

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
 Data File : BF117760.D
 Acq On : 12 Nov 2019 15:35
 Operator : JU
 Sample : K5789-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16B-SMSD

Manual Integrations
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 11/13/2019 6:48:26 PM

Quant Time: Nov 12 16:31:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 13:32:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	282861	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1086949	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	572196	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1053813	20.00	ng	0.00
76) Chrysene-d12	14.12	240	614955	20.00	ng	0.00
87) Perylene-d12	15.63	264	669758	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1812002	115.96	ng	0.00
7) Phenol-d6	6.55	99	2303629	119.56	ng	0.00
23) Nitrobenzene-d5	7.49	82	1441816	78.31	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	684336	122.26	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2682070	92.48	ng	0.00
79) Terphenyl-d14	13.06	244	2722487	91.14	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.78	88	260088	33.405 ng	99
3) Pyridine	3.53	79	672051	31.380 ng	99
4) n-Nitrosodimethylamine	3.48	42	336246	35.627 ng	96
6) Aniline	6.59	93	770868	28.507 ng	99
8) 2-Chlorophenol	6.71	128	698844	40.202 ng	99
9) Benzaldehyde	6.47	77	368174	27.463 ng	96
10) Phenol	6.56	94	891157	42.923 ng	95
11) bis(2-Chloroethyl)ether	6.66	93	642481	37.475 ng	95
12) 1,3-Dichlorobenzene	6.87	146	765186	37.974 ng	98
13) 1,4-Dichlorobenzene	6.95	146	778368	38.589 ng	98
14) 1,2-Dichlorobenzene	7.10	146	736035	39.631 ng	99
15) Benzyl Alcohol	7.06	79	608193	39.588 ng	100
16) 2,2'-oxybis(1-Chloropropan	7.20	45	947185	34.942 ng	99
17) 2-Methylphenol	7.17	107	580897	38.908 ng	98
18) Hexachloroethane	7.45	117	284868	38.207 ng	96
19) n-Nitroso-di-n-propylamine	7.34	70	457323	36.098 ng	97
20) 3+4-Methylphenols	7.32	107	702383	39.509 ng	94
22) Acetophenone	7.33	105	915159	36.838 ng	98
24) Nitrobenzene	7.50	77	731334	38.041 ng	100
25) Isophorone	7.75	82	1300761	36.940 ng	97
26) 2-Nitrophenol	7.83	139	380045	42.582 ng	95
27) 2,4-Dimethylphenol	7.86	122	646720	42.974 ng	99
28) bis(2-Chloroethoxy)methane	7.96	93	789807	34.941 ng	99
29) 2,4-Dichlorophenol	8.06	162	596024	38.442 ng	99
30) 1,2,4-Trichlorobenzene	8.15	180	668060	37.639 ng	99
31) Naphthalene	8.23	128	2002343	40.303 ng	99
32) Benzoic acid	7.96	122	454531	38.155 ng	99
33) 4-Chloroaniline	8.27	127	412682	17.876 ng	99
34) Hexachlorobutadiene	8.35	225	372017	36.601 ng	98
35) Caprolactam	8.64	113	189373m	36.851 ng	
36) 4-Chloro-3-methylphenol	8.76	107	610111	38.996 ng	98
37) 2-Methylnaphthalene	8.93	142	1365146	40.362 ng	100
38) 1-Methylnaphthalene	9.03	142	1286770	40.062 ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	607551	38.812 ng	98

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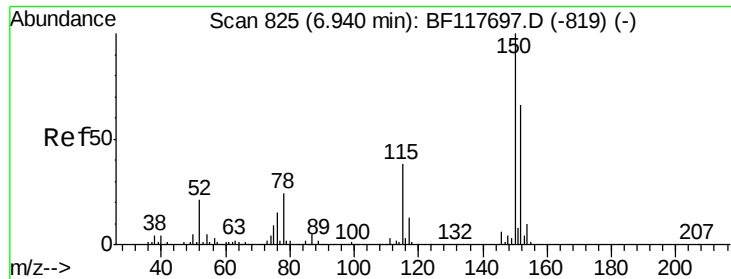
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.09	237	659046	78.040	nq	100
43) 2,4,6-Trichlorophenol	9.20	196	441615	38.735	nq	99
44) 2,4,5-Trichlorophenol	9.24	196	474119	41.027	nq	99
46) 1,1'-Biphenyl	9.39	154	1627385	40.609	nq	99
47) 2-Chloronaphthalene	9.42	162	1278570	38.446	nq	99
48) 2-Nitroaniline	9.51	65	381242	36.582	nq	98
49) Acenaphthylene	9.84	152	2005900	41.417	nq	99
50) Dimethylphthalate	9.69	163	1703534	44.039	nq	100
51) 2,6-Dinitrotoluene	9.75	165	338396	39.067	nq #	85
52) Acenaphthene	10.01	154	1305121	41.762	nq	99
53) 3-Nitroaniline	9.92	138	220619	21.112	nq	100
54) 2,4-Dinitrophenol	10.03	184	279489	94.118	nq	98
55) Dibenzofuran	10.18	168	1748491	39.983	nq	98
56) 4-Nitrophenol	10.08	139	601188	76.497	nq	97
57) 2,4-Dinitrotoluene	10.16	165	441576	39.741	nq	98
58) Fluorene	10.53	166	1286669	39.921	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.30	232	383059	39.875	nq	99
60) Diethylphthalate	10.40	149	1437561	37.789	nq	99
61) 4-Chlorophenyl-phenylether	10.52	204	653156	38.930	nq	98
62) 4-Nitroaniline	10.54	138	349725	34.002	nq	97
63) Azobenzene	10.68	77	1359901	37.742	nq	99
65) 4,6-Dinitro-2-methylphenol	10.57	198	198986	47.288	nq	95
66) n-Nitrosodiphenylamine	10.63	169	1207712	38.803	nq	100
67) 4-Bromophenyl-phenylether	11.01	248	425094	36.936	nq	98
68) Hexachlorobenzene	11.07	284	484680	36.455	nq #	90
69) Atrazine	11.16	200	403527	39.344	nq	99
70) Pentachlorophenol	11.27	266	532618	71.663	nq	100
71) Phenanthrene	11.49	178	1991726	39.431	nq	99
72) Anthracene	11.55	178	2033307	40.461	nq	99
73) Carbazole	11.70	167	1781102	38.771	nq	99
74) Di-n-butylphthalate	12.03	149	2123550	38.015	nq	99
75) Fluoranthene	12.69	202	1933312	37.484	nq	99
77) Benzidine	12.80	184	1157322	54.131	nq	99
78) Pyrene	12.92	202	1943493	43.293	nq	99
80) Butylbenzylphthalate	13.53	149	848282	40.910	nq	99
81) Benzo(a)anthracene	14.11	228	1512014	39.500	nq	99
82) 3,3'-Dichlorobenzidine	14.07	252	405799	28.385	nq	98
83) Chrysene	14.14	228	1469760	38.881	nq	99
84) Bis(2-ethylhexyl)phthalate	14.09	149	1085389	40.579	nq #	98
85) Di-n-octyl phthalate	14.71	149	1669562	39.667	nq	99
86) Indeno(1,2,3-cd)pyrene	17.16	276	1869315	53.130	nq	100
88) Benzo(b)fluoranthene	15.18	252	1440416	34.147	nq	100
89) Benzo(k)fluoranthene	15.21	252	1435595	38.158	nq	99
90) Benzo(a)pyrene	15.56	252	1363351	37.284	nq	99
91) Dibenzo(a,h)anthracene	17.19	278	1549149	47.237	nq	97
92) Benzo(g,h,i)perylene	17.63	276	1598438	50.292	nq	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

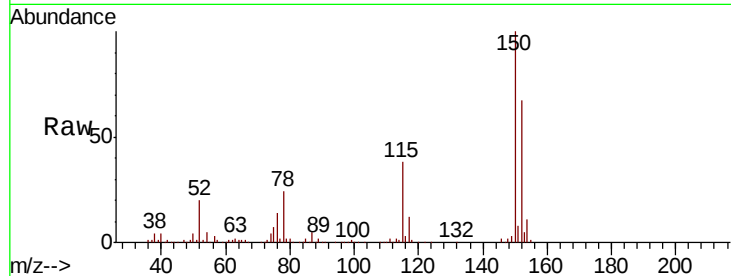
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	126.6	190.0
115	56.6	47.6	71.4

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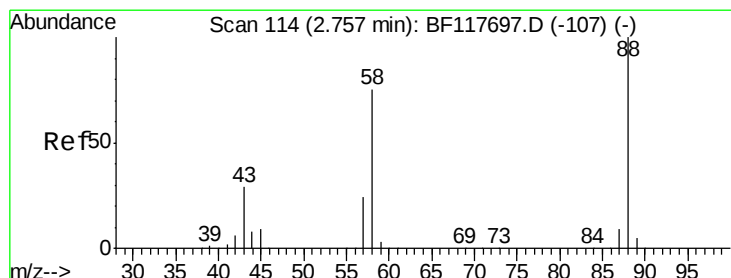
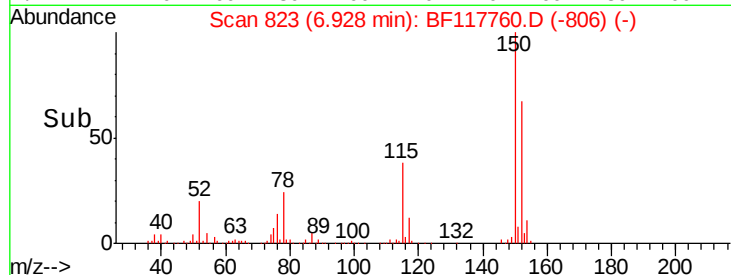
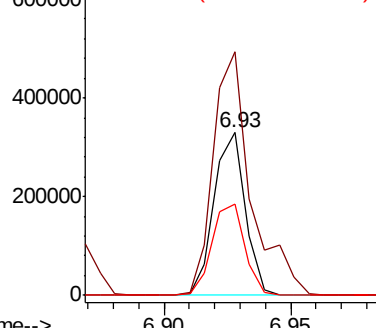


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

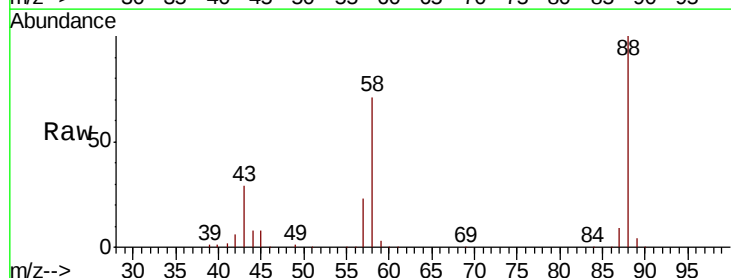
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.405 ng
RT: 2.78 min Scan# 117
Delta R.T. 0.05 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.8	59.2	88.8
43	29.2	23.0	34.4

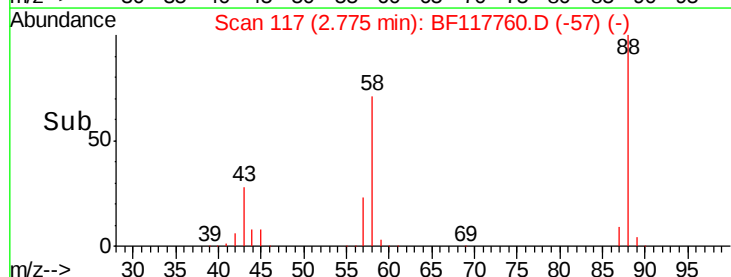
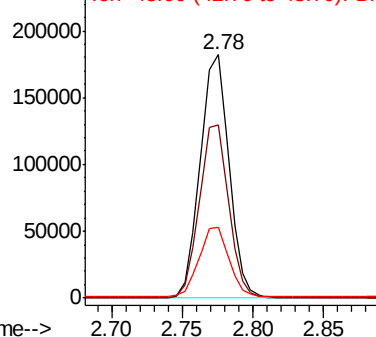


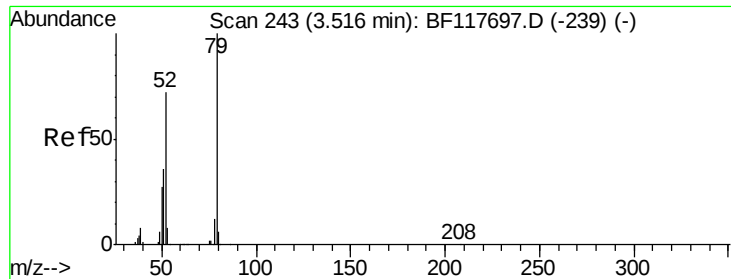
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 31.380 ng

RT: 3.53 min Scan# 246

Delta R.T. 0.04 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

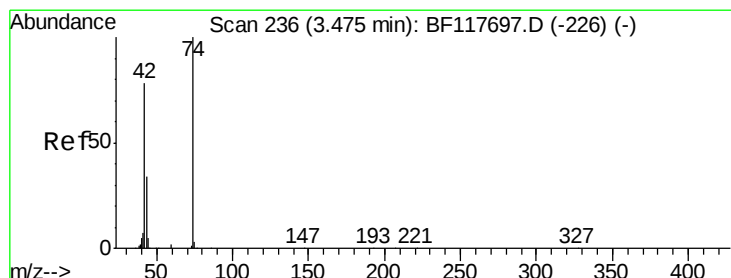
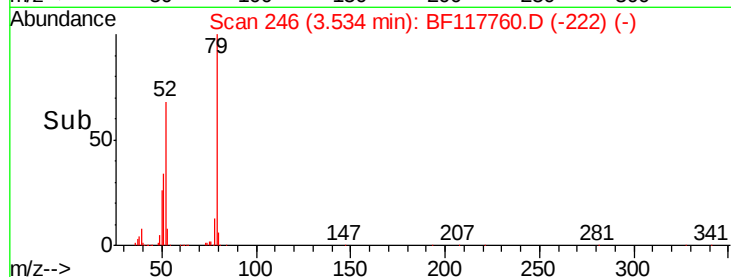
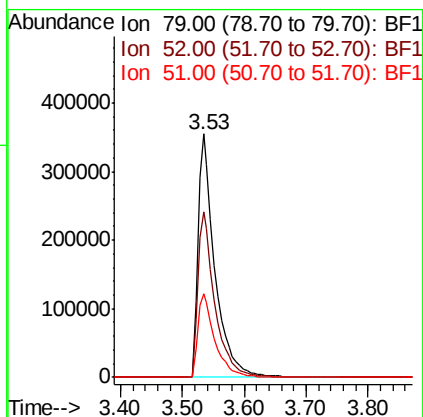
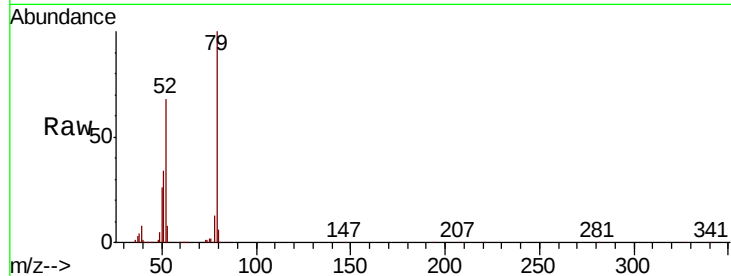
ClientSampleId :

TP-16B-SMSD

Tot Ion:	79	Resp:	672051
Ion Ratio	Lower	Upper	
79	100		
52	68.1	55.6	83.4
51	34.1	27.7	41.5

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#4

n-Nitrosodimethylamine

Concen: 35.627 ng

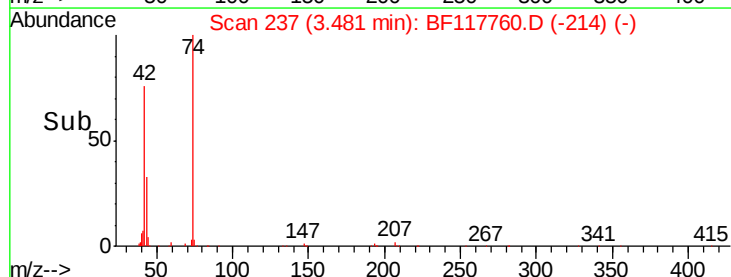
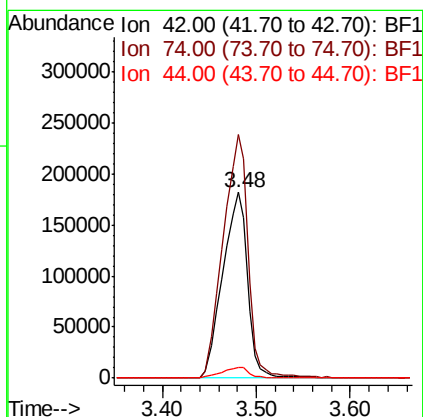
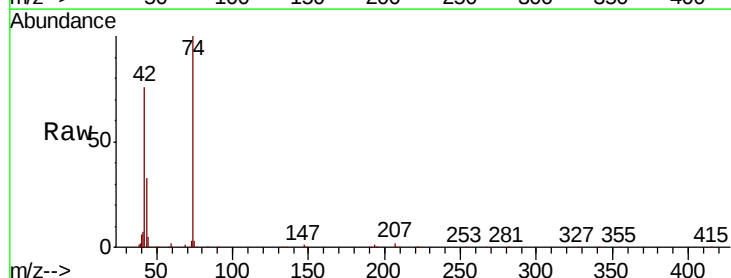
RT: 3.48 min Scan# 237

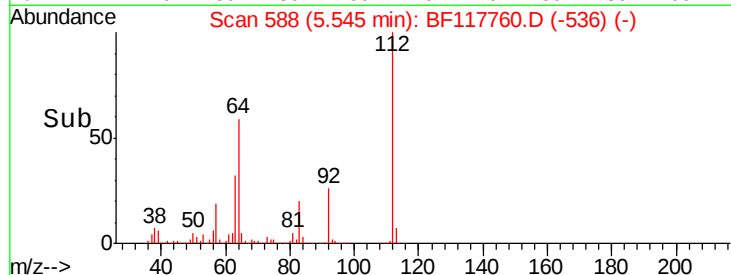
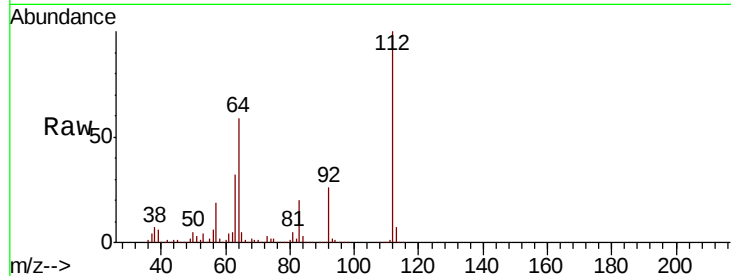
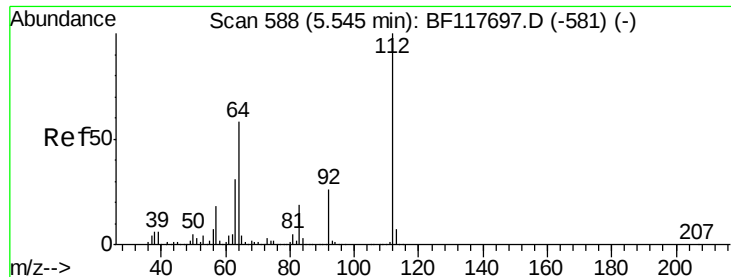
Delta R.T. 0.04 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	42	Resp:	336246
Ion Ratio	Lower	Upper	
42	100		
74	131.1	108.5	162.7
44	6.0	5.0	7.6





#5

2-Fluorophenol

Concen: 115.958 ng

RT: 5.55 min Scan# 588

Delta R.T. 0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tot Ion:	112	Resp:	1812002
Ion	Ratio	Lower	Upper
112	100		
64	58.5	43.5	65.3
63	31.8	23.5	35.3

Instrument :

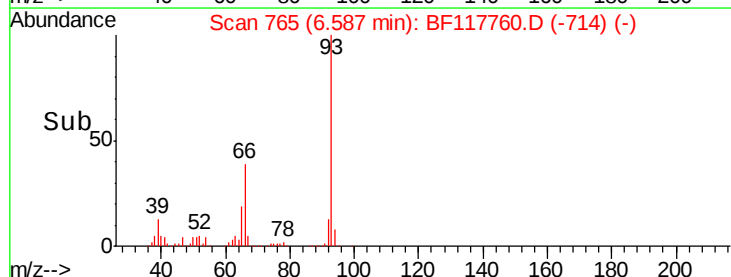
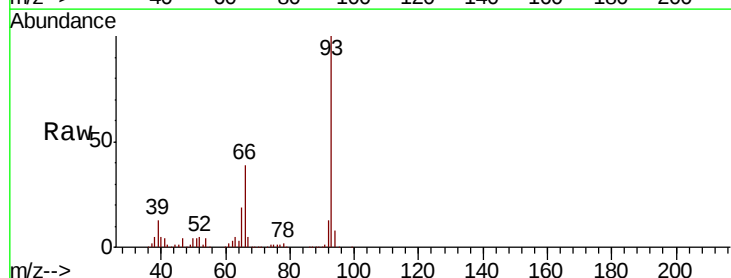
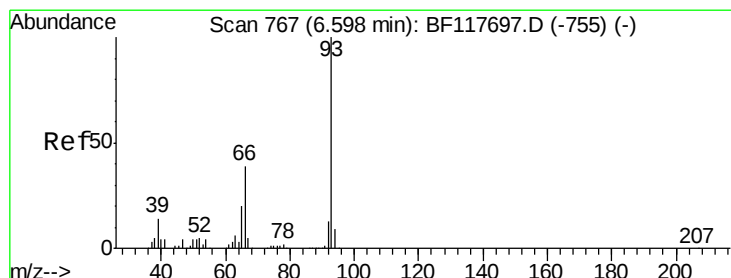
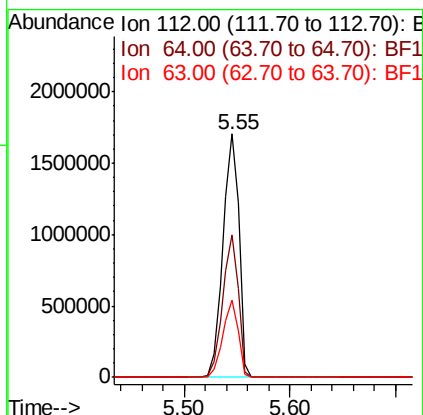
BNA_F

ClientSampleId :

TP-16B-SMSD

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#6

Aniline

Concen: 28.507 ng

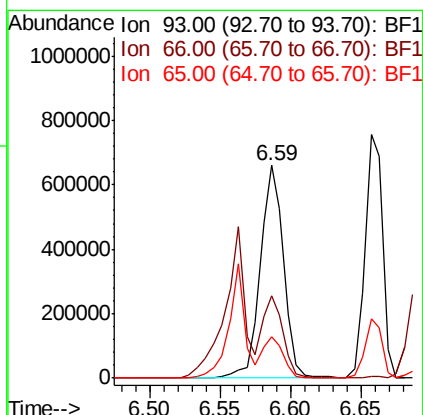
RT: 6.59 min Scan# 765

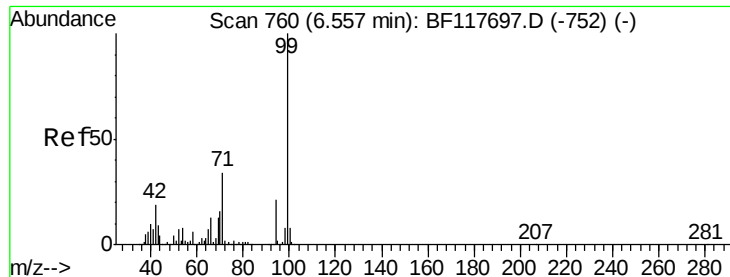
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	93	Resp:	770868
Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.8	47.6
65	19.4	16.2	24.2





#7

Phenol-d6

Concen: 119.559 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion: 99 Resp: 2303629

Ion Ratio Lower Upper

99 100

42 19.4 15.3 22.9

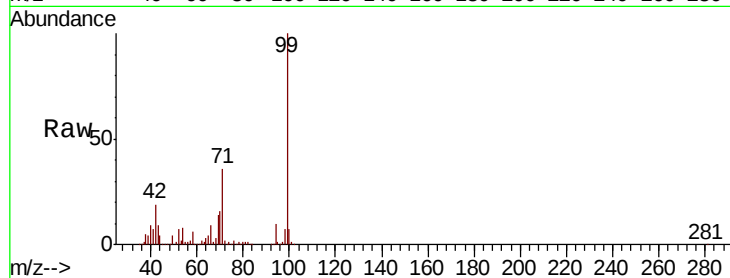
71 36.3 28.2 42.2

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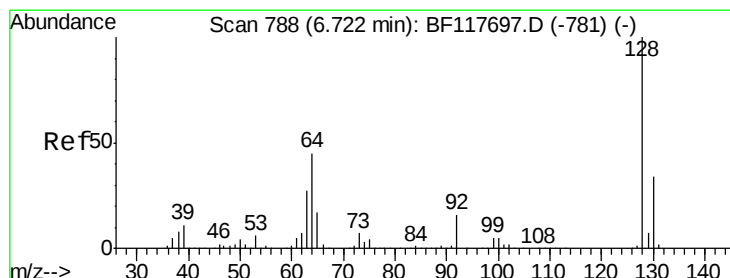
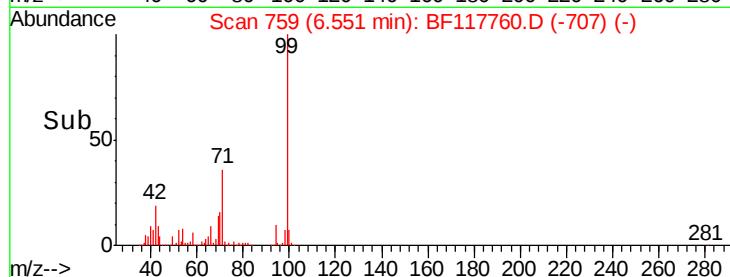
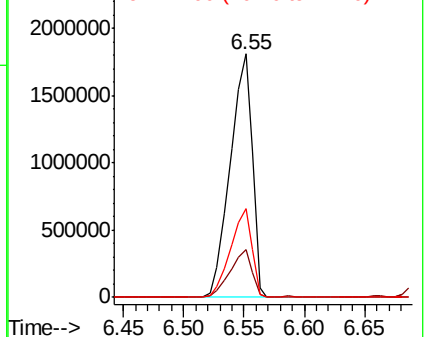
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.202 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

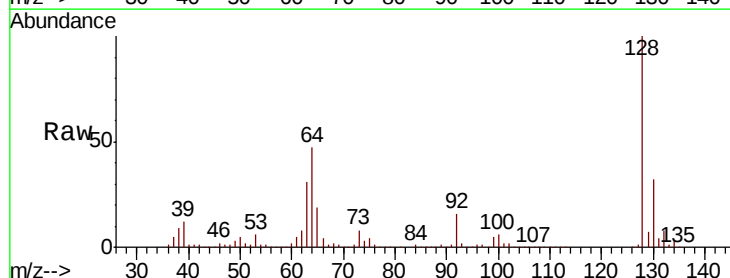
Tgt Ion: 128 Resp: 698844

Ion Ratio Lower Upper

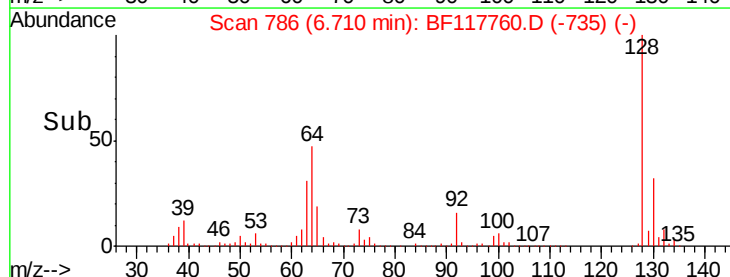
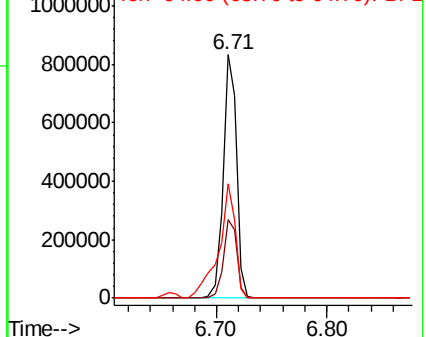
128 100

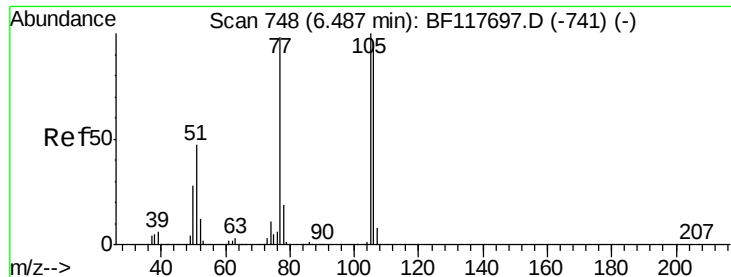
130 32.4 12.4 52.4

64 46.8 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.463 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

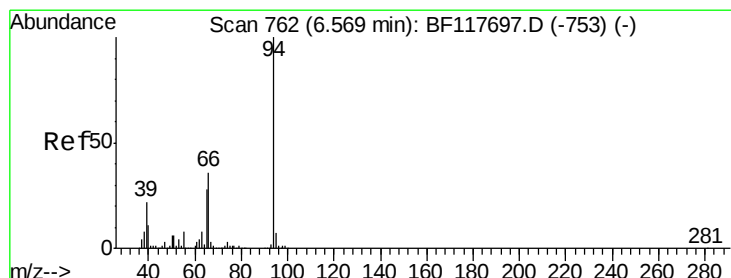
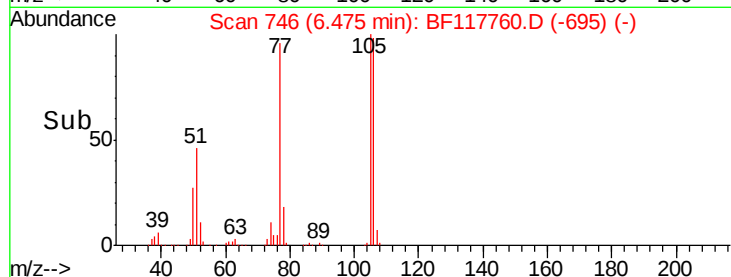
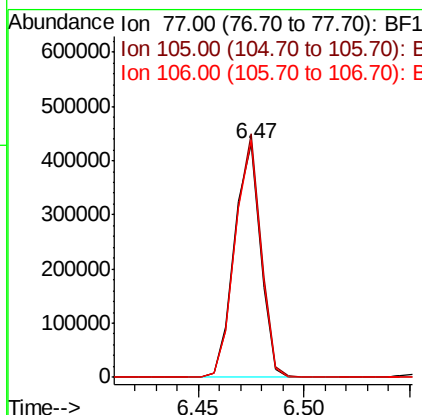
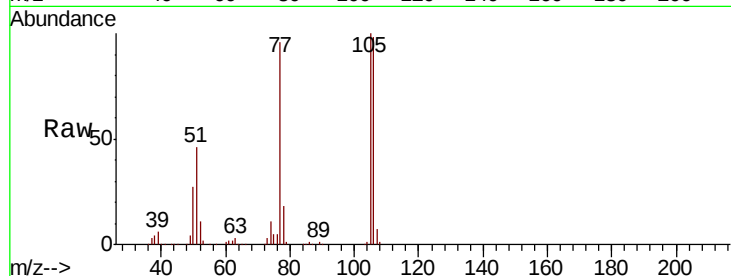
ClientSampleId :

TP-16B-SMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	104.1	81.2	121.2		
106	101.6	76.4	116.4		

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#10

Phenol

Concen: 42.923 ng

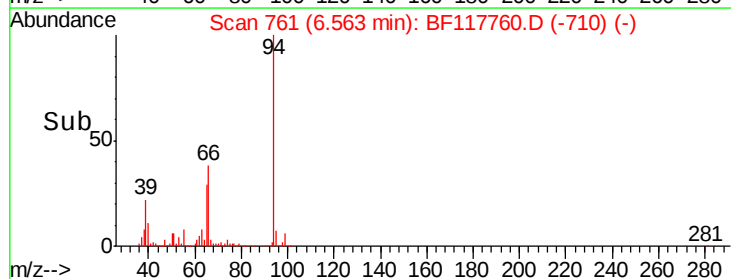
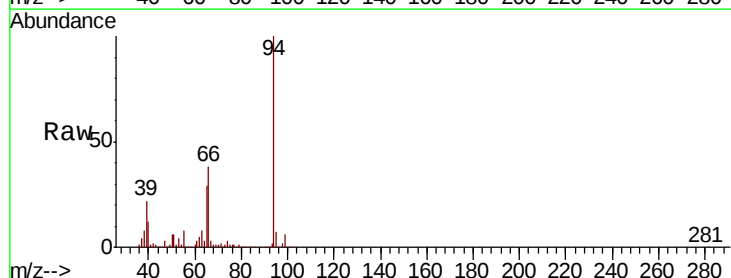
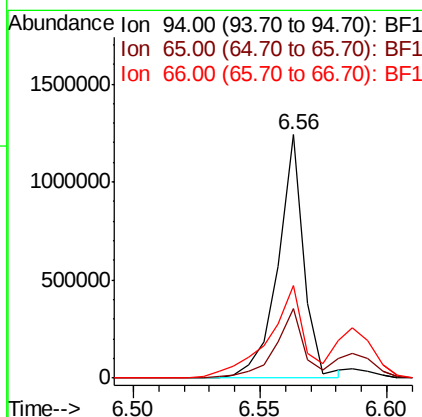
RT: 6.56 min Scan# 761

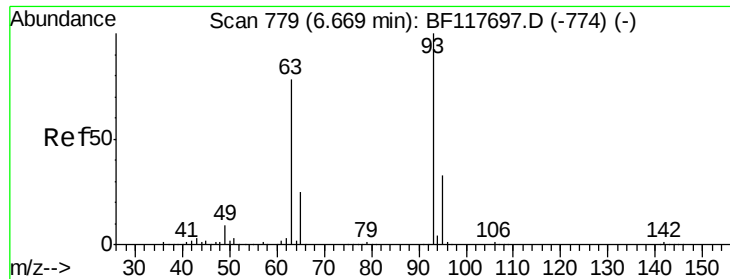
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	28.5	6.4	46.4		
66	37.8	14.9	54.9		





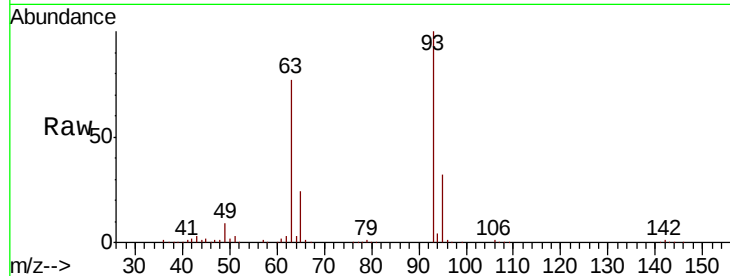
#11
bis(2-Chloroethyl)ether
Concen: 37.475 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

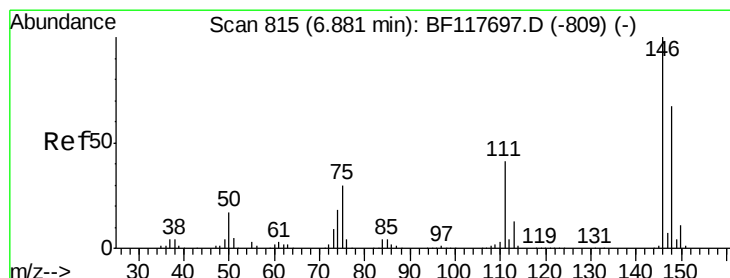
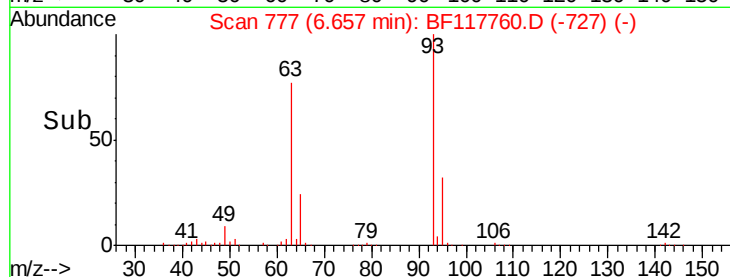
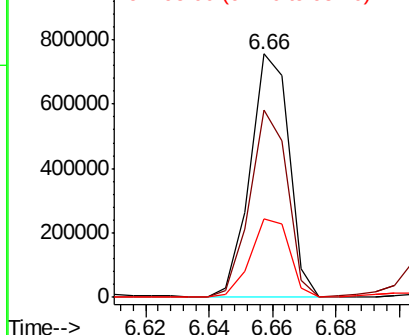
Tot Ion:	93	Resp:	642481
Ion	Ratio	Lower	Upper
93	100		
63	76.9	51.6	91.6
95	32.4	13.1	53.1

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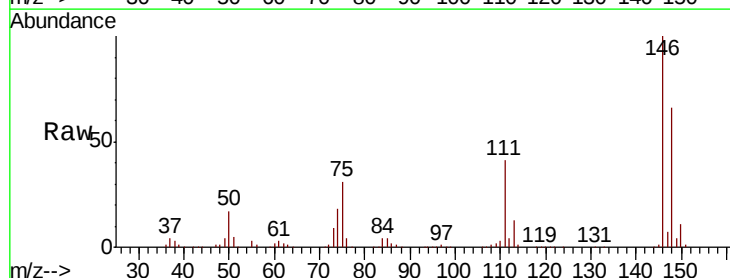


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

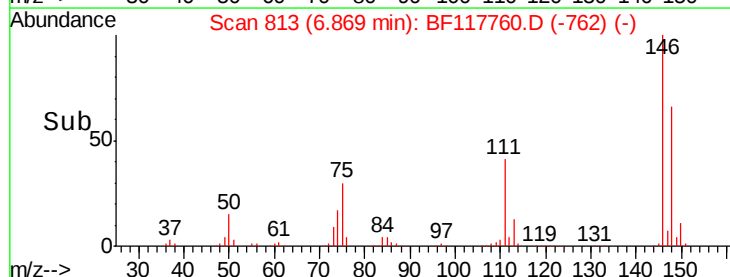
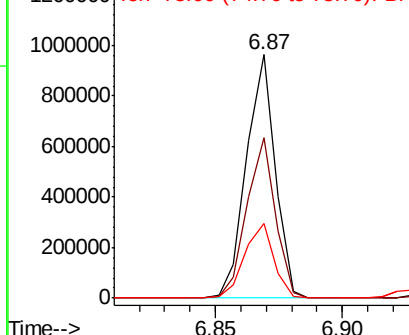


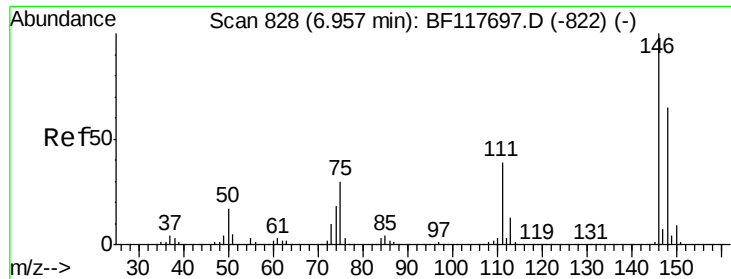
#12
1,3-Dichlorobenzene
Concen: 37.974 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion:	146	Resp:	765186
Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.3	76.9
75	30.5	24.8	37.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





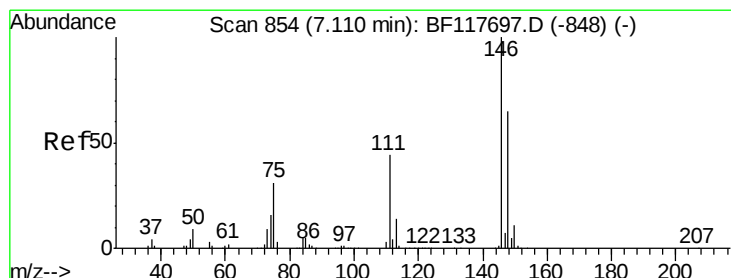
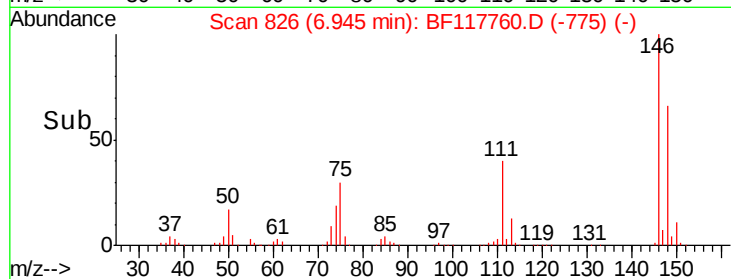
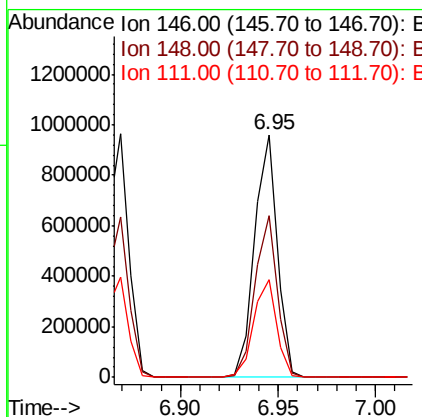
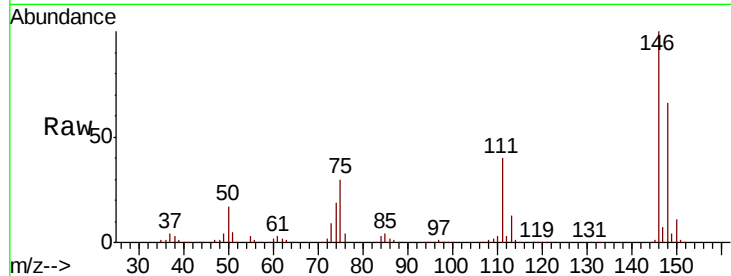
#13
 1,4-Dichlorobenzene
 Concen: 38.589 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF117760.D
 Acq: 12 Nov 2019 15:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.8	77.6
111	40.4	33.3	49.9

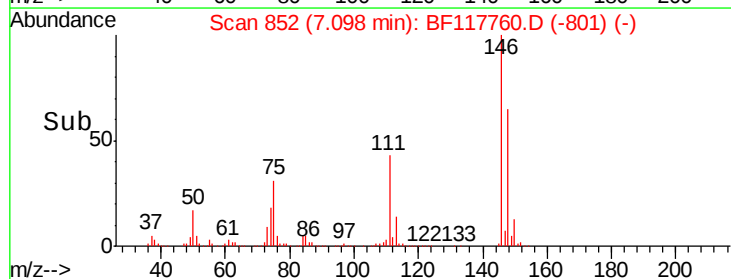
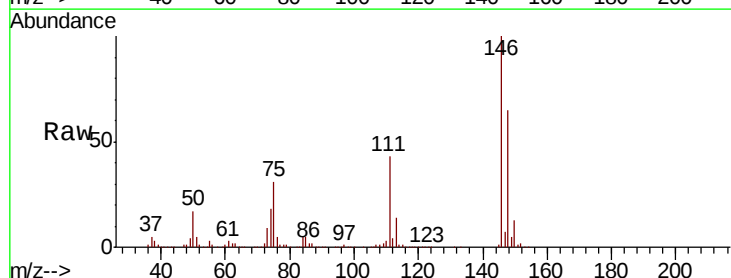
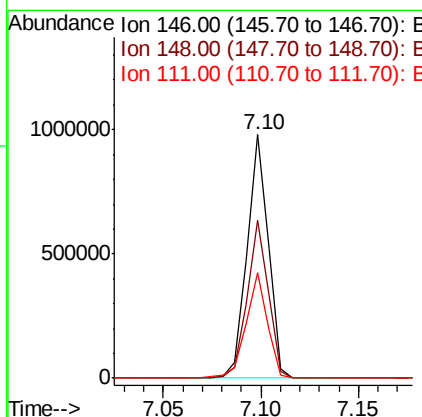
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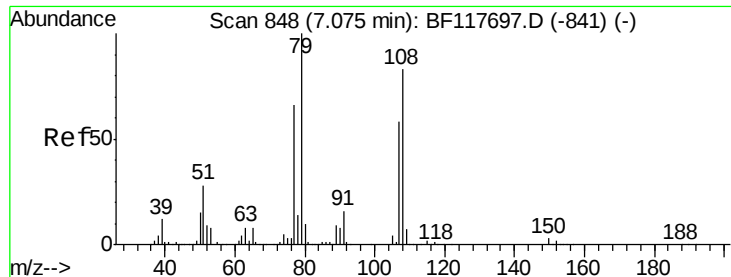
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#14
 1,2-Dichlorobenzene
 Concen: 39.631 ng
 RT: 7.10 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF117760.D
 Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	43.2	35.2	52.8





#15

Benzyl Alcohol

Concen: 39.588 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

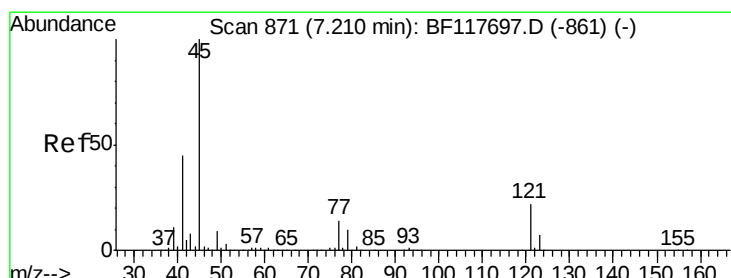
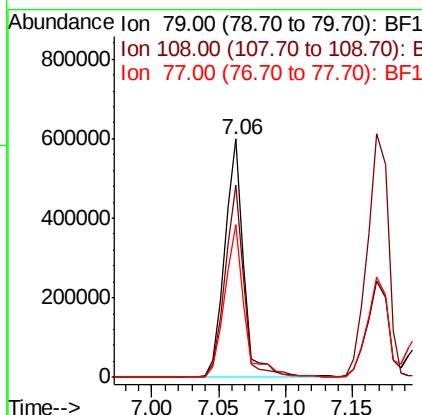
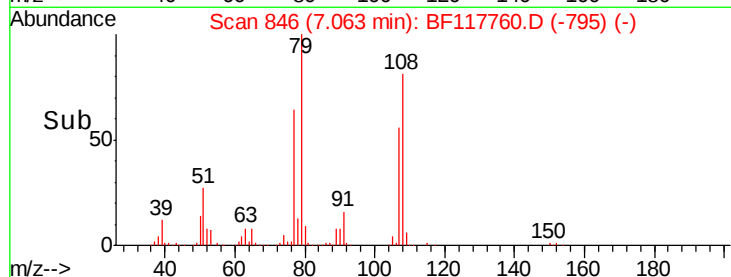
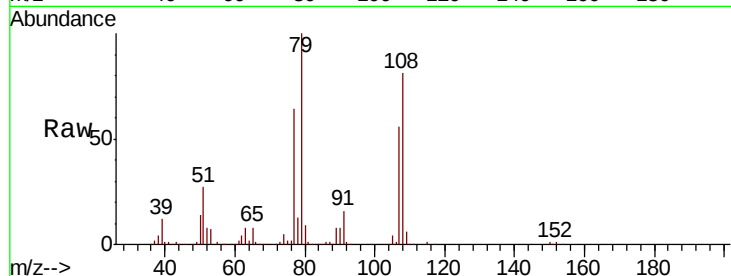
ClientSampleId :

TP-16B-SMSD

Tot Ion:	79	Resp:	608193
Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.1	96.1
77	64.2	51.6	77.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 34.942 ng

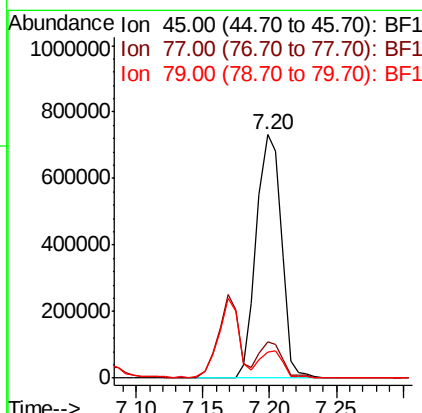
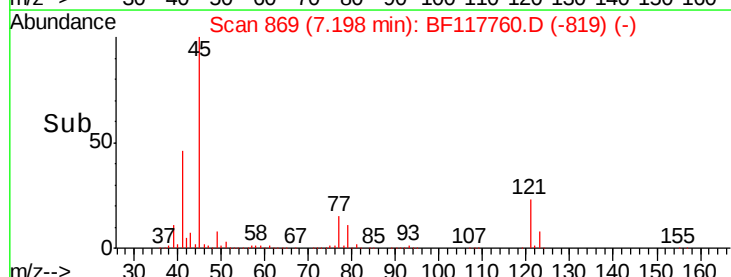
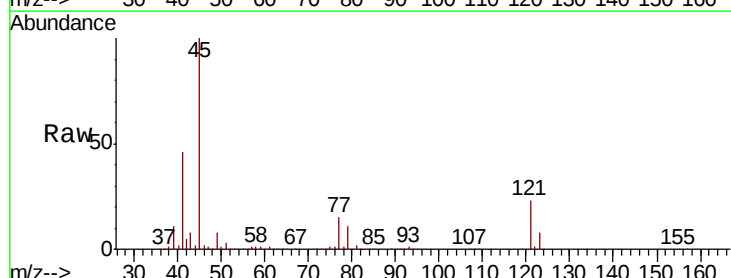
RT: 7.20 min Scan# 869

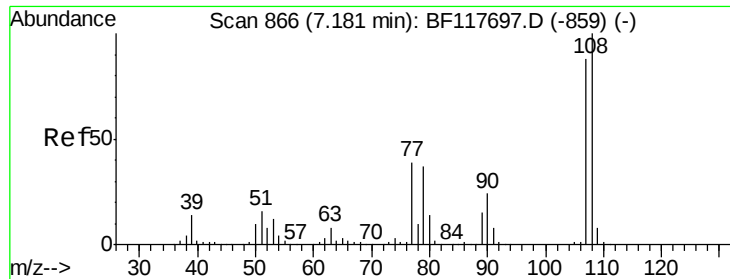
Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	45	Resp:	947185
Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.6
79	10.7	0.0	31.3





#17

2-Methylphenol

Concen: 38.908 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

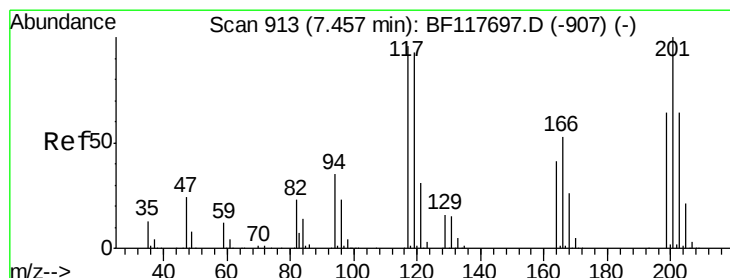
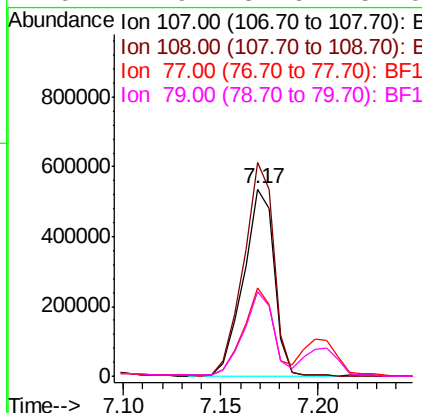
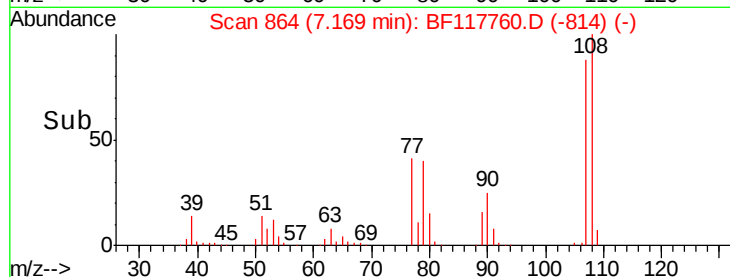
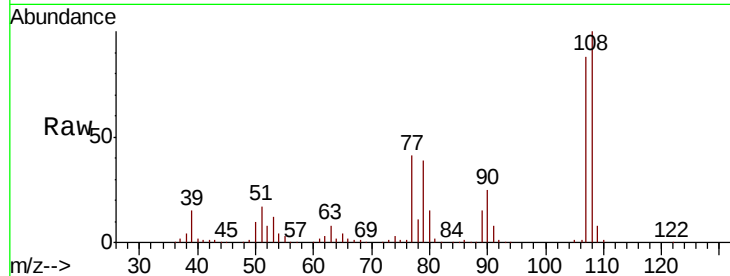
ClientSampleId :

TP-16B-SMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.9	90.7	136.1	
77	47.0	35.3	52.9	
79	44.9	34.6	52.0	

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#18

Hexachloroethane

Concen: 38.207 ng

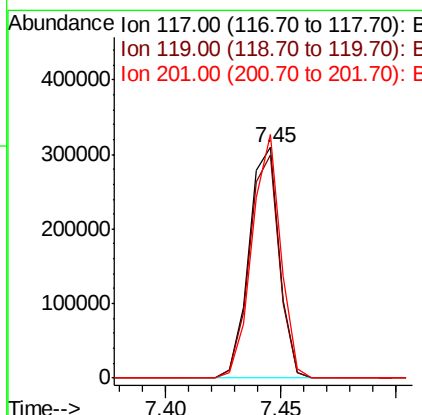
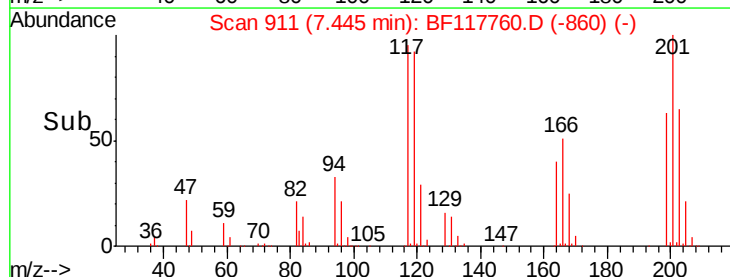
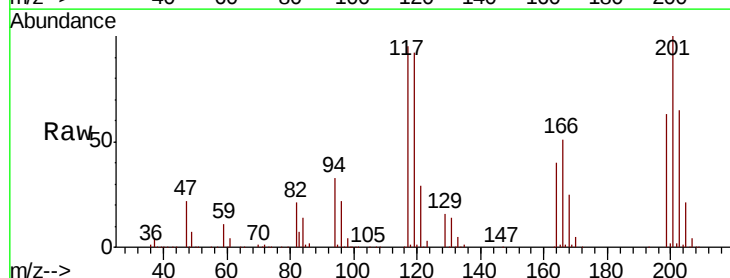
RT: 7.45 min Scan# 911

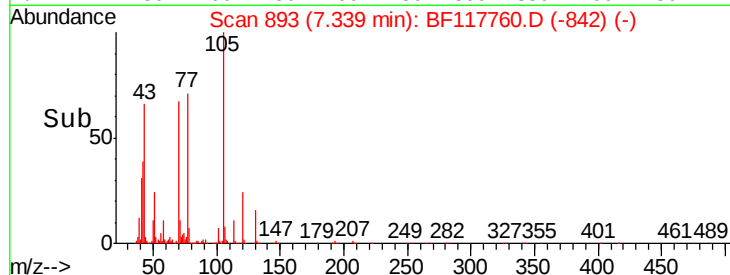
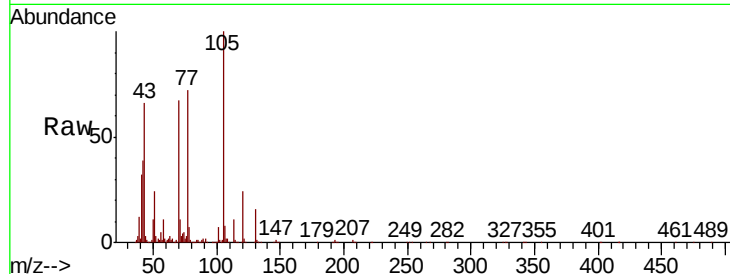
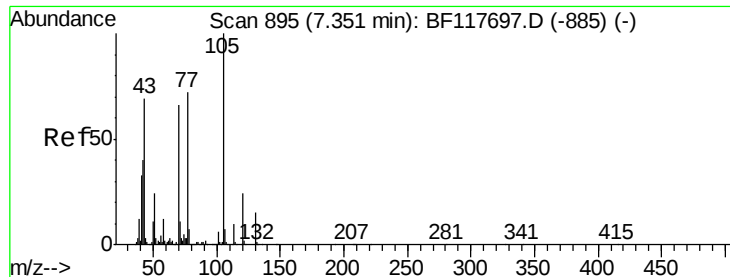
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.0	77.4	116.0	
201	105.6	78.4	117.6	





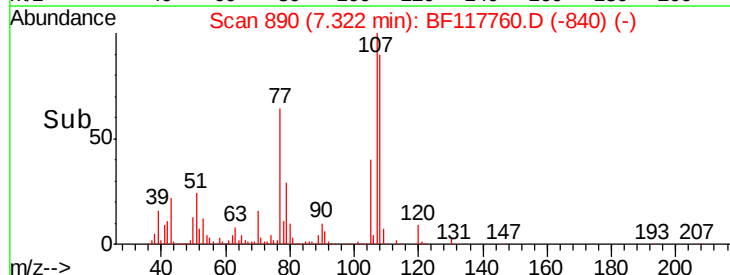
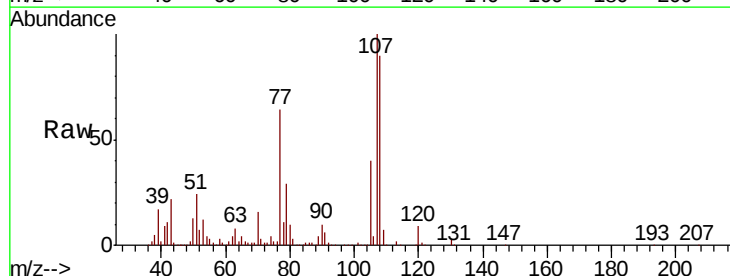
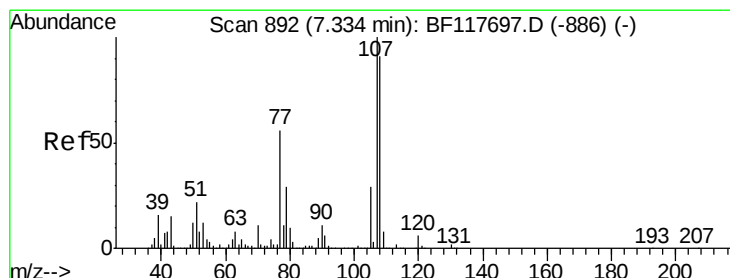
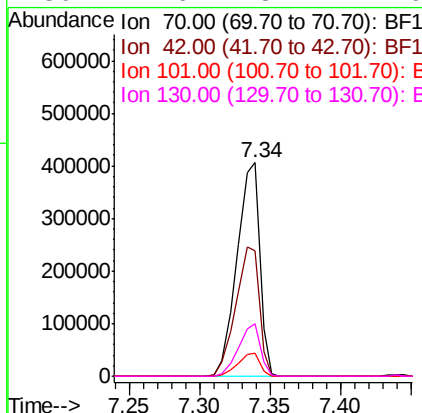
#19
n-Nitroso-di-n-propylamine
Concen: 36.098 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	70	Resp	457323
Ion Ratio	Lower	Upper	
70	100		
42	58.8	48.7	73.1
101	10.6	8.4	12.6
130	24.6	18.4	27.6

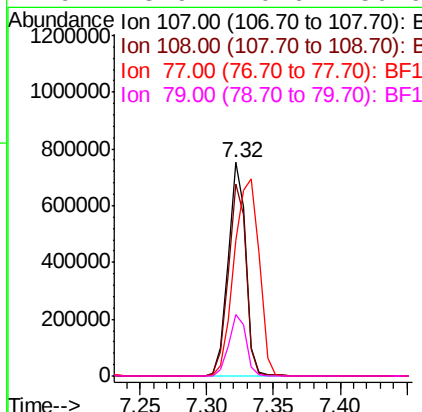
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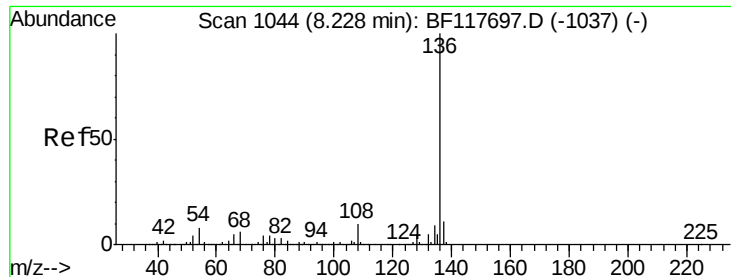
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#20
3+4-Methylphenols
Concen: 39.509 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	107	Resp	702383
Ion Ratio	Lower	Upper	
107	100		
108	89.9	72.4	112.4
77	63.8	52.8	92.8
79	28.9	10.6	50.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:136 Resp: 1086949

Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

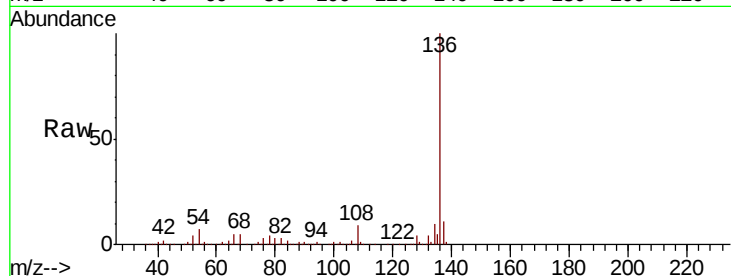
54 7.2 6.1 9.1

68 5.3 4.6 7.0

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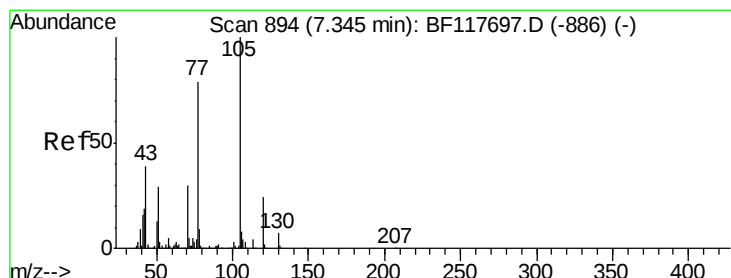
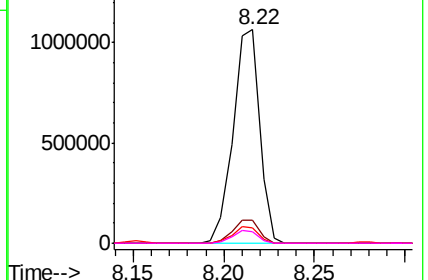
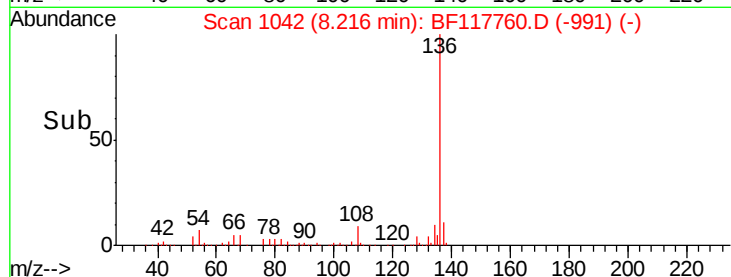


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 36.838 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:105 Resp: 915159

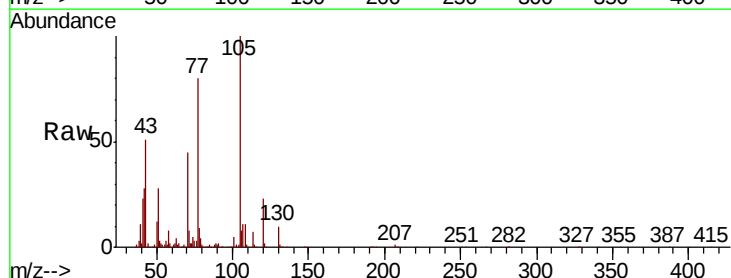
Ion Ratio Lower Upper

105 100

71 7.5 6.1 9.1

51 28.0 20.6 31.0

120 22.9 18.8 28.2

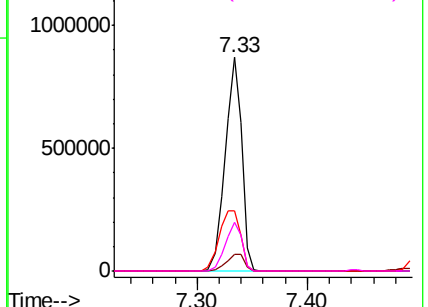
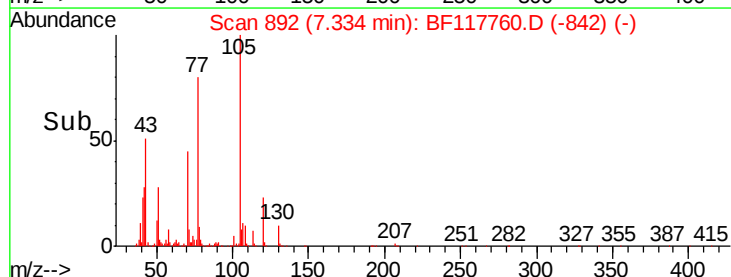


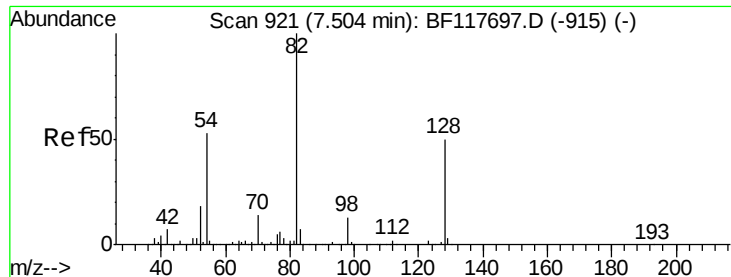
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





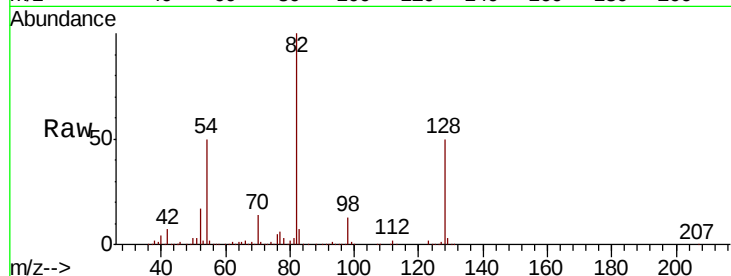
#23
Nitrobenzene-d5
Concen: 78.314 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.1	38.7	58.1
54	50.3	41.4	62.2

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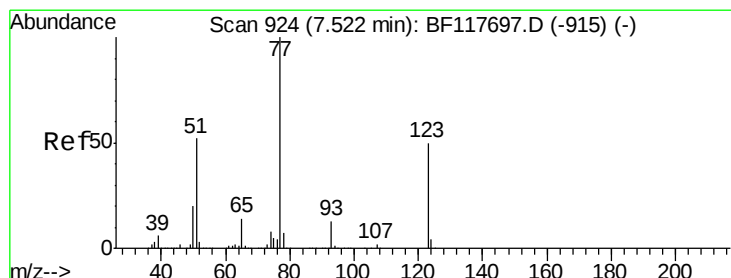
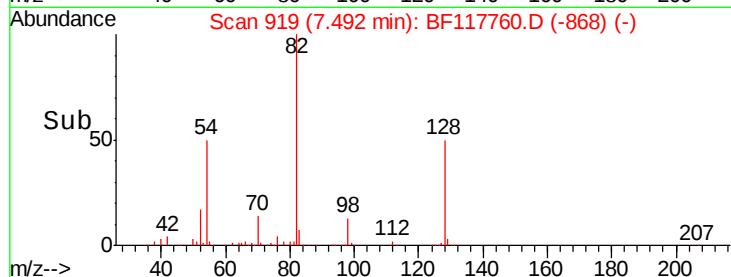
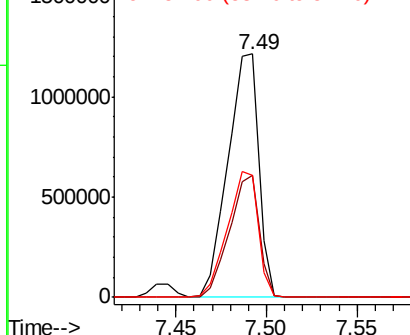


Abundance

Ion 82.00 (81.70 to 82.70): BF1

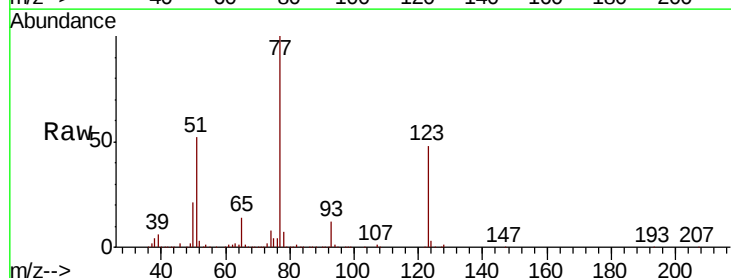
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 38.041 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.8	38.5	57.7
65	13.6	10.8	16.2

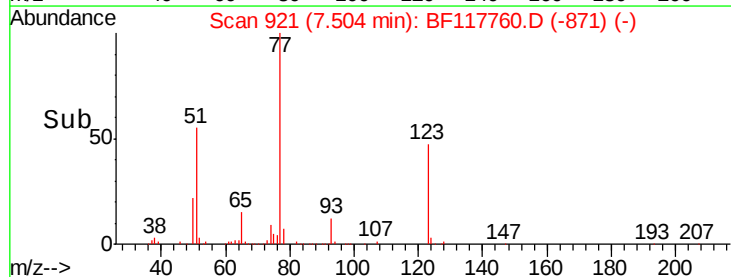
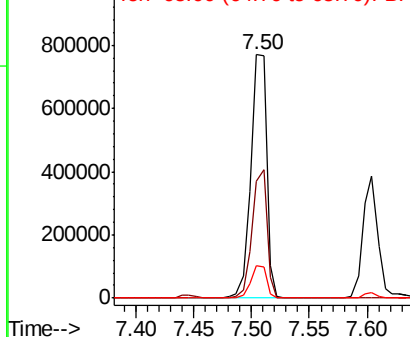


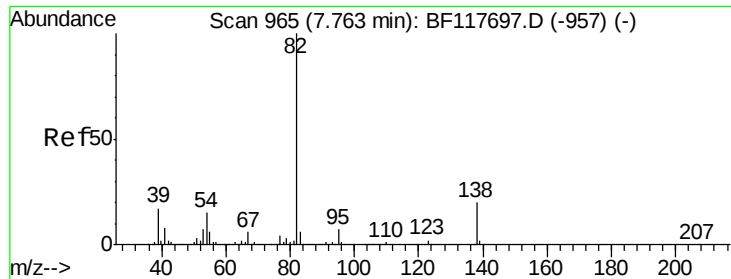
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 36.940 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

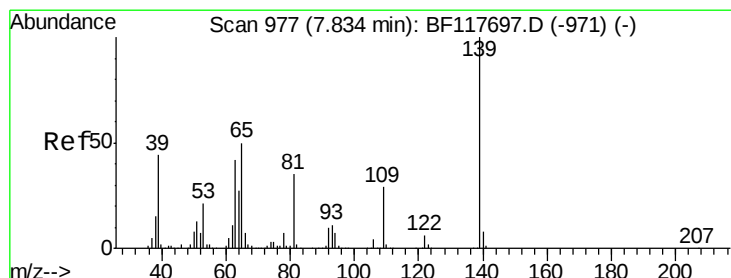
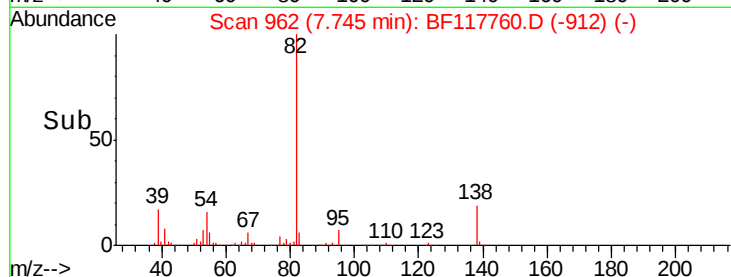
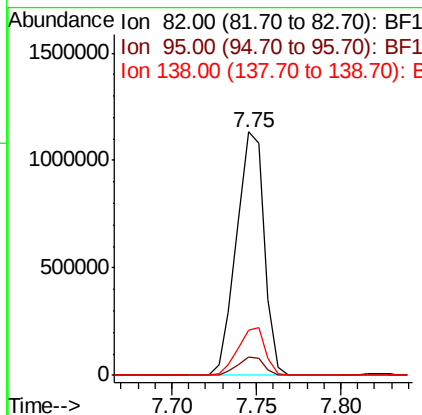
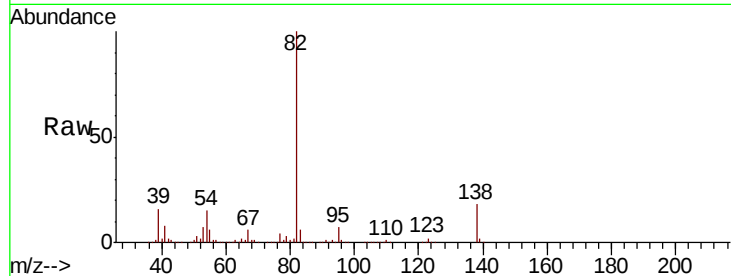
ClientSampleId :

TP-16B-SMSD

Tot Ion:	82	Resp:	1300761
Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.0	9.0
138	18.5	16.0	24.0

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#26

2-Nitrophenol

Concen: 42.582 ng

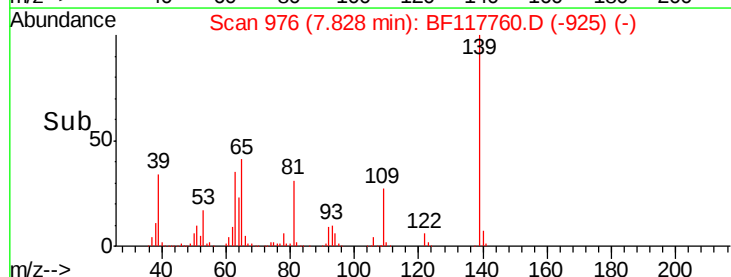
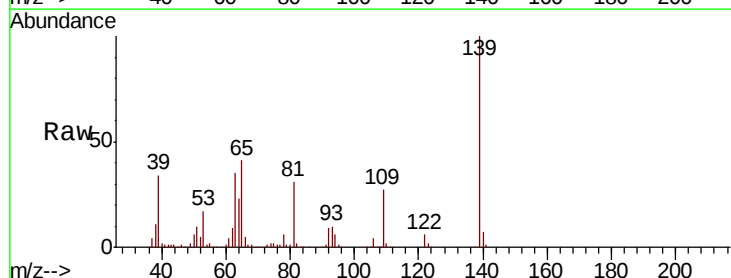
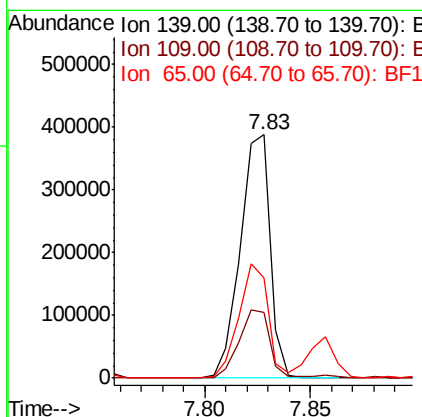
RT: 7.83 min Scan# 976

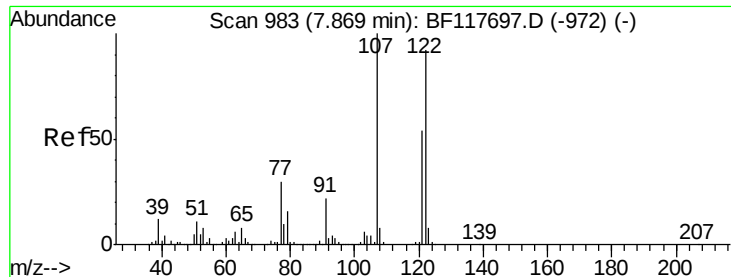
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	139	Resp:	380045
Ion	Ratio	Lower	Upper
139	100		
109	26.9	22.3	33.5
65	41.3	37.0	55.6





#27

2,4-Dimethylphenol

Concen: 42.974 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

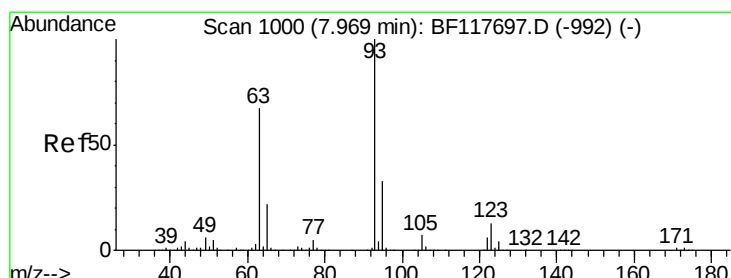
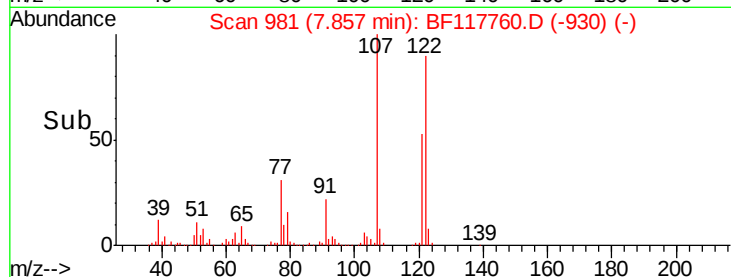
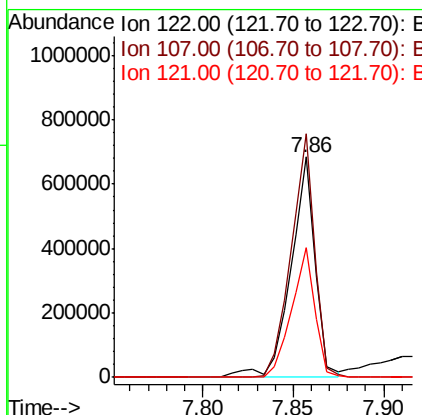
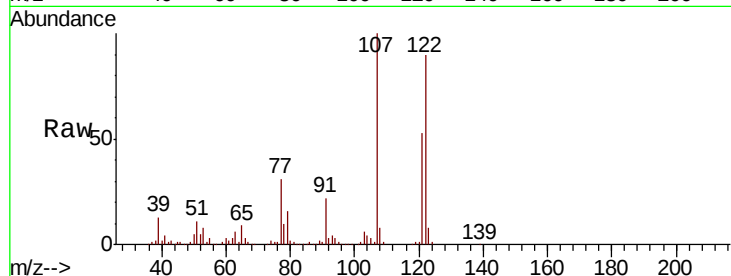
ClientSampleId :

TP-16B-SMSD

Tot Ion:	122	Resp:	646720
Ion Ratio	Lower	Upper	
122	100		
107	110.5	89.8	134.6
121	58.6	47.3	70.9

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#28

bis(2-Chloroethoxy)methane

Concen: 34.941 ng

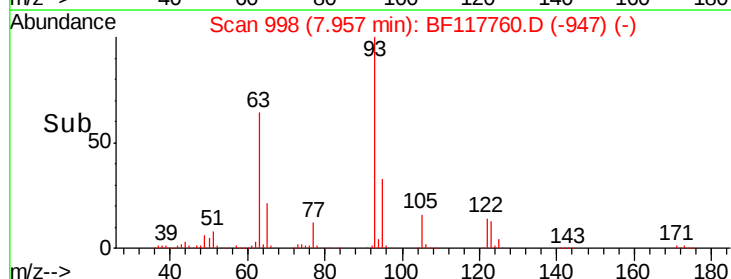
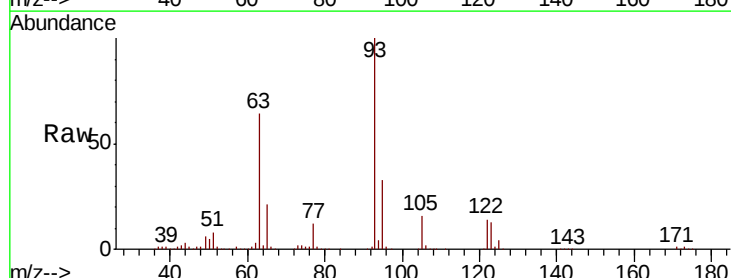
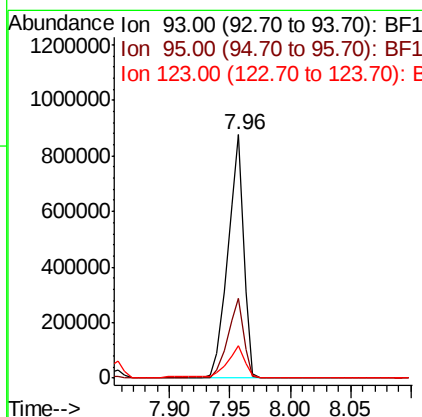
RT: 7.96 min Scan# 998

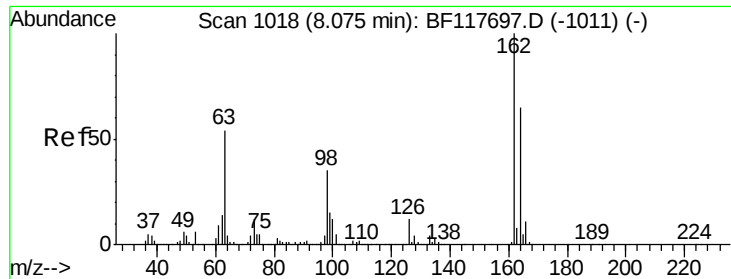
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	93	Resp:	789807
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.6	39.8
123	13.4	10.5	15.7





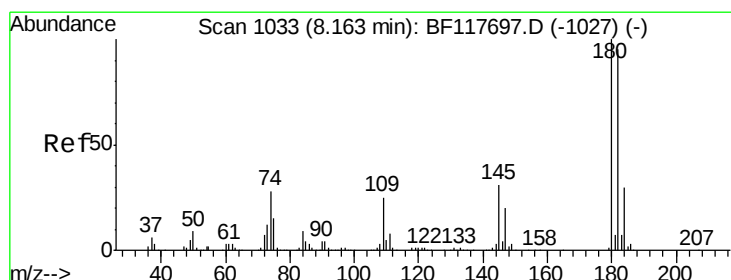
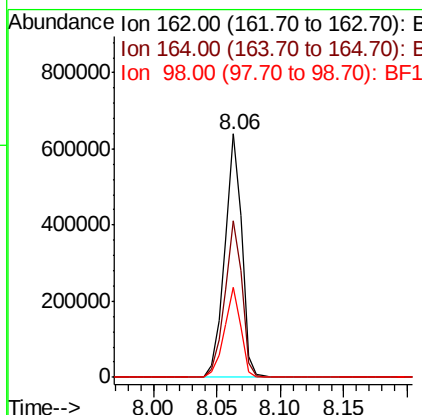
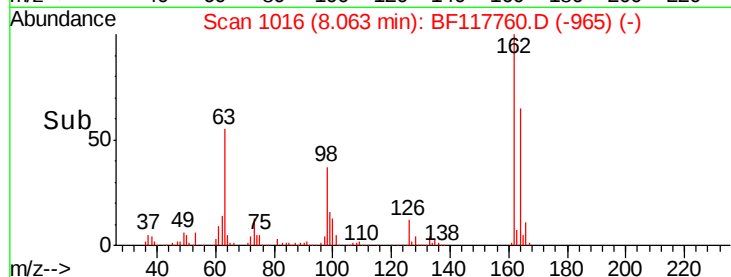
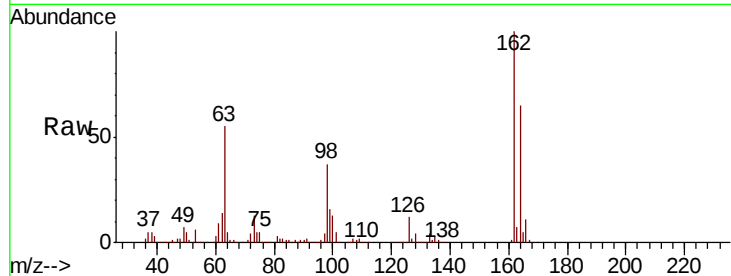
#29
2,4-Dichlorophenol
Concen: 38.442 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	596024		
164	64.6	43.7	83.7	
98	36.9	17.1	57.1	

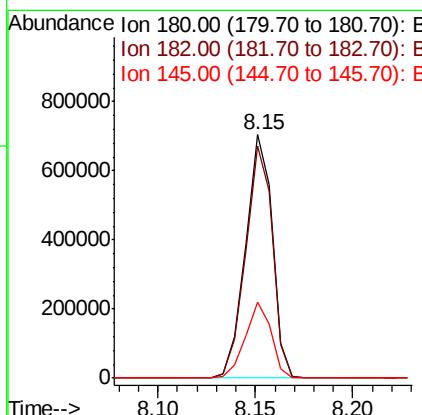
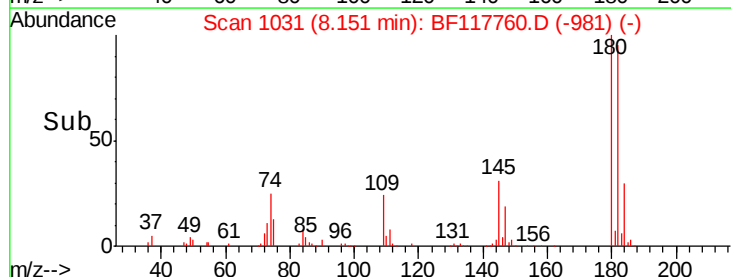
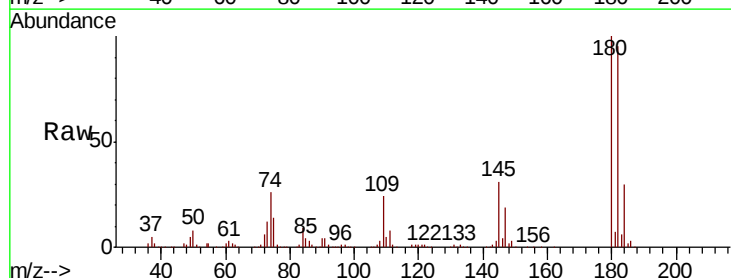
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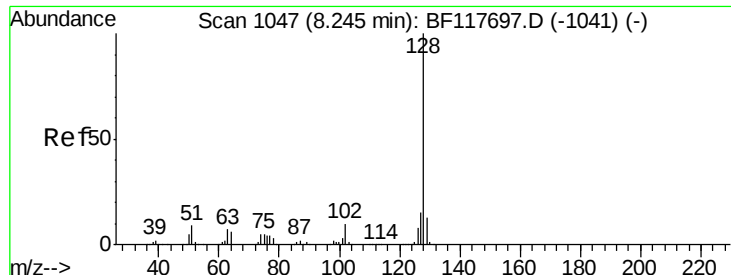
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#30
1,2,4-Trichlorobenzene
Concen: 37.639 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	668060		
182	95.1	75.6	113.4	
145	31.1	23.8	35.8	





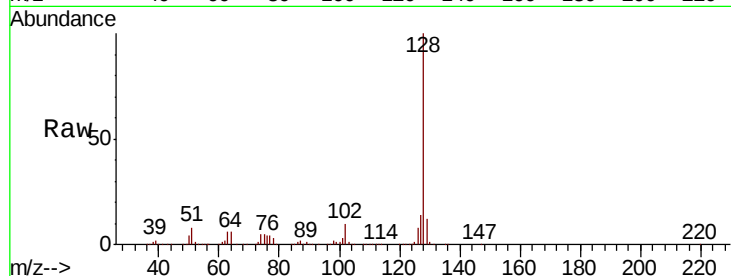
#31
Naphthalene
Concen: 40.303 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

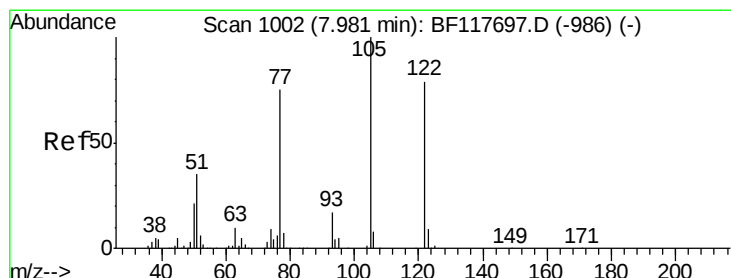
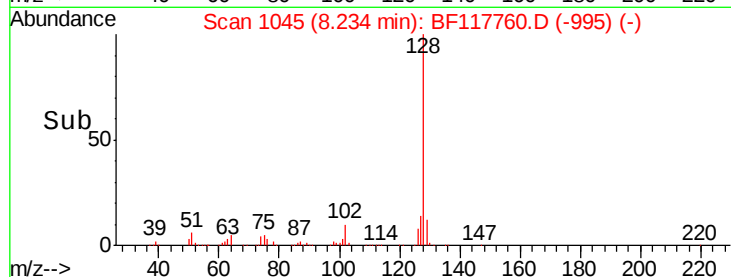
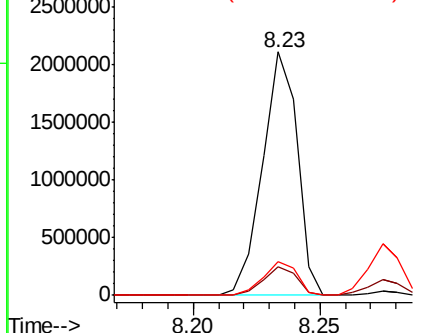
Tot Ion:128 Resp: 2002343
Ion Ratio Lower Upper
128 100
129 11.7 9.6 14.4
127 13.9 11.4 17.2

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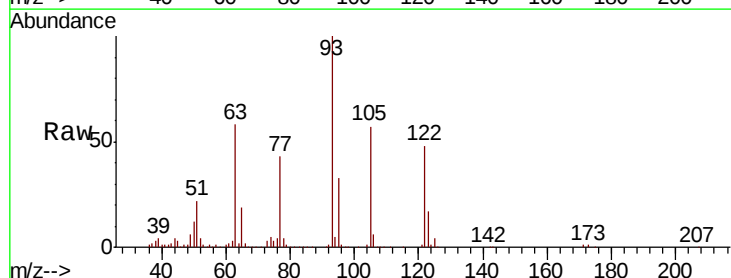


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

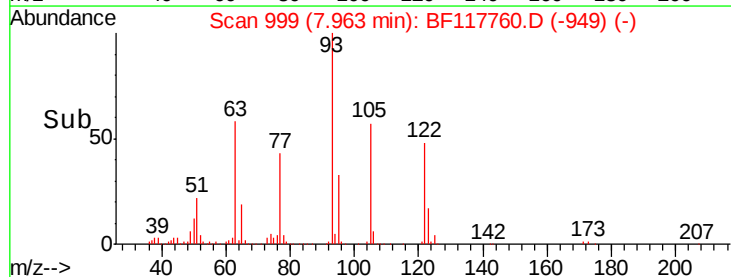
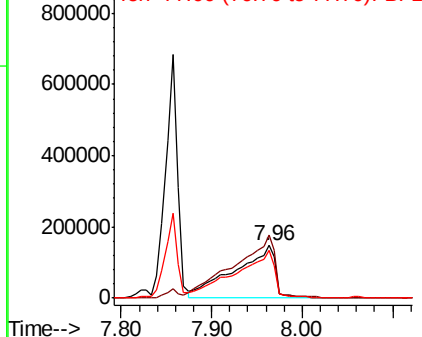


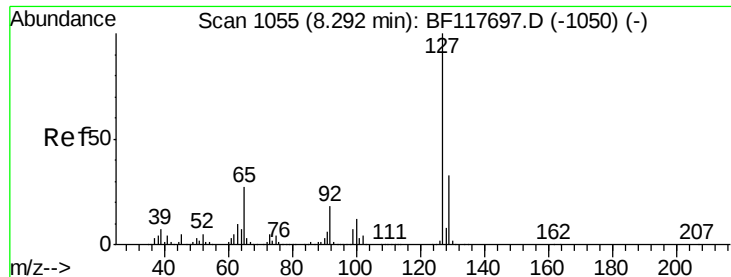
#32
Benzoic acid
Concen: 38.155 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion:122 Resp: 454531
Ion Ratio Lower Upper
122 100
105 119.5 99.4 139.4
77 91.2 69.4 109.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





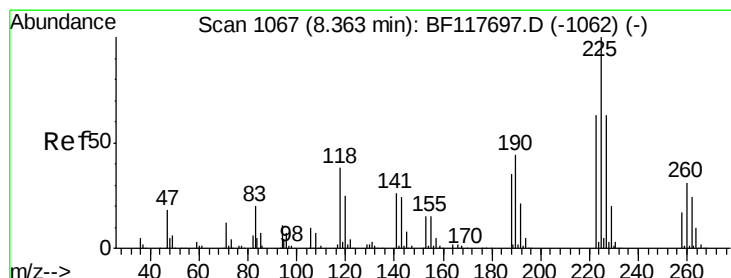
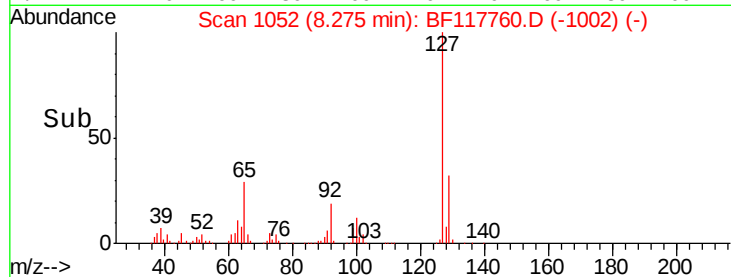
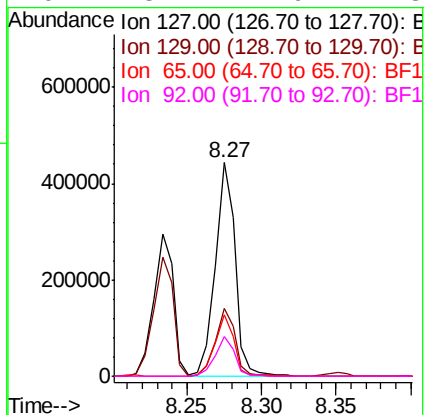
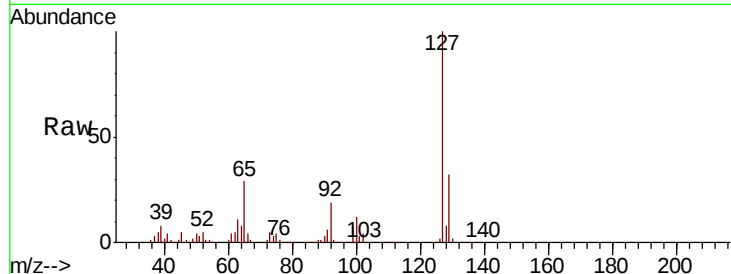
#33
4-Chloroaniline
Concen: 17.876 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	412682		
129	31.9	26.6	39.8	
65	29.0	23.0	34.6	
92	18.7	14.9	22.3	

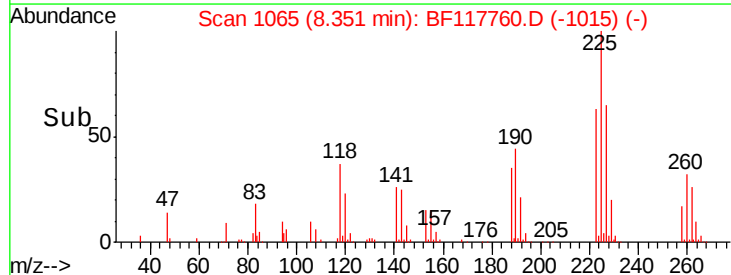
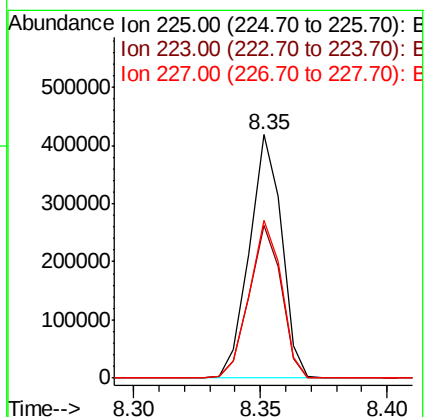
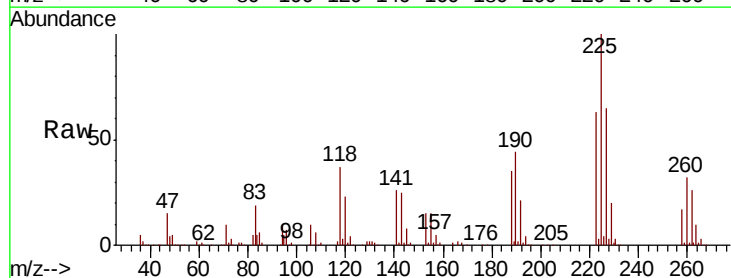
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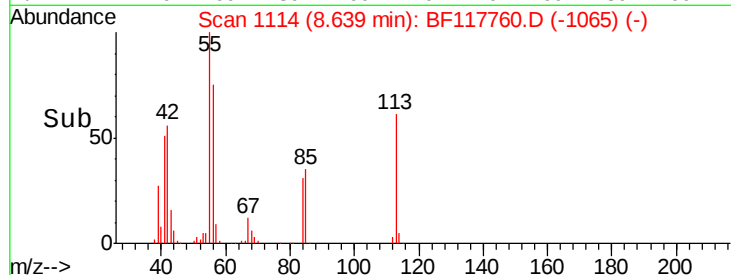
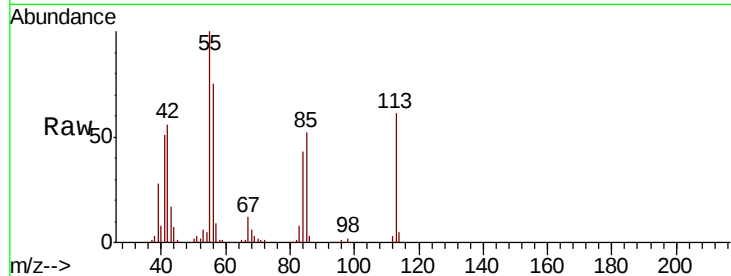
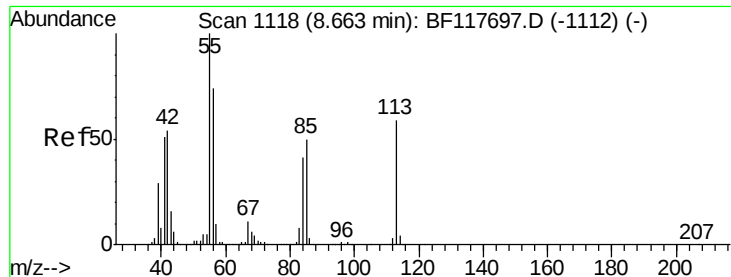
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#34
Hexachlorobutadiene
Concen: 36.601 ng
RT: 8.35 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	372017		
223	63.0	49.4	74.0	
227	65.1	50.3	75.5	





#35

Caprolactam

Concen: 36.851 ng/mL

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tot Ion:	113	Resp:	189373
Ion Ratio	Lower	Upper	
113	100		
55	163.8	143.2	183.2
56	122.6	101.2	141.2

Instrument :

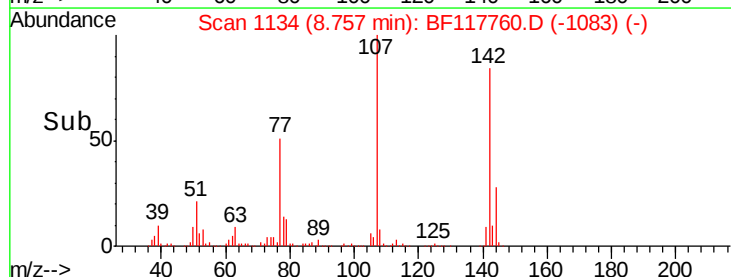
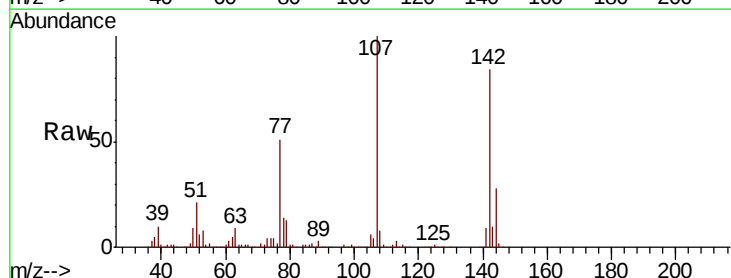
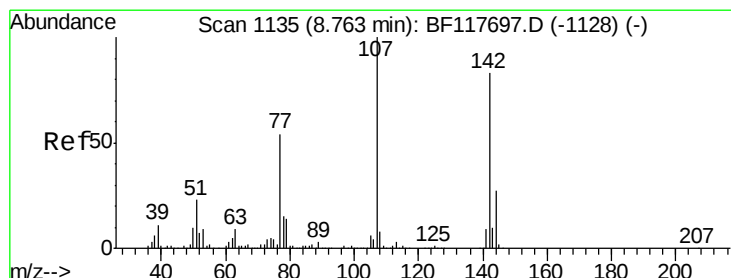
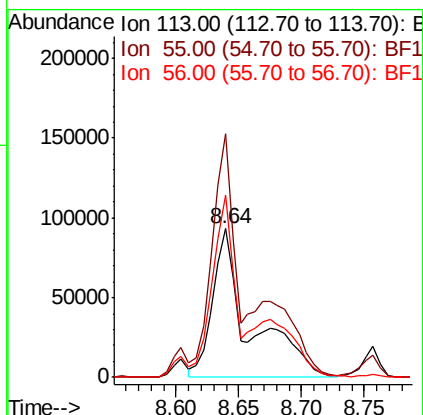
BNA_F

ClientSampleId :

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#36

4-Chloro-3-methylphenol

Concen: 38.996 ng/mL

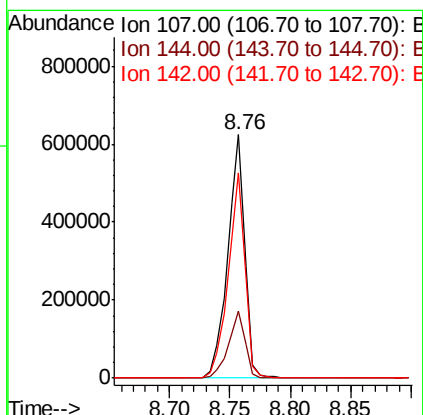
RT: 8.76 min Scan# 1134

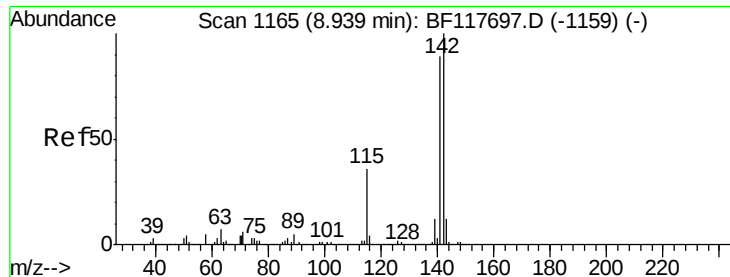
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	107	Resp:	610111
Ion Ratio	Lower	Upper	
107	100		
144	27.6	21.7	32.5
142	84.1	65.9	98.9





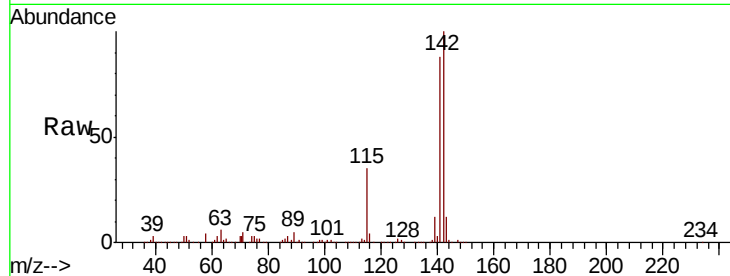
#37
2-Methylnaphthalene
Concen: 40.362 ng
RT: 8.93 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.4
115	35.5	28.8	43.2

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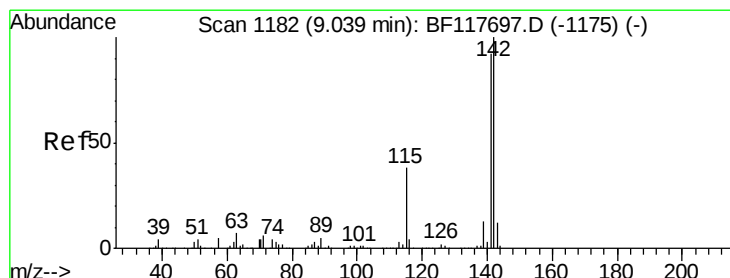
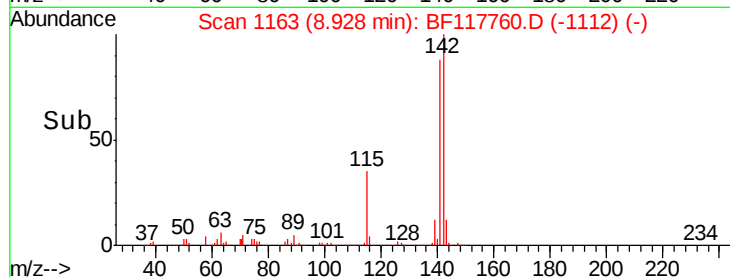
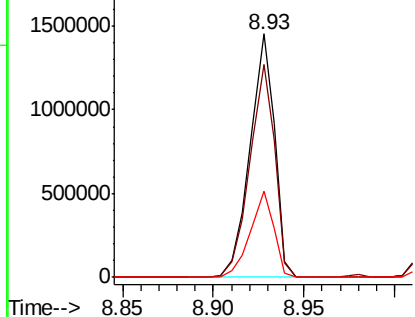


Abundance

Ion 142.00 (141.70 to 142.70): E

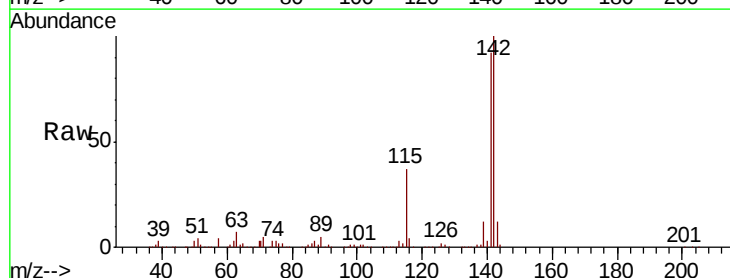
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 40.062 ng
RT: 9.03 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.5	110.3
116	3.8	3.3	4.9

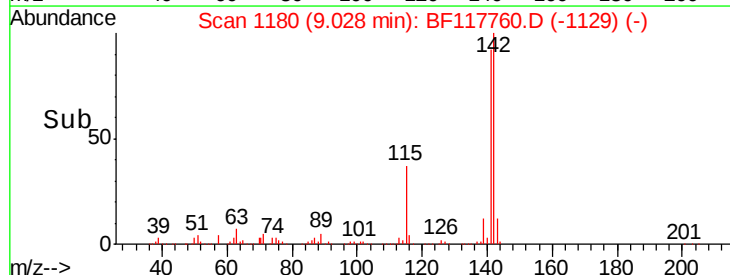
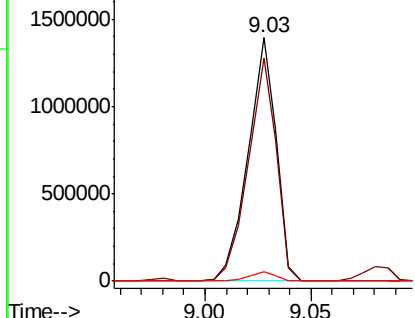


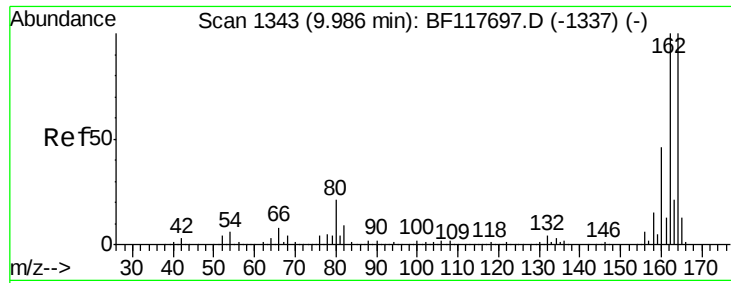
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





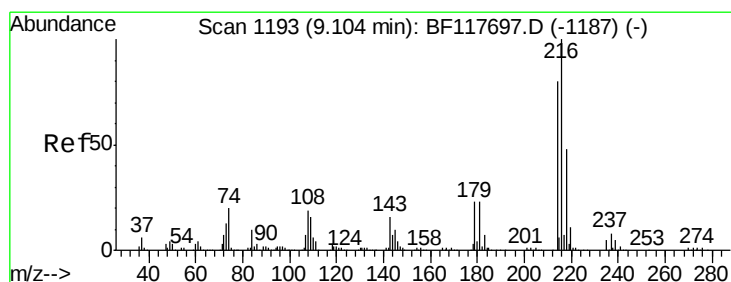
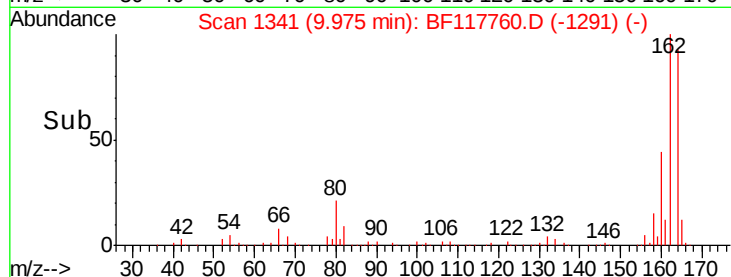
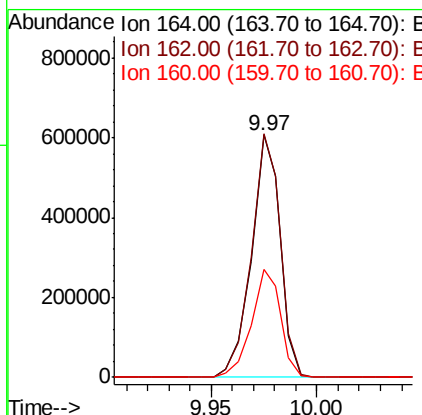
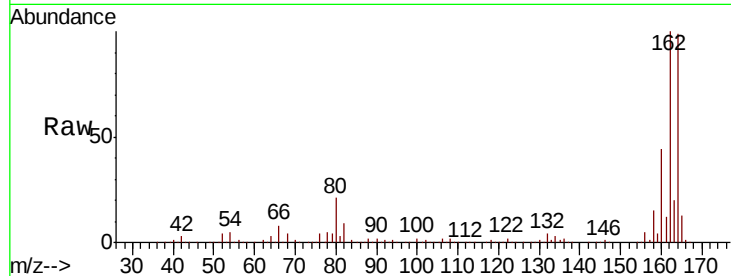
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.2	121.8
160	44.4	36.3	54.5

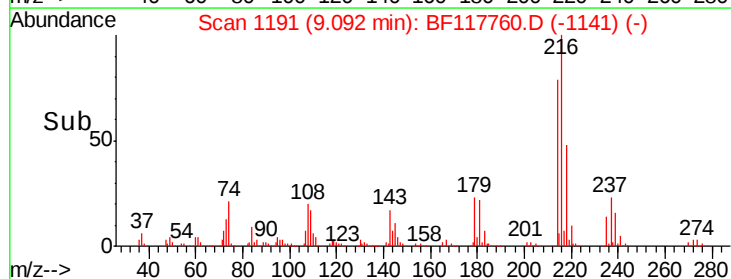
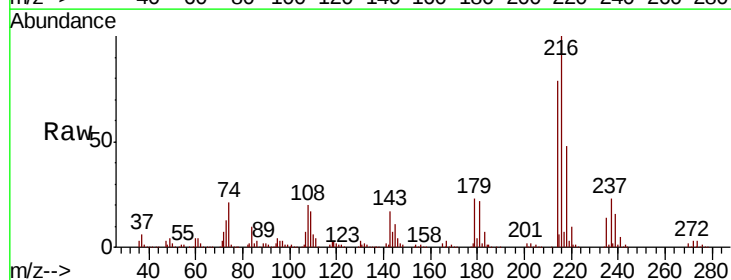
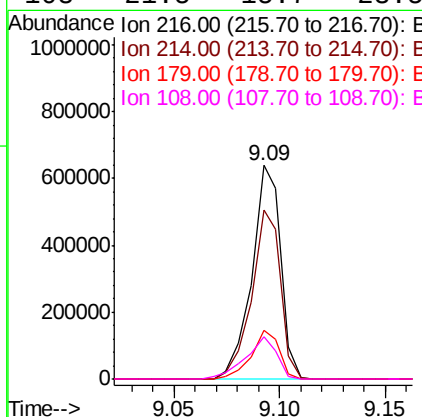
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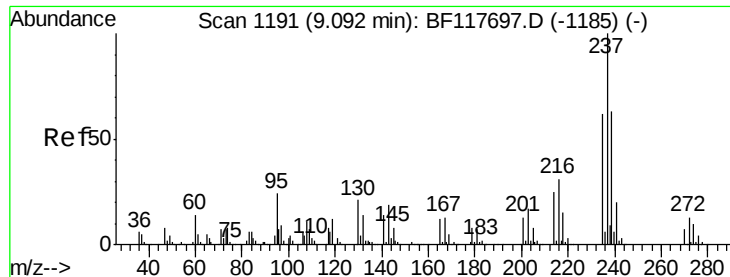
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.812 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.8	64.0	96.0
179	22.0	18.1	27.1
108	21.5	15.7	23.5





#41

Hexachlorocyclopentadiene

Concen: 78.040 ng

RT: 9.09 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

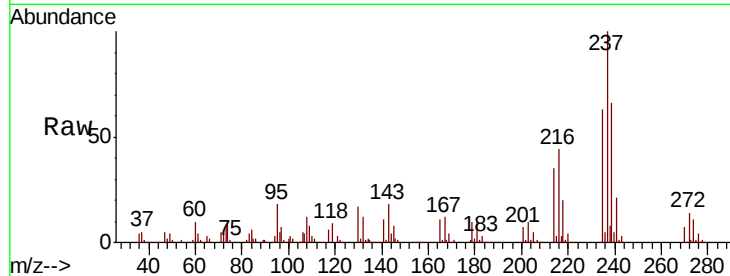
ClientSampleId :

TP-16B-SMSD

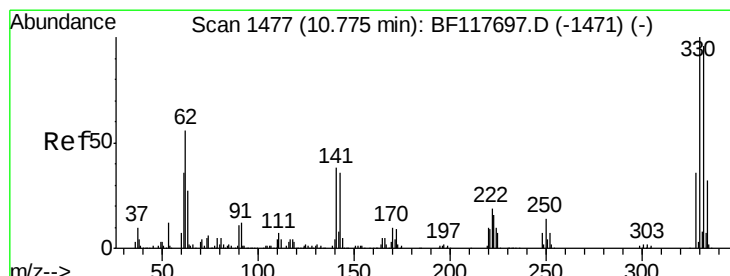
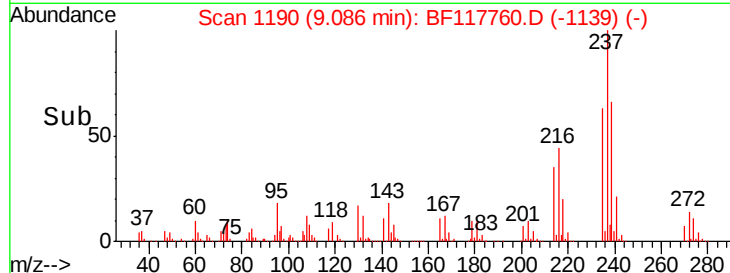
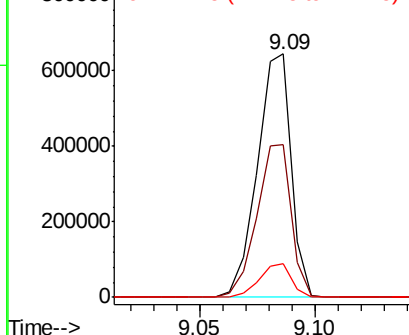
Tot Ion:	237	Resp:	659046
Ion Ratio	Lower	Upper	
237	100		
235	62.5	42.2	82.2
272	13.7	0.0	33.4

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 122.260 ng

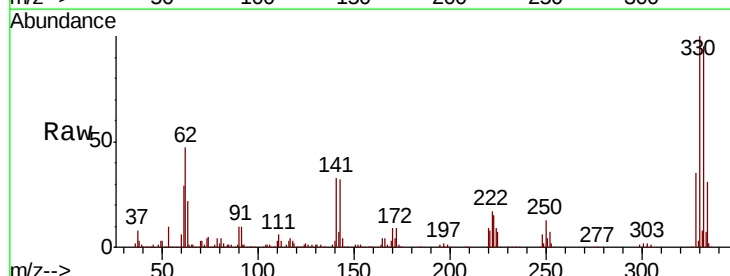
RT: 10.77 min Scan# 1476

Delta R.T. 0.00 min

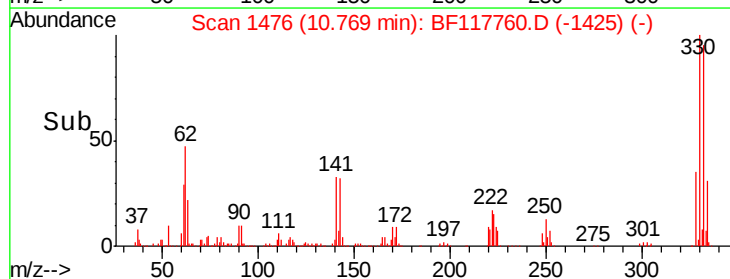
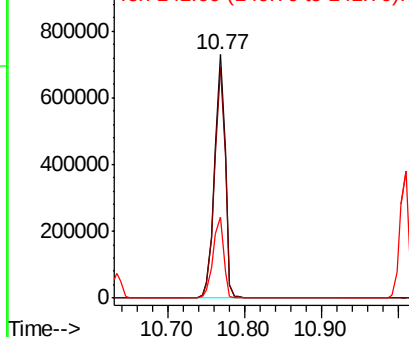
Lab File: BF117760.D

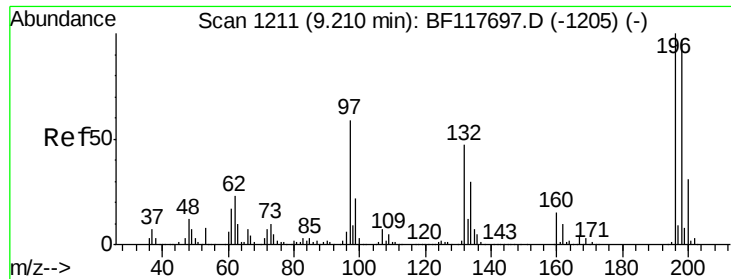
Acq: 12 Nov 2019 15:35

Tgt Ion:	330	Resp:	684336
Ion Ratio	Lower	Upper	
330	100		
332	94.8	76.9	115.3
141	33.4	26.5	39.7



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





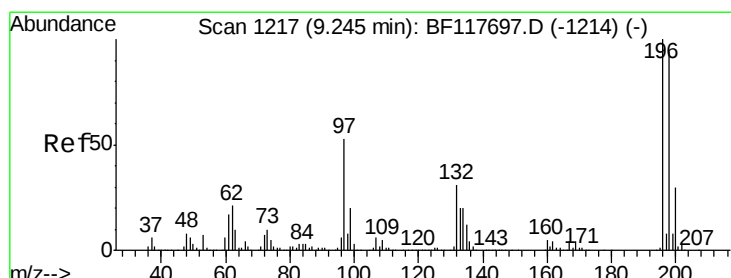
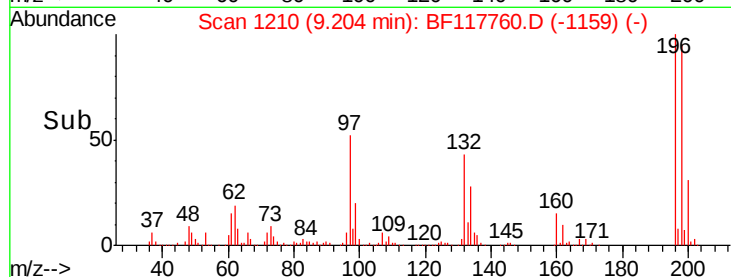
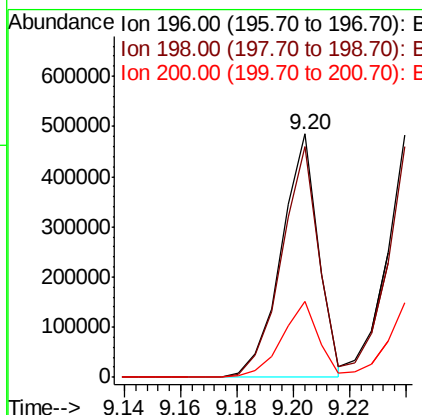
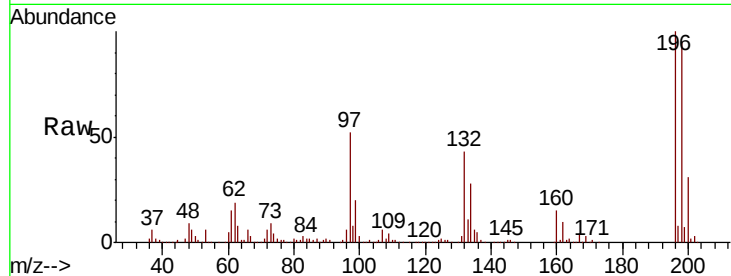
#43
2,4,6-Trichlorophenol
Concen: 38.735 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	441615		
198	95.0	75.3	112.9	
200	30.9	23.9	35.9	

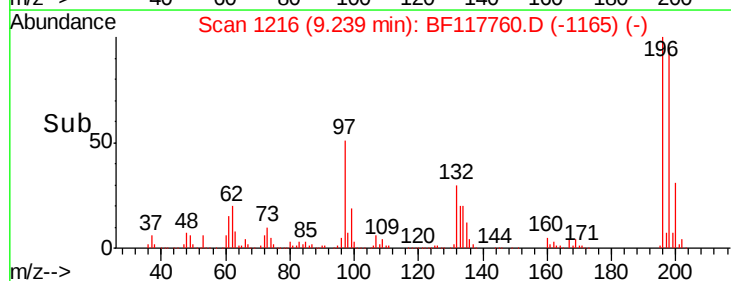
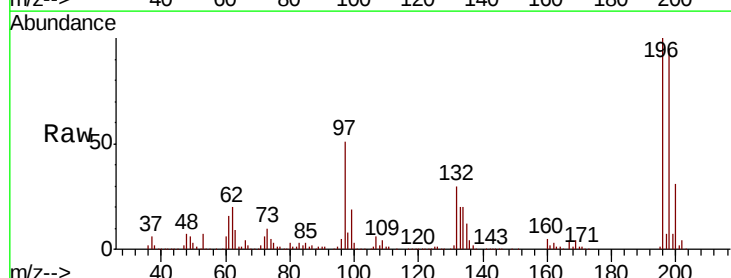
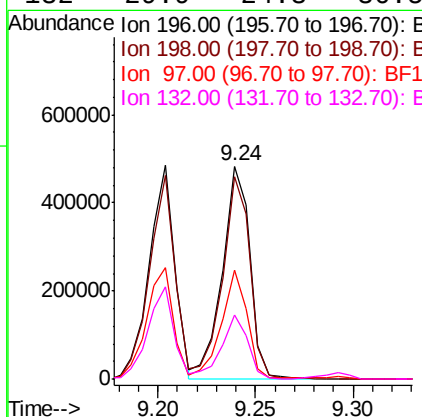
Manual Integrations
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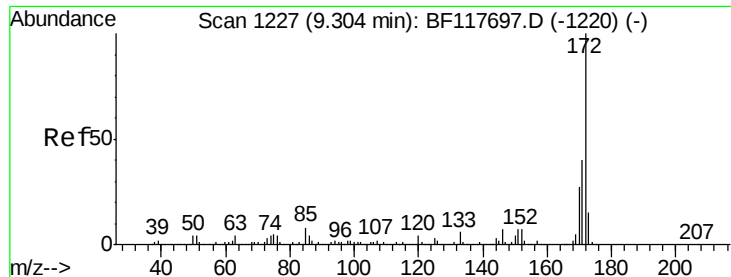
mohammad
11/13/2019 6:48:26 PM



#44
2,4,5-Trichlorophenol
Concen: 41.027 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	474119		
198	95.1	76.4	114.6	
97	51.2	41.8	62.8	
132	29.9	24.3	36.5	





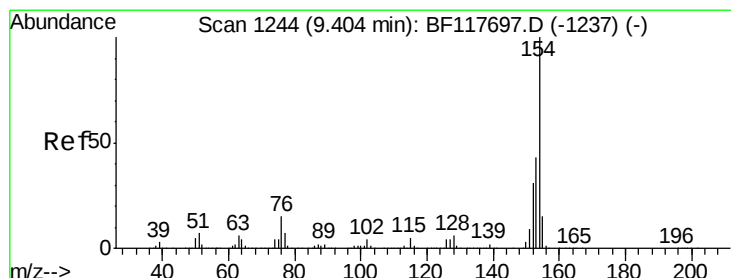
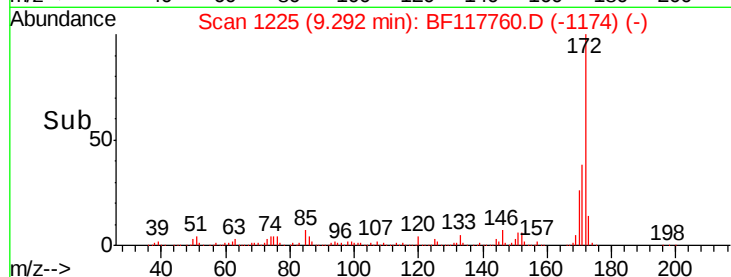
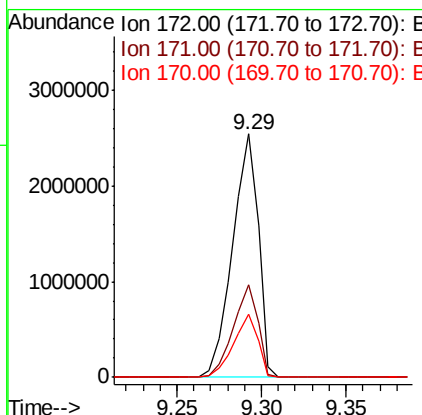
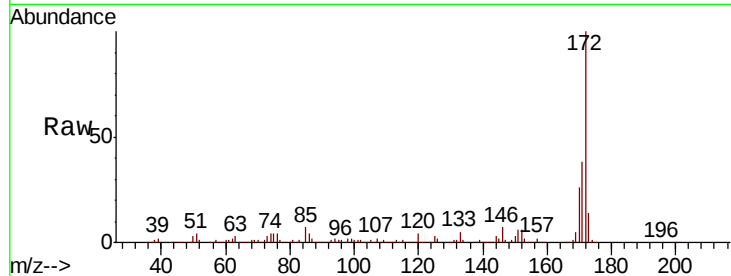
#45
2-Fluorobiphenyl
Concen: 92.482 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion:172 Resp: 2682070
Ion Ratio Lower Upper
172 100
171 37.8 30.7 46.1
170 26.0 20.6 30.8

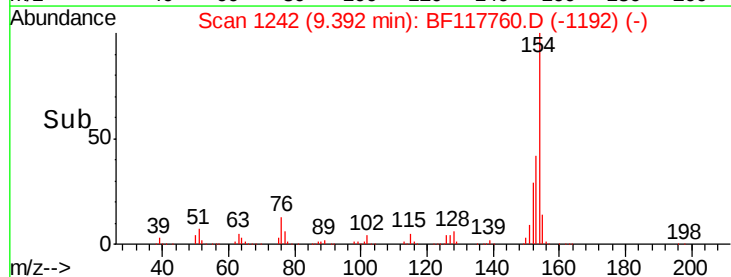
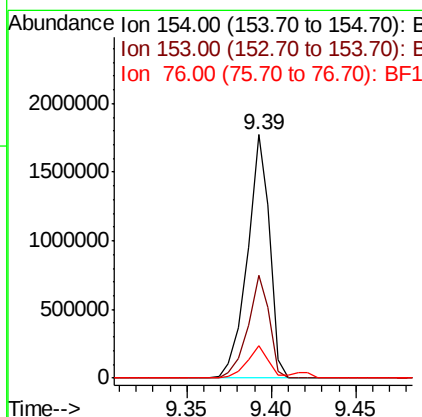
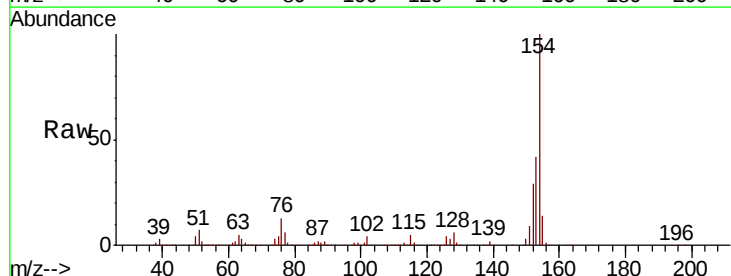
Manual Integrations
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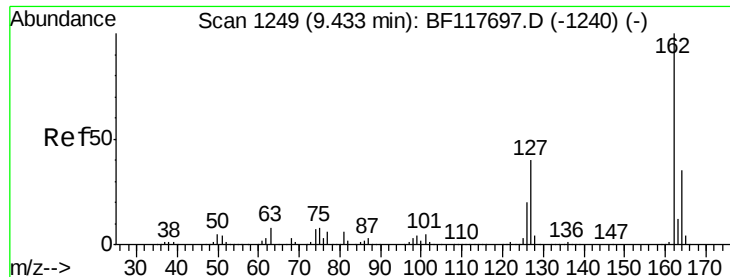
mohammad
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#46
1,1'-Biphenyl
Concen: 40.609 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion:154 Resp: 1627385
Ion Ratio Lower Upper
154 100
153 42.0 21.6 61.6
76 13.4 0.0 32.0





#47

2-Chloronaphthalene

Concen: 38.446 ng

RT: 9.42 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:162 Resp: 1278570

Ion Ratio Lower Upper

162 100

127 39.9 33.0 49.6

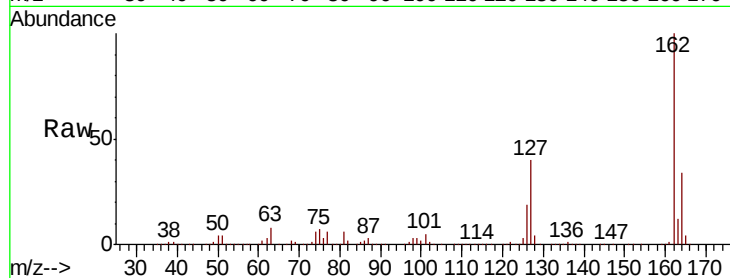
164 34.2 27.4 41.0

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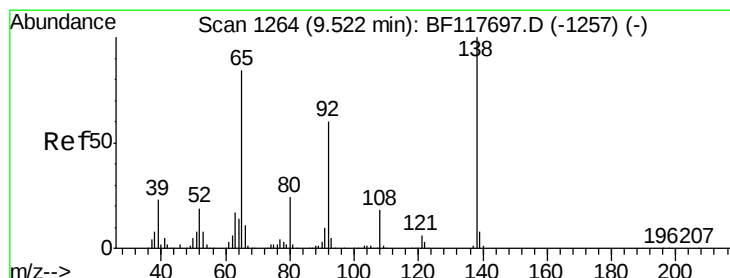
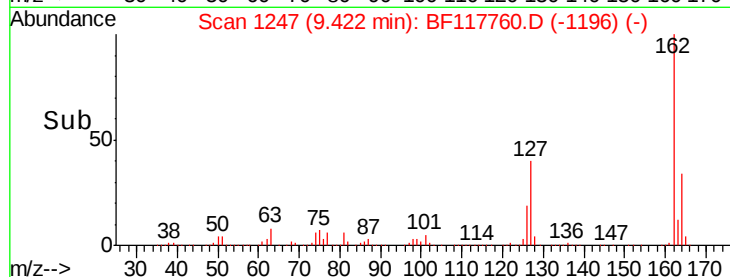
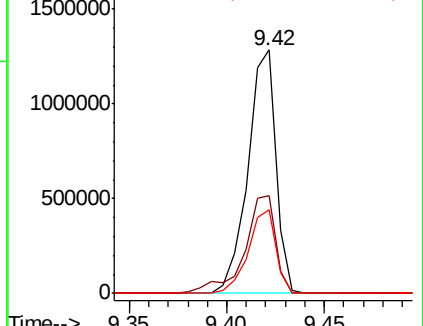
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 36.582 ng

RT: 9.51 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

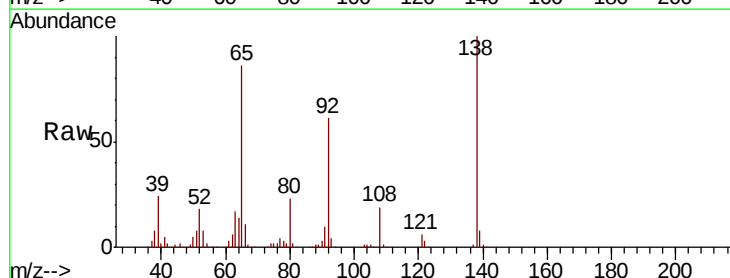
Tgt Ion: 65 Resp: 381242

Ion Ratio Lower Upper

65 100

92 71.1 57.9 86.9

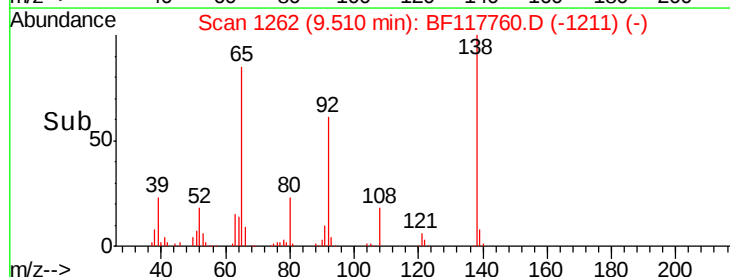
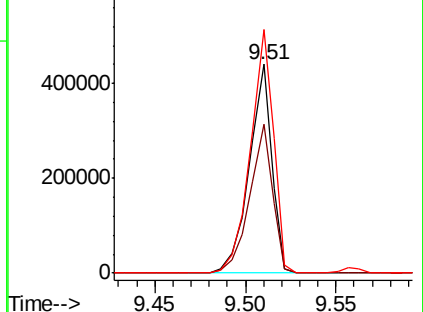
138 116.6 90.7 136.1

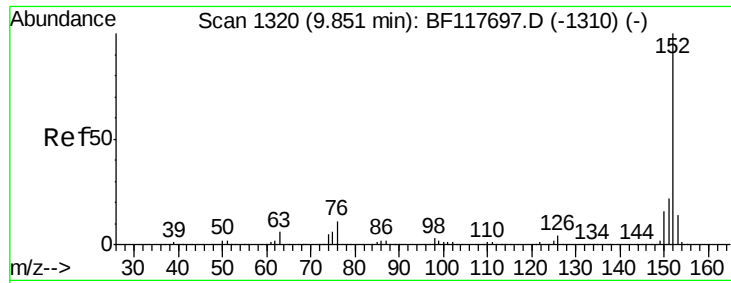


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.417 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:152 Resp: 2005900

Ion Ratio Lower Upper

152 100

151 21.3 17.5 26.3

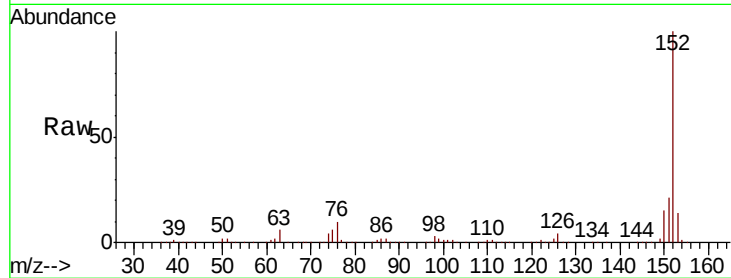
153 14.1 11.7 17.5

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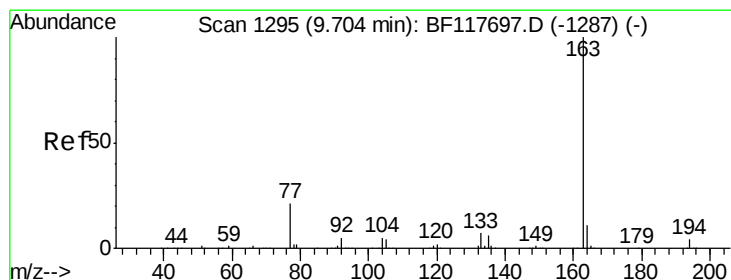
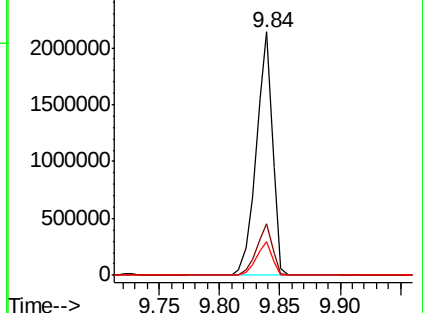
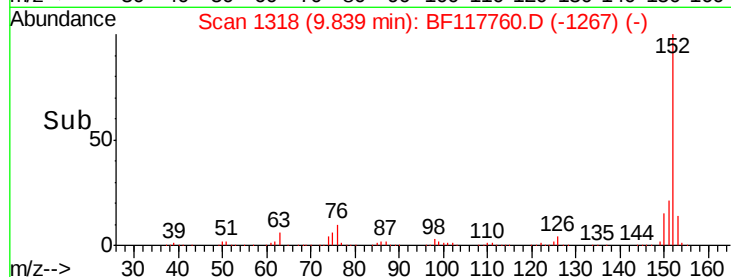
11/13/2019 6:48:26 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.039 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

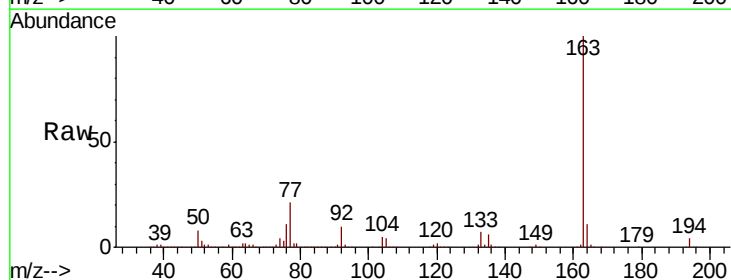
Tgt Ion:163 Resp: 1703534

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

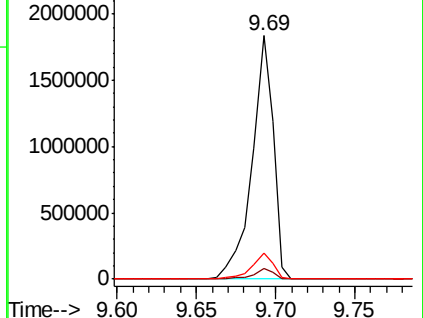
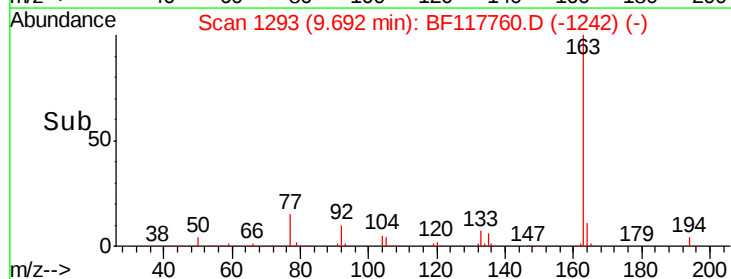
164 10.7 8.6 13.0

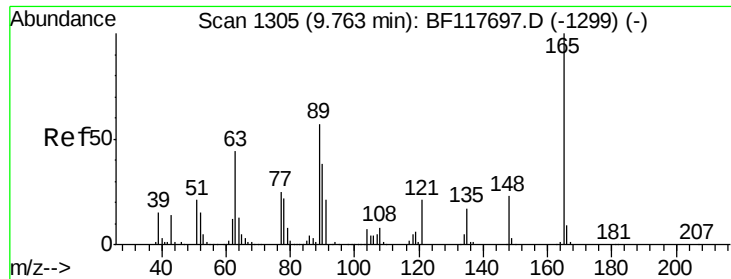


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





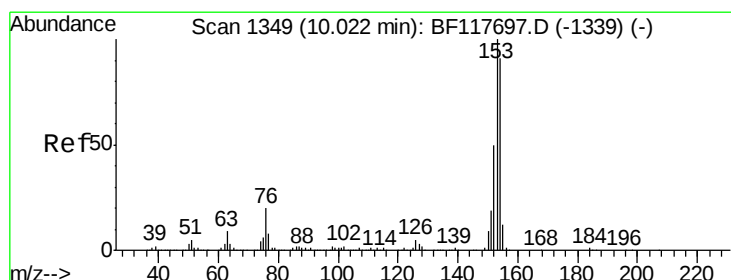
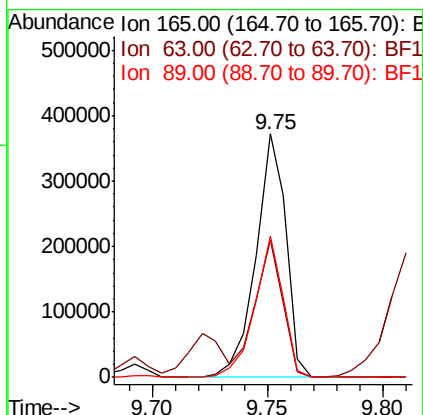
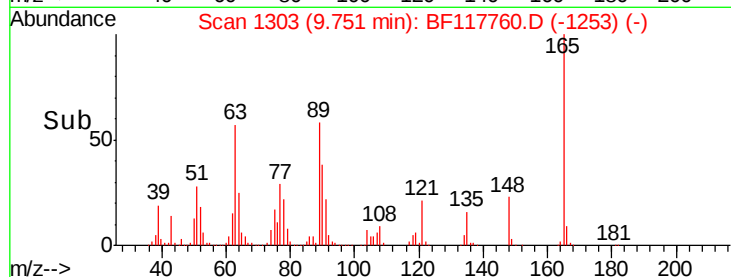
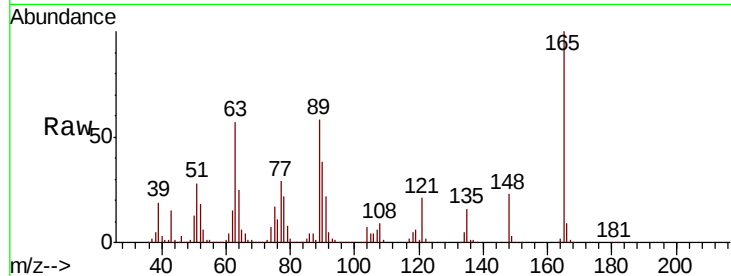
#51
2,6-Dinitrotoluene
Concen: 39.067 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	338396		
63	56.7	36.6	55.0#	
89	58.0	39.2	58.8	

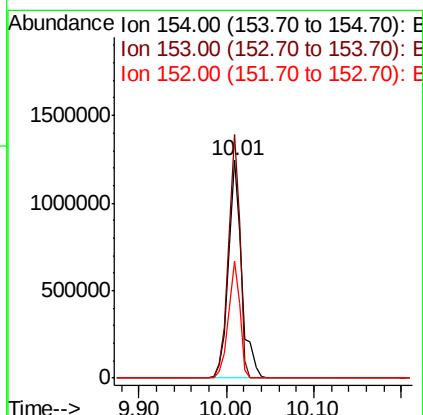
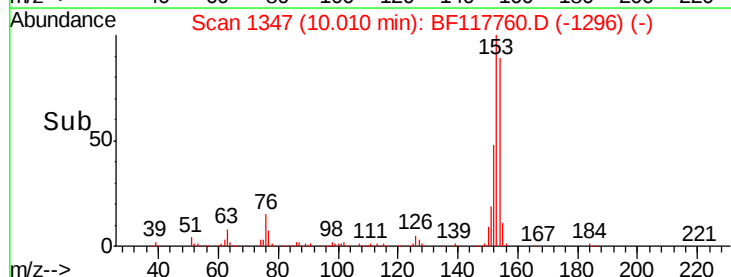
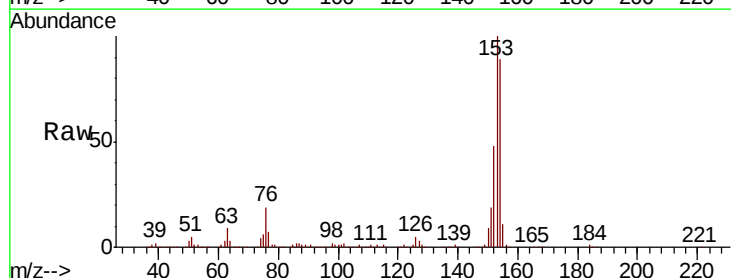
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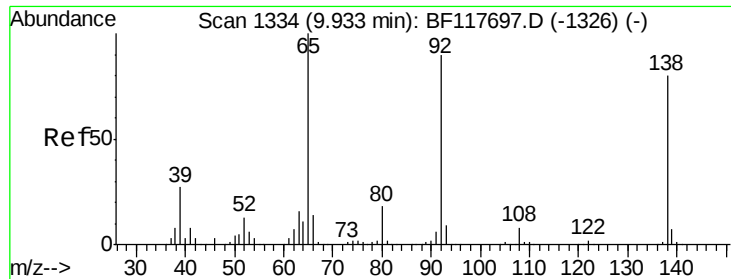
mohammad
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#52
Acenaphthene
Concen: 41.762 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1305121		
153	112.0	89.0	133.6	
152	53.9	43.8	65.8	





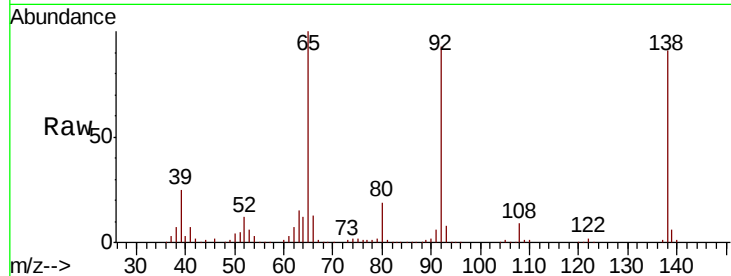
#53
3-Nitroaniline
Concen: 21.112 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.2	12.2
92	102.2	81.5	122.3

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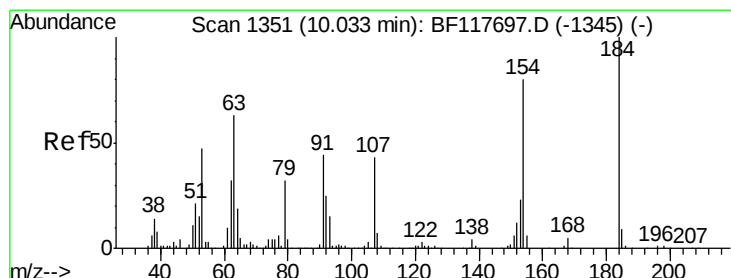
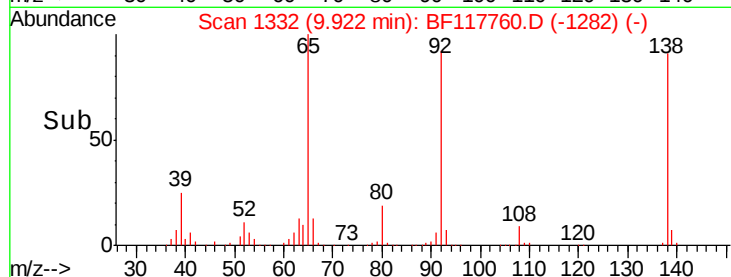
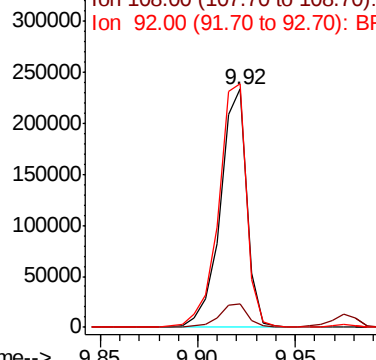


Abundance

Ion 138.00 (137.70 to 138.70): E

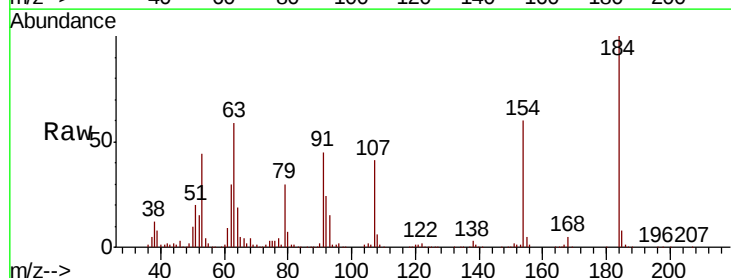
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 94.118 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.4	45.8	68.8
154	59.6	48.4	72.6

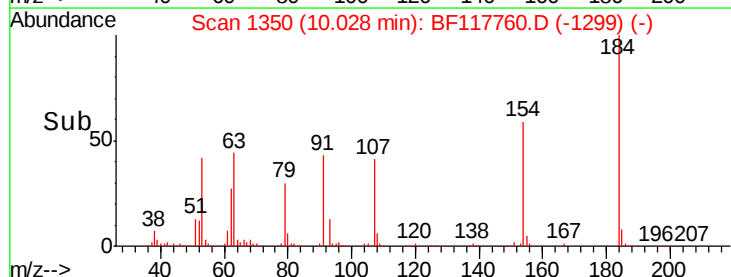
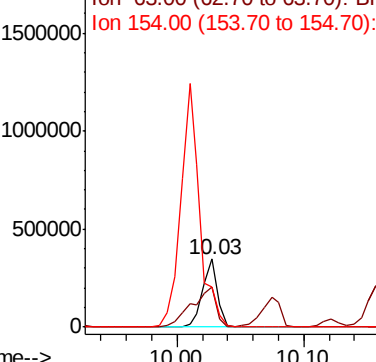


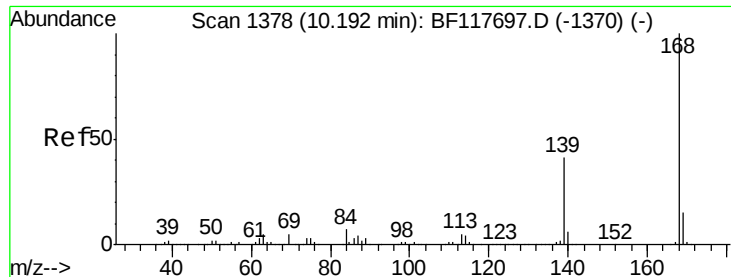
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





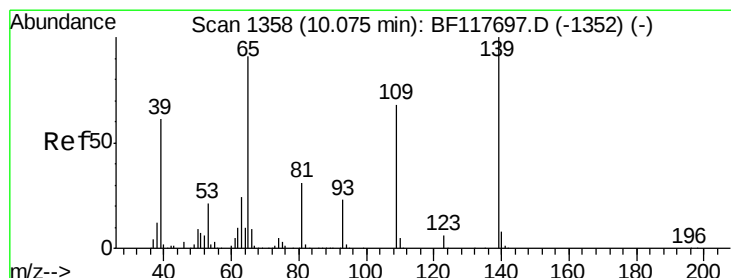
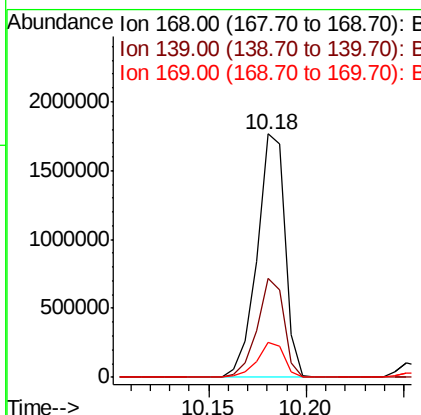
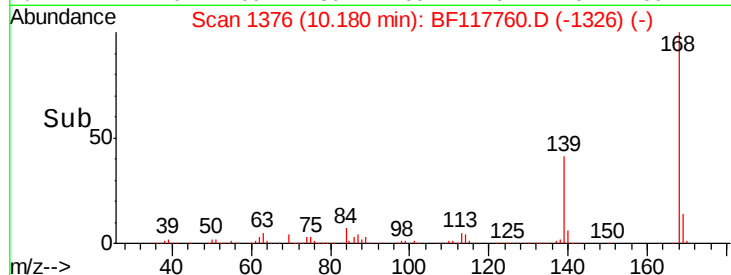
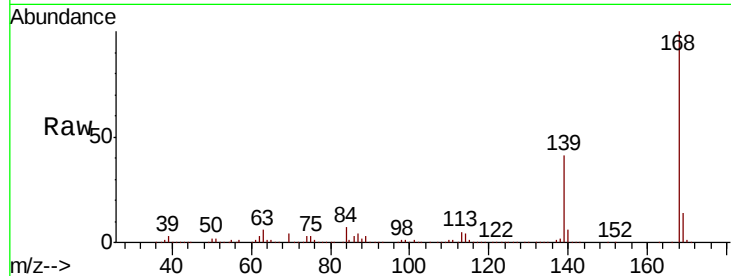
#55
Dibenzenofuran
Concen: 39.983 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.4	47.2
169	14.1	11.1	16.7

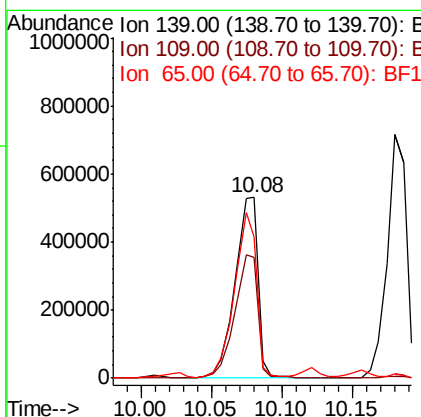
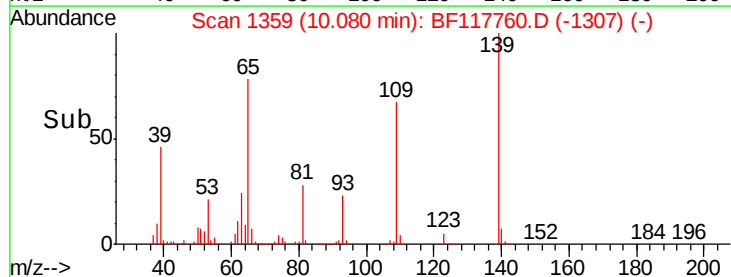
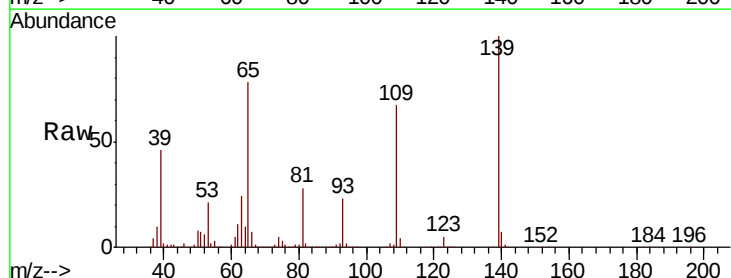
Manual Integrations
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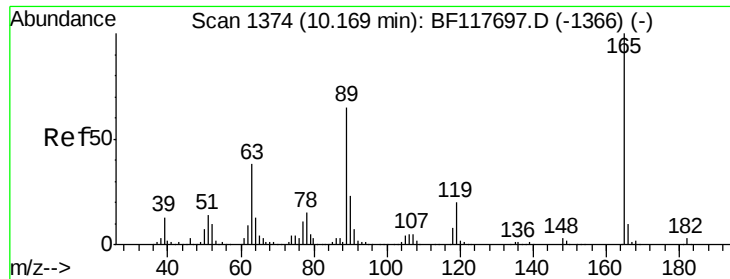
mohammad
11/13/2019 6:48:26 PM



#56
4-Nitrophenol
Concen: 76.497 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.9	45.1	85.1
65	77.9	61.7	101.7





#57

2,4-Dinitrotoluene

Concen: 39.741 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

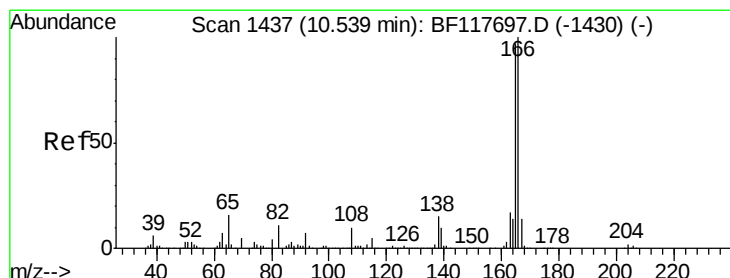
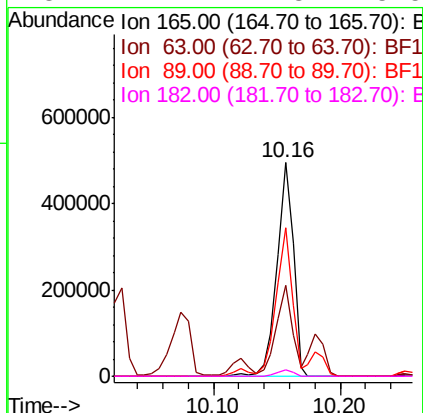
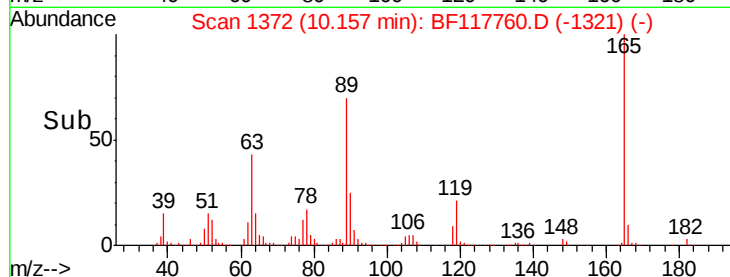
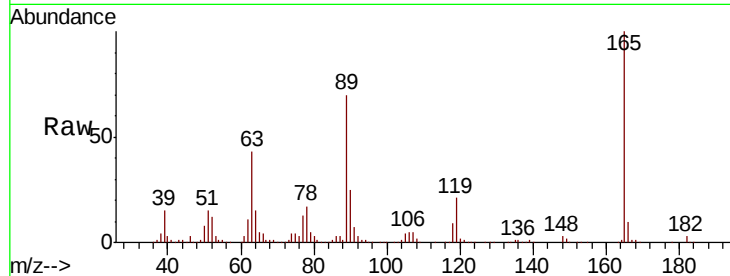
ClientSampleId :

TP-16B-SMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		441576		
63	42.8	34.4	51.6		
89	69.6	57.8	86.8		
182	2.7	2.3	3.5		

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#58

Fluorene

Concen: 39.921 ng

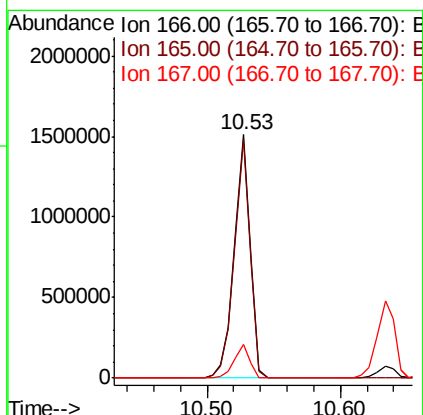
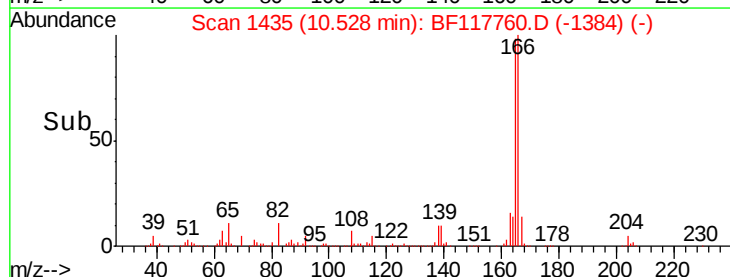
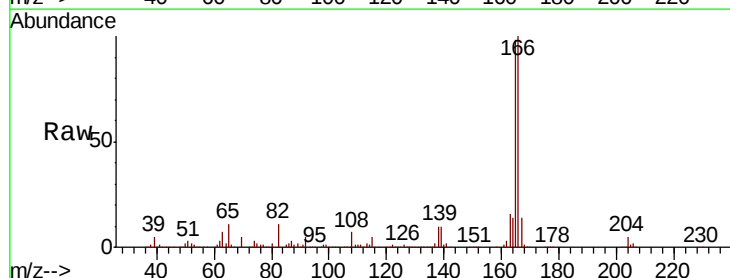
RT: 10.53 min Scan# 1435

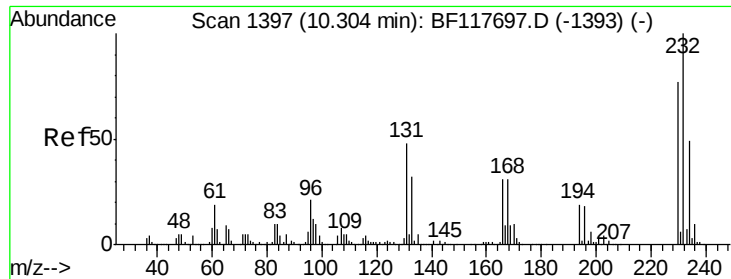
Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1286669		
165	98.0	77.5	116.3		
167	13.6	11.3	16.9		





#59

2,3,4,6-Tetrachlorophenol

Concen: 39.875 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:232 Resp: 383059
Ion Ratio Lower Upper

232 100

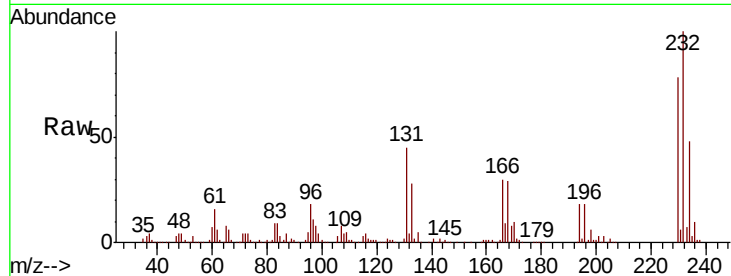
131 46.1 36.2 54.4

130 2.4 1.8 2.8

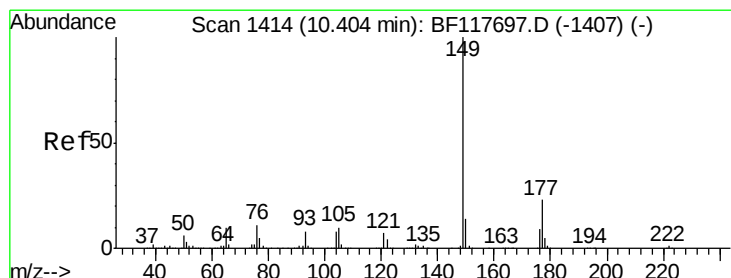
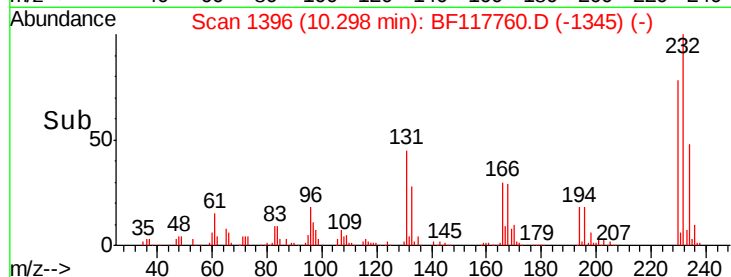
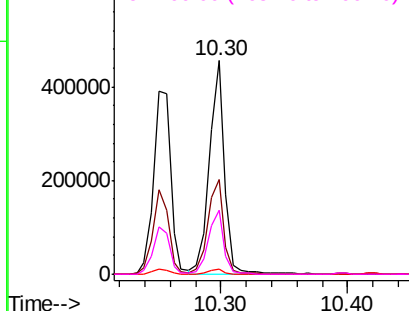
166 29.9 24.1 36.1

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Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 37.789 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF117760.D

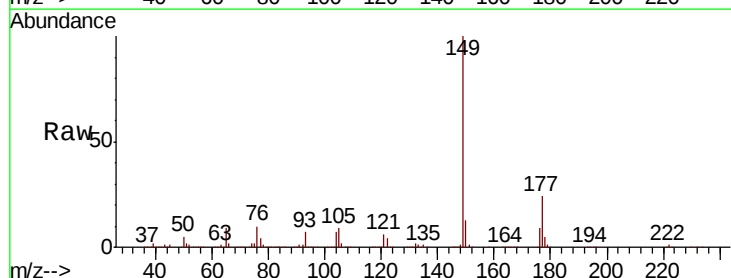
Acq: 12 Nov 2019 15:35

Tgt Ion:149 Resp: 1437561
Ion Ratio Lower Upper

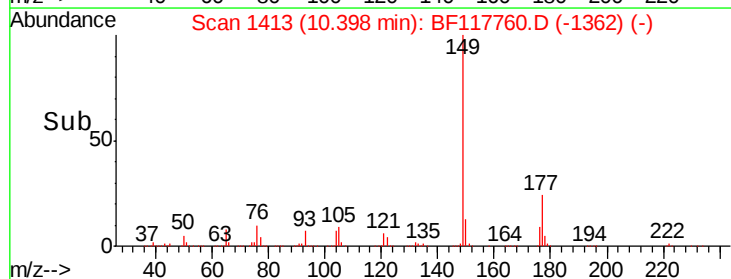
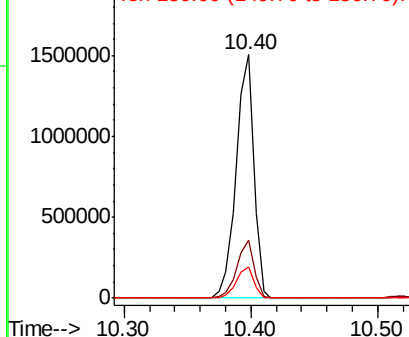
149 100

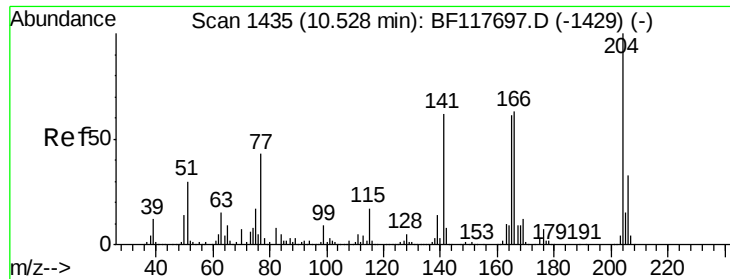
177 23.9 18.7 28.1

150 12.7 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





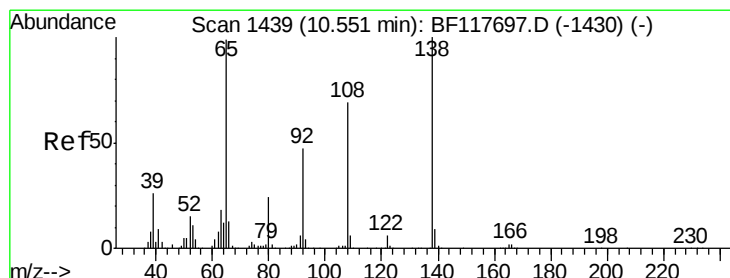
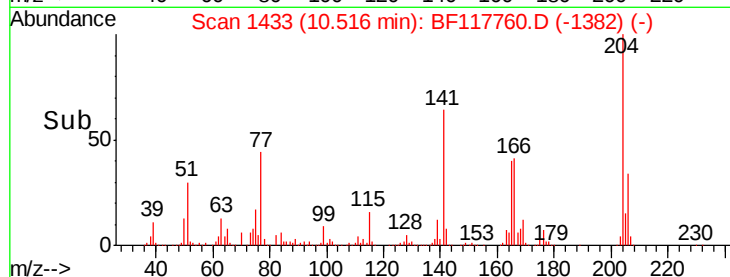
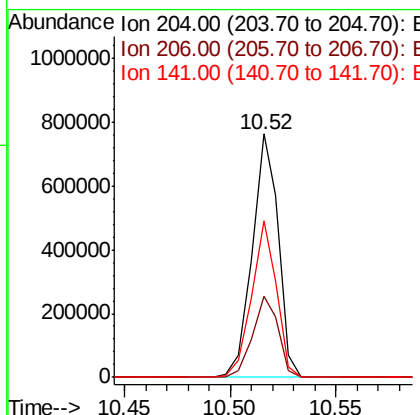
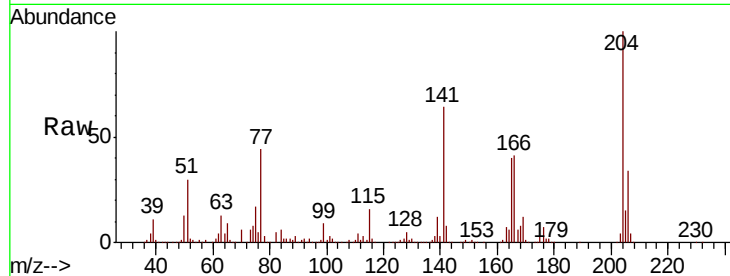
#61
4-Chlorophenyl-phenylether
Concen: 38.930 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.2	39.2
141	64.5	50.4	75.6

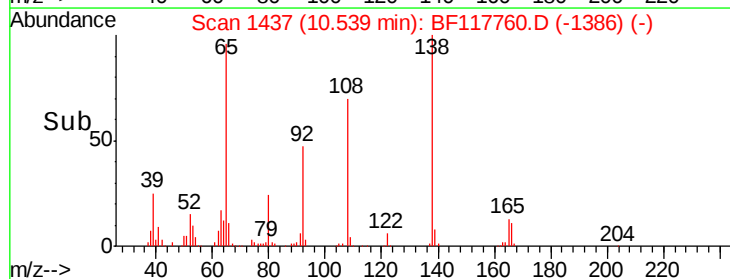
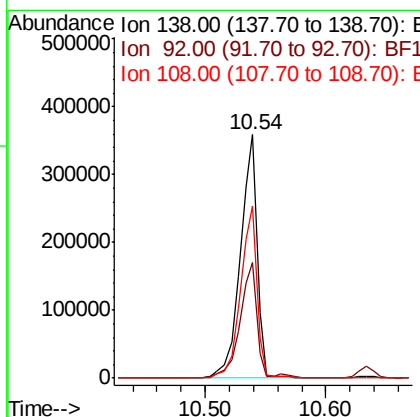
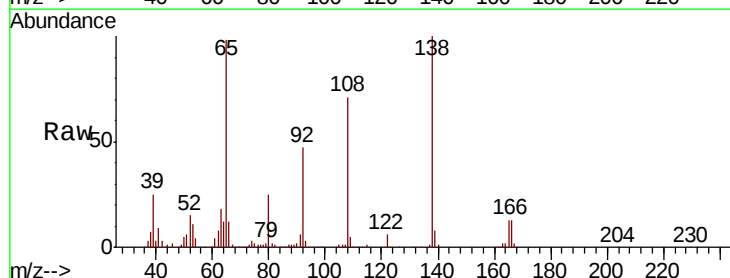
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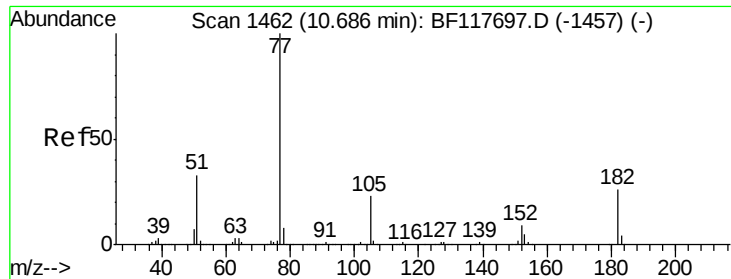
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#62
4-Nitroaniline
Concen: 34.002 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.2	29.3	69.3
108	70.8	52.7	92.7





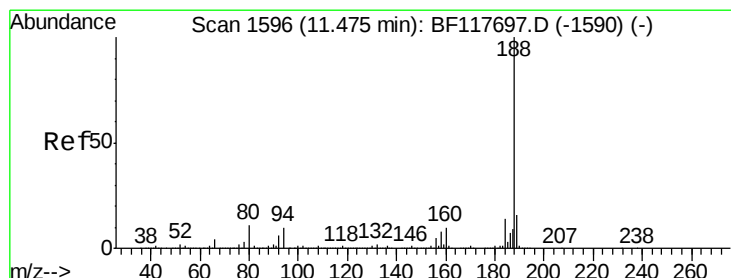
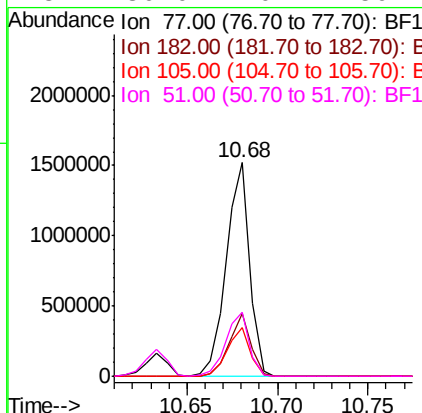
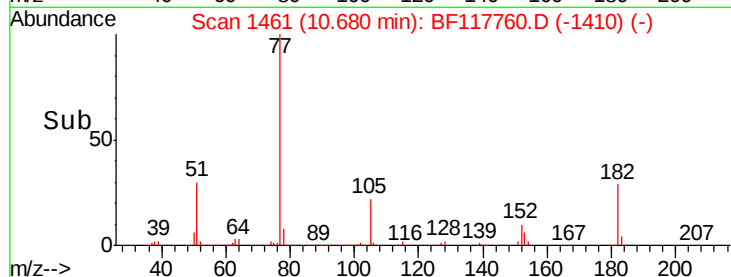
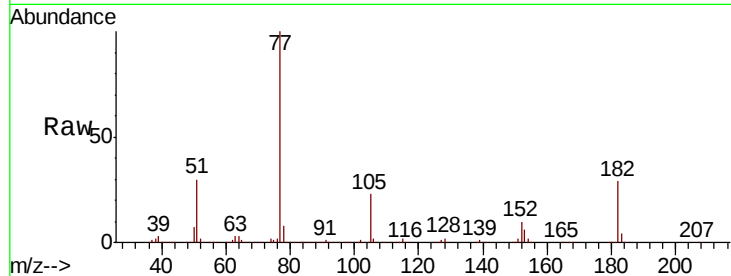
#63
Azobenzene
Concen: 37.742 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.2	9.8	49.8
105	22.7	3.3	43.3
51	30.0	10.7	50.7

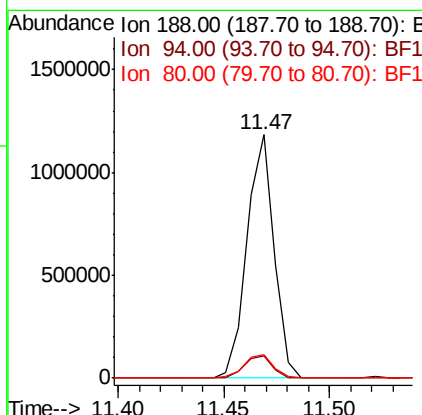
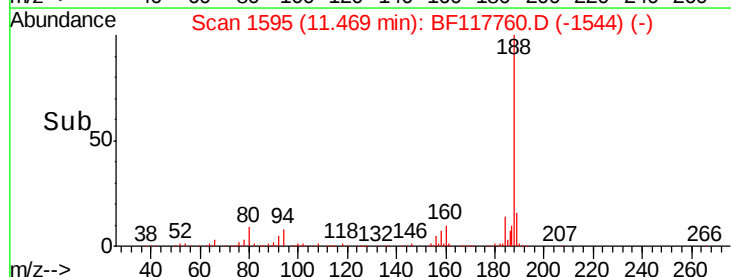
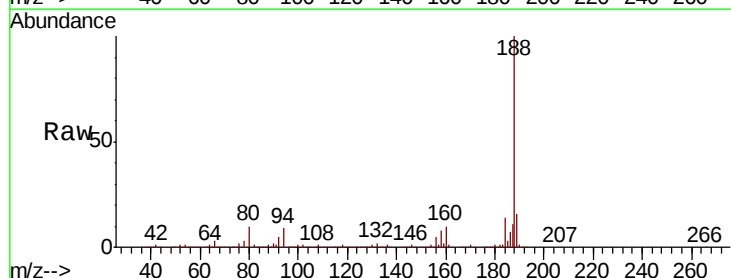
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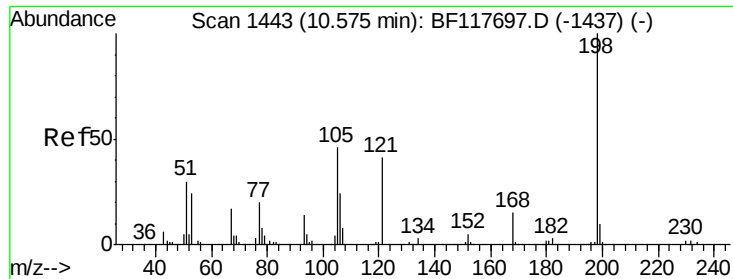
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.4	11.2
80	9.6	8.1	12.1





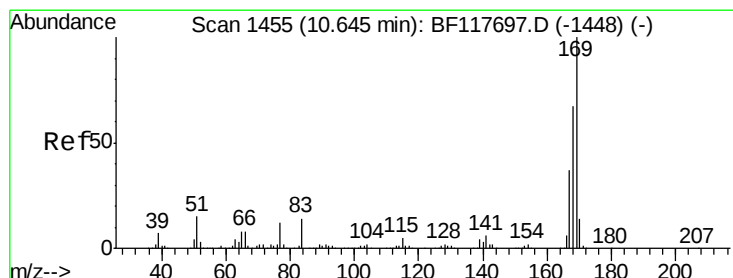
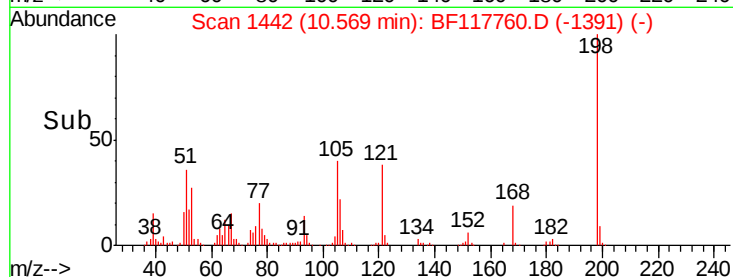
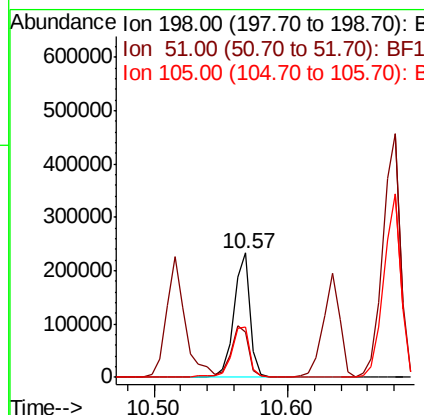
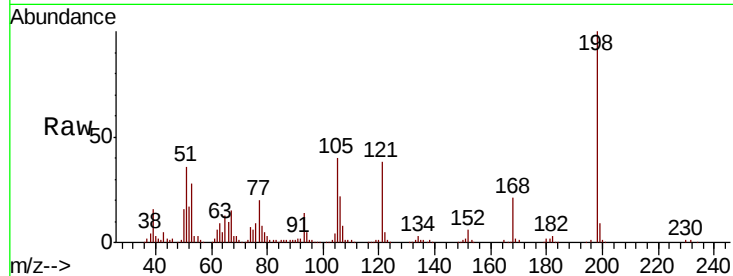
#65
4,6-Dinitro-2-methylphenol
Concen: 47.288 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	198986		
51	36.3	19.9	59.9	
105	40.4	22.6	62.6	

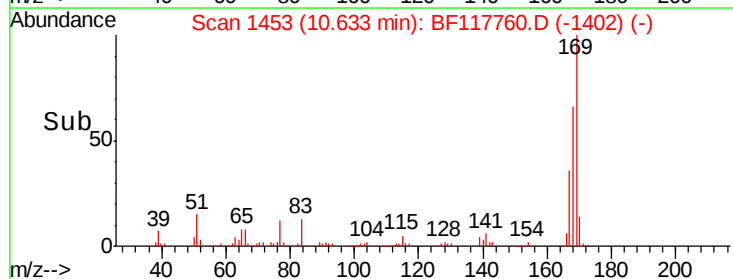
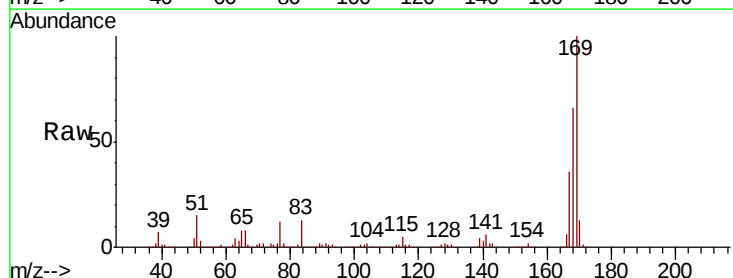
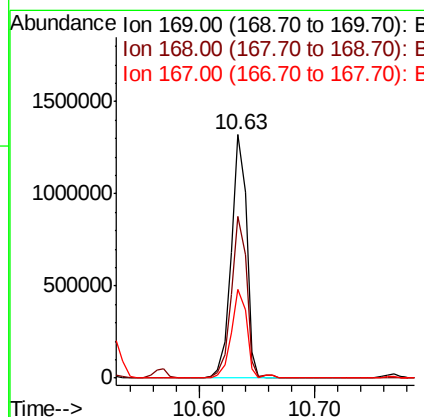
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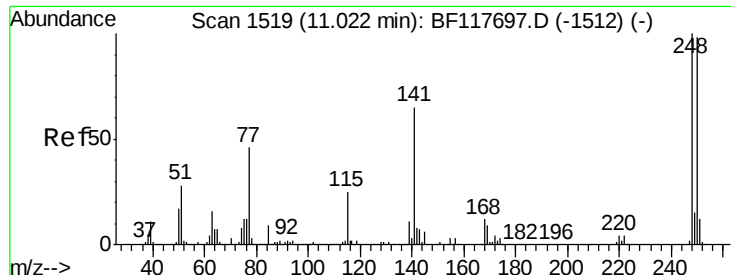
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#66
n-Nitrosodiphenylamine
Concen: 38.803 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1207712		
168	66.4	53.1	79.7	
167	36.5	29.3	43.9	





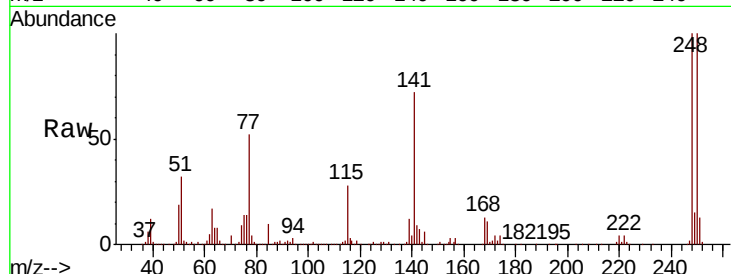
#67
4-Bromophenyl-phenylether
Concen: 36.936 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.0	77.8	116.6
141	72.4	58.6	88.0

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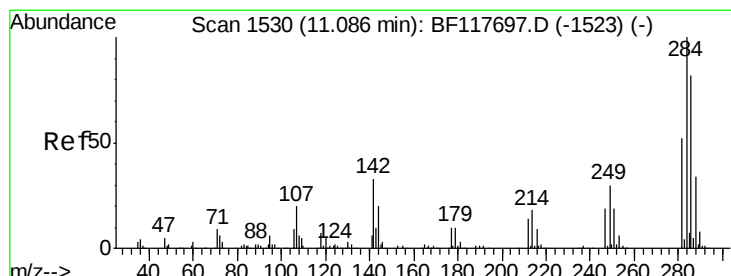
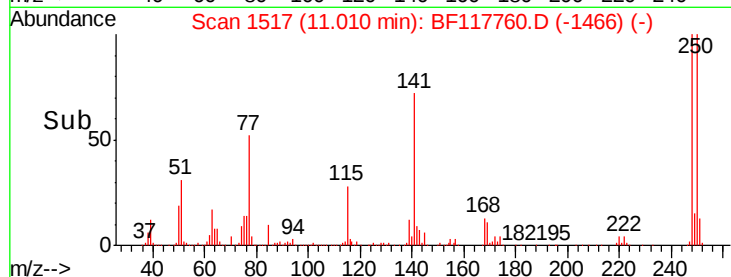
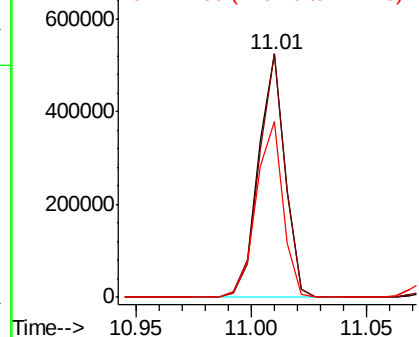


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 36.455 ng
RT: 11.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

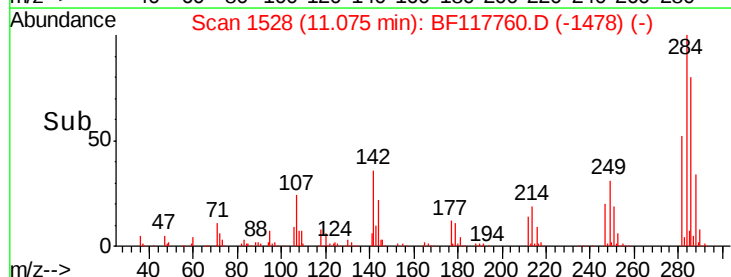
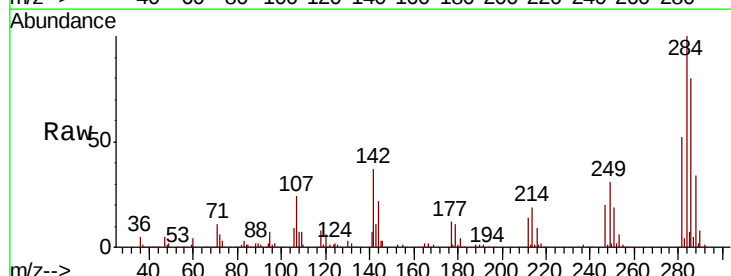
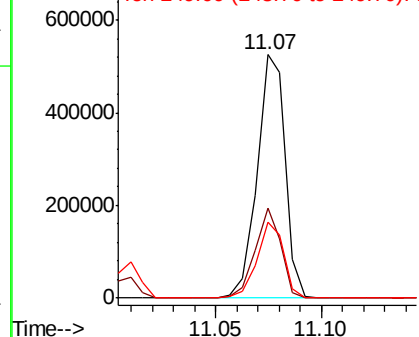
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.7	22.8	34.2#
249	31.1	23.0	34.6

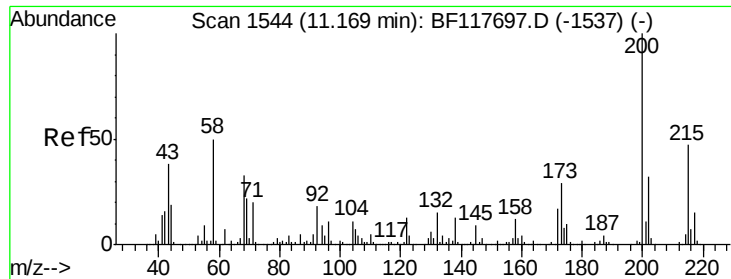
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





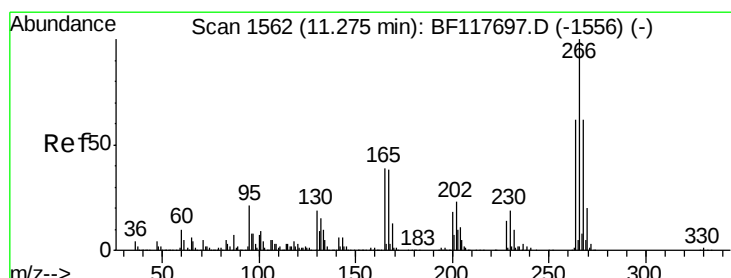
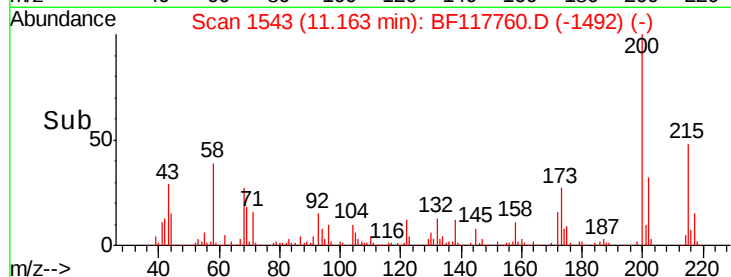
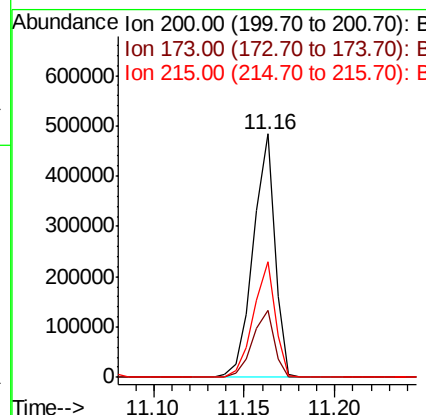
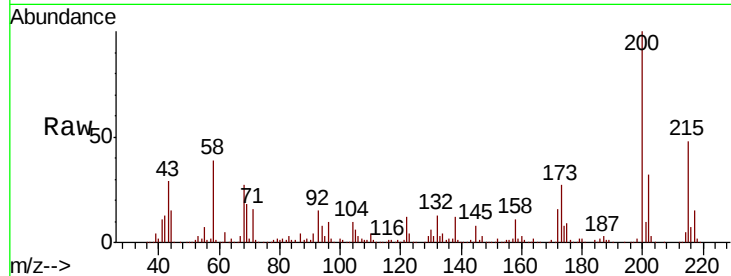
#69
Atrazine
Concen: 39.344 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.3	6.6	46.6
215	47.5	28.6	68.6

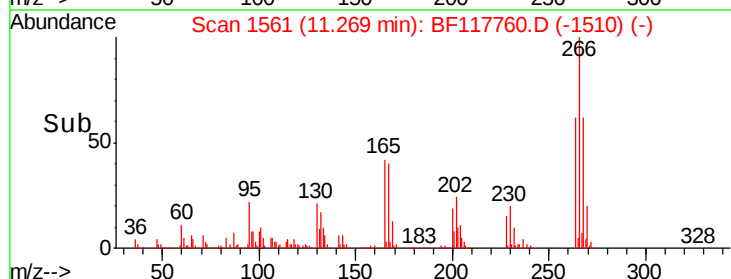
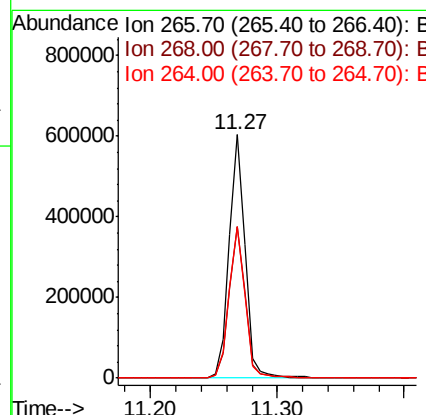
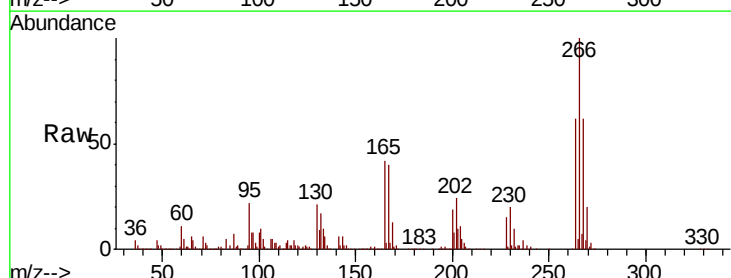
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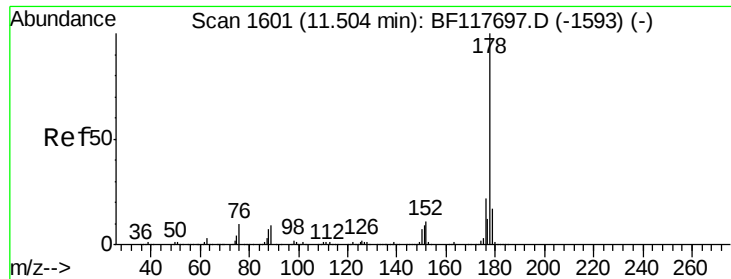
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#70
Pentachlorophenol
Concen: 71.663 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.2	50.1	75.1
264	62.1	49.8	74.6





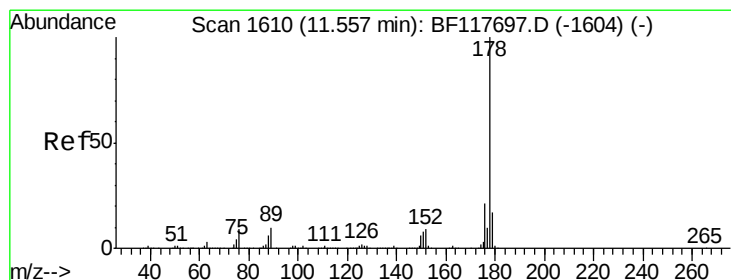
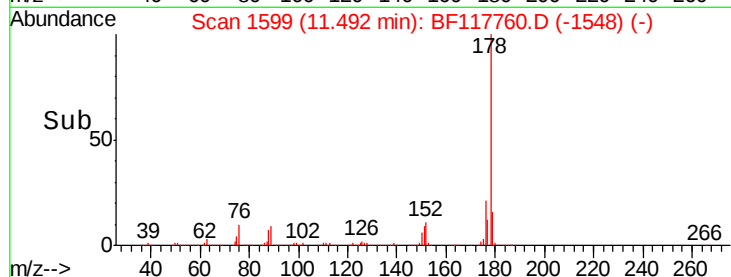
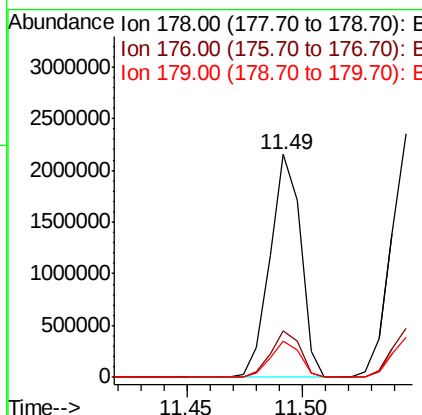
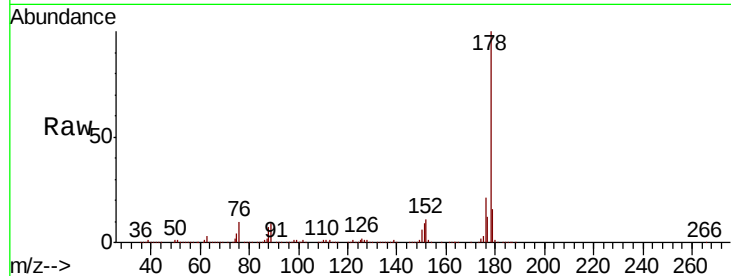
#71
Phenanthrene
Concen: 39.431 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.8	25.2
179	16.3	13.5	20.3

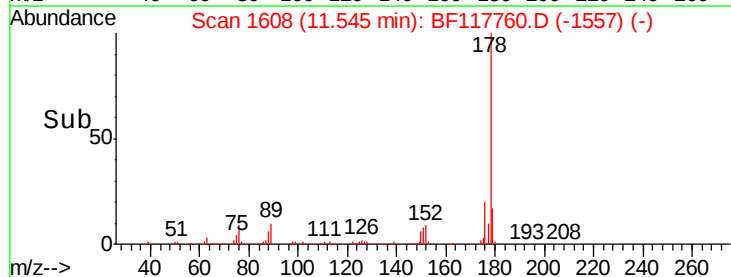
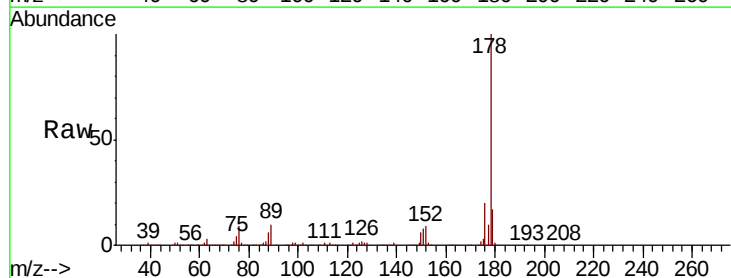
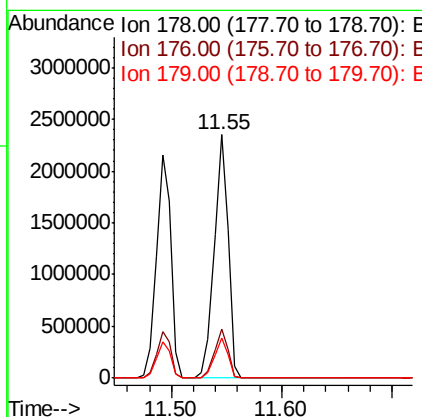
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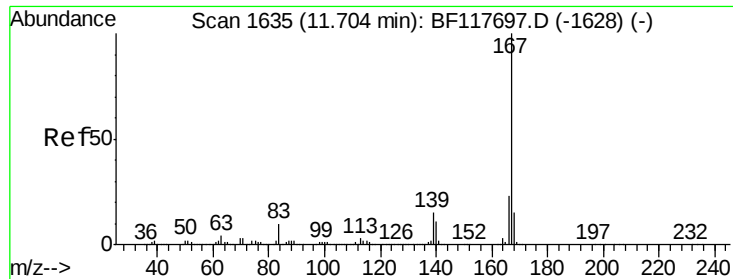
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#72
Anthracene
Concen: 40.461 ng
RT: 11.55 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.4	24.6
179	16.6	13.6	20.4





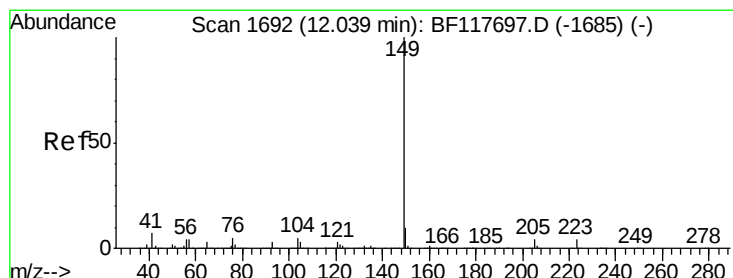
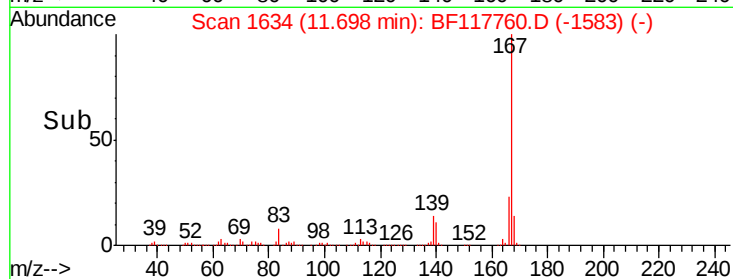
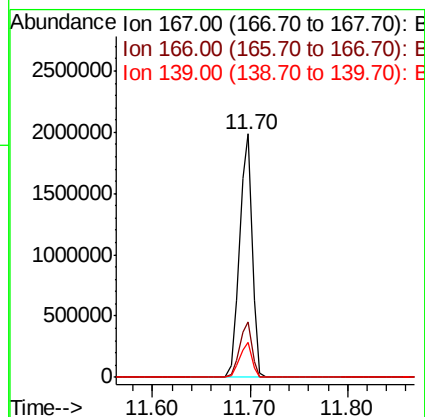
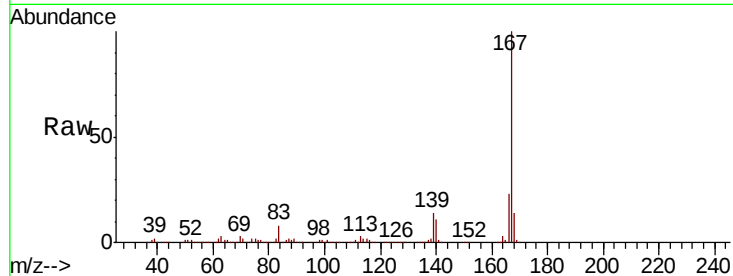
#73
 Carbazole
 Concen: 38.771 ng
 RT: 11.70 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BF117760.D
 Acq: 12 Nov 2019 15:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	27.8
139	14.3	11.6	17.4

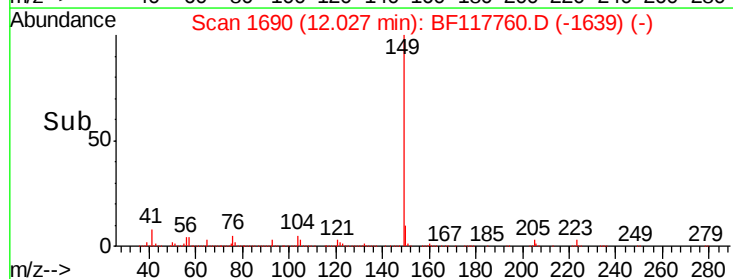
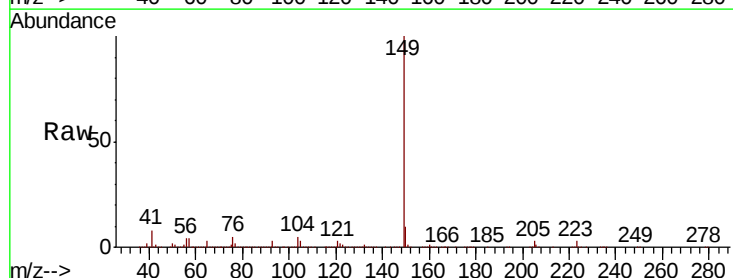
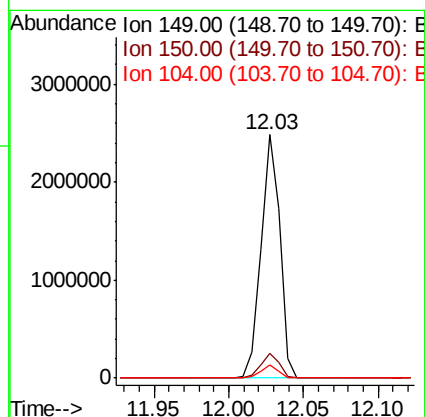
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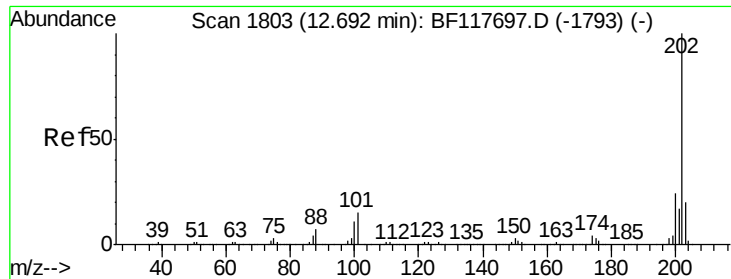
mohammad
 11/13/2019 6:48:26 PM



#74
 Di-n-butylphthalate
 Concen: 38.015 ng
 RT: 12.03 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: BF117760.D
 Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.2	12.4
104	5.3	4.4	6.6





#75

Fluoranthene

Concen: 37.484 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

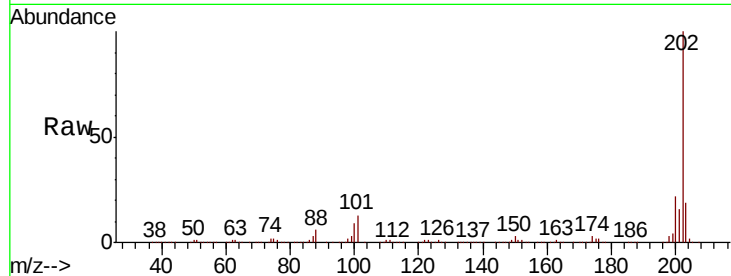
ClientSampleId :

TP-16B-SMSD

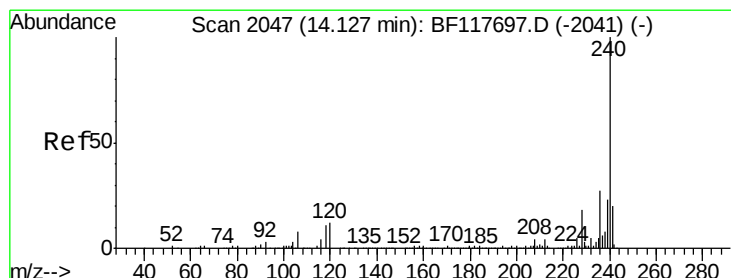
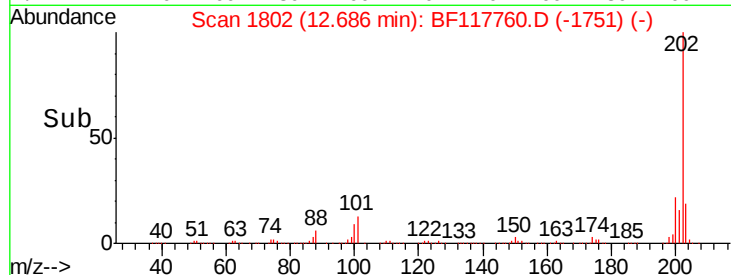
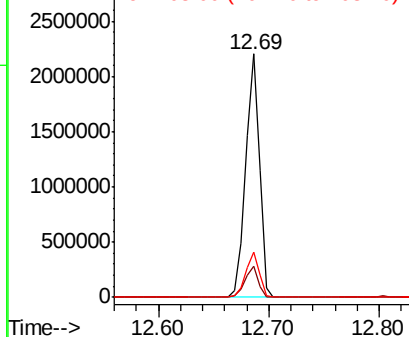
Tot Ion:	202	Resp:	1933312
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.5
203	18.5	0.0	38.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2045

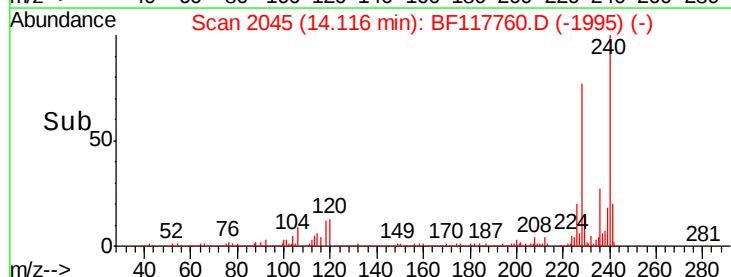
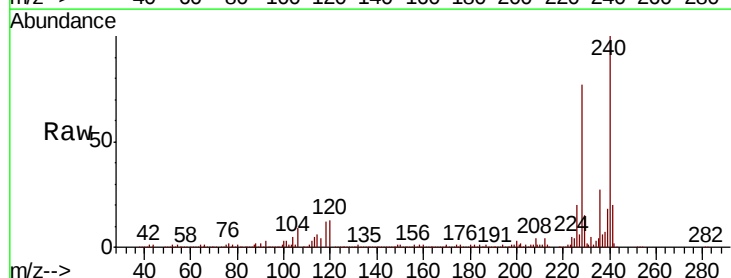
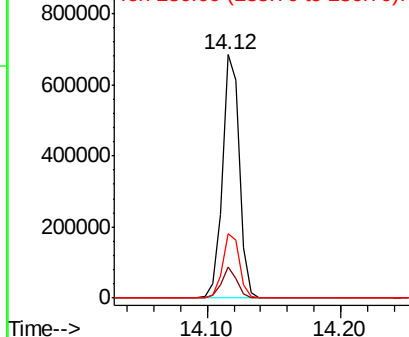
Delta R.T. -0.01 min

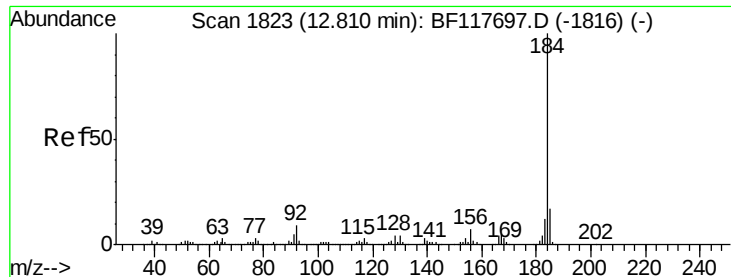
Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	240	Resp:	614955
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.3	13.9
236	26.6	21.4	32.0

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 54.131 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:184 Resp: 1157322

Ion Ratio Lower Upper

184 100

185 14.8 12.4 18.6

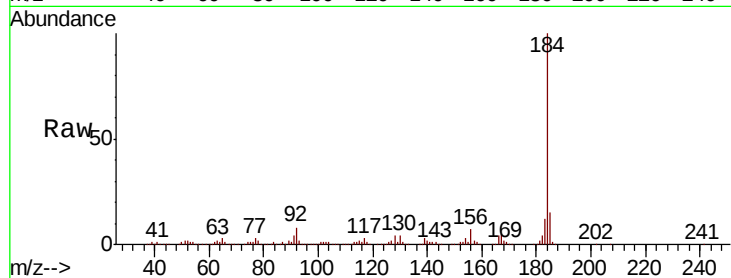
183 12.4 9.8 14.6

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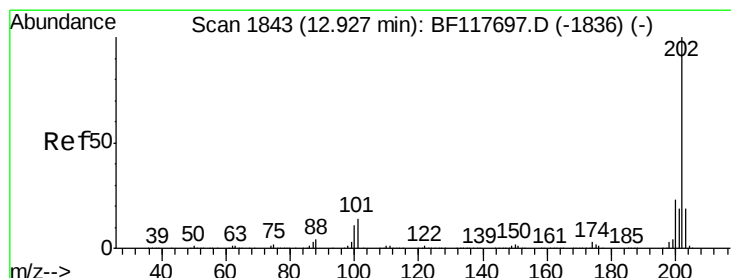
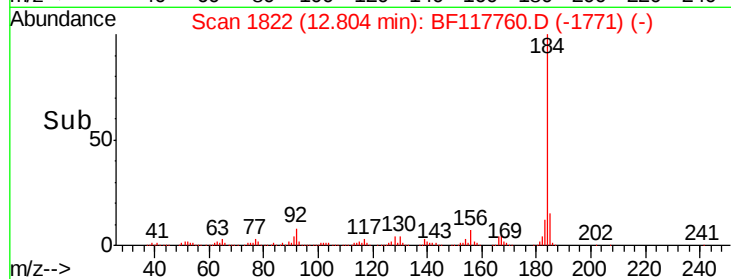
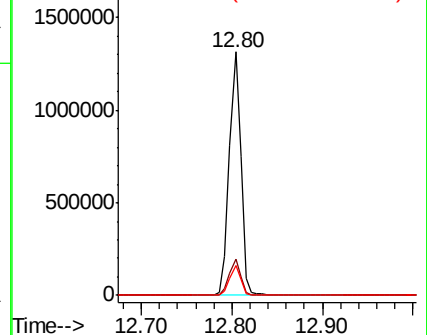
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.293 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

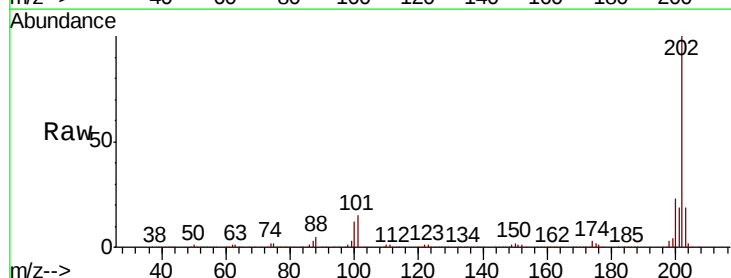
Tgt Ion:202 Resp: 1943493

Ion Ratio Lower Upper

202 100

200 22.8 18.9 28.3

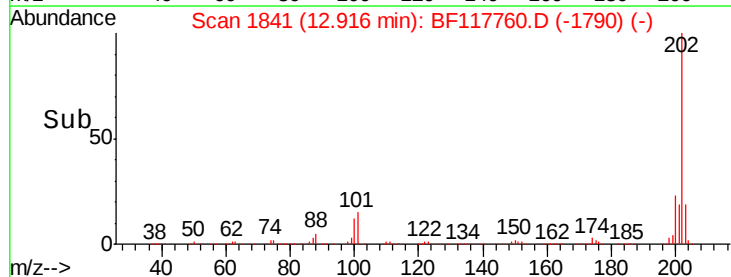
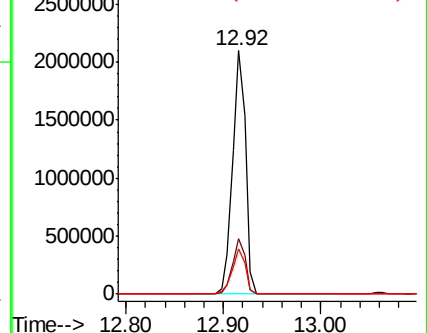
203 18.7 15.3 22.9

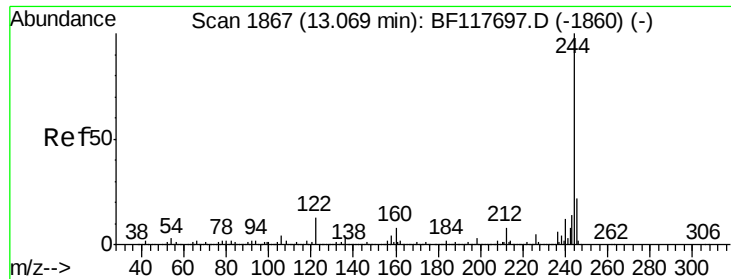


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





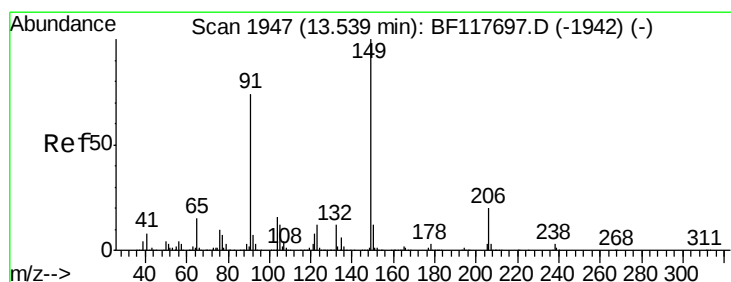
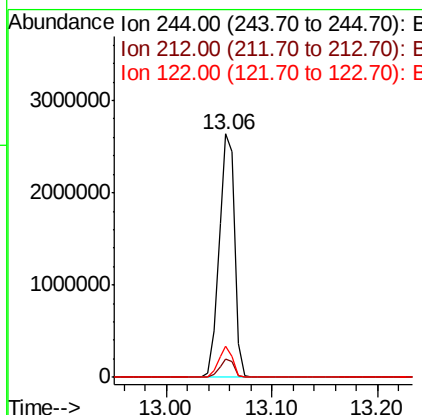
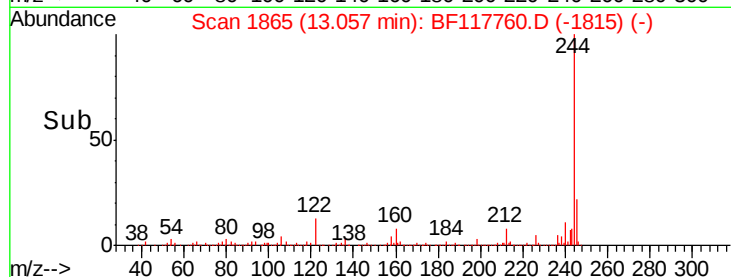
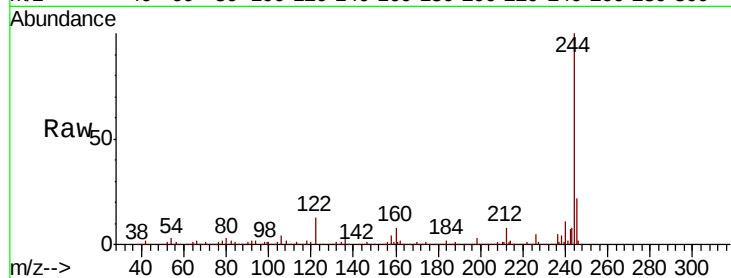
#79
 Terphenyl-d14
 Concen: 91.136 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF117760.D
 Acq: 12 Nov 2019 15:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-16B-SMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.4
122	12.6	9.1	13.7

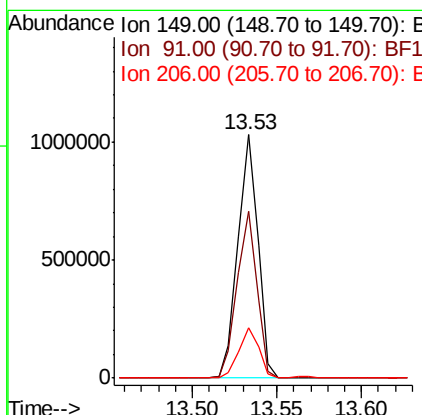
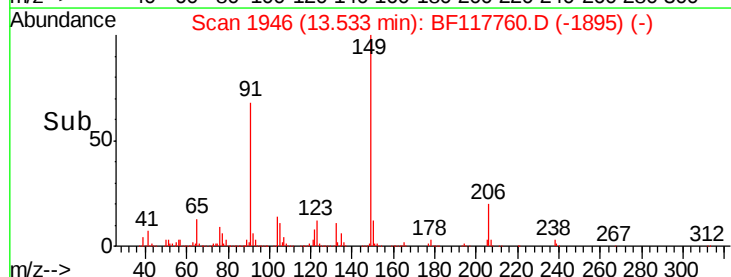
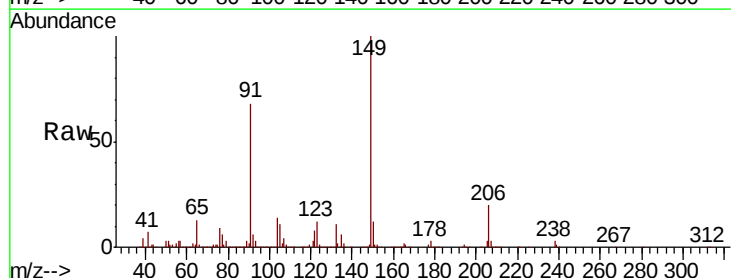
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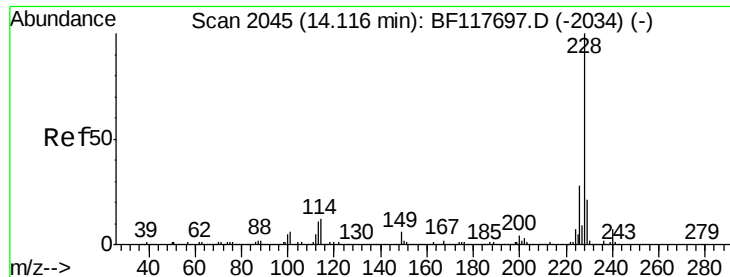
mohammad
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#80
 Butylbenzylphthalate
 Concen: 40.910 ng
 RT: 13.53 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BF117760.D
 Acq: 12 Nov 2019 15:35

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.3	55.7	83.5
206	20.5	16.1	24.1





#81

Benzo(a)anthracene

Concen: 39.500 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:228 Resp: 1512014

Ion Ratio Lower Upper

228 100

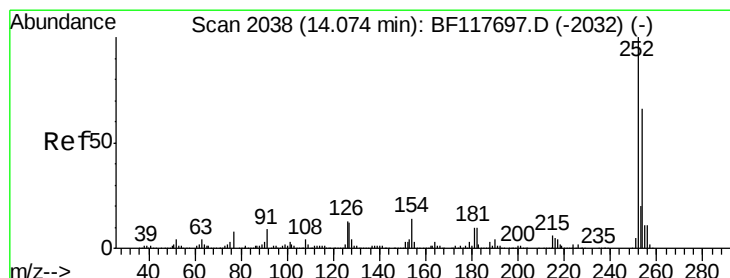
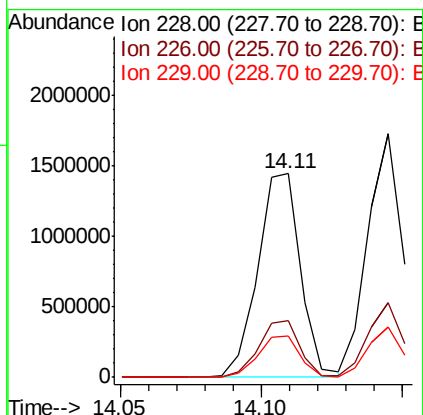
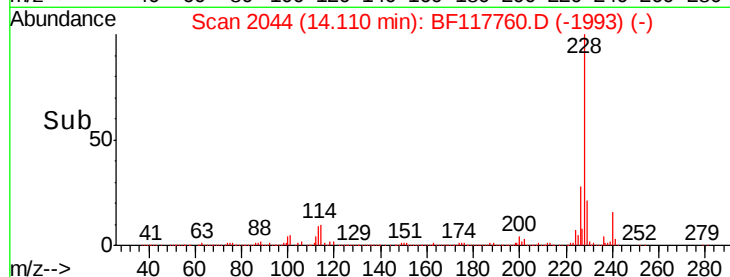
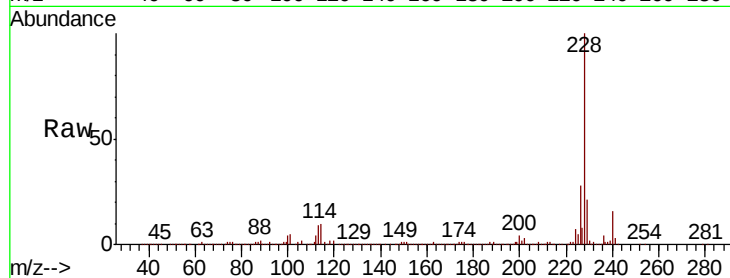
226 27.8 22.6 33.8

229 20.5 17.0 25.4

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#82

3,3'-Dichlorobenzidine

Concen: 28.385 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

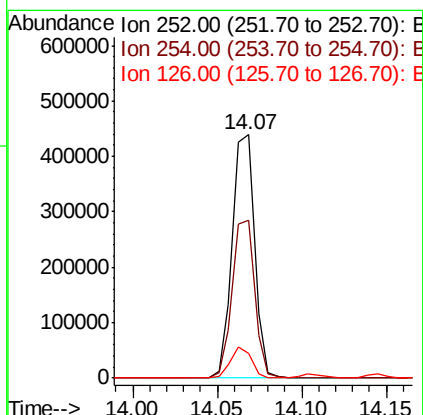
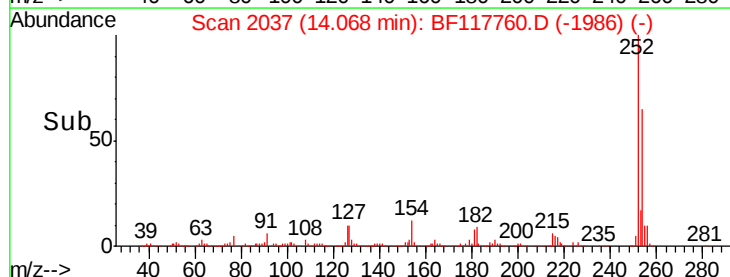
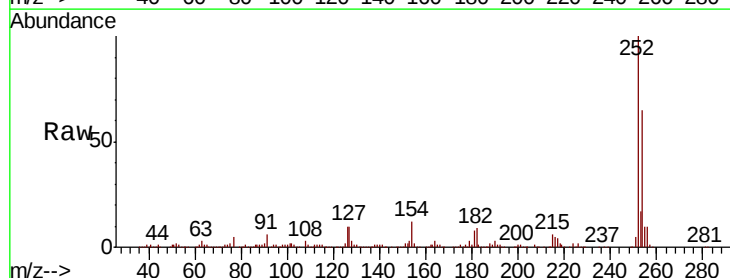
Tgt Ion:252 Resp: 405799

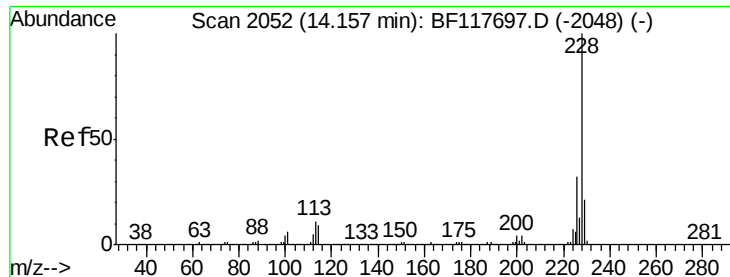
Ion Ratio Lower Upper

252 100

254 64.8 51.0 76.4

126 10.0 9.4 14.2





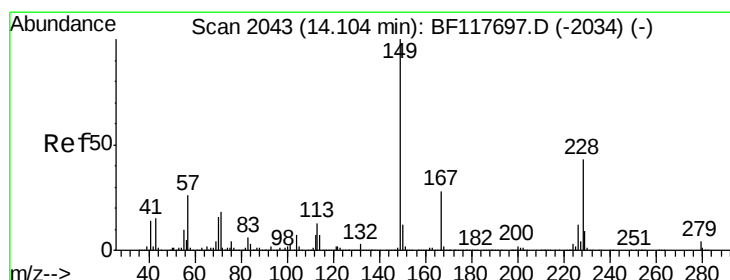
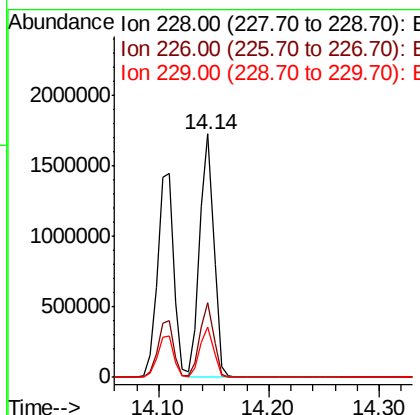
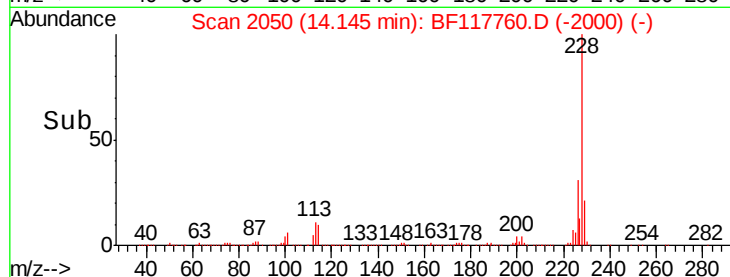
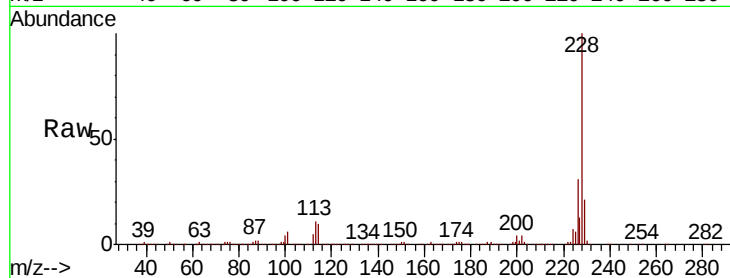
#83
Chrysene
Concen: 38.881 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Instrument :
BNA_F
ClientSampleId :
TP-16B-SMSD

Tot Ion:228 Resp: 1469760
Ion Ratio Lower Upper
228 100
226 30.9 25.1 37.7
229 20.6 16.6 25.0

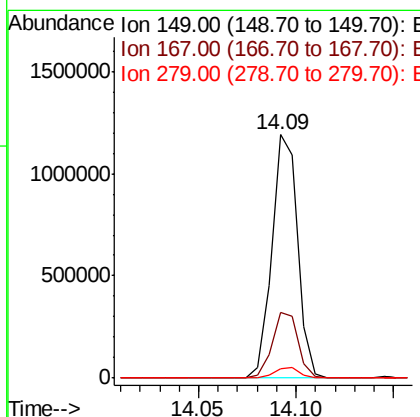
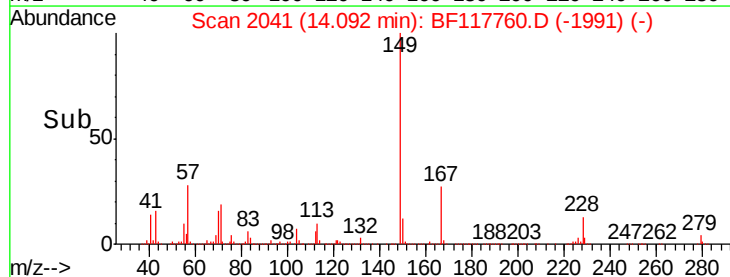
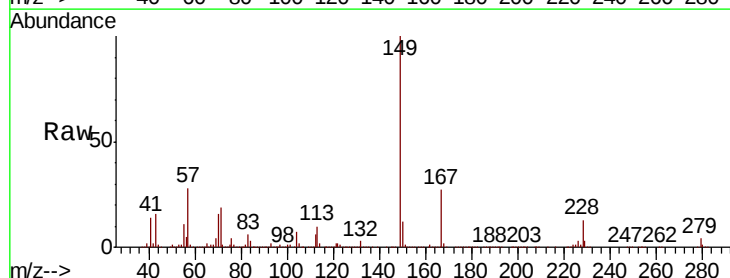
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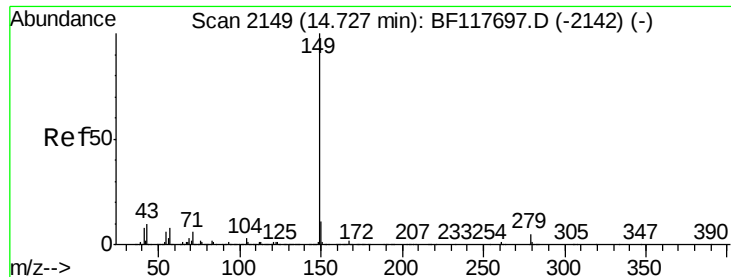
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.579 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF117760.D
Acq: 12 Nov 2019 15:35

Tgt Ion:149 Resp: 1085389
Ion Ratio Lower Upper
149 100
167 27.0 22.1 33.1
279 3.7 3.8 5.8#





#85

Di-n-octyl phthalate

Concen: 39.667 ng

RT: 14.71 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:149 Resp: 1669562

Ion Ratio Lower Upper

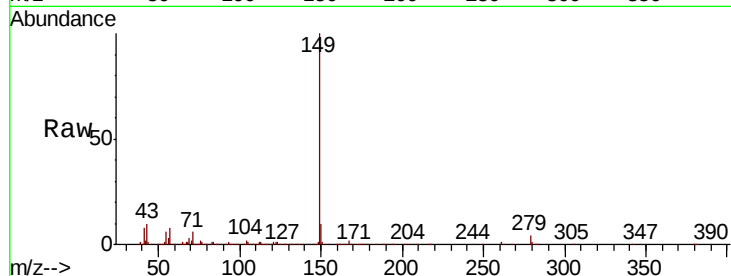
149 100

167 1.6 1.3 1.9

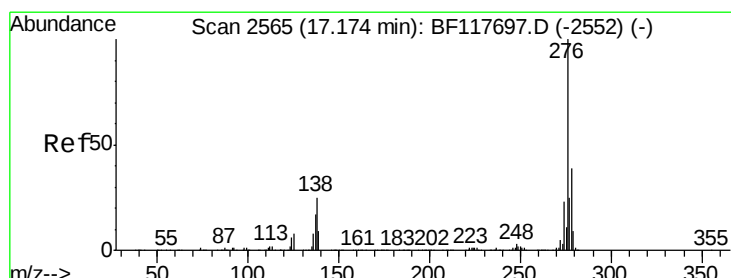
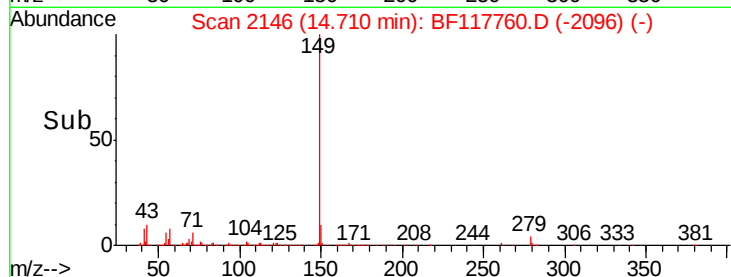
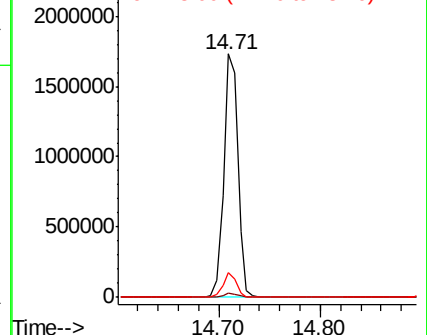
43 9.4 7.8 11.6

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.130 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

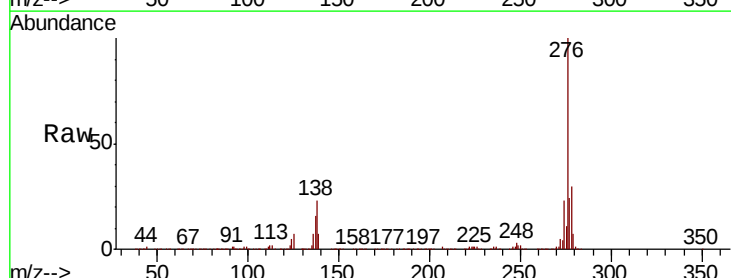
Tgt Ion:276 Resp: 1869315

Ion Ratio Lower Upper

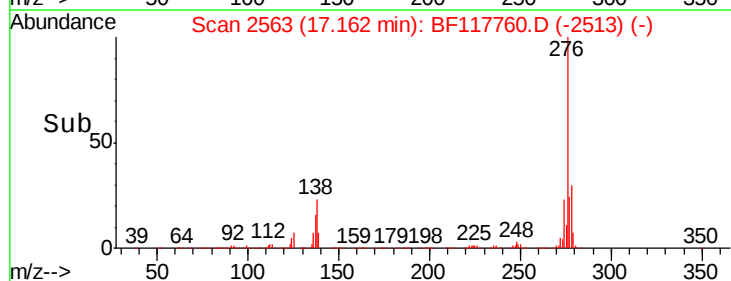
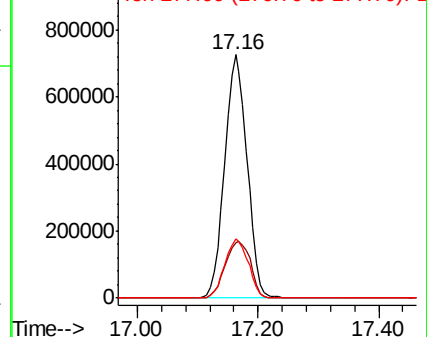
276 100

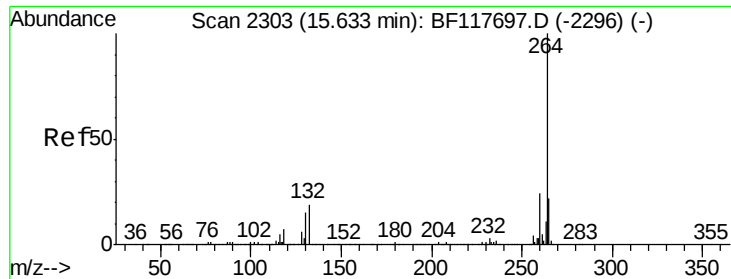
138 26.4 21.2 31.8

277 25.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

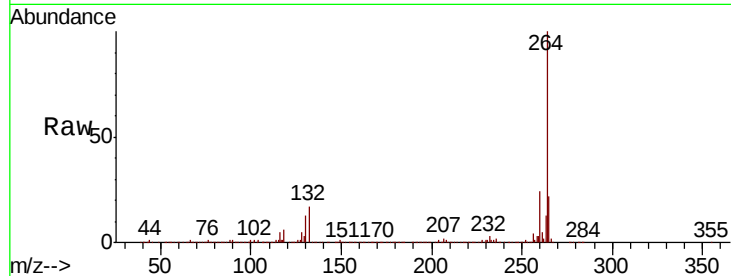
ClientSampleId :

TP-16B-SMSD

Tot Ion:	264	Resp:	669758
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.0	28.6
265	21.6	17.2	25.8

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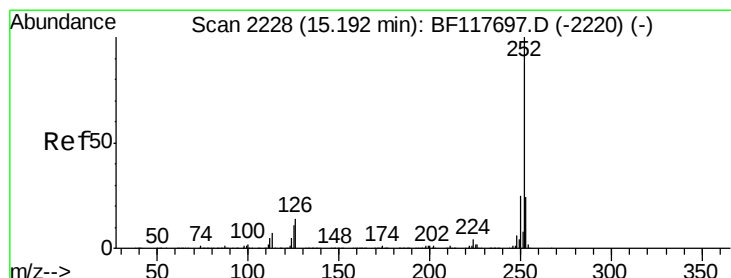
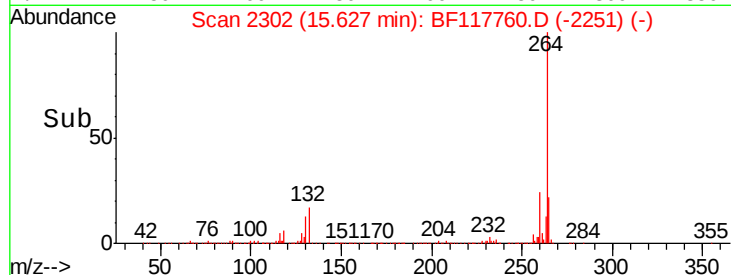
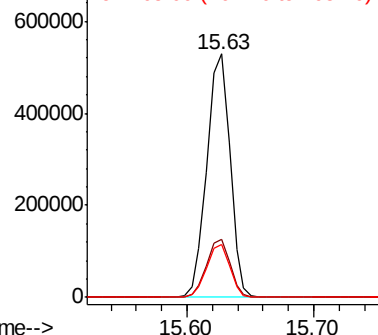


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 34.147 ng

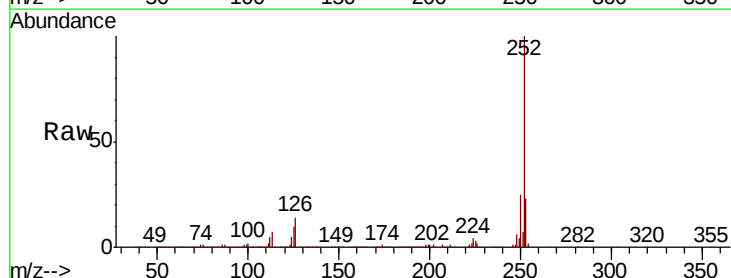
RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Tgt Ion:	252	Resp:	1440416
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.3	27.5
125	10.5	8.4	12.6

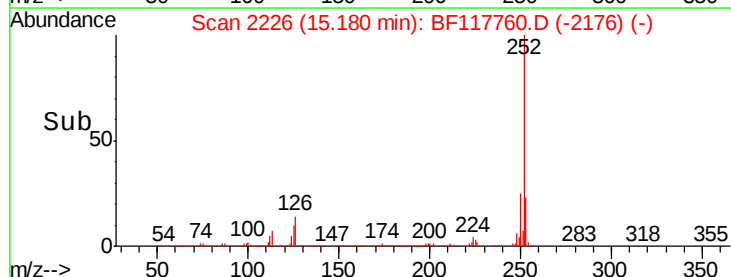
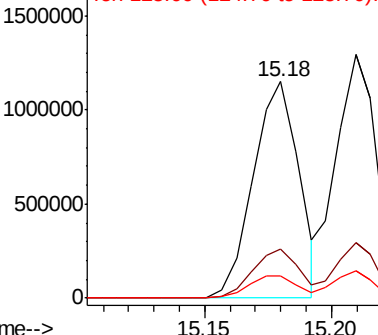


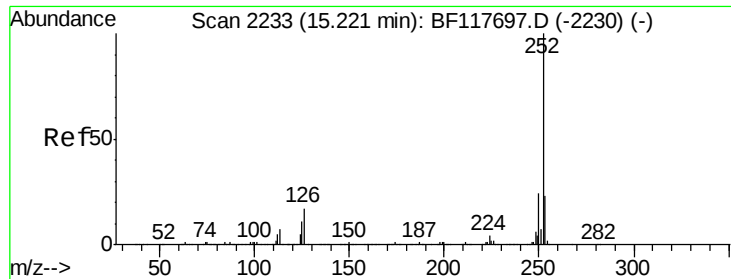
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 38.158 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:252 Resp: 1435595

Ion Ratio Lower Upper

252 100

253 23.0 18.6 28.0

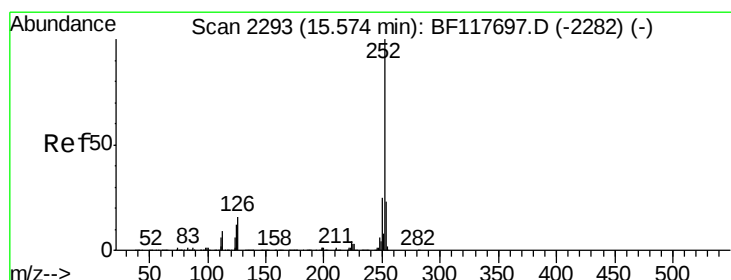
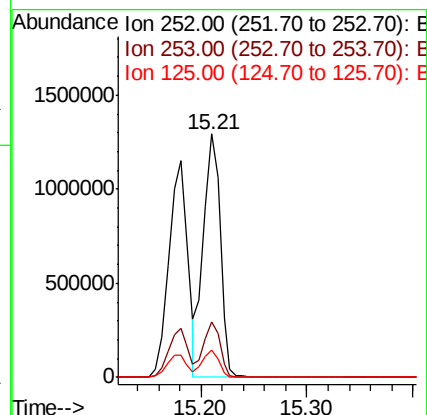
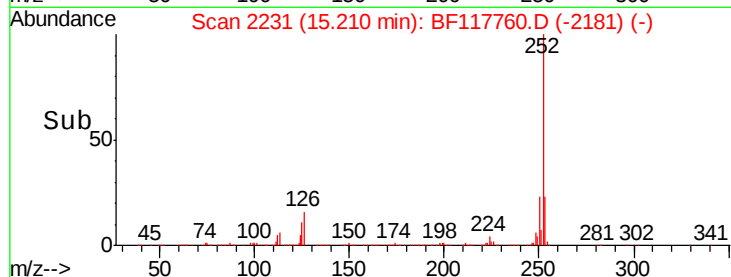
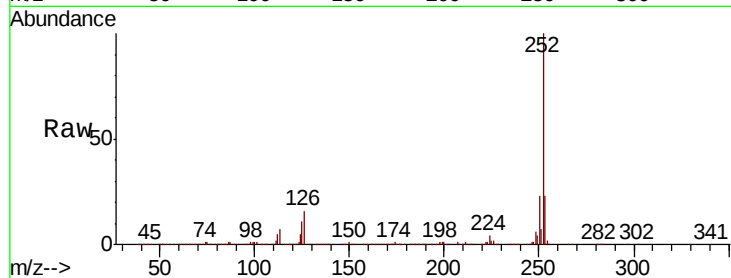
125 11.3 8.9 13.3

Manual Integrations

APPROVED

mohammad

11/13/2019 6:48:26 PM



#90

Benzo(a)pyrene

Concen: 37.284 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

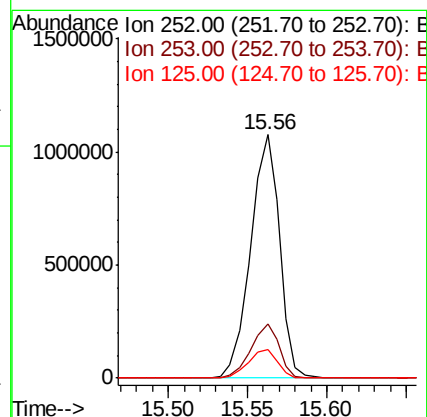
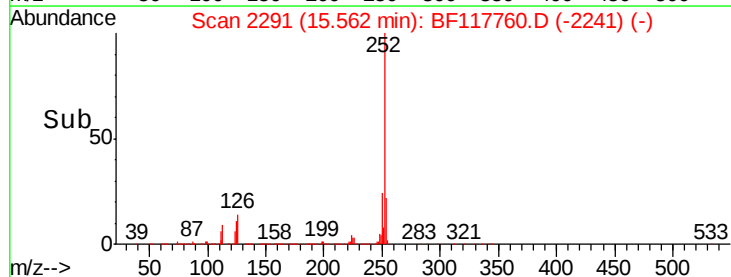
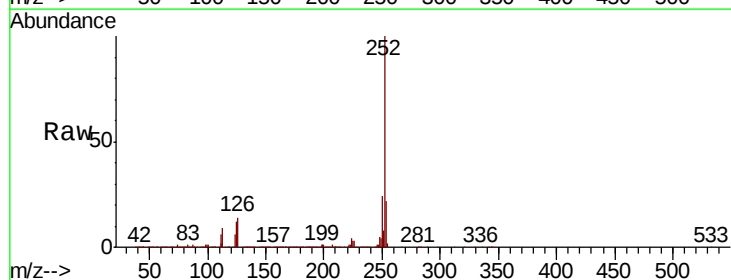
Tgt Ion:252 Resp: 1363351

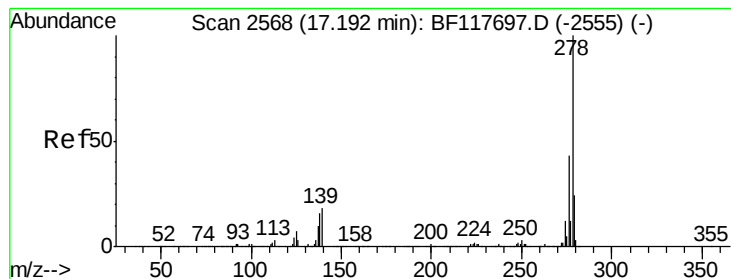
Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 11.5 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 47.237 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

Instrument :

BNA_F

ClientSampleId :

TP-16B-SMSD

Tot Ion:278 Resp: 1549149

Ion Ratio Lower Upper

278 100

139 16.1 13.8 20.6

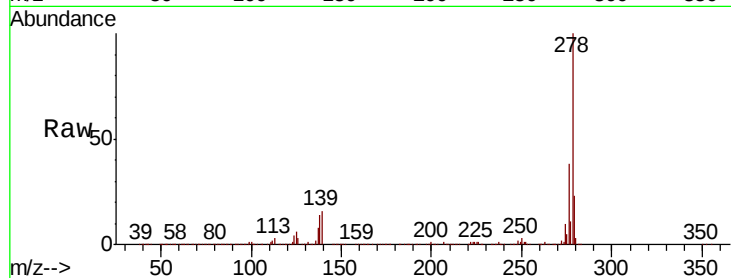
279 23.0 19.6 29.4

Manual Integrations

APPROVED

mohammad

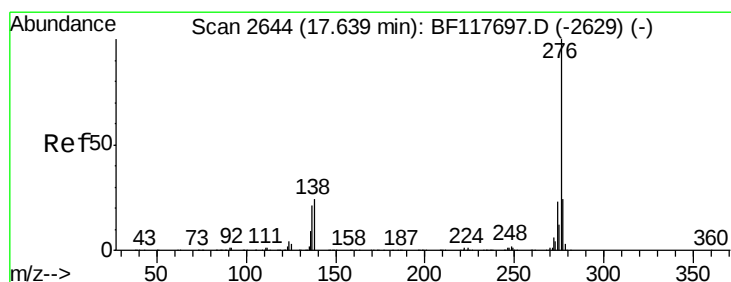
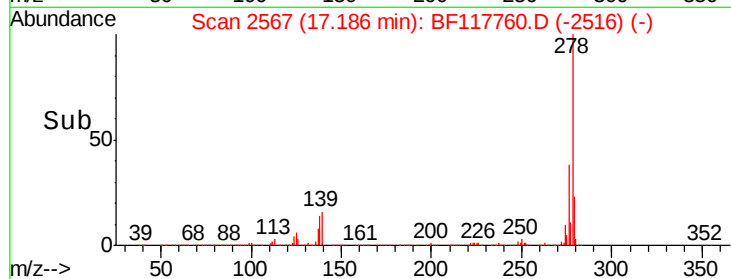
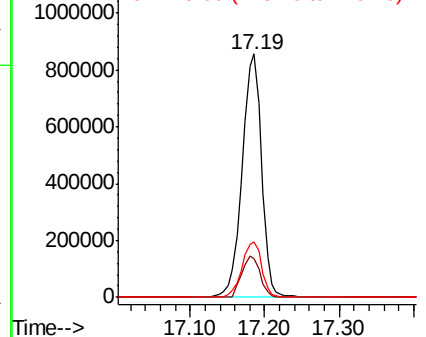
11/13/2019 6:48:26 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 50.292 ng

RT: 17.63 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BF117760.D

Acq: 12 Nov 2019 15:35

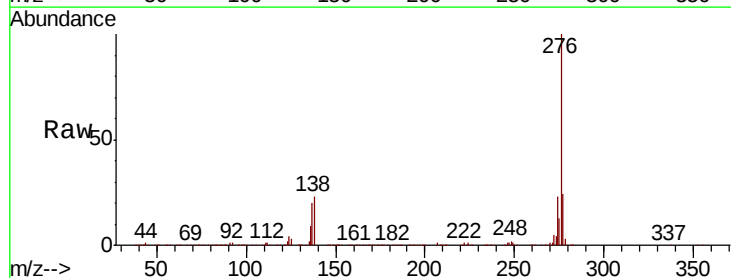
Tgt Ion:276 Resp: 1598438

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 23.1 18.6 27.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

