

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117736.D
 Acq On : 8 Nov 2019 17:36
 Operator : JU
 Sample : PB124647BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB124647BS

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:13 AM

Quant Time: Nov 09 03:08:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	349745	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1397620	20.00	ng	-0.01
39) Acenaphthene-d10	9.98	164	769706	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1485653	20.00	ng	0.00
76) Chrysene-d12	14.12	240	908249	20.00	ng	0.00
87) Perylene-d12	15.63	264	876459	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	2182485	112.96	ng	0.00
7) Phenol-d6	6.55	99	2051428	86.11	ng	0.00
23) Nitrobenzene-d5	7.50	82	2001940	84.57	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	990997	131.62	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	3467779	88.89	ng	0.00
79) Terphenyl-d14	13.06	244	4364338	98.92	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.78	88	288936	30.013	ng	100
3) Pyridine	3.55	79	499315	18.856	ng	98
4) n-Nitrosodimethylamine	3.49	42	393033	33.680	ng	98
6) Aniline	6.59	93	810268	24.234	ng	99
8) 2-Chlorophenol	6.72	128	1058276	49.236	ng	99
9) Benzaldehyde	6.48	77	666493	40.207	ng	98
10) Phenol	6.56	94	776408	30.245	ng	100
11) bis(2-Chloroethyl)ether	6.66	93	945859	44.620	ng	99
12) 1,3-Dichlorobenzene	6.87	146	1004502	40.317	ng	98
13) 1,4-Dichlorobenzene	6.95	146	1025286	41.110	ng	98
14) 1,2-Dichlorobenzene	7.10	146	955315	41.601	ng	98
15) Benzyl Alcohol	7.07	79	933230	49.129	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.20	45	1416638	42.267	ng	98
17) 2-Methylphenol	7.17	107	921764	49.933	ng	99
18) Hexachloroethane	7.45	117	357085	38.734	ng	94
19) n-Nitroso-di-n-propylamine	7.35	70	695969	44.429	ng	98
20) 3+4-Methylphenols	7.33	107	1024666	46.615	ng	94
22) Acetophenone	7.34	105	1353246	42.364	ng	# 99
24) Nitrobenzene	7.52	77	1078845	43.643	ng	98
25) Isophorone	7.76	82	1999148	44.153	ng	99
26) 2-Nitrophenol	7.83	139	560551	48.845	ng	98
27) 2,4-Dimethylphenol	7.86	122	988384	51.078	ng	96
28) bis(2-Chloroethoxy)methane	7.96	93	1227466	42.233	ng	99
29) 2,4-Dichlorophenol	8.07	162	928031	46.550	ng	99
30) 1,2,4-Trichlorobenzene	8.16	180	914091	40.053	ng	99
31) Naphthalene	8.24	128	2763483	43.259	ng	100
32) Benzoic acid	7.96	122	388809	25.383	ng	94
33) 4-Chloroaniline	8.28	127	404664	13.632	ng	98
34) Hexachlorobutadiene	8.36	225	492469	37.681	ng	99
35) Caprolactam	8.65	113	98444m	14.898	ng	
36) 4-Chloro-3-methylphenol	8.76	107	989467	49.185	ng	99
37) 2-Methylnaphthalene	8.93	142	1960632	45.082	ng	99
38) 1-Methylnaphthalene	9.03	142	1858729	45.006	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	852097	40.466	ng	99

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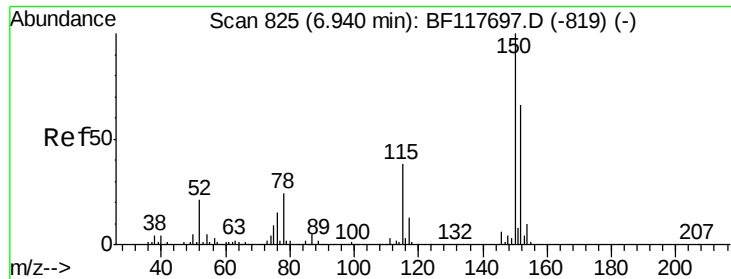
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.09	237	845310	74.411	nq	99
43) 2,4,6-Trichlorophenol	9.21	196	682682	44.514	nq	100
44) 2,4,5-Trichlorophenol	9.25	196	724756	46.622	nq	96
46) 1,1'-Biphenyl	9.40	154	2354852	43.684	nq	99
47) 2-Chloronaphthalene	9.43	162	1883556	42.104	nq	99
48) 2-Nitroaniline	9.52	65	616665	43.988	nq	98
49) Acenaphthylene	9.85	152	2909134	44.654	nq	100
50) Dimethylphthalate	9.70	163	2290569	44.020	nq	99
51) 2,6-Dinitrotoluene	9.76	165	537665	46.144	nq	97
52) Acenaphthene	10.02	154	1851591	44.044	nq	99
53) 3-Nitroaniline	9.93	138	332221	23.633	nq	95
54) 2,4-Dinitrophenol	10.03	184	270904	67.818	nq	# 74
55) Dibenzofuran	10.19	168	2617193	44.491	nq	99
56) 4-Nitrophenol	10.08	139	652517	61.723	nq	99
57) 2,4-Dinitrotoluene	10.16	165	725510	48.539	nq	90
58) Fluorene	10.53	166	1917289	44.223	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.30	232	590891	45.726	nq	100
60) Diethylphthalate	10.40	149	2283681	44.626	nq	99
61) 4-Chlorophenyl-phenylether	10.52	204	993408	44.017	nq	99
62) 4-Nitroaniline	10.55	138	608011	43.945	nq	99
63) Azobenzene	10.69	77	2155709	44.477	nq	95
65) 4,6-Dinitro-2-methylphenol	10.57	198	219039	36.923	nq	86
66) n-Nitrosodiphenylamine	10.64	169	1864547	42.493	nq	100
67) 4-Bromophenyl-phenylether	11.02	248	679230	41.863	nq	98
68) Hexachlorobenzene	11.08	284	766940	40.918	nq	97
69) Atrazine	11.17	200	699937	48.407	nq	100
70) Pentachlorophenol	11.27	266	707695	67.541	nq	98
71) Phenanthrene	11.50	178	2989708	41.984	nq	99
72) Anthracene	11.55	178	3050437	43.057	nq	97
73) Carbazole	11.70	167	2815414	43.472	nq	99
74) Di-n-butylphthalate	12.03	149	3423452	43.472	nq	99
75) Fluoranthene	12.69	202	3153576	43.371	nq	97
77) Benzidine	12.80	184	612160	19.386	nq	96
78) Pyrene	12.92	202	3188002	48.083	nq	99
80) Butylbenzylphthalate	13.53	149	1541032	50.320	nq	99
81) Benzo(a)anthracene	14.11	228	2440664	43.171	nq	99
82) 3,3'-Dichlorobenzidine	14.07	252	605254	28.665	nq	97
83) Chrysene	14.15	228	2414941	43.255	nq	100
84) Bis(2-ethylhexyl)phthalate	14.10	149	2032153	51.442	nq	98
85) Di-n-octyl phthalate	14.72	149	3290733	52.936	nq	99
86) Indeno(1,2,3-cd)pyrene	17.16	276	2534211	48.768	nq	99
88) Benzo(b)fluoranthene	15.18	252	2315558	41.948	nq	98
89) Benzo(k)fluoranthene	15.22	252	2112451	42.907	nq	99
90) Benzo(a)pyrene	15.56	252	1998641	41.767	nq	99
91) Dibenzo(a,h)anthracene	17.19	278	2079437	48.453	nq	98
92) Benzo(g,h,i)perylene	17.63	276	2111239	50.761	nq	99

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



#1

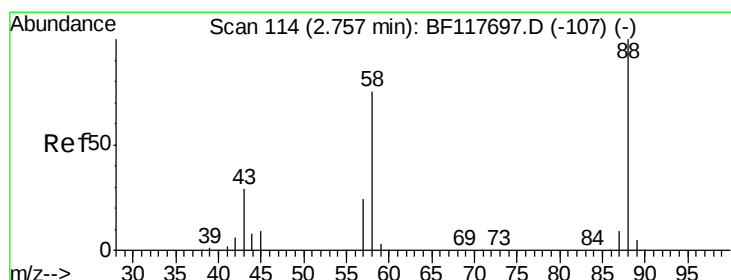
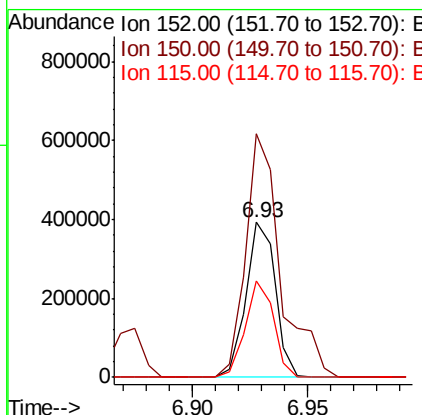
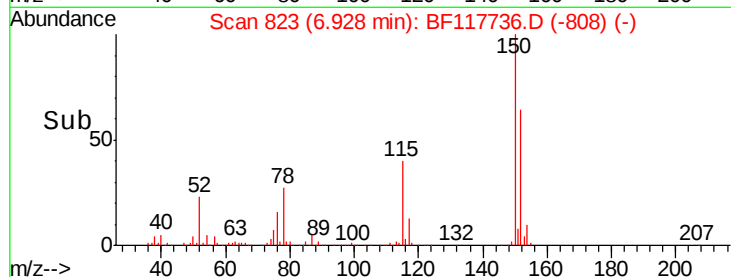
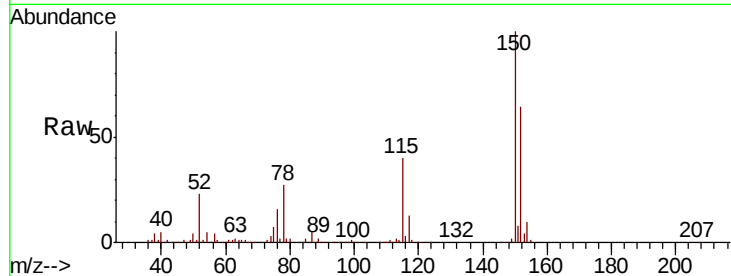
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	121.4	182.2
115	62.1	46.7	70.1

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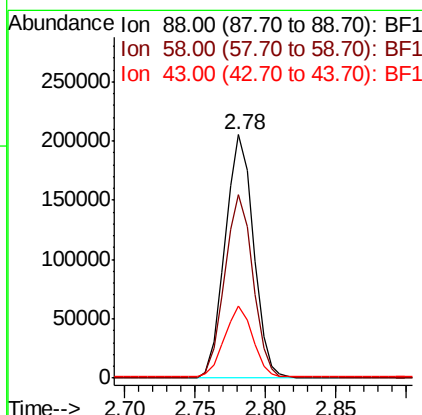
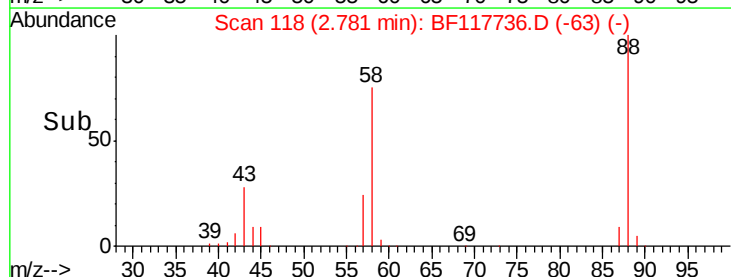
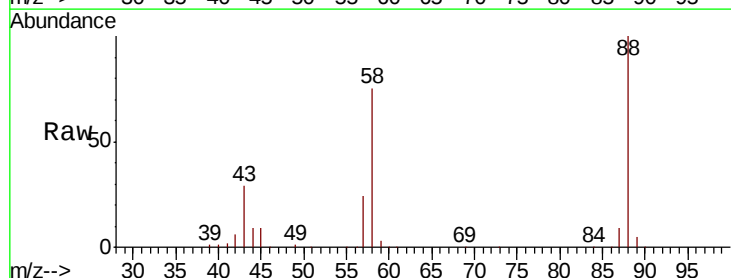
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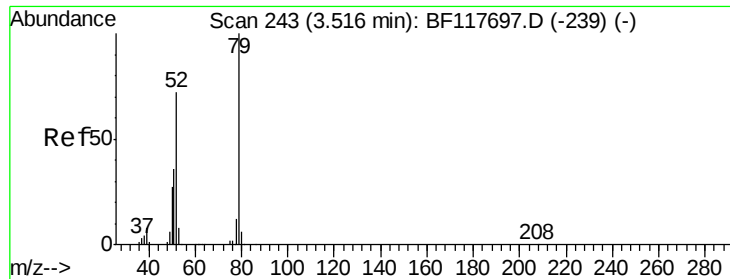


#2

1,4-Dioxane
Concen: 30.013 ng
RT: 2.78 min Scan# 118
Delta R.T. 0.02 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.1	60.1	90.1
43	29.2	24.0	36.0





#3

Pvridine

Concen: 18.856 ng

RT: 3.55 min Scan# 248

Delta R.T. 0.03 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

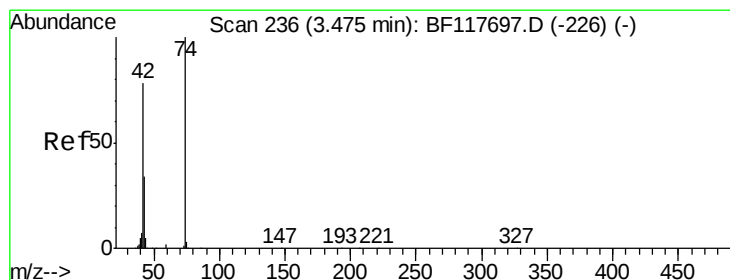
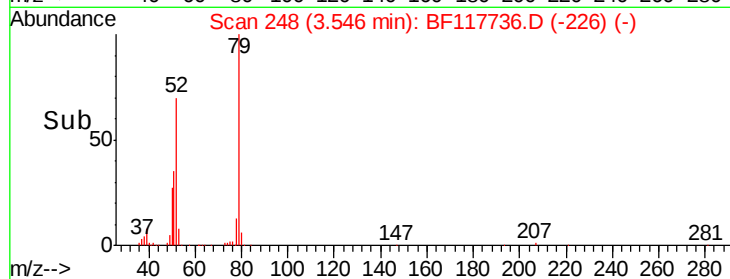
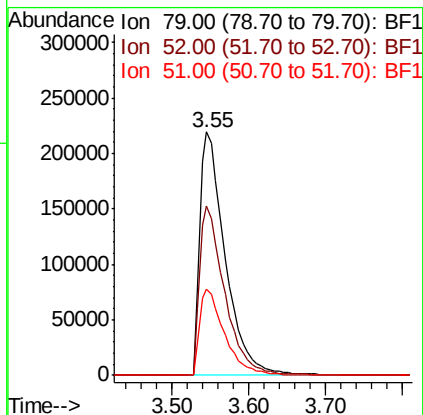
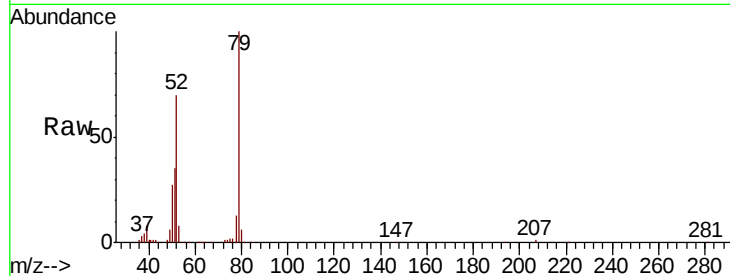
ClientSampleId :

PB124647BS

Tot Ion:	79	Resp:	499315
Ion Ratio	Lower	Upper	
79	100		
52	69.5	57.2	85.8
51	35.4	28.6	42.8

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#4

n-Nitrosodimethylamine

Concen: 33.680 ng

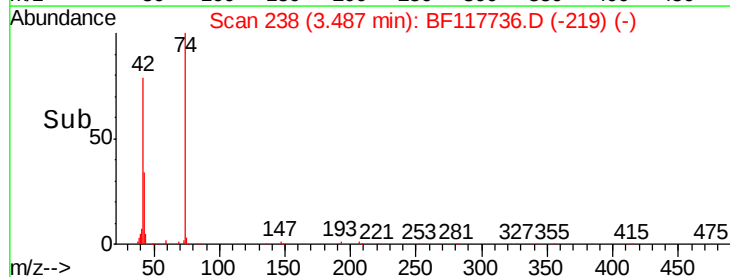
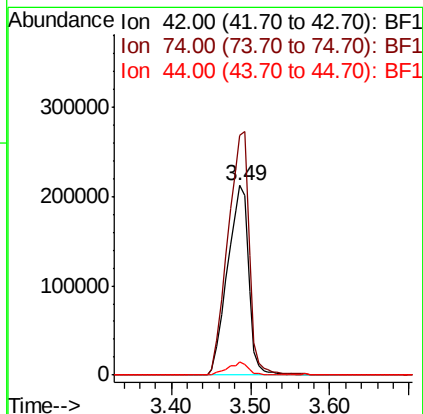
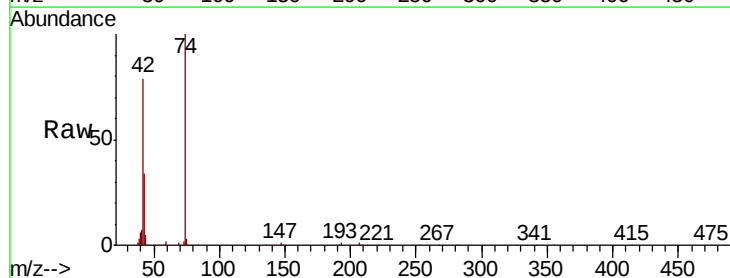
RT: 3.49 min Scan# 238

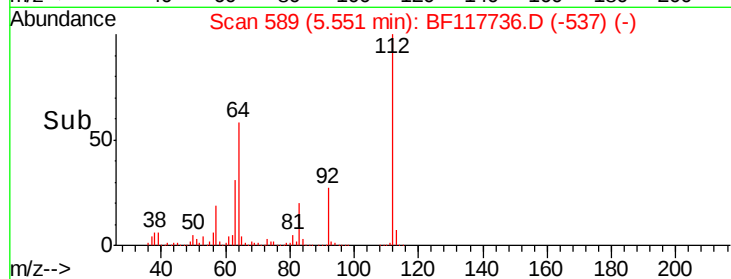
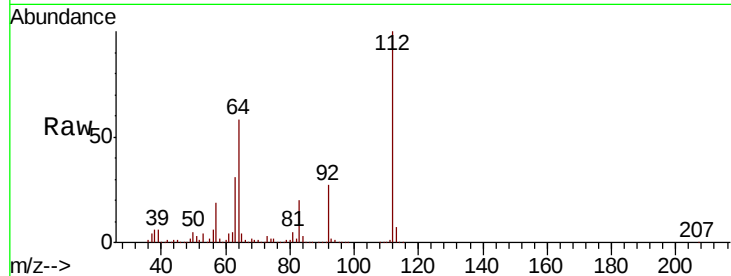
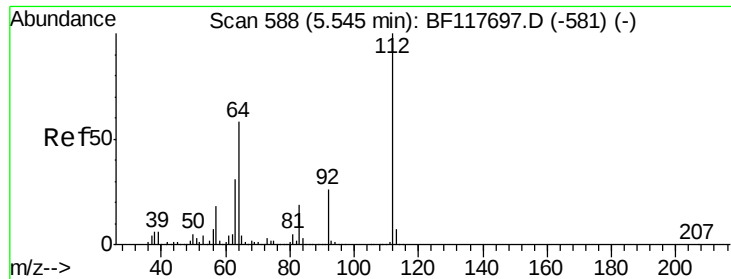
Delta R.T. 0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tgt Ion:	42	Resp:	393033
Ion Ratio	Lower	Upper	
42	100		
74	127.0	103.1	154.7
44	6.7	5.0	7.6





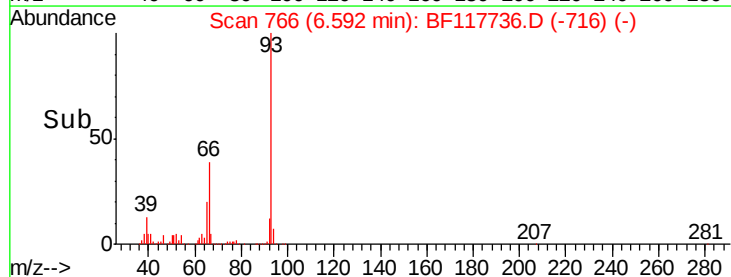
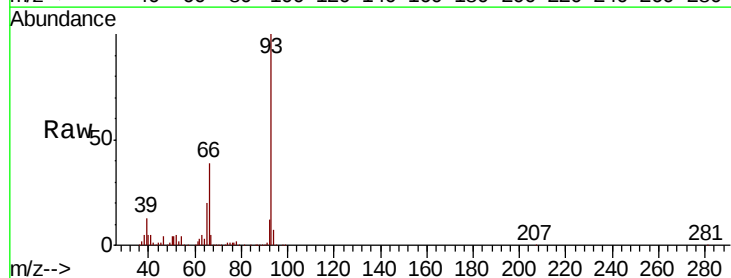
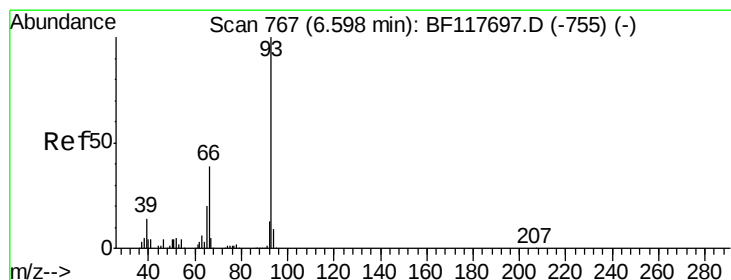
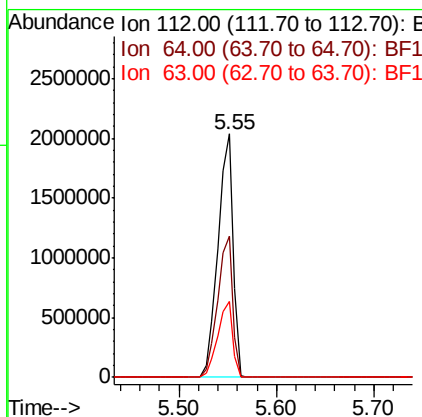
#5
2-Fluorophenol
Concen: 112.957 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tot Ion	Ratio	Resp	Lower	Upper
112	100	2182485		
64	58.0		46.4	69.6
63	31.1		24.6	37.0

Instrument :
BNA_F
ClientSampleId :
PB124647BS

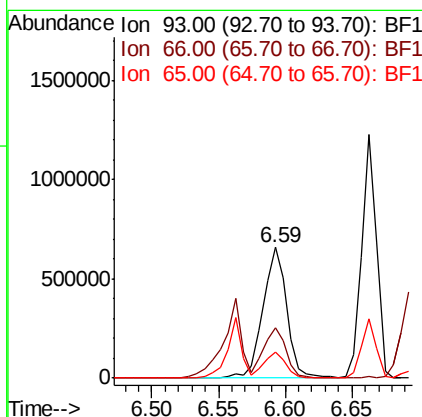
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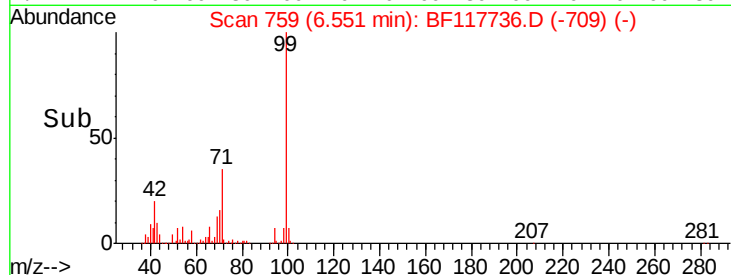
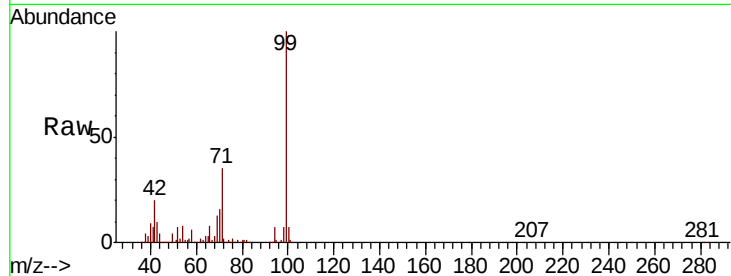
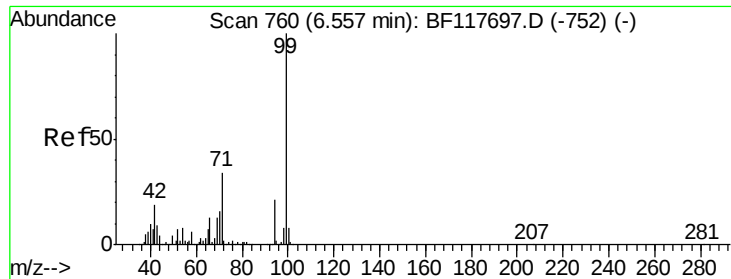
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#6
Aniline
Concen: 24.234 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	810268		
66	38.9		31.7	47.5
65	19.6		15.8	23.8





#7

Phenol-d6

Concen: 86.109 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tot Ion: 99 Resp: 2051428

Ion Ratio Lower Upper

99 100

42 19.7 15.3 22.9

71 35.0 26.8 40.2

Instrument :

BNA_F

ClientSampleId :

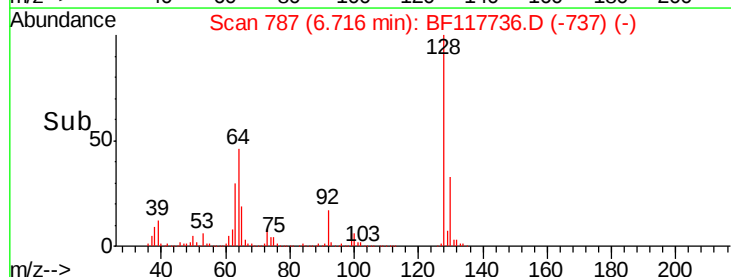
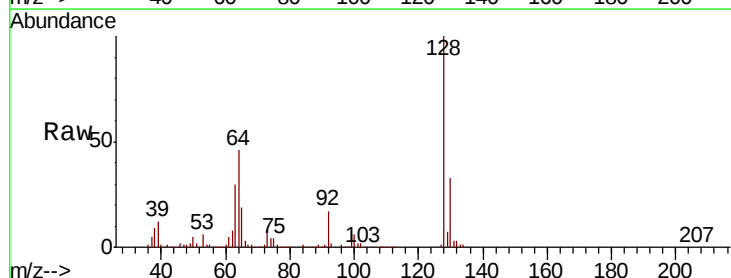
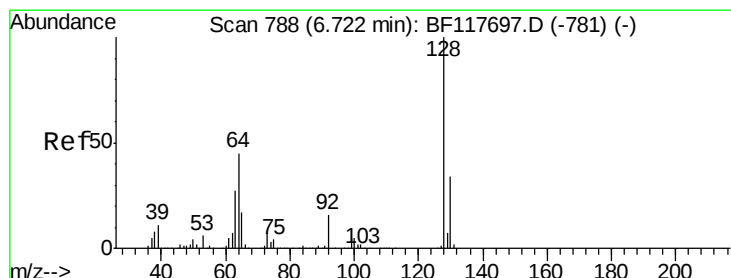
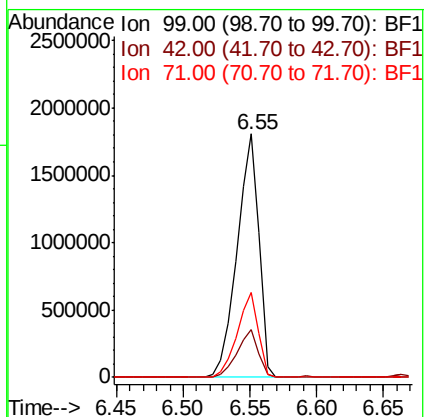
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#8

2-Chlorophenol

Concen: 49.236 ng

RT: 6.72 min Scan# 787

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

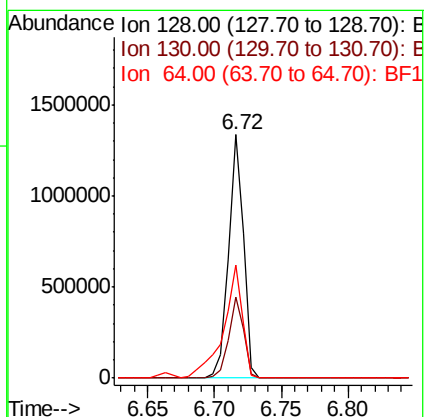
Tgt Ion:128 Resp: 1058276

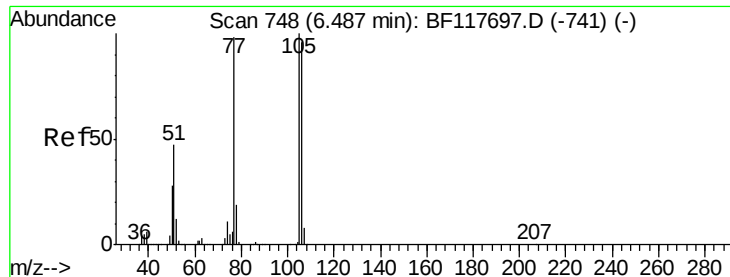
Ion Ratio Lower Upper

128 100

130 33.2 13.6 53.6

64 46.3 25.2 65.2





#9

Benzaldehyde

Concen: 40.207 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

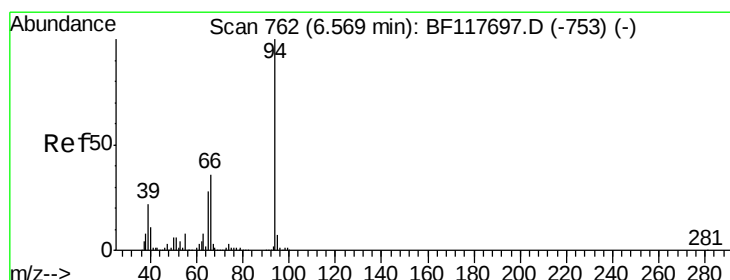
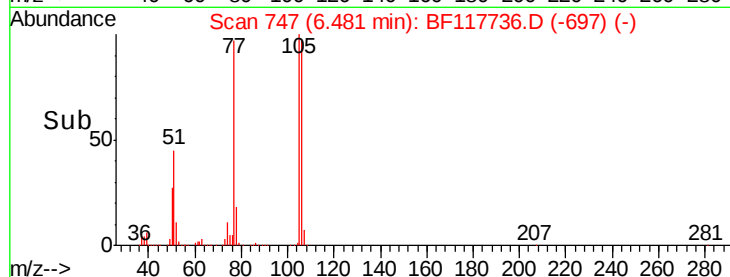
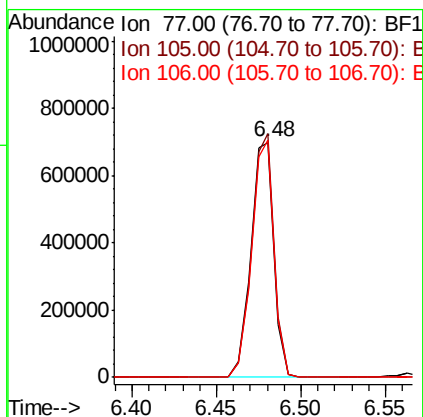
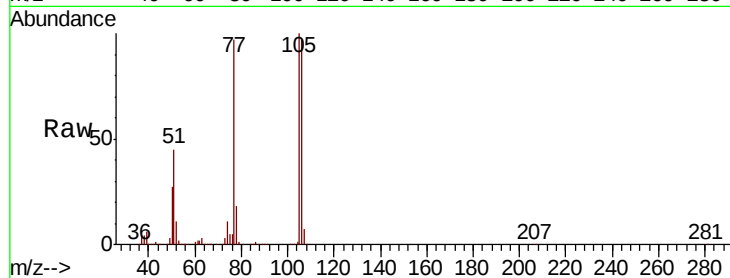
ClientSampleId :

PB124647BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	103.6	82.3	122.3
106	100.7	78.0	118.0

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#10

Phenol

Concen: 30.245 ng

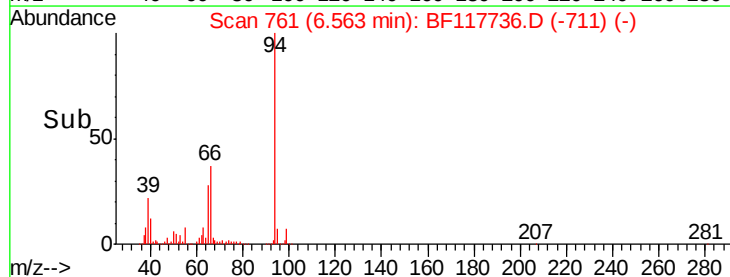
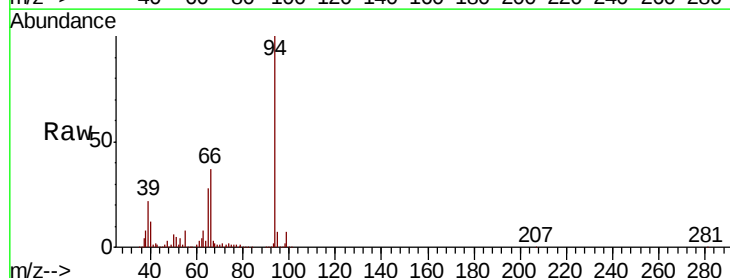
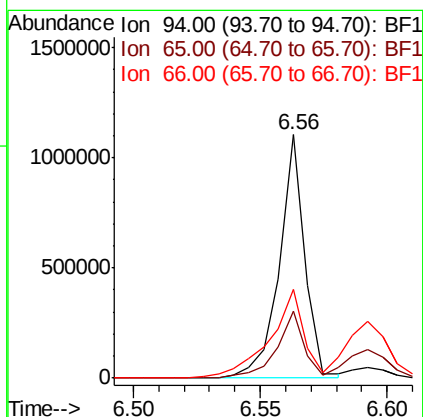
RT: 6.56 min Scan# 761

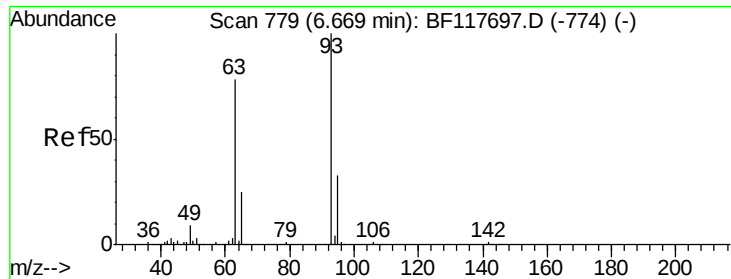
Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.7	7.6	47.6
66	36.5	16.1	56.1





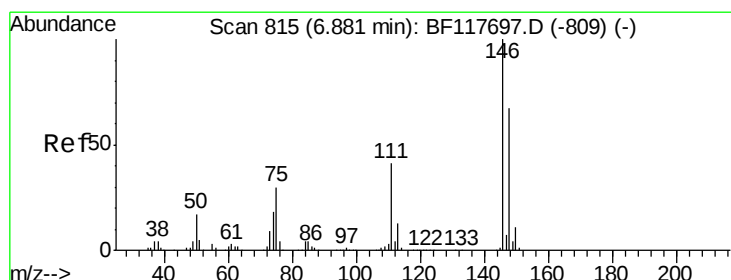
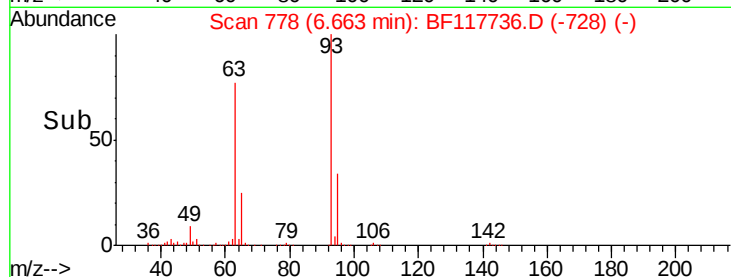
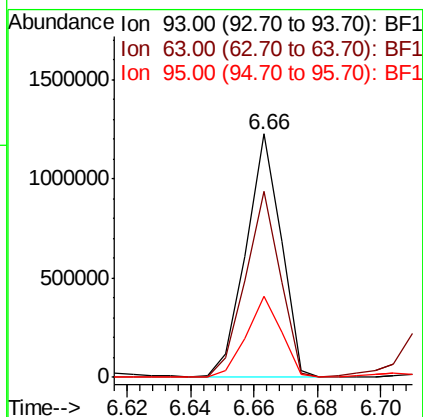
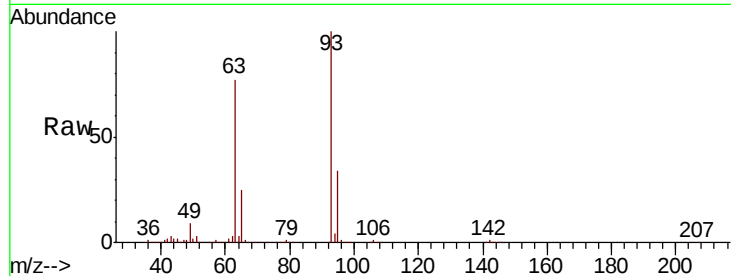
#11
bis(2-Chloroethyl)ether
Concen: 44.620 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	945859		
63	76.6		57.6	97.6
95	33.5		12.7	52.7

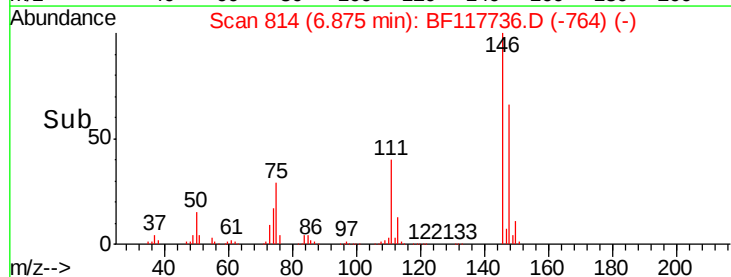
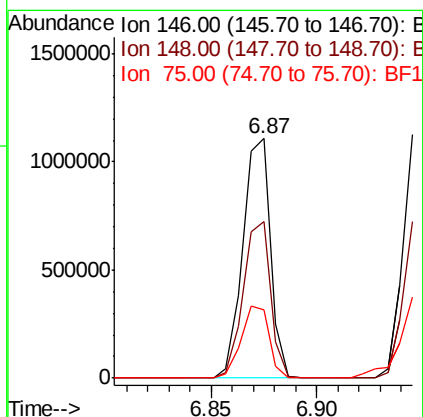
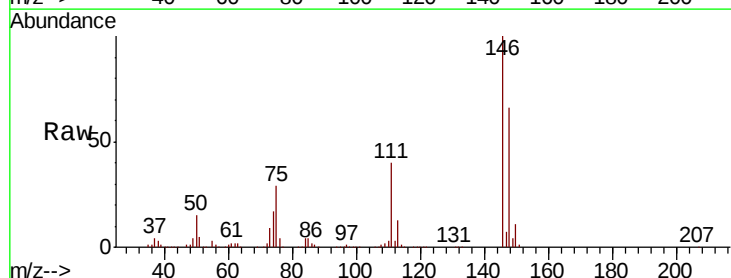
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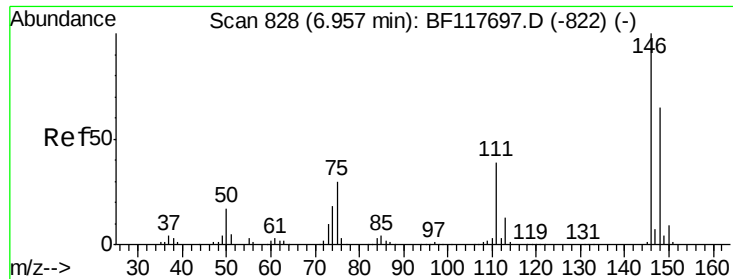
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#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1004502		
148	65.6		53.4	80.2
75	28.7		24.0	36.0





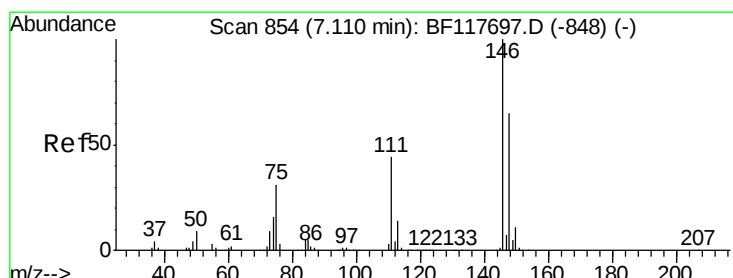
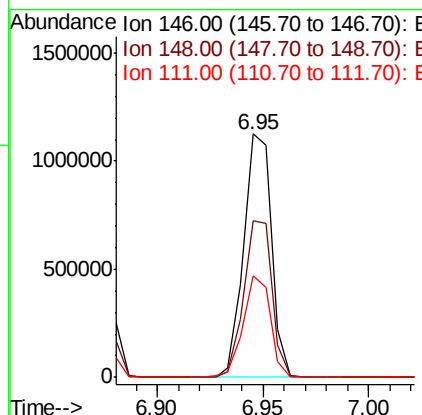
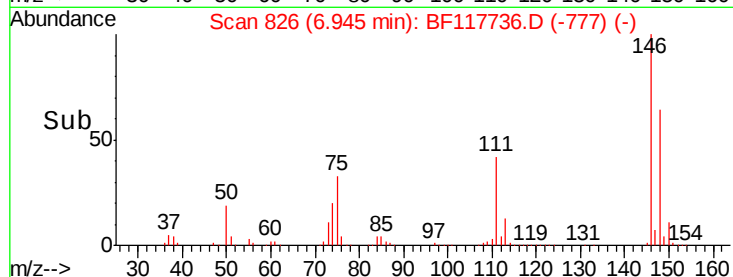
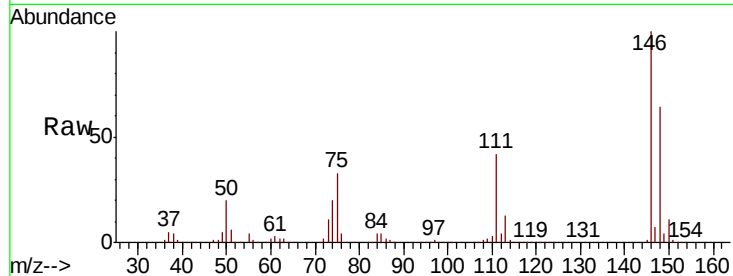
#13
1,4-Dichlorobenzene
Concen: 41.110 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion:146 Resp: 1025286
Ion Ratio Lower Upper
146 100
148 64.4 51.9 77.9
111 41.6 31.6 47.4

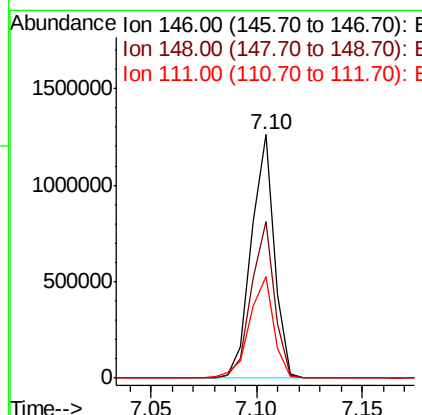
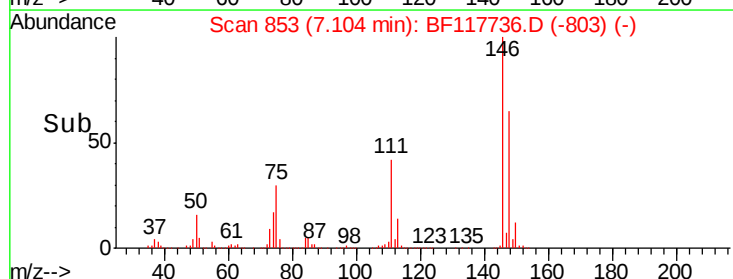
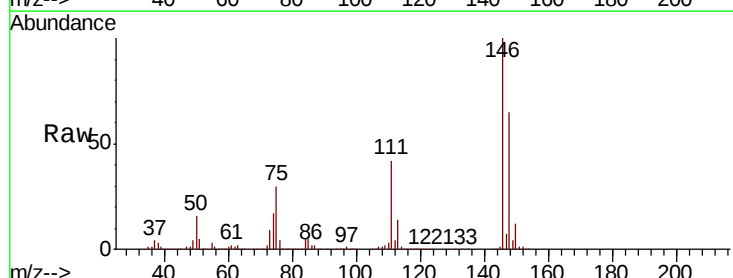
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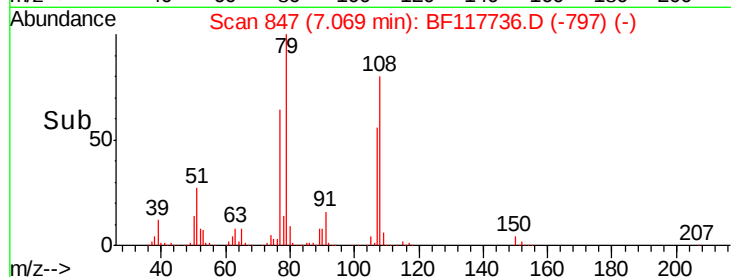
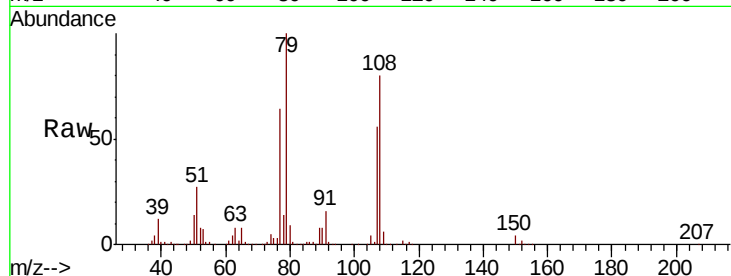
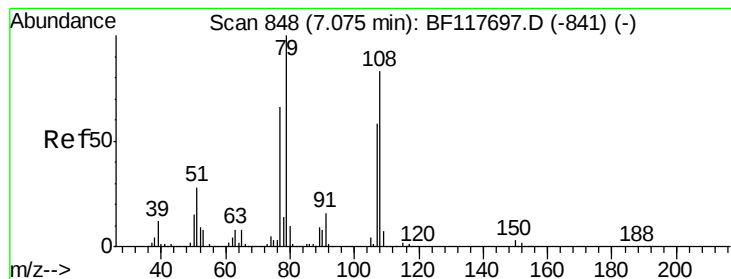
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#14
1,2-Dichlorobenzene
Concen: 41.601 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion:146 Resp: 955315
Ion Ratio Lower Upper
146 100
148 64.6 52.1 78.1
111 41.6 35.1 52.7





#15

Benzyl Alcohol

Concen: 49.129 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tot Ion:	79	Resp:	933230
Ion Ratio	Lower	Upper	
79	100		
108	79.9	66.5	99.7
77	63.5	52.9	79.3

Instrument :

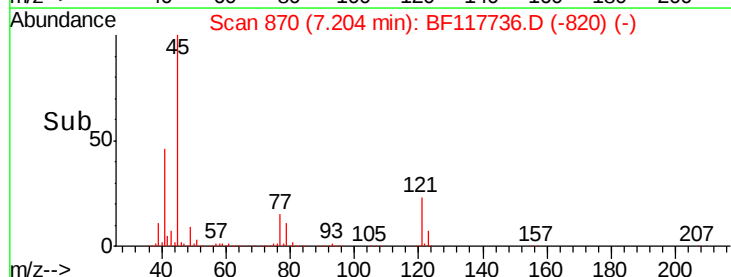
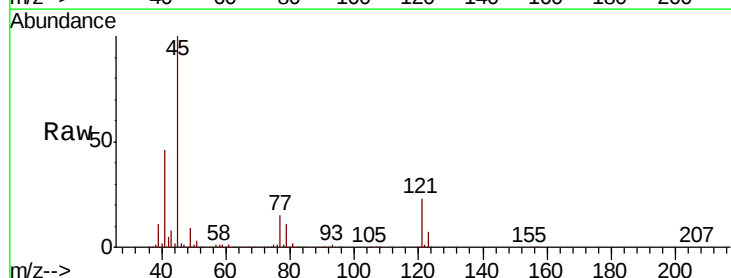
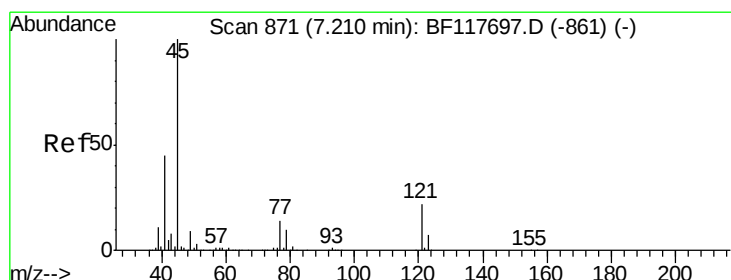
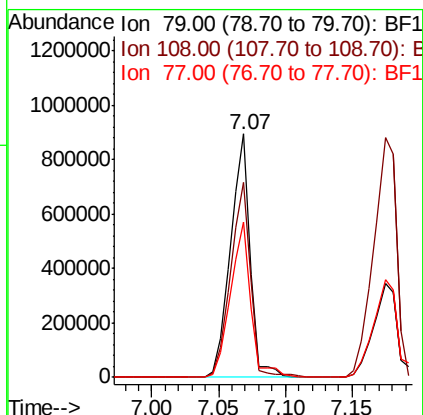
BNA_F

ClientSampleId :

PB124647BS

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.267 ng

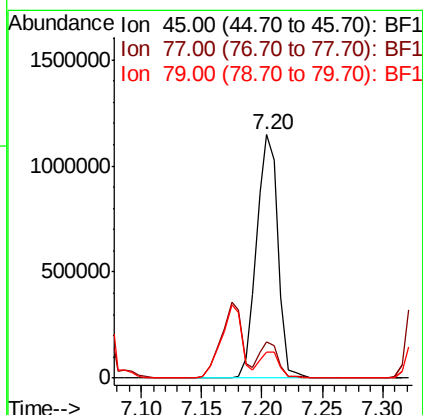
RT: 7.20 min Scan# 870

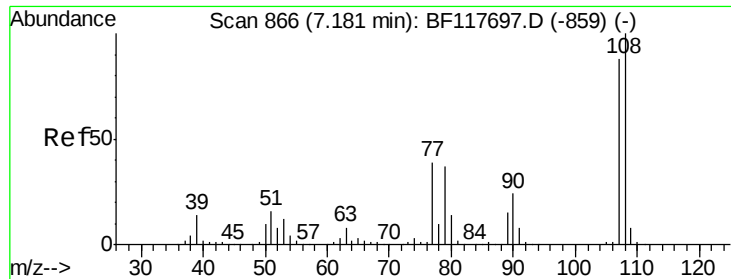
Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tgt Ion:	45	Resp:	1416638
Ion Ratio	Lower	Upper	
45	100		
77	14.7	0.0	33.8
79	10.9	0.0	30.5





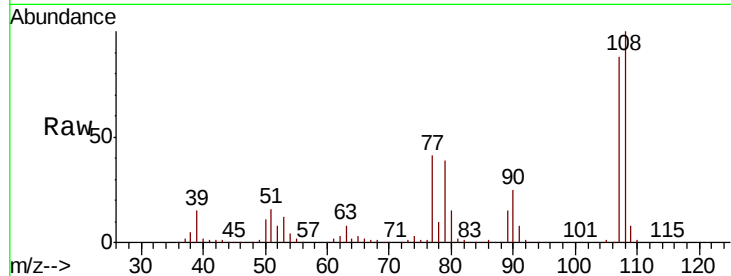
#17
2-Methylphenol
Concen: 49.933 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

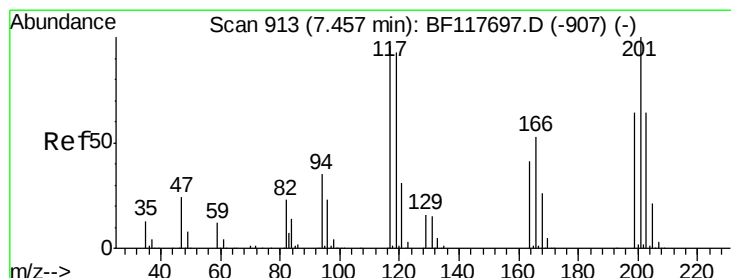
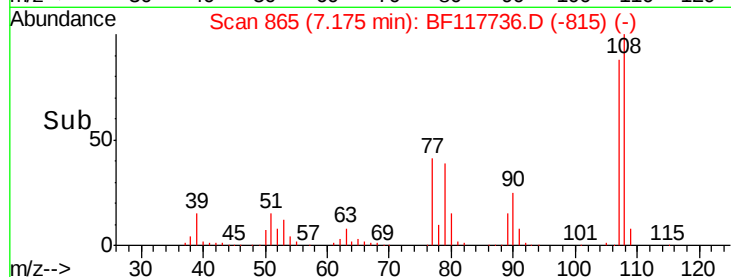
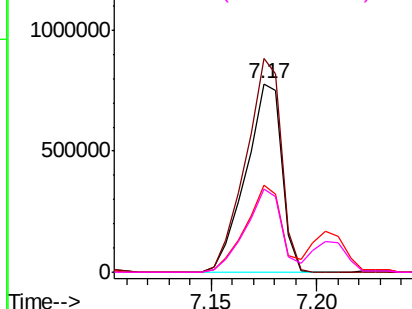
Tot Ion:	107	Resp:	921764
Ion Ratio	Lower	Upper	
107	100		
108	113.3	91.1	136.7
77	46.0	35.8	53.8
79	44.4	34.1	51.1

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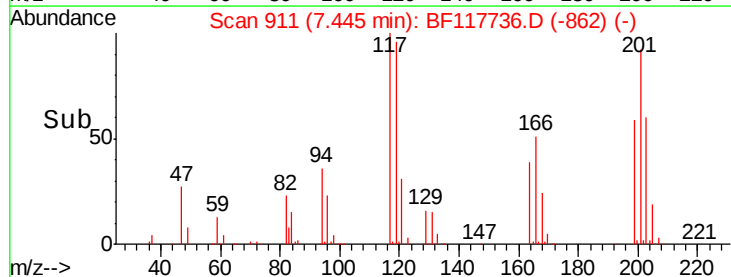
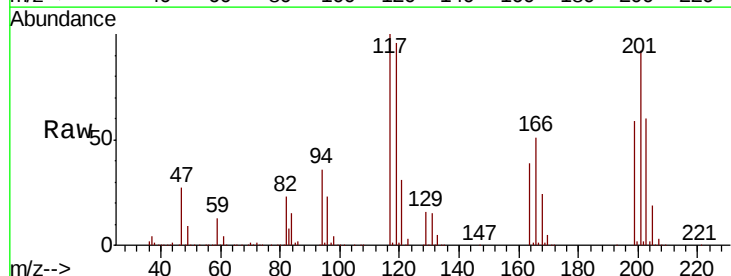
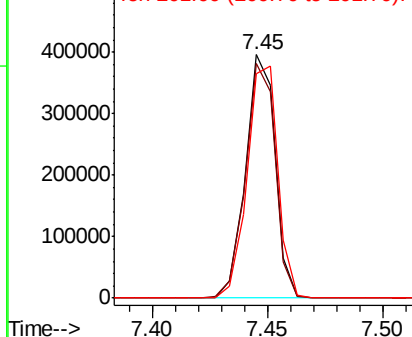
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

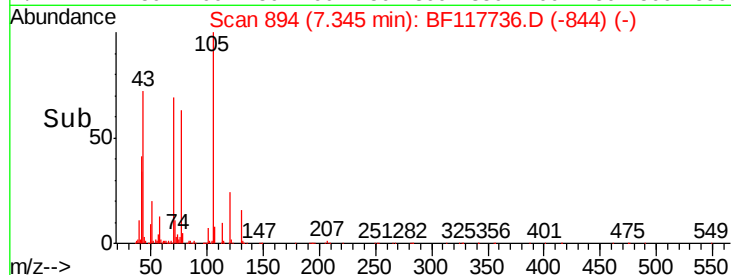
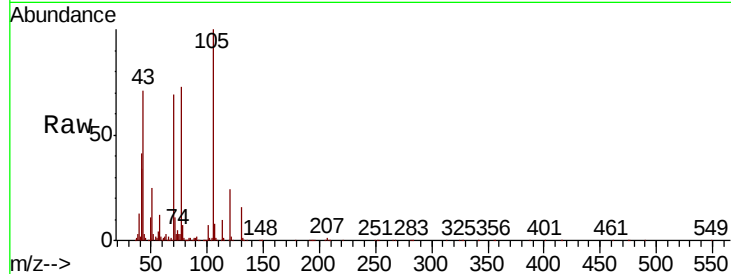
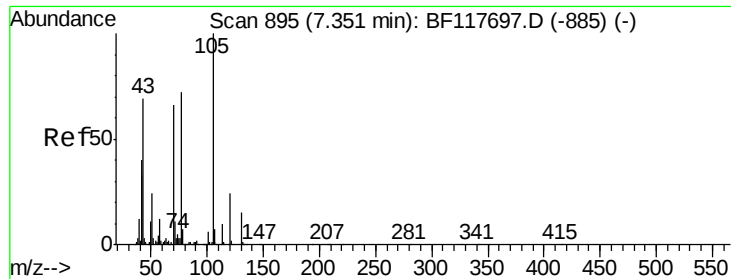


#18
Hexachloroethane
Concen: 38.734 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion:	117	Resp:	357085
Ion Ratio	Lower	Upper	
117	100		
119	96.4	77.7	116.5
201	92.1	83.2	124.8

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





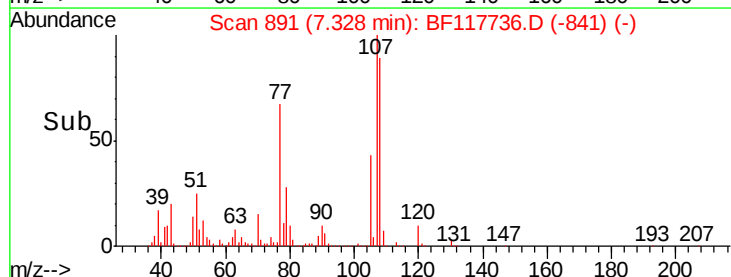
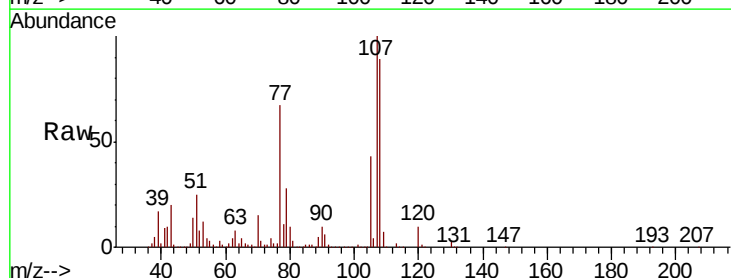
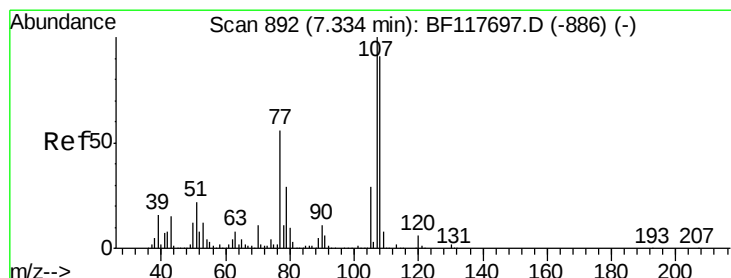
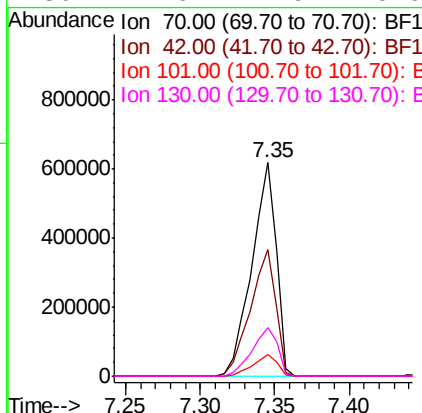
#19
n-Nitroso-di-n-propylamine
Concen: 44.429 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

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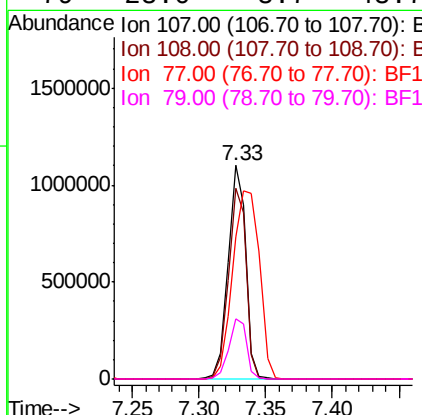
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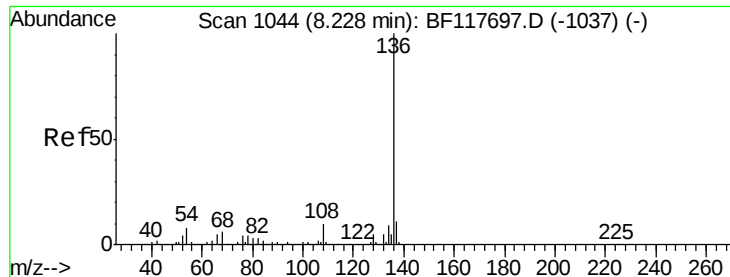
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	59.5	49.1	73.7	
101	10.3	7.8	11.8	
130	22.6	17.9	26.9	



#20
3+4-Methylphenols
Concen: 46.615 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.0	70.5	110.5	
77	66.8	35.6	75.6	
79	28.0	8.7	48.7	





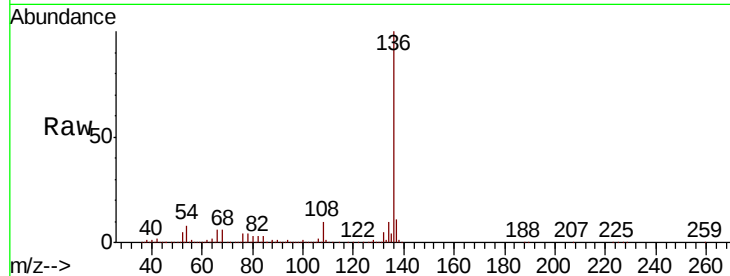
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.4	8.8	13.2	
54	8.2	6.0	9.0	
68	6.3	4.8	7.2	

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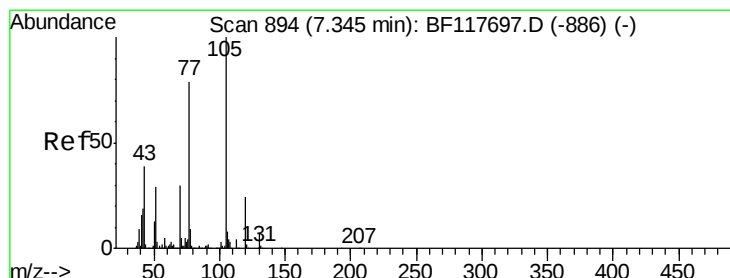
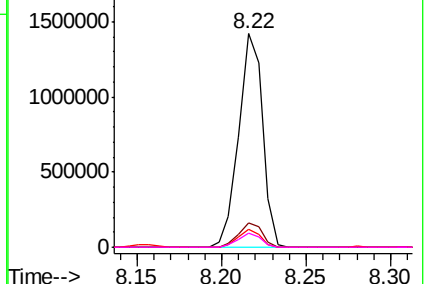
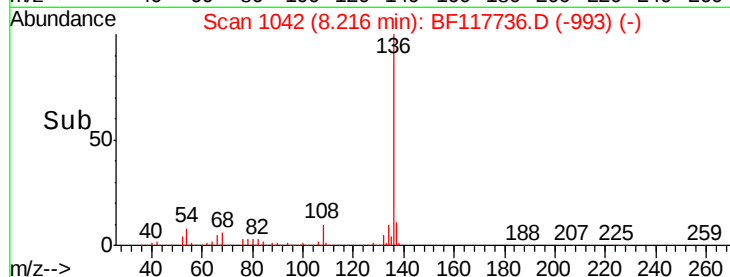
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

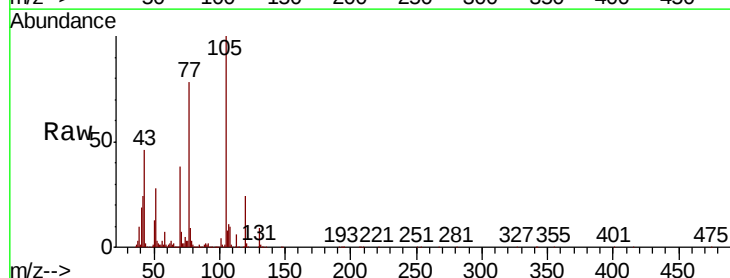
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 42.364 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
71	6.6	3.9	5.9#	
51	28.1	23.0	34.4	
120	23.9	19.1	28.7	



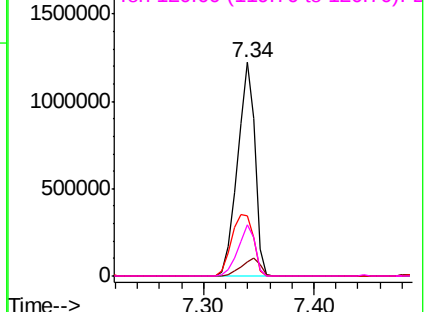
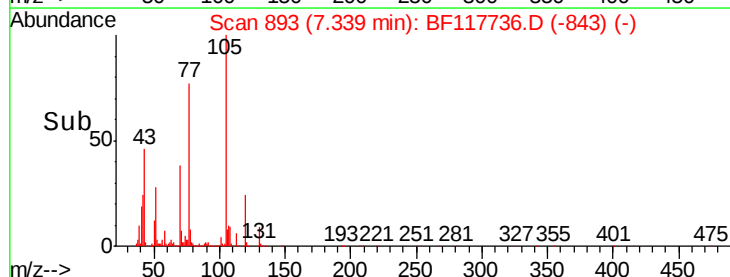
Abundance

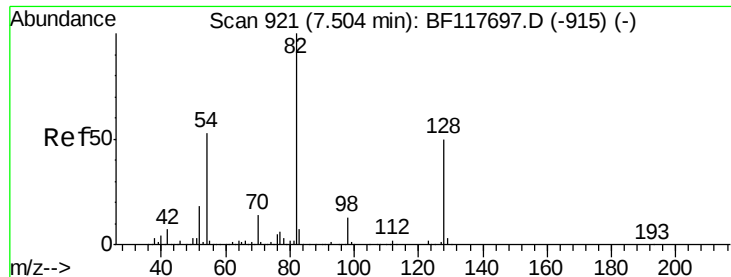
Ion 105.00 (104.70 to 105.70): E

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





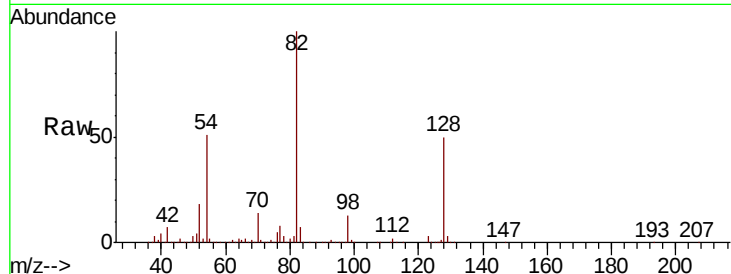
#23
Nitrobenzene-d5
Concen: 84.567 ng
RT: 7.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

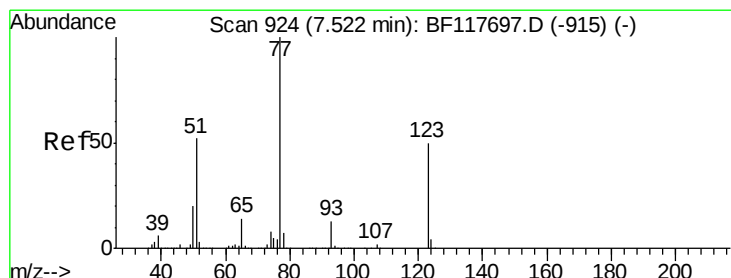
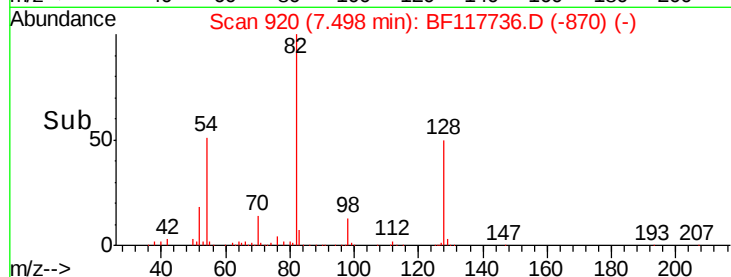
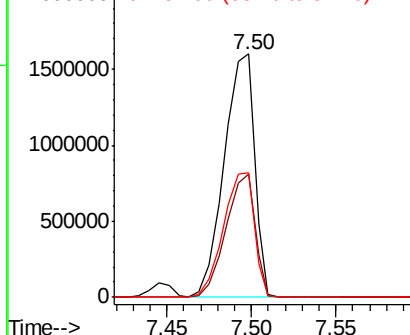
Tot Ion: 82 Resp: 2001940
Ion Ratio Lower Upper
82 100
128 50.4 40.2 60.2
54 51.1 42.0 63.0

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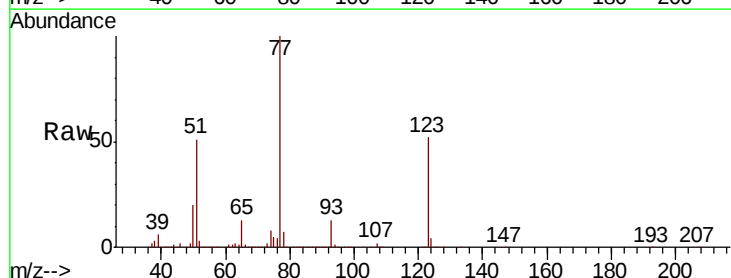


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

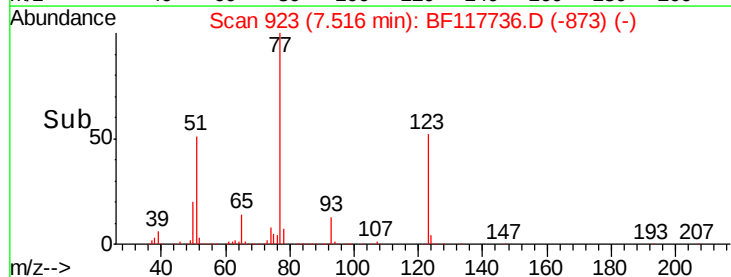
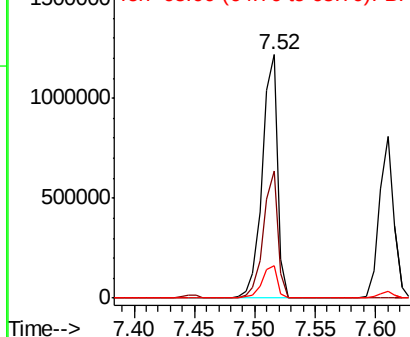


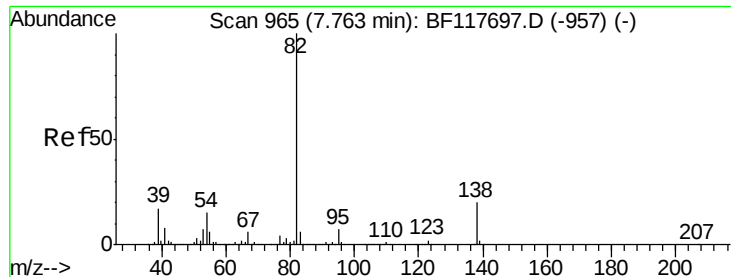
#24
Nitrobenzene
Concen: 43.643 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion: 77 Resp: 1078845
Ion Ratio Lower Upper
77 100
123 52.2 40.4 60.6
65 13.4 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: 44.153 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion: 82 Resp: 1999148

Ion Ratio Lower Upper

82 100

95 7.3 5.8 8.6

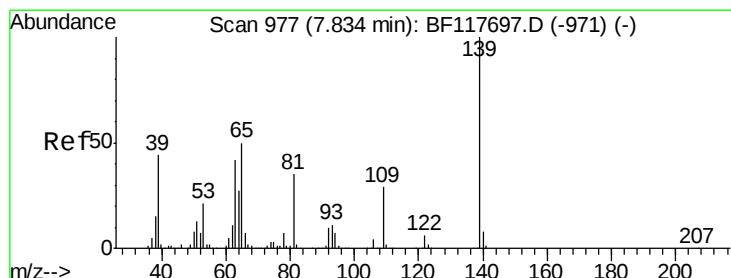
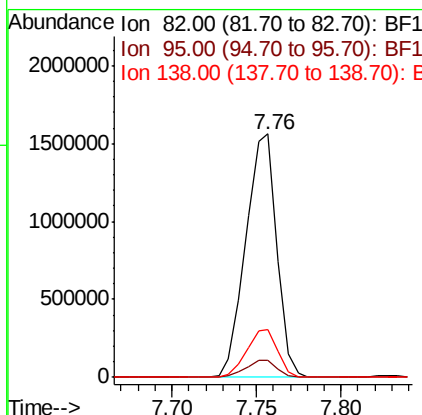
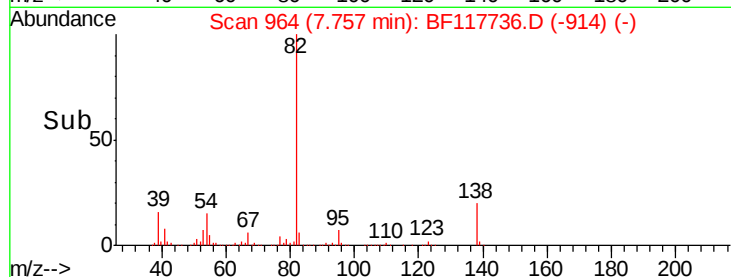
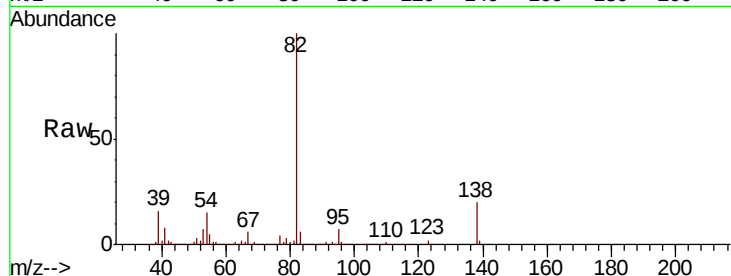
138 19.8 16.2 24.2

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#26

2-Nitrophenol

Concen: 48.845 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

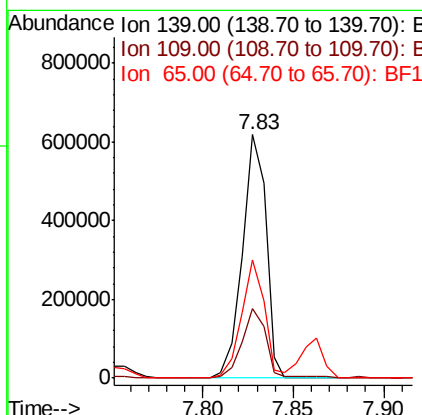
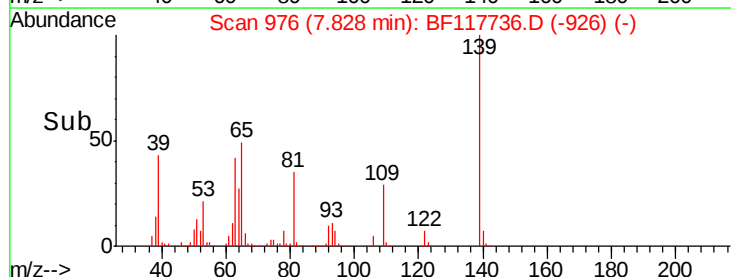
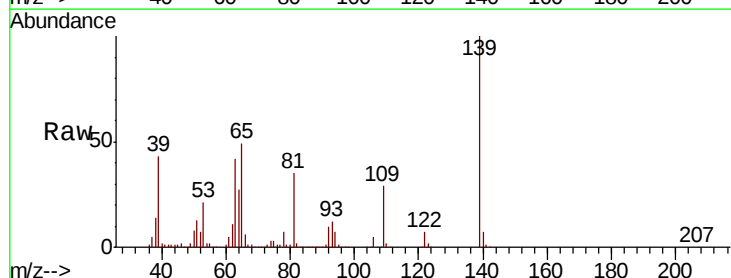
Tgt Ion: 139 Resp: 560551

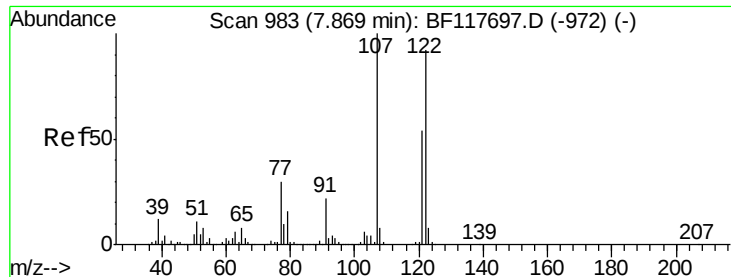
Ion Ratio Lower Upper

139 100

109 28.6 22.8 34.2

65 48.7 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 51.078 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

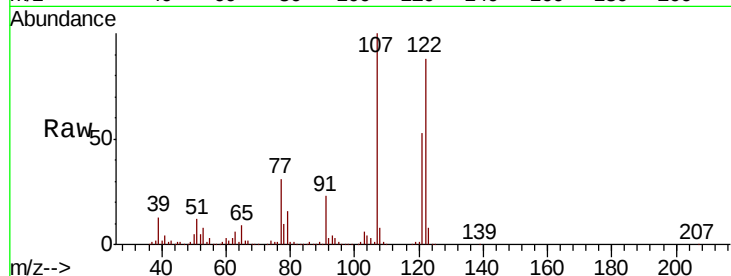
ClientSampleId :

PB124647BS

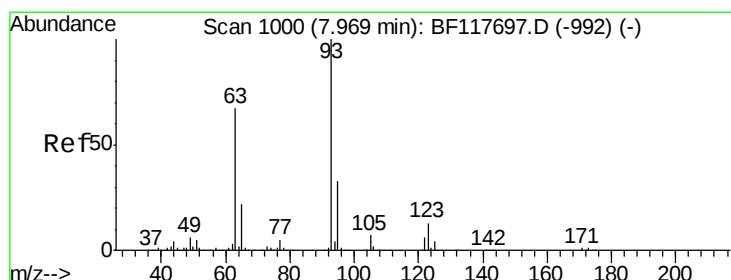
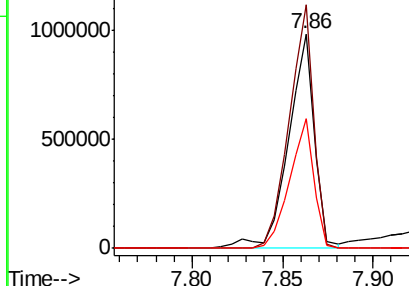
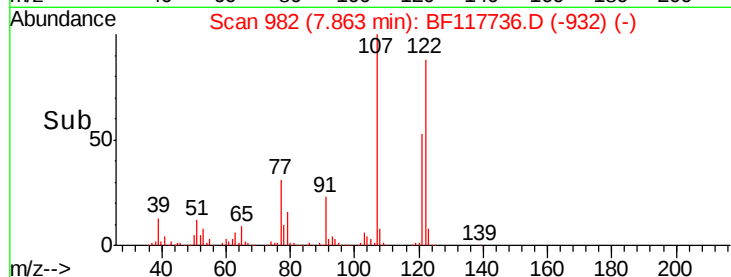
Tot Ion:	122	Resp:	988384
Ion Ratio	Lower	Upper	
122	100		
107	113.4	87.1	130.7
121	60.5	46.9	70.3

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Abundance Ion 122.00 (121.70 to 122.70): E
1500000 Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.233 ng

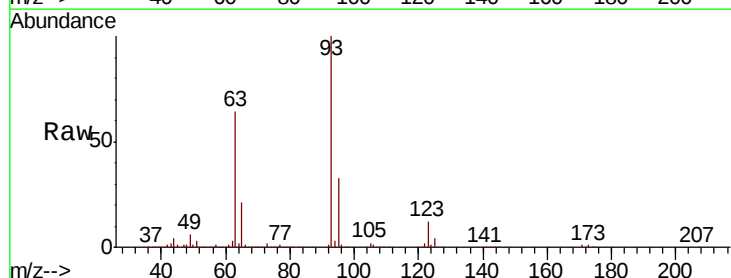
RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

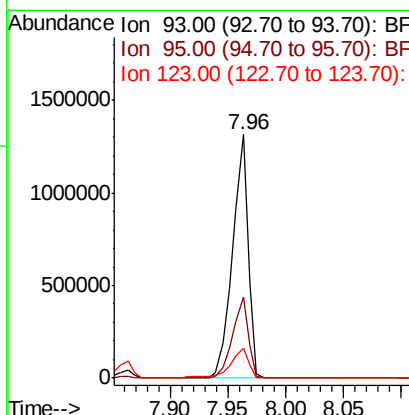
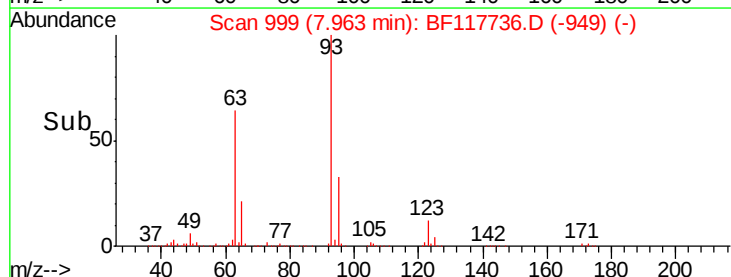
Lab File: BF117736.D

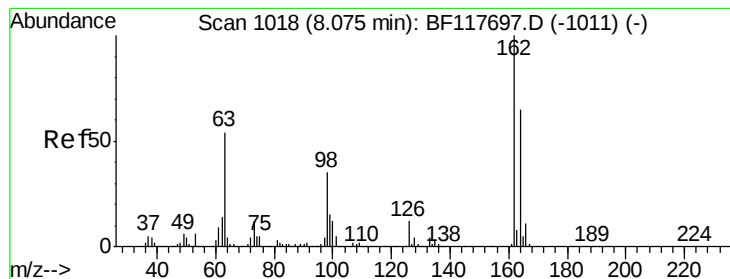
Acq: 8 Nov 2019 17:36

Tgt Ion:	93	Resp:	1227466
Ion Ratio	Lower	Upper	
93	100		
95	33.2	26.8	40.2
123	12.3	10.4	15.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
1500000 Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 46.550 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

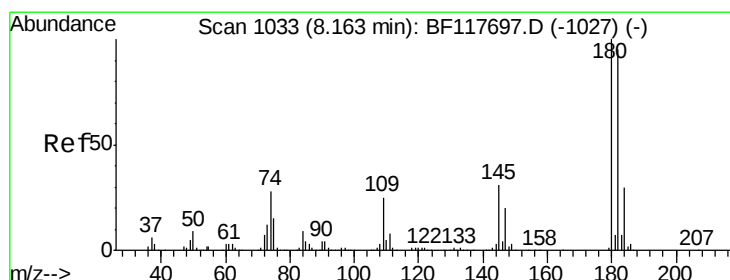
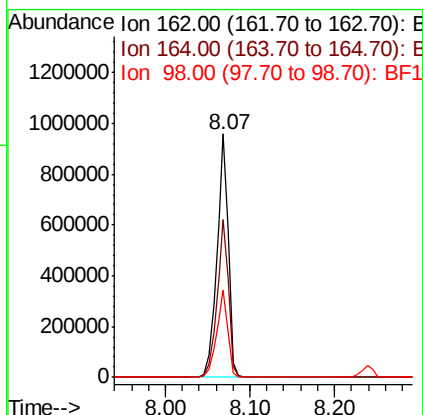
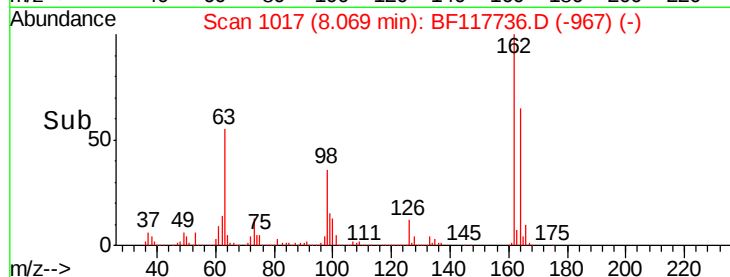
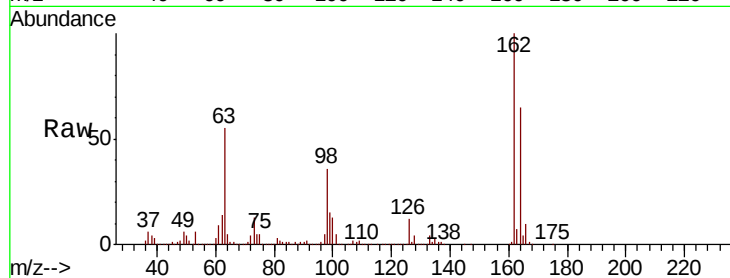
ClientSampleId :

PB124647BS

Tot Ion:	162	Resp:	928031
Ion Ratio	Lower	Upper	
162	100		
164	64.6	45.4	85.4
98	35.9	15.5	55.5

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#30

1,2,4-Trichlorobenzene

Concen: 40.053 ng

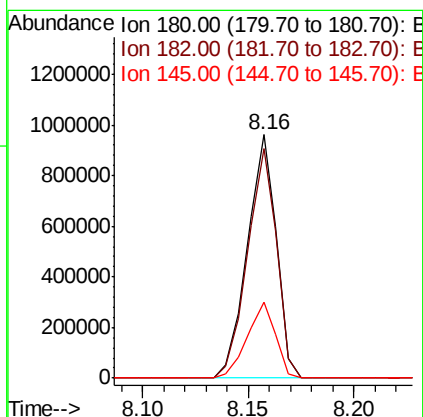
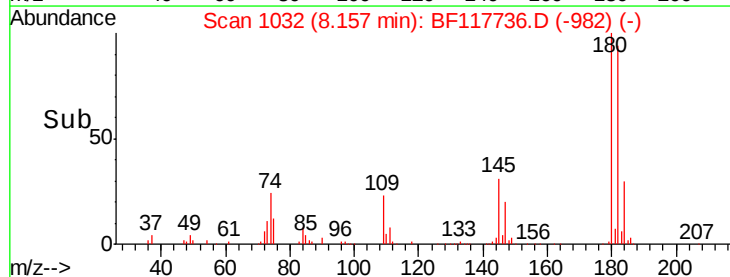
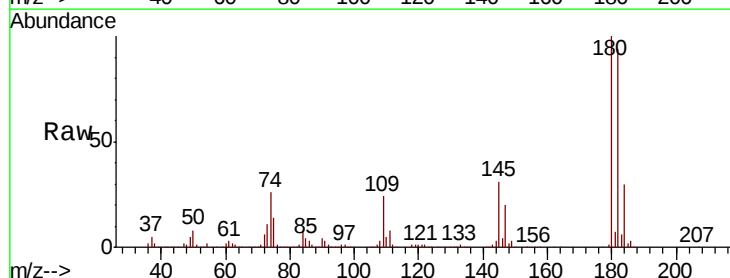
RT: 8.16 min Scan# 1032

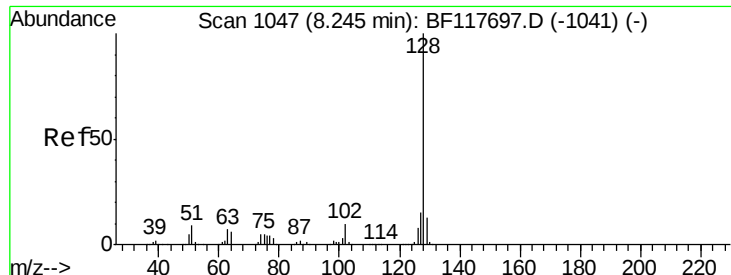
Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tgt Ion:	180	Resp:	914091
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.0	114.0
145	30.9	25.0	37.4





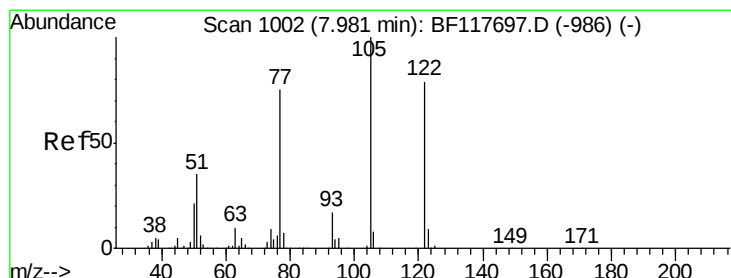
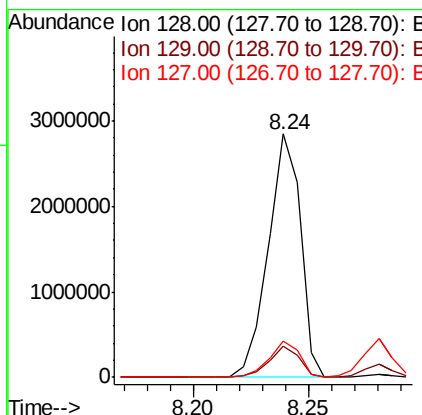
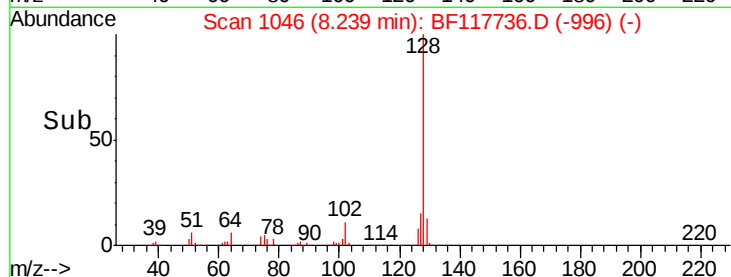
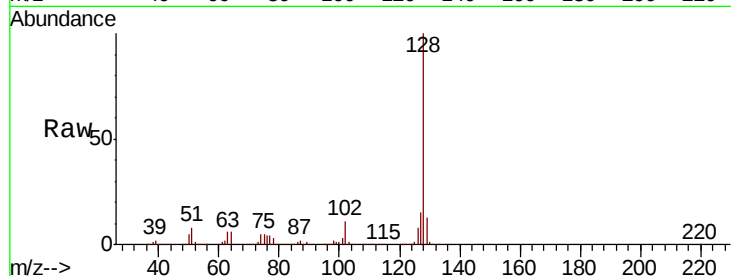
#31
Naphthalene
Concen: 43.259 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion:128 Resp: 2763483
Ion Ratio Lower Upper
128 100
129 12.6 10.1 15.1
127 14.7 11.8 17.6

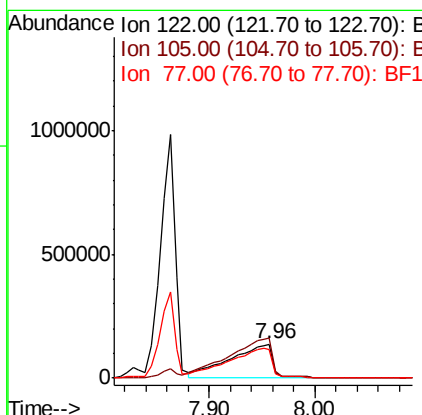
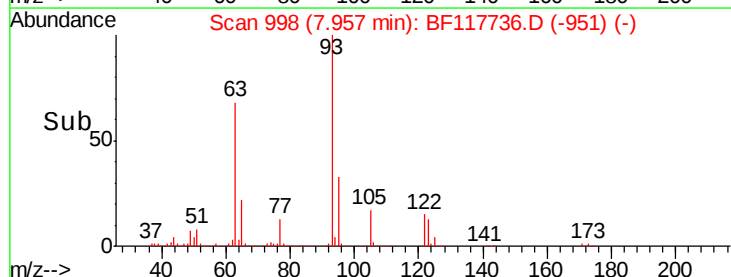
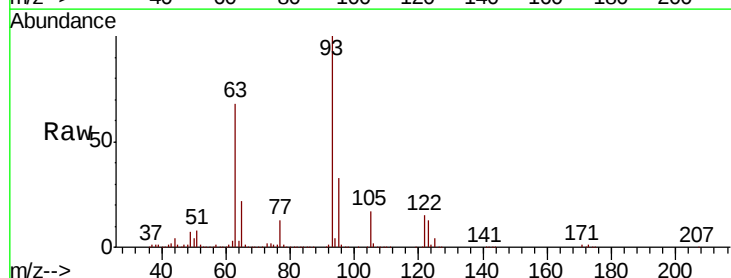
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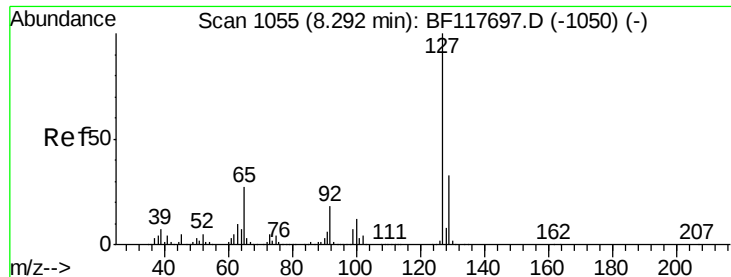
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#32
Benzoic acid
Concen: 25.383 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.02 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion:122 Resp: 388809
Ion Ratio Lower Upper
122 100
105 117.6 102.8 142.8
77 86.3 73.2 113.2





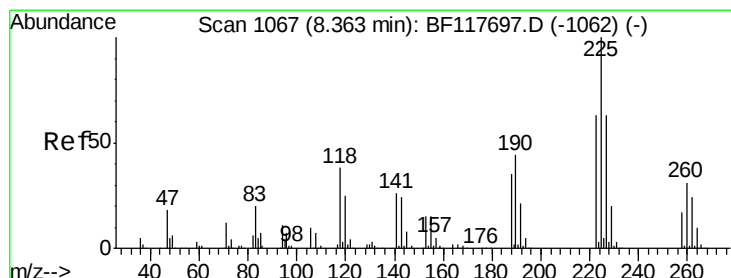
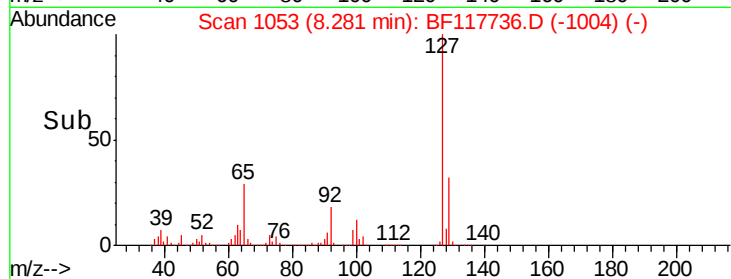
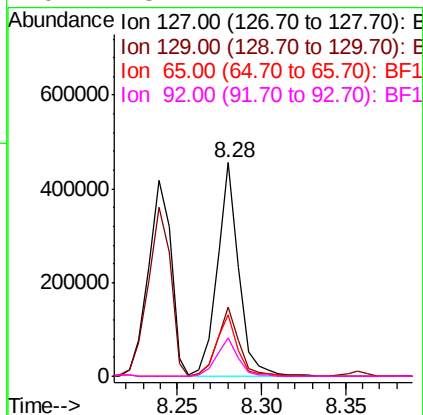
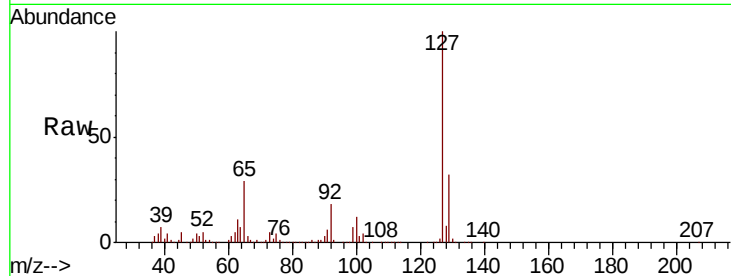
#33
 4-Chloroaniline
 Concen: 13.632 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :
 PB124647BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		404664		
129	32.5	26.6	39.8		
65	28.6	21.7	32.5		
92	18.2	14.1	21.1		

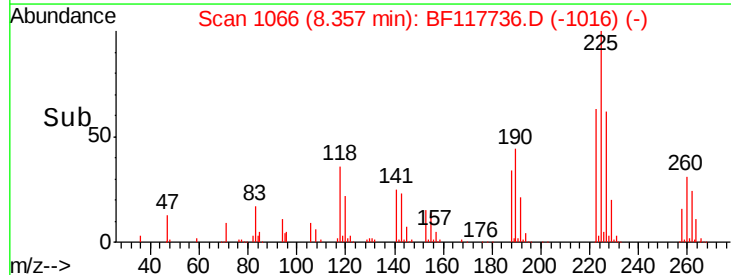
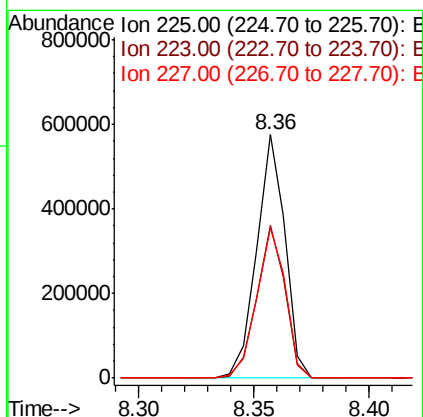
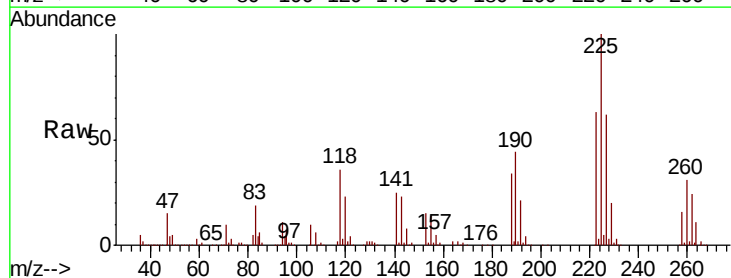
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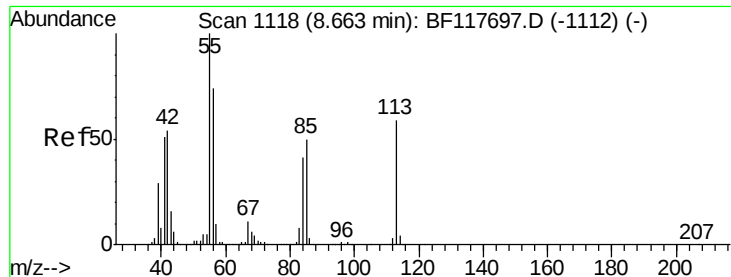
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#34
 Hexachlorobutadiene
 Concen: 37.681 ng
 RT: 8.36 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		492469		
223	62.8	50.1	75.1		
227	61.7	50.2	75.4		





#35

Caprolactam

Concen: 14.898 ng/ml

RT: 8.65 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

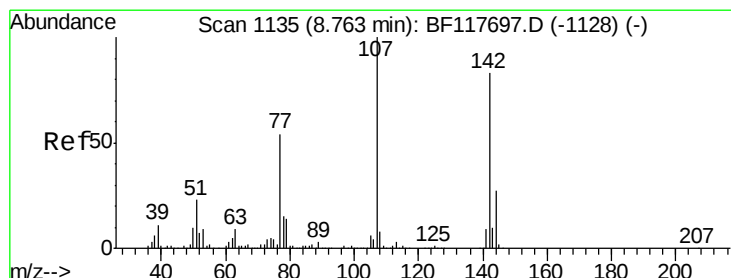
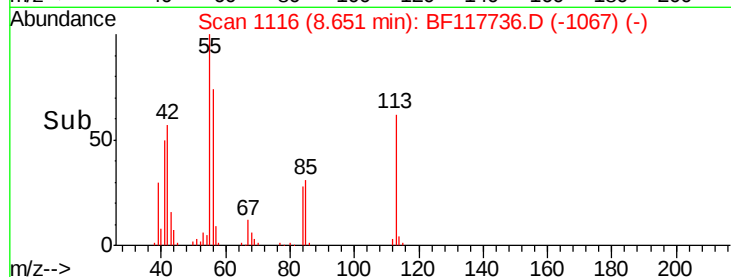
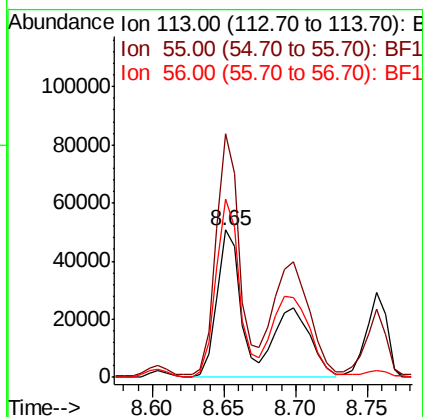
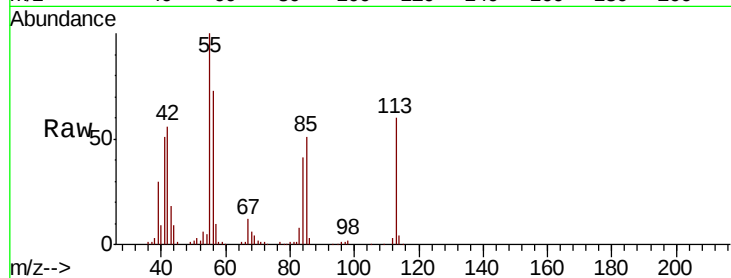
ClientSampleID :

PB124647BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	165.5		150.5	190.5	
56	121.3		106.2	146.2	

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#36

4-Chloro-3-methylphenol

Concen: 49.185 ng/ml

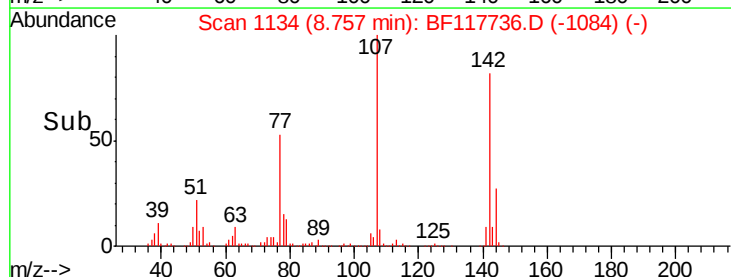
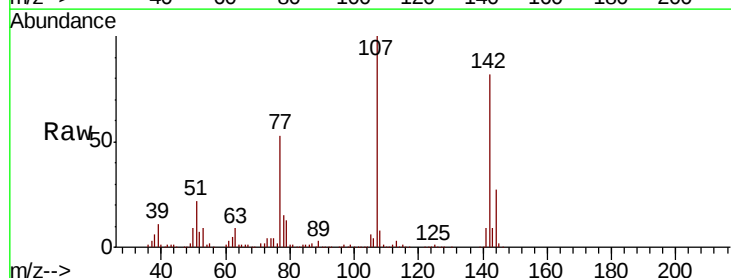
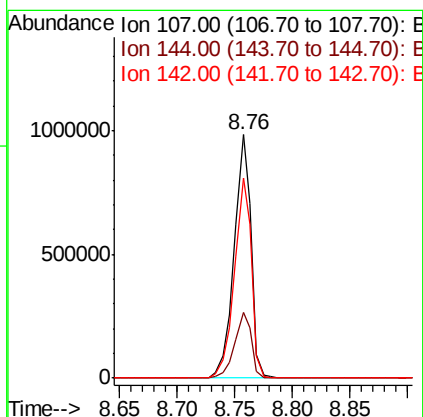
RT: 8.76 min Scan# 1134

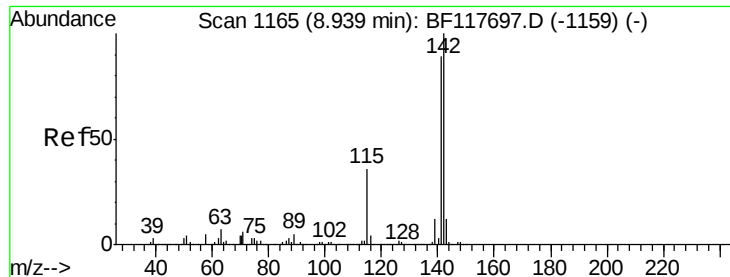
Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	26.9		21.5	32.3	
142	82.3		66.7	100.1	





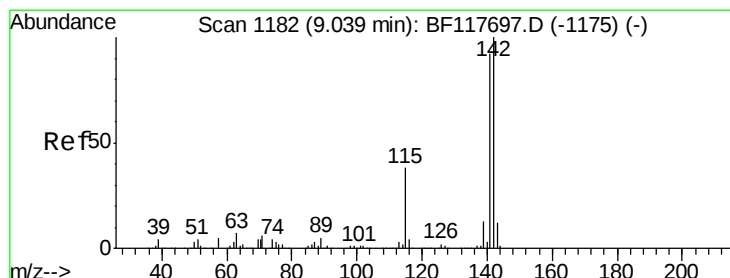
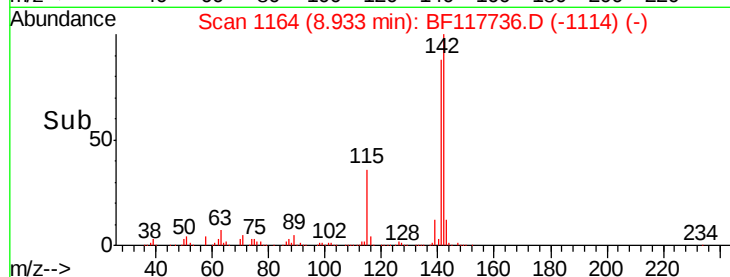
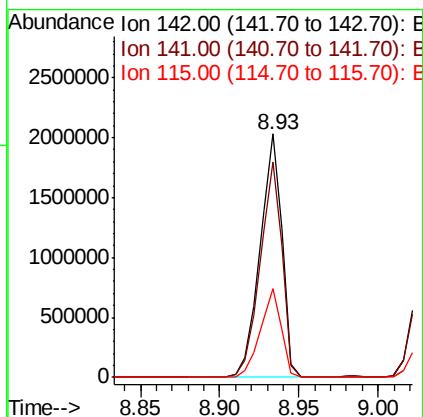
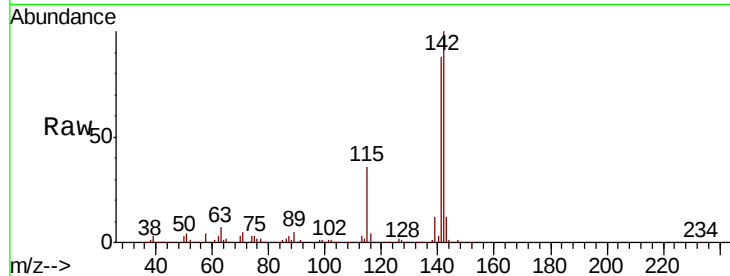
#37
2-Methylnaphthalene
Concen: 45.082 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.5	107.3
115	36.3	28.9	43.3

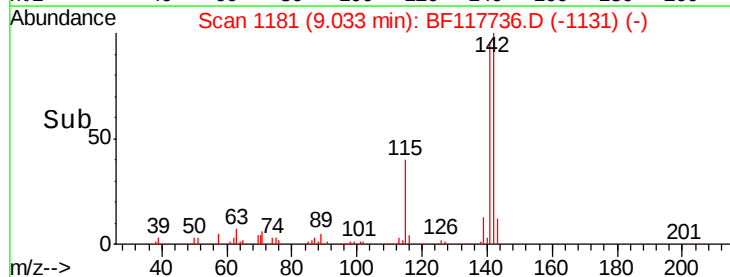
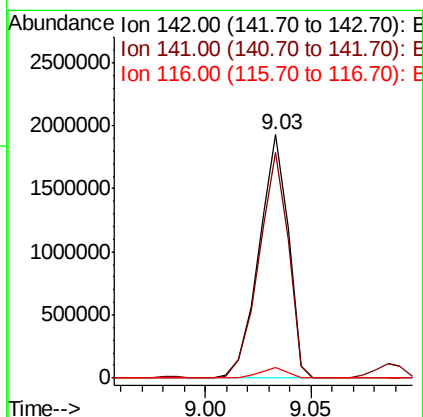
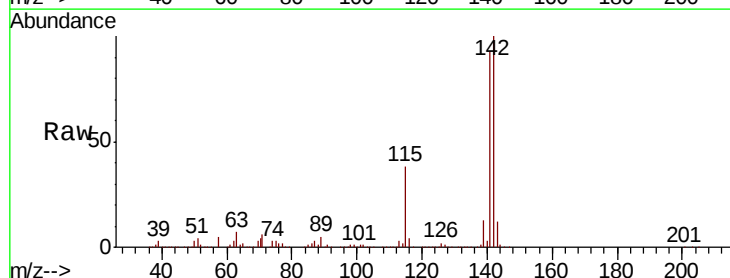
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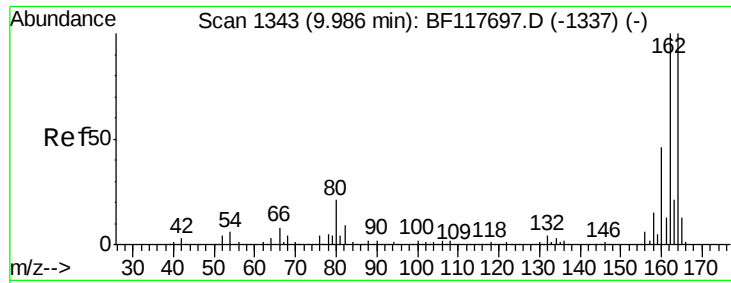
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#38
1-Methylnaphthalene
Concen: 45.006 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.3	109.9
116	4.1	3.2	4.8





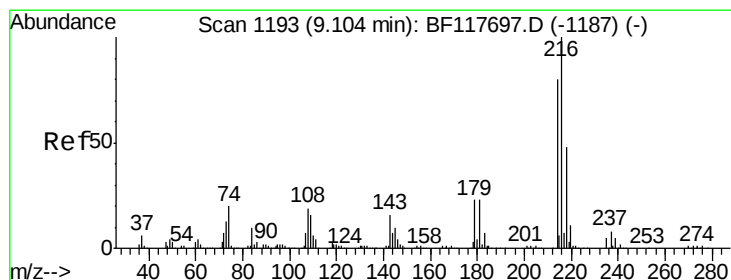
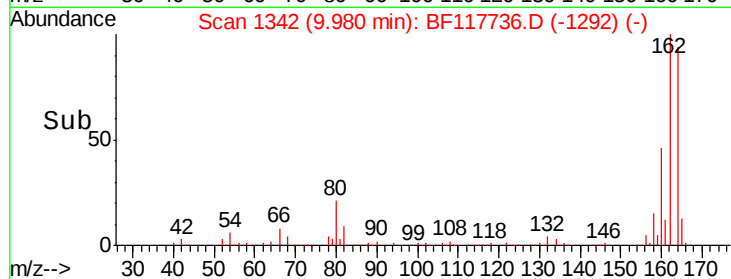
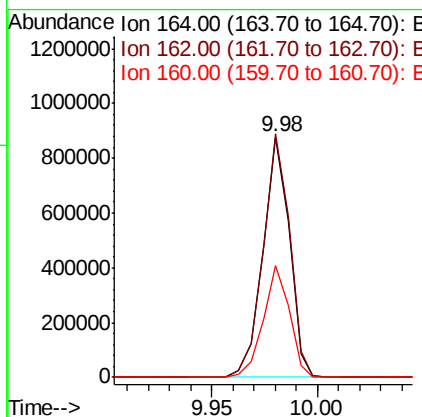
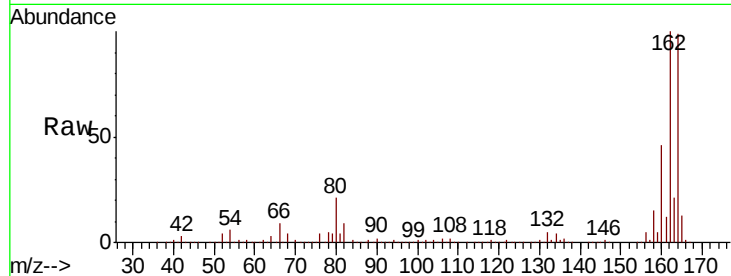
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.7	119.5
160	46.4	36.5	54.7

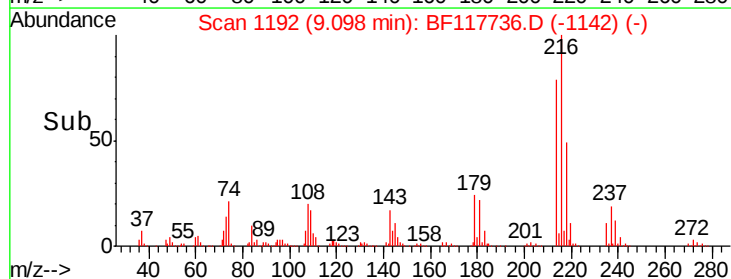
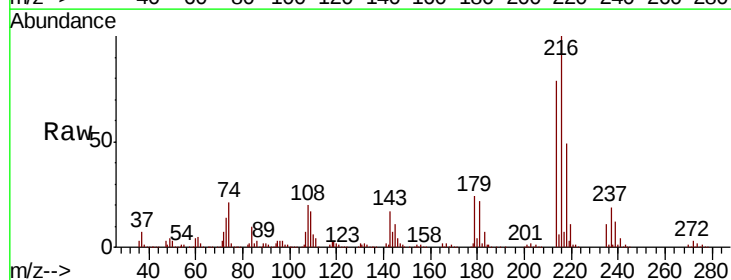
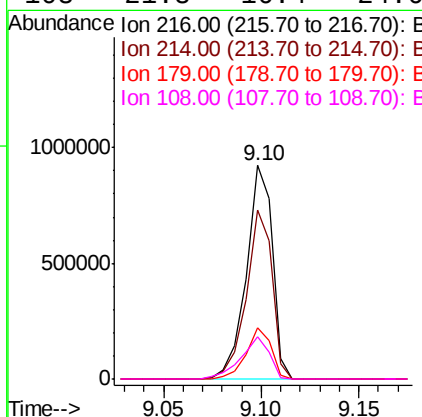
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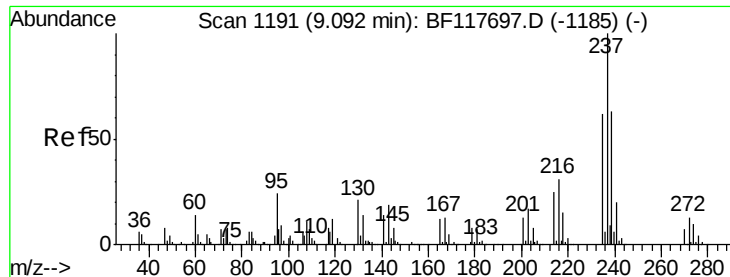
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.466 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.6	95.4
179	22.8	18.1	27.1
108	21.8	16.4	24.6





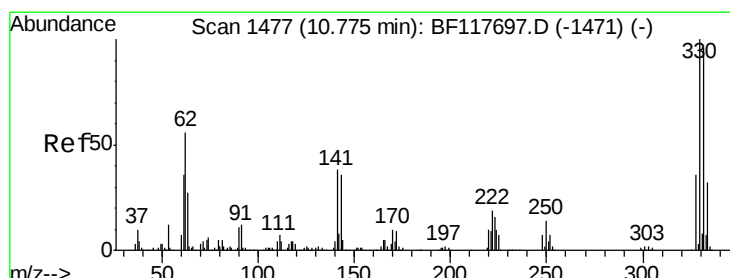
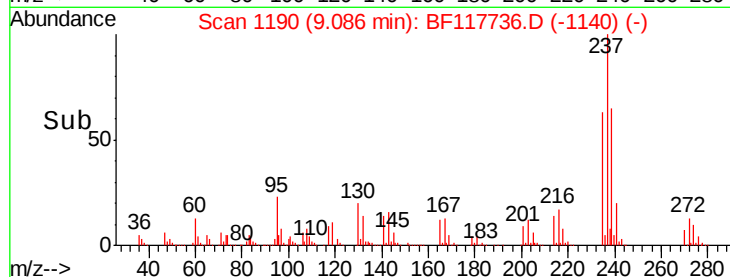
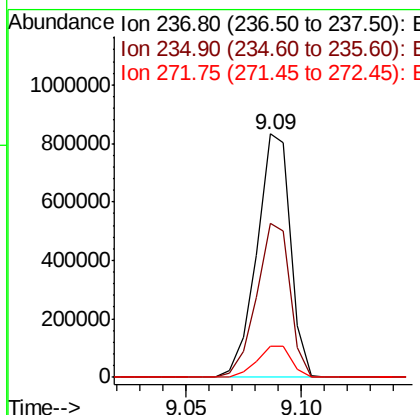
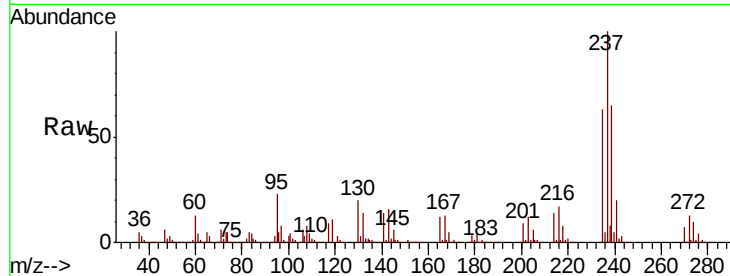
#41
Hexachlorocyclopentadiene
Concen: 74.411 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.1	42.2	82.2	
272	12.8	0.0	32.8	

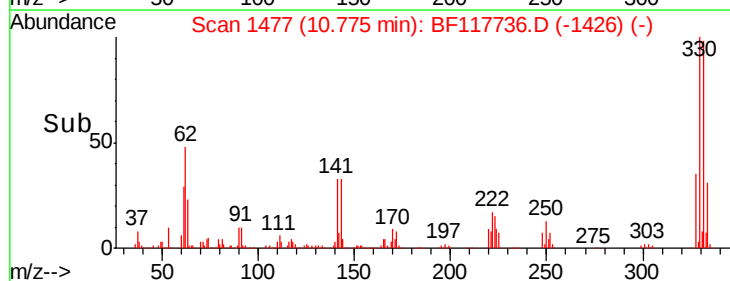
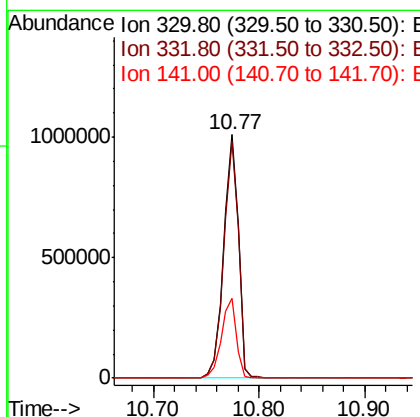
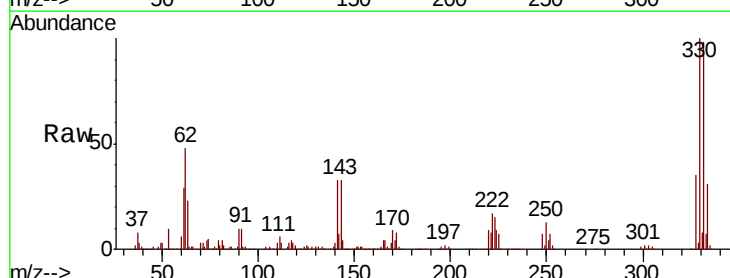
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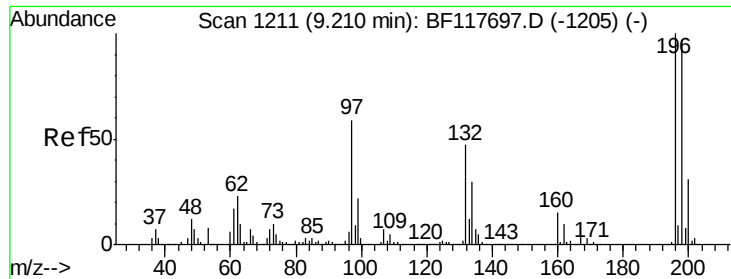
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#42
2,4,6-Tribromophenol
Concen: 131.616 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	77.4	116.0	
141	33.3	28.0	42.0	





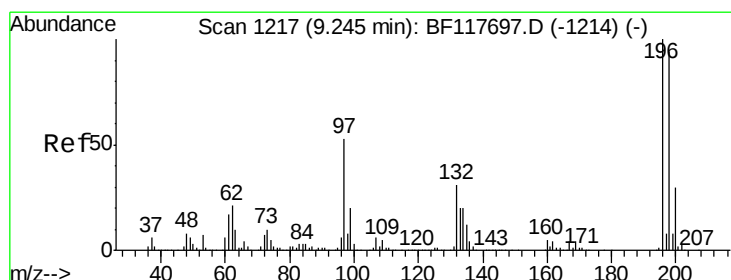
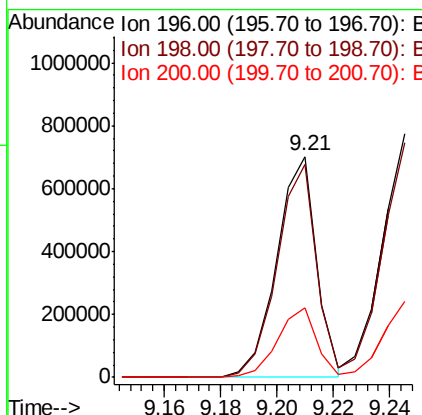
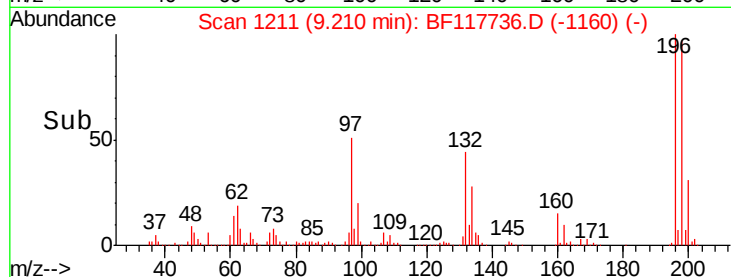
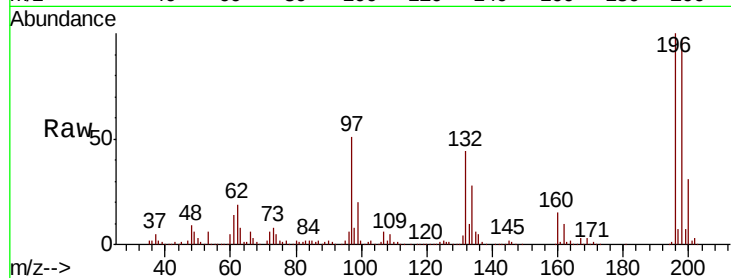
#43
 2,4,6-Trichlorophenol
 Concen: 44.514 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :
 PB124647BS

Tot Ion:	196	Resp:	682682
Ion Ratio	Lower	Upper	
196	100		
198	96.8	77.8	116.6
200	31.4	25.0	37.6

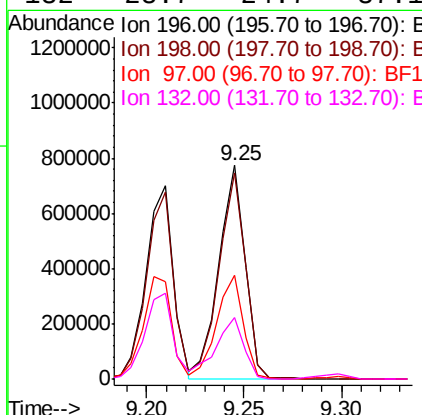
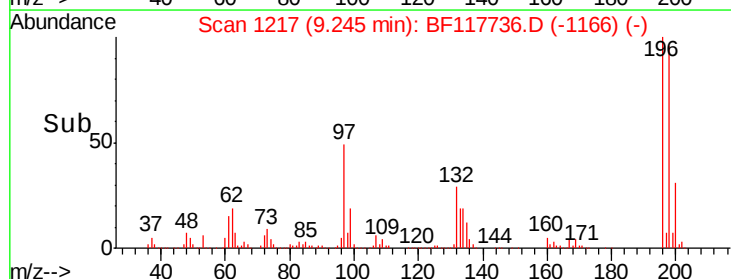
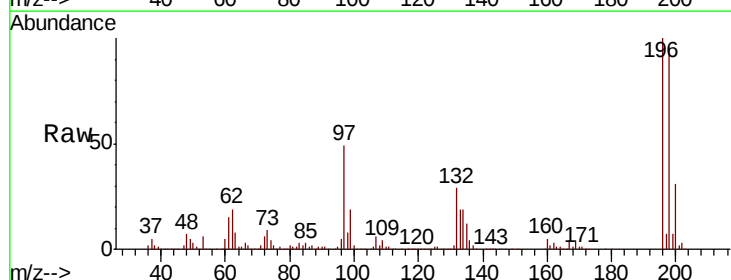
Manual Integrations
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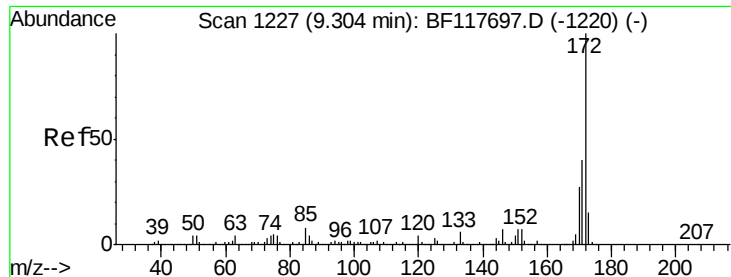
mohammad
 11/11/2019 8:06:13 AM



#44
 2,4,5-Trichlorophenol
 Concen: 46.622 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Tgt Ion:	196	Resp:	724756
Ion Ratio	Lower	Upper	
196	100		
198	96.2	75.4	113.0
97	48.6	42.5	63.7
132	28.7	24.7	37.1





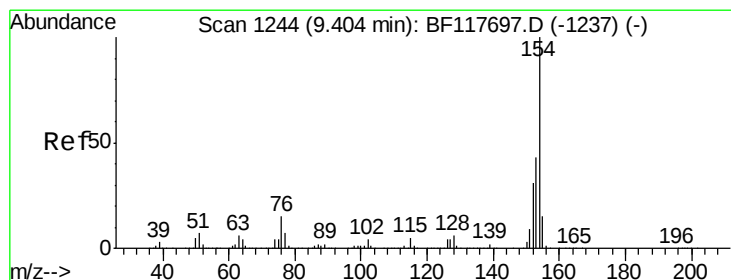
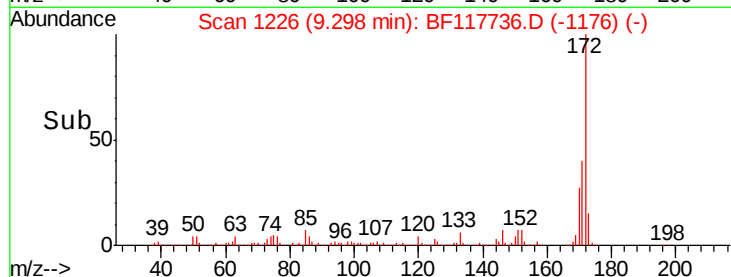
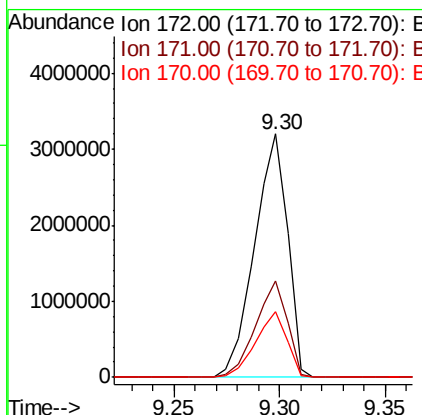
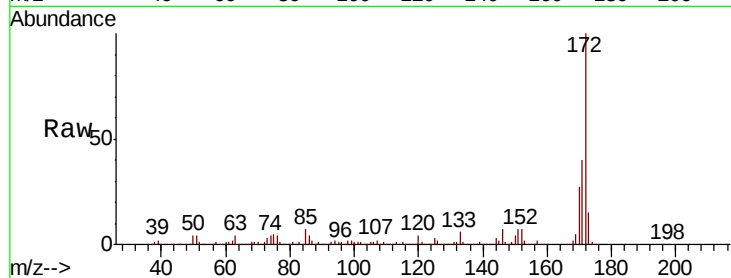
#45
2-Fluorobiphenyl
Concen: 88.891 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.8	31.8	47.8
170	27.2	21.6	32.4

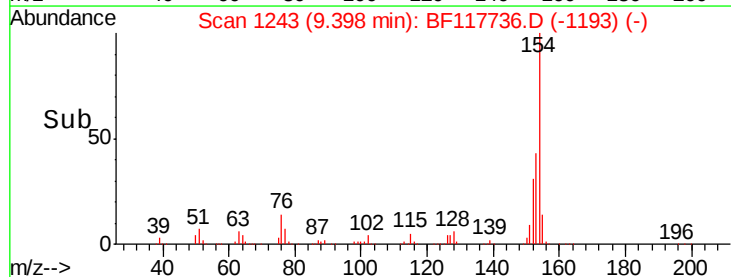
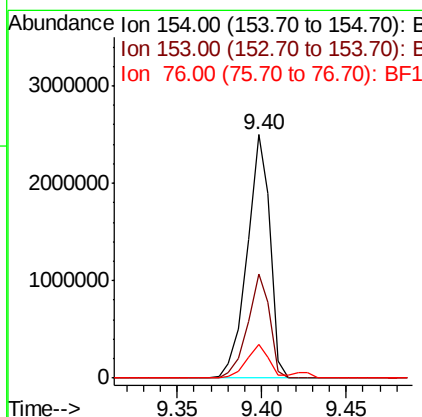
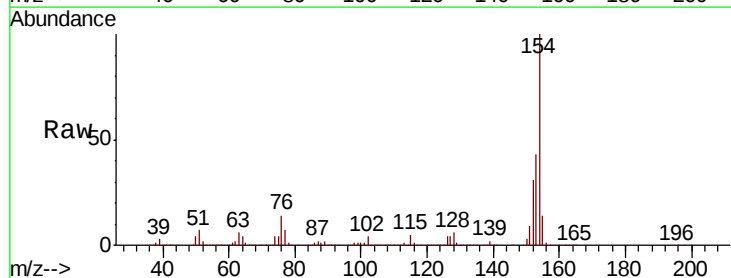
Manual Integrations
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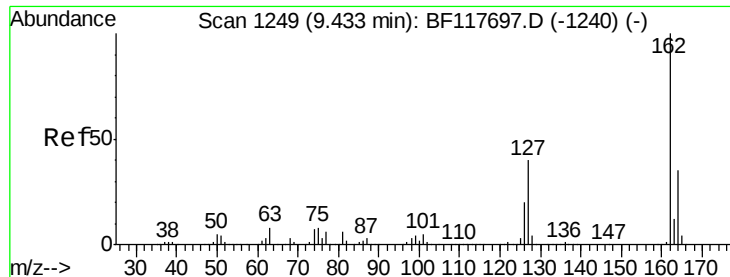
mohammad
11/11/2019 8:06:13 AM



#46
1,1'-Biphenyl
Concen: 43.684 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.9	23.2	63.2
76	13.9	0.0	34.7





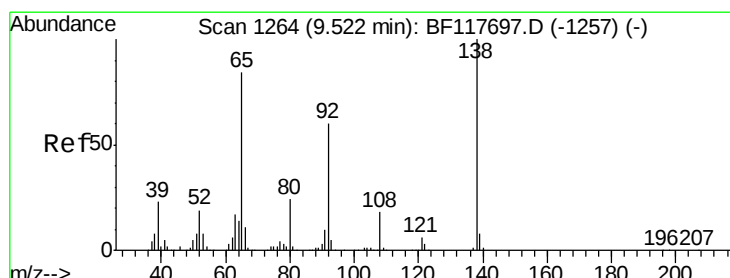
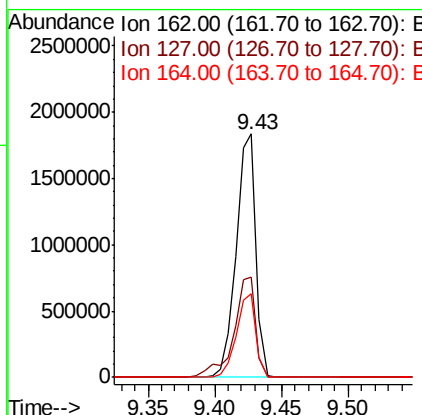
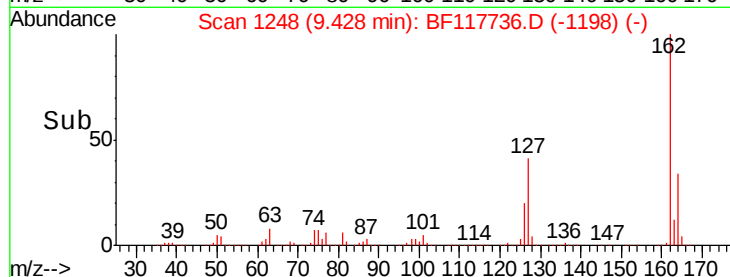
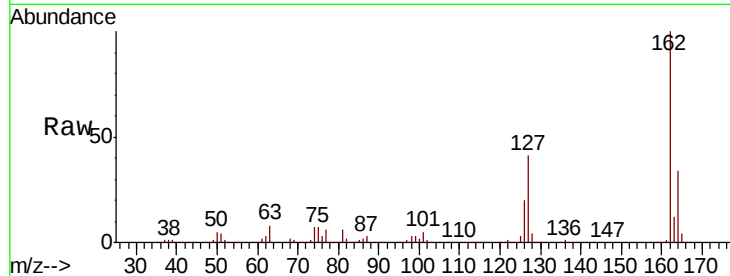
#47
 2-Chloronaphthalene
 Concen: 42.104 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :
 PB124647BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.2	48.4
164	34.3	28.1	42.1

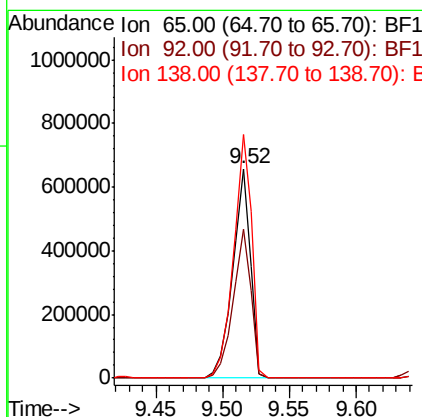
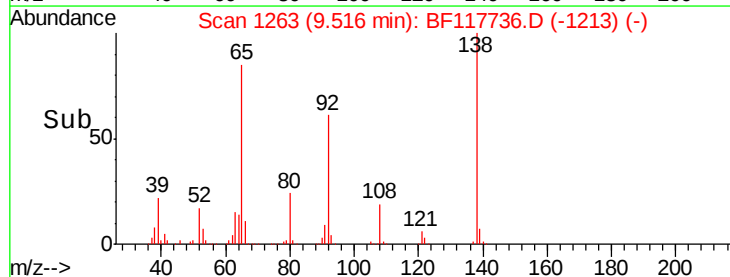
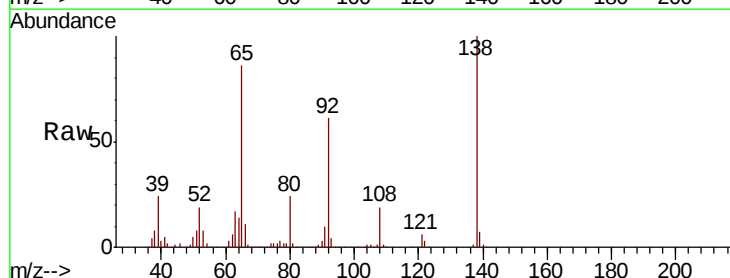
Manual Integrations
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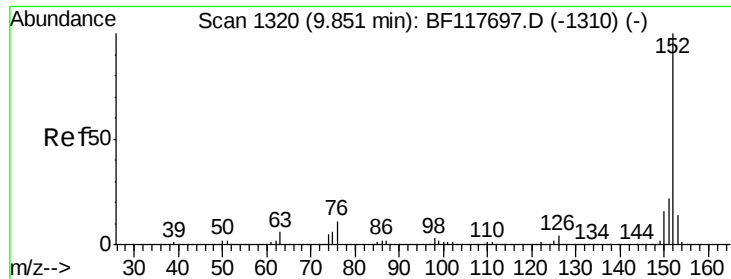
mohammad
 11/11/2019 8:06:13 AM



#48
 2-Nitroaniline
 Concen: 43.988 ng
 RT: 9.52 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.0	57.3	85.9
138	116.5	95.0	142.6





#49

Acenaphthylene

Concen: 44.654 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion:152 Resp: 2909134

Ion Ratio Lower Upper

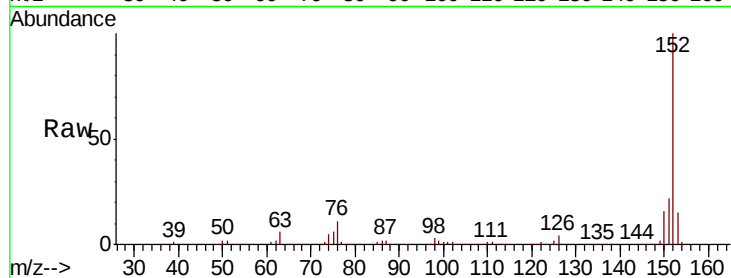
152 100

151 22.2 17.8 26.6

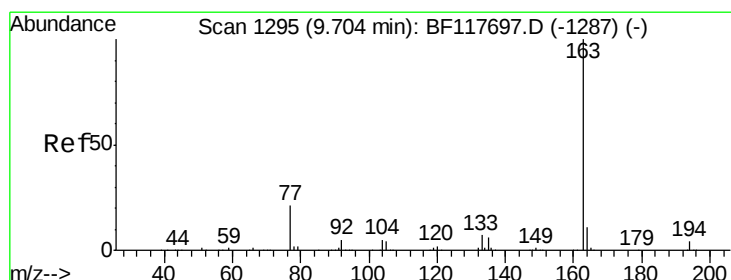
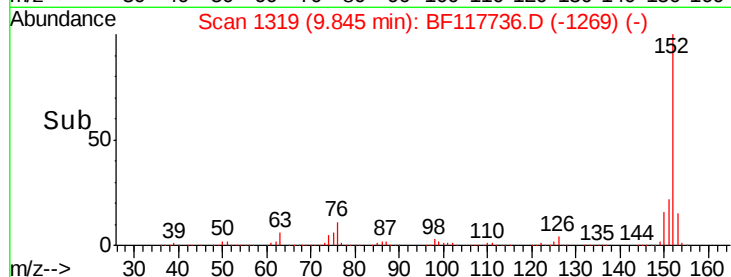
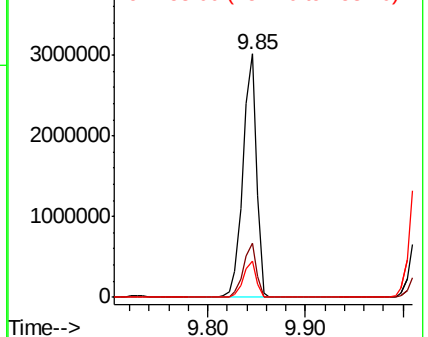
153 14.9 11.5 17.3

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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: 44.020 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

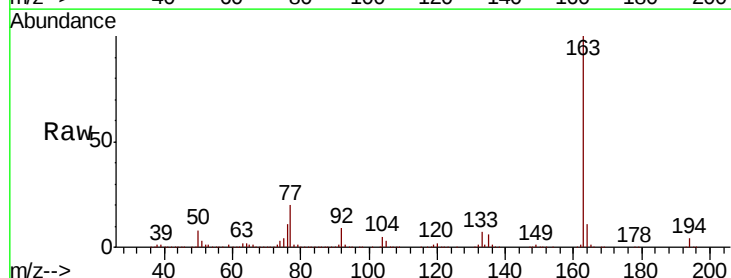
Tgt Ion:163 Resp: 2290569

Ion Ratio Lower Upper

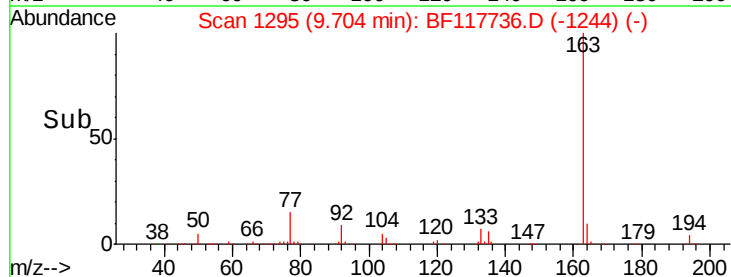
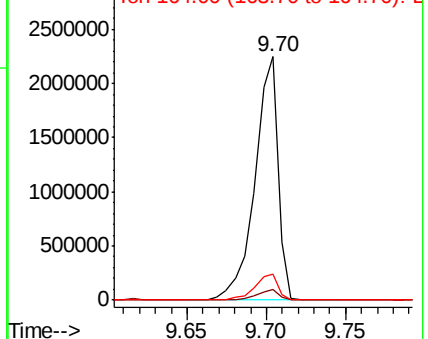
163 100

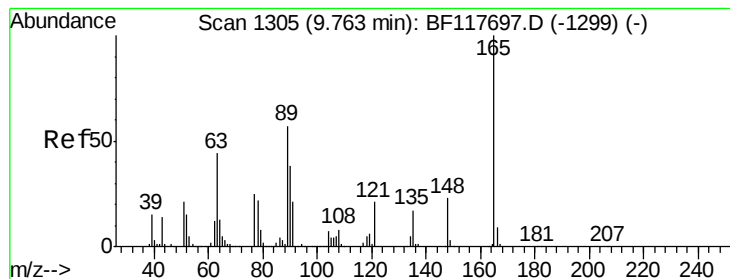
194 4.3 3.4 5.0

164 10.5 8.9 13.3



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: 46.144 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion:165 Resp: 537665

Ion Ratio Lower Upper

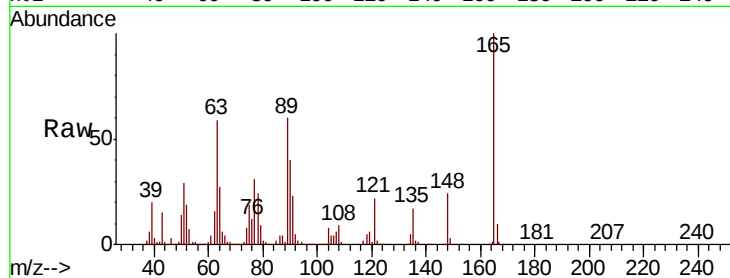
165 100

63 58.9 45.6 68.4

89 59.5 45.8 68.6

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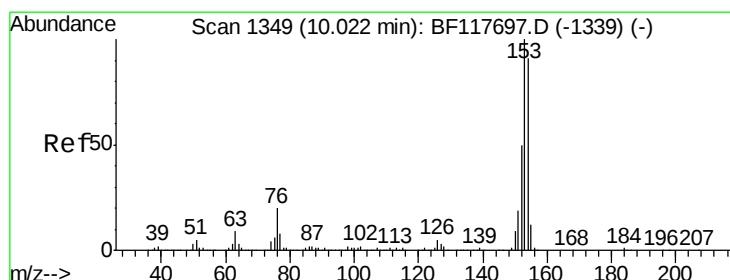
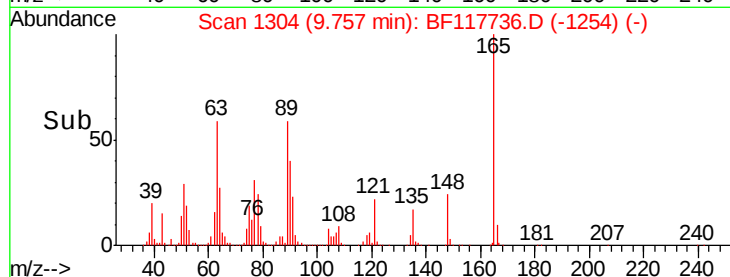
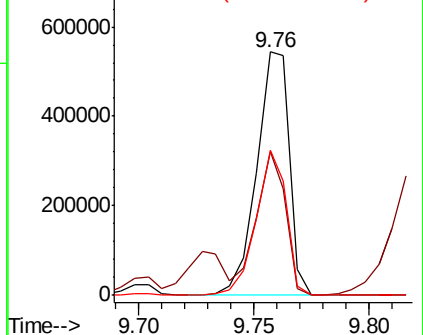
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.044 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

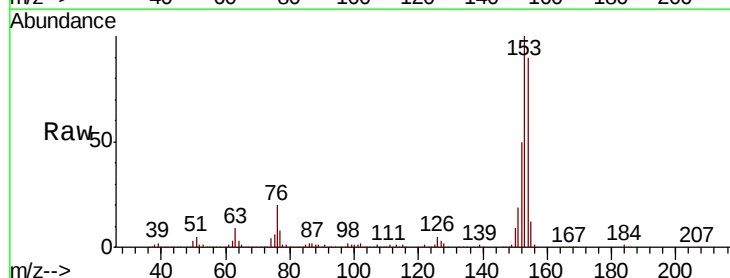
Tgt Ion:154 Resp: 1851591

Ion Ratio Lower Upper

154 100

153 111.2 87.8 131.6

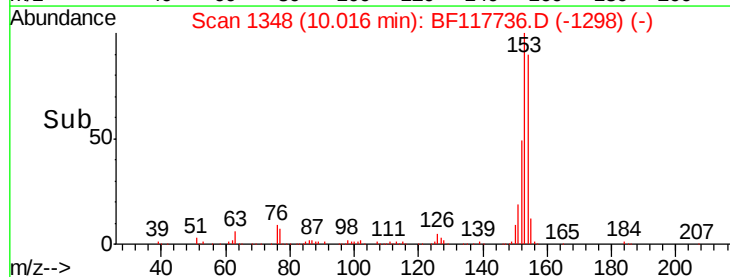
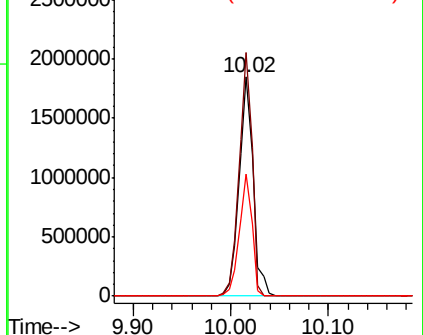
152 55.5 43.5 65.3

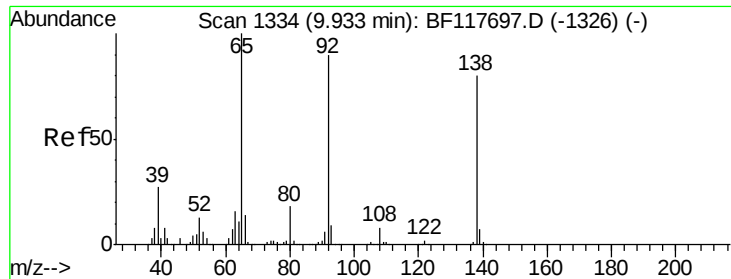


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





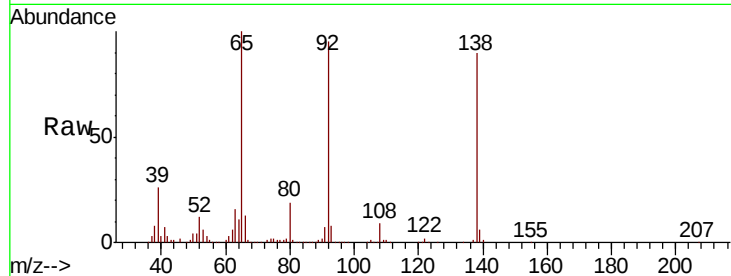
#53
3-Nitroaniline
Concen: 23.633 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.5	12.7
92	105.9	89.8	134.8

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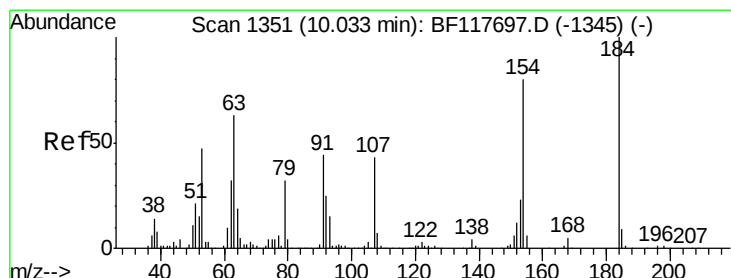
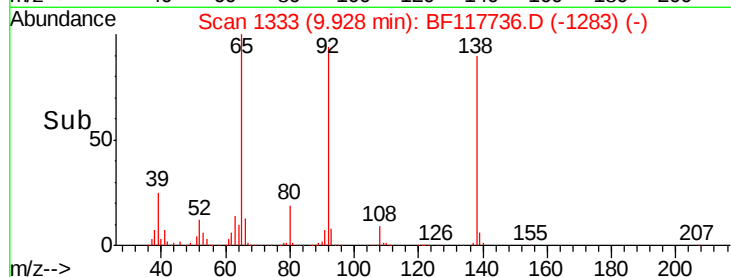
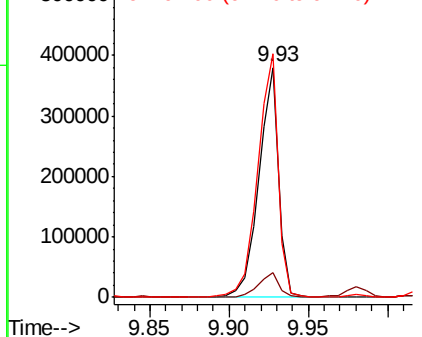


Abundance

Ion 138.00 (137.70 to 138.70): E

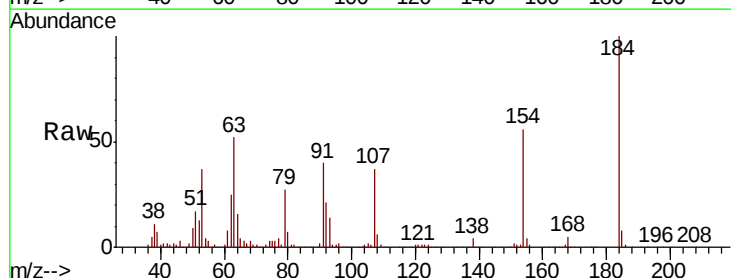
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 67.818 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
184	100		
63	51.8	51.4	77.0
154	56.5	70.2	105.2#

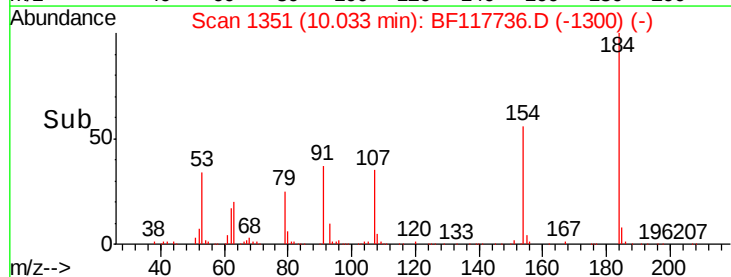
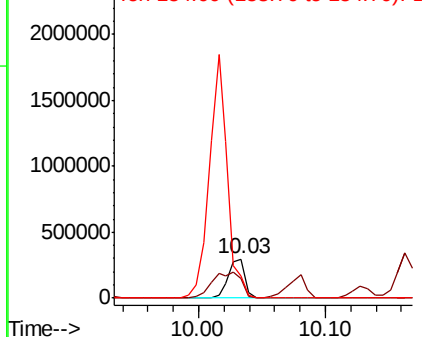


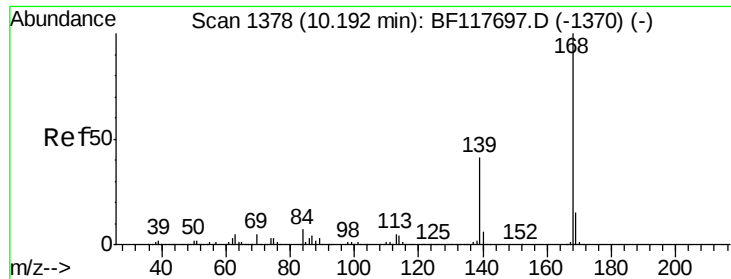
Abundance

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





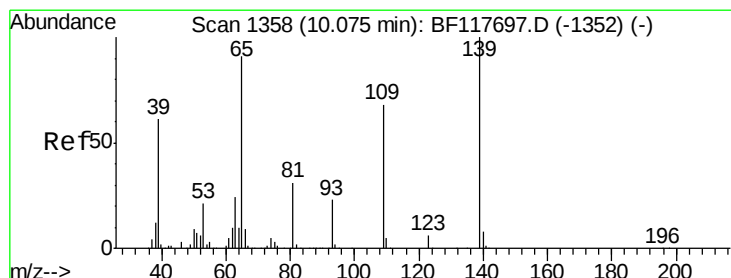
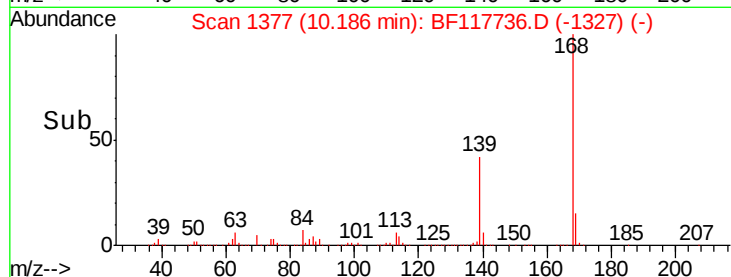
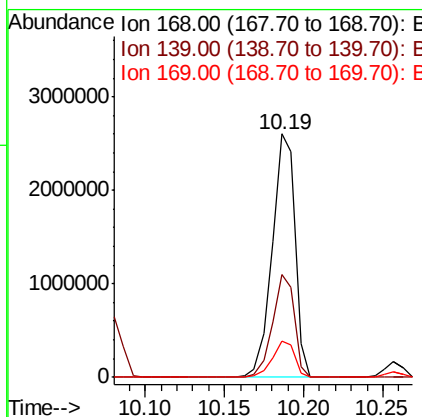
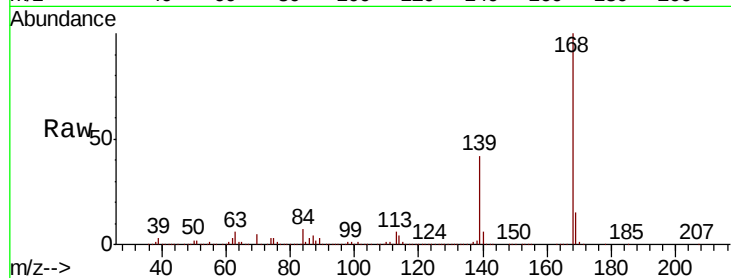
#55
Dibenzofuran
Concen: 44.491 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.0	33.2	49.8
169	15.0	11.7	17.5

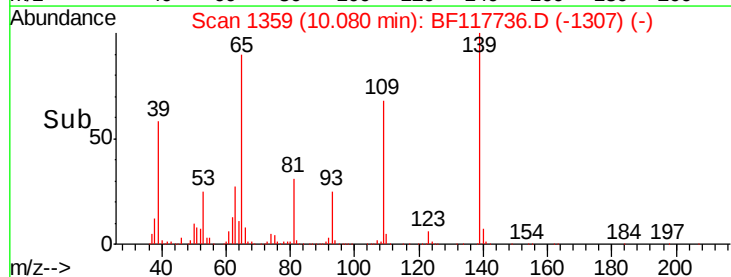
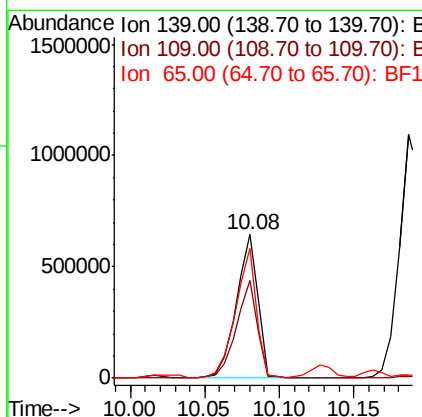
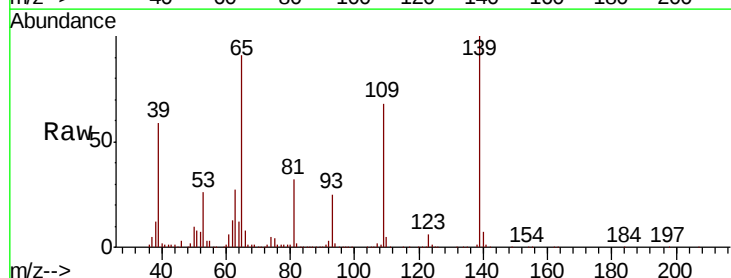
Manual Integrations
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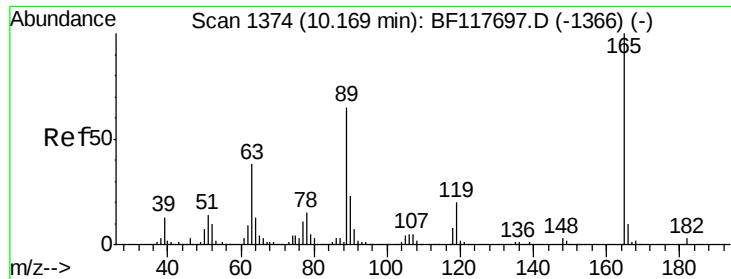
mohammad
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#56
4-Nitrophenol
Concen: 61.723 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.4	47.7	87.7
65	90.6	71.9	111.9





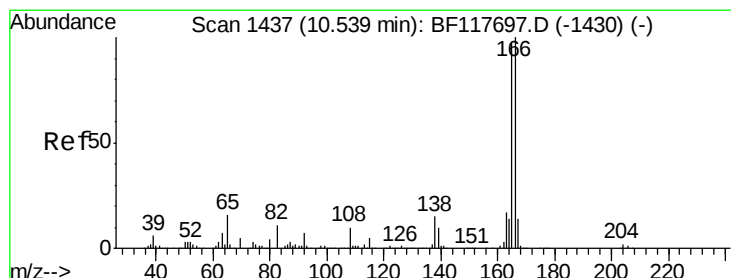
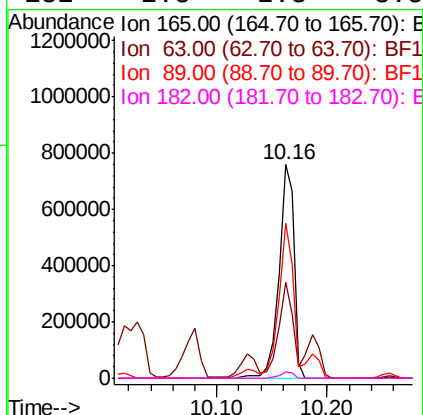
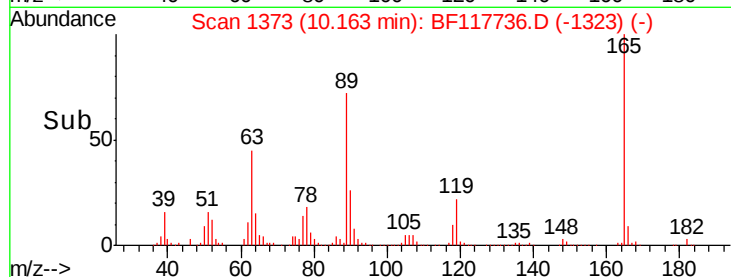
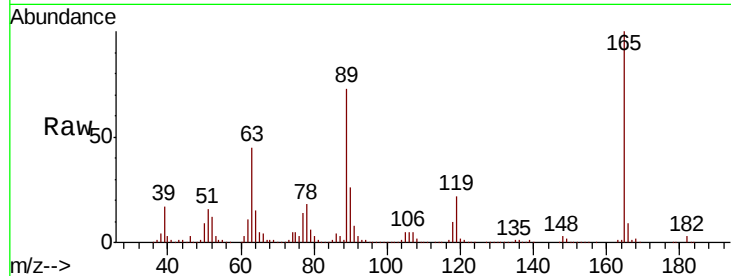
#57
2,4-Dinitrotoluene
Concen: 48.539 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	725510		
63	45.1	30.4	45.6	
89	72.5	52.2	78.4	
182	2.8	2.3	3.5	

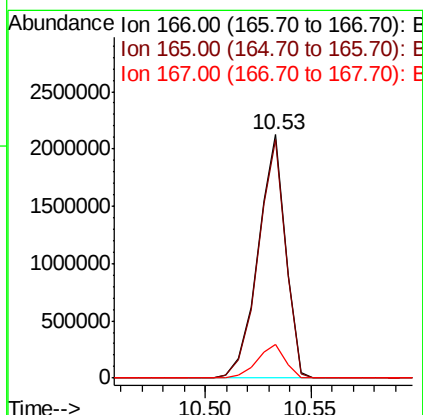
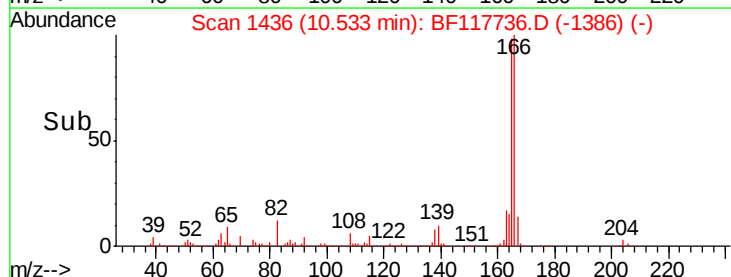
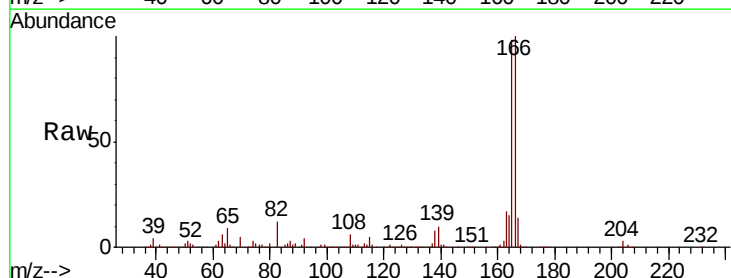
Manual Integrations
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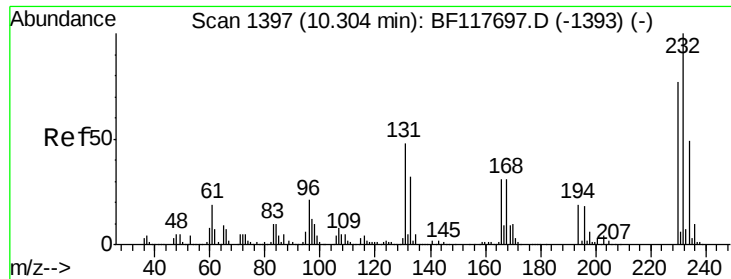
mohammad
11/11/2019 8:06:13 AM



#58
Fluorene
Concen: 44.223 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1917289		
165	97.9	77.4	116.0	
167	14.0	11.0	16.4	





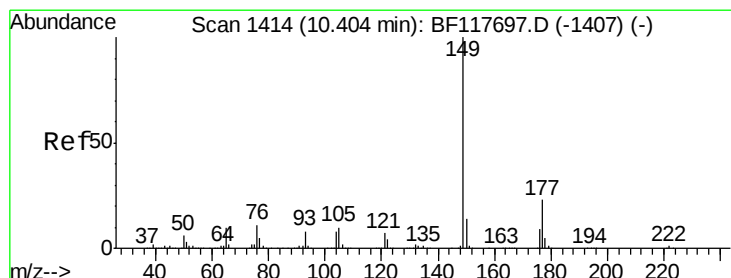
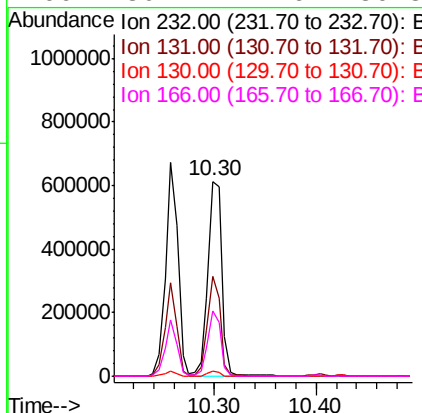
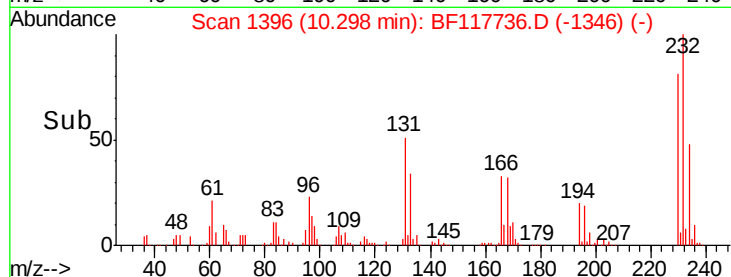
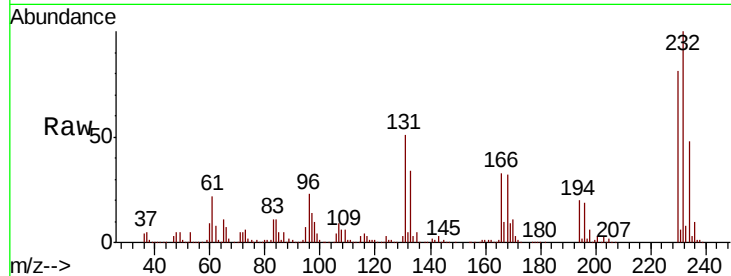
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.726 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	590891		
131	47.1		37.8	56.8
130	2.3		1.9	2.9
166	30.4		24.6	36.8

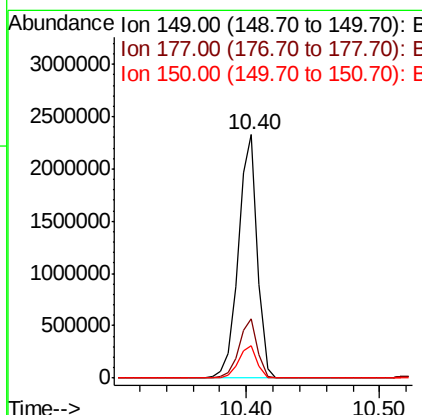
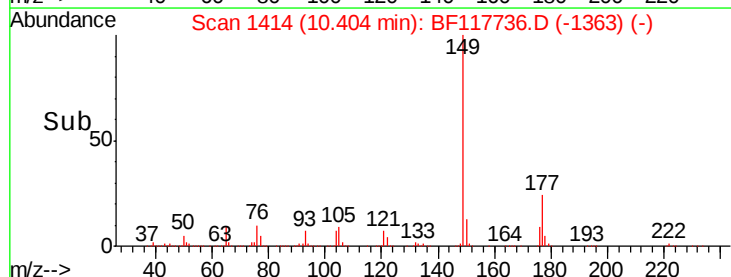
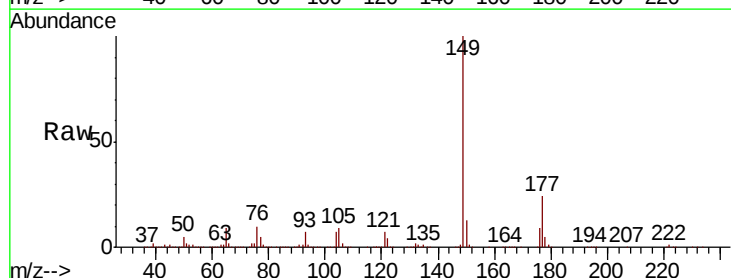
Manual Integrations
APPROVED

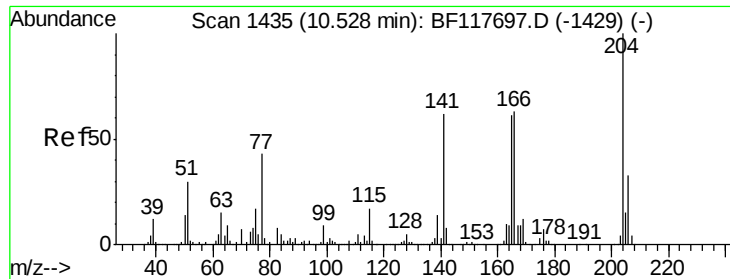
mohammad
11/11/2019 8:06:13 AM



#60
Diethylphthalate
Concen: 44.626 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2283681		
177	24.2		18.8	28.2
150	13.4		10.8	16.2





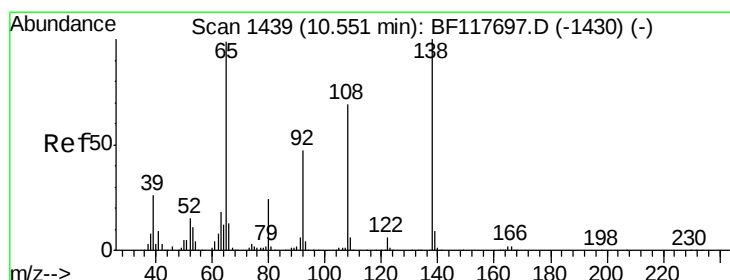
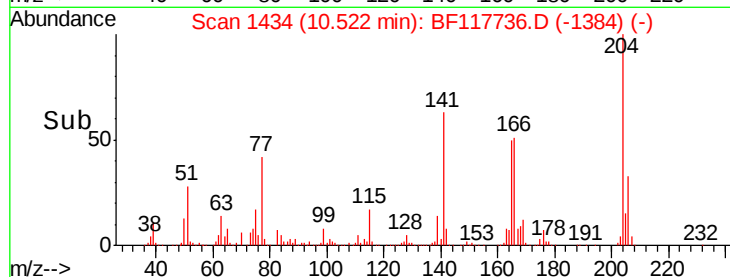
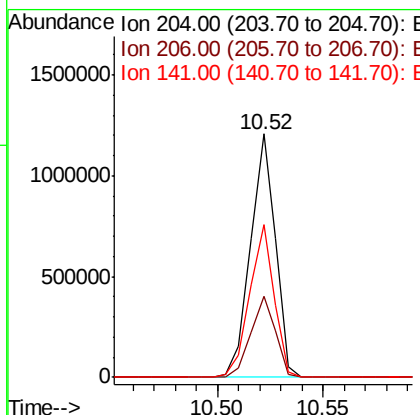
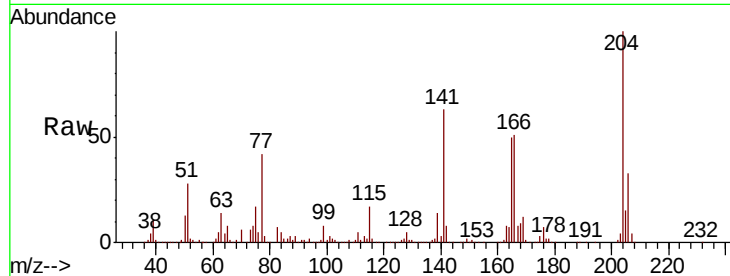
#61
4-Chlorophenyl-phenylether
Concen: 44.017 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.2	39.4
141	62.6	49.7	74.5

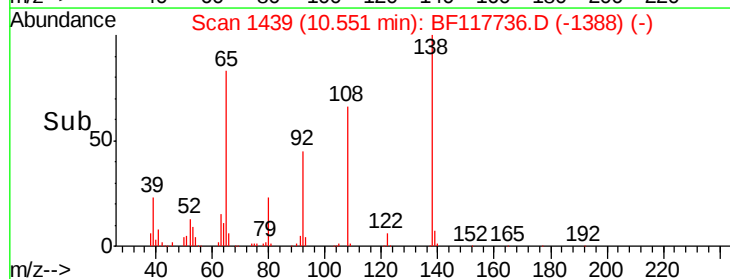
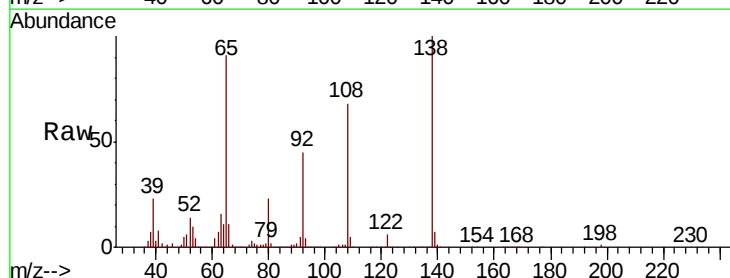
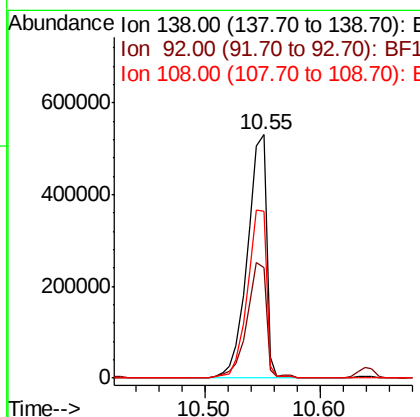
Manual Integrations
APPROVED

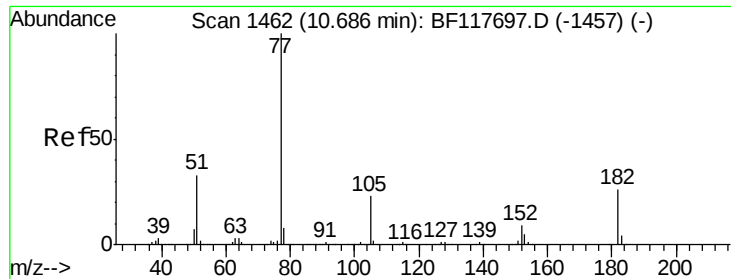
mohammad
11/11/2019 8:06:13 AM



#62
4-Nitroaniline
Concen: 43.945 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.2	26.9	66.9
108	68.4	49.1	89.1





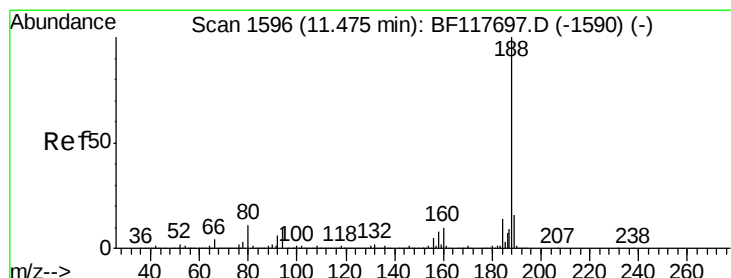
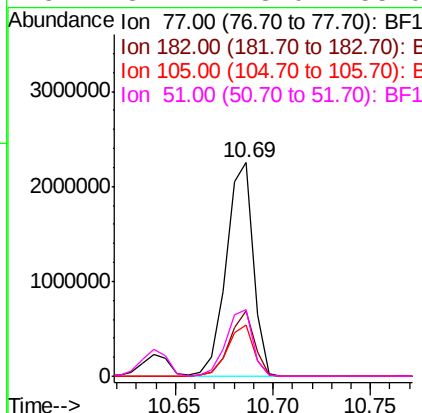
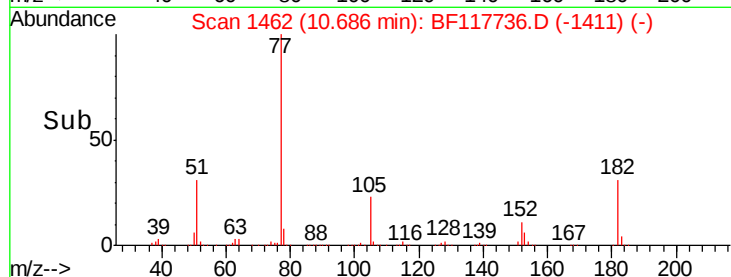
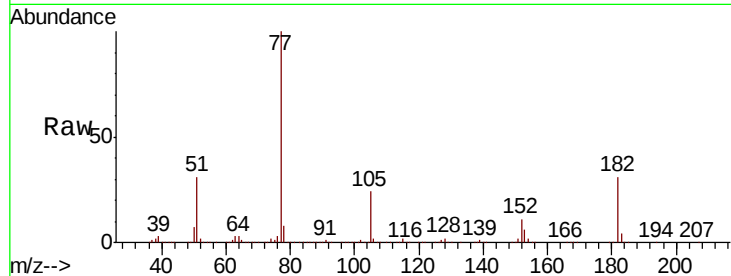
#63
Azobenzene
Concen: 44.477 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion: 77 Resp: 2155709
Ion Ratio Lower Upper
77 100
182 30.6 6.0 46.0
105 23.8 2.8 42.8
51 31.1 13.0 53.0

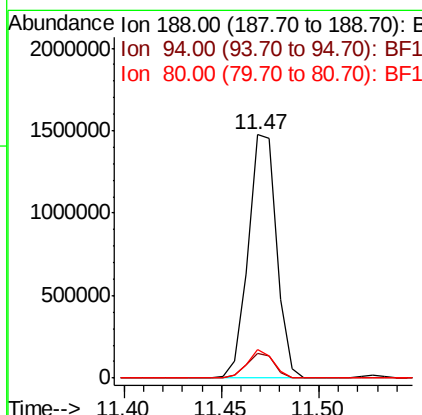
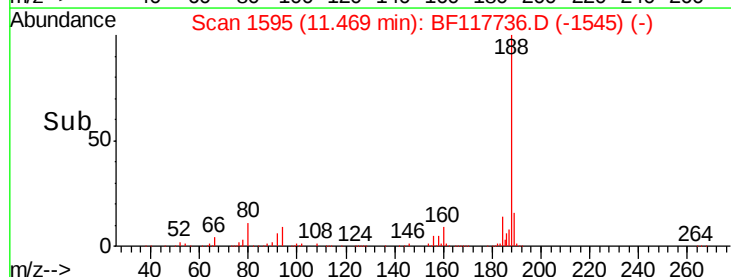
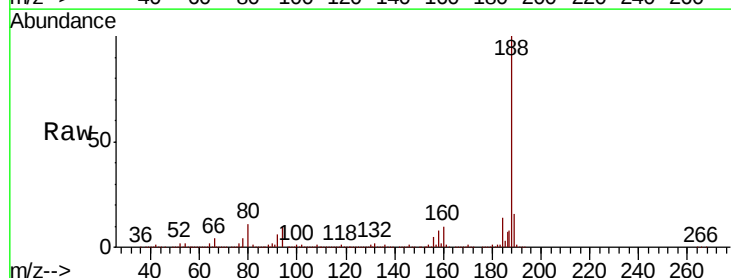
Manual Integrations
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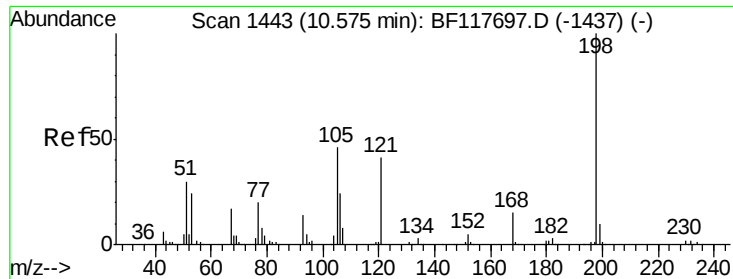
mohammad
11/11/2019 8:06:13 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion: 188 Resp: 1485653
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.4
80 11.5 8.6 13.0





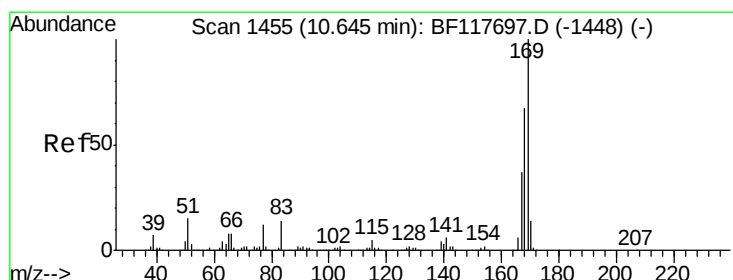
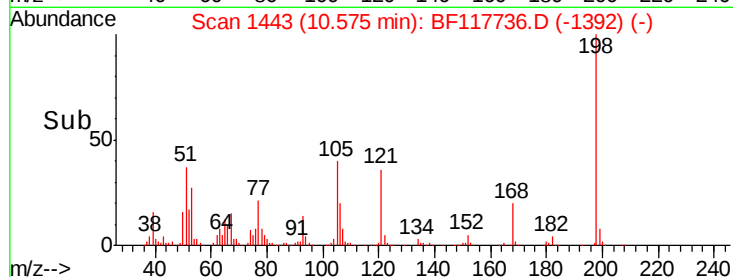
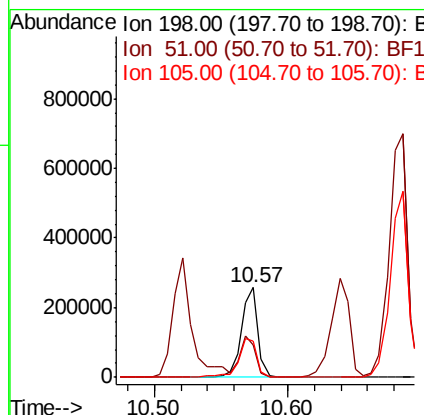
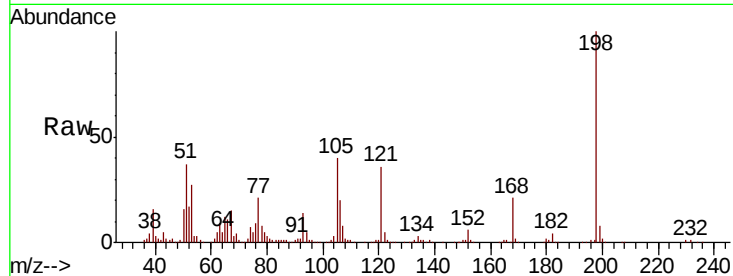
#65
4,6-Dinitro-2-methylphenol
Concen: 36.923 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	219039		
51	36.8	28.1	68.1	
105	39.9	27.3	67.3	

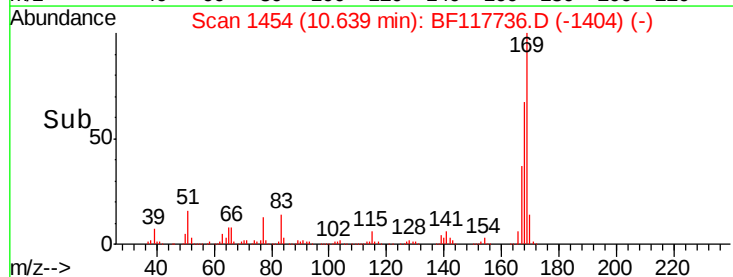
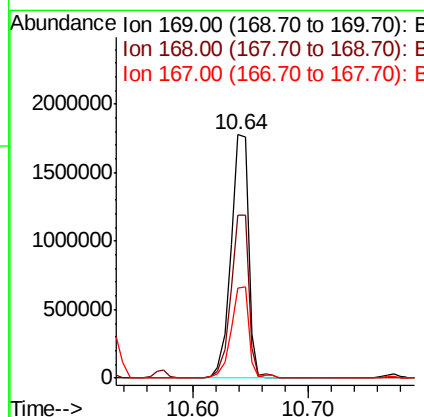
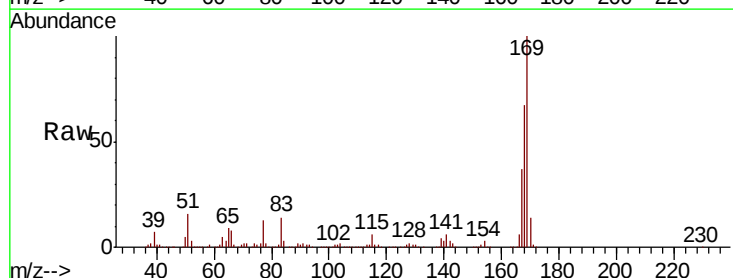
Manual Integrations
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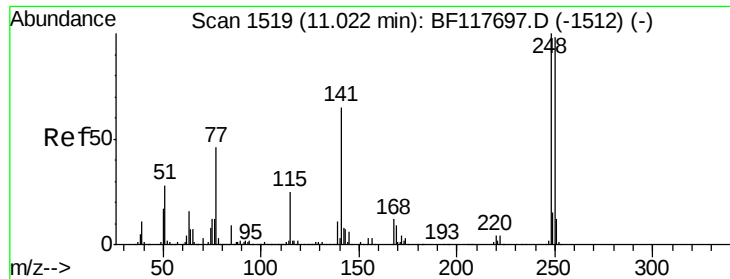
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 42.493 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1864547		
168	67.2	53.8	80.8	
167	37.2	29.9	44.9	





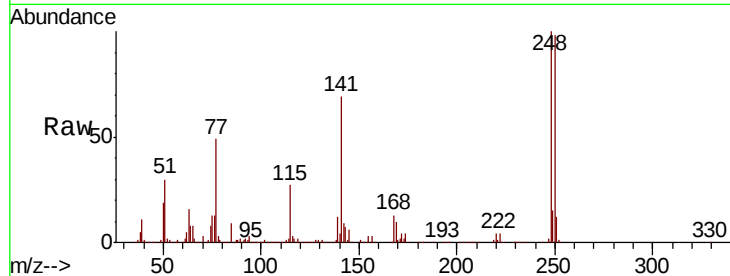
#67
4-Bromophenyl-phenylether
Concen: 41.863 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleID :
PB124647BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.7	118.1
141	68.8	51.8	77.8

Manual Integrations
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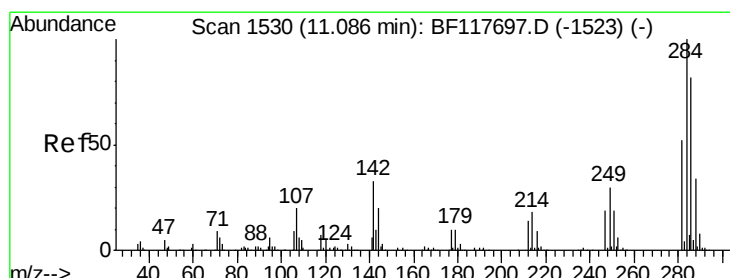
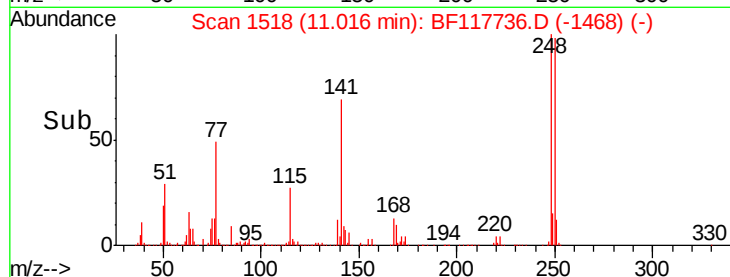
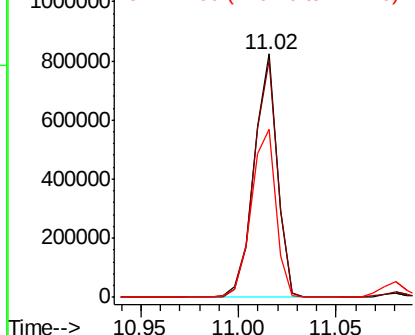


Abundance

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: 40.918 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

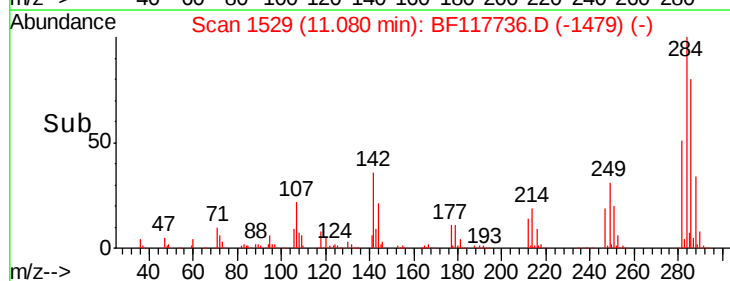
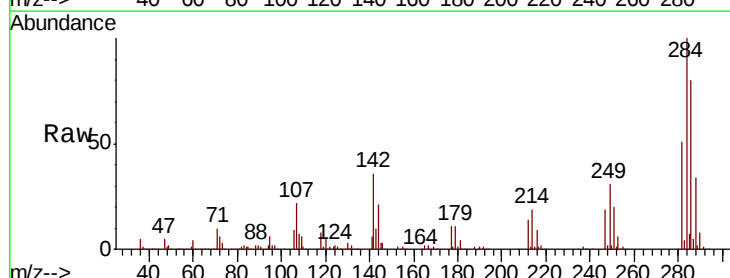
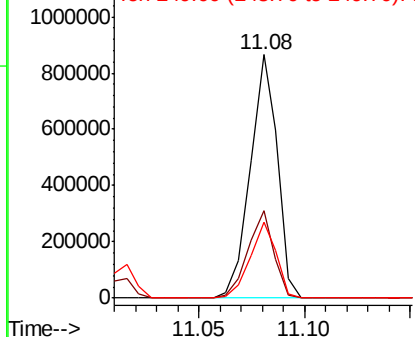
Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.8	26.6	39.8
249	31.0	24.4	36.6

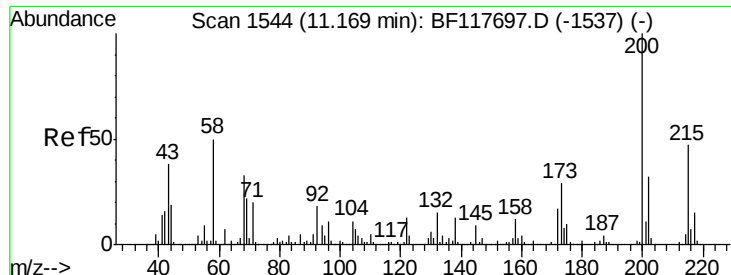
Abundance

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





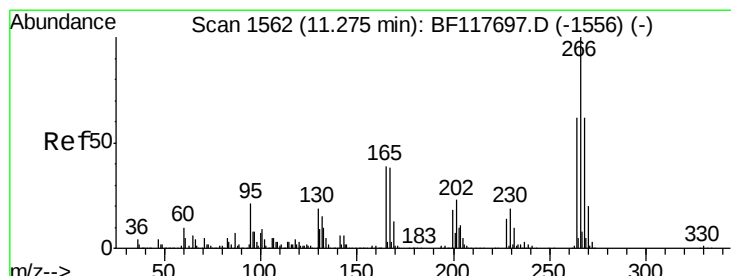
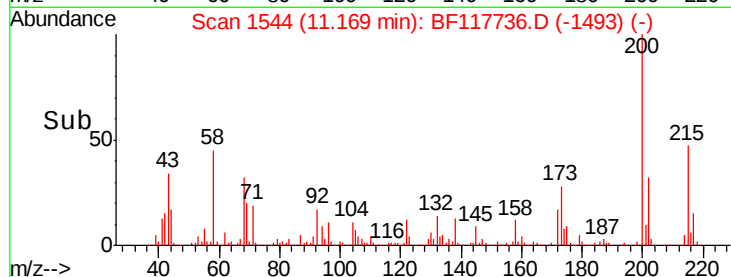
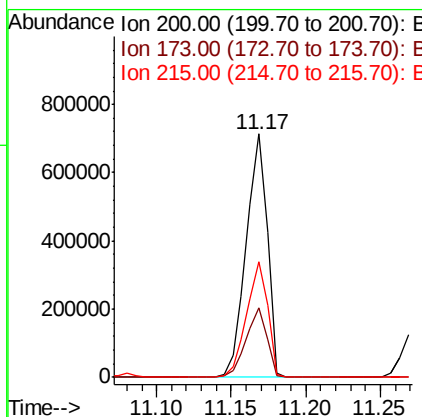
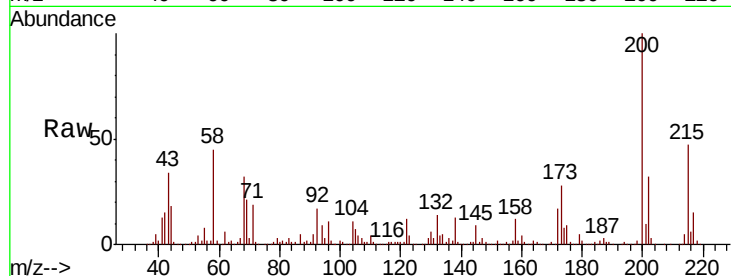
#69
Atrazine
Concen: 48.407 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.5	8.5	48.5
215	47.3	27.4	67.4

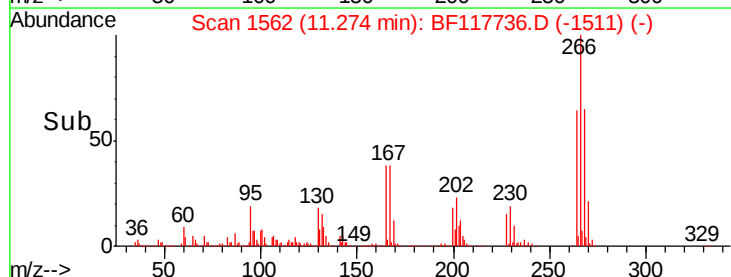
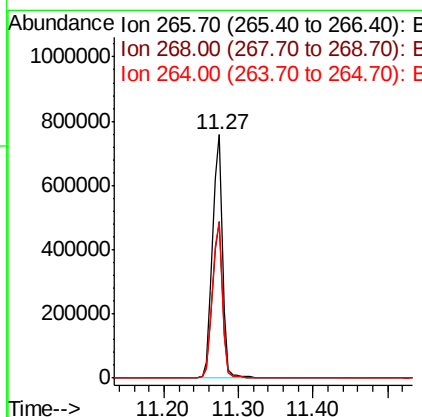
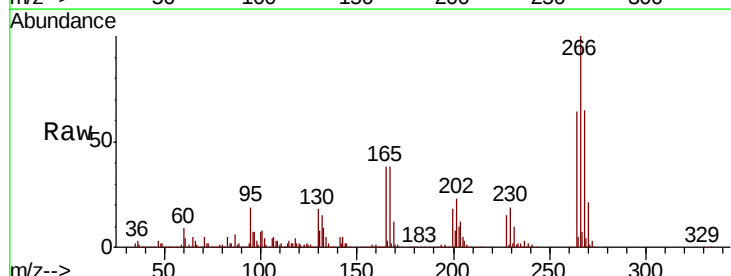
Manual Integrations
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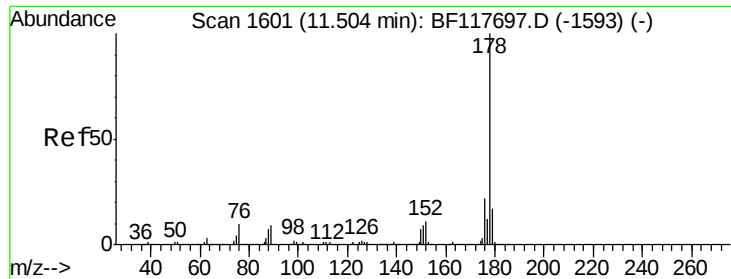
mohammad
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#70
Pentachlorophenol
Concen: 67.541 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.5	49.8	74.6
264	63.5	49.7	74.5





#71

Phenanthrene

Concen: 41.984 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion:178 Resp: 2989708

Ion Ratio Lower Upper

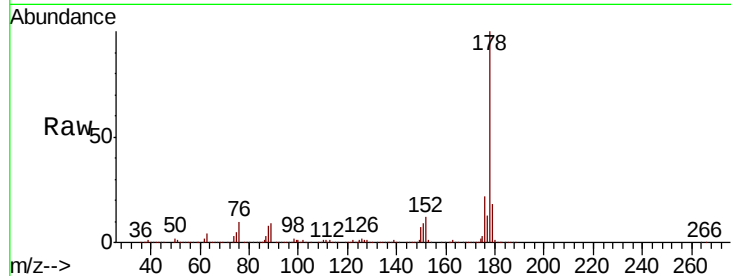
178 100

176 22.4 17.7 26.5

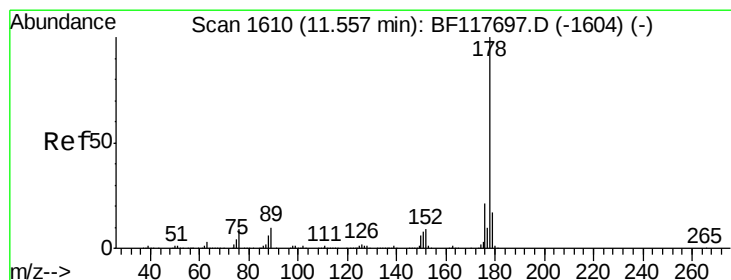
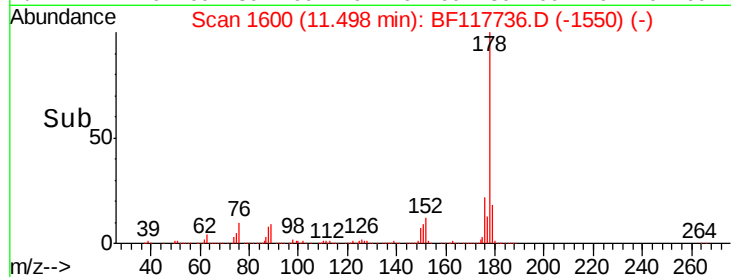
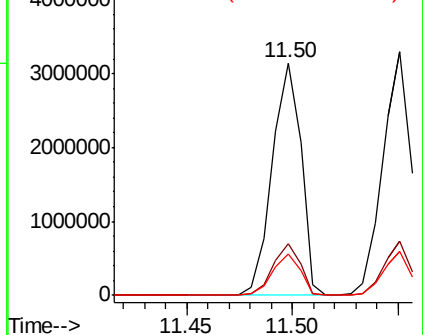
179 17.8 13.8 20.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.057 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Tgt Ion:178 Resp: 3050437

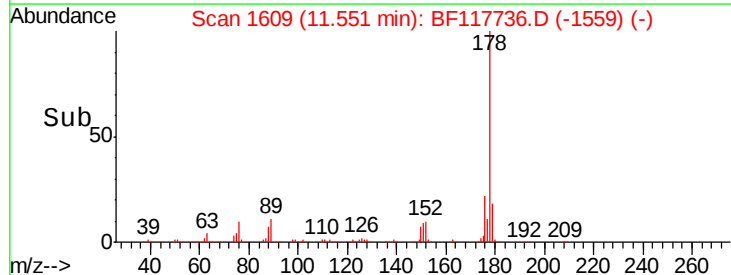
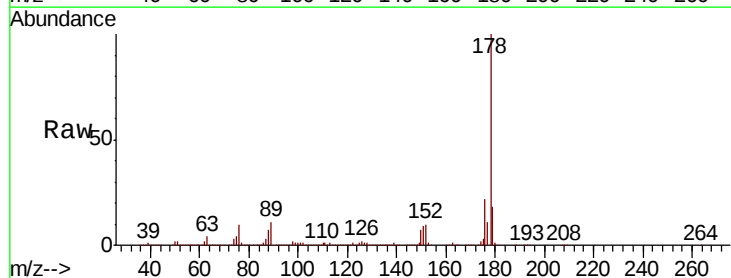
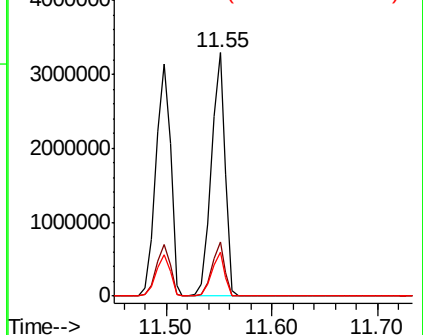
Ion Ratio Lower Upper

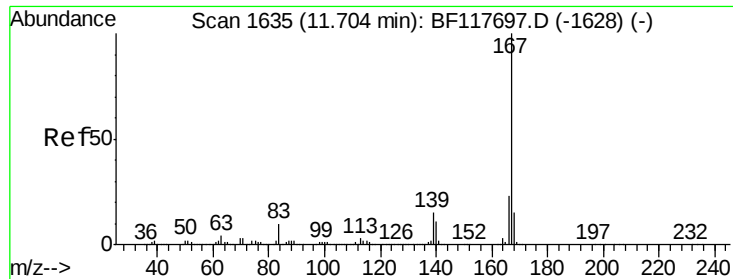
178 100

176 22.1 16.6 25.0

179 18.0 13.5 20.3

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





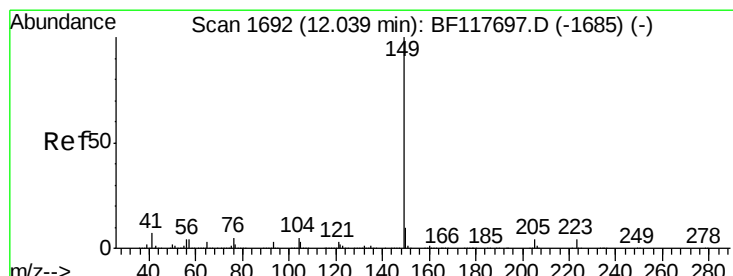
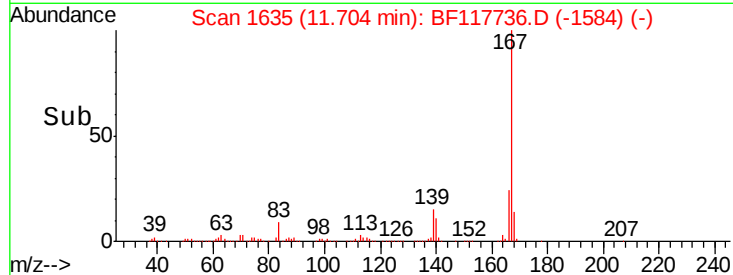
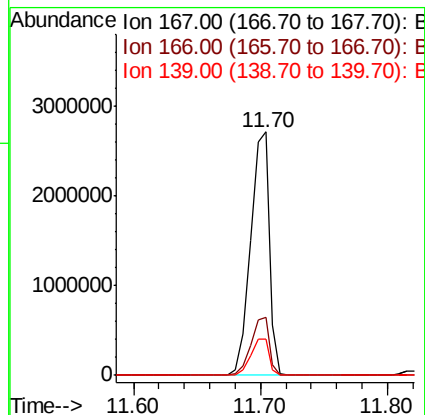
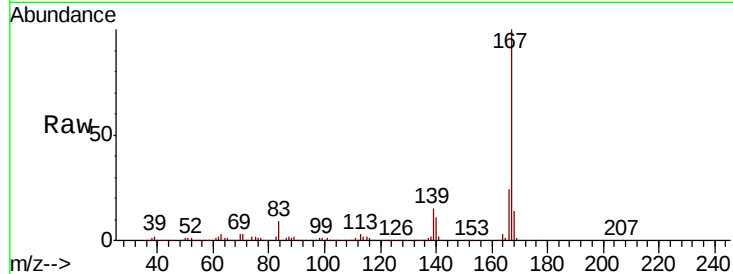
#73
 Carbazole
 Concen: 43.472 ng
 RT: 11.70 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :
 PB124647BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.6	27.8
139	14.8	11.9	17.9

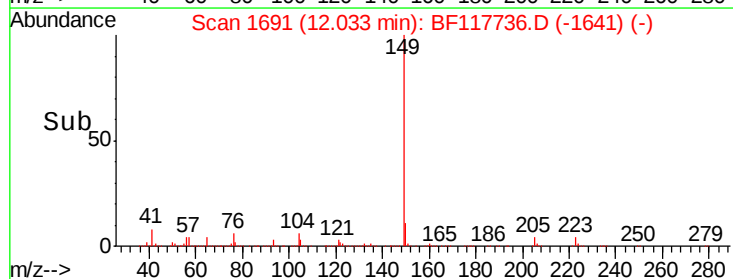
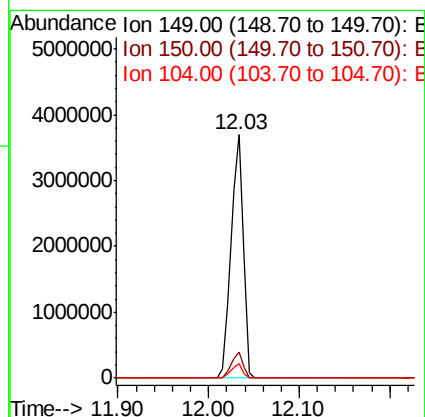
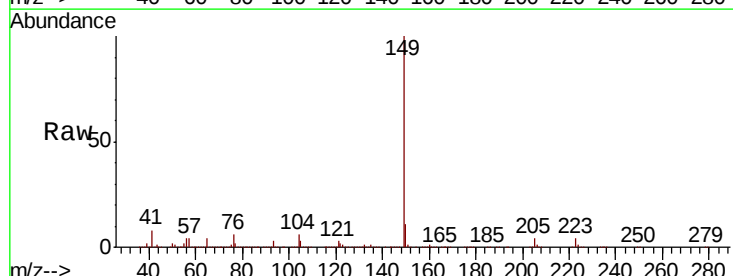
Manual Integrations
 APPROVED

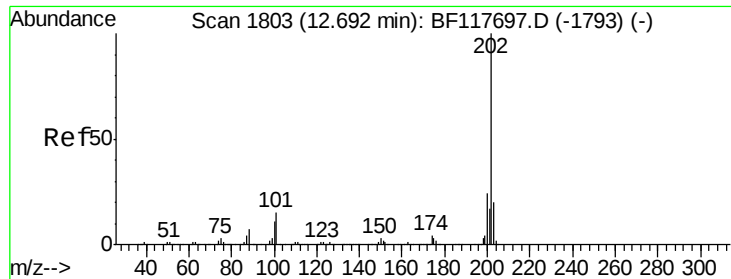
mohammad
 11/11/2019 8:06:13 AM



#74
 Di-n-butylphthalate
 Concen: 43.472 ng
 RT: 12.03 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BF117736.D
 Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.8	8.3	12.5
104	5.8	4.2	6.4





#75

Fluoranthene

Concen: 43.371 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

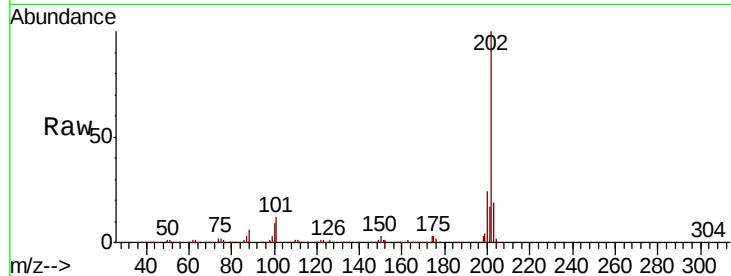
ClientSampleId :

PB124647BS

Tot Ion:	202	Resp:	3153576
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.5
203	19.3	0.0	39.8

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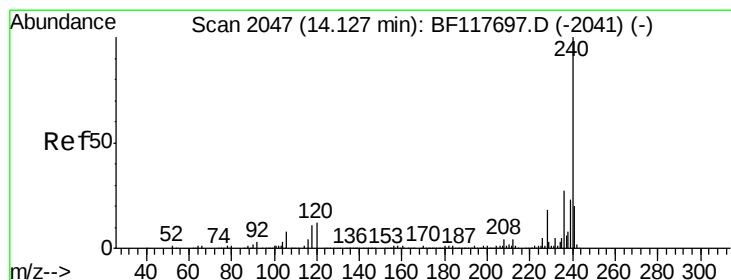
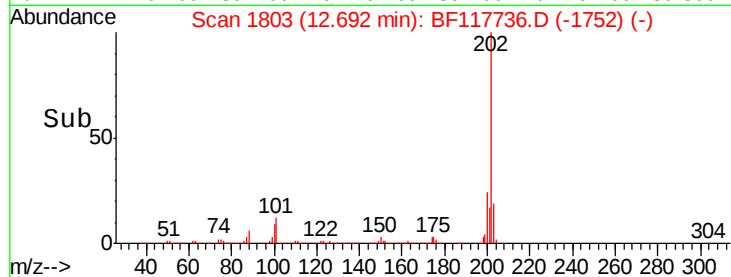
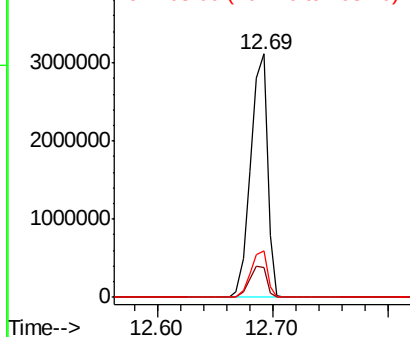


Abundance

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# 2046

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

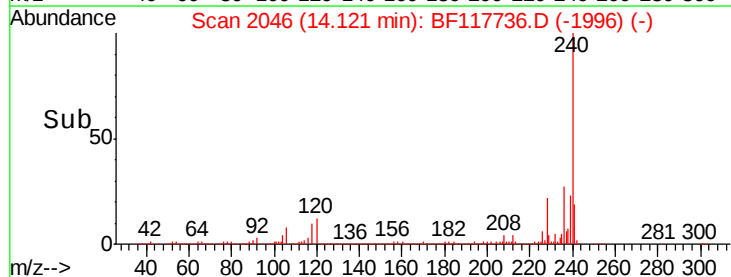
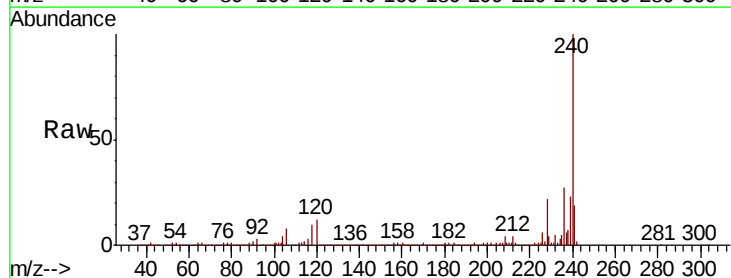
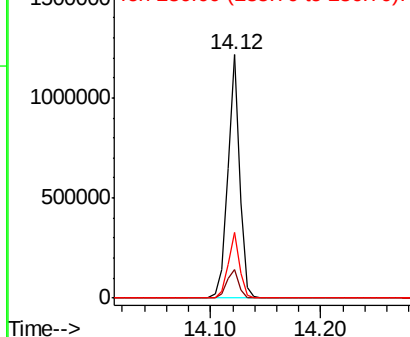
Tgt Ion:	240	Resp:	908249
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	27.1	21.9	32.9

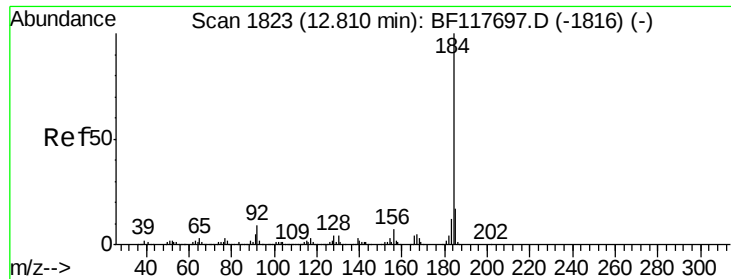
Abundance

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





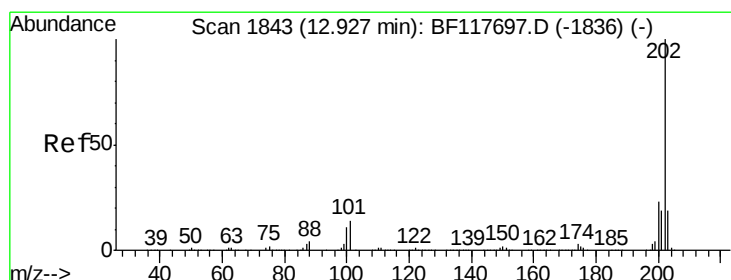
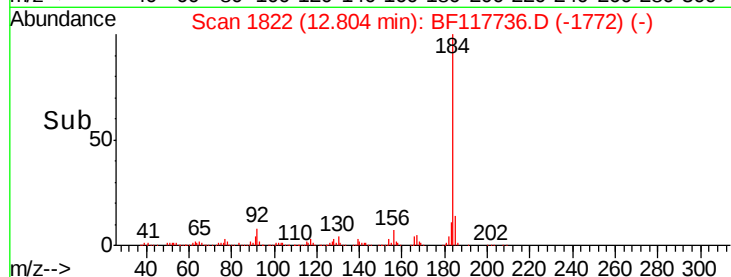
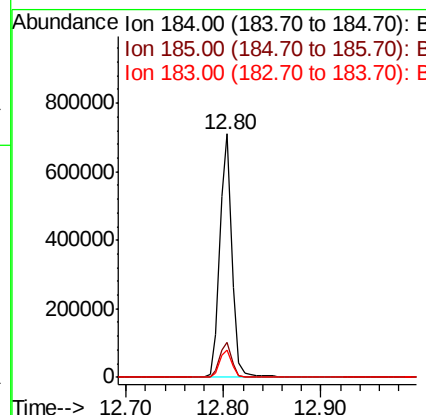
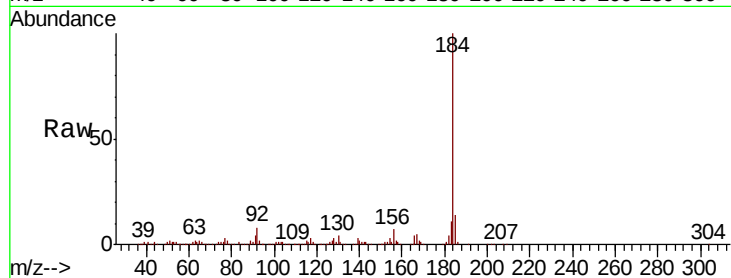
#77
Benzidine
Concen: 19.386 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.4	13.3	19.9
183	11.4	9.6	14.4

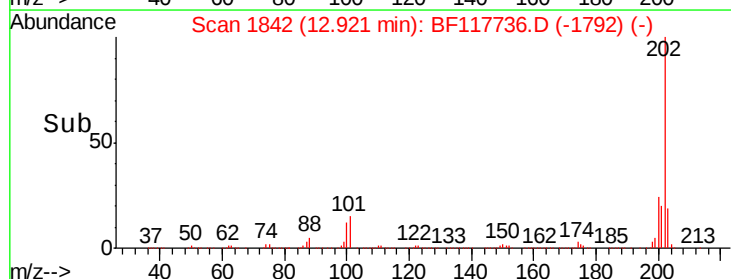
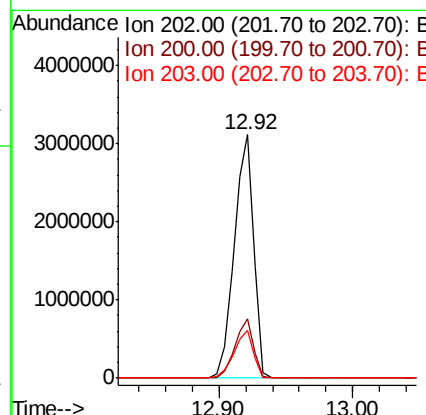
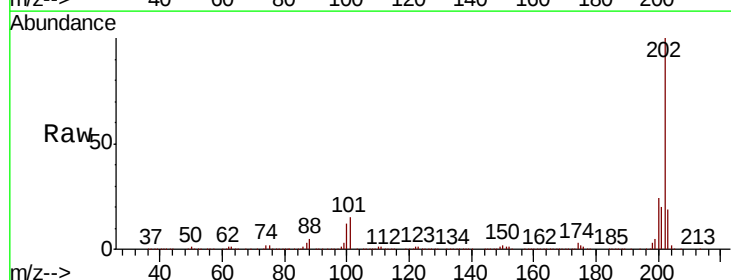
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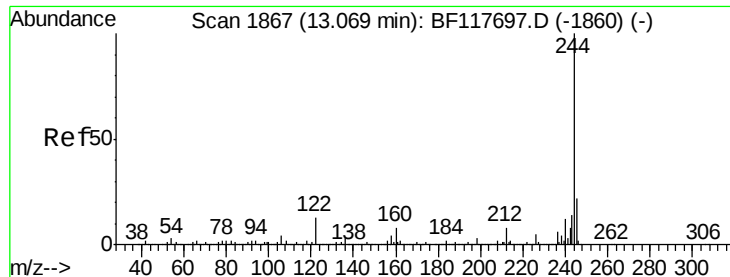
mohammad
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#78
Pyrene
Concen: 48.083 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.2	18.8	28.2
203	19.4	15.2	22.8





#79

Terphenyl-d14

Concen: 98.920 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion:244 Resp: 4364338

Ion Ratio Lower Upper

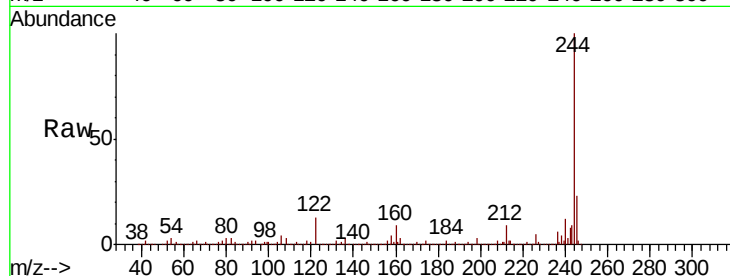
244 100

212 8.5 6.4 9.6

122 12.7 10.0 15.0

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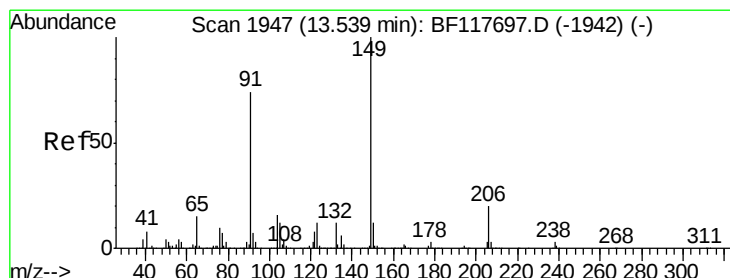
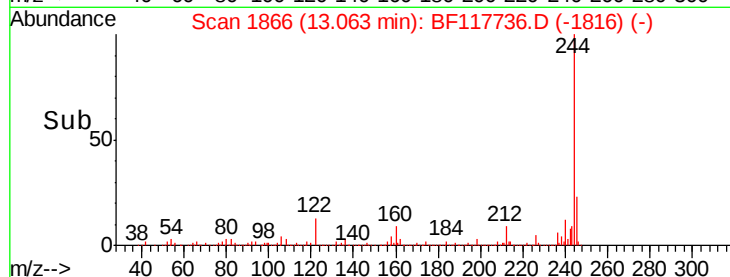
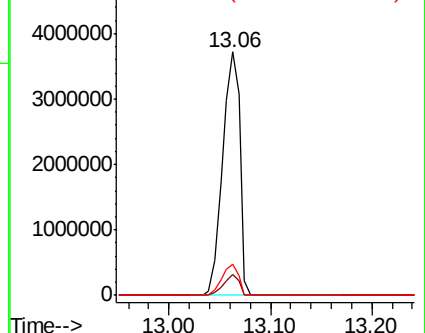
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 50.320 ng

RT: 13.53 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

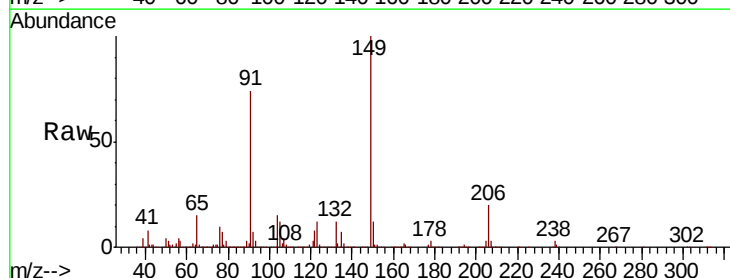
Tgt Ion:149 Resp: 1541032

Ion Ratio Lower Upper

149 100

91 73.5 59.1 88.7

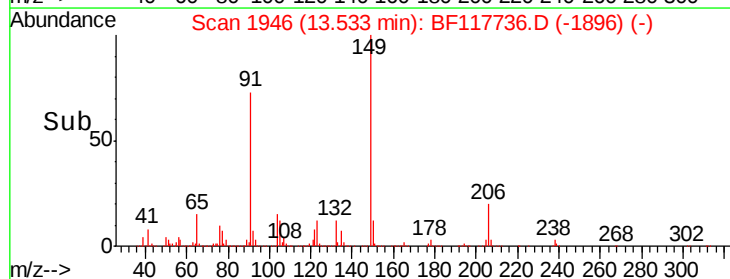
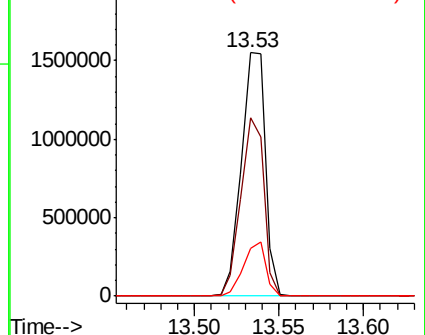
206 19.7 16.1 24.1

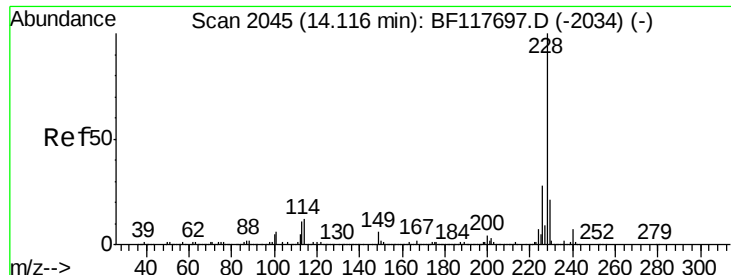


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.171 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion:228 Resp: 2440664

Ion Ratio Lower Upper

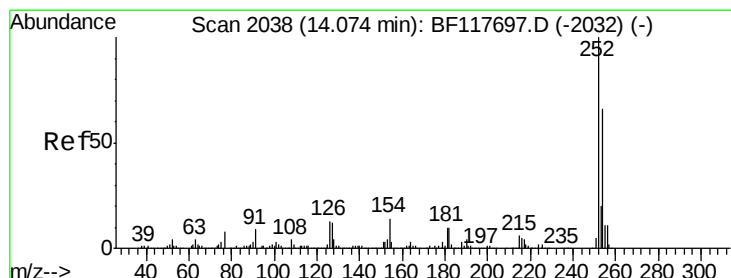
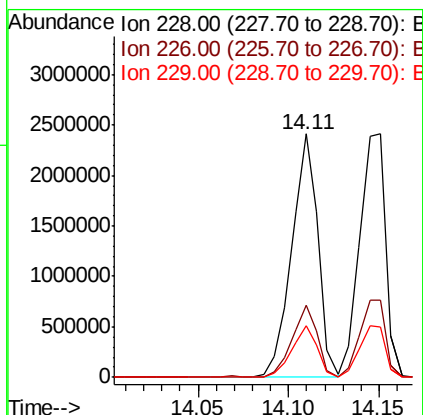
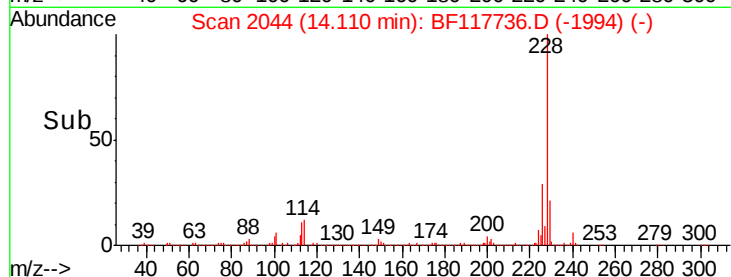
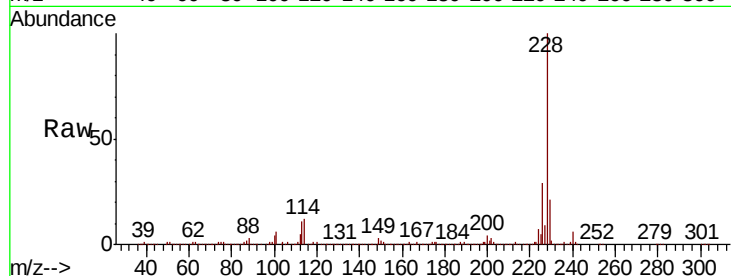
228 100

226 29.5 22.8 34.2

229 21.2 16.9 25.3

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#82

3,3'-Dichlorobenzidine

Concen: 28.665 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

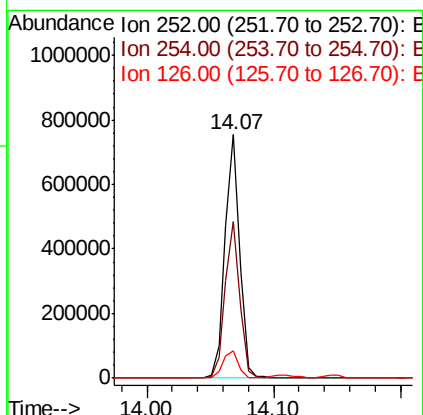
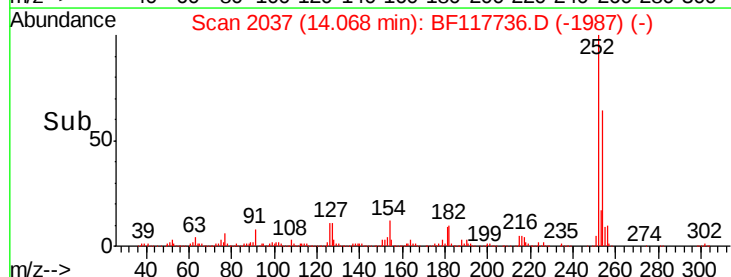
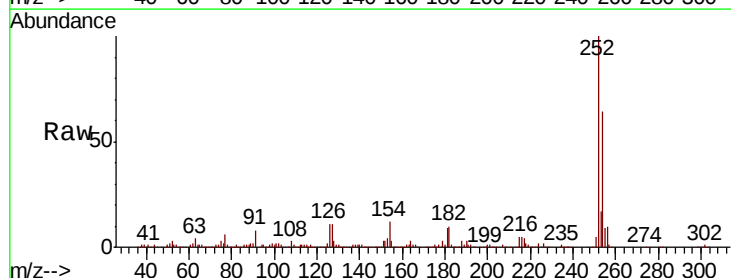
Tgt Ion:252 Resp: 605254

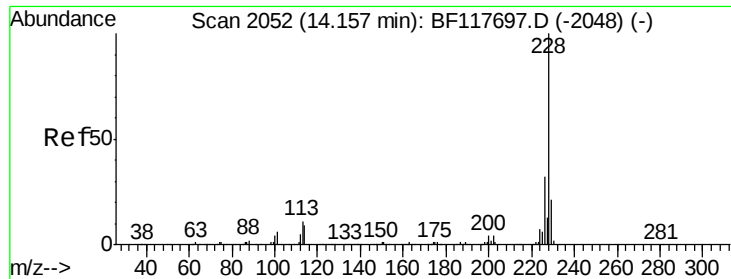
Ion Ratio Lower Upper

252 100

254 64.3 53.1 79.7

126 11.3 10.3 15.5





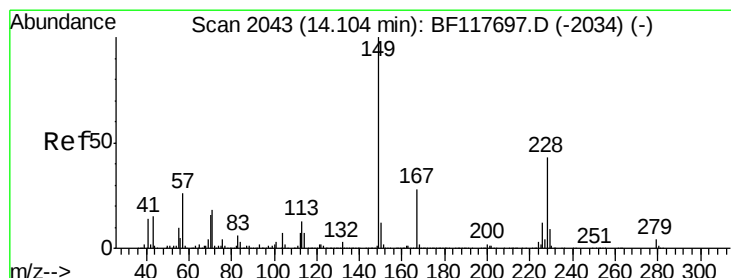
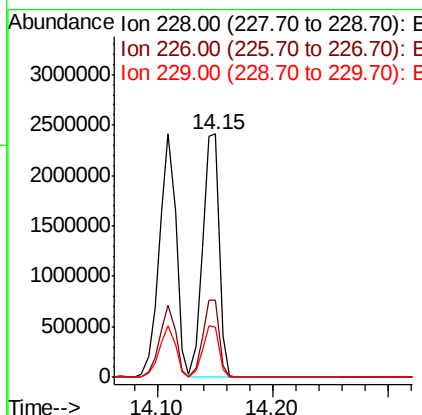
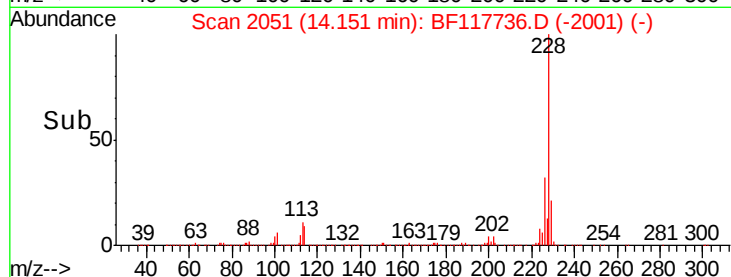
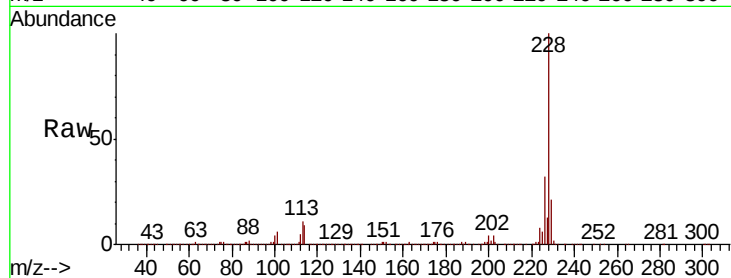
#83
Chrysene
Concen: 43.255 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion:228 Resp: 2414941
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 20.9 16.6 24.8

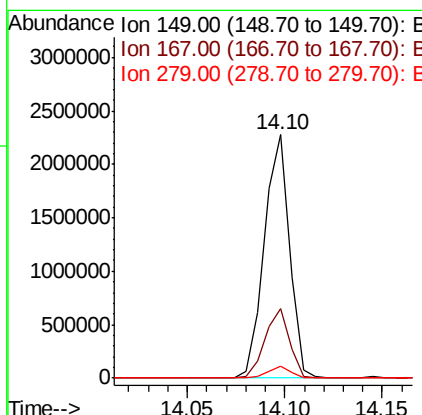
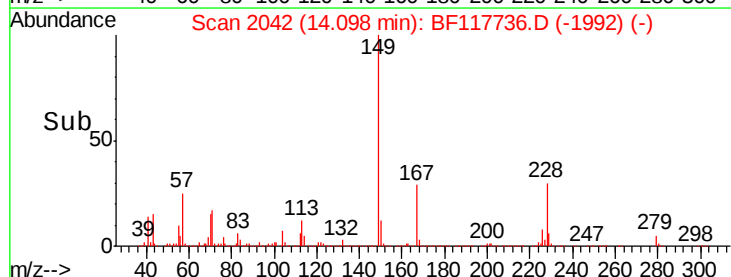
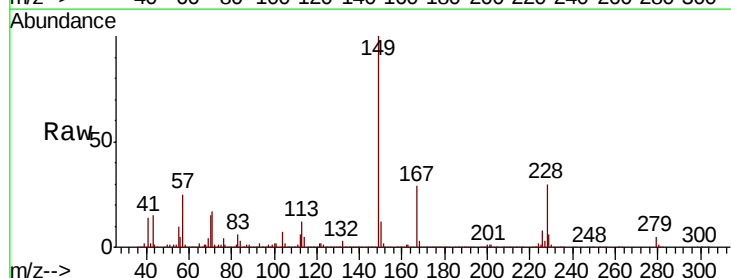
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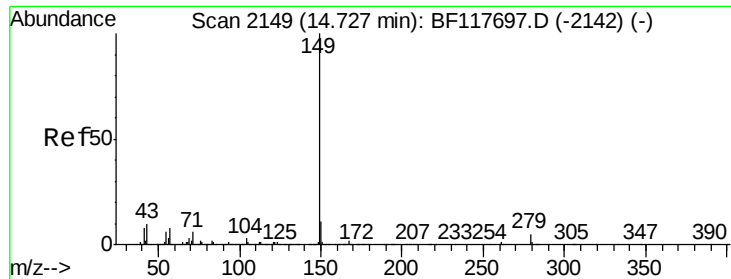
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#84
Bis(2-ethylhexyl)phthalate
Concen: 51.442 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion:149 Resp: 2032153
Ion Ratio Lower Upper
149 100
167 28.8 22.2 33.2
279 4.7 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 52.936 ng

RT: 14.72 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

Instrument :

BNA_F

ClientSampleId :

PB124647BS

Tot Ion:149 Resp: 3290733

Ion Ratio Lower Upper

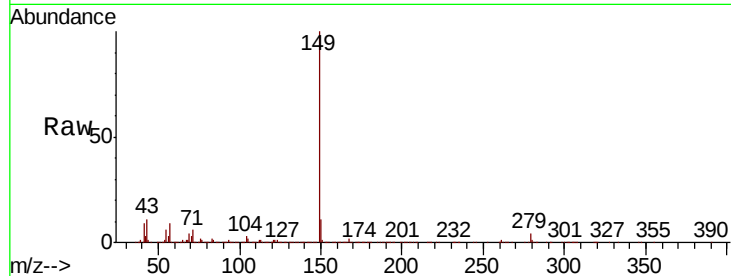
149 100

167 1.7 1.3 1.9

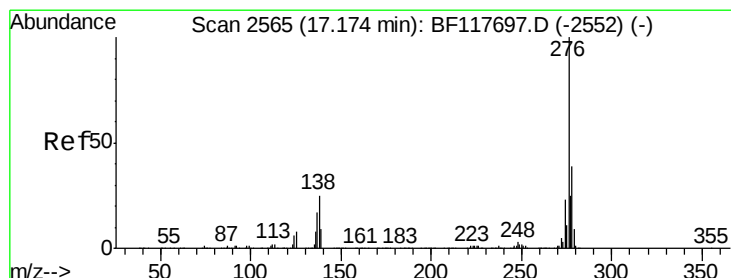
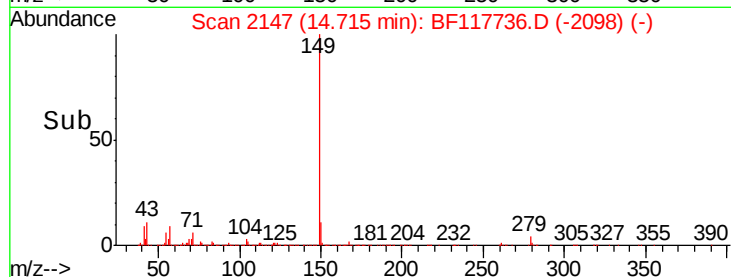
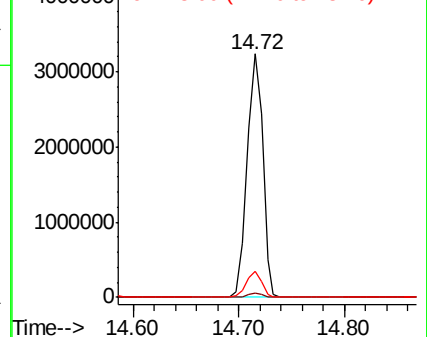
43 10.1 8.4 12.6

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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: 48.768 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.01 min

Lab File: BF117736.D

Acq: 8 Nov 2019 17:36

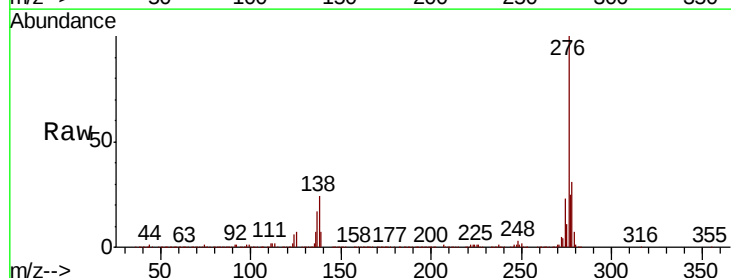
Tgt Ion:276 Resp: 2534211

Ion Ratio Lower Upper

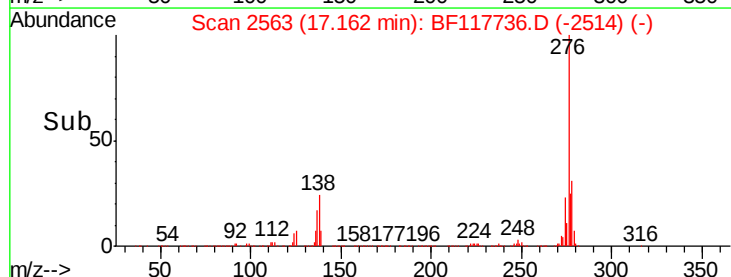
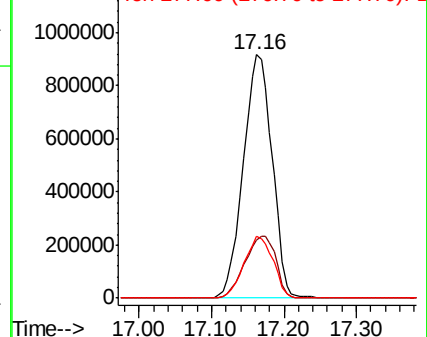
276 100

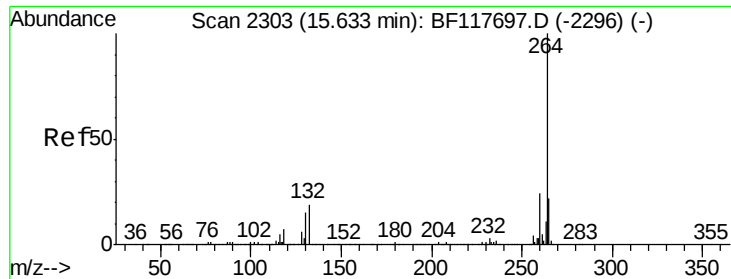
138 27.5 22.4 33.6

277 25.7 20.6 30.8



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





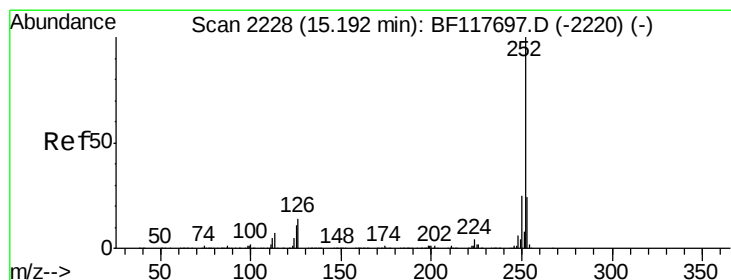
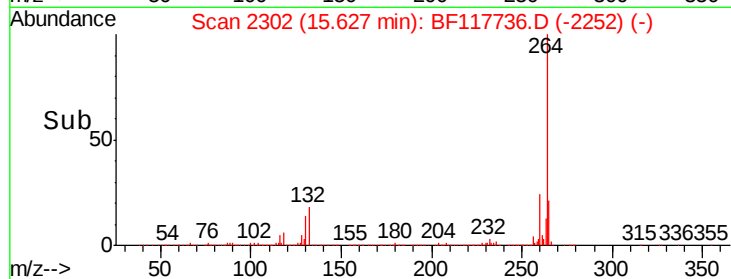
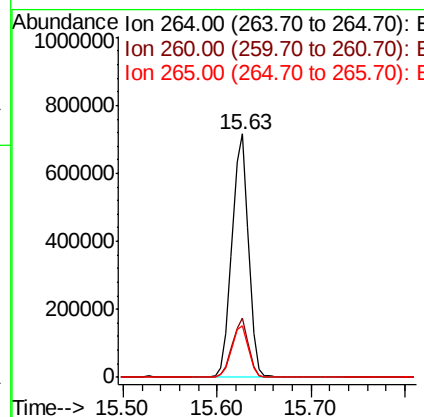
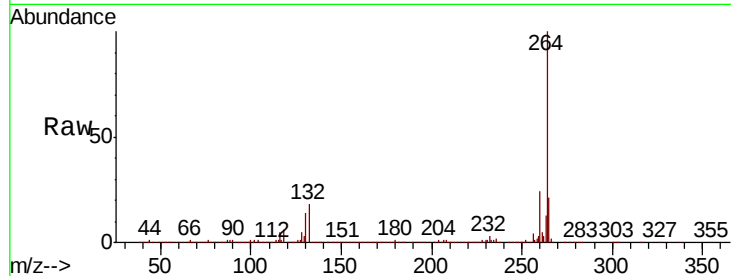
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	21.2	17.7	26.5

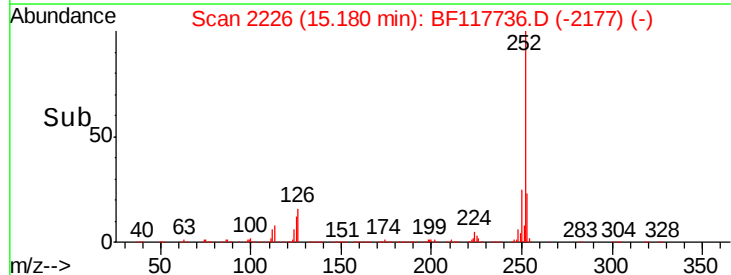
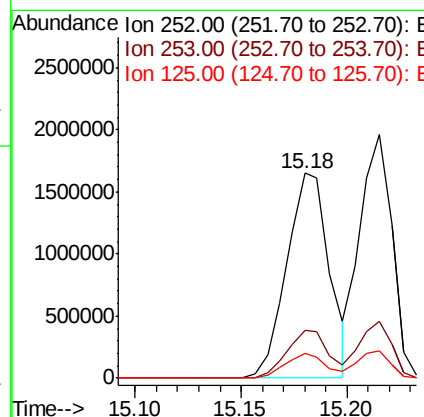
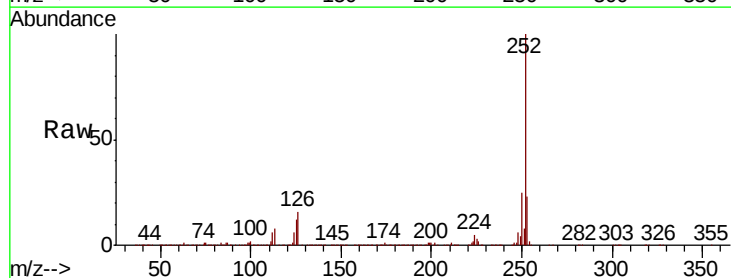
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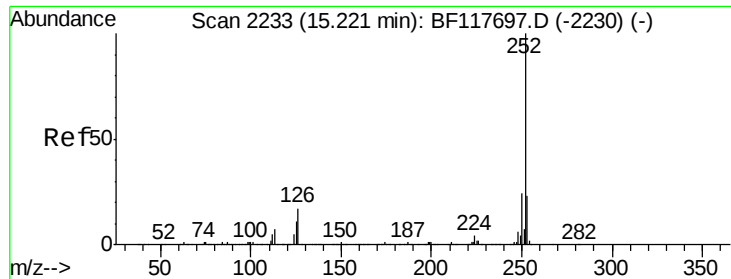
mohammad
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#88
Benzo(b)fluoranthene
Concen: 41.948 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.9	28.3
125	11.8	8.5	12.7





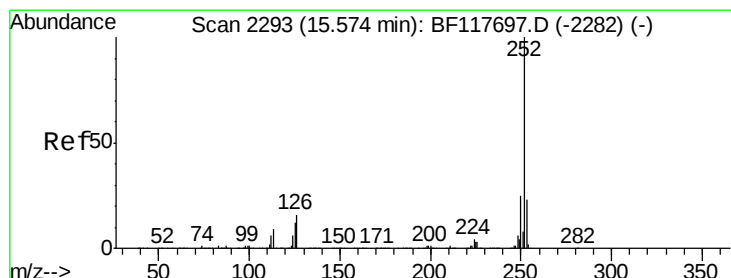
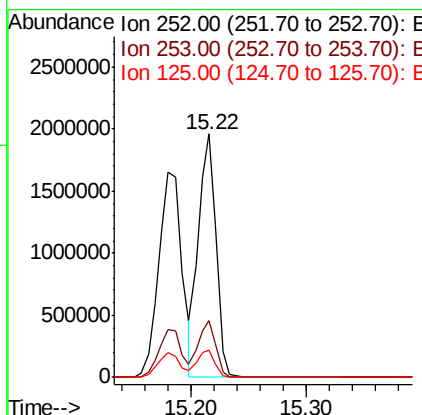
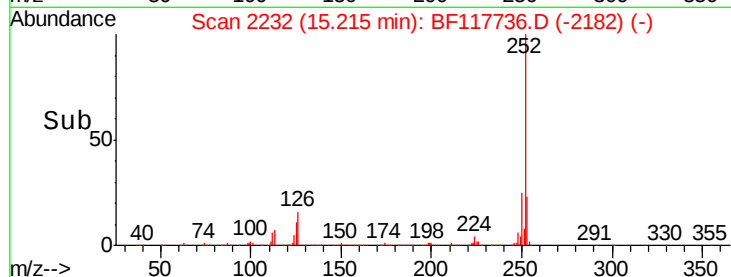
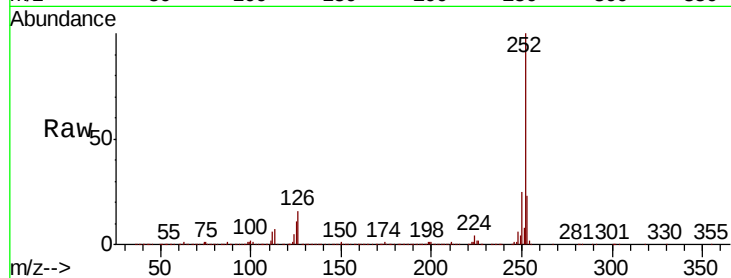
#89
Benzo(k)fluoranthene
Concen: 42.907 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampled :
PB124647BS

Tot Ion:252 Resp: 2112451
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 11.3 9.1 13.7

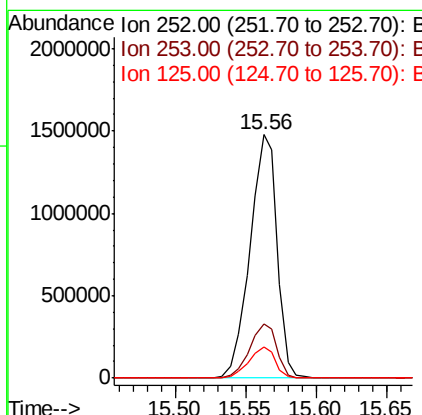
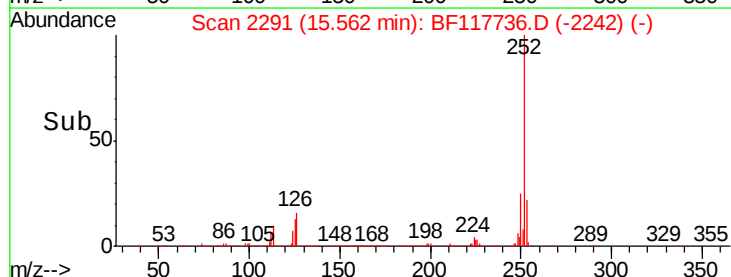
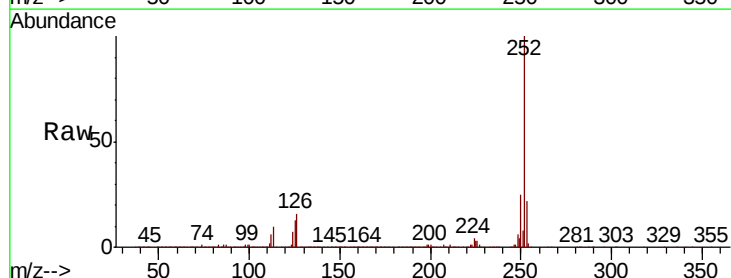
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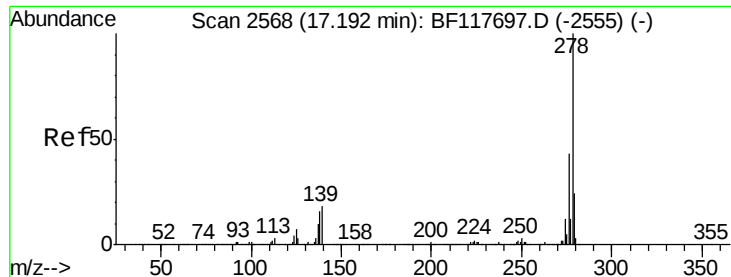
mohammad
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#90
Benzo(a)pyrene
Concen: 41.767 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion:252 Resp: 1998641
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 12.9 9.5 14.3





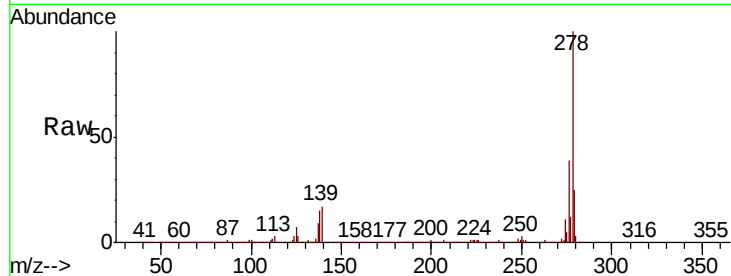
#91
Dibenzo(a,h)anthracene
Concen: 48.453 ng
RT: 17.19 min Scan# 2567
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Instrument :
BNA_F
ClientSampleId :
PB124647BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.3	21.5
279	24.9	19.0	28.6

Manual Integrations
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mohammad
11/11/2019 8:06:13 AM

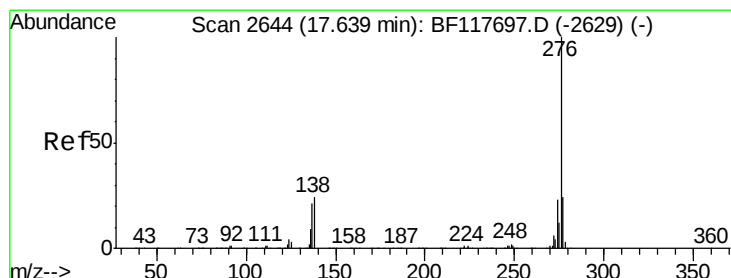
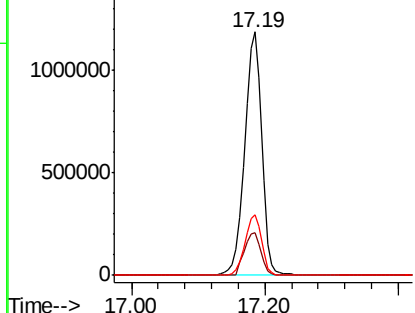
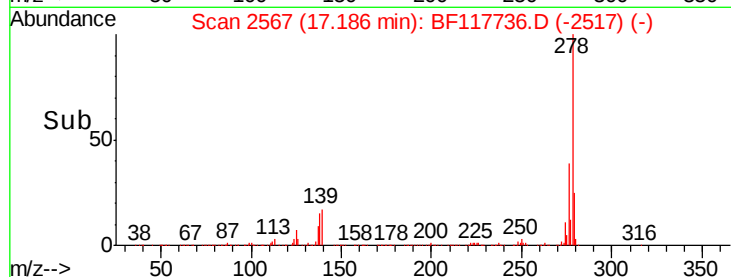


Abundance

Ion 278.00 (277.70 to 278.70): E

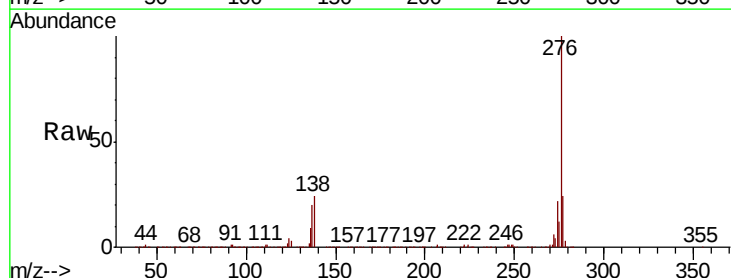
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 50.761 ng
RT: 17.63 min Scan# 2643
Delta R.T. -0.01 min
Lab File: BF117736.D
Acq: 8 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	24.2	19.2	28.8



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

