

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
 Data File : BF115993.D
 Acq On : 5 Aug 2019 21:21
 Operator : HP/JU
 Sample : K4093-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:45:48 PM

Quant Time: Aug 06 04:01:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140235	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	543325	20.00	ng	-0.01
39) Acenaphthene-d10	9.88	164	292127	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	514921	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	372522	20.00	ng	-0.02
87) Perylene-d12	15.47	264	339449	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1017002	121.41	ng	0.02
7) Phenol-d6	6.49	99	1236976	117.04	ng	0.00
23) Nitrobenzene-d5	7.41	82	923594	98.12	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	396992	140.17	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1609393	103.19	ng	-0.02
79) Terphenyl-d14	12.95	244	1853595	104.85	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.82	88	141556	33.449	ng	# 85
3) Pyridine	3.53	79	285994	24.192	ng	99
4) n-Nitrosodimethylamine	3.45	42	175044	37.521	ng	99
6) Aniline	6.52	93	104210	6.885	ng	# 76
8) 2-Chlorophenol	6.64	128	381152	41.147	ng	97
9) Benzaldehyde	6.40	77	178326	24.454	ng	97
10) Phenol	6.50	94	422016	33.908	ng	98
11) bis(2-Chloroethyl)ether	6.58	93	396256	43.305	ng	99
12) 1,3-Dichlorobenzene	6.79	146	417369	38.987	ng	97
13) 1,4-Dichlorobenzene	6.86	146	420820	39.259	ng	99
14) 1,2-Dichlorobenzene	7.02	146	388106	39.322	ng	99
15) Benzyl Alcohol	6.99	79	336858	41.998	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	499662	40.033	ng	93
17) 2-Methylphenol	7.10	107	322792	41.154	ng	98
18) Hexachloroethane	7.36	117	153892	38.995	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	277782	42.414	ng	97
20) 3+4-Methylphenols	7.26	107	391456	42.174	ng	# 74
22) Acetophenone	7.25	105	543766	45.634	ng	98
24) Nitrobenzene	7.43	77	438155	43.111	ng	96
25) Isophorone	7.67	82	795967	44.224	ng	99
26) 2-Nitrophenol	7.75	139	214848	44.845	ng	96
27) 2,4-Dimethylphenol	7.78	122	341533	47.384	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	488591	43.798	ng	99
29) 2,4-Dichlorophenol	7.99	162	343221	45.099	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	365349	42.114	ng	100
31) Naphthalene	8.15	128	1149570	44.962	ng	100
32) Benzoic acid	7.92	122	180204	35.461	ng	98
33) 4-Chloroaniline	8.20	127	69275	6.064	ng	98
34) Hexachlorobutadiene	8.26	225	208731	41.772	ng	99
35) Caprolactam	8.57	113	81653m	33.173	ng	
36) 4-Chloro-3-methylphenol	8.69	107	356971	45.088	ng	98
37) 2-Methylnaphthalene	8.84	142	776325	46.104	ng	99
38) 1-Methylnaphthalene	8.94	142	724703	45.493	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	351318	44.985	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	213571	62.328	ng	98
43) 2,4,6-Trichlorophenol	9.12	196	232560	43.263	ng	100
44) 2,4,5-Trichlorophenol	9.17	196	252918	45.516	ng	99
46) 1,1'-Biphenyl	9.30	154	944107	45.777	ng	99
47) 2-Chloronaphthalene	9.33	162	735512	42.849	ng	99
48) 2-Nitroaniline	9.42	65	235463	41.500	ng	89
49) Acenaphthylene	9.75	152	1137978	45.442	ng	99
50) Dimethylphthalate	9.60	163	889796	44.735	ng	99
51) 2,6-Dinitrotoluene	9.66	165	195689	45.271	ng	# 86
52) Acenaphthene	9.92	154	682008	44.392	ng	98
53) 3-Nitroaniline	9.83	138	71361	13.361	ng	93
54) 2,4-Dinitrophenol	9.95	184	154684	71.300	ng	92
55) Dibenzofuran	10.09	168	1017837	45.557	ng	98
56) 4-Nitrophenol	10.01	139	279713	81.752	ng	100
57) 2,4-Dinitrotoluene	10.07	165	258399	44.899	ng	97
58) Fluorene	10.43	166	786973	45.782	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	212822	45.524	ng	99
60) Diethylphthalate	10.30	149	848367	45.684	ng	99
61) 4-Chlorophenyl-phenylether	10.42	204	394163	45.277	ng	99
62) 4-Nitroaniline	10.45	138	200240	36.277	ng	98
63) Azobenzene	10.58	77	872906	45.700	ng	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	119023	43.618	ng	93
66) n-Nitrosodiphenylamine	10.54	169	708753	45.730	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	243753	44.220	ng	92
68) Hexachlorobenzene	10.98	284	274835	43.118	ng	97
69) Atrazine	11.06	200	226605	44.443	ng	99
70) Pentachlorophenol	11.18	266	270489	87.408	ng	98
71) Phenanthrene	11.39	178	1198558	45.531	ng	100
72) Anthracene	11.45	178	1211332	45.469	ng	99
73) Carbazole	11.60	167	1101033	45.554	ng	99
74) Di-n-butylphthalate	11.92	149	1364495	48.394	ng	99
75) Fluoranthene	12.58	202	1261099	45.761	ng	99
77) Benzidine	12.70	184	26482	2.104	ng	99
78) Pyrene	12.81	202	1281006	45.618	ng	100
80) Butylbenzylphthalate	13.42	149	595498	50.132	ng	95
81) Benzo(a)anthracene	14.00	228	1056653	44.378	ng	100
82) 3,3'-Dichlorobenzidine	13.95	252	124861	15.094	ng	# 99
83) Chrysene	14.03	228	1025856	44.378	ng	100
84) Bis(2-ethylhexyl)phthalate	13.97	149	837051	54.227	ng	98
85) Di-n-octyl phthalate	14.59	149	1291106	52.660	ng	100
86) Indeno(1,2,3-cd)pyrene	16.94	276	966664	49.789	ng	99
88) Benzo(b)fluoranthene	15.04	252	899599	45.834	ng	98
89) Benzo(k)fluoranthene	15.07	252	848472	44.383	ng	97
90) Benzo(a)pyrene	15.41	252	814128	46.401	ng	100
91) Dibenzo(a,h)anthracene	16.94	278	804199	52.952	ng	98
92) Benzo(g,h,i)perylene	17.38	276	822144	55.120	ng	98

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



#1

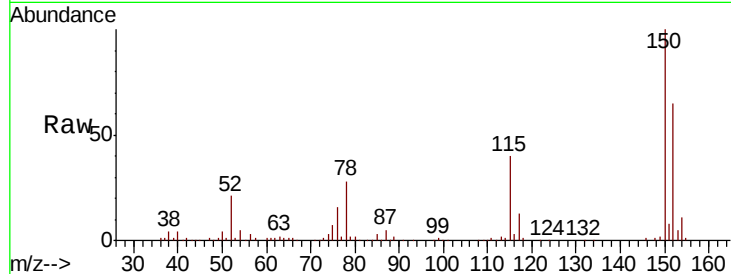
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	61.5	51.8	77.8

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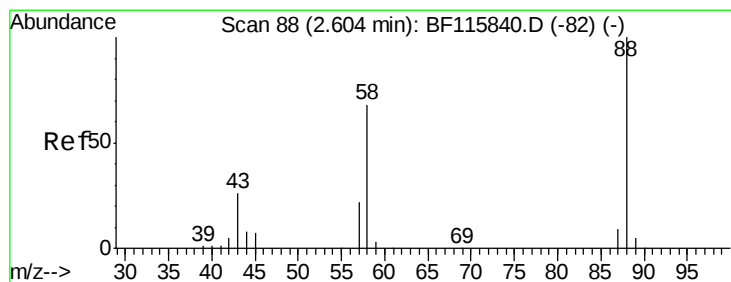
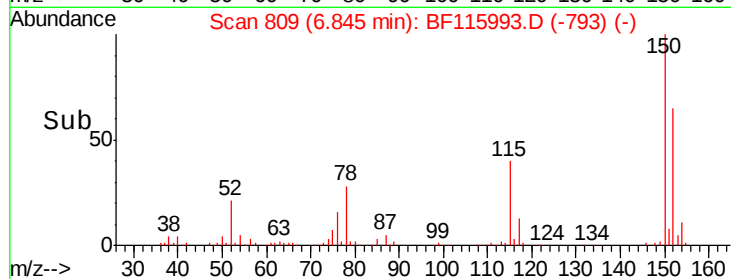
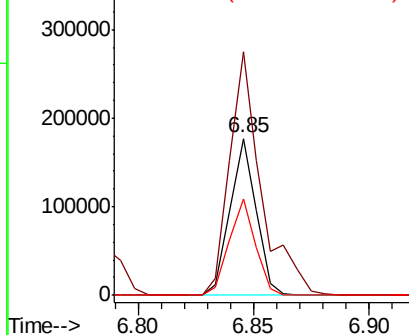


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

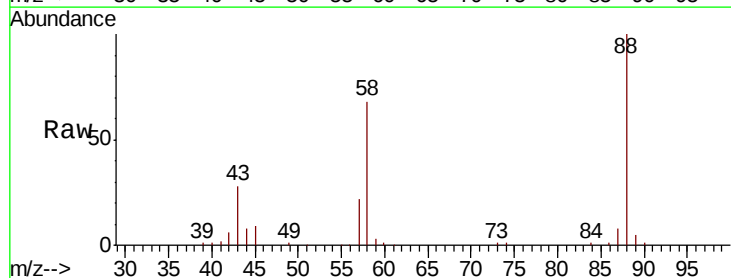
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.449 ng
RT: 2.82 min Scan# 125
Delta R.T. 0.22 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.4	54.1	81.1
43	0.0	20.7	31.1#

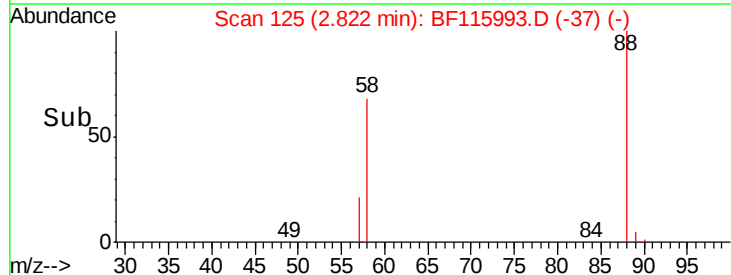
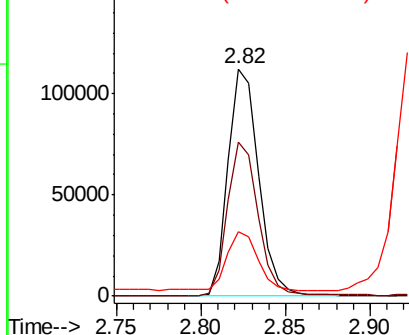


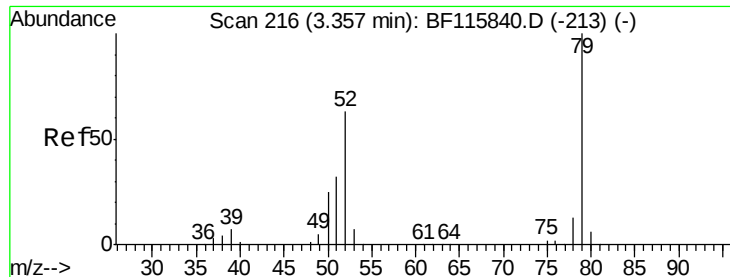
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 24.192 ng

RT: 3.53 min Scan# 245

Delta R.T. 0.17 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

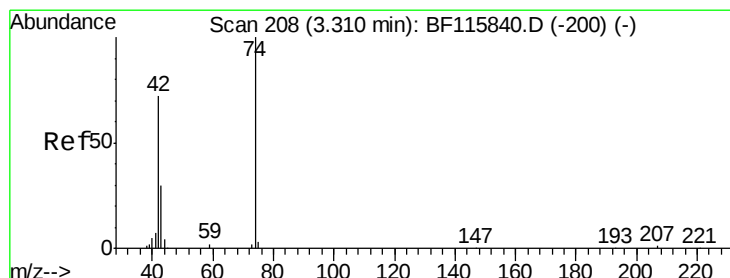
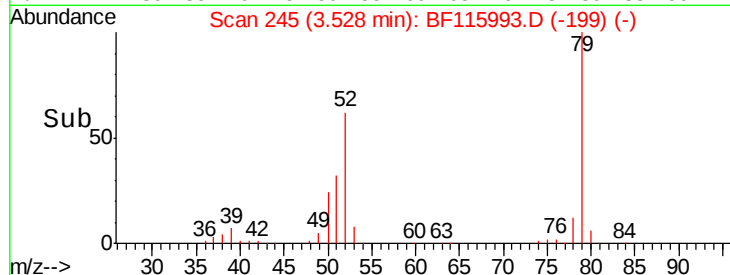
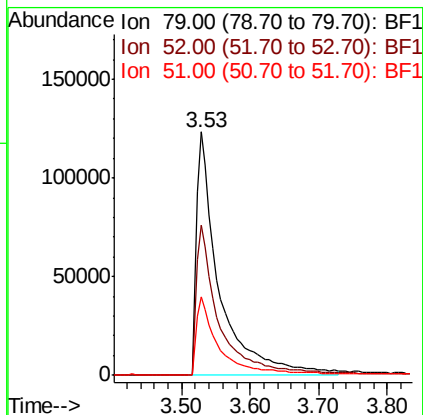
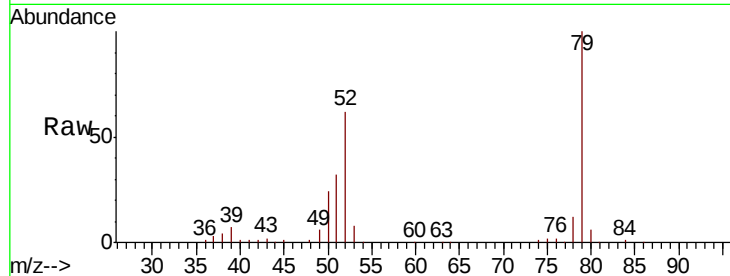
ClientSampleId :

PL-02-080119MSD

Tot Ion:	79	Resp:	285994
Ion	Ratio	Lower	Upper
79	100		
52	61.9	50.2	75.4
51	32.4	25.8	38.6

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#4

n-Nitrosodimethylamine

Concen: 37.521 ng

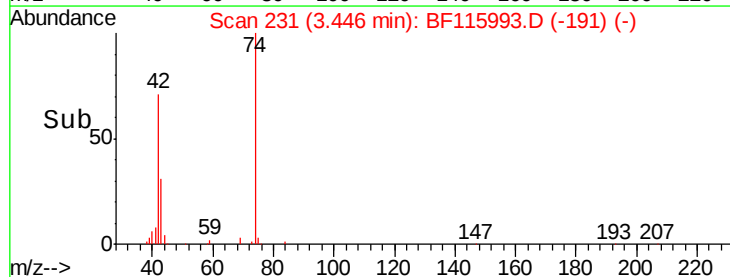
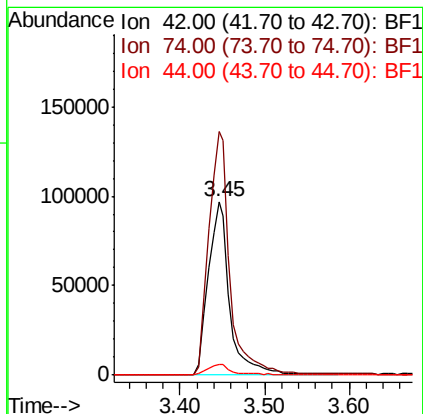
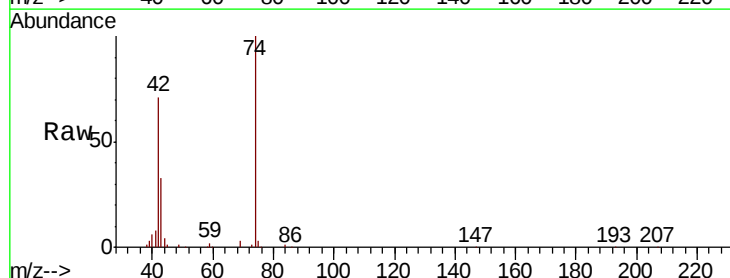
RT: 3.45 min Scan# 231

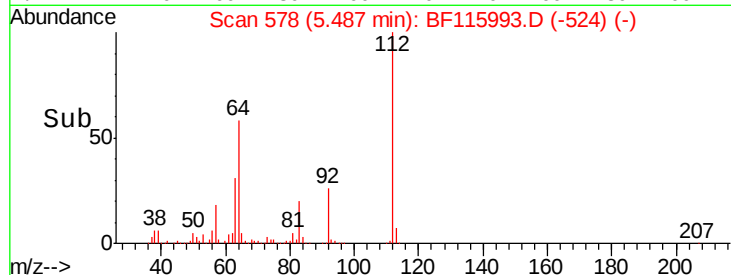
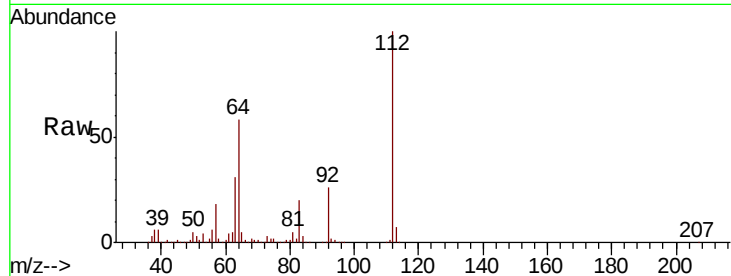
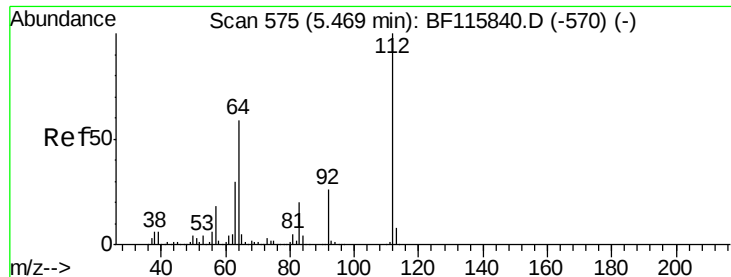
Delta R.T. 0.14 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	42	Resp:	175044
Ion	Ratio	Lower	Upper
42	100		
74	140.5	111.0	166.4
44	6.1	4.7	7.1





#5

2-Fluorophenol

Concen: 121.405 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tot Ion:	112	Resp:	1017002
Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.8	70.2
63	30.7	24.2	36.2

Instrument :

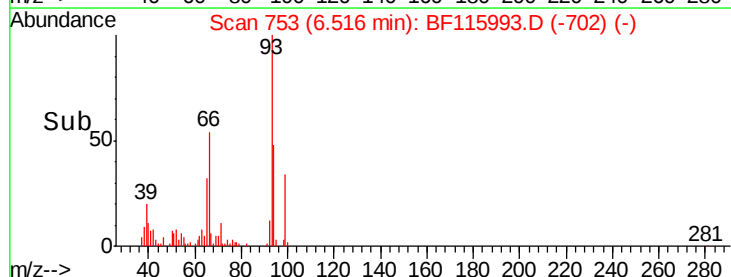
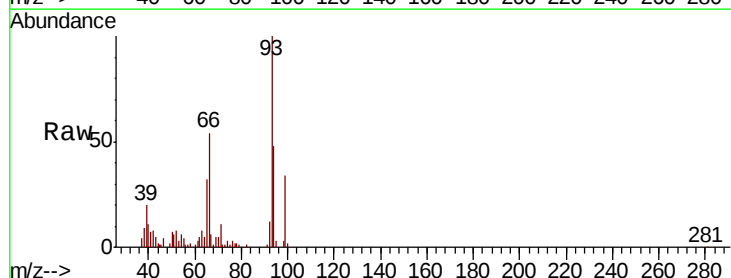
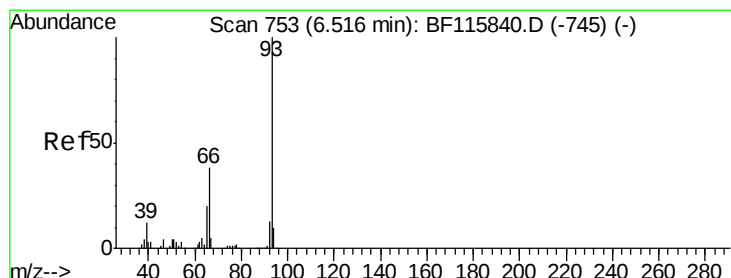
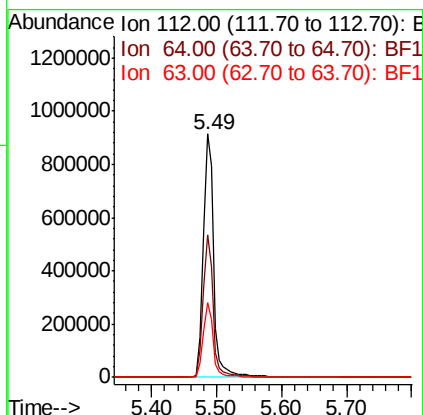
BNA_F

ClientSampleId :

PL-02-080119MSD

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#6

Aniline

Concen: 6.885 ng

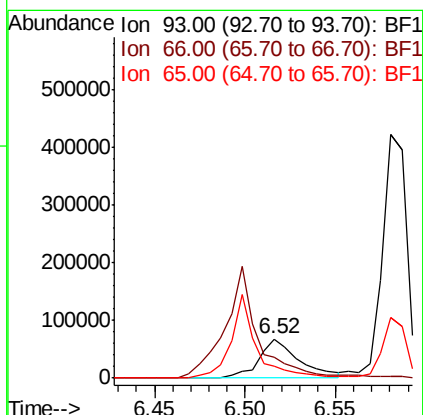
RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	93	Resp:	104210
Ion	Ratio	Lower	Upper
93	100		
66	53.8	31.4	47.0#
65	32.0	16.5	24.7#





#7

Phenol-d6

Concen: 117.038 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

ClientSampleId :

PL-02-080119MSD

Tot Ion: 99 Resp: 1236976

Ion Ratio Lower Upper

99 100

42 17.3 13.8 20.6

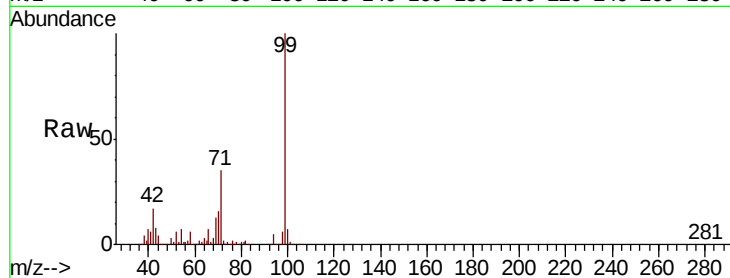
71 34.6 27.1 40.7

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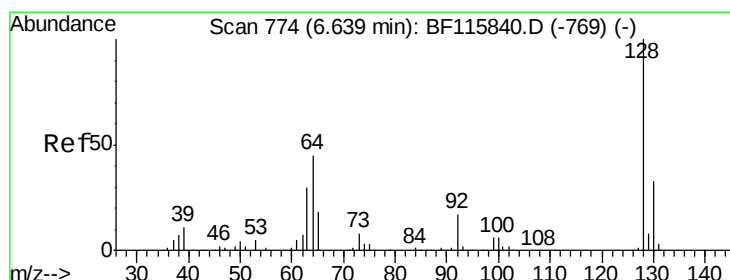
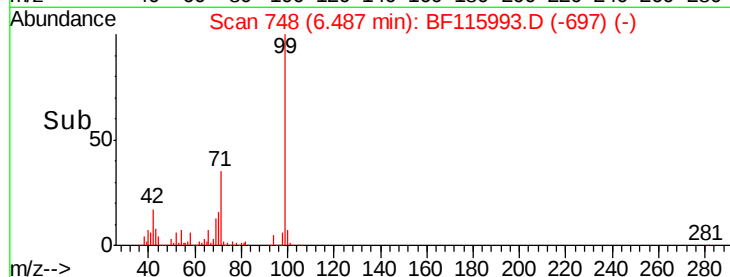
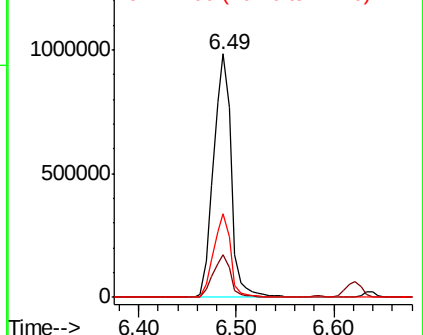
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.147 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

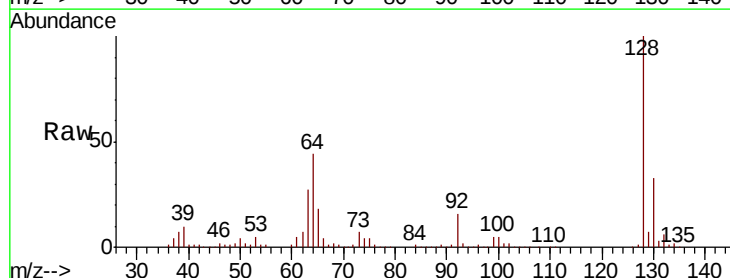
Tgt Ion: 128 Resp: 381152

Ion Ratio Lower Upper

128 100

130 33.3 12.9 52.9

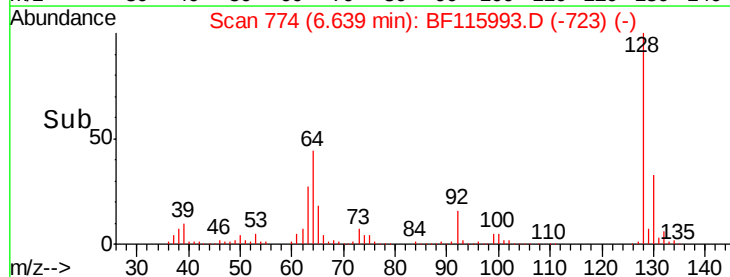
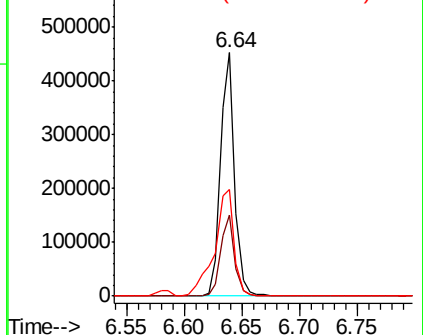
64 43.6 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 24.454 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

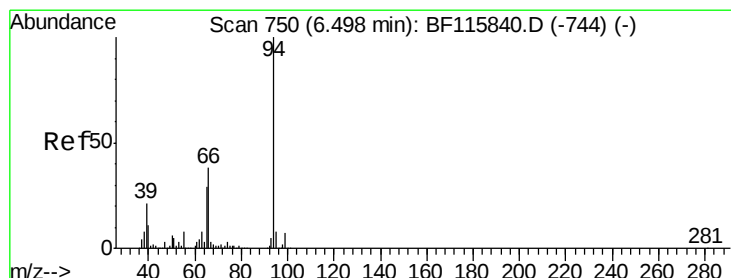
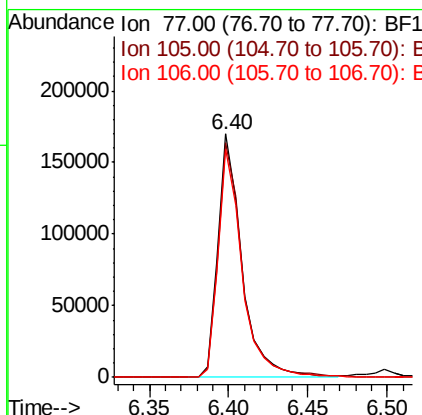
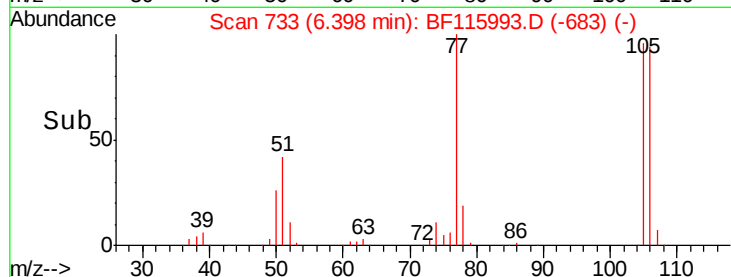
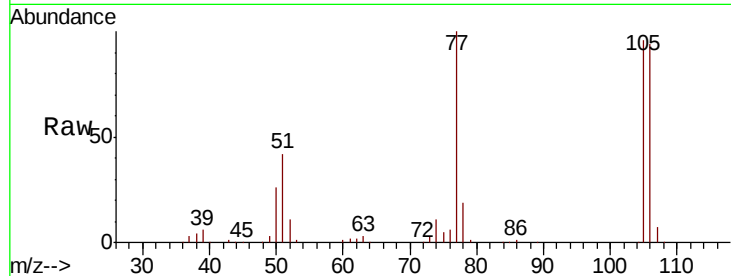
ClientSampleId :

PL-02-080119MSD

Tot Ion:	77	Resp:	178326
Ion	Ratio	Lower	Upper
77	100		
105	96.4	79.0	119.0
106	93.6	76.2	116.2

Manual Integrations
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#10

Phenol

Concen: 33.908 ng

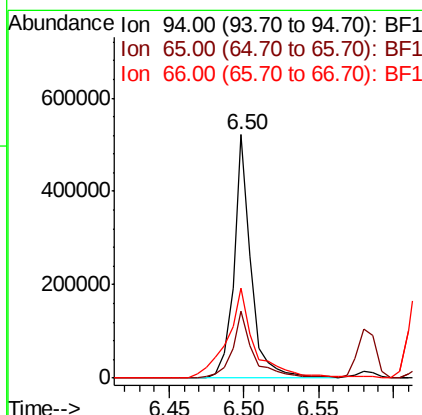
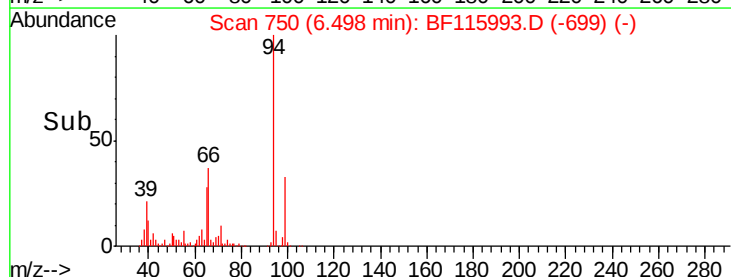
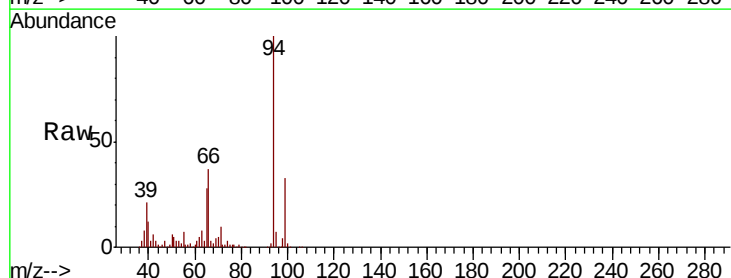
RT: 6.50 min Scan# 750

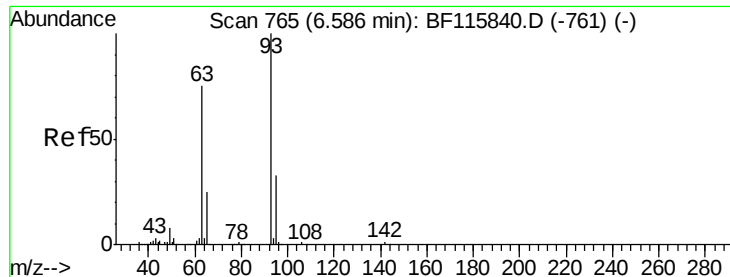
Delta R.T. 0.00 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	94	Resp:	422016
Ion	Ratio	Lower	Upper
94	100		
65	27.7	8.9	48.9
66	37.0	18.0	58.0





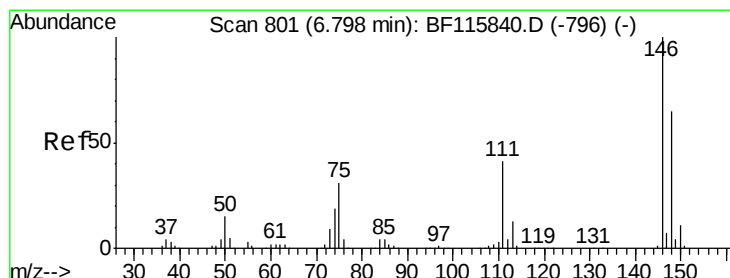
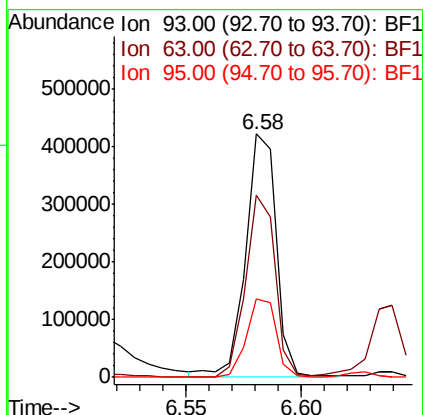
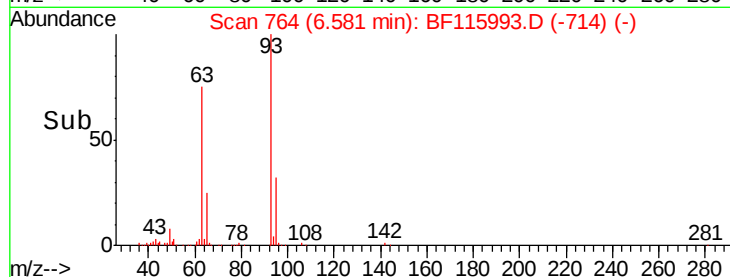
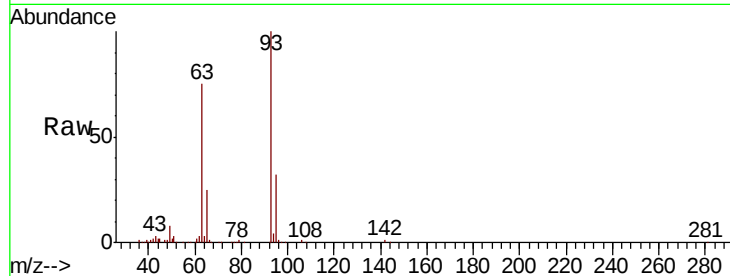
#11
bis(2-Chloroethyl)ether
Concen: 43.305 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion:	93	Resp:	396256
Ion Ratio	Lower	Upper	
93	100		
63	75.0	54.9	94.9
95	32.3	13.3	53.3

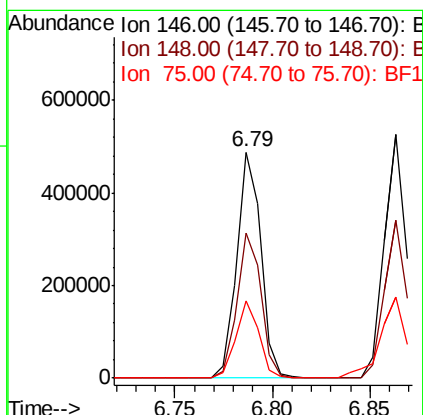
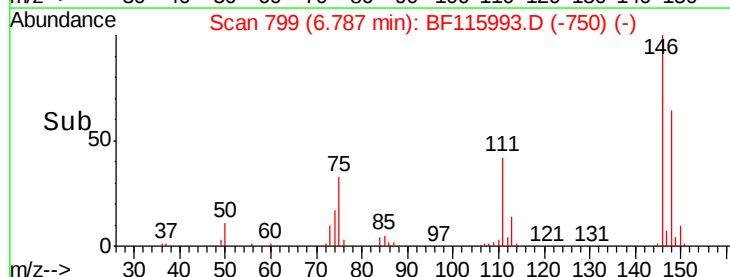
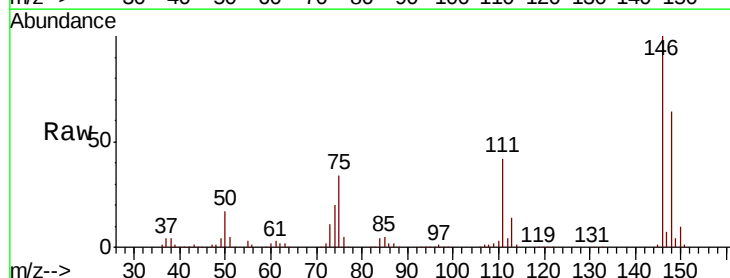
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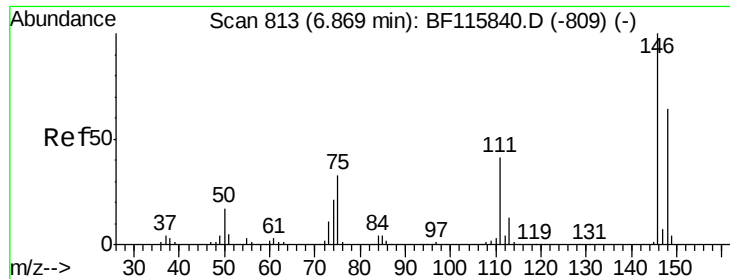
mohammad
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#12
1,3-Dichlorobenzene
Concen: 38.987 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion:	146	Resp:	417369
Ion Ratio	Lower	Upper	
146	100		
148	64.0	52.1	78.1
75	34.0	25.0	37.6





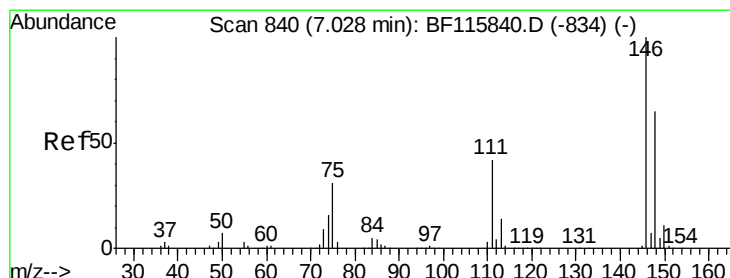
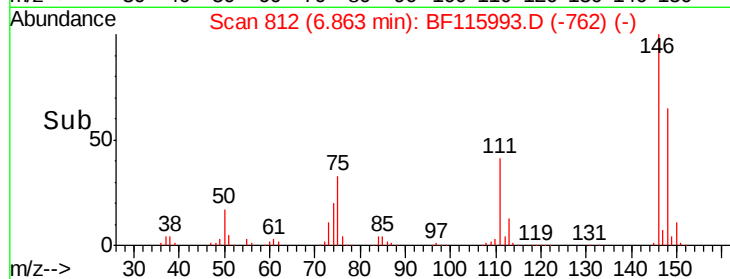
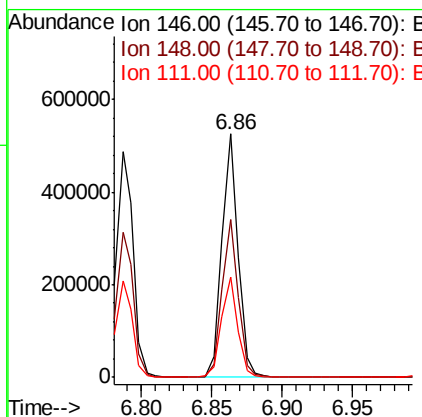
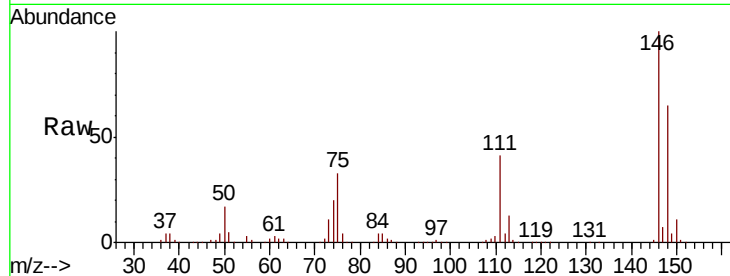
#13
 1,4-Dichlorobenzene
 Concen: 39.259 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
111	40.9	33.2	49.8

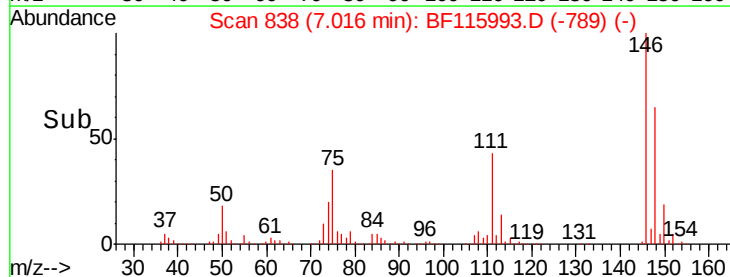
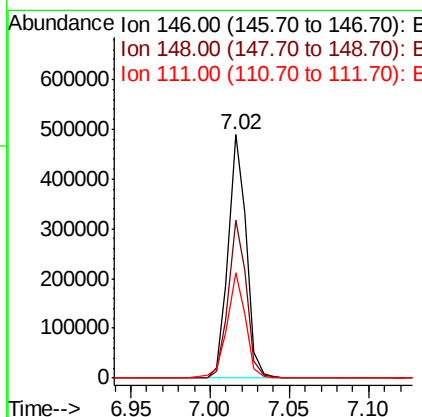
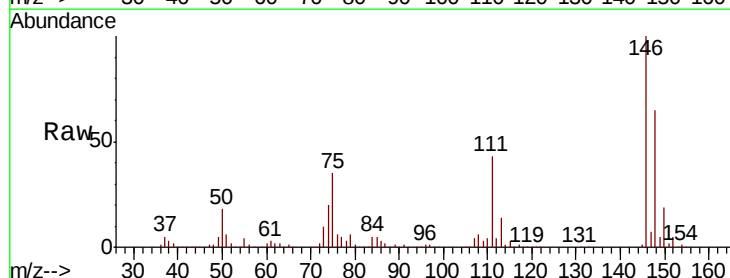
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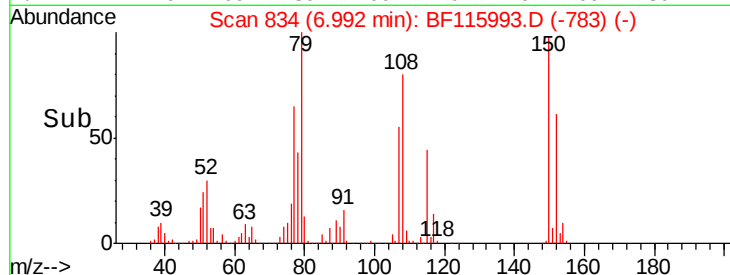
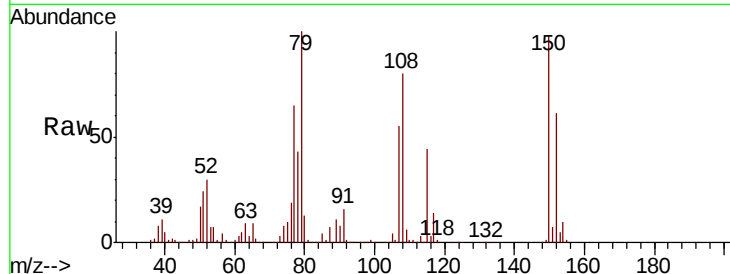
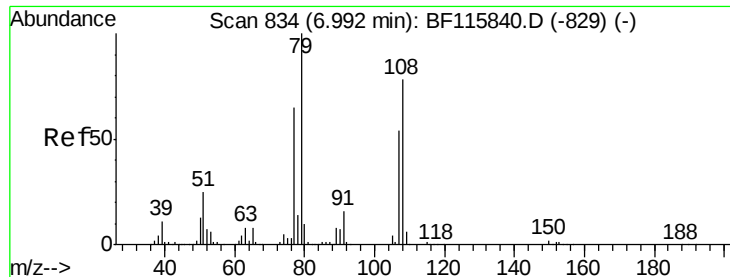
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#14
 1,2-Dichlorobenzene
 Concen: 39.322 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
111	43.2	33.6	50.4





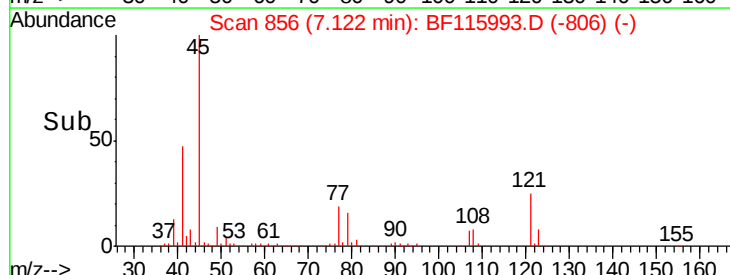
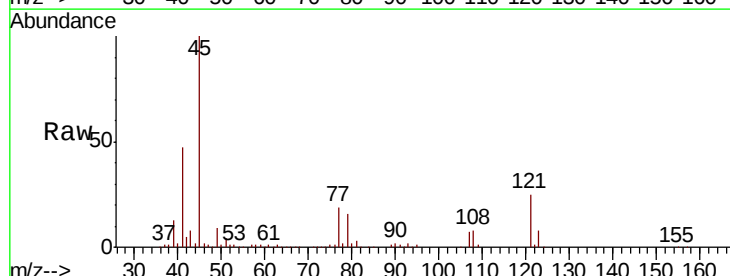
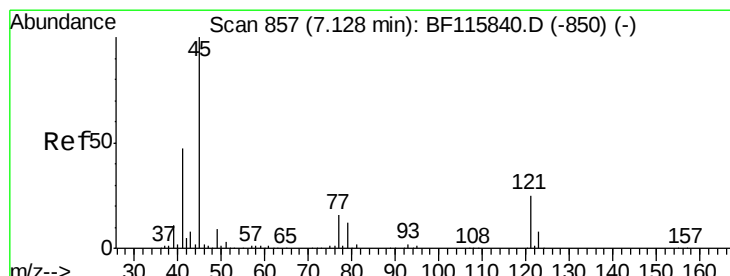
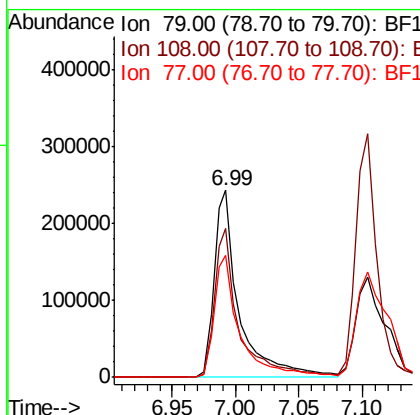
#15
Benzyl Alcohol
Concen: 41.998 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.9	62.8	94.2	
77	65.3	52.0	78.0	

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

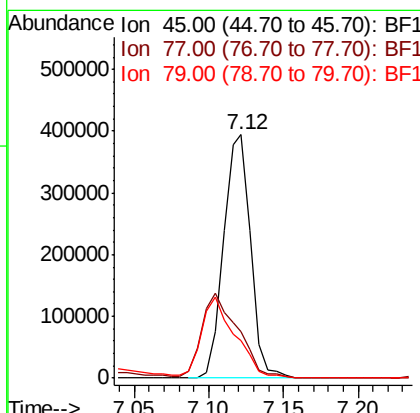
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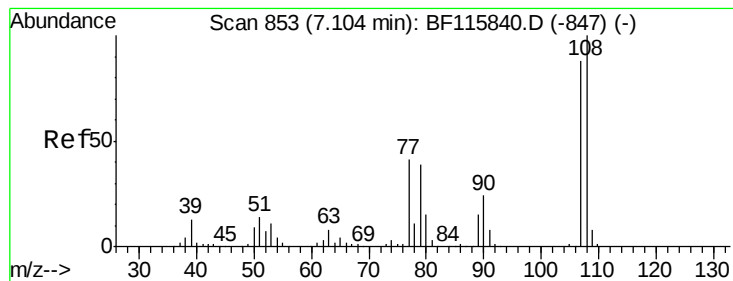
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.033 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	19.2	0.0	36.3	
79	15.6	0.0	32.5	





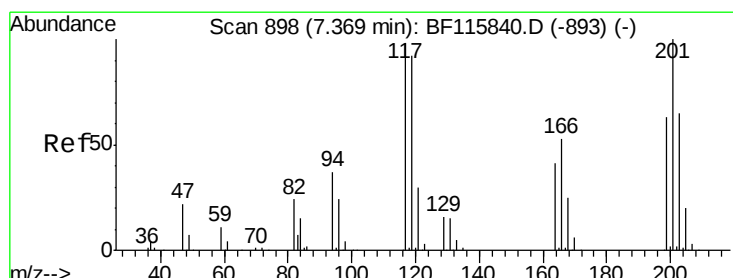
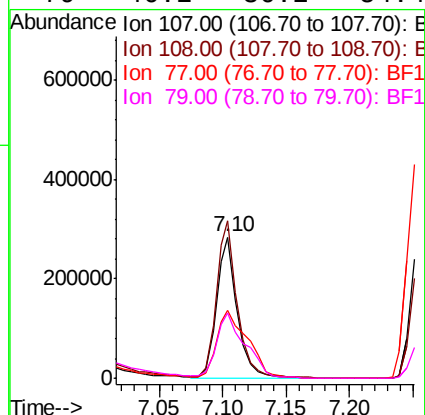
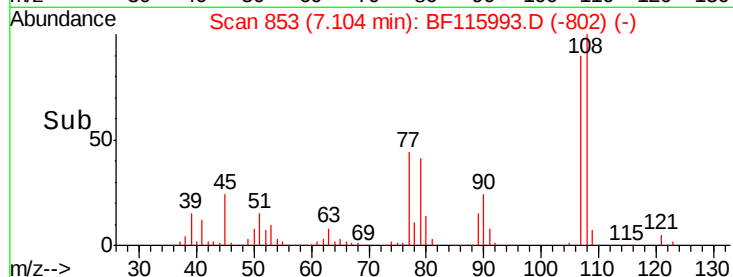
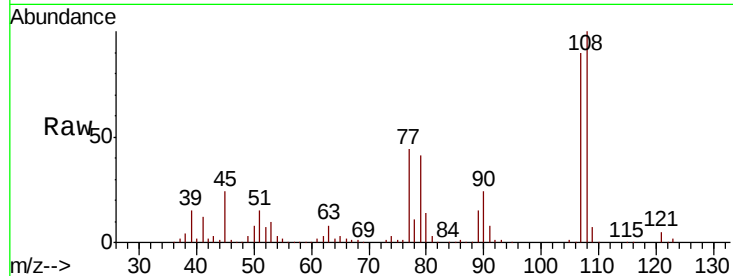
#17
2-Methylphenol
Concen: 41.154 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107.00	100	322792		
108	108.00	111.7		91.4	137.0
77	77.00	48.6		37.6	56.4
79	79.00	46.2		36.2	54.4

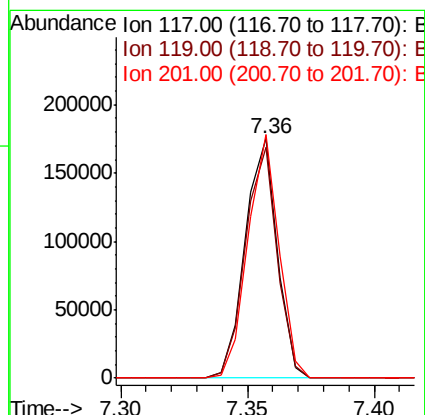
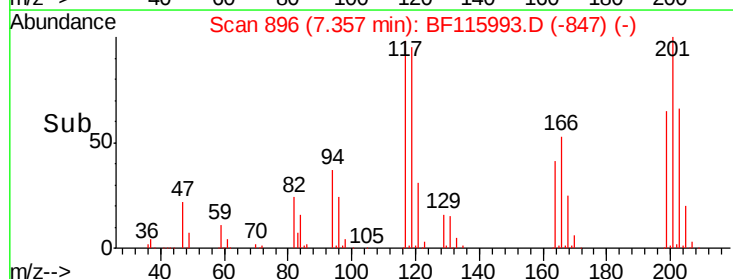
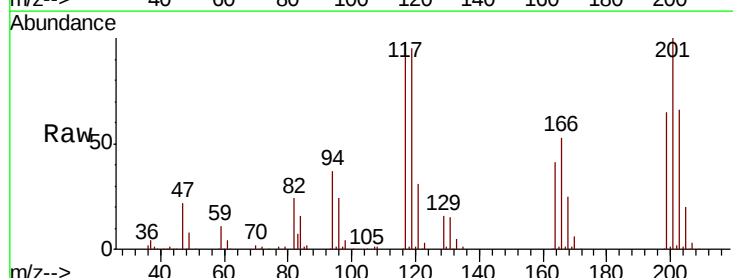
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#18
Hexachloroethane
Concen: 38.995 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117.00	100	153892		
119	119.00	96.3		75.8	113.6
201	201.00	101.8		82.0	123.0





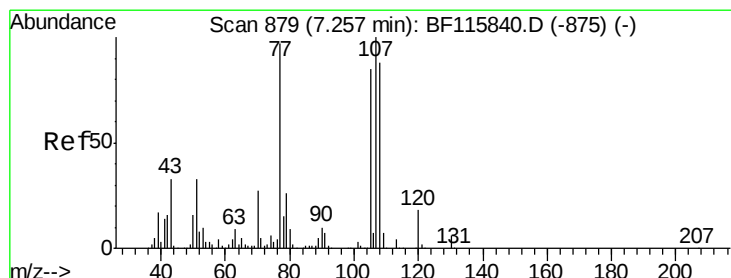
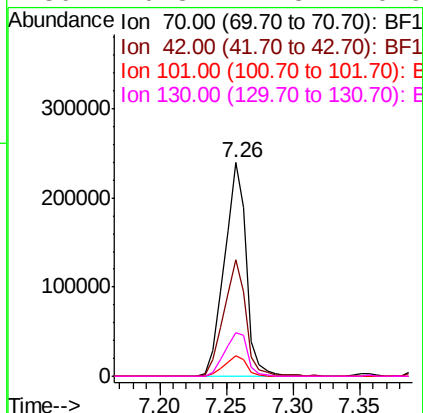
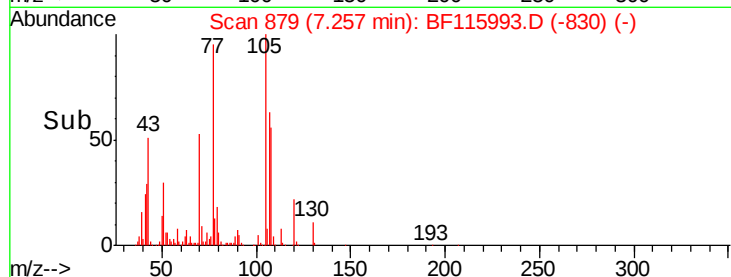
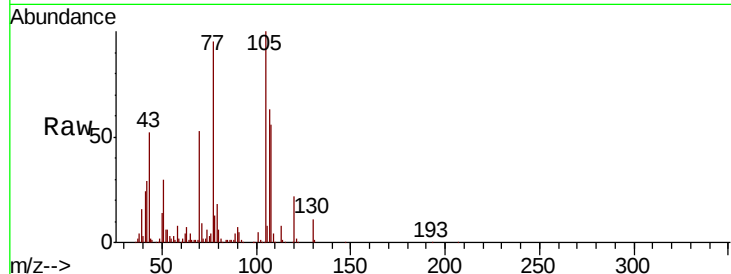
#19
n-Nitroso-di-n-propylamine
Concen: 42.414 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		277782		
42	54.5	41.8	62.8		
101	9.5	7.7	11.5		
130	20.3	17.8	26.6		

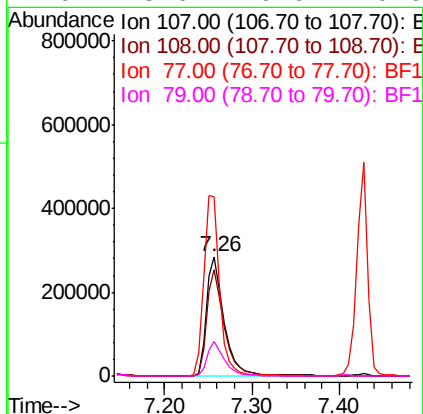
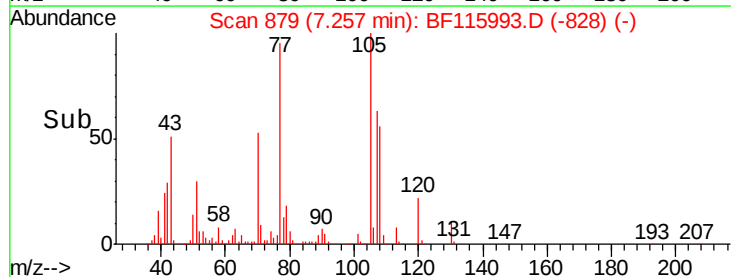
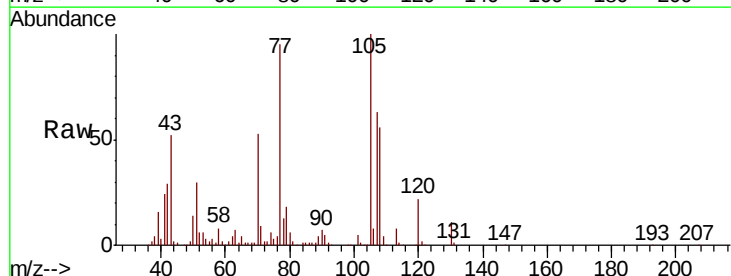
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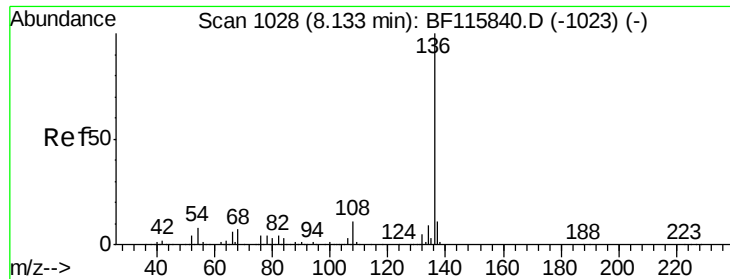
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#20
3+4-Methylphenols
Concen: 42.174 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		391456		
108	88.7	67.9	107.9		
77	150.4	77.3	117.3#		
79	28.6	6.6	46.6		





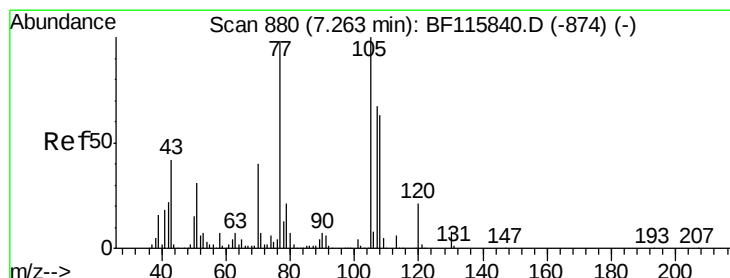
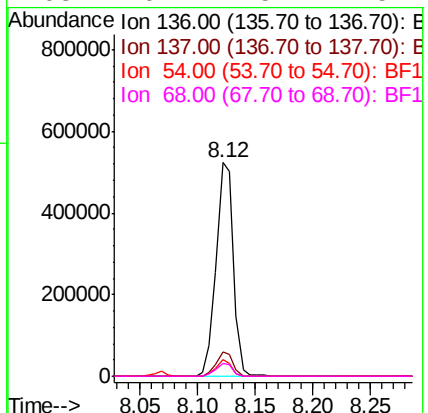
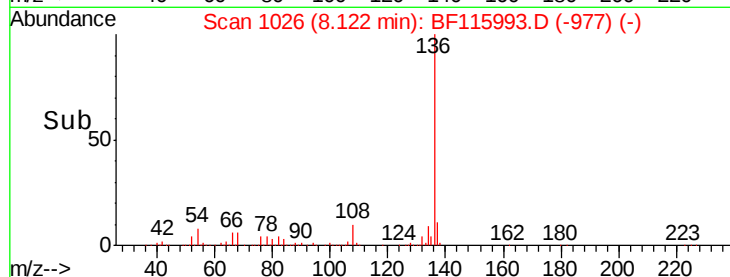
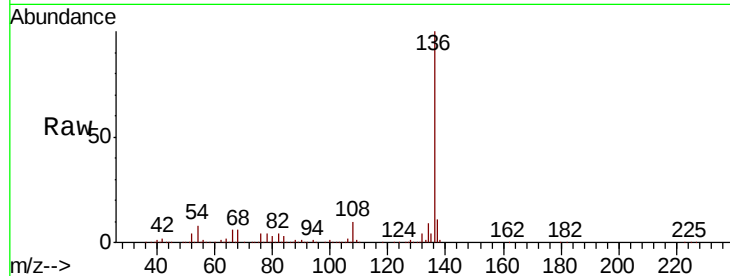
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	543325		
137	11.2	9.1	13.7	
54	7.6	6.1	9.1	
68	6.2	5.4	8.2	

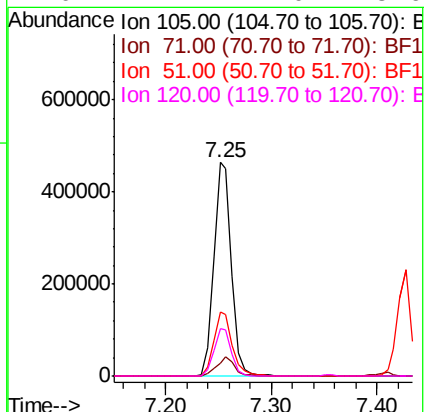
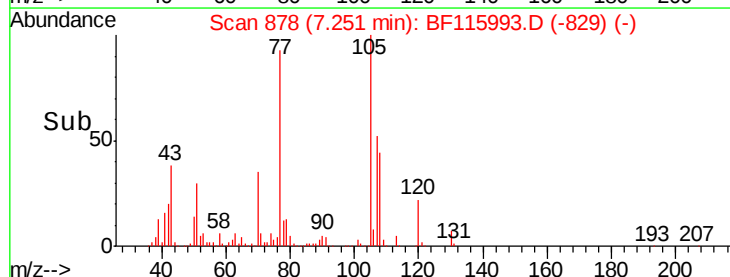
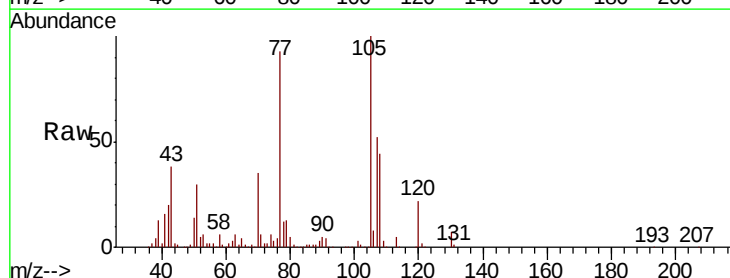
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#22
Acetophenone
Concen: 45.634 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	543766		
71	6.1	5.4	8.0	
51	29.9	24.6	36.8	
120	22.1	17.0	25.6	





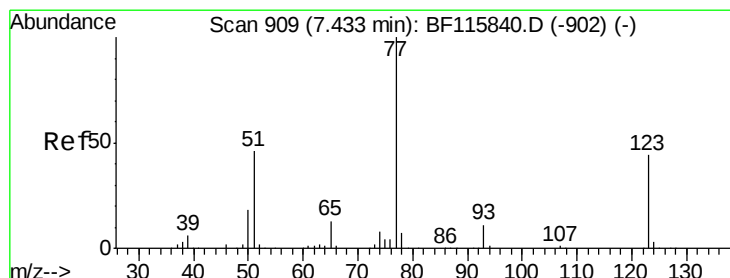
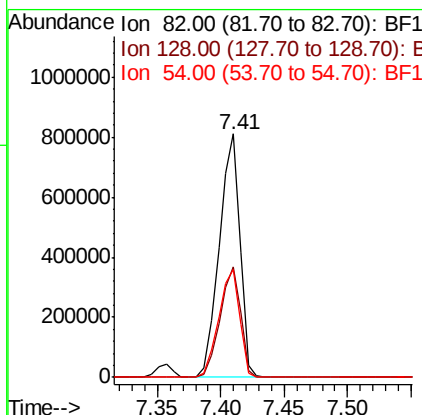
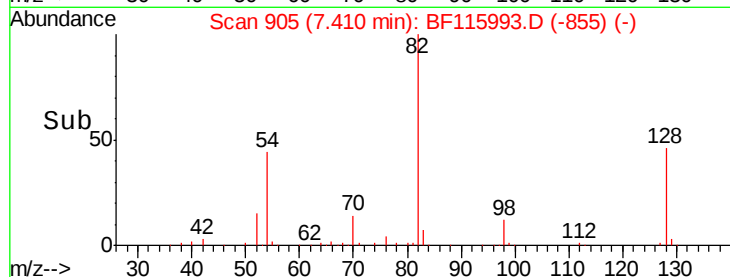
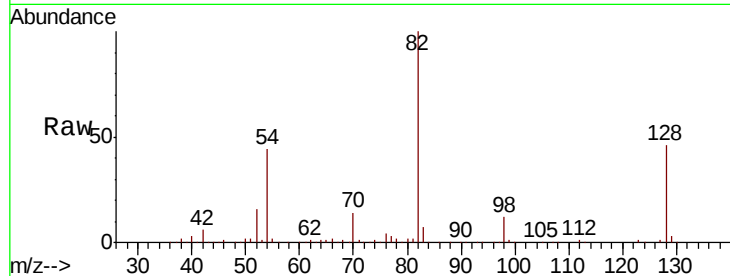
#23
 Nitrobenzene-d5
 Concen: 98.123 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.6	55.0
54	44.5	36.6	55.0

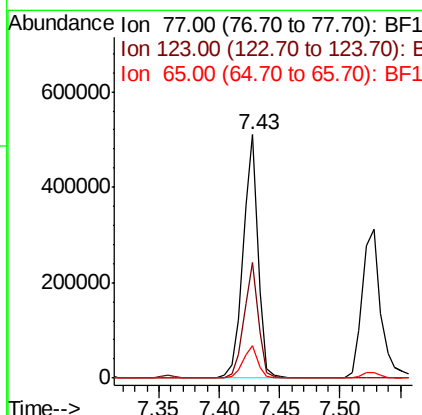
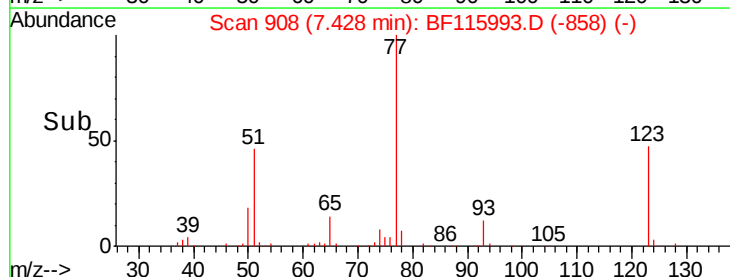
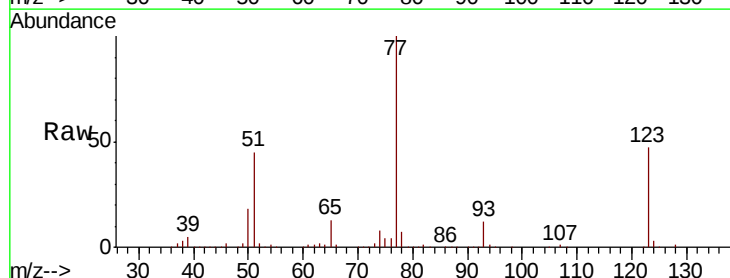
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#24
 Nitrobenzene
 Concen: 43.111 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.2	35.5	53.3
65	13.5	10.6	15.8





#25

Isophorone

Concen: 44.224 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

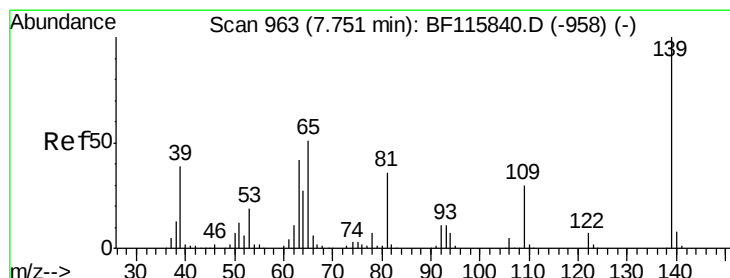
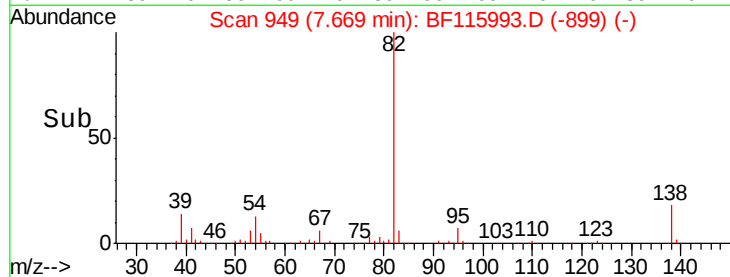
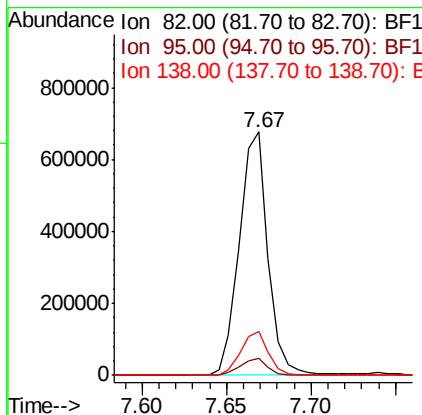
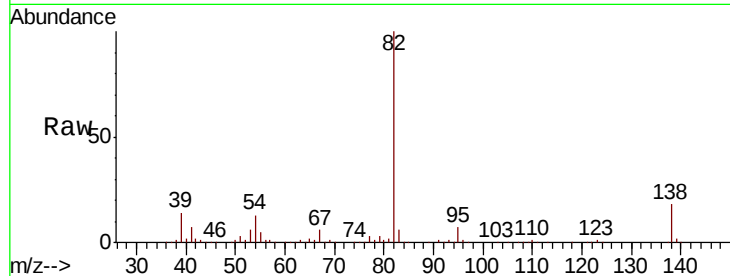
ClientSampleId :

PL-02-080119MSD

Tot Ion:	82	Resp:	795967
Ion Ratio		Lower	Upper
82	100		
95	6.8	5.5	8.3
138	18.2	13.9	20.9

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#26

2-Nitrophenol

Concen: 44.845 ng

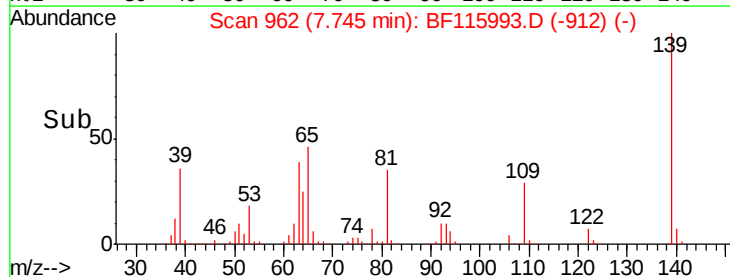
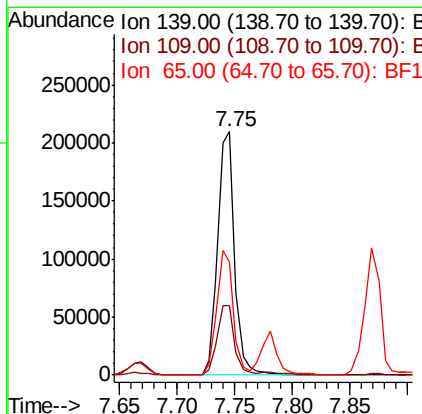
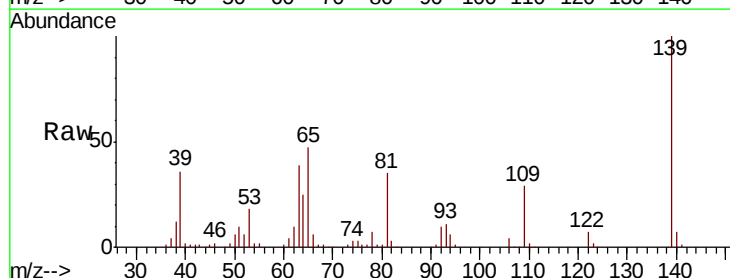
RT: 7.75 min Scan# 962

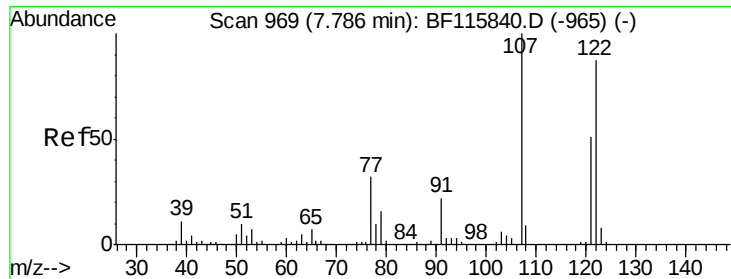
Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	139	Resp:	214848
Ion Ratio		Lower	Upper
139	100		
109	28.7	23.6	35.4
65	46.7	40.6	60.8





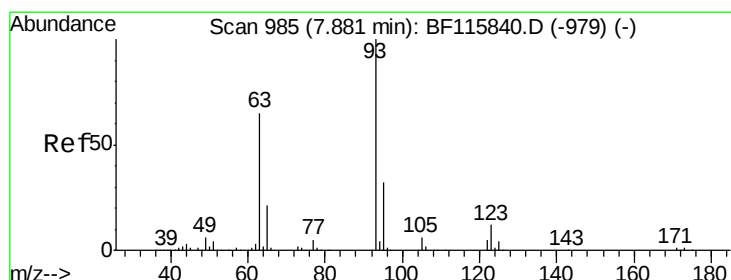
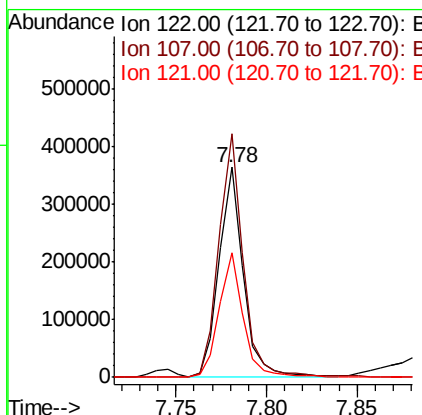
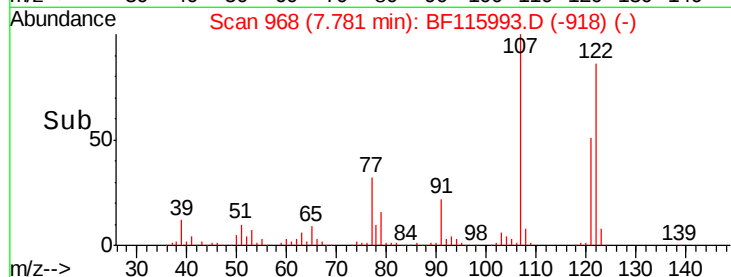
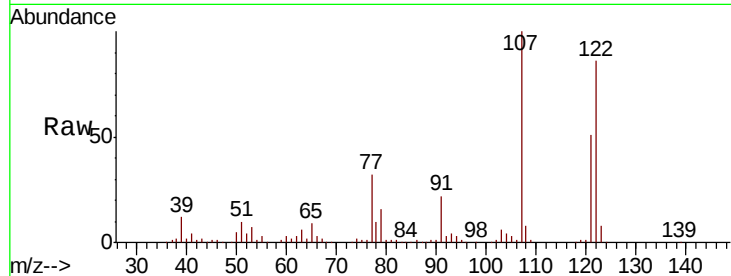
#27
2,4-Dimethylphenol
Concen: 47.384 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
341533	122	100			
	107	115.9	91.7	137.5	
	121	59.1	46.6	70.0	

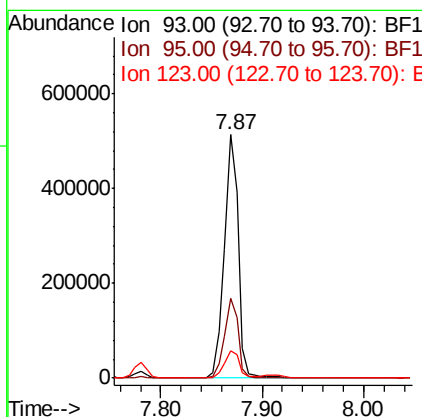
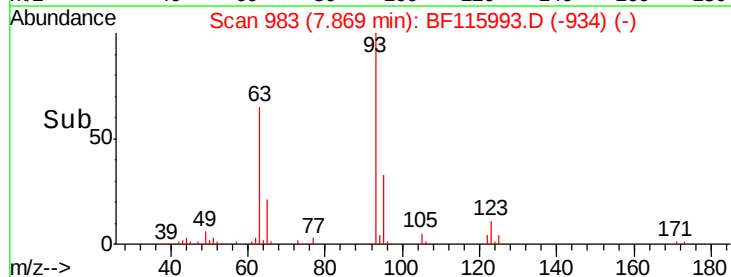
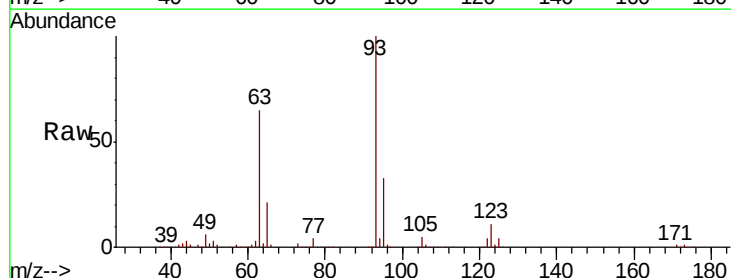
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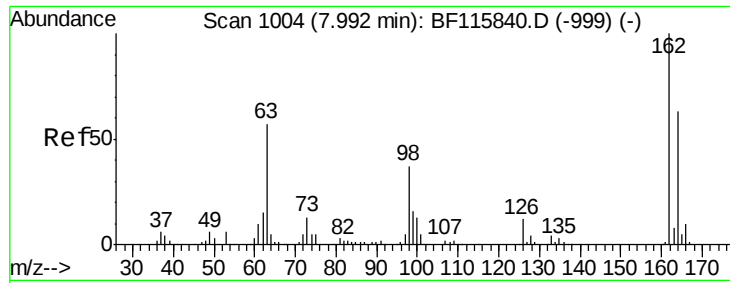
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 43.798 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
488591	93	100			
	95	32.8	26.0	39.0	
	123	11.3	9.5	14.3	





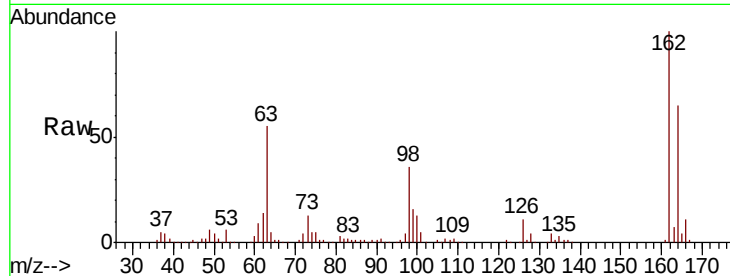
#29
 2,4-Dichlorophenol
 Concen: 45.099 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	343221		
164	64.7	43.2	83.2	
98	36.5	17.3	57.3	

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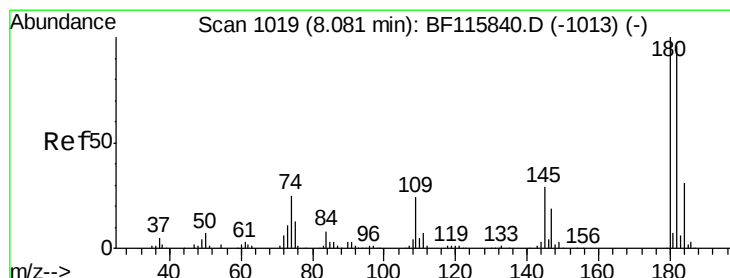
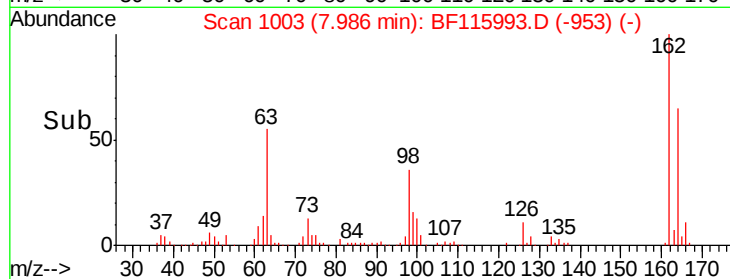
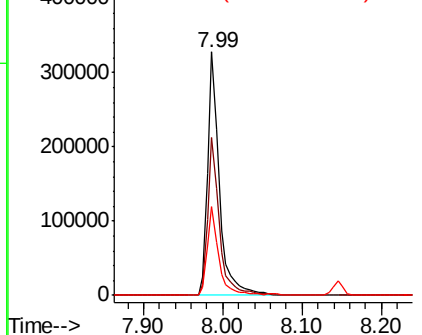


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 42.114 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

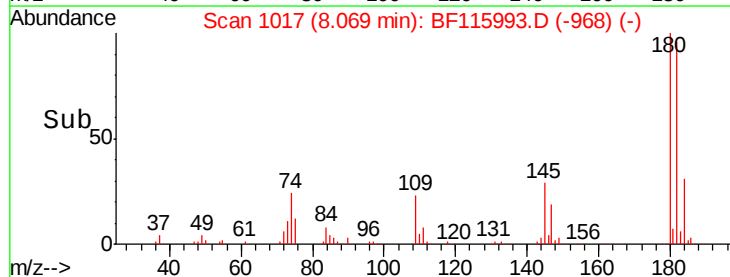
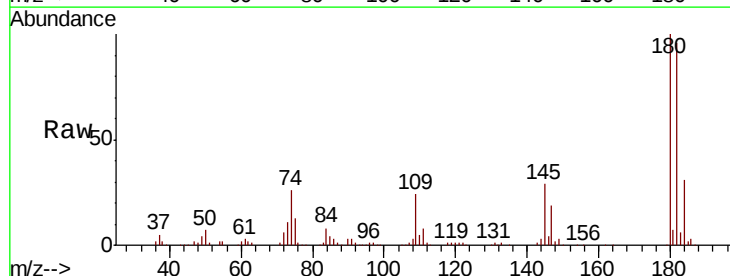
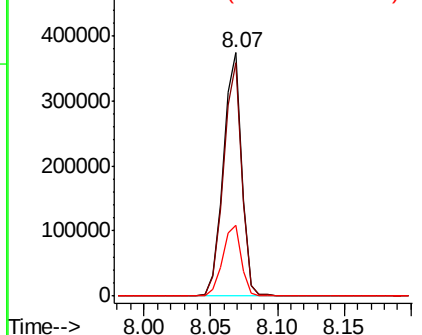
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	365349		
182	95.9	76.6	114.8	
145	29.2	23.2	34.8	

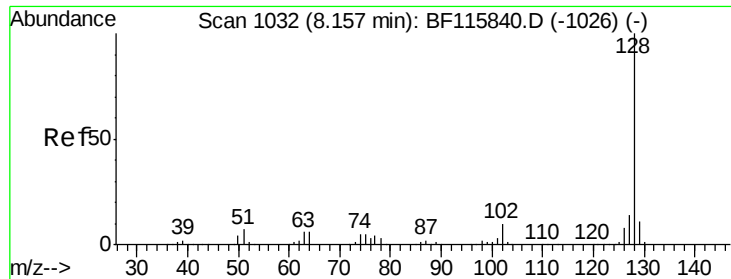
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





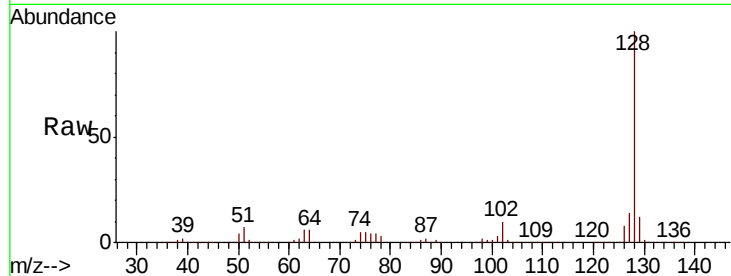
#31
Naphthalene
Concen: 44.962 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

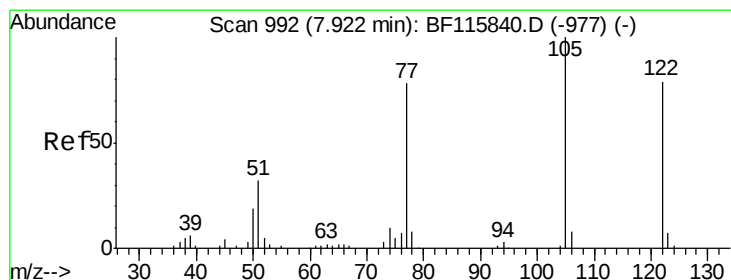
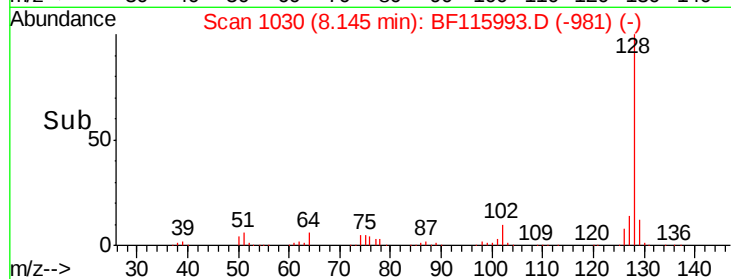
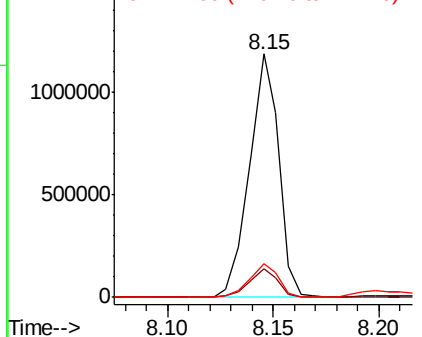
Tot Ion:128 Resp: 1149570
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.7 11.0 16.4

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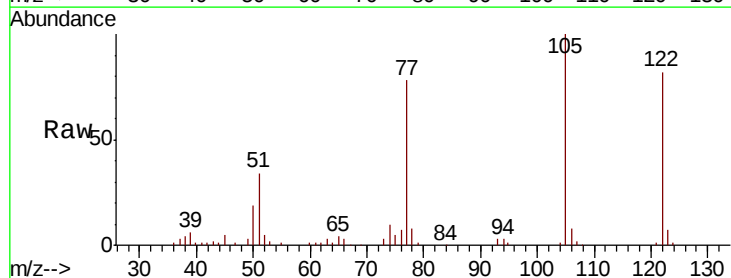


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

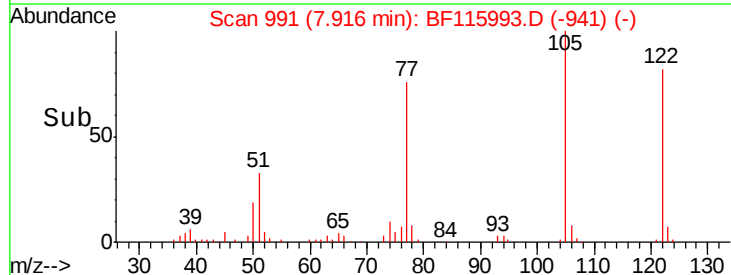
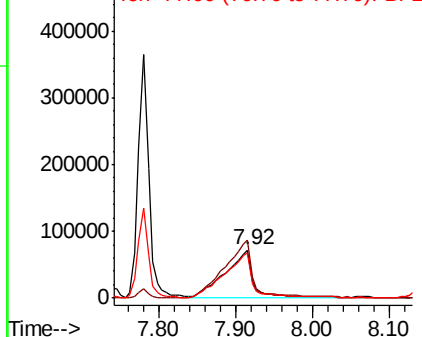


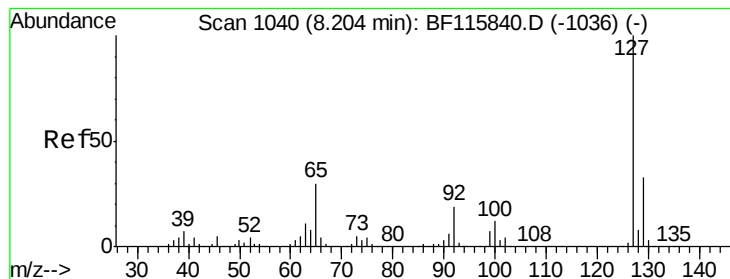
#32
Benzoic acid
Concen: 35.461 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion:122 Resp: 180204
Ion Ratio Lower Upper
122 100
105 121.7 103.1 143.1
77 94.7 76.8 116.8



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





#33

4-Chloroaniline

Concen: 6.064 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

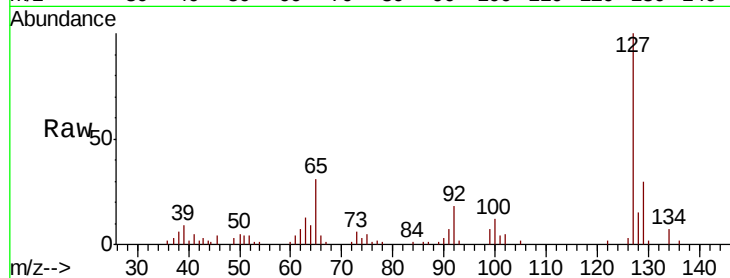
ClientSampleId :

PL-02-080119MSD

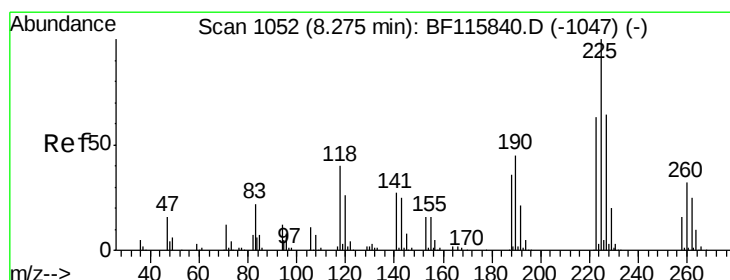
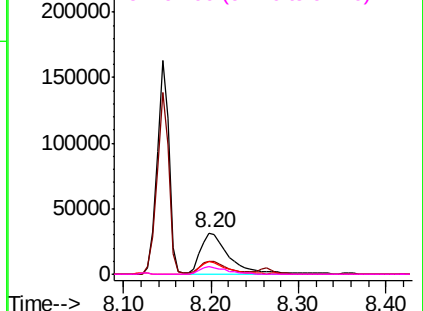
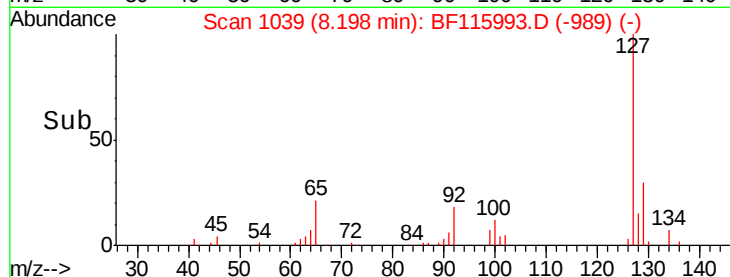
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		69275		
129	30.3	26.0	39.0		
65	30.6	23.9	35.9		
92	18.2	14.9	22.3		

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Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 41.772 ng

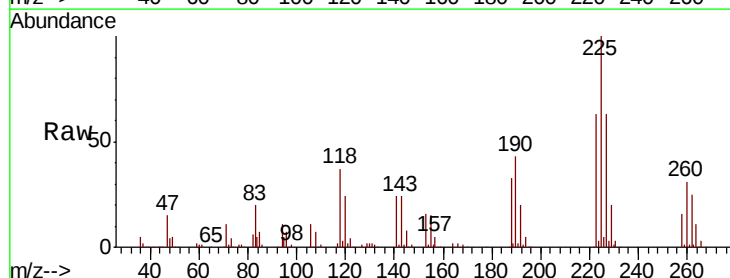
RT: 8.26 min Scan# 1050

Delta R.T. -0.01 min

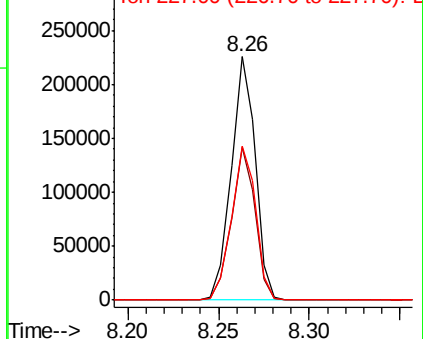
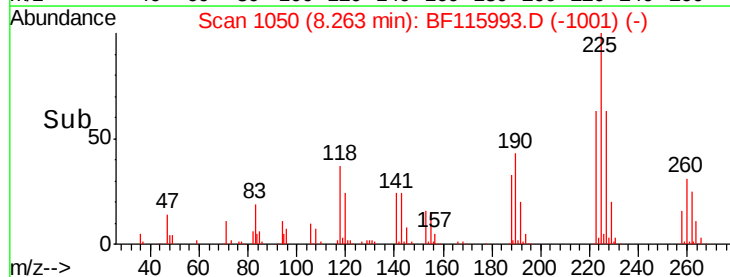
Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		208731		
223	62.8	50.4	75.6		
227	63.4	51.6	77.4		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





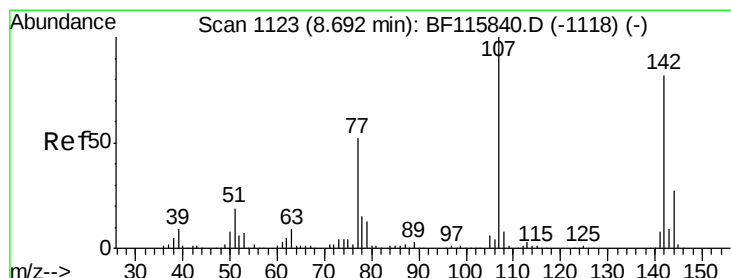
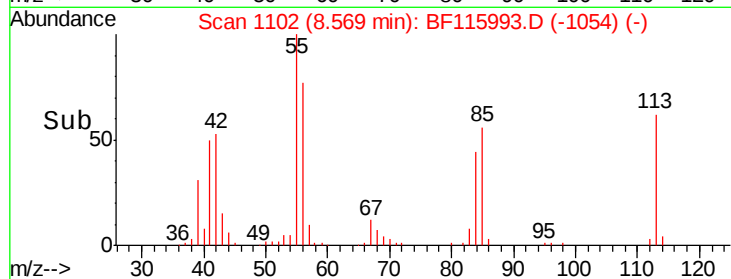
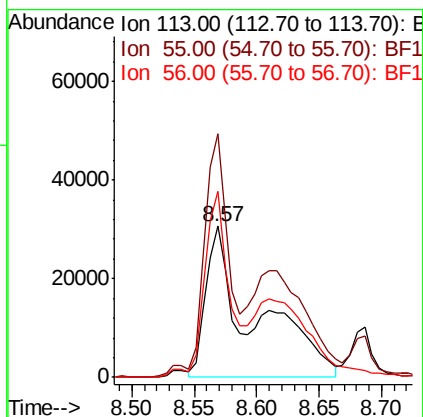
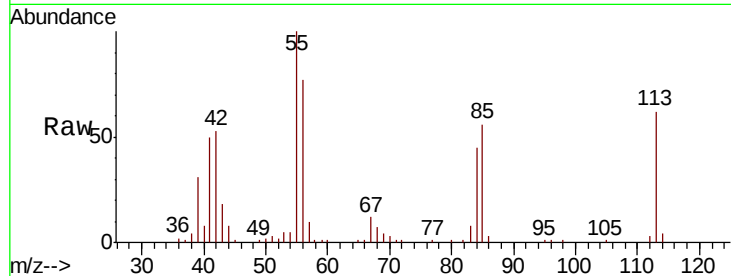
#35
Caprolactam
Concen: 33.173 ng/mL
RT: 8.57 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	161.1	138.1	178.1
56	123.5	100.6	140.6

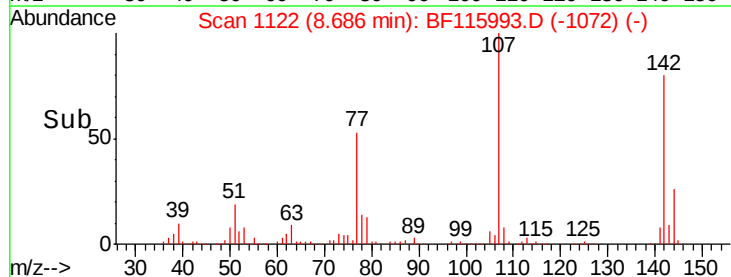
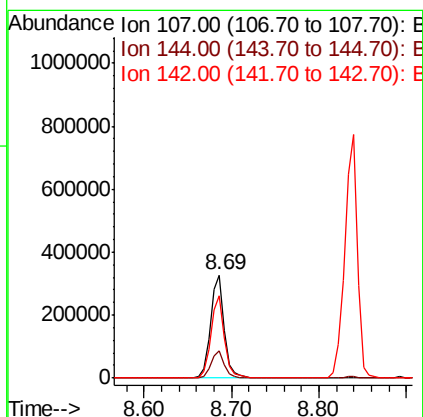
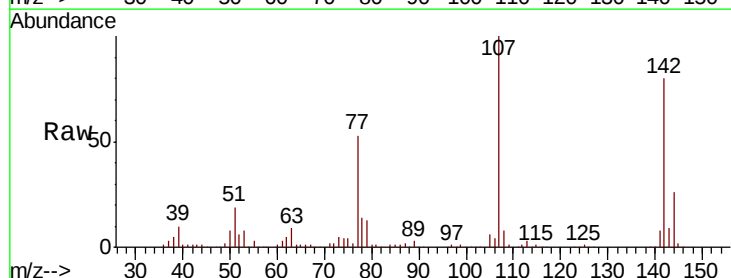
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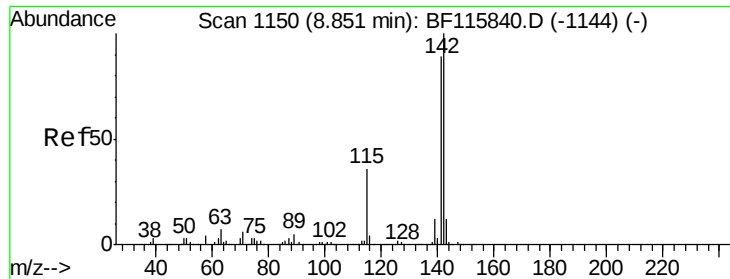
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#36
4-Chloro-3-methylphenol
Concen: 45.088 ng/mL
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.4	32.0
142	80.3	65.5	98.3





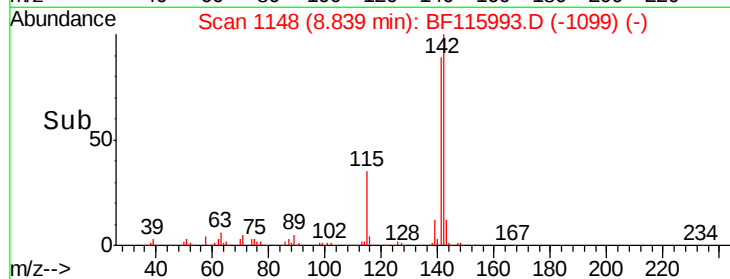
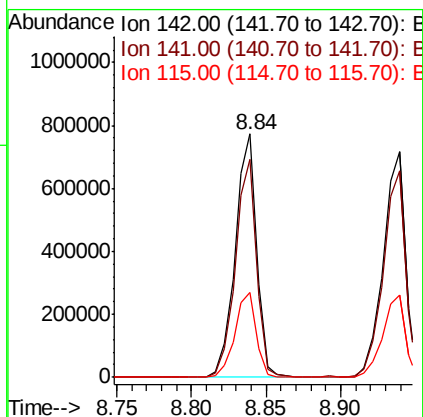
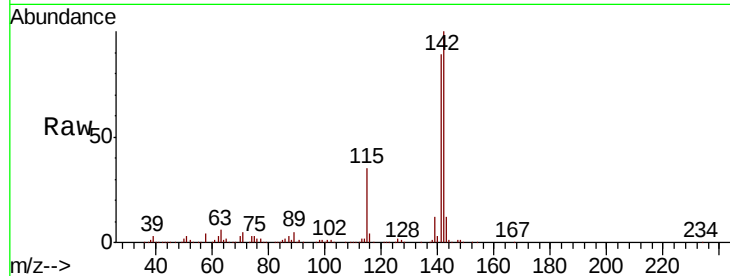
#37
2-Methylnaphthalene
Concen: 46.104 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.4	107.2
115	34.9	28.9	43.3

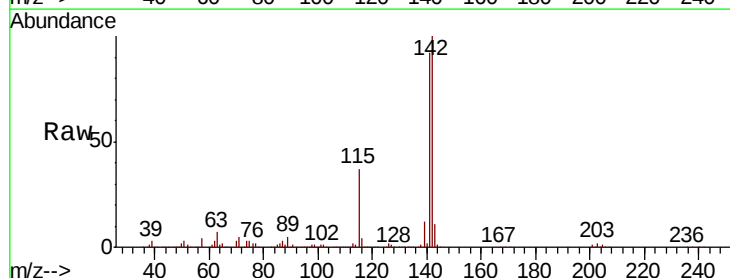
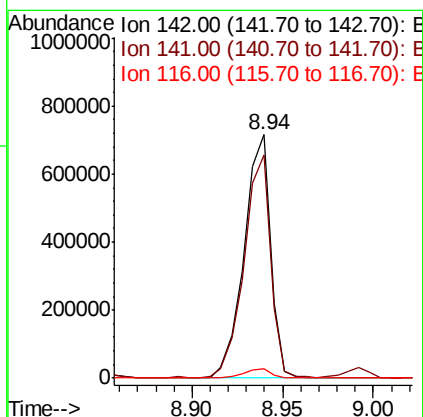
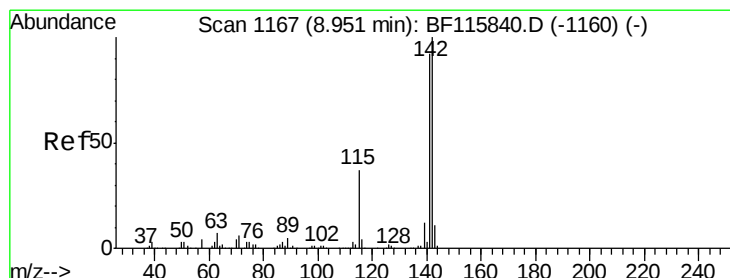
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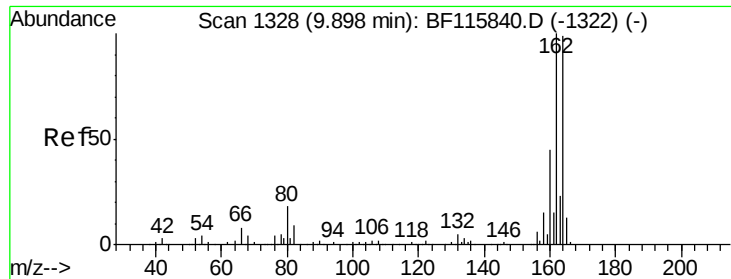
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#38
1-Methylnaphthalene
Concen: 45.493 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.8	110.6
116	3.6	3.1	4.7





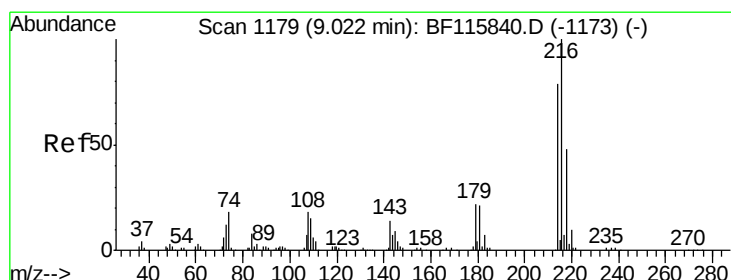
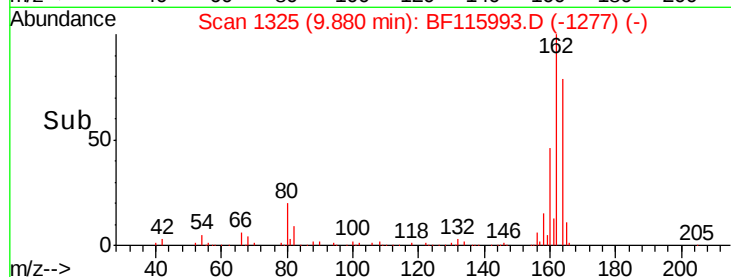
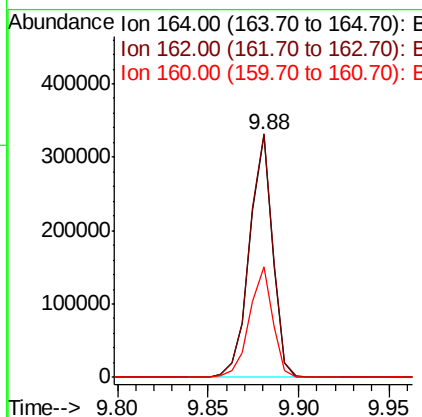
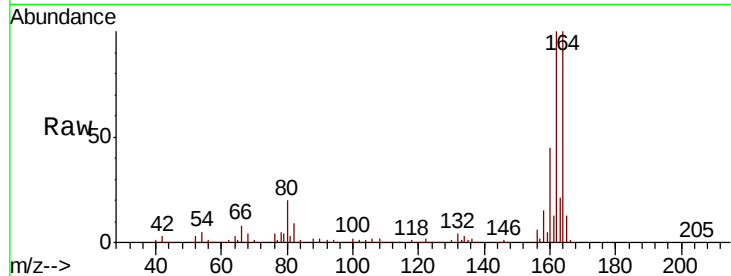
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	292127		
162	100.4	80.8	121.2	
160	45.5	36.2	54.4	

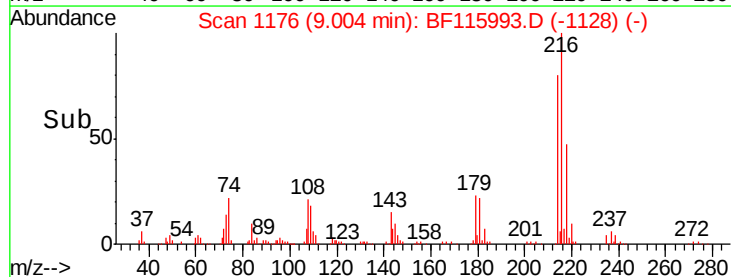
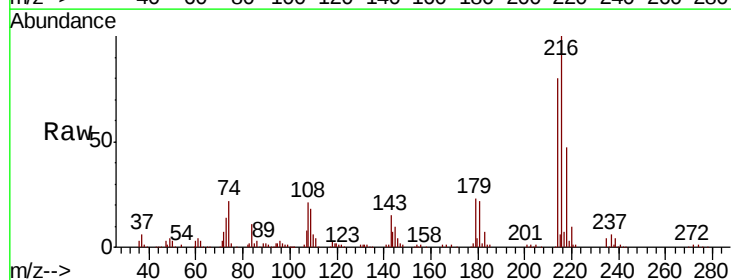
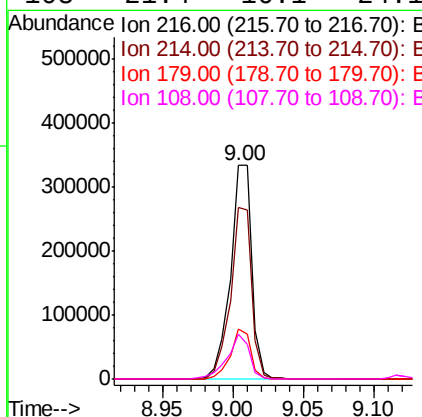
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.985 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	351318		
214	79.3	62.8	94.2	
179	22.0	17.6	26.4	
108	21.4	16.1	24.1	





#41

Hexachlorocyclopentadiene

Concen: 62.328 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

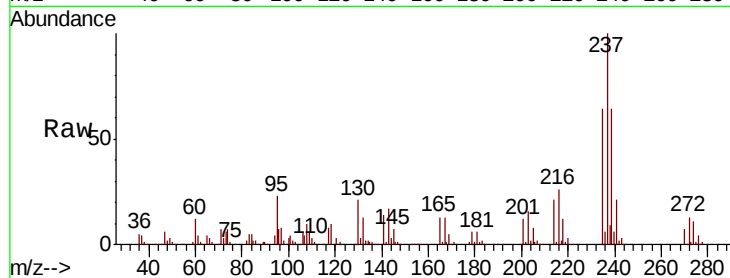
ClientSampleId :

PL-02-080119MSD

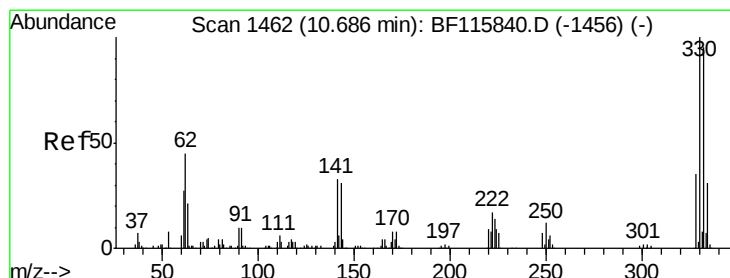
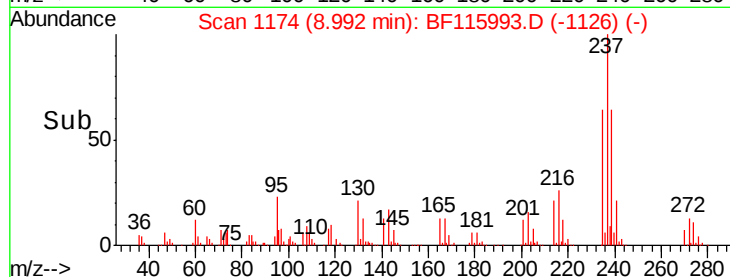
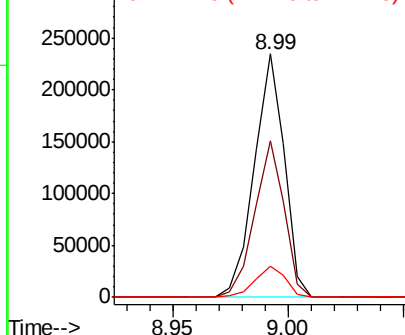
Tot Ion:	237	Resp:	213571
Ion Ratio	Lower	Upper	
237	100		
235	64.2	42.5	82.5
272	12.9	0.0	33.3

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



#42

2,4,6-Tribromophenol

Concen: 140.168 ng

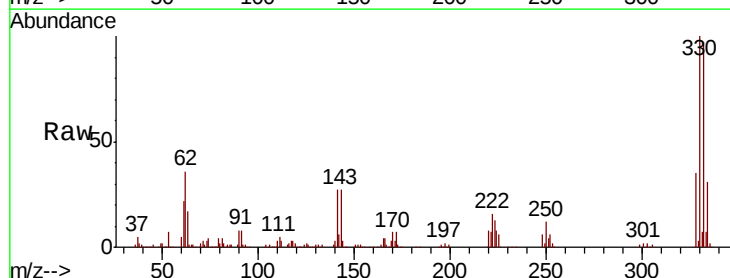
RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

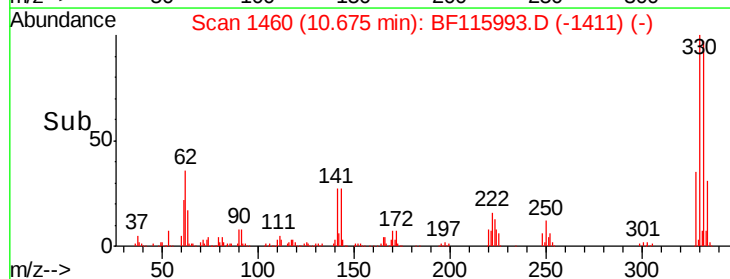
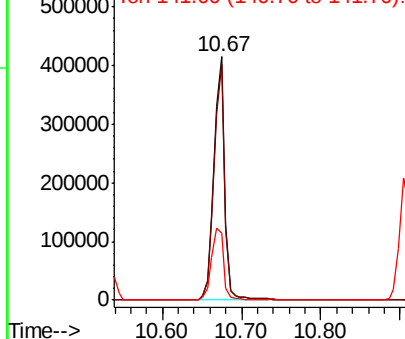
Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	330	Resp:	396992
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.7	116.5
141	32.9	28.1	42.1



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





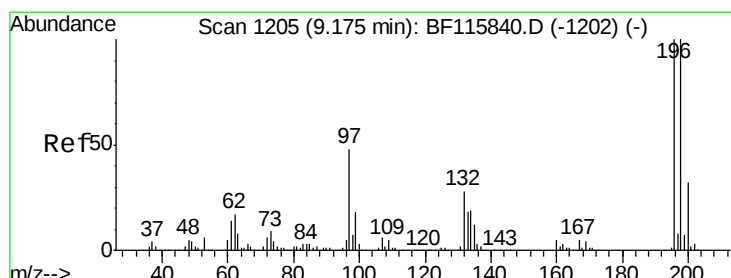
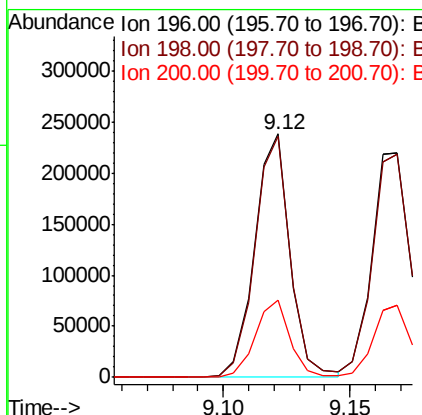
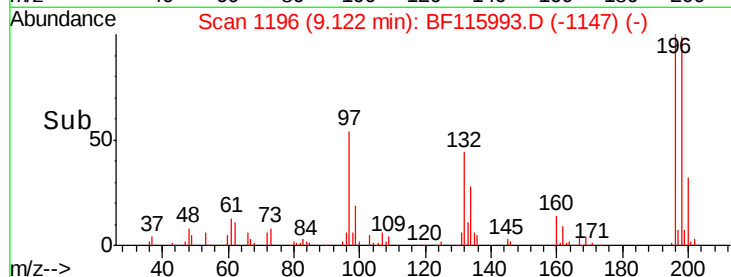
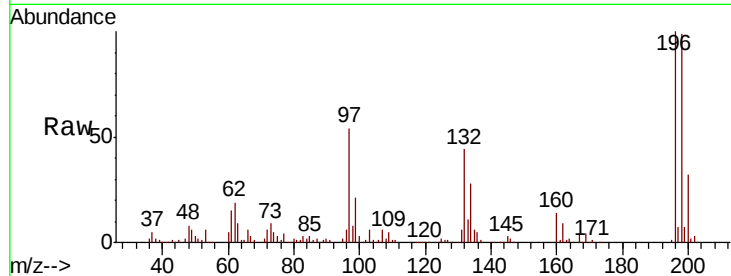
#43
 2,4,6-Trichlorophenol
 Concen: 43.263 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	232560		
198	98.8	79.1	118.7	
200	31.8	26.0	39.0	

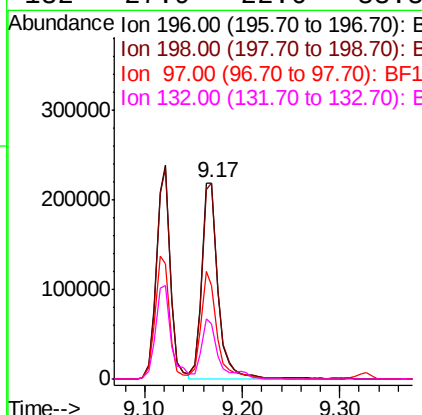
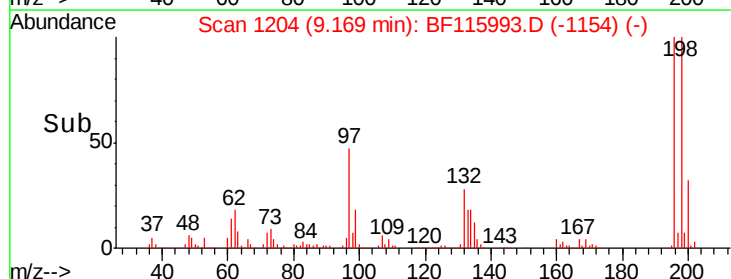
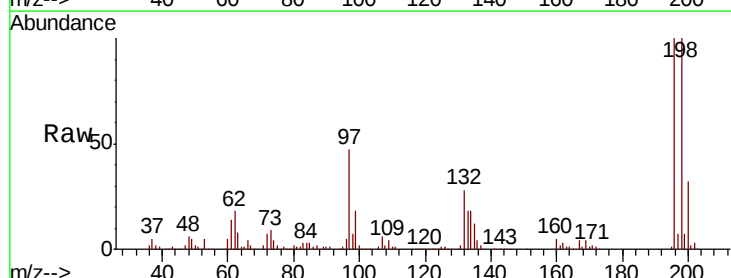
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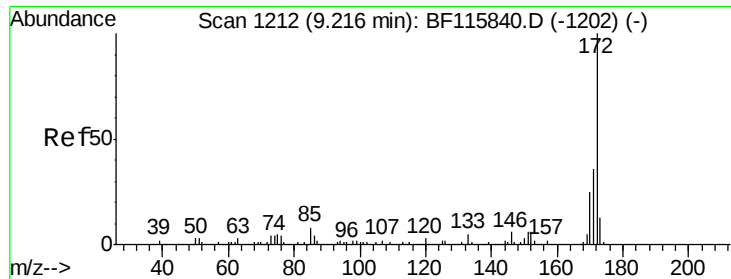
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#44
 2,4,5-Trichlorophenol
 Concen: 45.516 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	252918		
198	99.6	80.1	120.1	
97	47.3	38.9	58.3	
132	27.9	22.6	33.8	





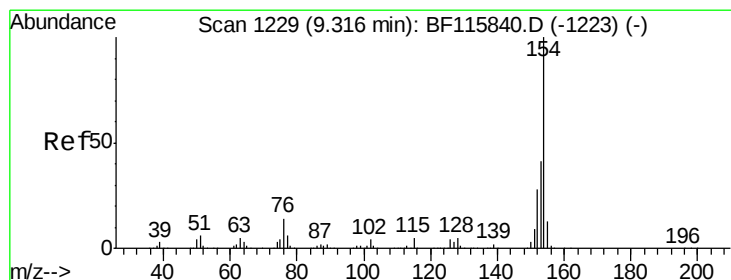
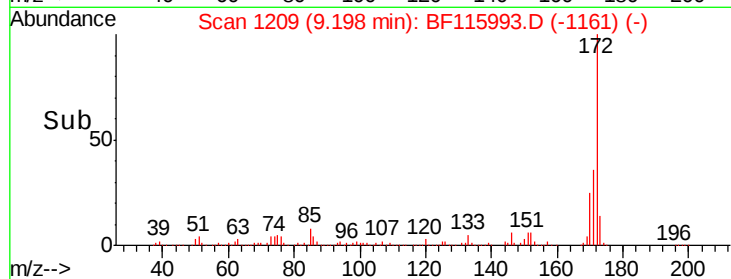
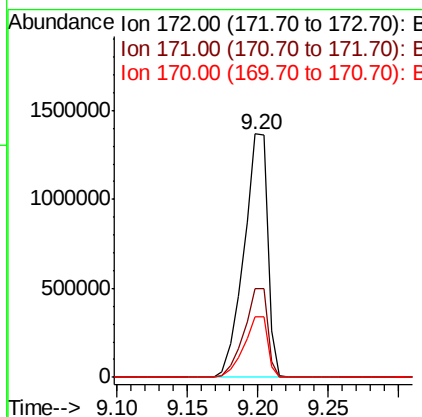
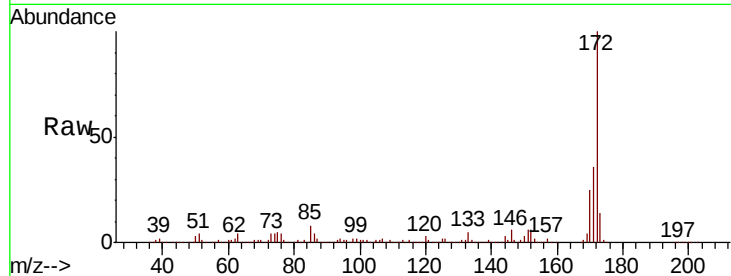
#45
2-Fluorobiphenyl
Concen: 103.192 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.1	43.7
170	24.8	20.1	30.1

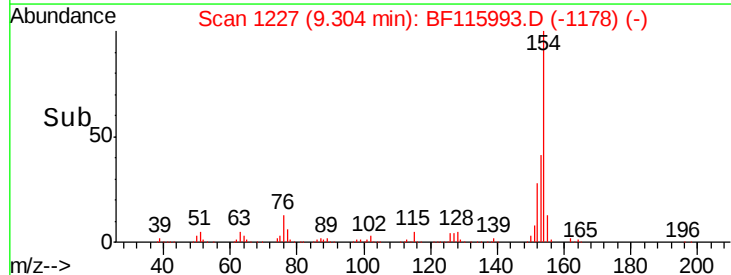
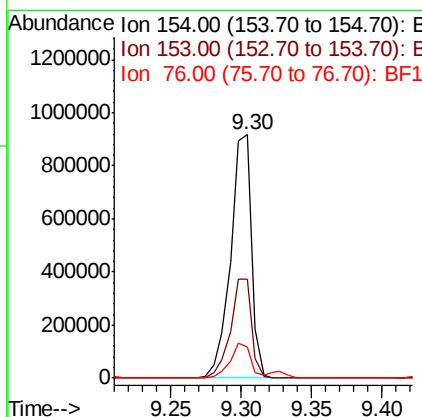
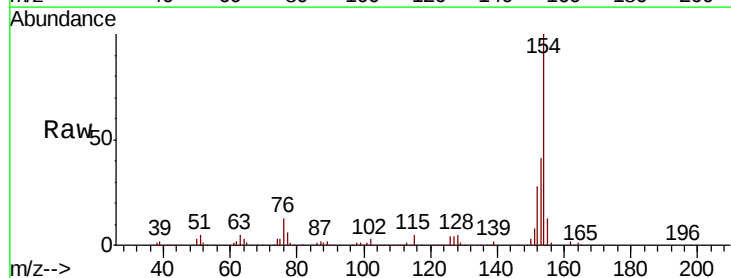
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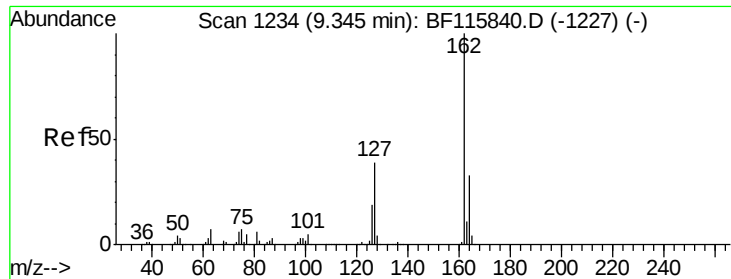
mohammad
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#46
1,1'-Biphenyl
Concen: 45.777 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	12.6	0.0	34.3





#47

2-Chloronaphthalene

Concen: 42.849 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

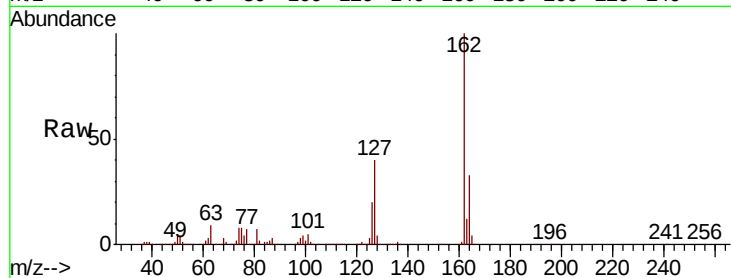
ClientSampleId :

PL-02-080119MSD

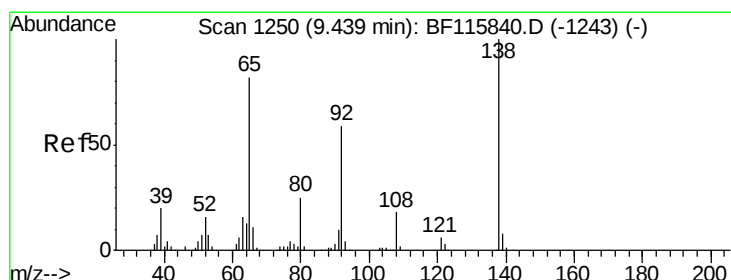
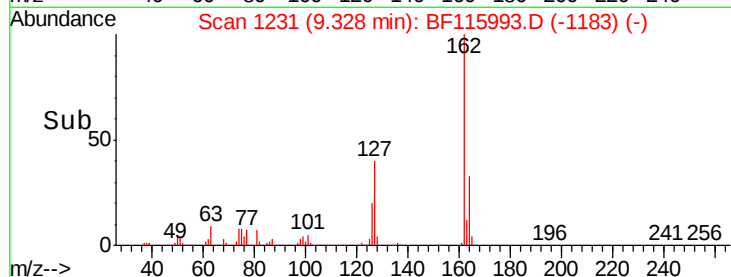
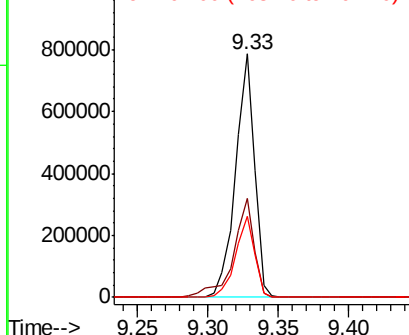
Tot Ion:	162	Resp:	73512
Ion Ratio	Lower	Upper	
162	100		
127	40.5	31.3	46.9
164	33.4	26.6	40.0

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 41.500 ng

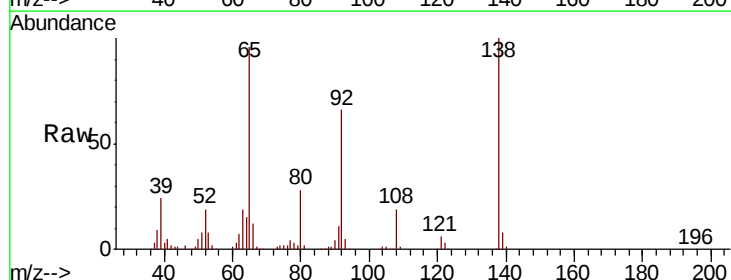
RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

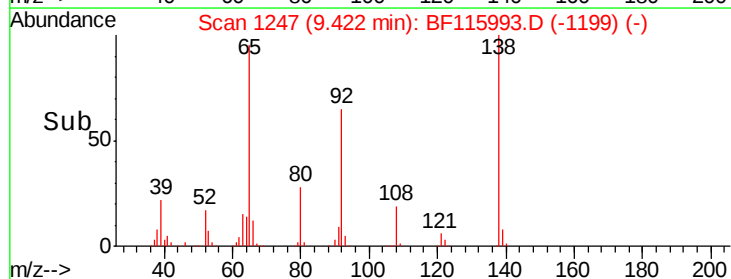
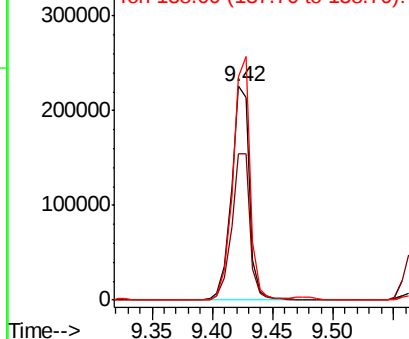
Lab File: BF115993.D

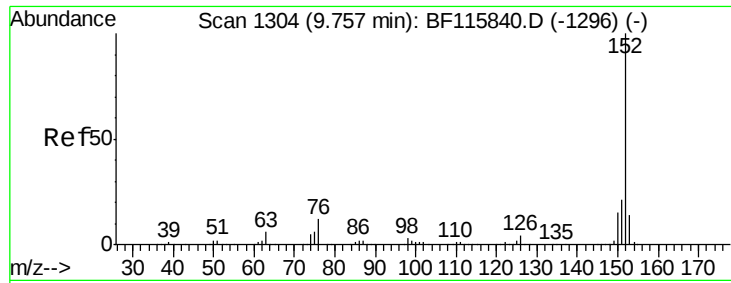
Acq: 5 Aug 2019 21:21

Tgt Ion:	65	Resp:	235463
Ion Ratio	Lower	Upper	
65	100		
92	68.3	57.1	85.7
138	104.2	97.1	145.7



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.442 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

ClientSampleId :

PL-02-080119MSD

Tot Ion:152 Resp: 1137978

Ion Ratio Lower Upper

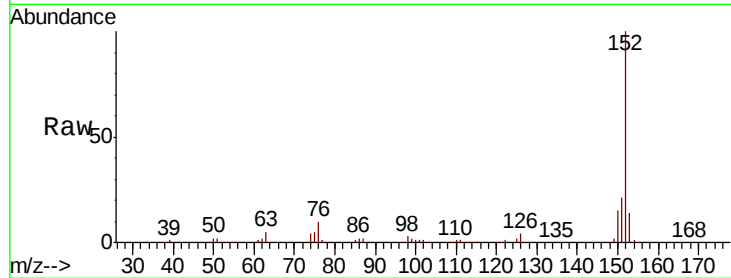
152 100

151 20.8 16.8 25.2

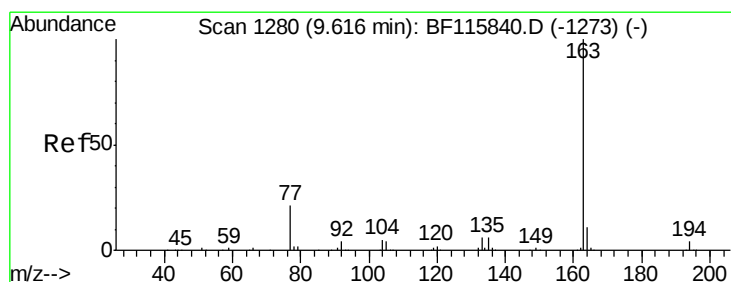
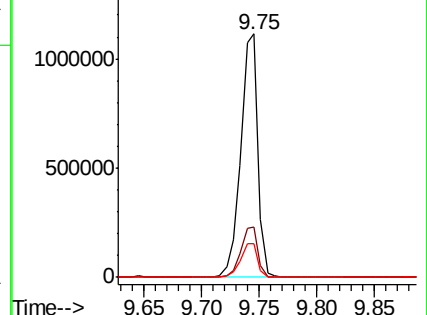
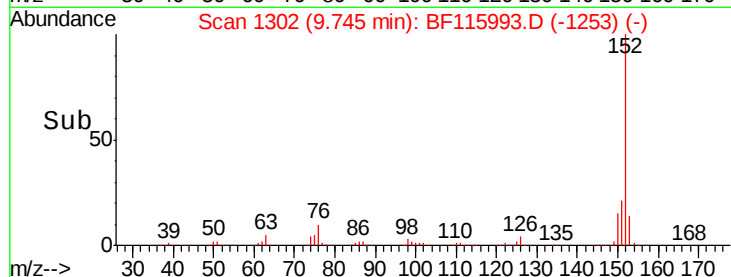
153 13.7 11.6 17.4

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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: 44.735 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

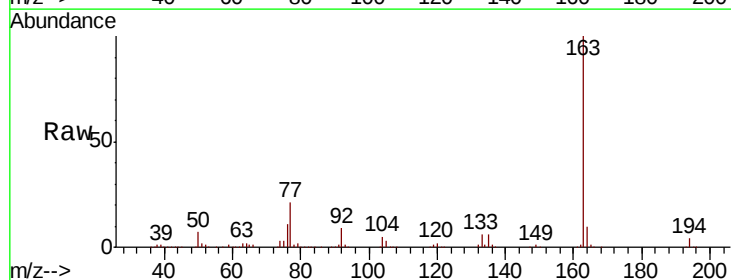
Tgt Ion:163 Resp: 889796

Ion Ratio Lower Upper

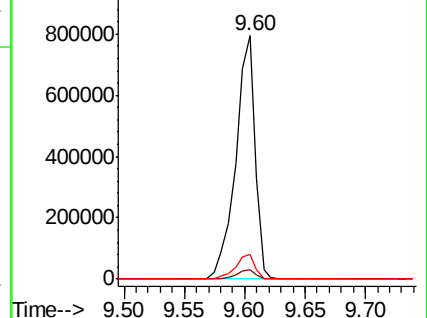
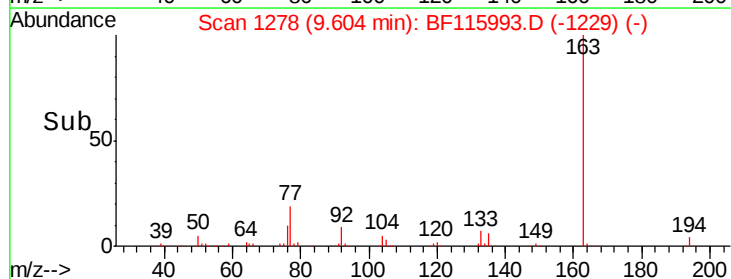
163 100

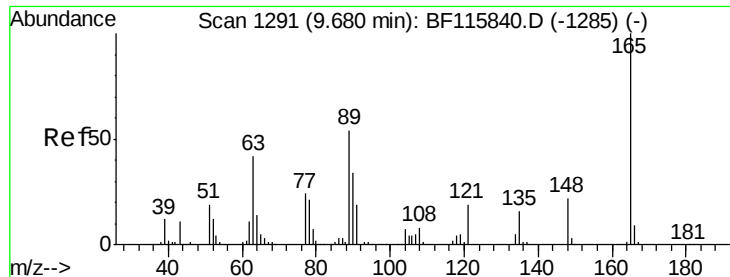
194 3.9 3.0 4.6

164 10.1 8.4 12.6



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: 45.271 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

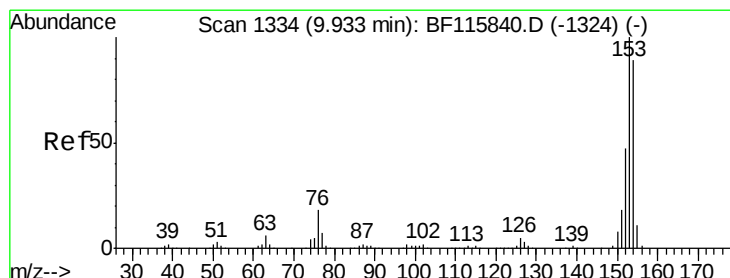
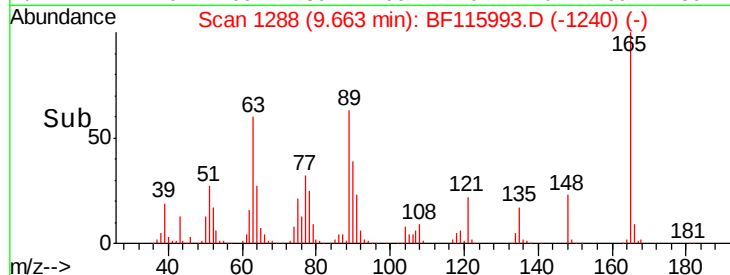
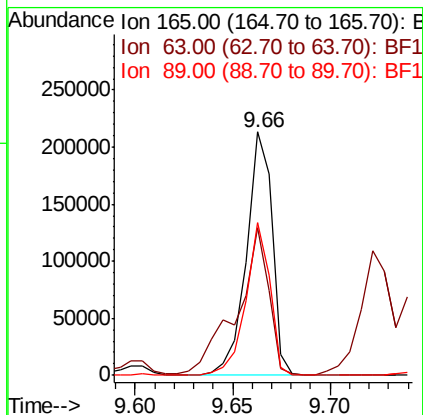
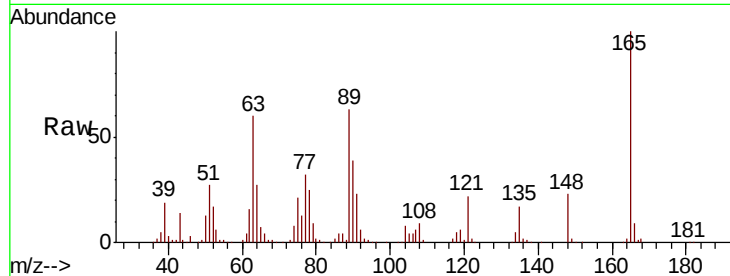
ClientSampleId :

PL-02-080119MSD

Tot Ion:	165	Resp:	195689
Ion Ratio	Lower	Upper	
165	100		
63	60.5	39.4	59.2#
89	62.8	43.0	64.6

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#52

Acenaphthene

Concen: 44.392 ng

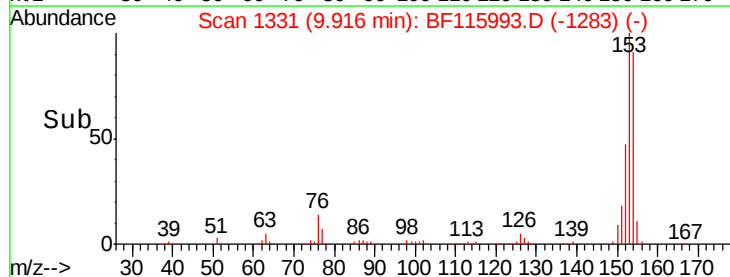
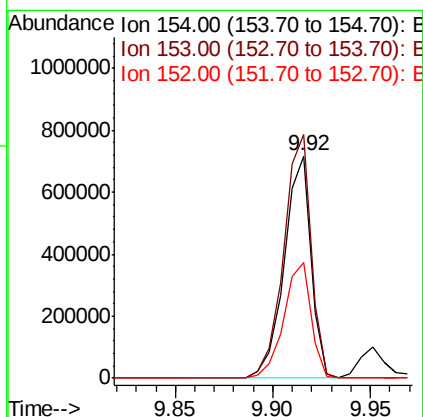
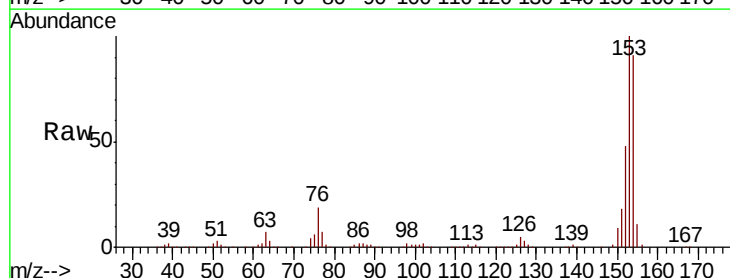
RT: 9.92 min Scan# 1331

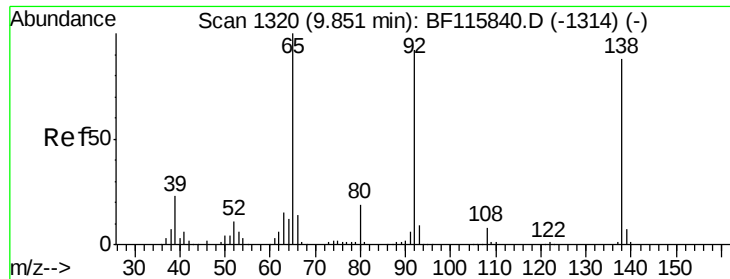
Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	154	Resp:	682008
Ion Ratio	Lower	Upper	
154	100		
153	109.7	90.1	135.1
152	52.3	42.6	63.8





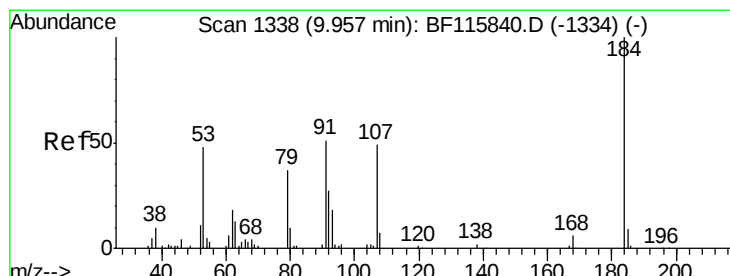
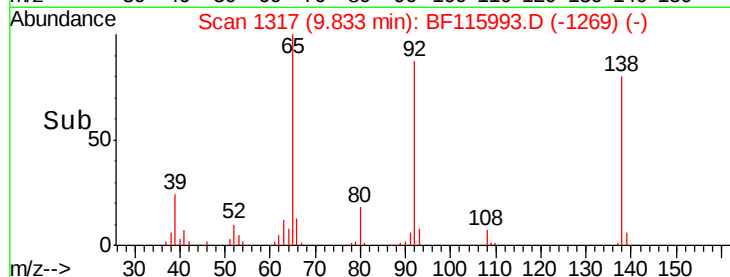
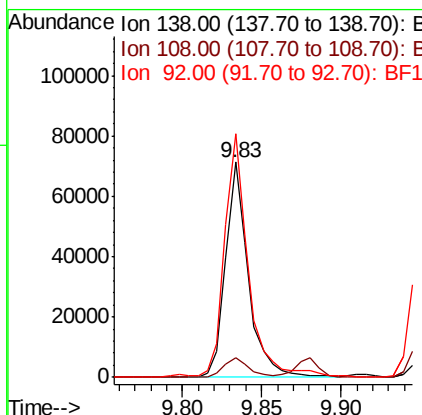
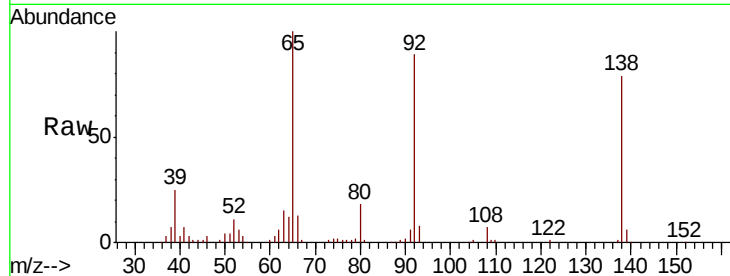
#53
3-Nitroaniline
Concen: 13.361 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.4	11.2
92	113.1	83.9	125.9

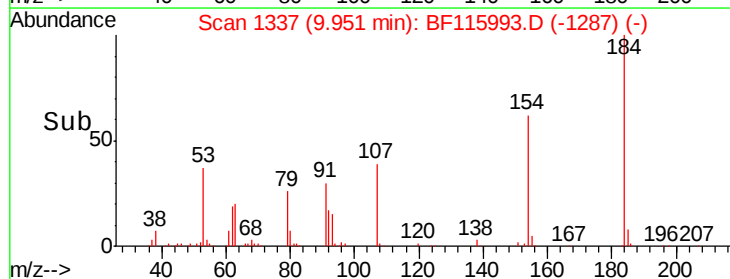
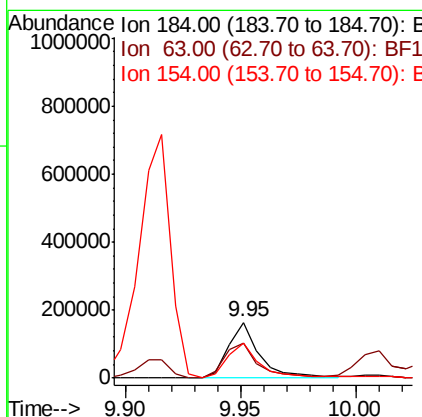
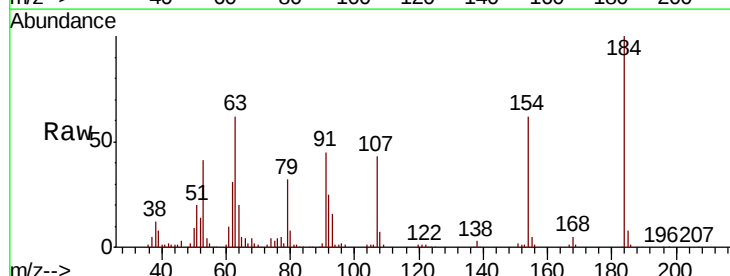
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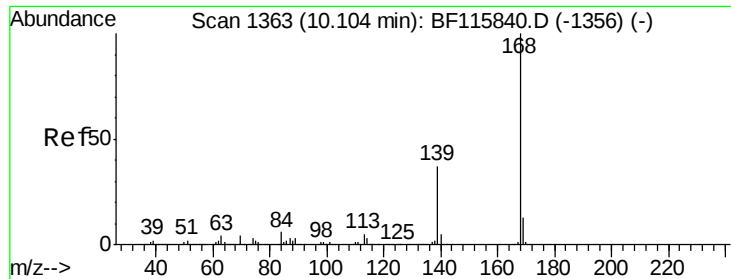
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#54
2,4-Dinitrophenol
Concen: 71.300 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.0	56.7	85.1
154	61.6	51.9	77.9





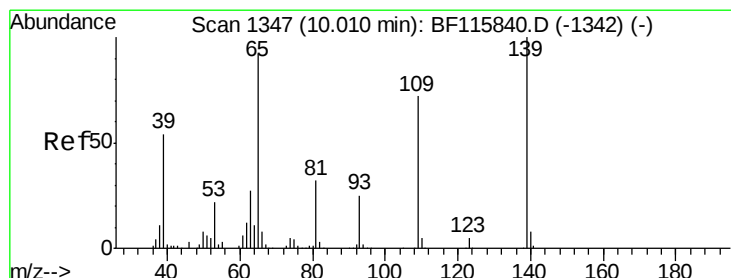
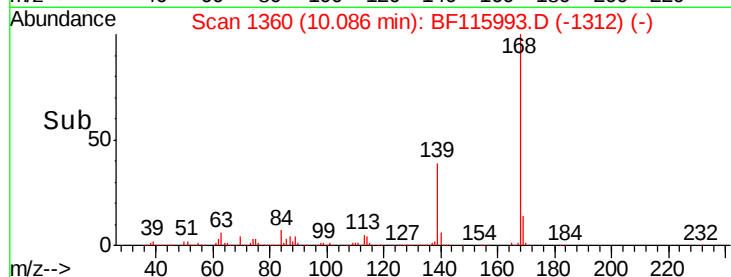
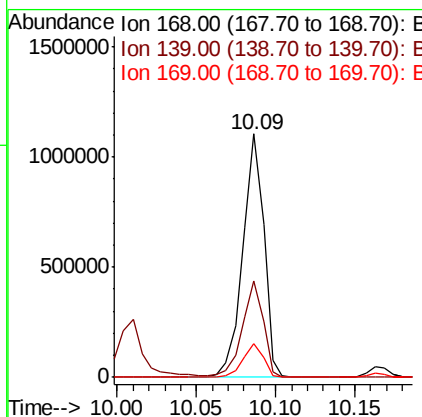
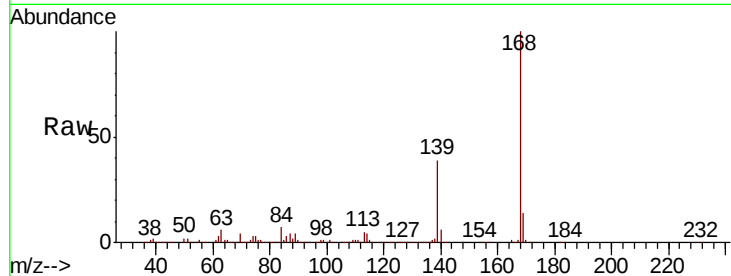
#55
Dibenzofuran
Concen: 45.557 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.2	45.2
169	13.8	10.8	16.2

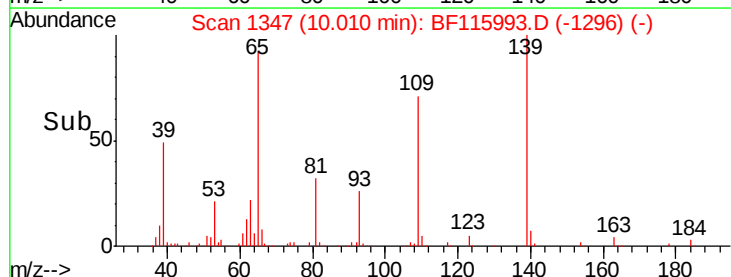
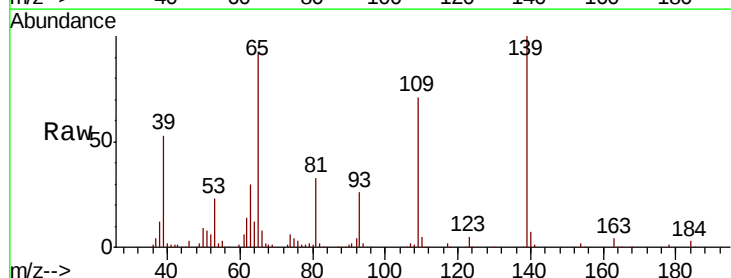
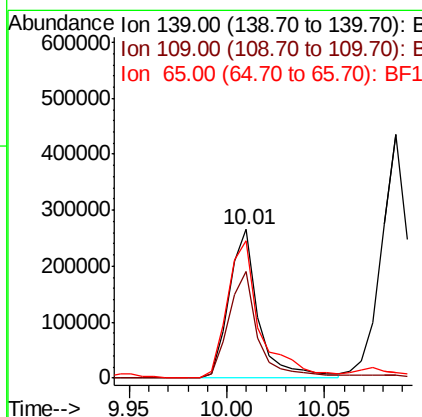
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#56
4-Nitrophenol
Concen: 81.752 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.0	92.0
65	92.3	72.6	112.6





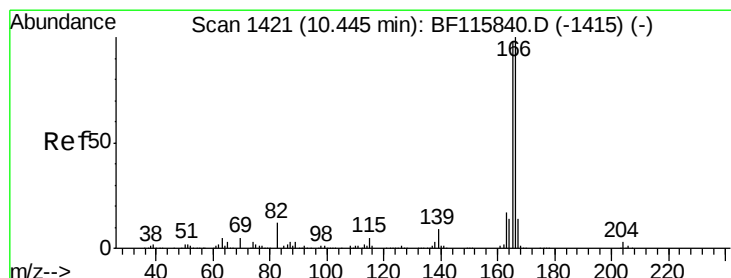
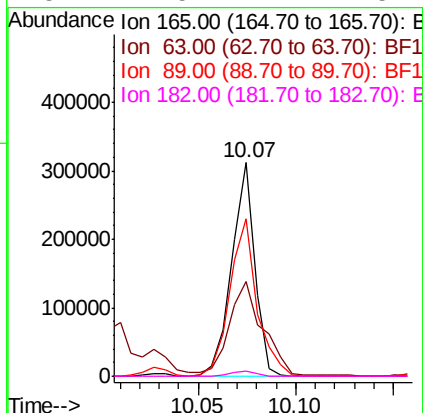
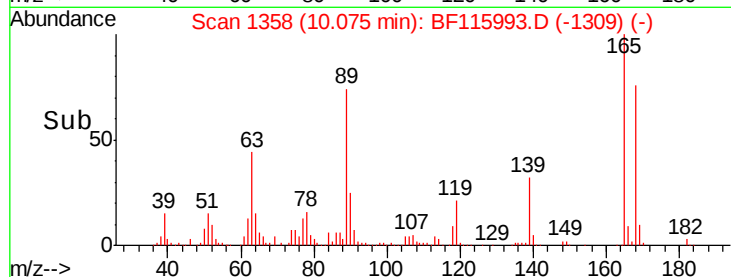
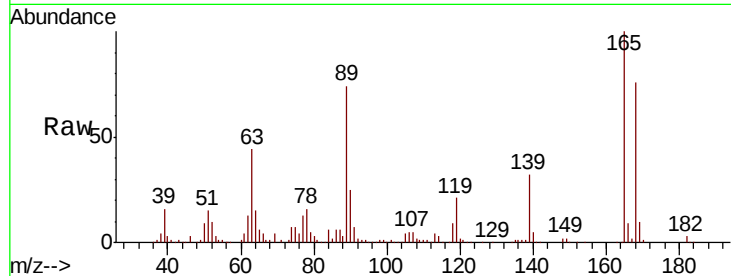
#57
2,4-Dinitrotoluene
Concen: 44.899 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	258399		
63	44.2	33.2	49.8	
89	73.6	57.3	85.9	
182	2.5	2.1	3.1	

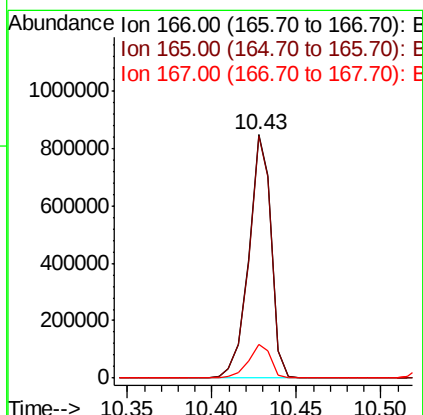
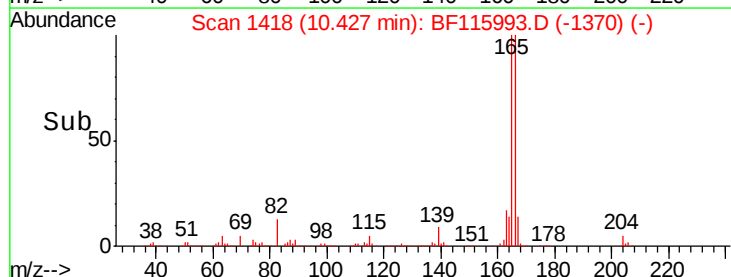
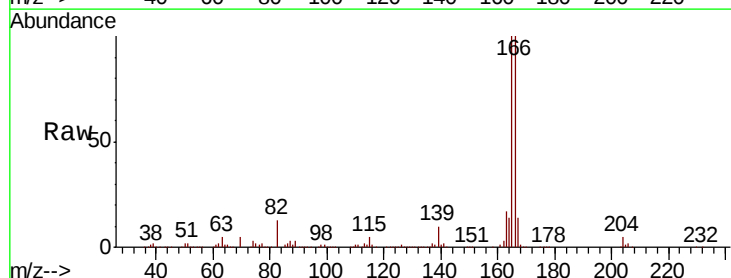
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#58
Fluorene
Concen: 45.782 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	786973		
165	99.7	78.6	118.0	
167	13.8	10.9	16.3	





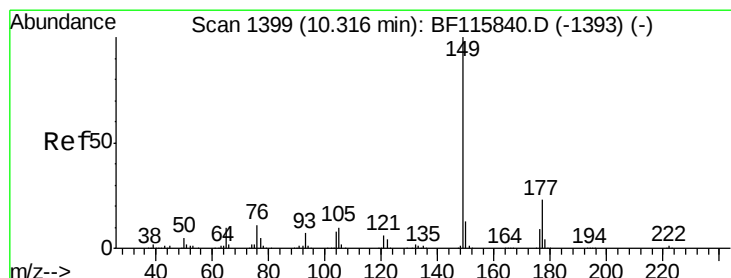
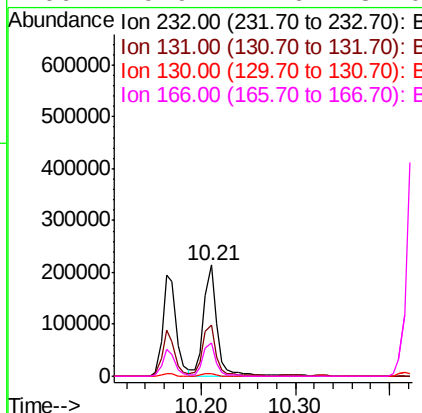
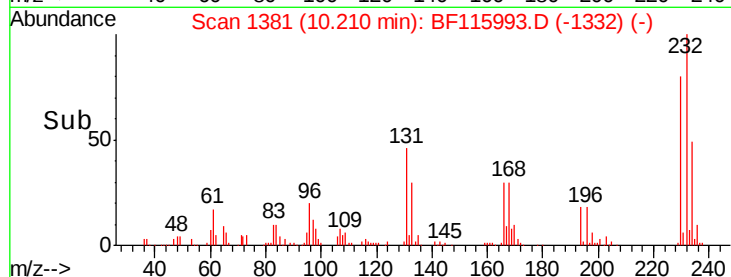
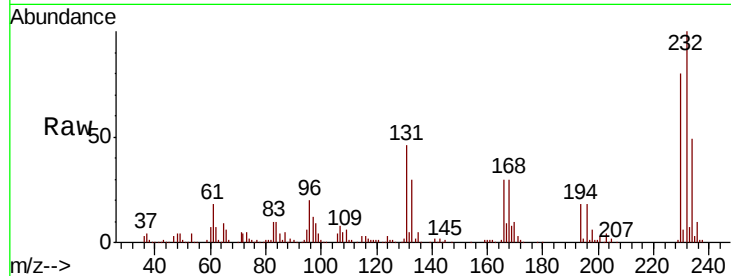
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.524 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		212822		
131	46.4	37.6	56.4		
130	2.5	1.8	2.8		
166	29.9	24.6	37.0		

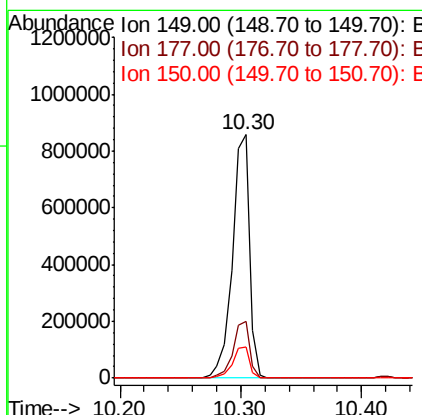
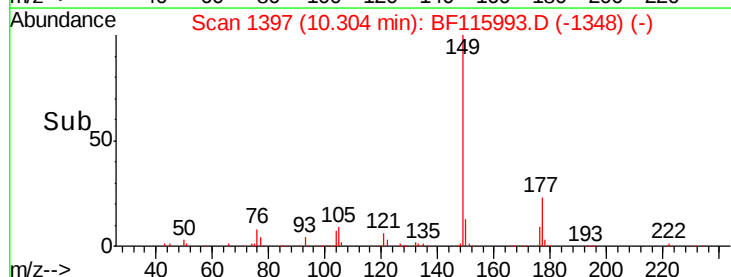
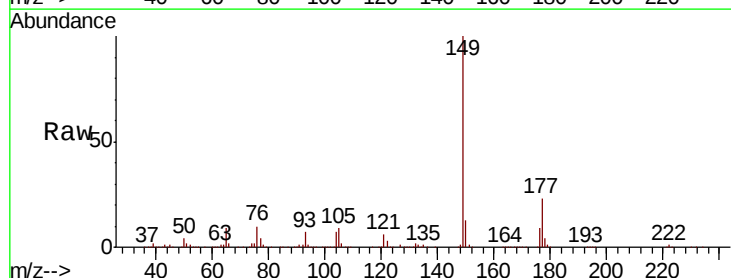
Manual Integrations
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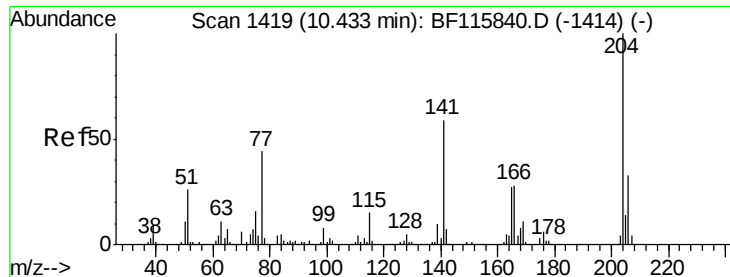
mohammad
 8/8/2019 4:45:48 PM



#60
 Diethylphthalate
 Concen: 45.684 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		848367		
177	23.4	18.4	27.6		
150	12.7	10.1	15.1		





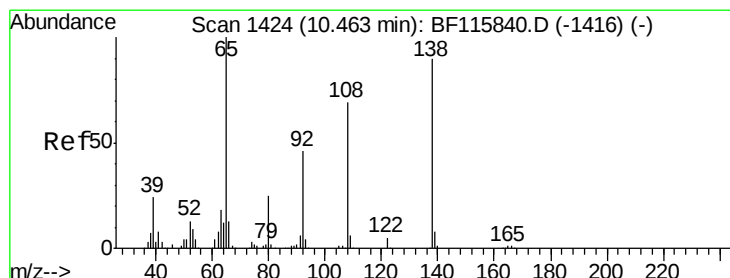
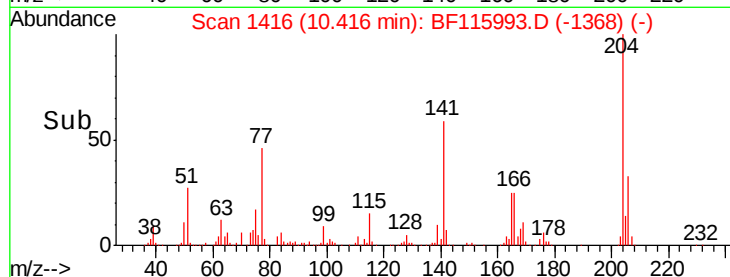
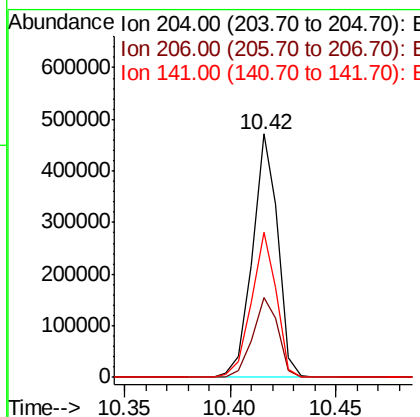
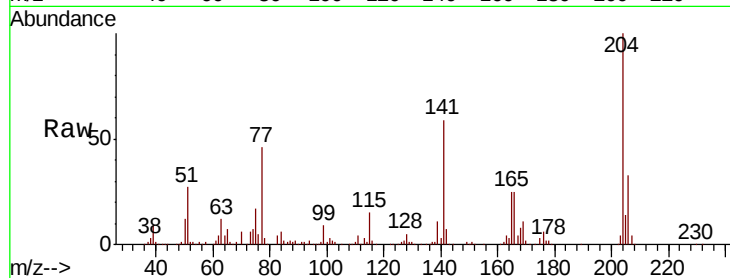
#61
4-Chlorophenyl-phenylether
Concen: 45.277 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.4	39.6
141	59.4	47.0	70.4

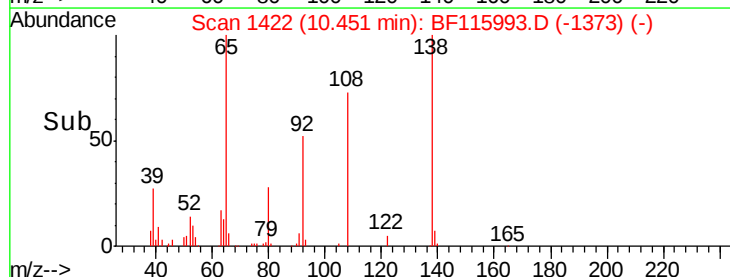
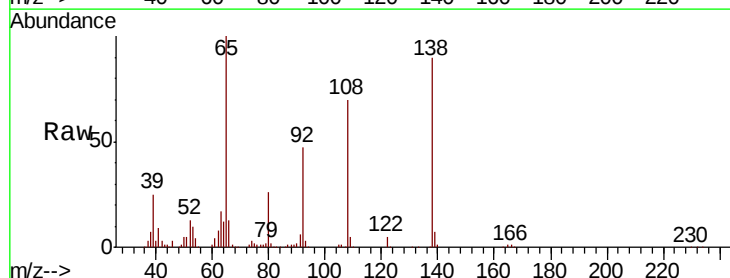
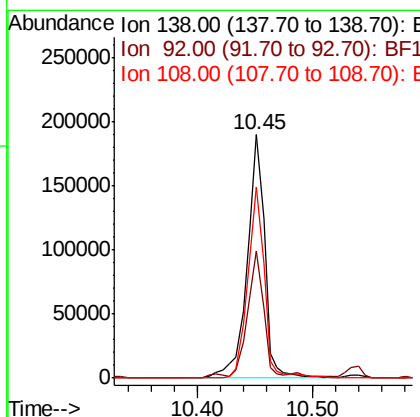
Manual Integrations
APPROVED

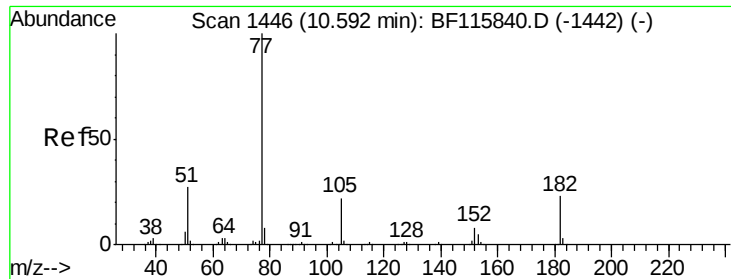
mohammad
8/8/2019 4:45:48 PM



#62
4-Nitroaniline
Concen: 36.277 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.0	71.0
108	78.4	56.7	96.7





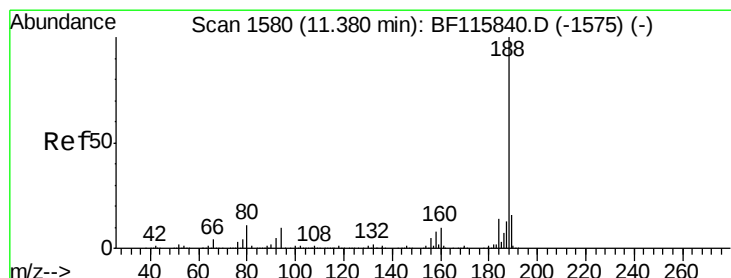
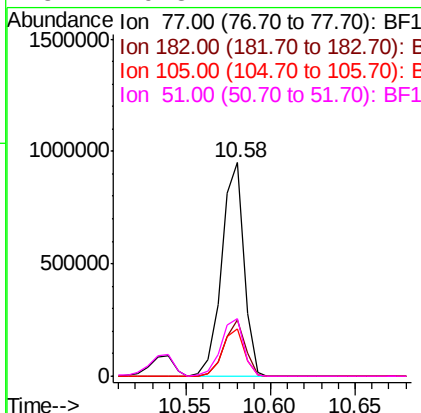
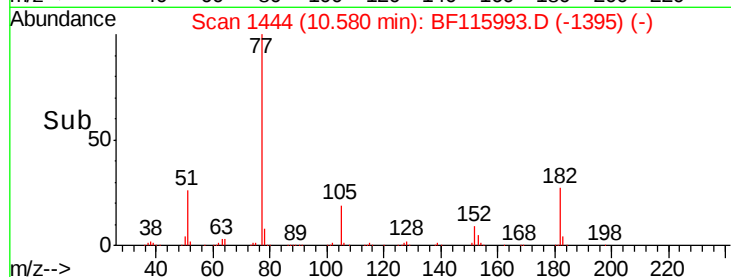
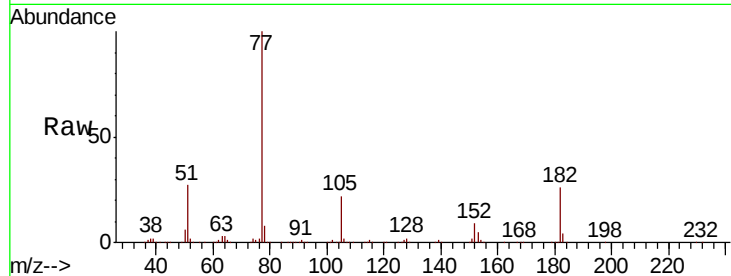
#63
Azobenzene
Concen: 45.700 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
77	100	872906		
182	26.5		2.6	42.6
105	22.4		1.6	41.6
51	26.8		7.4	47.4

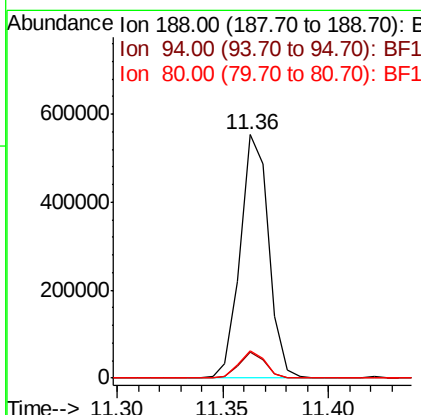
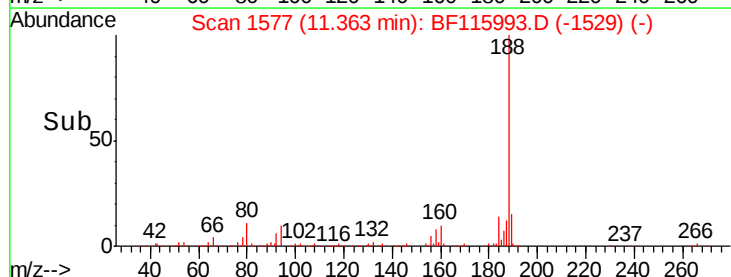
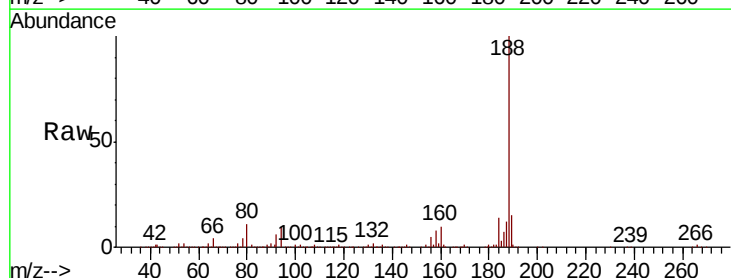
Manual Integrations
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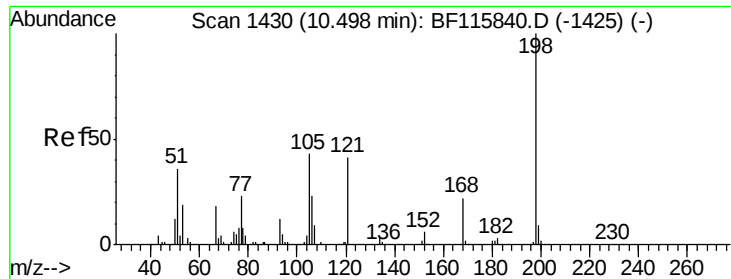
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	514921		
94	10.4		8.0	12.0
80	11.2		8.6	12.8





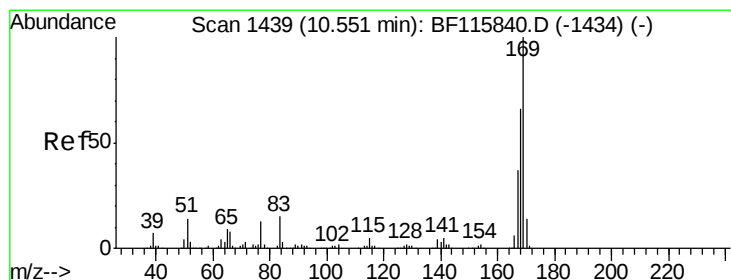
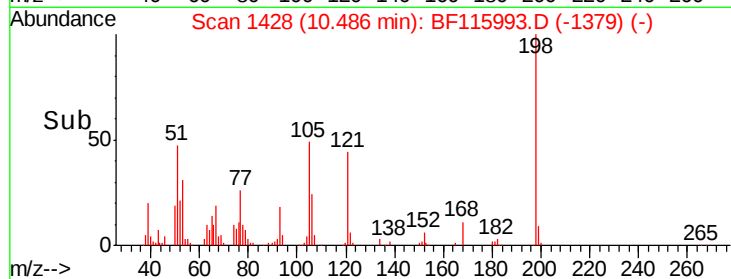
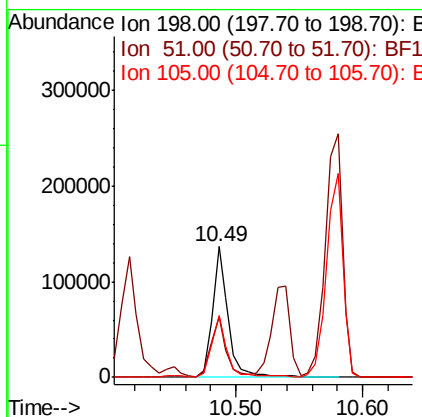
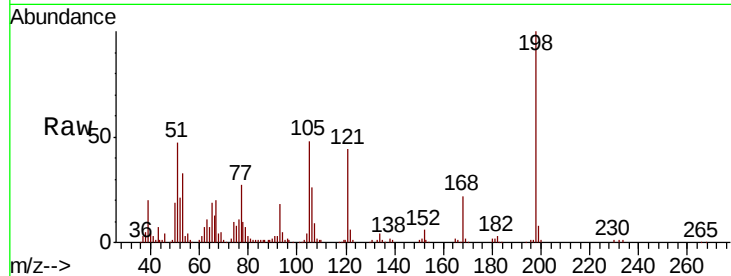
#65
 4,6-Dinitro-2-methylphenol
 Concen: 43.618 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	119023		
51	46.5		21.1	61.1
105	47.9		24.5	64.5

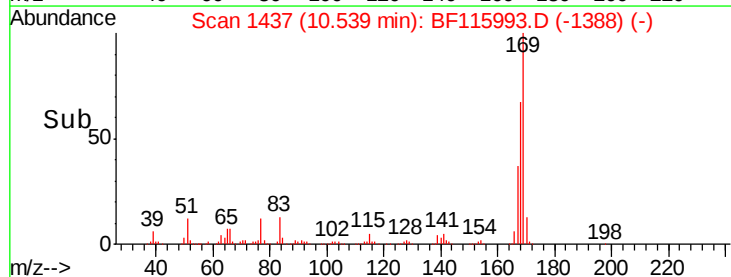
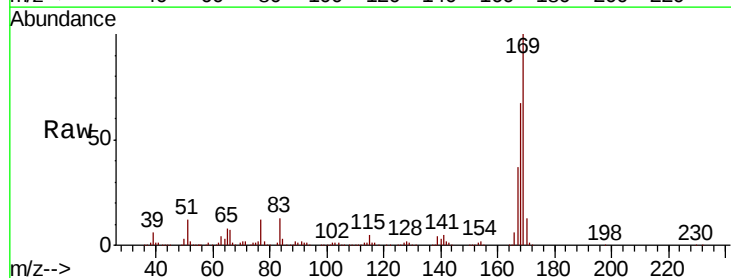
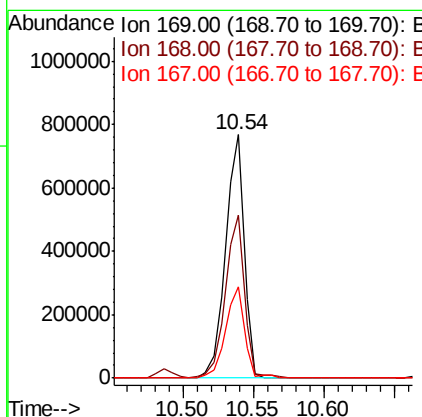
Manual Integrations
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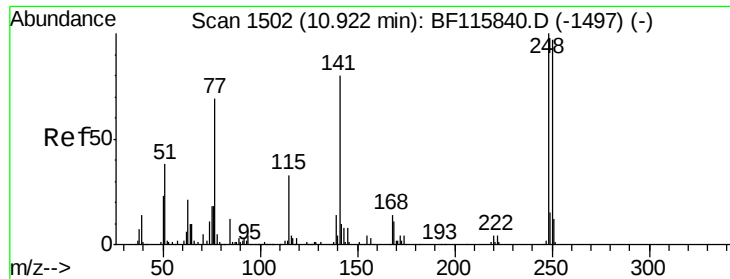
mohammad
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#66
 n-Nitrosodiphenylamine
 Concen: 45.730 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	708753		
168	67.0		53.0	79.6
167	37.3		29.9	44.9





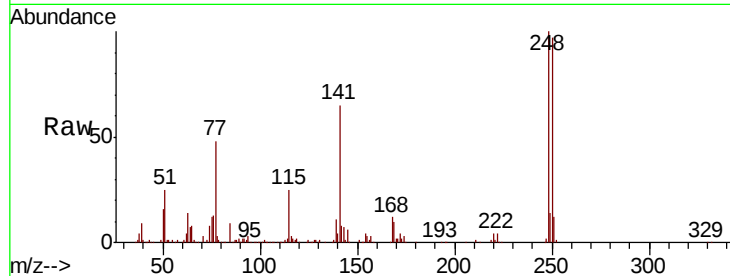
#67
4-Bromophenyl-phenylether
Concen: 44.220 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.8	116.6
141	65.0	64.3	96.5

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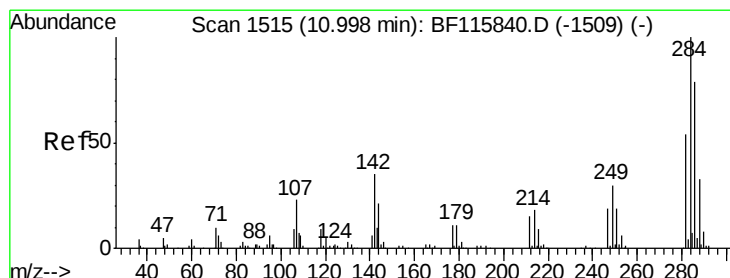
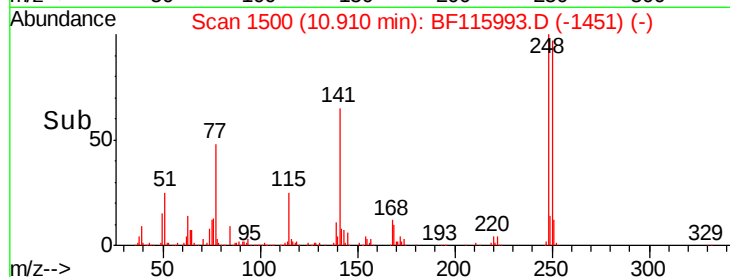
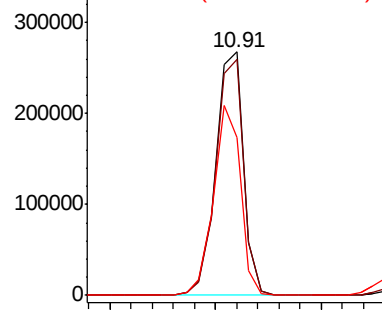


Abundance

Ion 248.00 (247.70 to 248.70): E

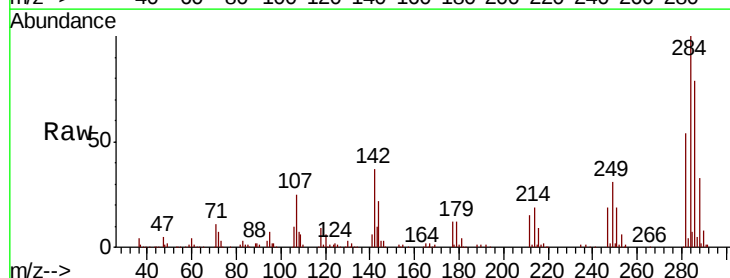
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 43.118 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	28.2	42.2
249	30.7	24.0	36.0

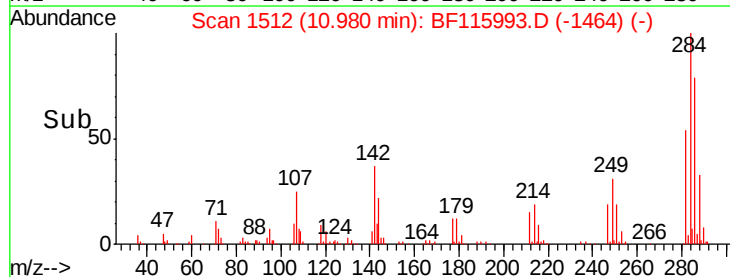
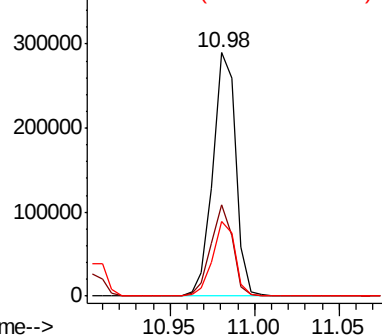


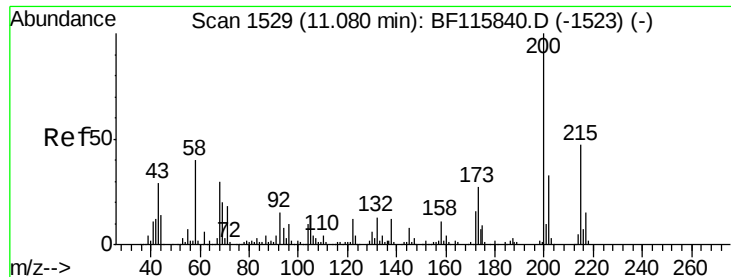
Abundance

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





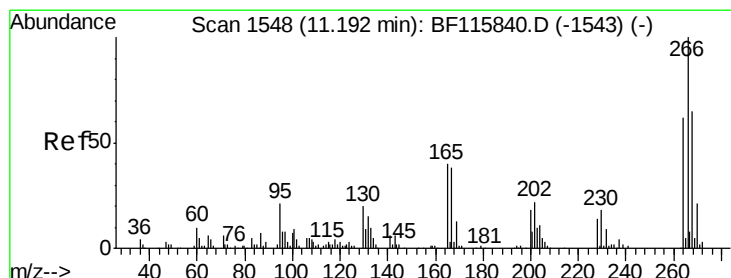
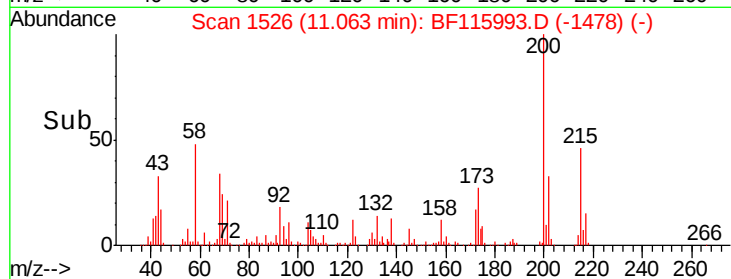
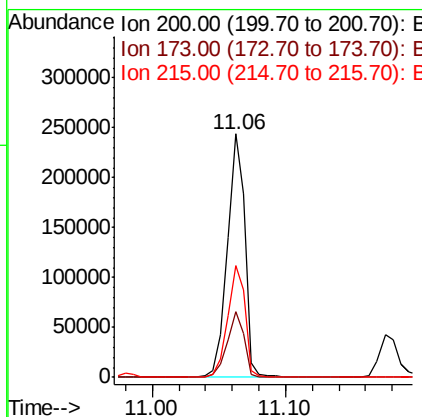
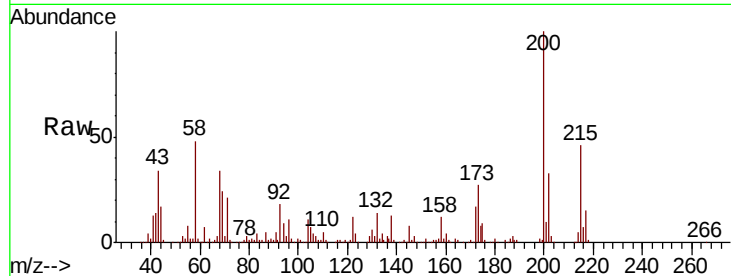
#69
 Atrazine
 Concen: 44.443 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	226605		
173	27.2	7.3	47.3	
215	45.9	26.9	66.9	

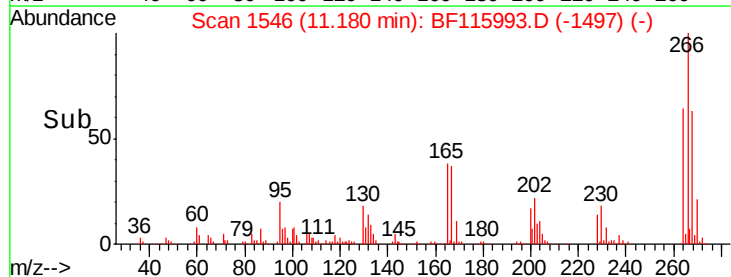
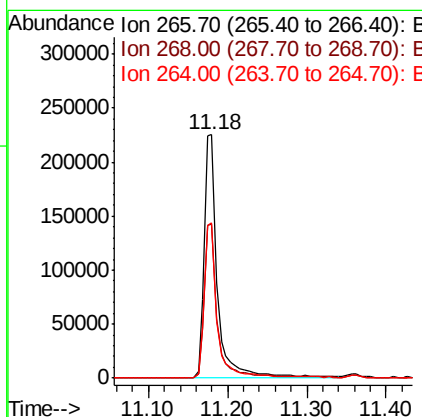
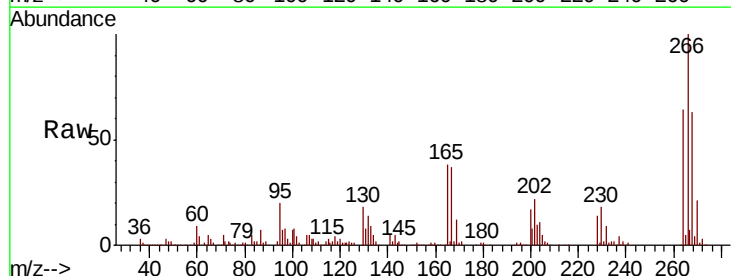
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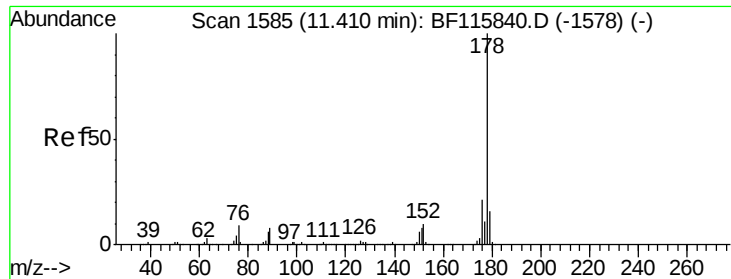
mohammad
 8/8/2019 4:45:48 PM



#70
 Pentachlorophenol
 Concen: 87.408 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	270489		
268	63.2	51.6	77.4	
264	63.8	49.4	74.0	





#71

Phenanthrene

Concen: 45.531 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

ClientSampleId :

PL-02-080119MSD

Tot Ion:178 Resp: 1198558

Ion Ratio Lower Upper

178 100

176 20.6 16.5 24.7

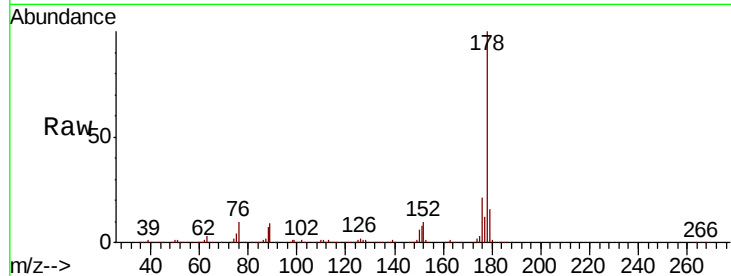
179 16.1 12.6 18.8

Manual Integrations

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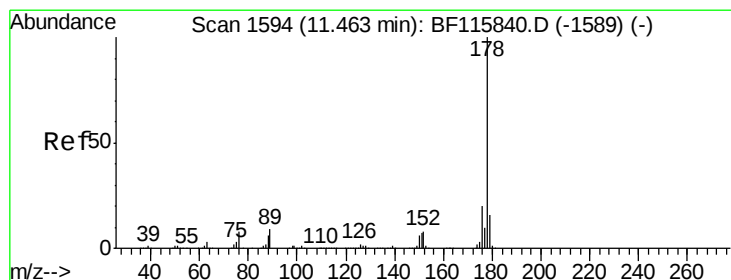
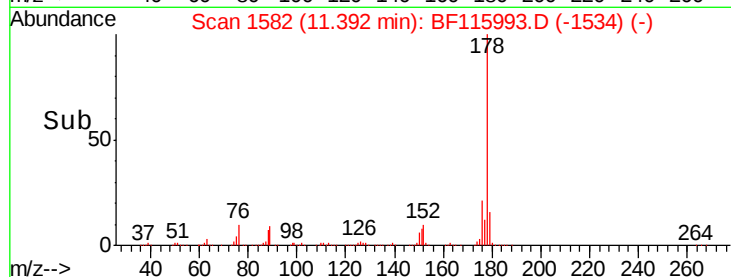
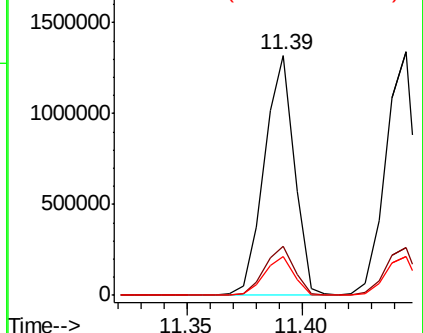
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 45.469 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

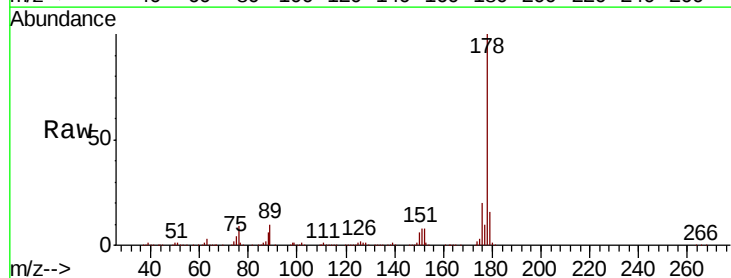
Tgt Ion:178 Resp: 1211332

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

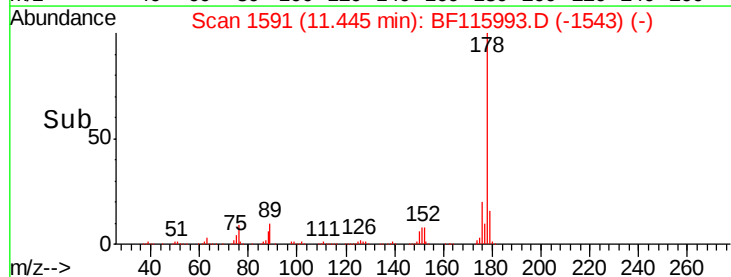
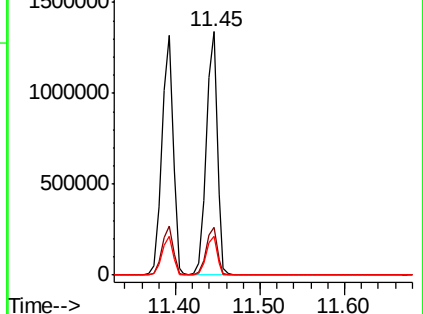
179 16.0 12.4 18.6



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





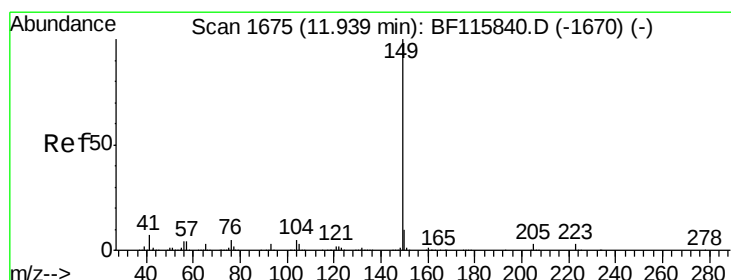
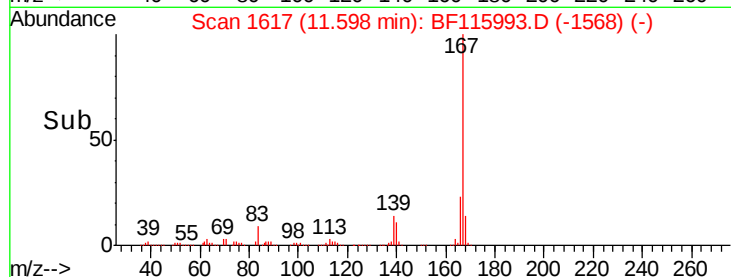
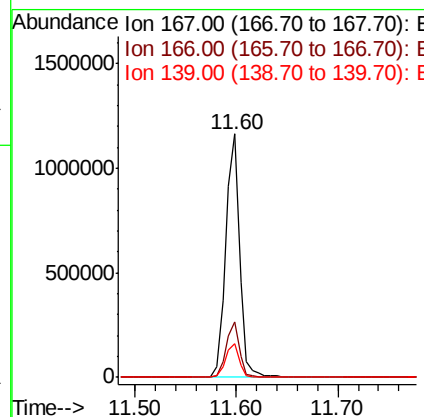
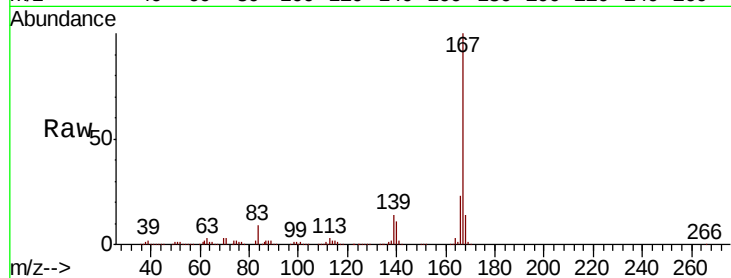
#73
 Carbazole
 Concen: 45.554 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.0	27.0
139	13.8	11.4	17.2

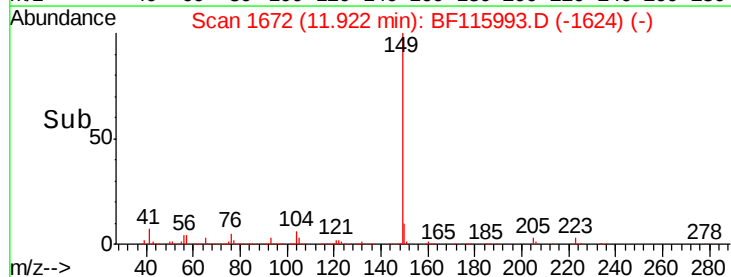
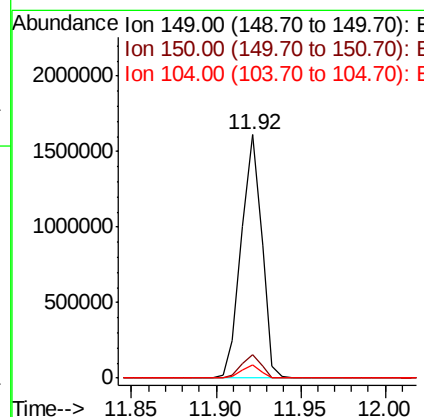
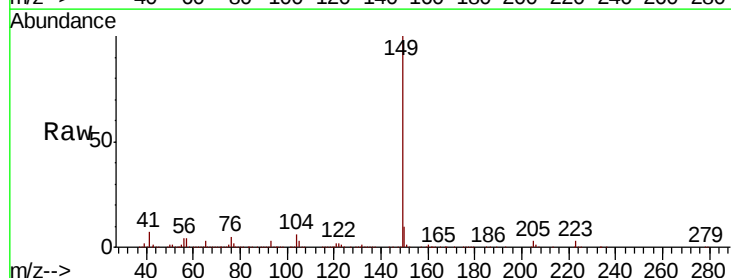
Manual Integrations
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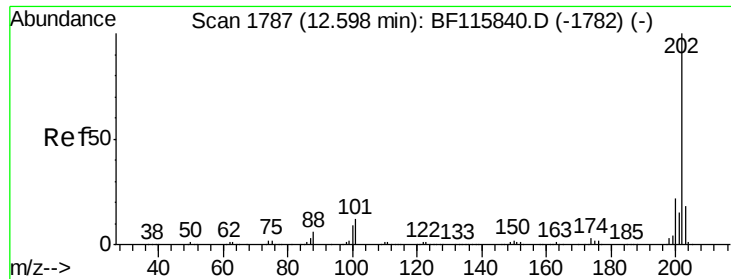
mohammad
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#74
 Di-n-butylphthalate
 Concen: 48.394 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.5	4.3	6.5





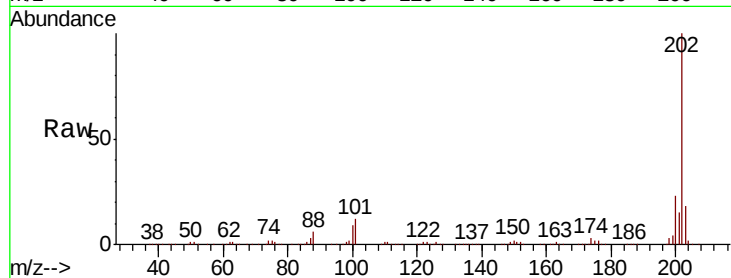
#75
 Fluoranthene
 Concen: 45.761 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1261099		
101	12.4		0.0	31.5
203	18.2		0.0	37.9

Manual Integrations
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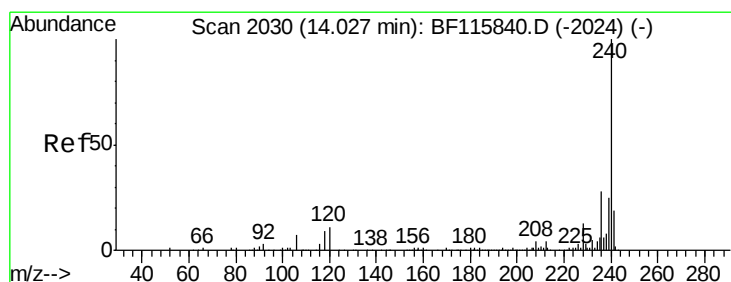
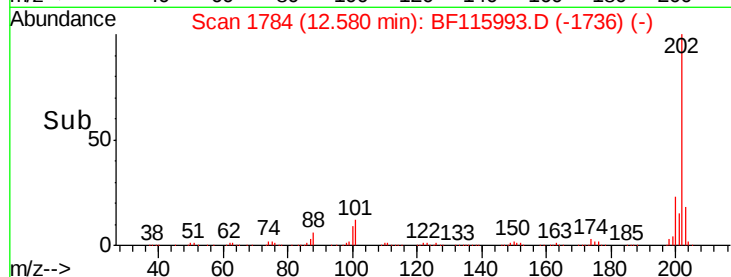
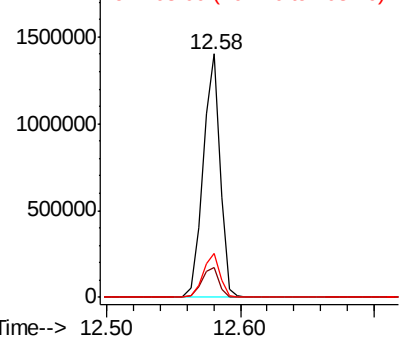


Abundance

Ion 202.00 (201.70 to 202.70): E

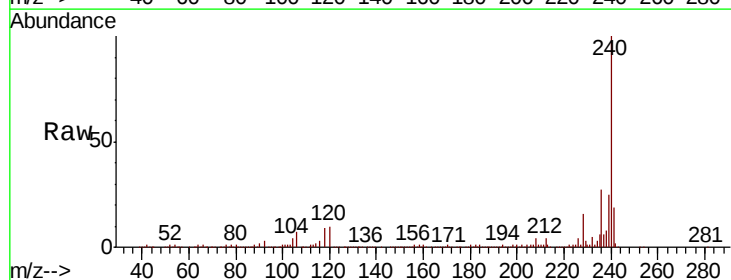
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	372522		
120	9.8		8.5	12.7
236	27.2		22.2	33.2

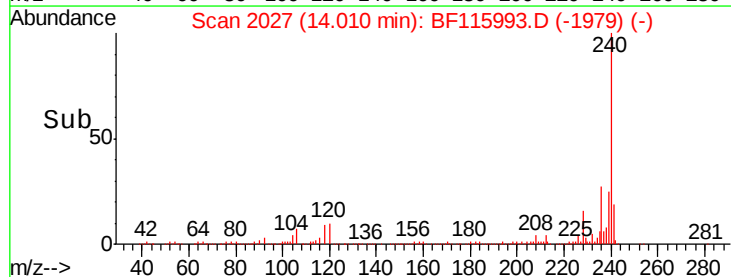
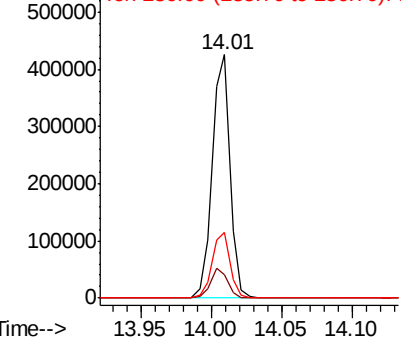


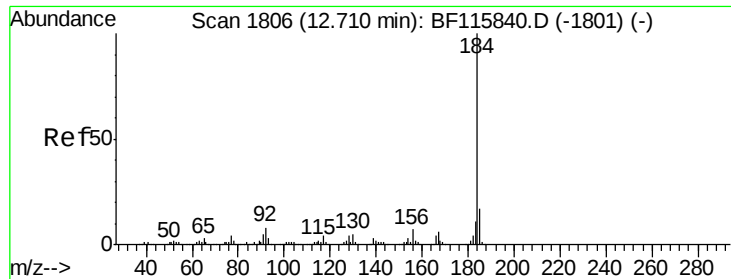
Abundance

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: 2.104 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

ClientSampleId :

PL-02-080119MSD

Tot Ion:184 Resp: 26482

Ion Ratio Lower Upper

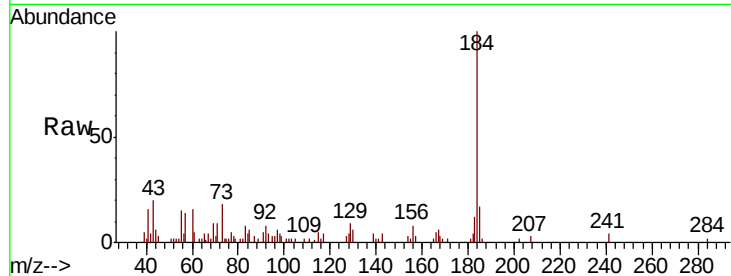
184 100

185 17.5 13.4 20.2

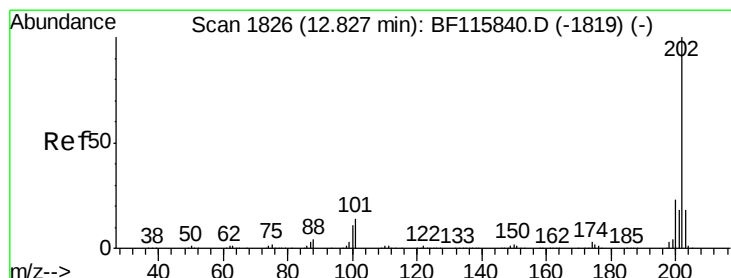
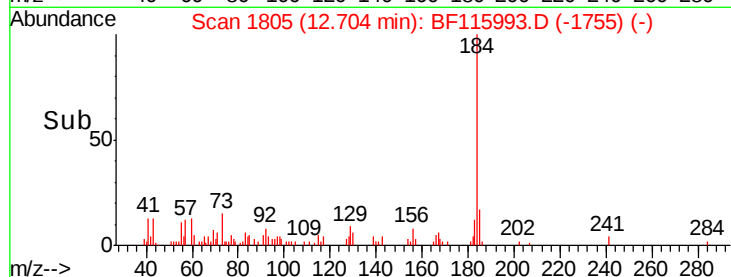
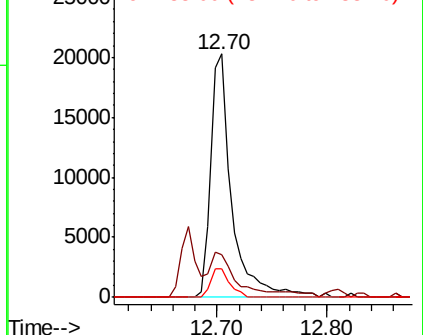
183 11.6 9.1 13.7

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.618 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

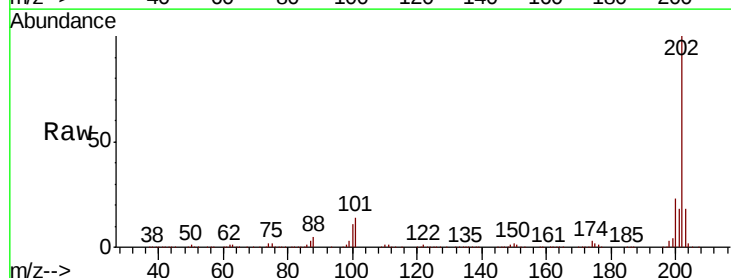
Tgt Ion:202 Resp: 1281006

Ion Ratio Lower Upper

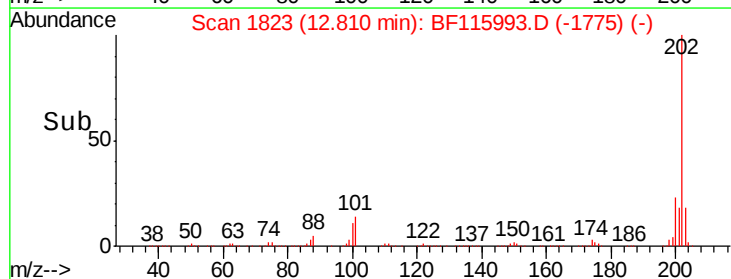
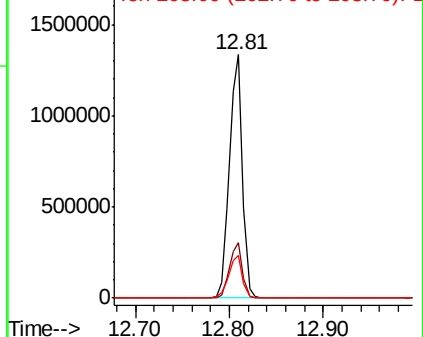
202 100

200 22.6 18.2 27.2

203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





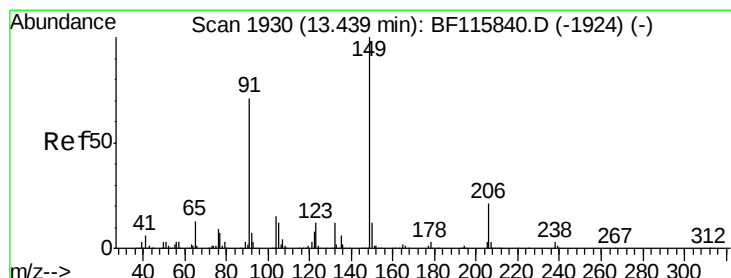
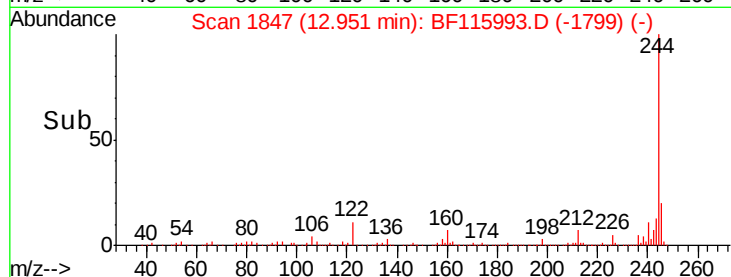
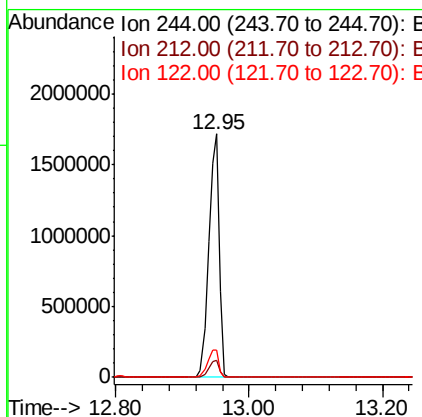
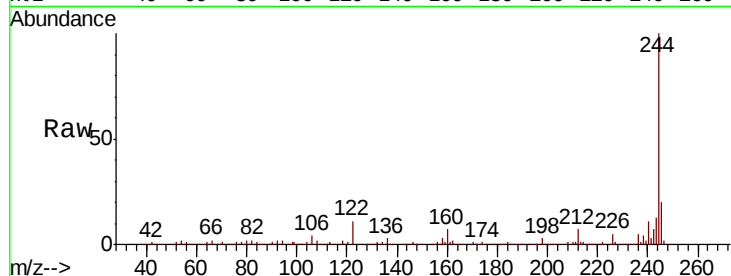
#79
 Terphenyl-d14
 Concen: 104.848 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.2	8.6	13.0

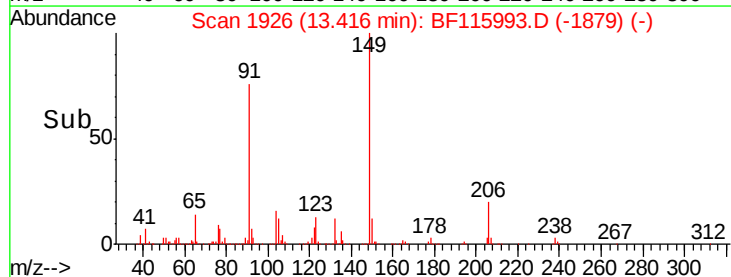
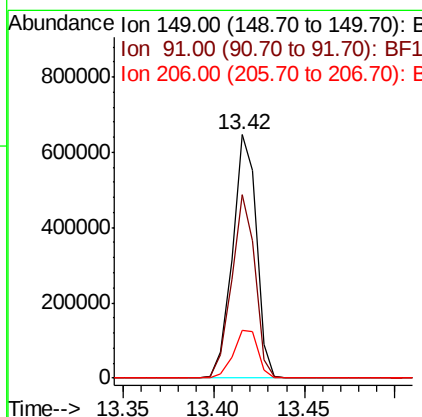
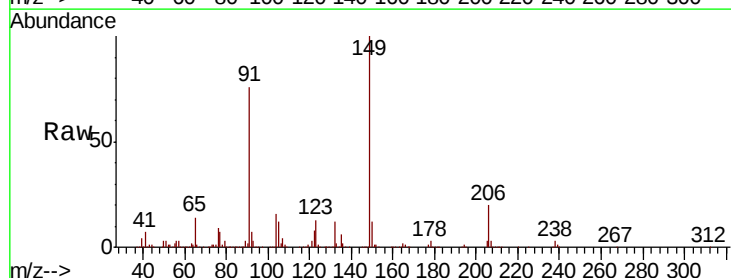
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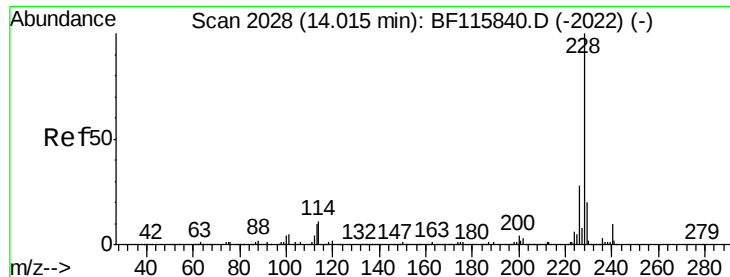
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#80
 Butylbenzylphthalate
 Concen: 50.132 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.6	57.0	85.6
206	19.7	16.9	25.3





#81

Benzo(a)anthracene

Concen: 44.378 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

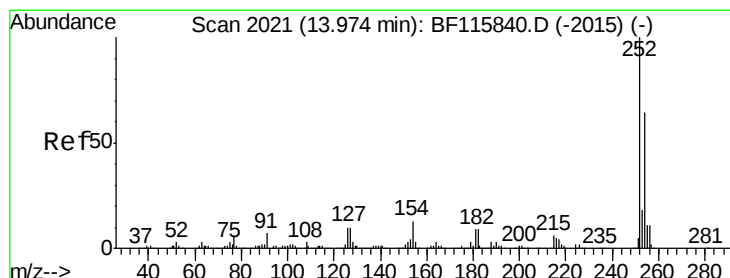
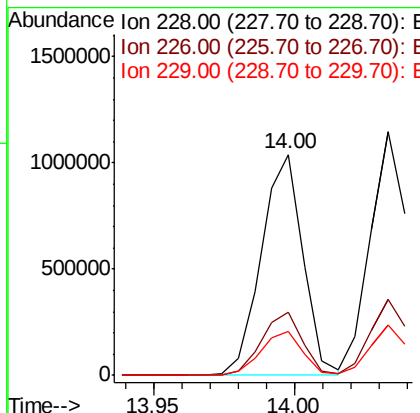
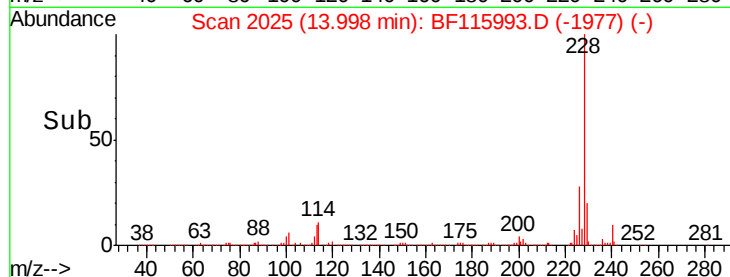
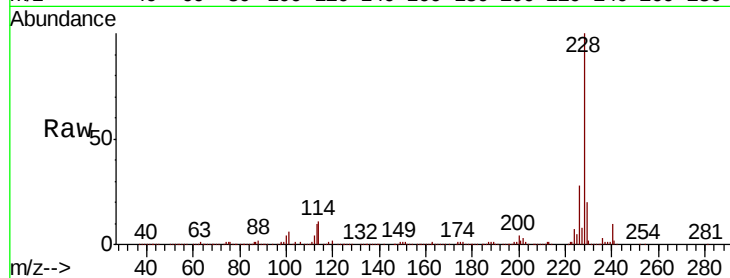
ClientSampleId :

PL-02-080119MSD

Tot Ion:	228	Resp:	1056653
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.0	16.1	24.1

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#82

3,3'-Dichlorobenzidine

Concen: 15.094 ng

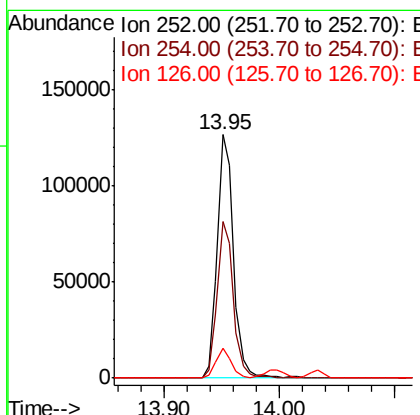
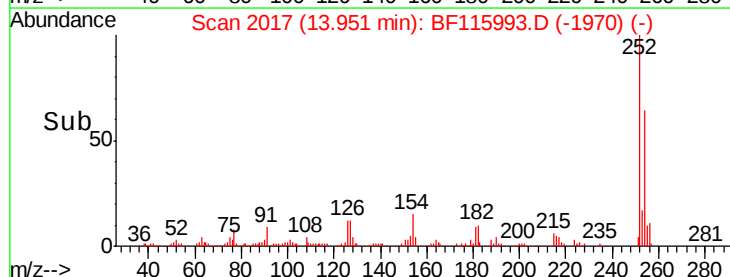
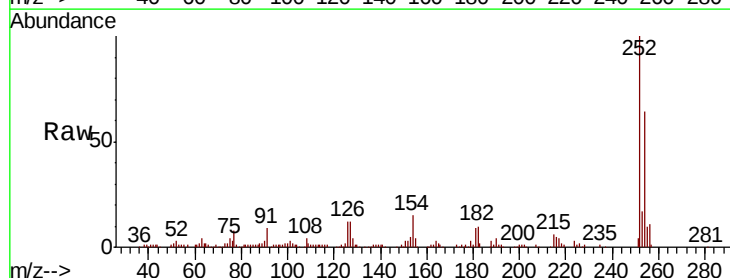
RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	252	Resp:	124861
Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.2	76.8
126	12.5	8.1	12.1#





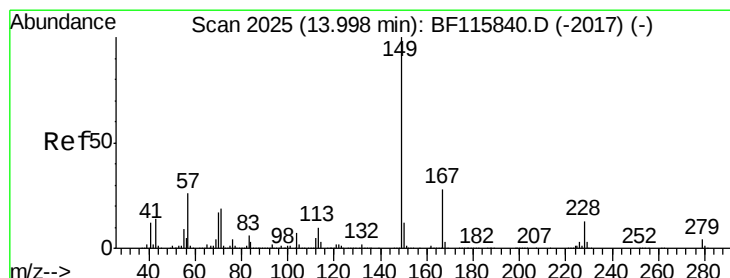
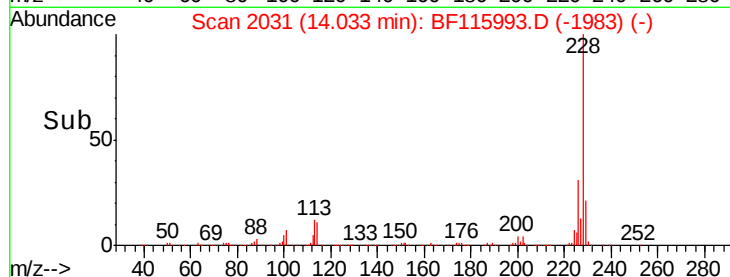
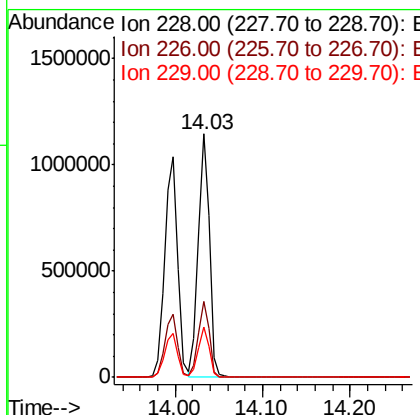
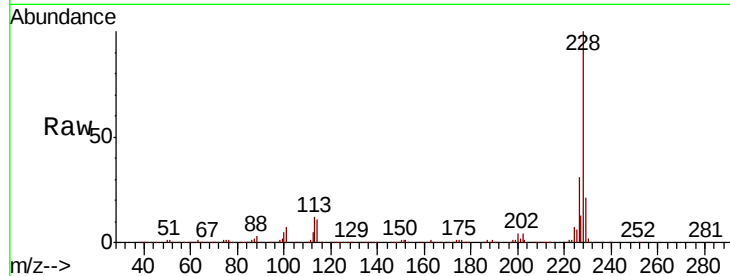
#83
 Chrvsene
 Concen: 44.378 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	20.7	16.4	24.6

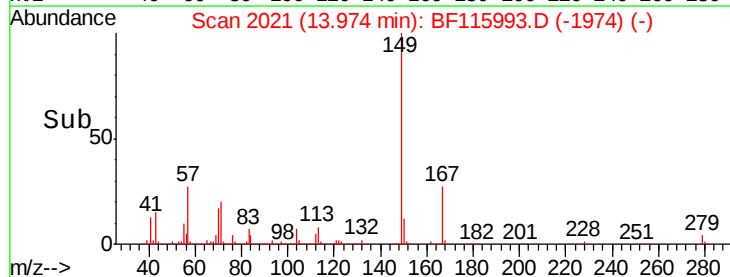
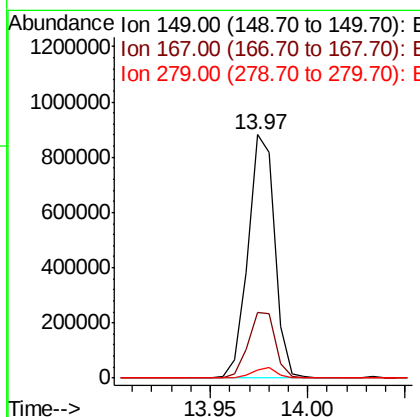
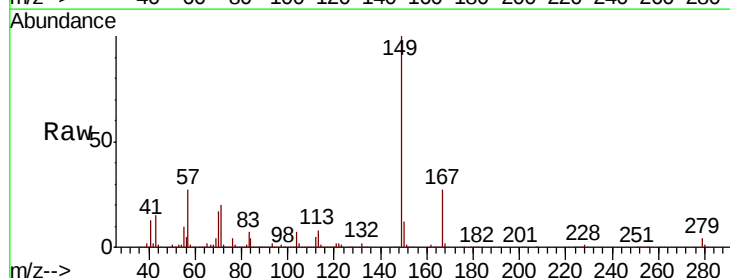
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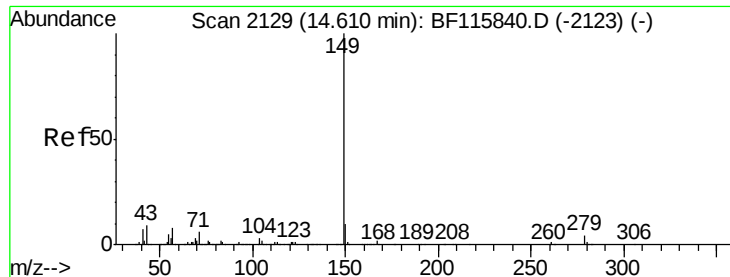
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.227 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF115993.D
 Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.4	33.6
279	3.5	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 52.660 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

ClientSampleId :

PL-02-080119MSD

Tot Ion:149 Resp: 1291106

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

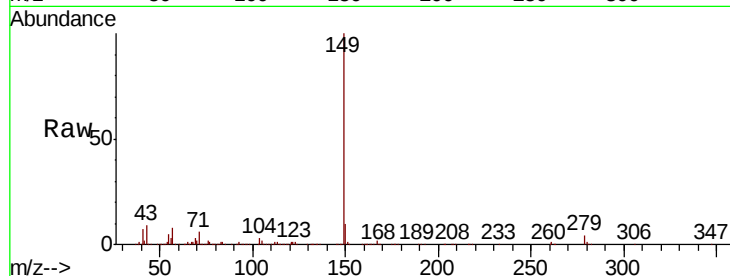
43 9.1 7.4 11.0

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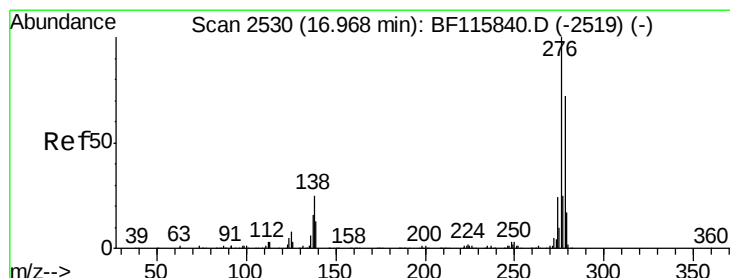
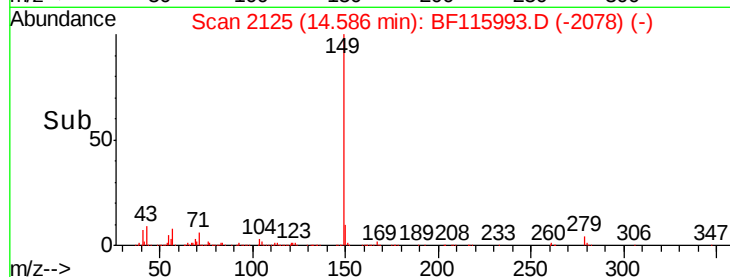
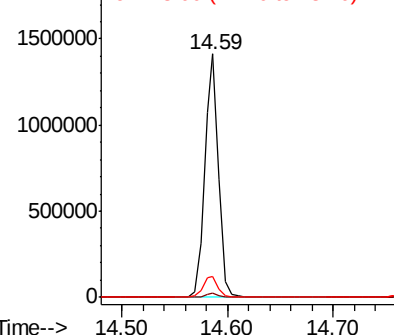
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 49.789 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

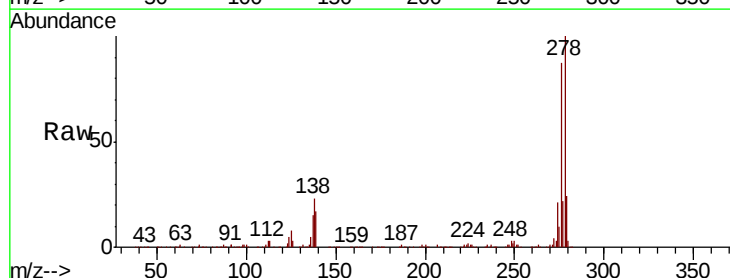
Tgt Ion:276 Resp: 966664

Ion Ratio Lower Upper

276 100

138 25.0 19.6 29.4

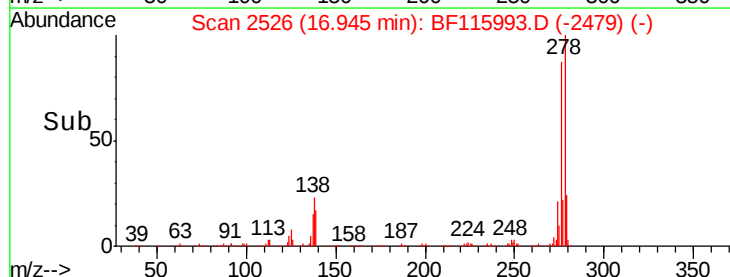
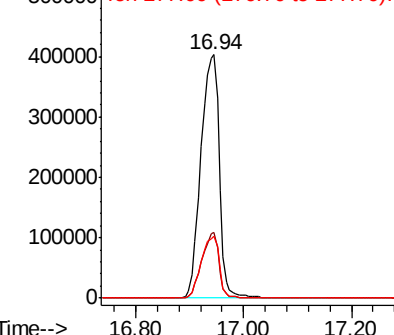
277 25.1 20.1 30.1

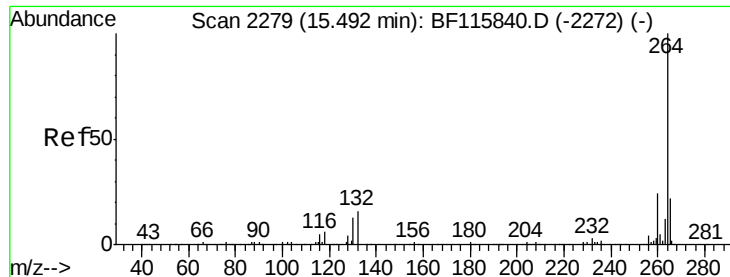


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





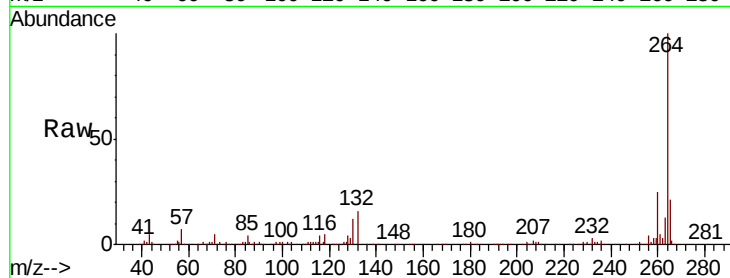
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

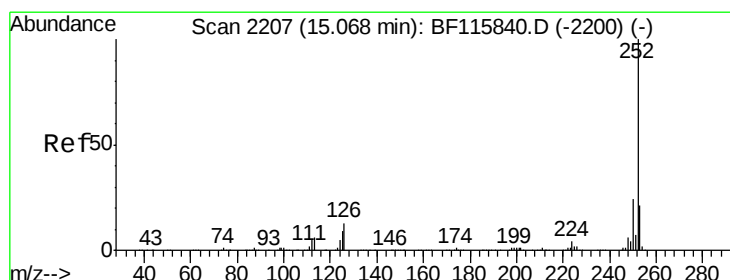
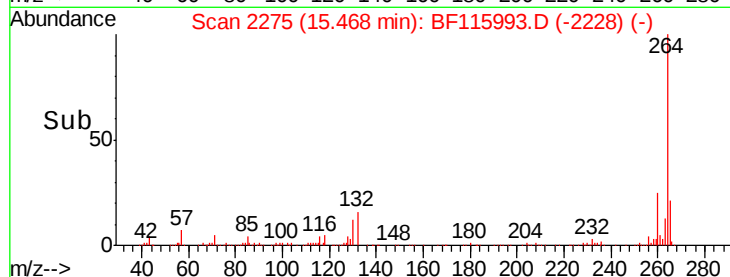
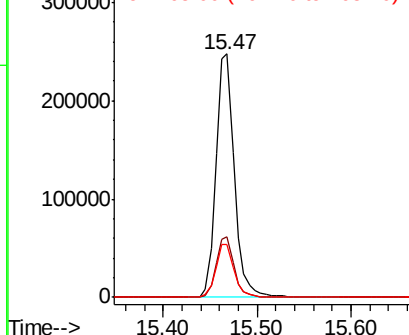
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.5	17.5	26.3

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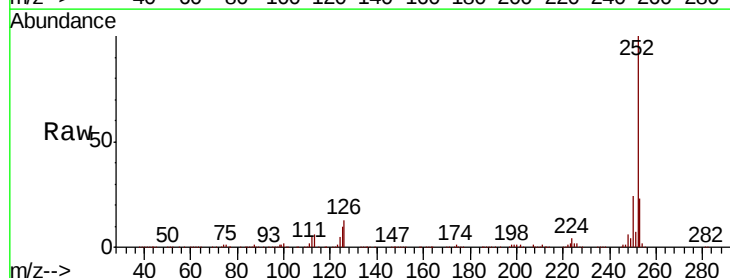


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

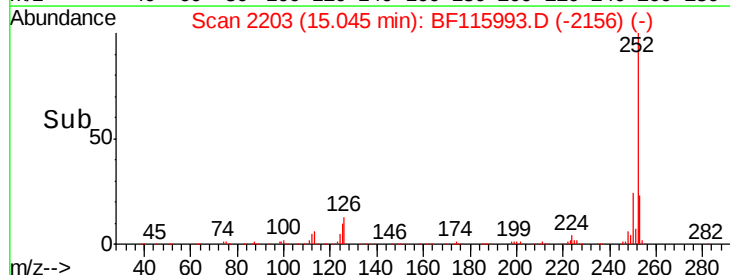
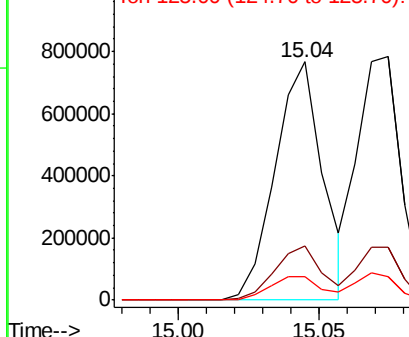


#88
Benzo(b)fluoranthene
Concen: 45.834 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	9.9	7.4	11.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 44.383 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Instrument :

BNA_F

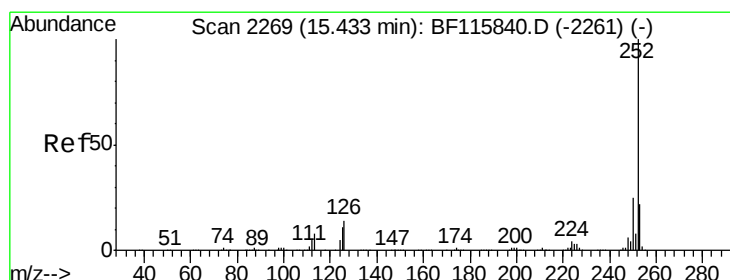
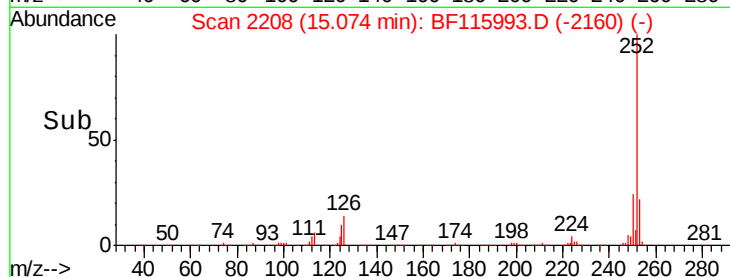
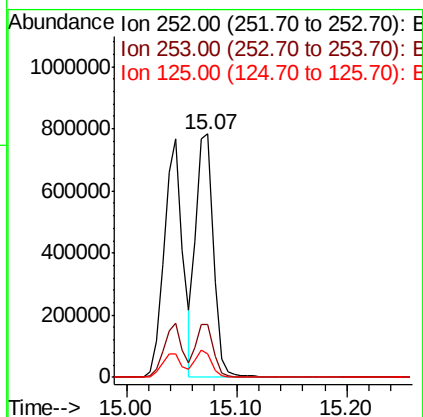
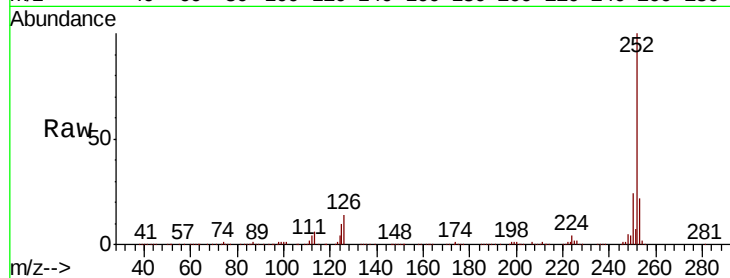
ClientSampleId :

PL-02-080119MSD

Tot Ion:	252	Resp:	848472
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.2	27.4
125	9.6	8.9	13.3

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#90

Benzo(a)pyrene

Concen: 46.401 ng

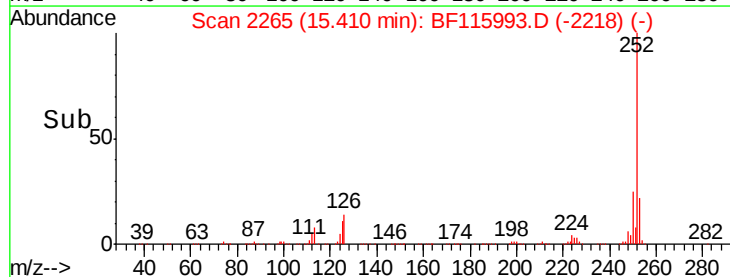
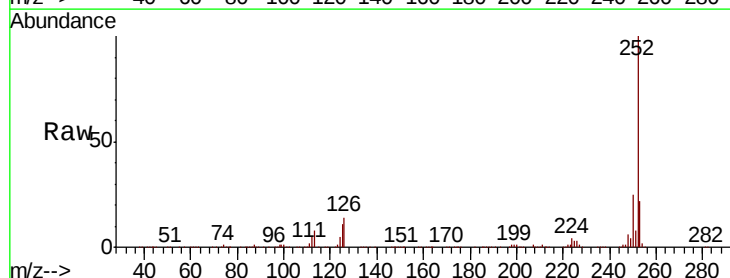
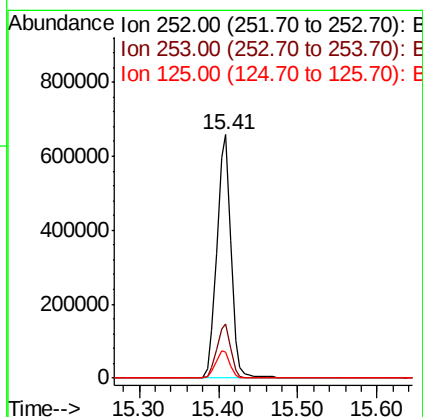
RT: 15.41 min Scan# 2265

Delta R.T. -0.02 min

Lab File: BF115993.D

Acq: 5 Aug 2019 21:21

Tgt Ion:	252	Resp:	814128
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.8	26.6
125	10.7	8.8	13.2





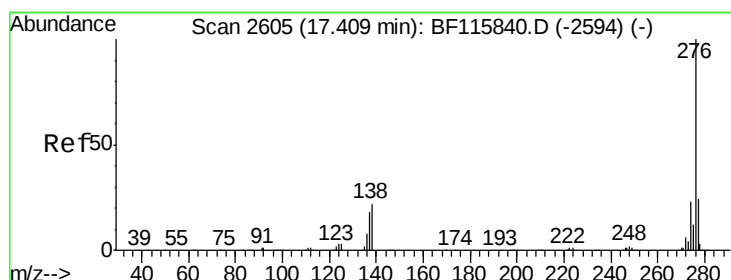
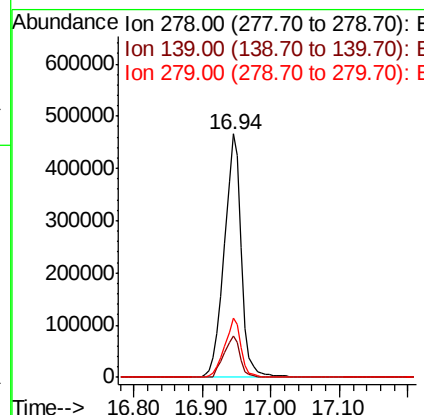
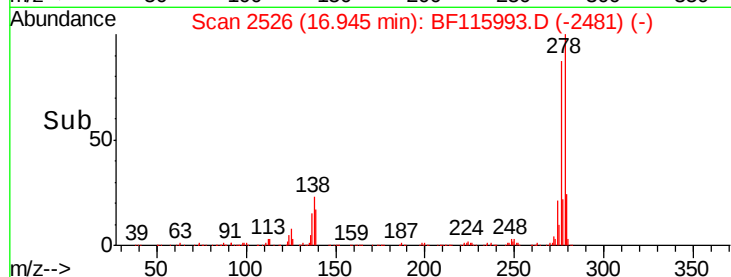
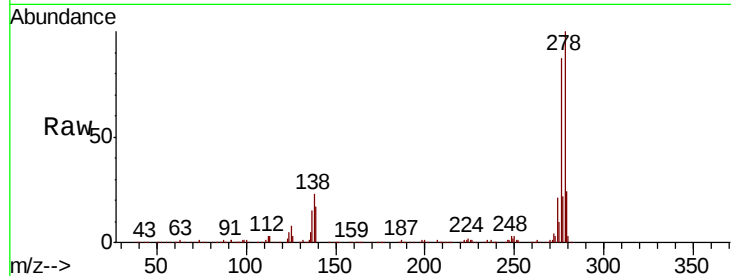
#91
Dibenzo(a,h)anthracene
Concen: 52.952 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.04 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Instrument :
BNA_F
ClientSampleId :
PL-02-080119MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.6	19.0
279	24.3	18.8	28.2

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#92
Benzo(g,h,i)perylene
Concen: 55.120 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.03 min
Lab File: BF115993.D
Acq: 5 Aug 2019 21:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.5	29.3
138	21.7	17.8	26.8

