

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117420.D
 Acq On : 16 Oct 2019 18:13
 Operator : JU
 Sample : K5326-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-101019

Quant Time: Oct 17 01:01:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	43713	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	174096	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	92198	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	158820	20.00	ng	0.00
76) Chrysene-d12	13.96	240	138885	20.00	ng	0.00
87) Perylene-d12	15.42	264	138158	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	376360	132.47	ng	0.00
7) Phenol-d6	6.44	99	488489	129.59	ng	0.00
23) Nitrobenzene-d5	7.36	82	328196	95.56	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	115961	154.54	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	584073	92.36	ng	0.00
79) Terphenyl-d14	12.90	244	681628	80.01	ng	0.00

Target Compounds

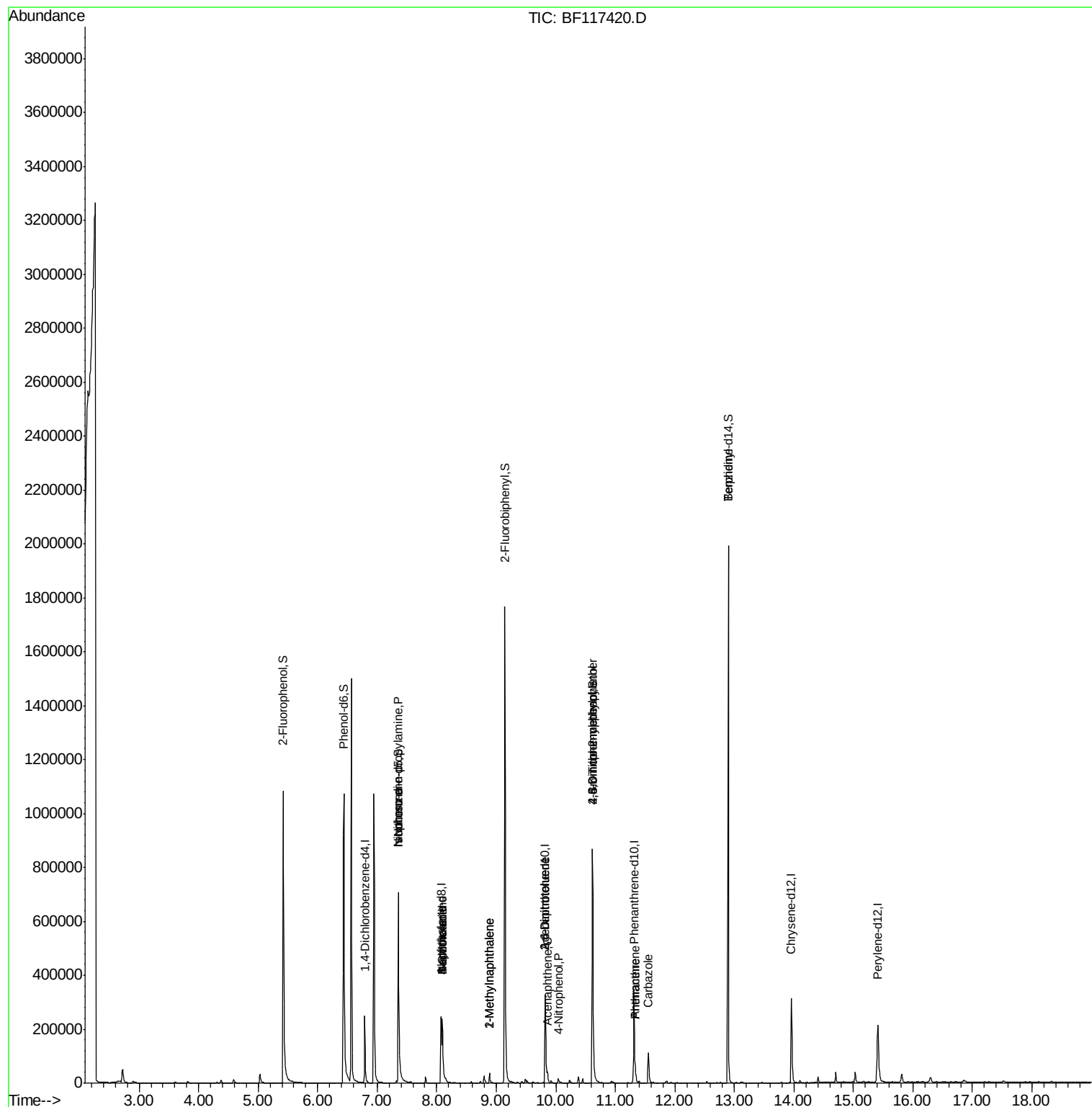
						Qvalue
9) Benzaldehyde	6.44	77	373	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	41103	17.102	ng	# 79
25) Isophorone	7.36	82	328194	53.643	ng	# 67
31) Naphthalene	8.09	128	138089	15.882	ng	# 99
32) Benzoic acid	8.09	122	118	7.329	ng	# 1
33) 4-Chloroaniline	8.09	127	17379	4.707	ng	# 36
37) 2-Methylnaphthalene	8.89	142	14724	2.508	ng	# 95
38) 1-Methylnaphthalene	8.89	142	14724	2.662	ng	# 97
51) 2,6-Dinitrotoluene	9.82	165	11638	8.362	ng	# 21
52) Acenaphthene	9.86	154	10614	2.029	ng	# 95
56) 4-Nitrophenol	10.05	139	4136	10.244	ng	# 9
57) 2,4-Dinitrotoluene	9.82	165	11638	6.337	ng	# 12
65) 4,6-Dinitro-2-methylphenol	10.62	198	114	5.312	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	7411	4.254	ng	# 1
71) Phenanthrene	11.34	178	23227	2.474	ng	# 94
72) Anthracene	11.34	178	23227	2.397	ng	# 93
73) Carbazole	11.55	167	75737	8.603	ng	# 99
77) Benzidine	12.90	184	9287	2.704	ng	# 92

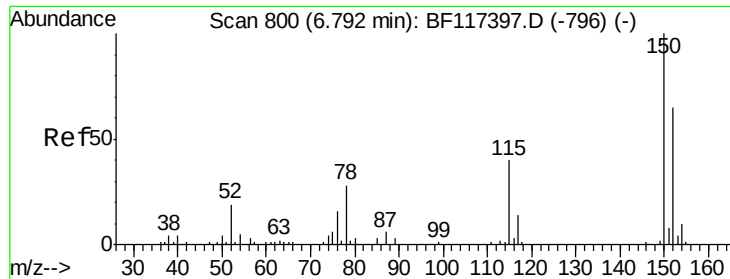
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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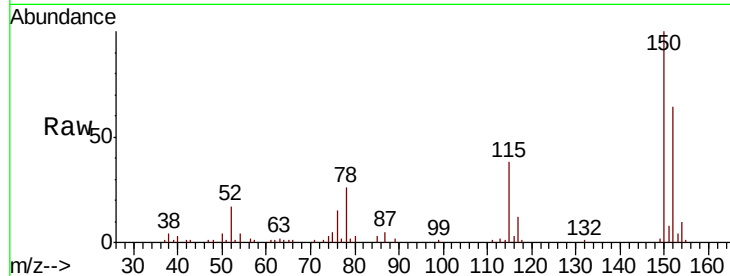


#1

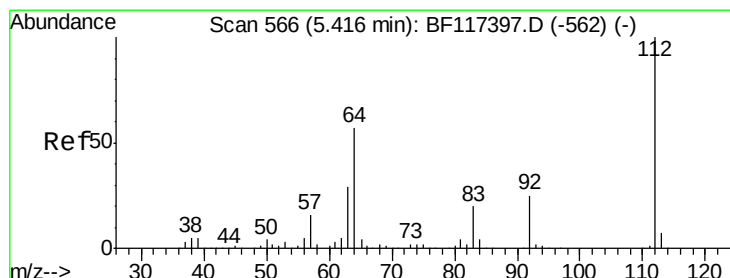
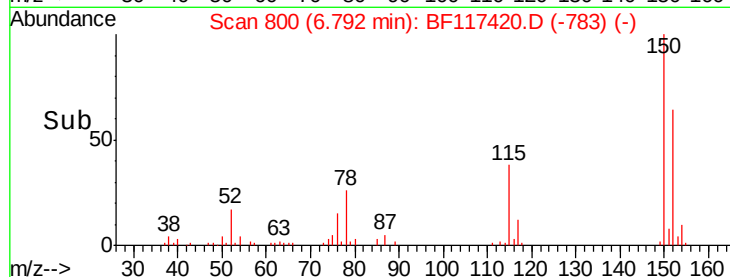
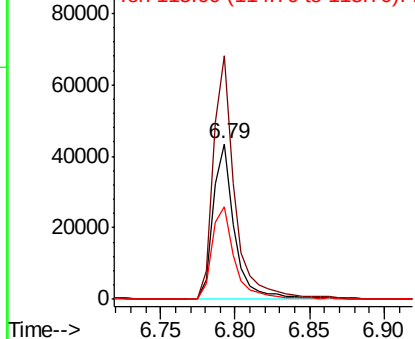
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Instrument :
BNA_F
ClientSampleId :
IDW-SO-101019

Tot Ion:152 Resp: 43713
Ion Ratio Lower Upper
152 100
150 156.4 122.7 184.1
115 59.7 48.6 73.0



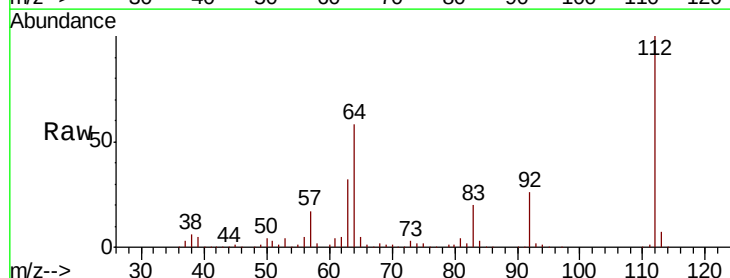
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



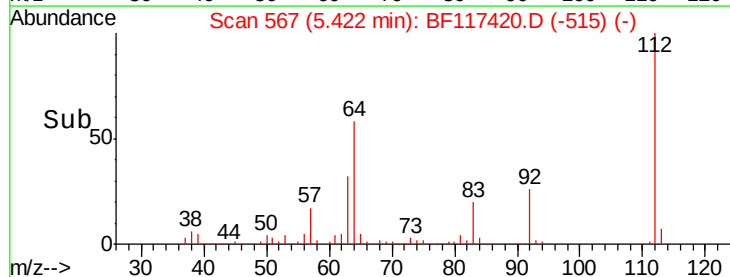
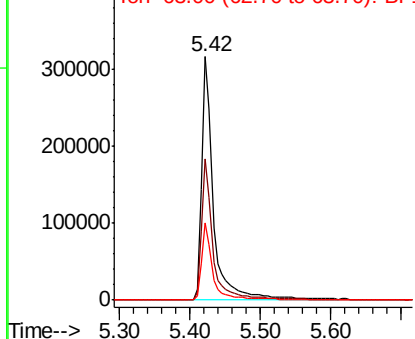
#5

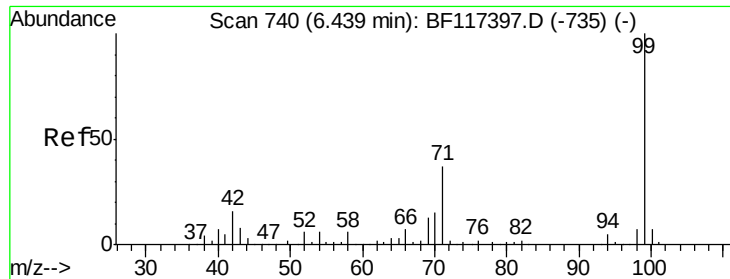
2-Fluorophenol
Concen: 132.473 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Tgt Ion:112 Resp: 376360
Ion Ratio Lower Upper
112 100
64 57.8 45.2 67.8
63 31.9 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 129.590 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

Instrument :

BNA_F

ClientSampleId :

IDW-SO-101019

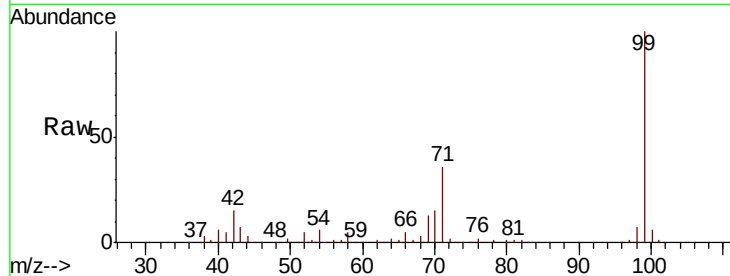
Tot Ion: 99 Resp: 488489

Ion Ratio Lower Upper

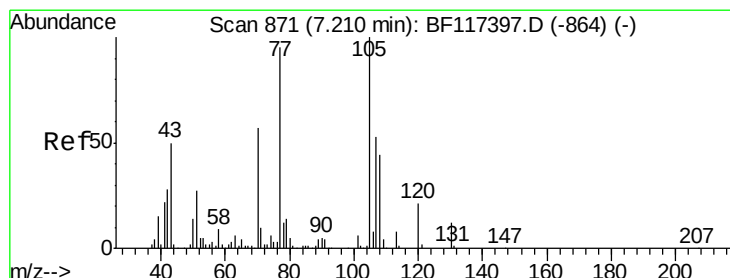
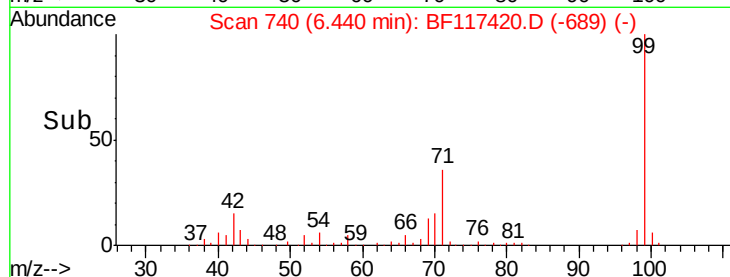
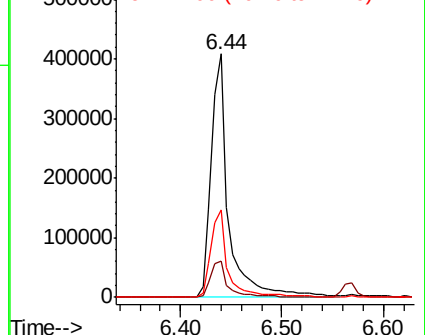
99 100

42 14.8 12.5 18.7

71 35.9 29.2 43.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.102 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

Tgt Ion: 70 Resp: 41103

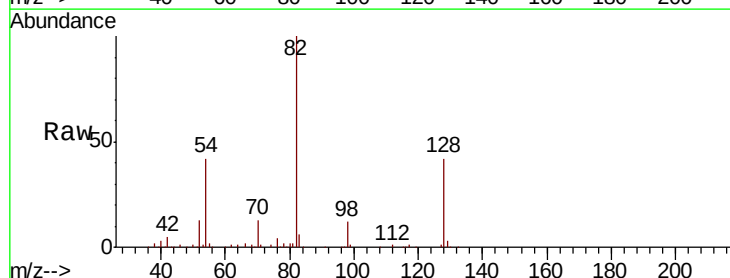
Ion Ratio Lower Upper

70 100

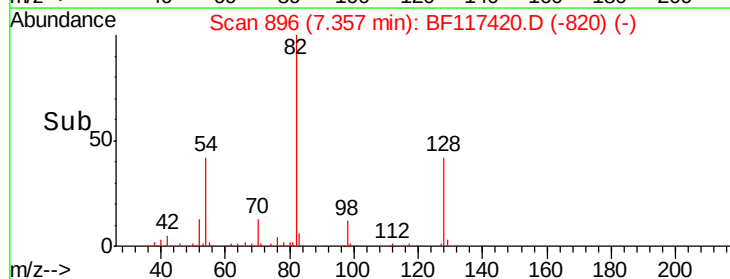
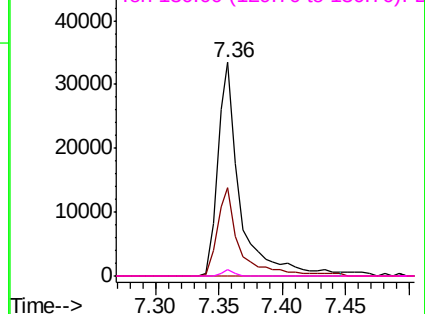
42 41.1 39.8 59.8

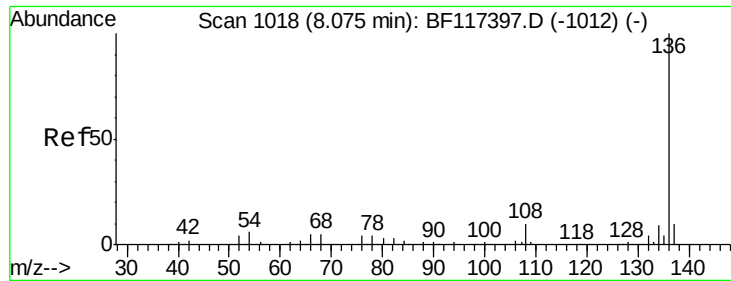
101 0.0 8.1 12.1#

130 2.9 16.4 24.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

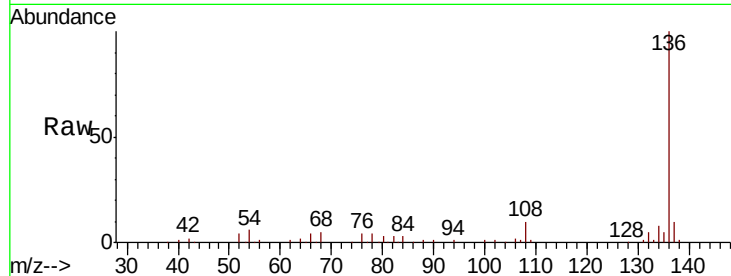




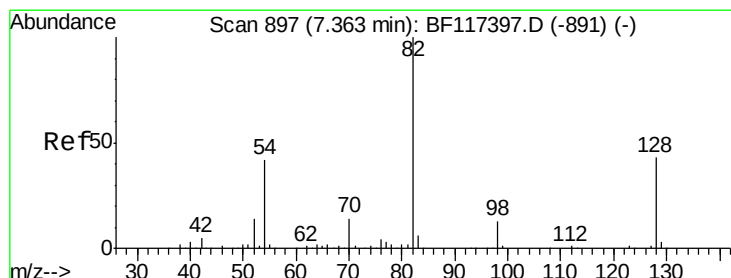
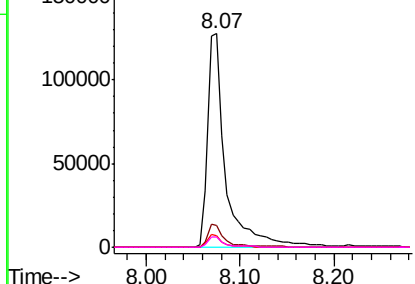
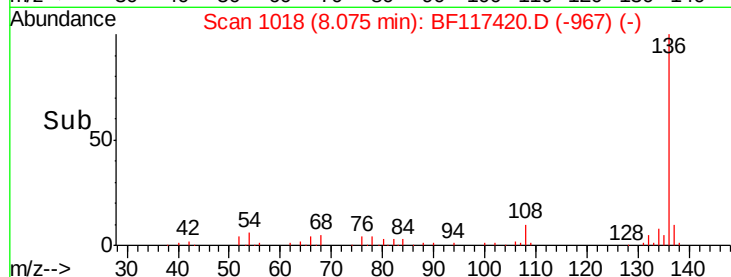
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Instrument :
BNA_F
ClientSampleId :
IDW-SO-101019

Tot Ion:136	Resp:	174096
Ion Ratio	Lower	Upper
136	100	
137	10.0	8.4 12.6
54	5.6	4.6 6.8
68	5.0	3.8 5.8

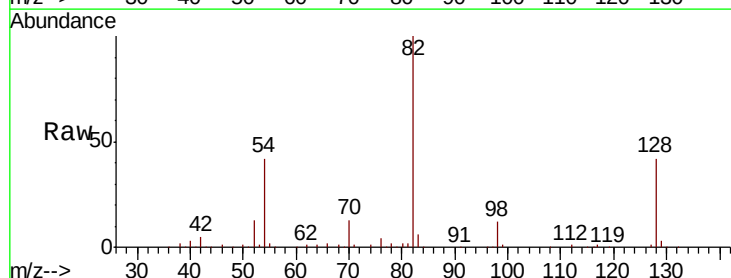


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

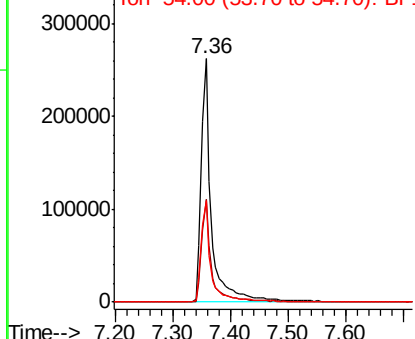
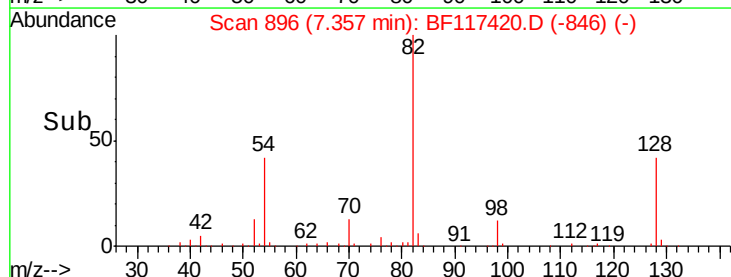


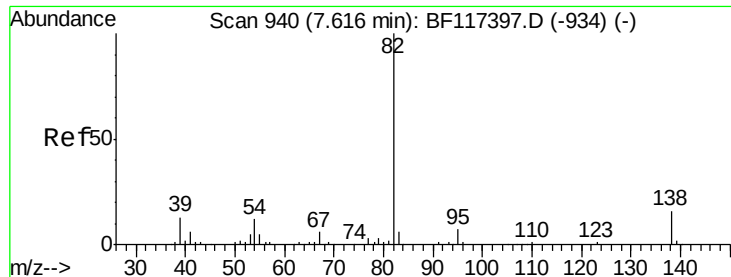
#23
Nitrobenzene-d5
Concen: 95.559 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Tgt Ion: 82	Resp:	328196
Ion Ratio	Lower	Upper
82	100	
128	42.0	34.1 51.1
54	41.8	33.3 49.9



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





#25

Isophorone

Concen: 53.643 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

Instrument :

BNA_F

ClientSampleId :

IDW-SO-101019

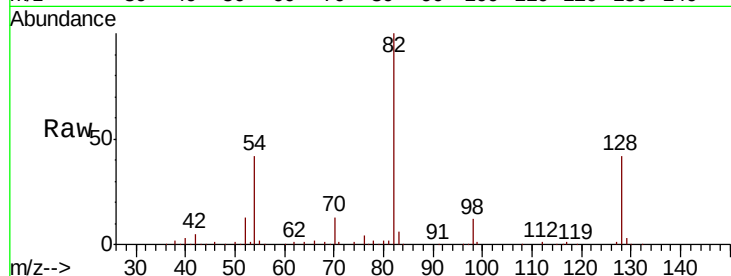
Tot Ion: 82 Resp: 328194

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

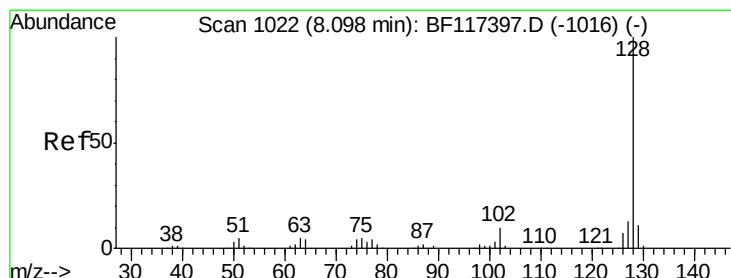
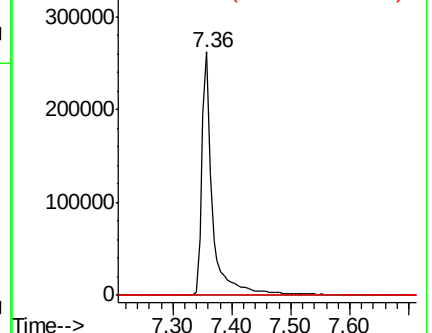
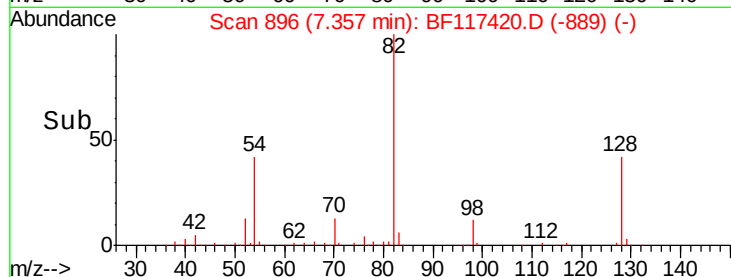
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 15.882 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

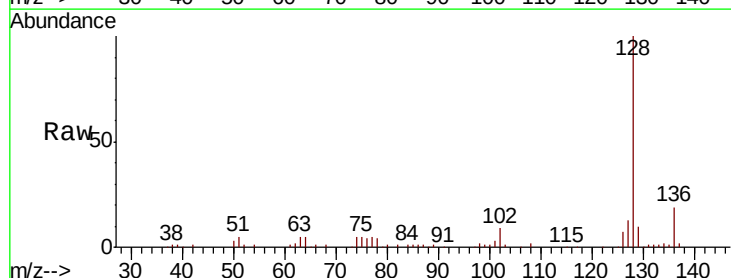
Tgt Ion: 128 Resp: 138089

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

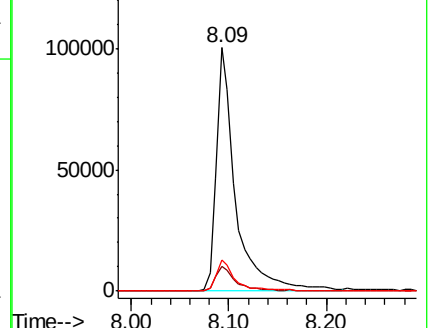
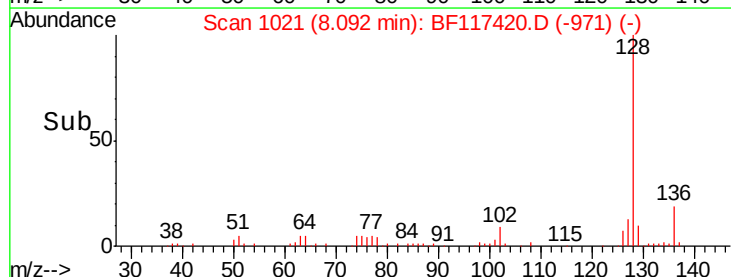
127 12.7 10.4 15.6

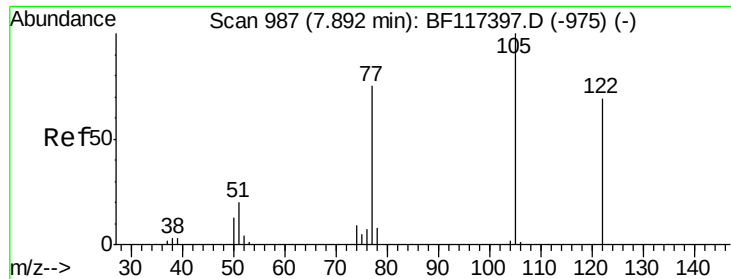


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

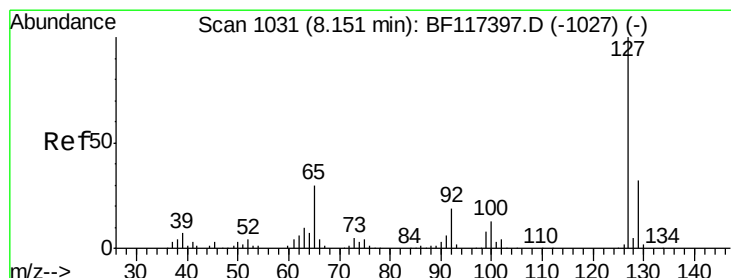
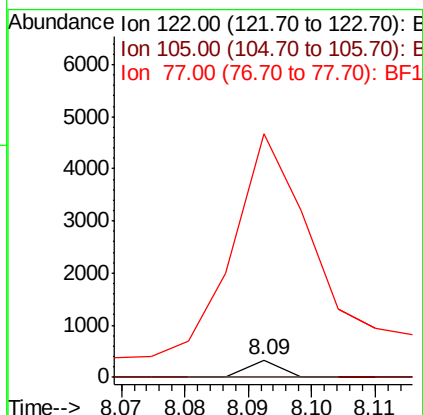
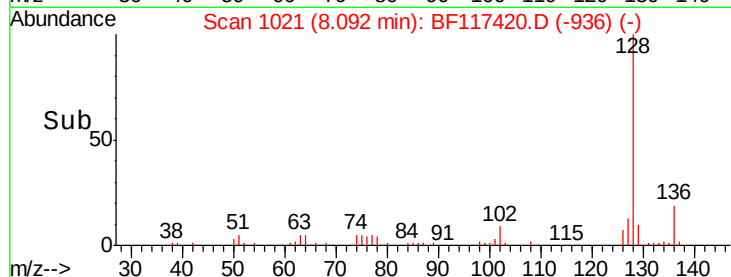
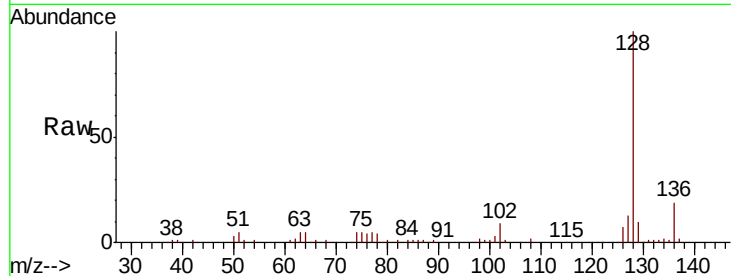




#32
Benzoic acid
Concen: 7.329 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.20 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

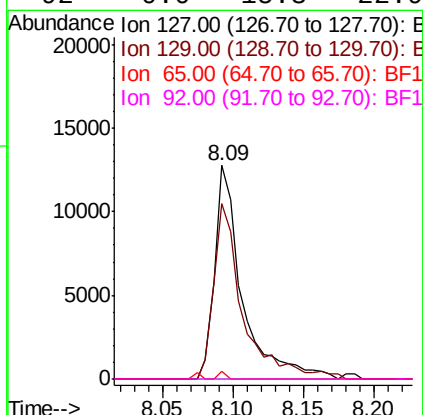
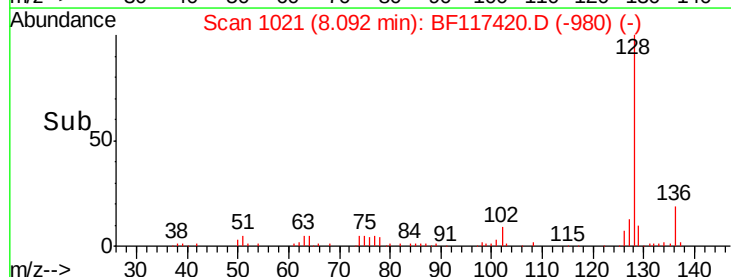
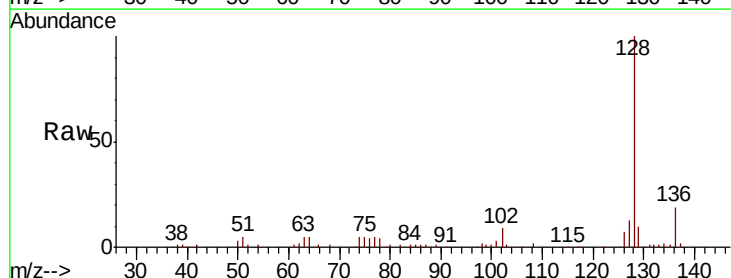
Instrument :
BNA_F
ClientSampleId :
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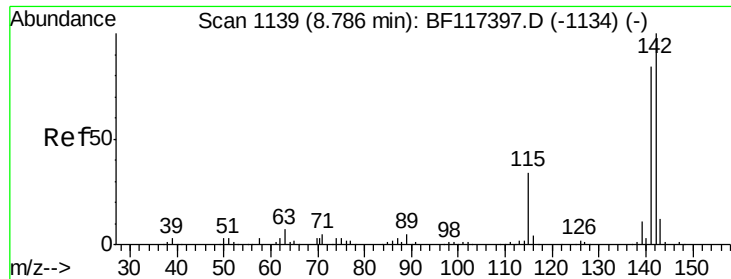
Tot Ion:122 Resp: 118
Ion Ratio Lower Upper
122 100
105 0.0 121.5 161.5#
77 1398.5 88.3 128.3#



#33
4-Chloroaniline
Concen: 4.707 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Tgt Ion:127 Resp: 17379
Ion Ratio Lower Upper
127 100
129 82.0 25.4 38.0#
65 3.5 23.8 35.8#
92 0.0 15.3 22.9#

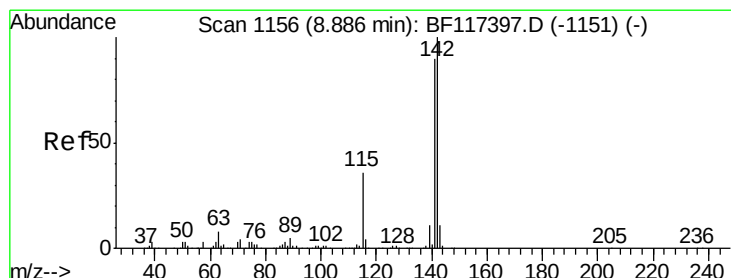
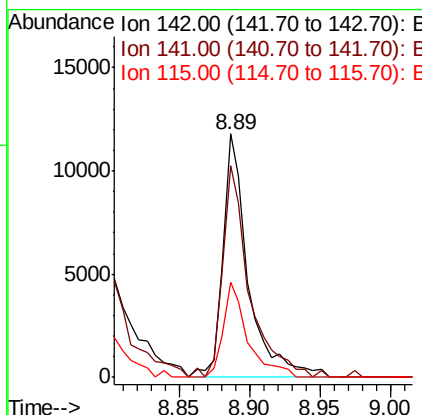
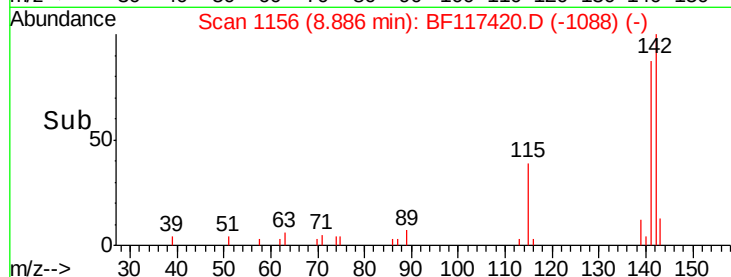
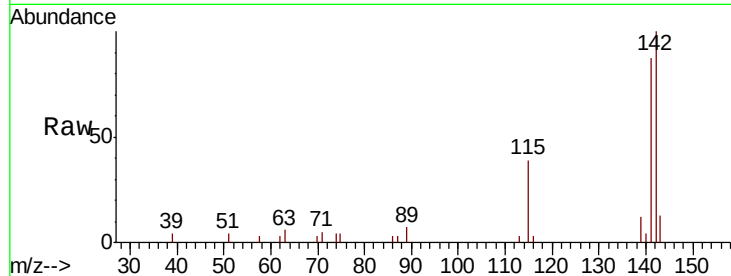




#37
2-Methylnaphthalene
Concen: 2.508 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.10 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

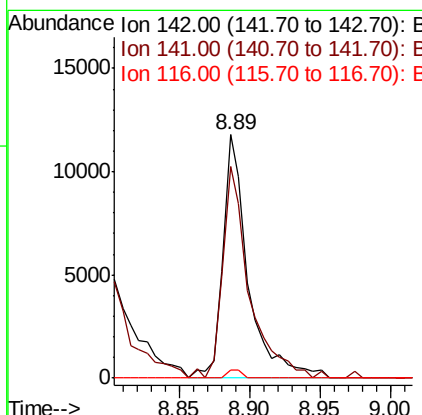
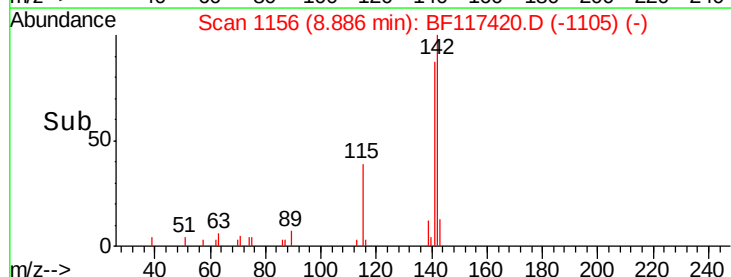
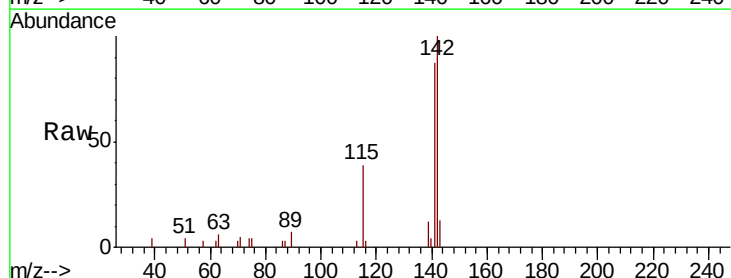
Instrument :
BNA_F
ClientSampleId :
IDW-SO-101019

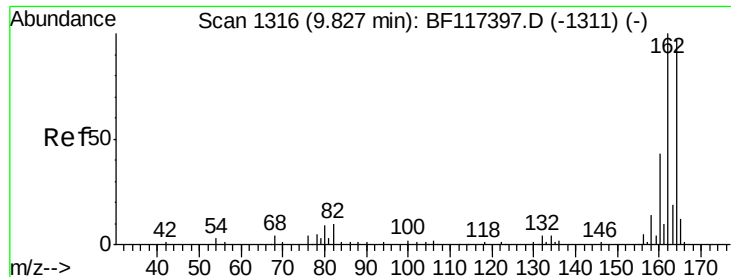
Tot Ion:142 Resp: 14724
Ion Ratio Lower Upper
142 100
141 87.0 67.2 100.8
115 38.8 26.9 40.3



#38
1-Methylnaphthalene
Concen: 2.662 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Tgt Ion:142 Resp: 14724
Ion Ratio Lower Upper
142 100
141 87.0 71.8 107.8
116 3.3 2.9 4.3

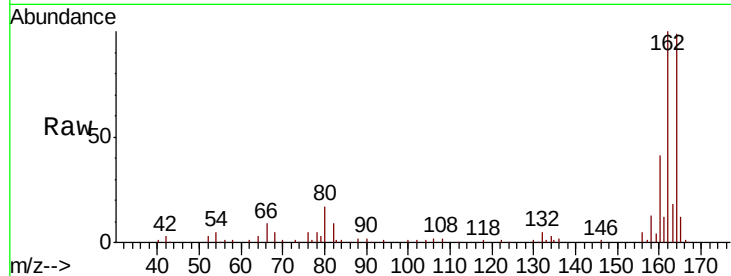




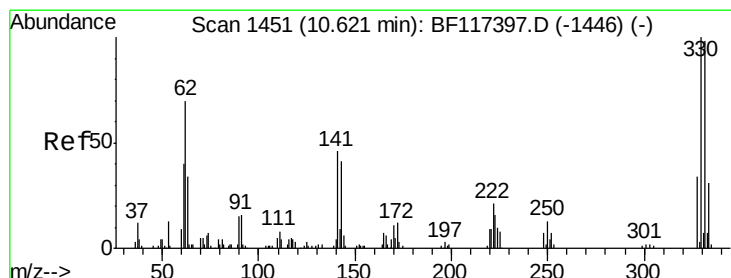
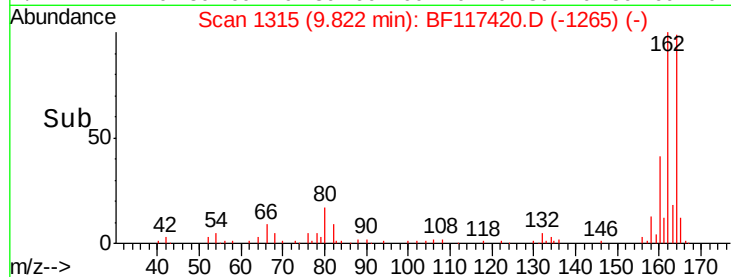
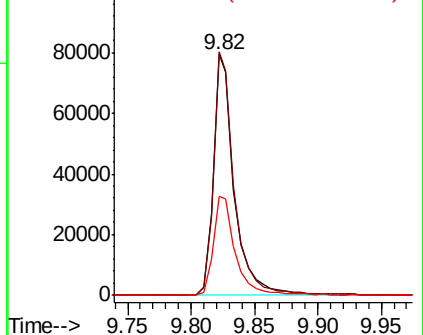
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Instrument :
BNA_F
ClientSampleId :
IDW-SO-101019

Tot Ion:164 Resp: 92198
Ion Ratio Lower Upper
164 100
162 101.1 82.4 123.6
160 41.1 35.4 53.0

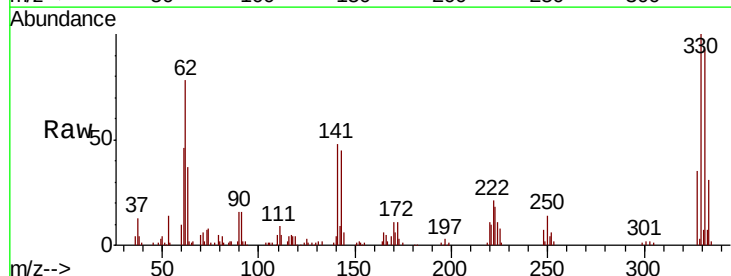


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

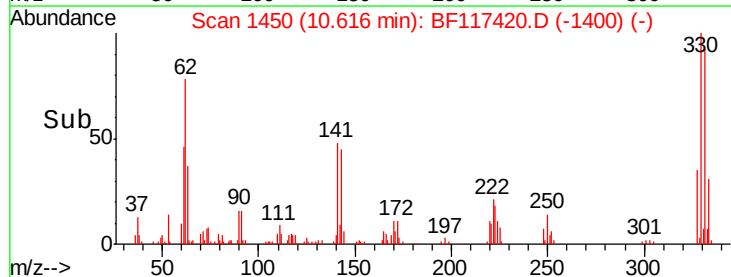
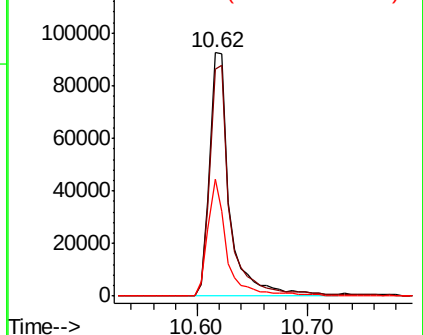


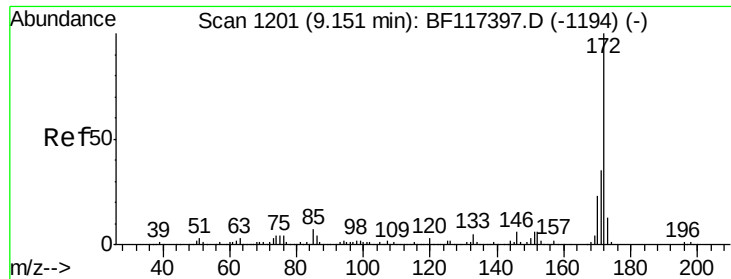
#42
2,4,6-Tribromophenol
Concen: 154.539 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Tgt Ion:330 Resp: 115961
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.6
141 45.3 34.2 51.4



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

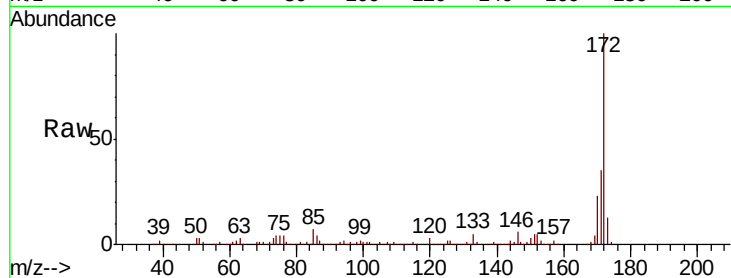




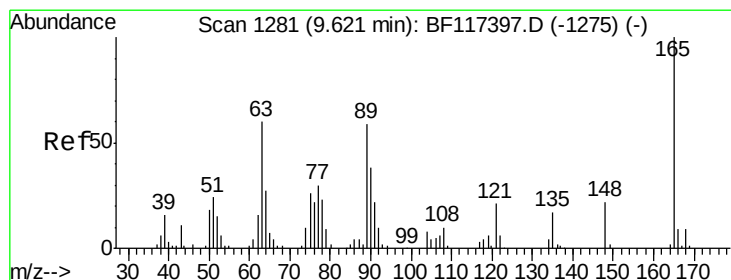
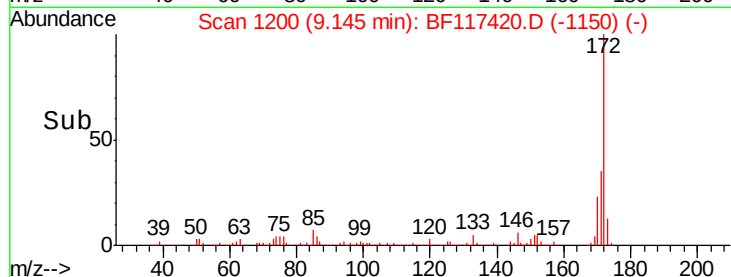
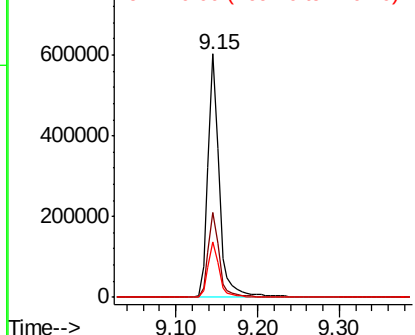
#45
 2-Fluorobiphenyl
 Concen: 92.356 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-101019

Tot Ion:172 Resp: 584073
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.2 42.2
 170 23.0 18.2 27.2

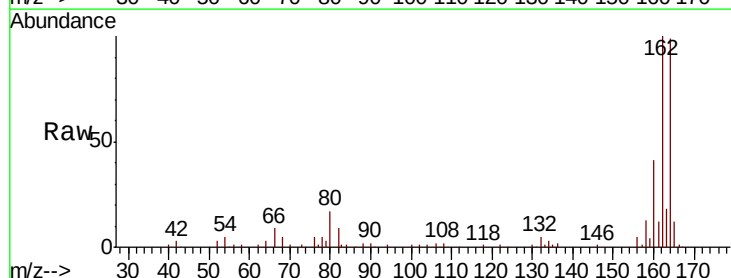


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

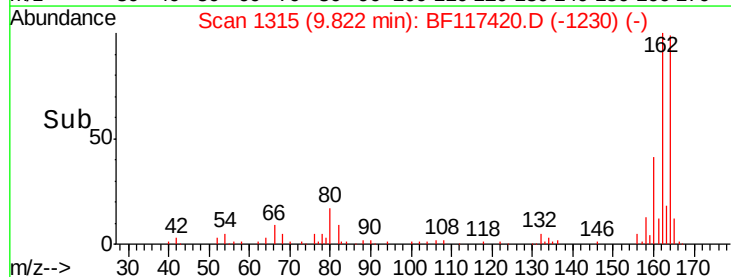
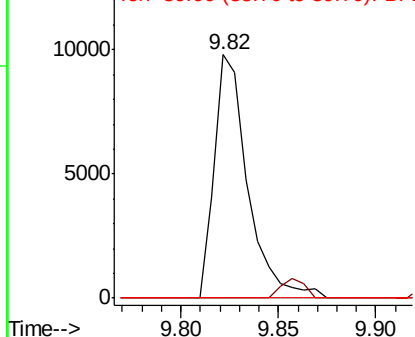


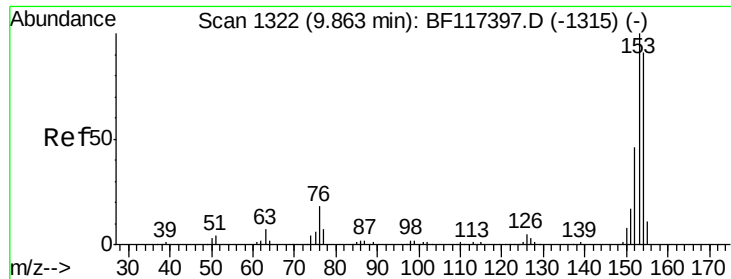
#51
 2,6-Dinitrotoluene
 Concen: 8.362 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.20 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

Tgt Ion:165 Resp: 11638
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.8 71.6#
 89 0.0 47.4 71.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 2.029 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

Instrument :

BNA_F

ClientSampleId :

IDW-SO-101019

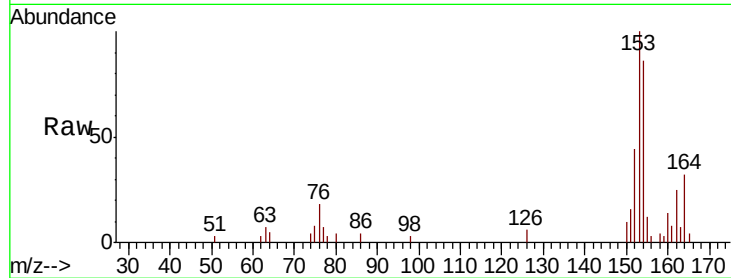
Tot Ion:154 Resp: 10614

Ion Ratio Lower Upper

154 100

153 116.9 87.9 131.9

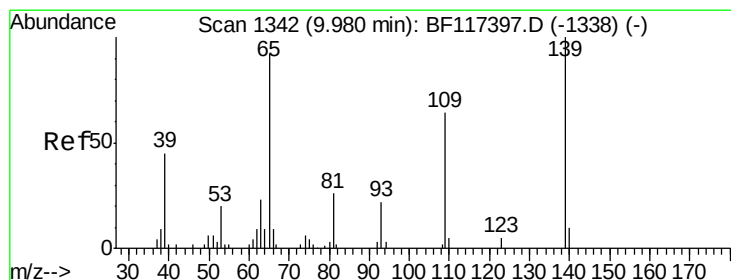
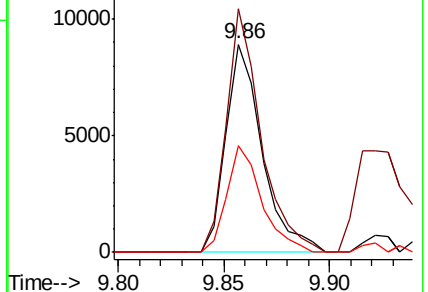
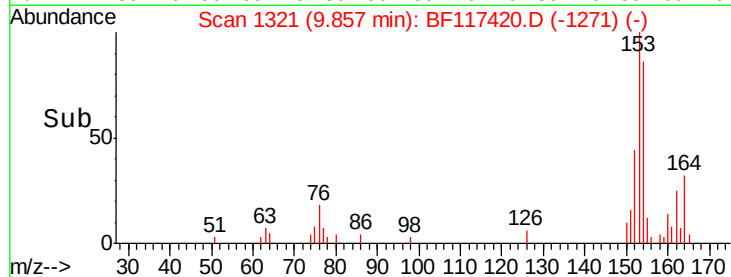
152 51.0 40.8 61.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 10.244 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.07 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

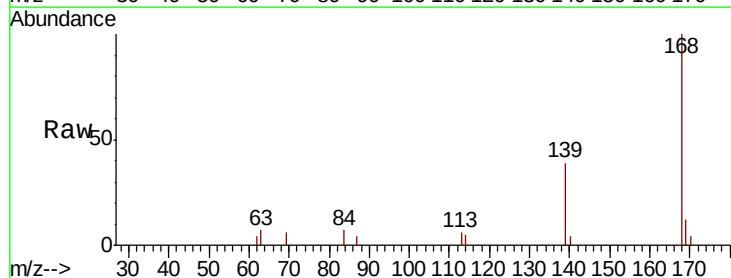
Tgt Ion:139 Resp: 4136

Ion Ratio Lower Upper

139 100

109 0.0 43.8 83.8#

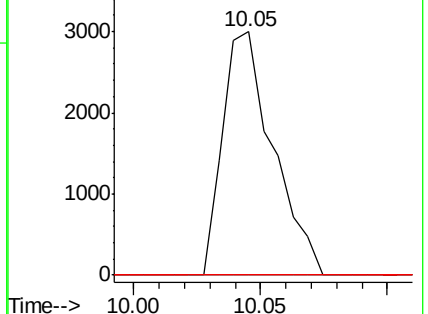
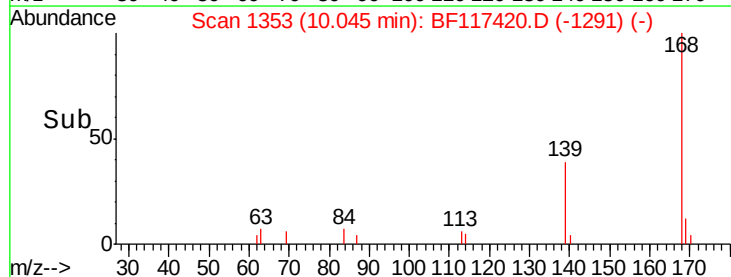
65 0.0 73.9 113.9#

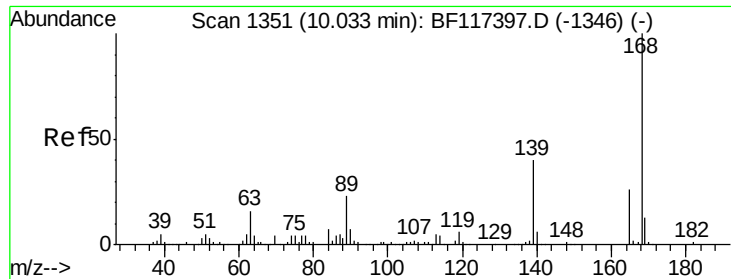


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

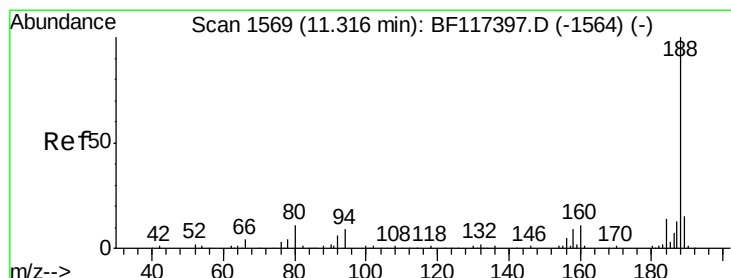
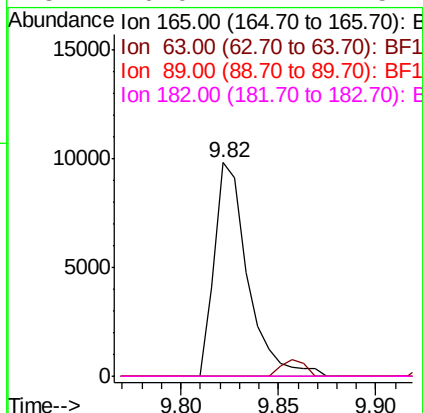
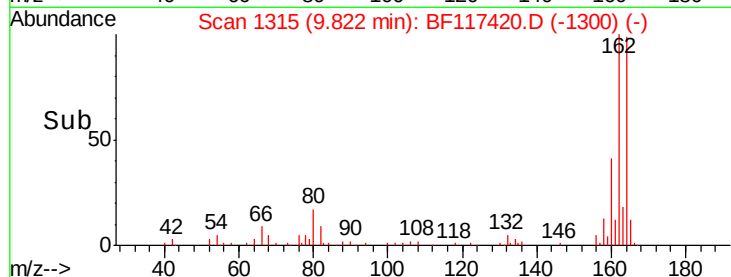
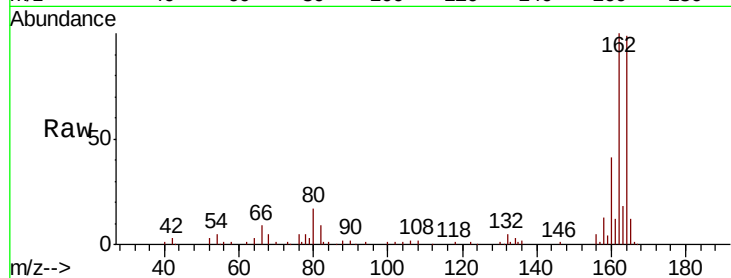




#57
 2,4-Dinitrotoluene
 Concen: 6.337 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

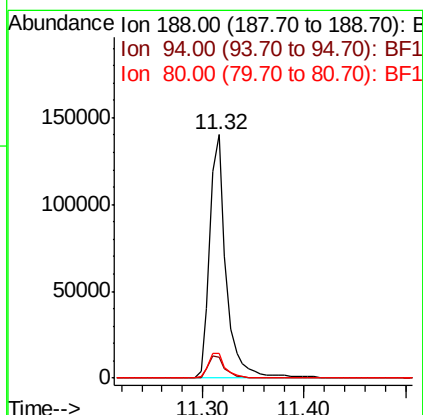
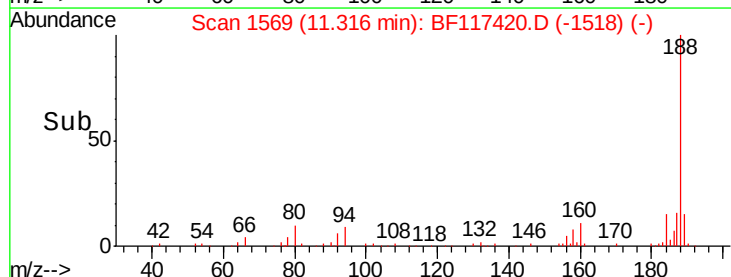
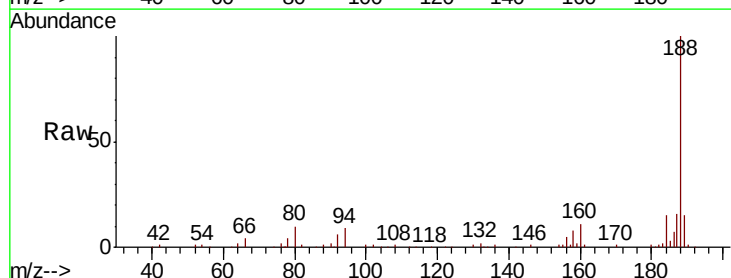
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-101019

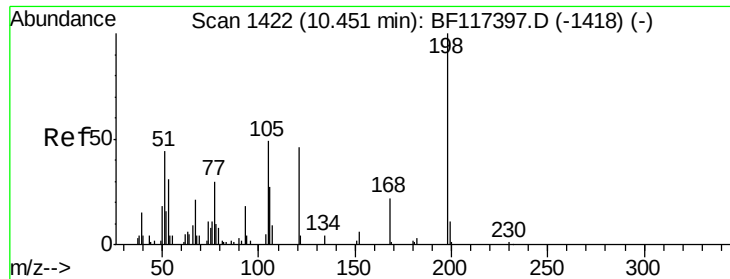
Tot Ion:165 Resp: 11638
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.0 76.4#
 89 0.0 70.7 106.1#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

Tgt Ion:188 Resp: 158820
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.5 11.3
 80 10.3 8.7 13.1





#65

4,6-Dinitro-2-methylphenol

Concen: 5.312 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.17 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

Instrument :

BNA_F

ClientSampleId :

IDW-SO-101019

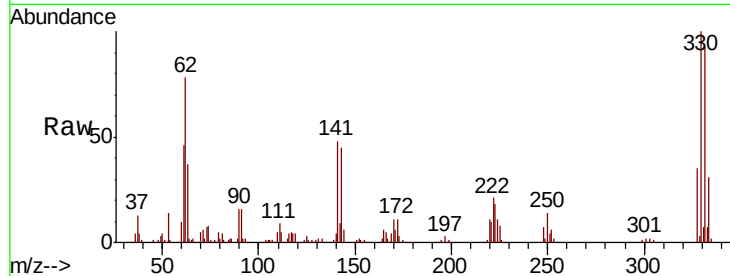
Tot Ion:198 Resp: 114

Ion Ratio Lower Upper

198 100

51 160.8 25.9 65.9#

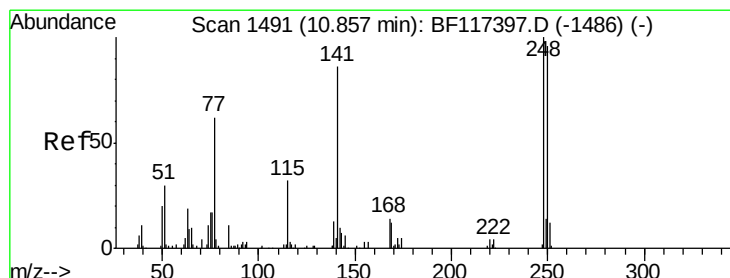
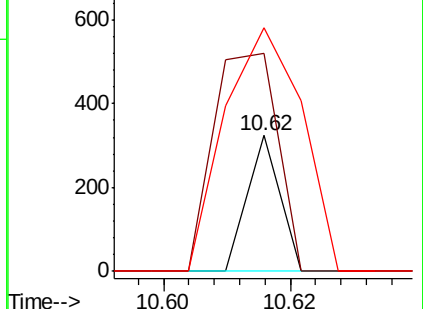
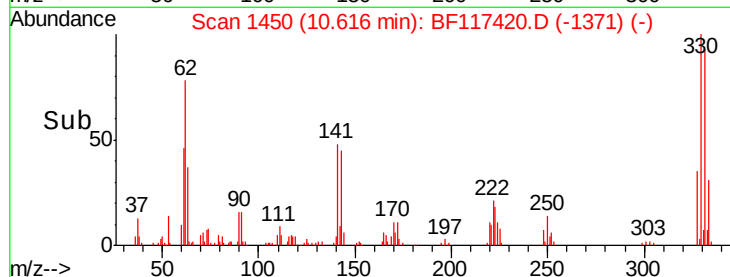
105 179.3 29.4 69.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.254 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.24 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

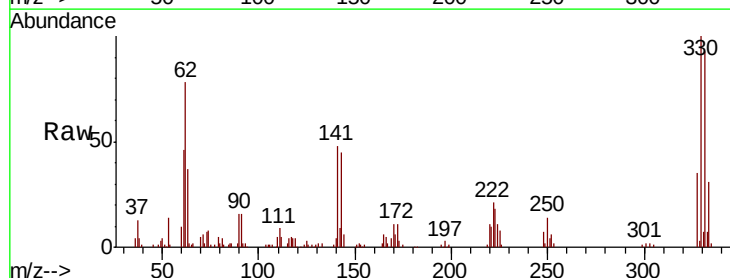
Tgt Ion:248 Resp: 7411

Ion Ratio Lower Upper

248 100

250 204.9 77.1 115.7#

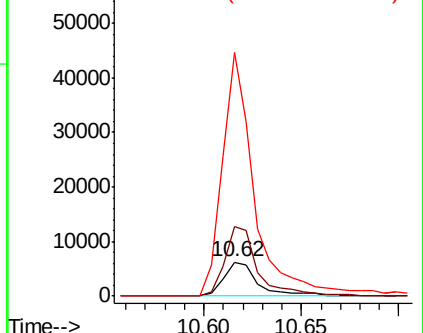
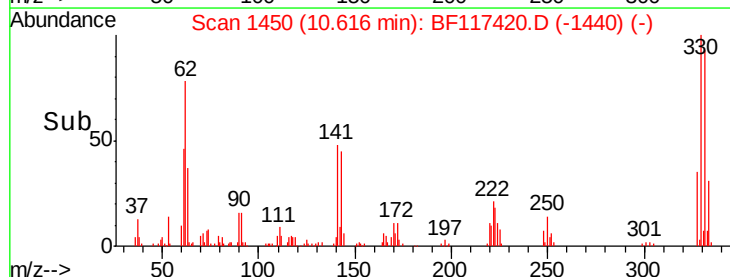
141 715.5 69.1 103.7#

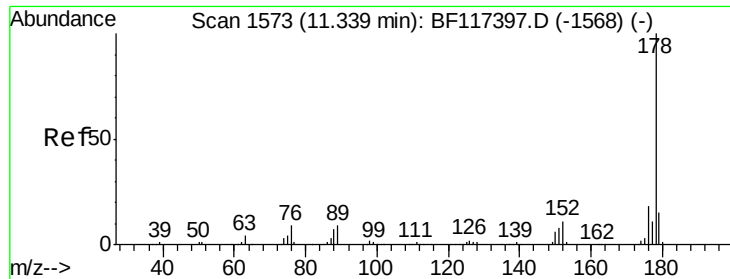


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

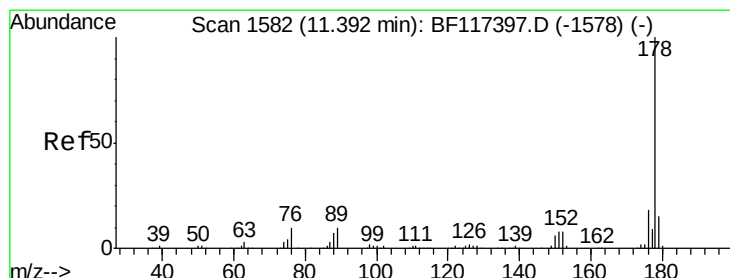
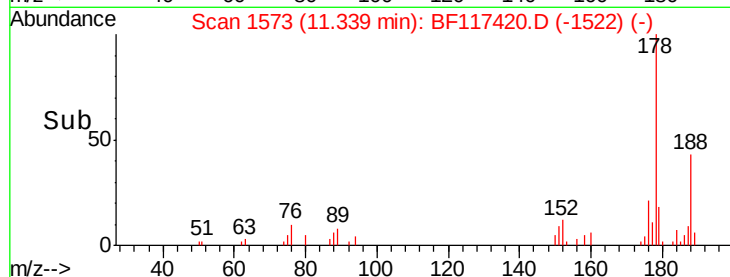
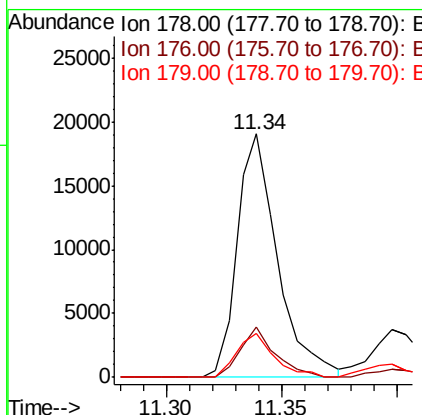
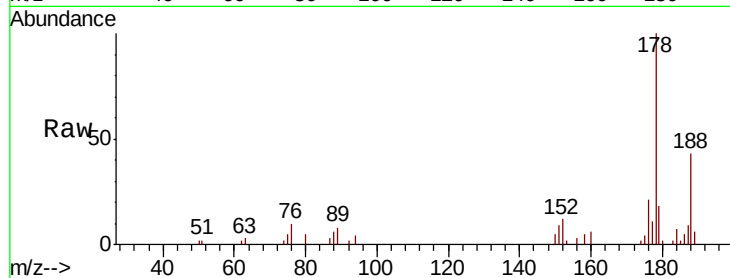




#71
 Phenanthrene
 Concen: 2.474 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

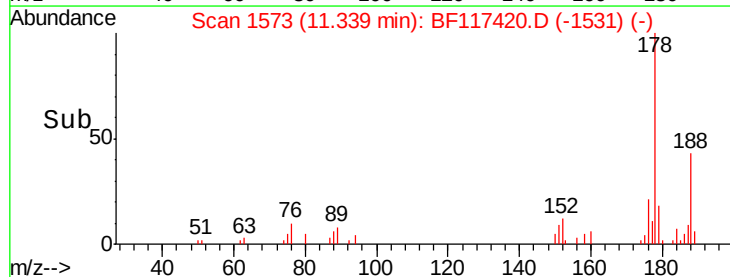
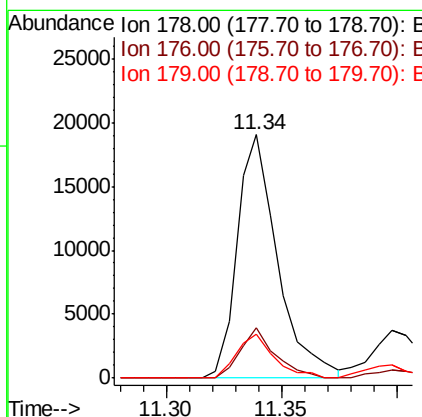
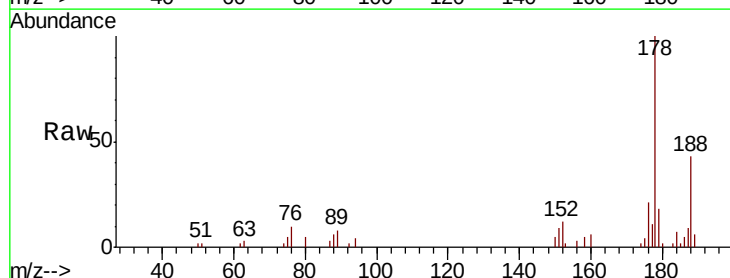
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-101019

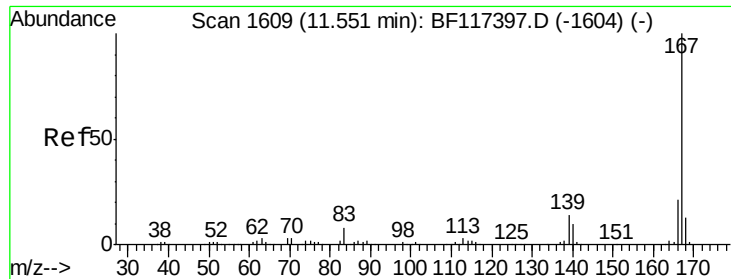
Tot Ion:178 Resp: 23227
 Ion Ratio Lower Upper
 178 100
 176 20.8 14.6 22.0
 179 18.0 12.3 18.5



#72
 Anthracene
 Concen: 2.397 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.05 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

Tgt Ion:178 Resp: 23227
 Ion Ratio Lower Upper
 178 100
 176 20.8 14.4 21.6
 179 18.0 12.1 18.1

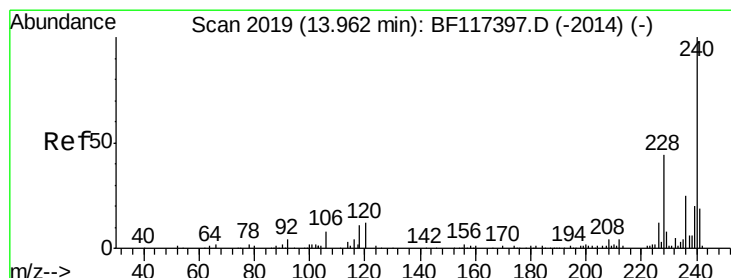
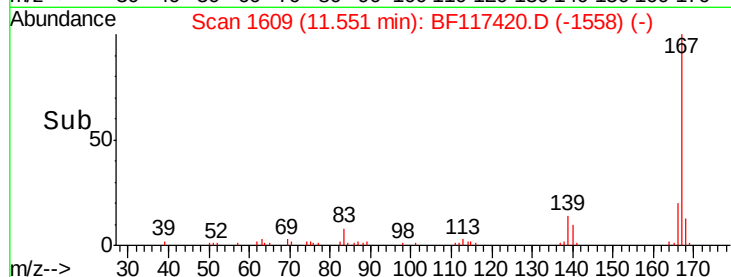
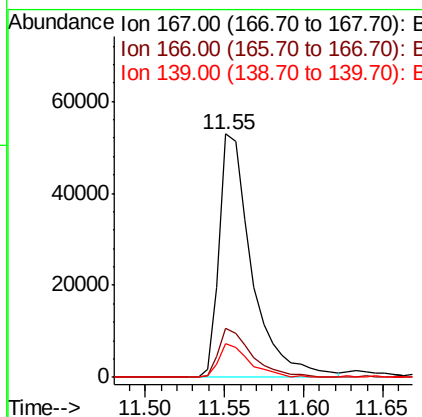
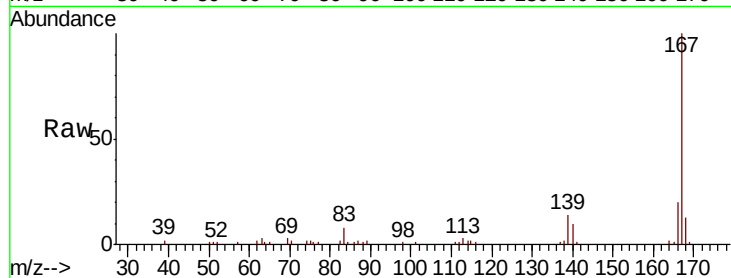




#73
 Carbazole
 Concen: 8.603 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

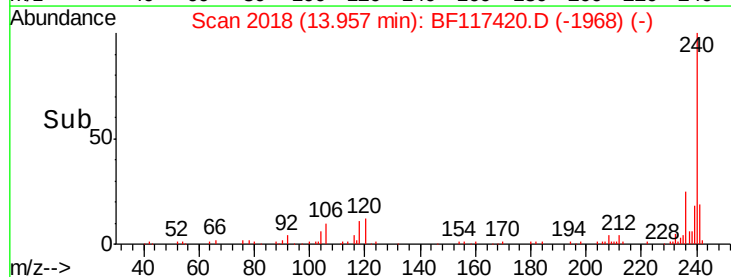
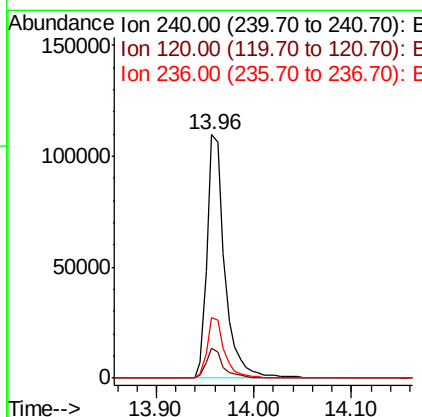
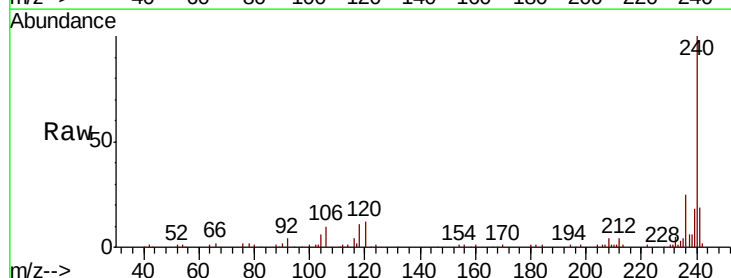
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-101019

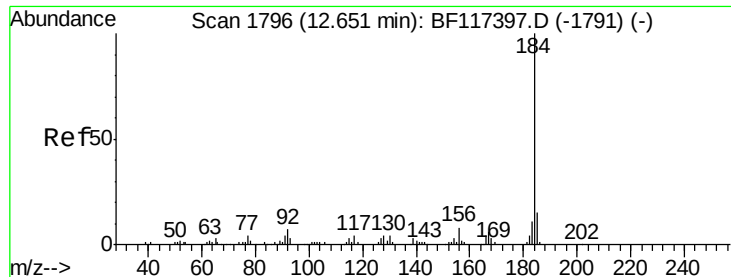
Tot Ion:167 Resp: 75737
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.0 25.4
 139 13.6 10.8 16.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117420.D
 Acq: 16 Oct 2019 18:13

Tgt Ion:240 Resp: 138885
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.4 14.0
 236 24.7 19.8 29.6





#77

Benzidine

Concen: 2.704 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

Instrument :

BNA_F

ClientSampleId :

IDW-SO-101019

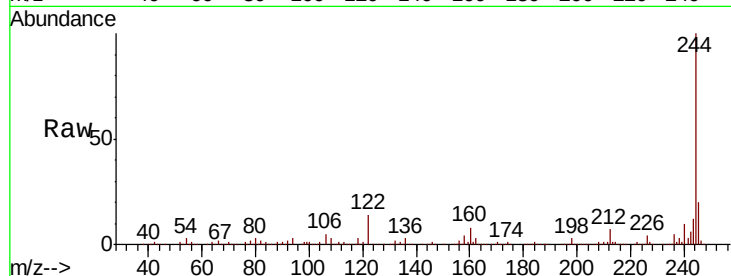
Tot Ion:184 Resp: 9287

Ion Ratio Lower Upper

184 100

185 19.6 12.2 18.2#

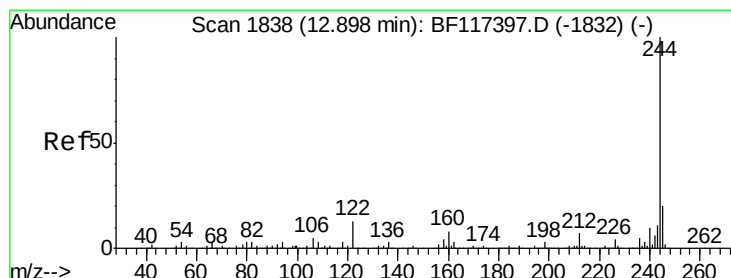
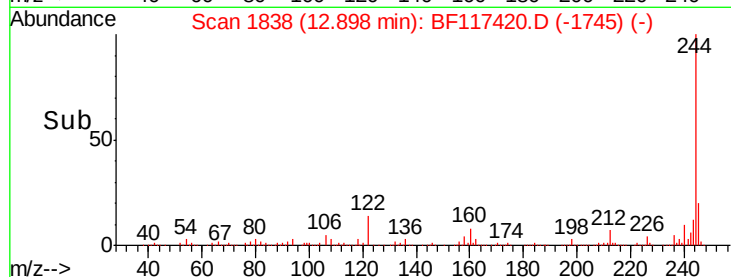
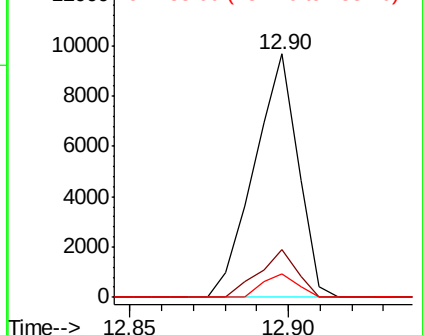
183 9.5 8.9 13.3



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



#79

Terphenyl-d14

Concen: 80.006 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117420.D

Acq: 16 Oct 2019 18:13

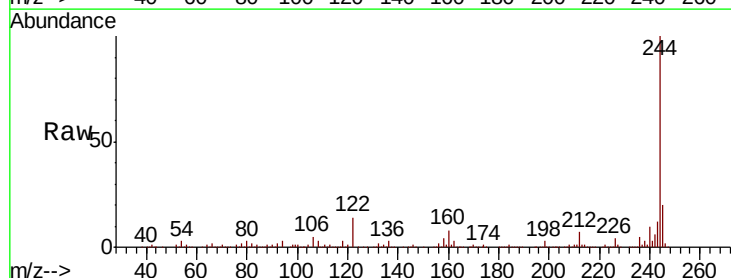
Tgt Ion:244 Resp: 681628

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

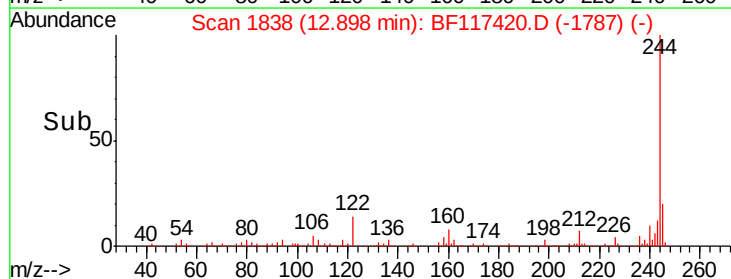
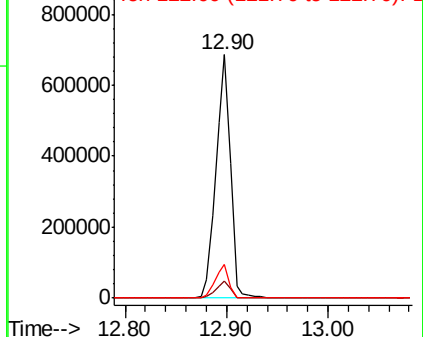
122 14.0 10.7 16.1

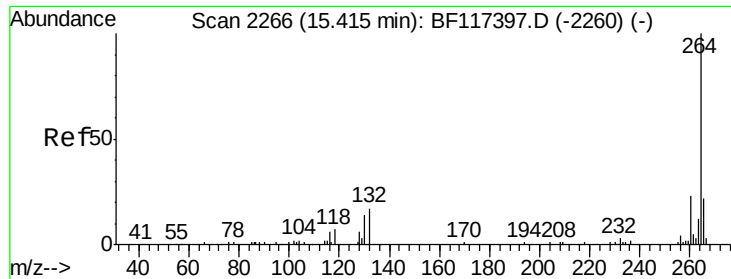


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF117420.D
Acq: 16 Oct 2019 18:13

Instrument :
BNA_F
ClientSampleId :
IDW-SO-101019

Tot Ion: 264 Resp: 138158

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.6	27.8
265	19.9	17.4	26.0

