

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118628.D
 Acq On : 21 Jan 2020 9:55
 Operator : CG/JU
 Sample : L1148-13 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 11:26:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	419039	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1522582	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	773097	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1182349	20.00	ng	0.00
76) Chrysene-d12	14.06	240	841424	20.00	ng	0.01
87) Perylene-d12	15.54	264	914690	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	322184	14.28	ng	0.00
7) Phenol-d6	6.50	99	431487	14.71	ng	-0.01
23) Nitrobenzene-d5	7.43	82	241793	8.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	98269	10.99	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	511216	10.87	ng	0.00
79) Terphenyl-d14	12.99	244	432931	11.22	ng	0.00

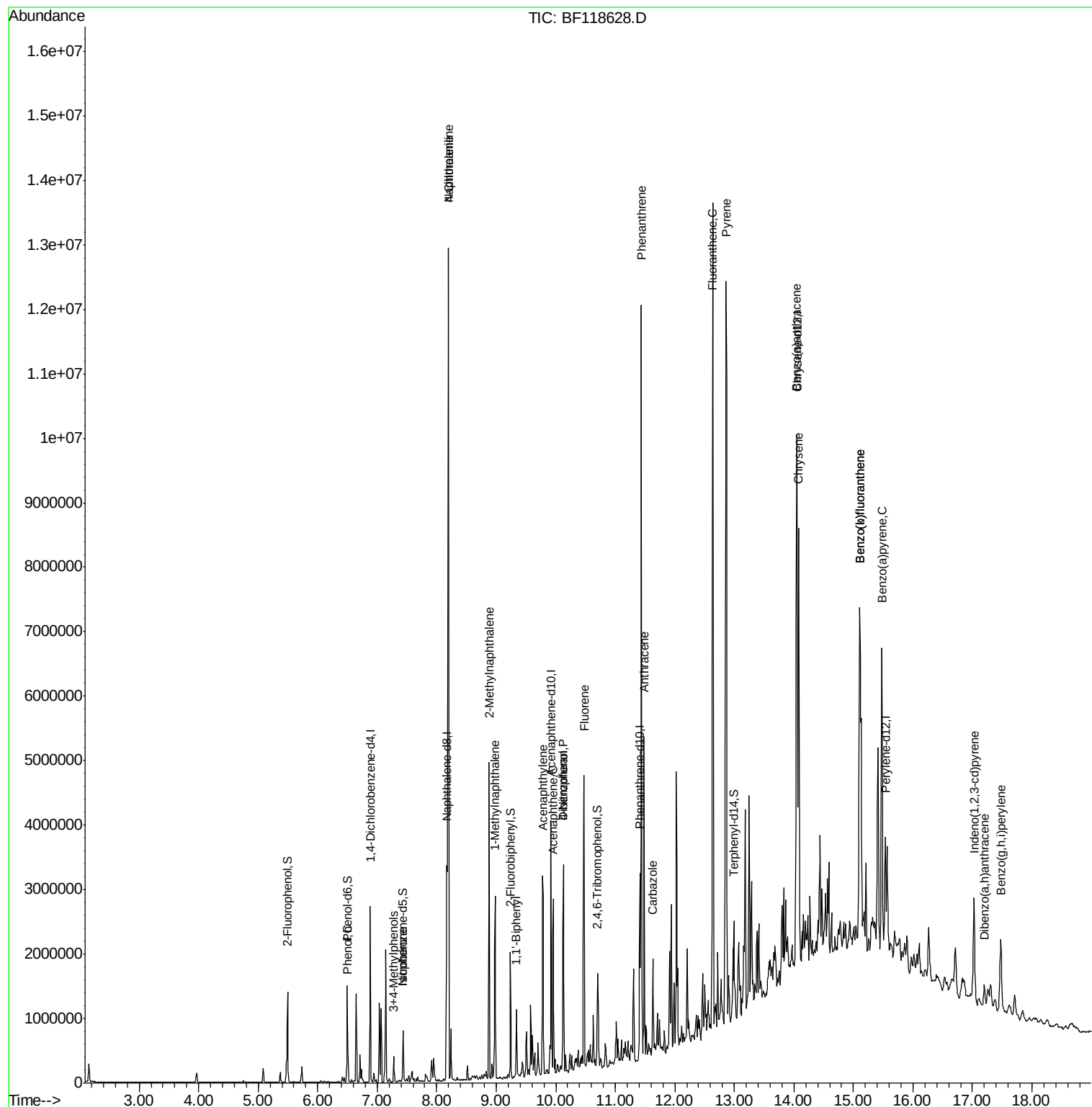
Target Compounds				Qvalue		
10) Phenol	6.51	94	100725	3.014	ng	98
20) 3+4-Methylphenols	7.28	107	80827	3.138	ng	# 69
25) Isophorone	7.43	82	239054	4.815	ng	# 64
31) Naphthalene	8.20	128	6542019	95.115	ng	# 92
33) 4-Chloroaniline	8.20	127	1072307	33.731	ng	# 35
37) 2-Methylnaphthalene	8.88	142	1173489	24.171	ng	99
38) 1-Methylnaphthalene	8.98	142	696532	15.101	ng	98
46) 1,1'-Biphenyl	9.34	154	292793	5.495	ng	93
49) Acenaphthylene	9.78	152	1225806	19.402	ng	96
52) Acenaphthene	9.96	154	537175	12.715	ng	98
55) Dibenzofuran	10.13	168	1076264	18.383	ng	95
56) 4-Nitrophenol	10.13	139	400703	41.214	ng	# 6
58) Fluorene	10.47	166	1410462	30.688	ng	100
71) Phenanthrene	11.44	178	4727823	82.884	ng	97
72) Anthracene	11.49	178	1782142	31.575	ng	96
73) Carbazole	11.63	167	549591	10.616	ng	96
75) Fluoranthene	12.64	202	5689574	94.570	ng	94
78) Pyrene	12.86	202	5518593	96.605	ng	96
81) Benzo(a)anthracene	14.04	228	3250772	64.224	ng	94
83) Chrysene	14.08	228	2704744	55.756	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	1123580	26.656	ng	98
88) Benzo(b)fluoranthene	15.11	252	4684201	81.472	ng	# 97
89) Benzo(k)fluoranthene	15.11	252	4684201	87.939	ng	98
90) Benzo(a)pyrene	15.48	252	2452595	49.451	ng	98
91) Dibenzo(a,h)anthracene	17.20	278	262797	5.990	ng	92
92) Benzo(g,h,i)perylene	17.47	276	1022082	23.994	ng	97

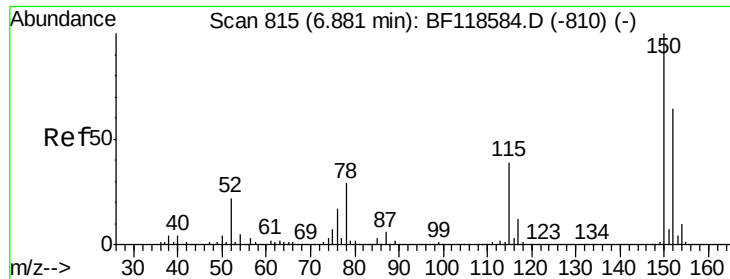
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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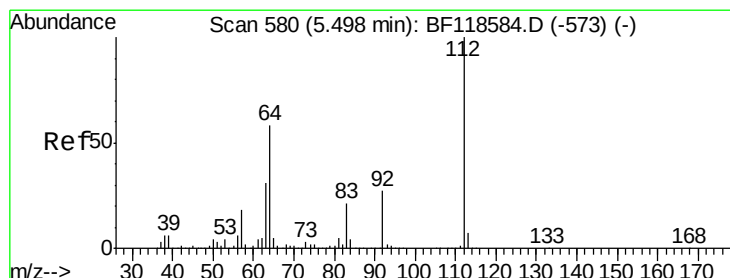
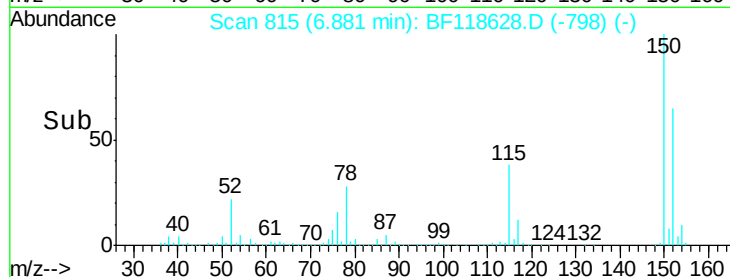
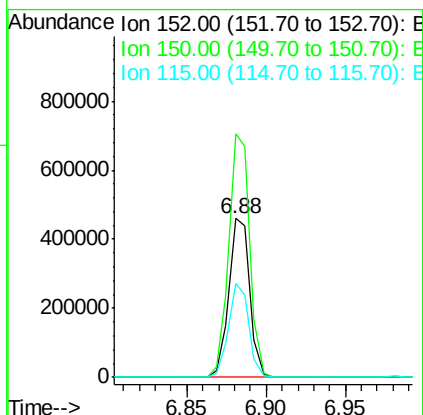
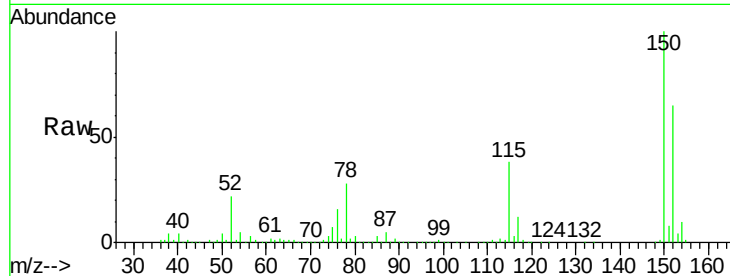




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF118628.D
 Acq: 21 Jan 2020 9:55

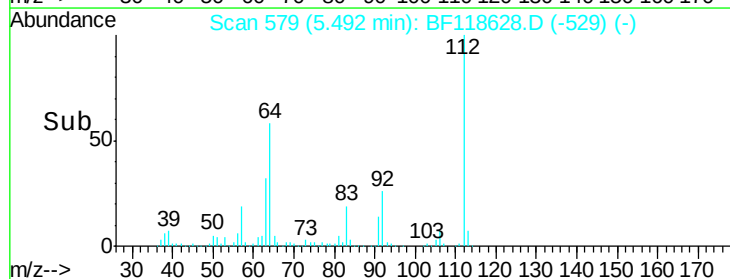
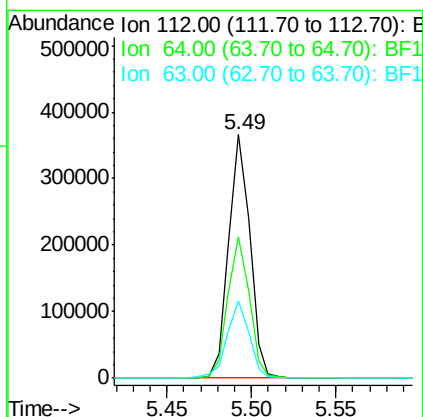
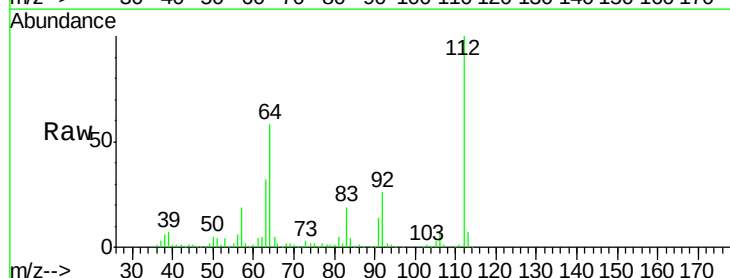
Instrument :
 BNA_F
 ClientSampleId :

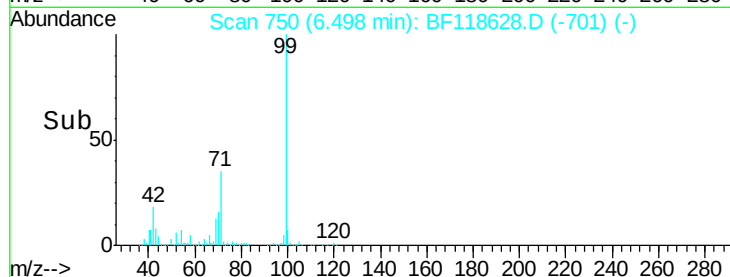
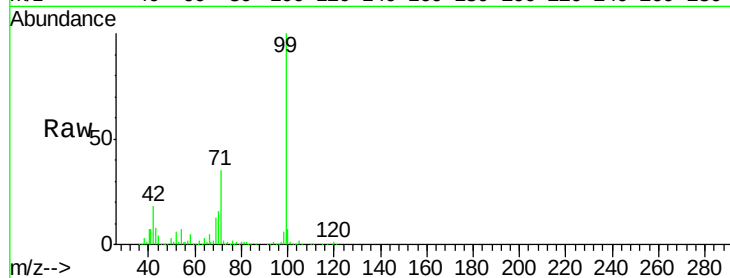
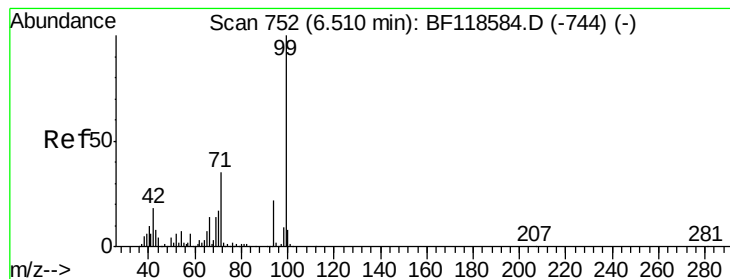
Tot Ion:152 Resp: 419039
 Ion Ratio Lower Upper
 152 100
 150 153.6 125.6 188.4
 115 59.1 48.4 72.6



#5
 2-Fluorophenol
 Concen: 14.280 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF118628.D
 Acq: 21 Jan 2020 9:55

Tgt Ion:112 Resp: 322184
 Ion Ratio Lower Upper
 112 100
 64 57.8 46.6 70.0
 63 31.6 25.1 37.7





#7

Phenol-d6

Concen: 14.714 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

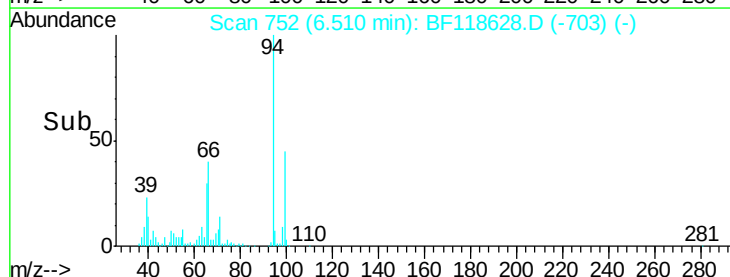
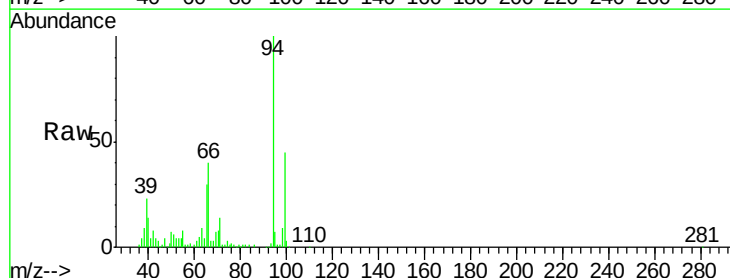
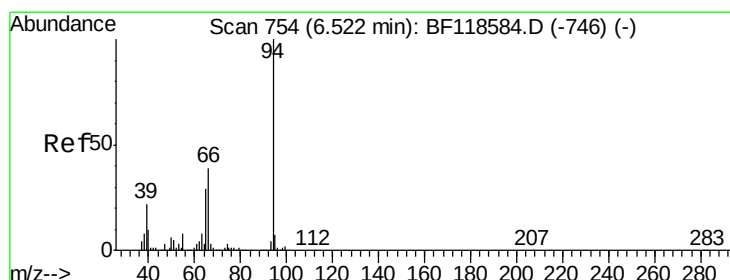
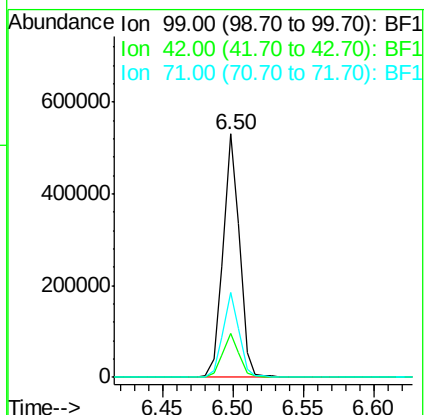
Tot Ion: 99 Resp: 431487

Ion Ratio Lower Upper

99 100

42 18.0 14.2 21.2

71 34.9 27.8 41.6



#10

Phenol

Concen: 3.014 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

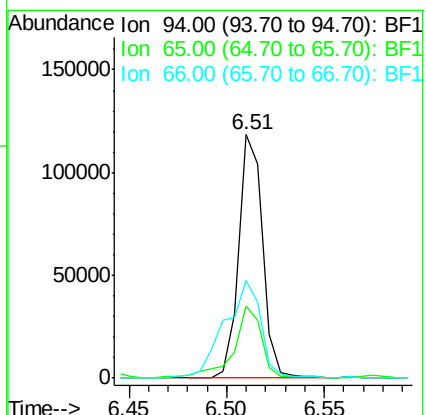
Tgt Ion: 94 Resp: 100725

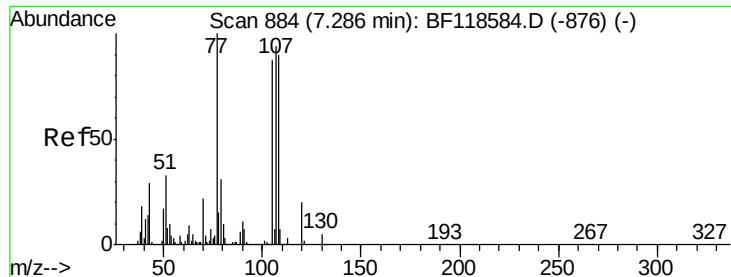
Ion Ratio Lower Upper

94 100

65 29.6 9.5 49.5

66 40.2 18.5 58.5

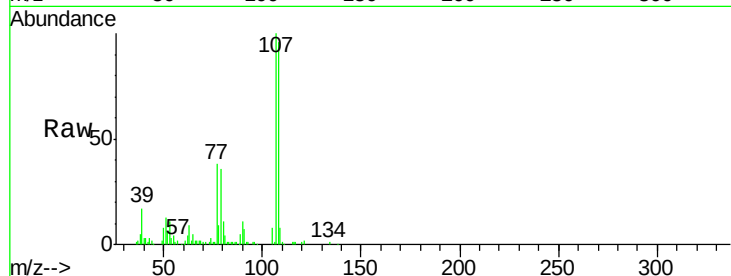




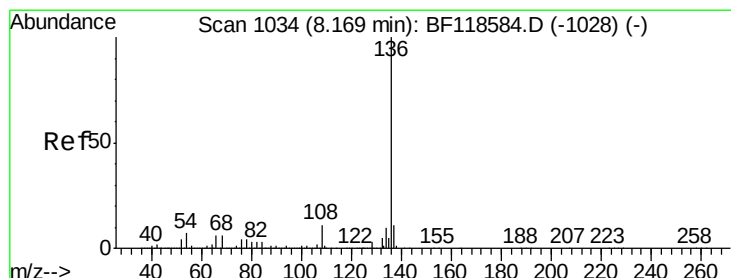
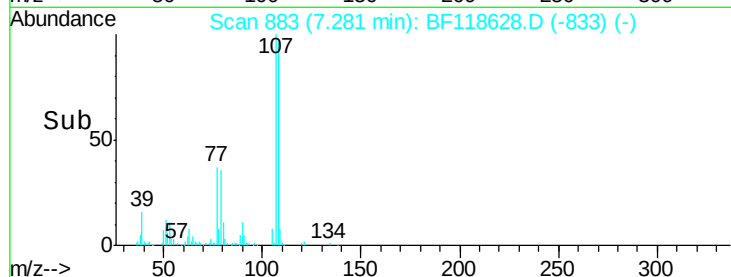
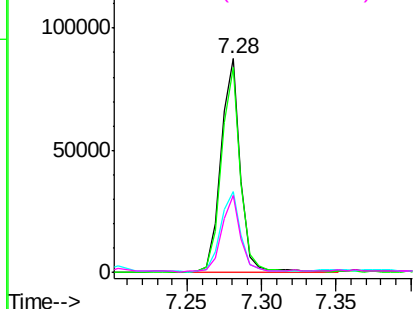
#20
3+4-Methylphenols
Concen: 3.138 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	80827
Ion	Ratio	Lower	Upper
107	100		
108	96.2	75.8	115.8
77	37.6	86.5	126.5#
79	36.1	12.9	52.9

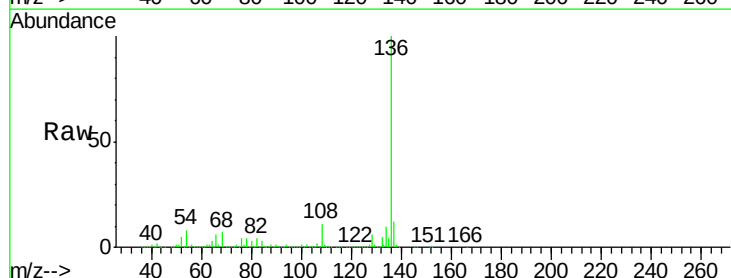


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

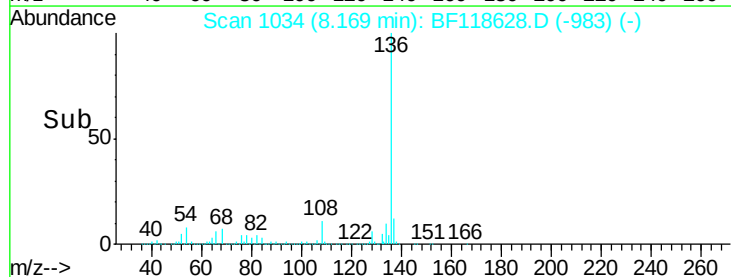
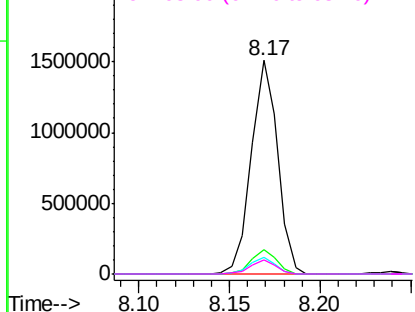


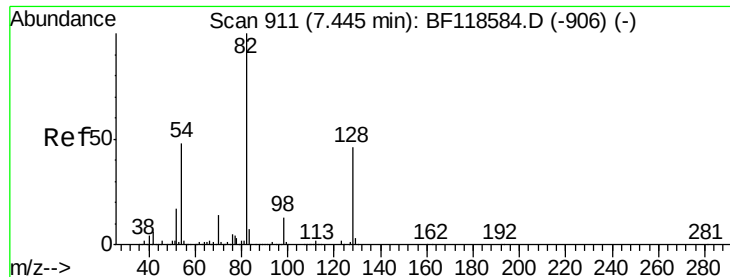
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Tgt Ion:	136	Resp:	1522582
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.7	5.8	8.6
68	6.6	5.0	7.4



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

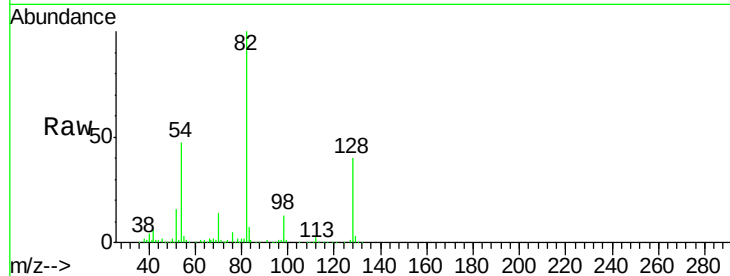




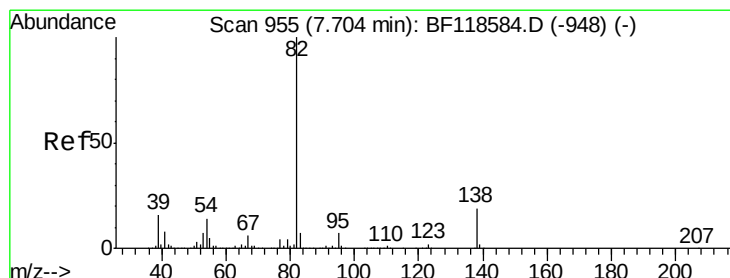
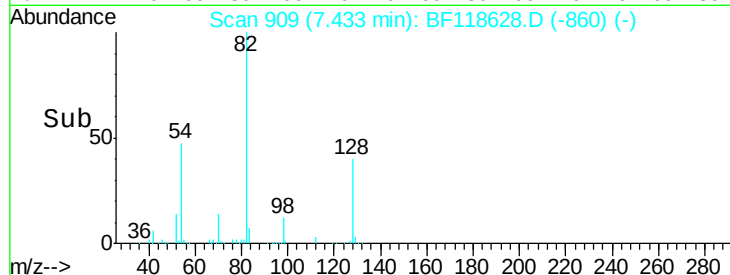
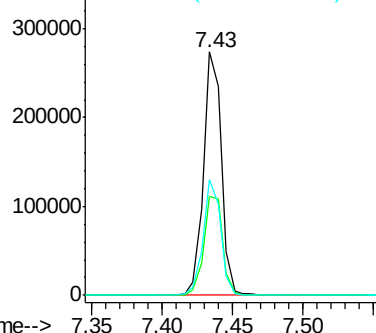
#23
Nitrobenzene-d5
Concen: 8.883 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	241793
Ion Ratio	Lower	Upper	
82	100		
128	40.4	36.6	54.8
54	47.4	38.0	57.0

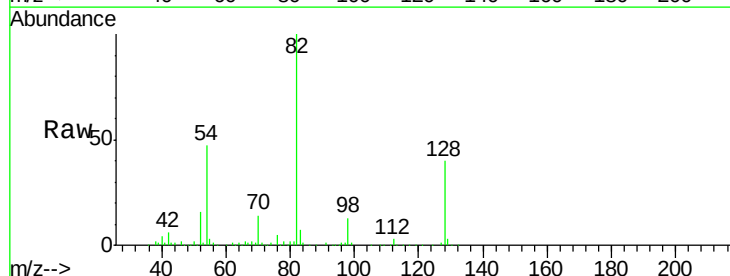


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

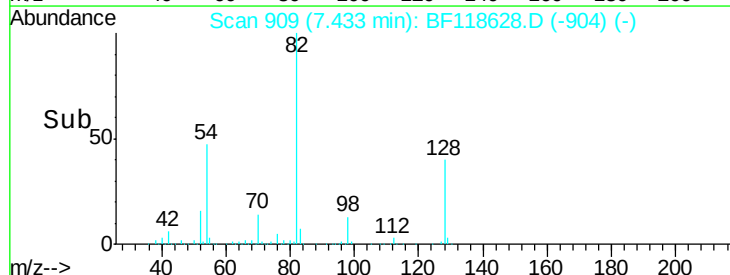
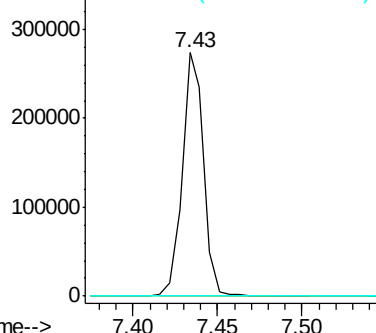


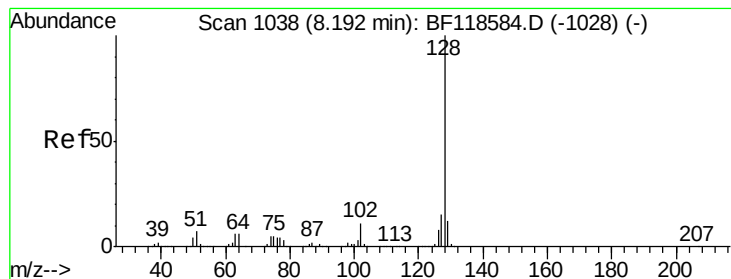
#25
Isophorone
Concen: 4.815 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Tgt Ion	82	Resp	239054
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.9	8.9#
138	0.0	15.3	22.9#



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: 95.115 ng

RT: 8.20 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

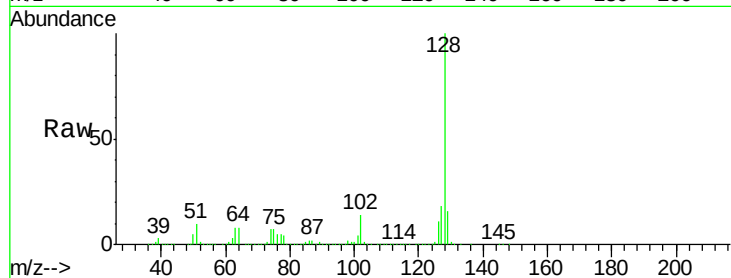
Tot Ion:128 Resp: 6542019

Ion Ratio Lower Upper

128 100

129 15.5 9.9 14.9#

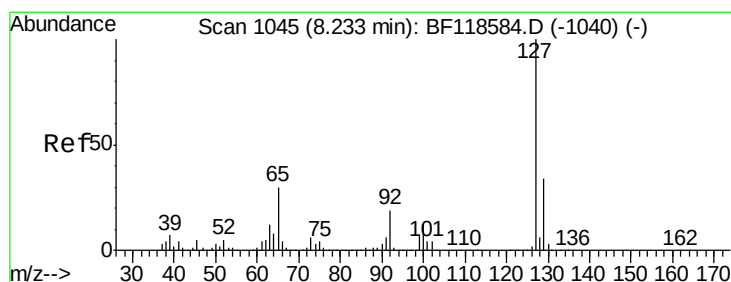
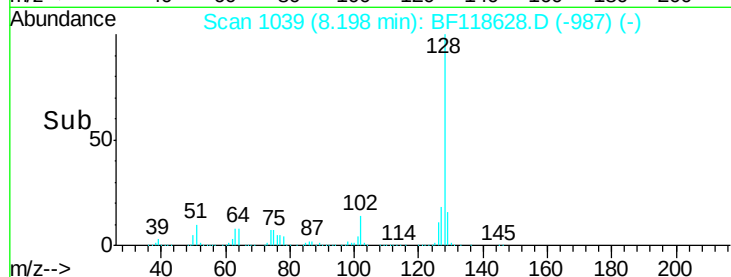
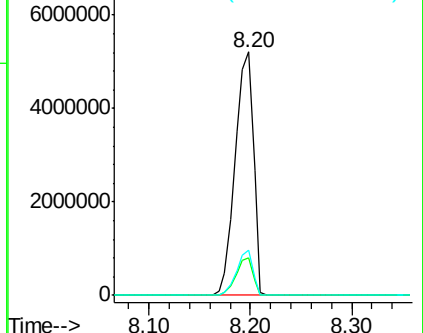
127 18.4 12.0 18.0#



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



#33

4-Chloroaniline

Concen: 33.731 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.04 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Tgt Ion:127 Resp: 1072307

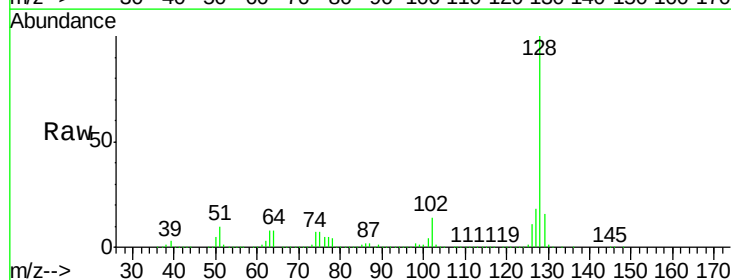
Ion Ratio Lower Upper

127 100

129 84.4 27.4 41.0#

65 0.0 23.6 35.4#

92 0.0 15.0 22.4#

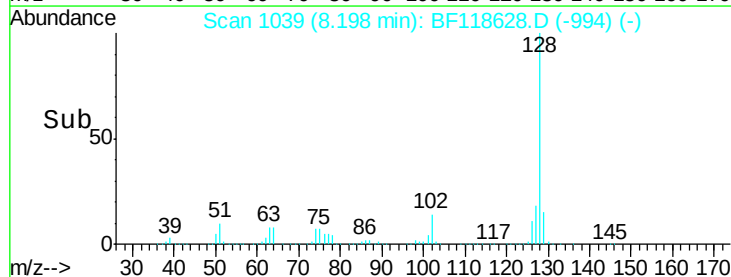
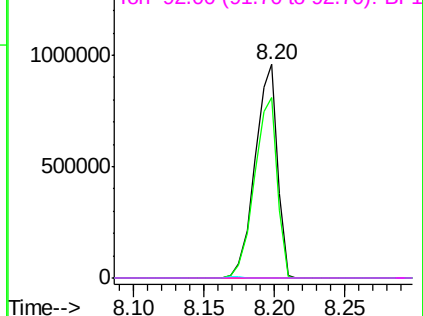


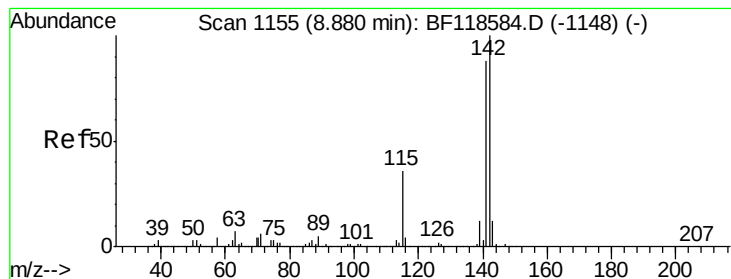
Abundance Ion 127.00 (126.70 to 127.70): E

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





#37

2-Methylnaphthalene

Concen: 24.171 ng

RT: 8.88 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF118628.D

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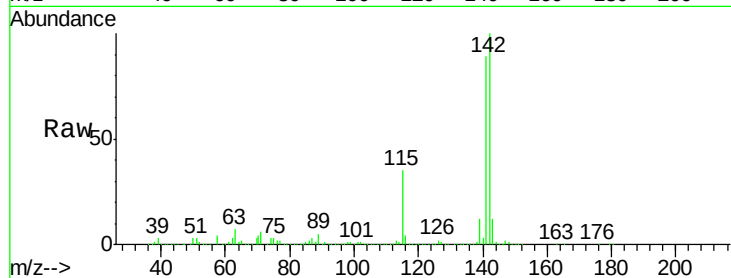
Tot Ion:142 Resp: 1173489

Ion Ratio Lower Upper

142 100

141 88.5 70.7 106.1

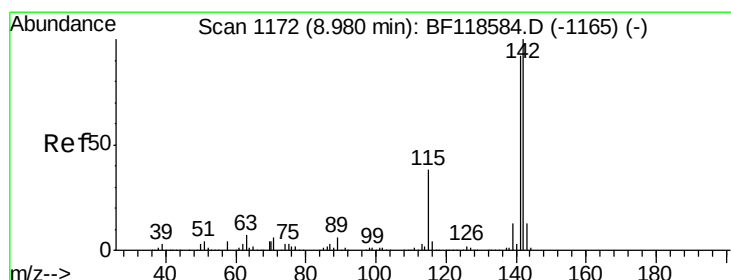
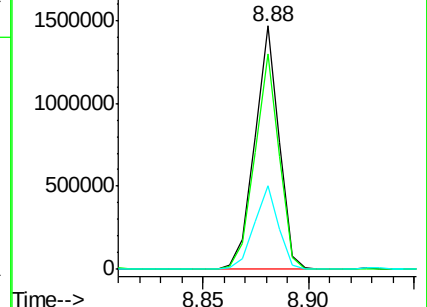
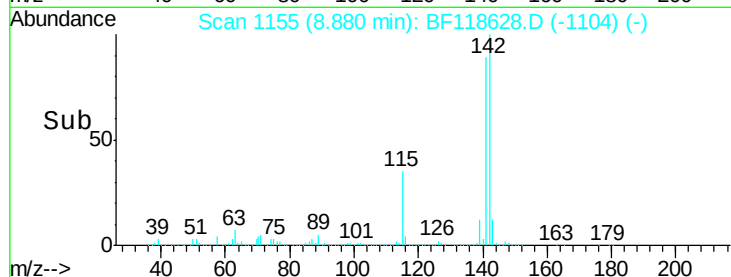
115 34.6 28.5 42.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 15.101 ng

RT: 8.98 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

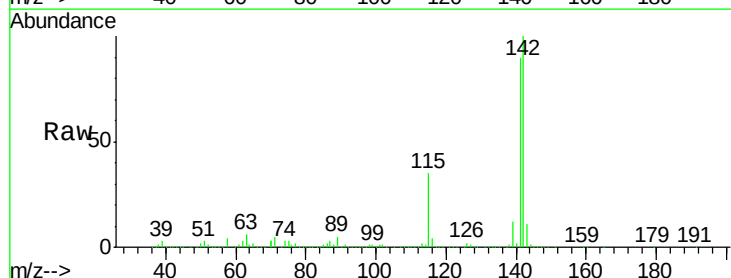
Tgt Ion:142 Resp: 696532

Ion Ratio Lower Upper

142 100

141 89.9 73.4 110.2

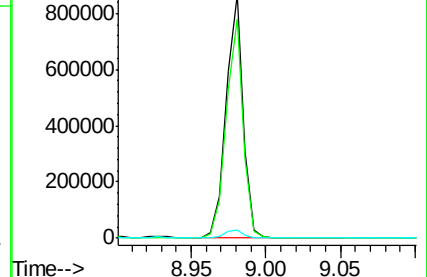
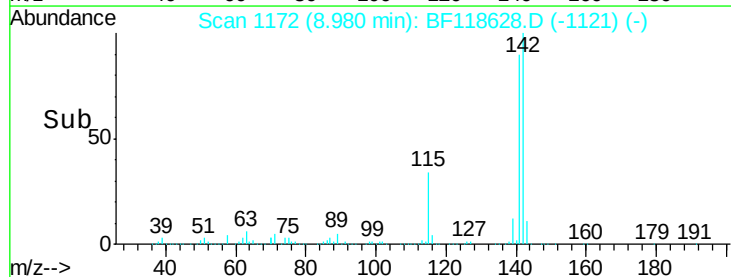
116 3.6 3.3 4.9

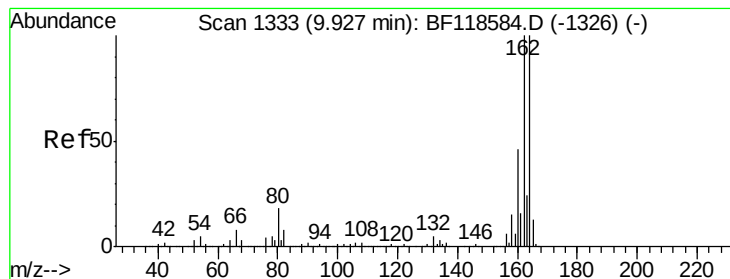


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

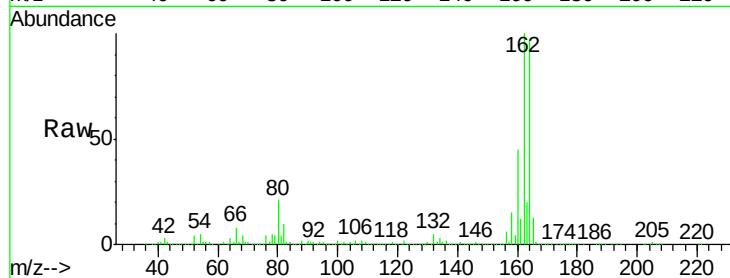
Tot Ion:164 Resp: 773097

Ion Ratio Lower Upper

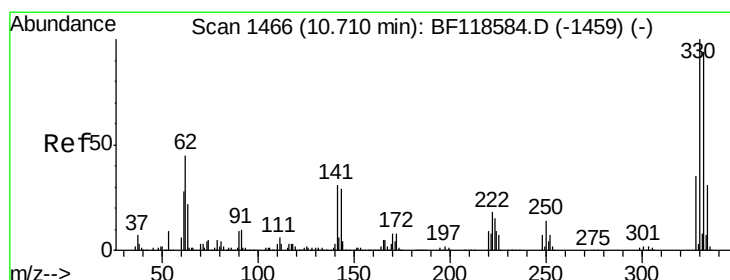
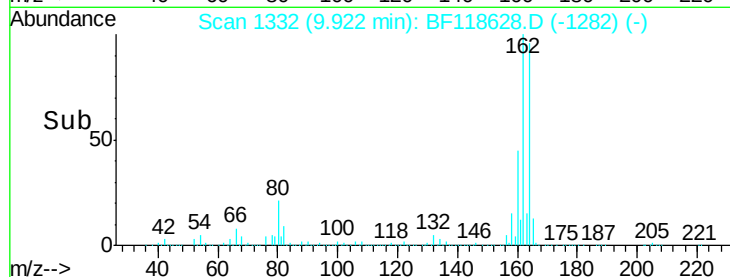
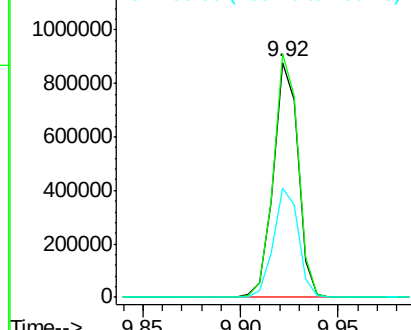
164 100

162 103.5 80.4 120.6

160 46.2 36.6 55.0



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: 10.990 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

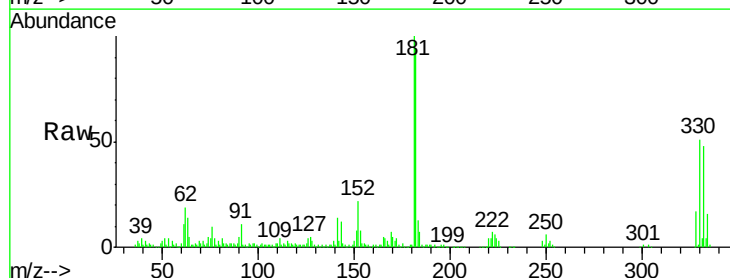
Tgt Ion:330 Resp: 98269

Ion Ratio Lower Upper

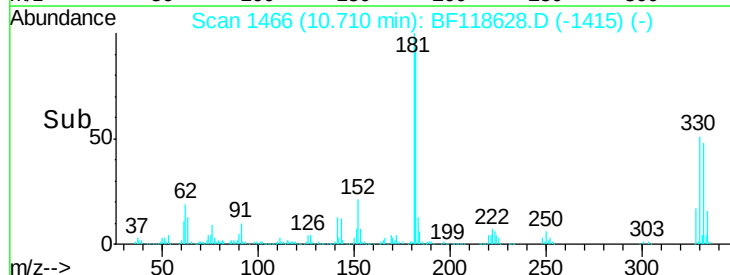
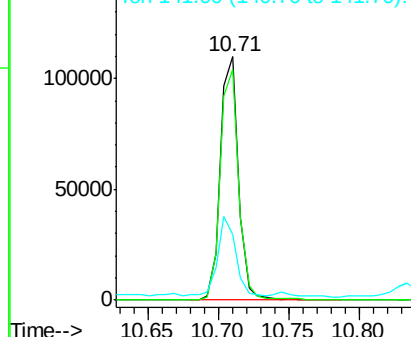
330 100

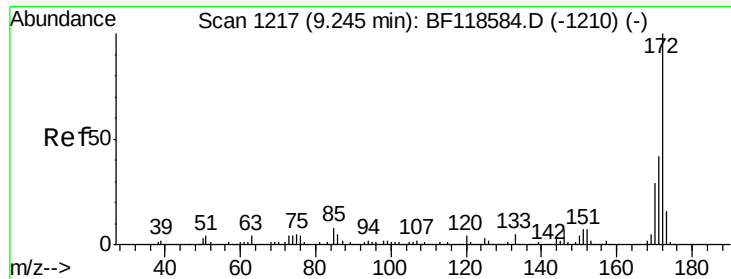
332 96.0 76.2 114.4

141 33.1 23.9 35.9



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

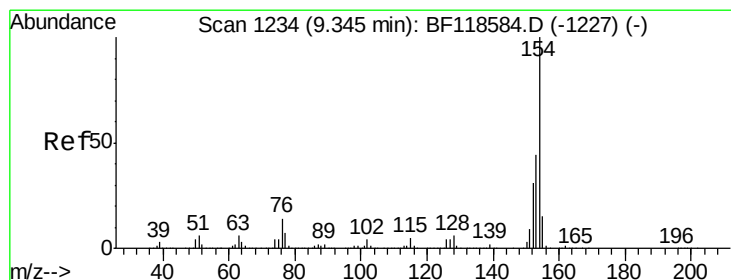
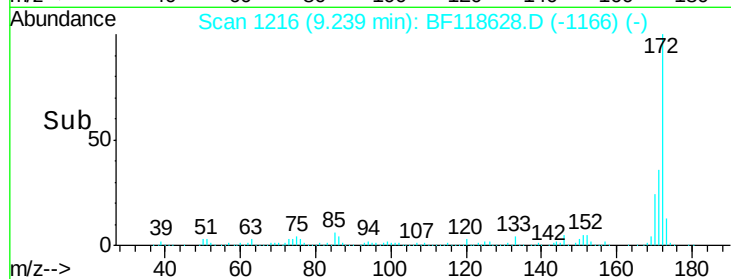
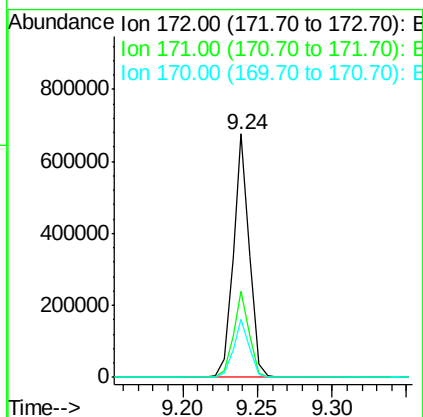
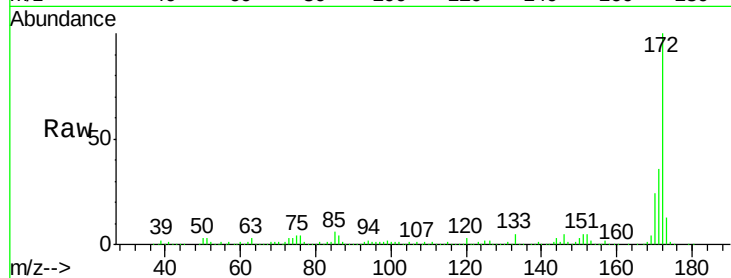




#45
2-Fluorobiphenyl
Concen: 10.869 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

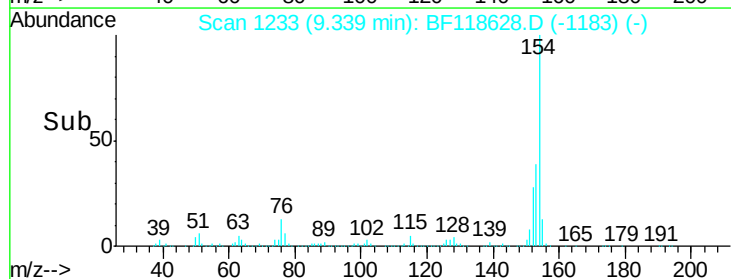
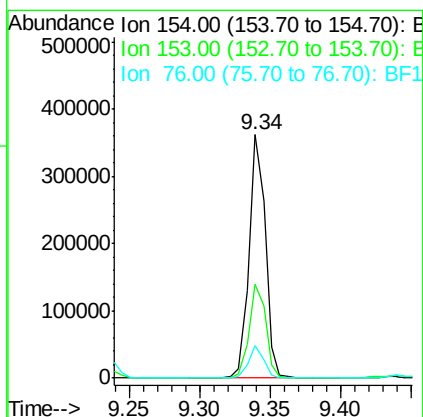
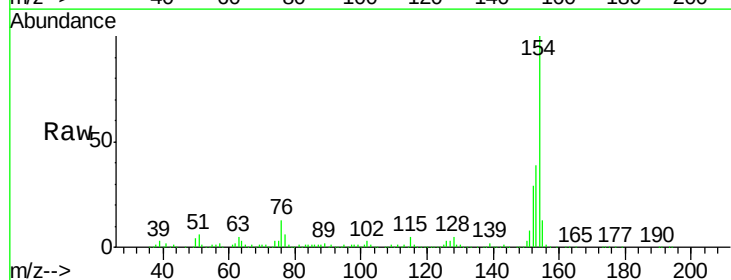
Instrument :
BNA_F
ClientSampleId :

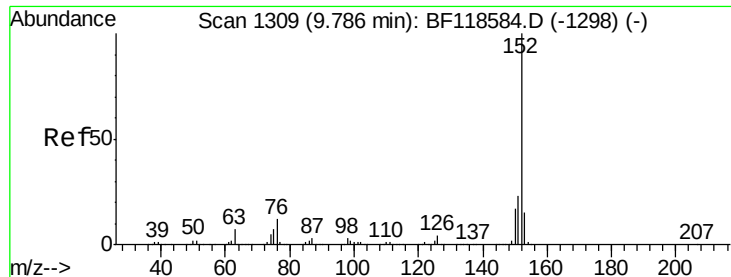
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	33.4	50.2
170	23.9	23.2	34.8



#46
1,1'-Biphenyl
Concen: 5.495 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.7	23.8	63.8
76	13.1	0.0	34.3





#49

Acenaphthylene

Concen: 19.402 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

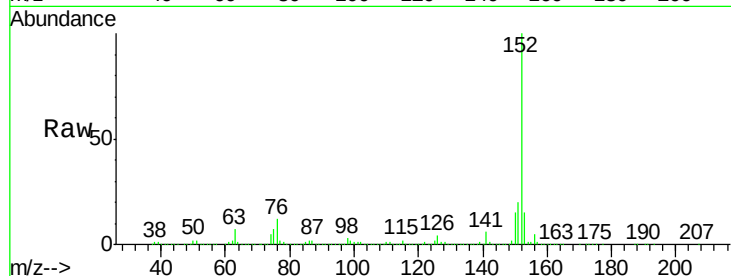
Tot Ion:152 Resp: 1225806

Ion Ratio Lower Upper

152 100

151 20.4 18.6 27.8

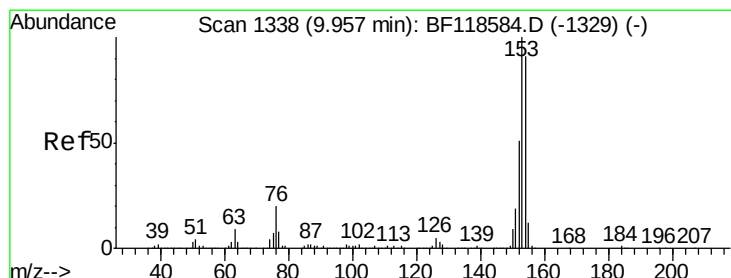
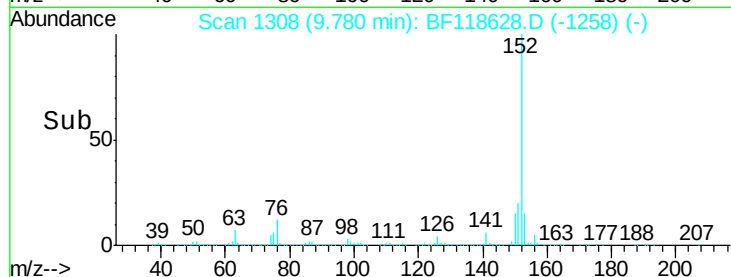
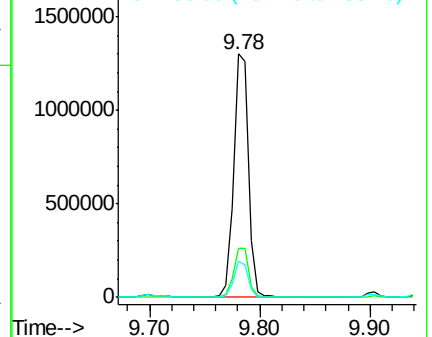
153 14.7 12.2 18.4



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



#52

Acenaphthene

Concen: 12.715 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

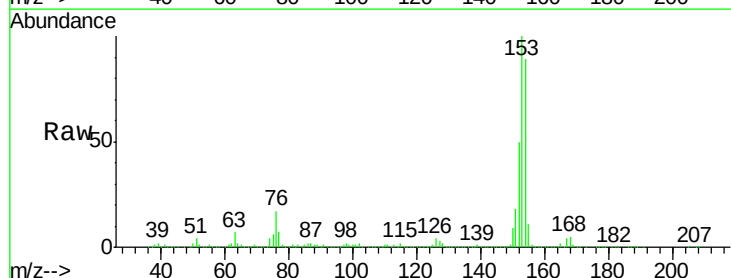
Tgt Ion:154 Resp: 537175

Ion Ratio Lower Upper

154 100

153 111.9 87.6 131.4

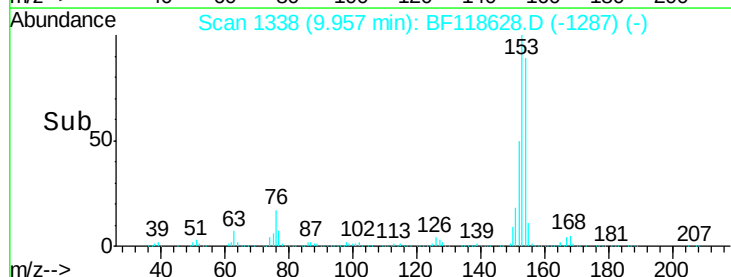
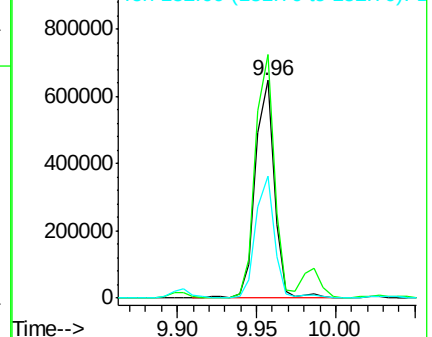
152 55.8 44.4 66.6

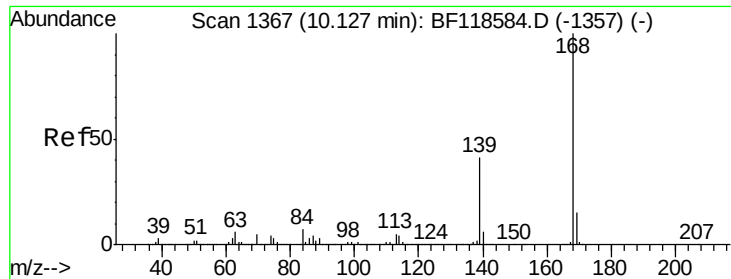


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 18.383 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

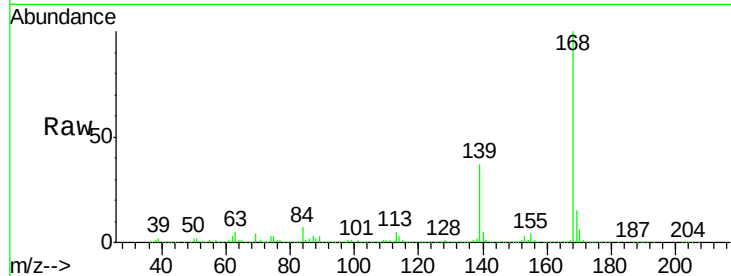
Tot Ion:168 Resp: 1076264

Ion Ratio Lower Upper

168 100

139 37.3 32.7 49.1

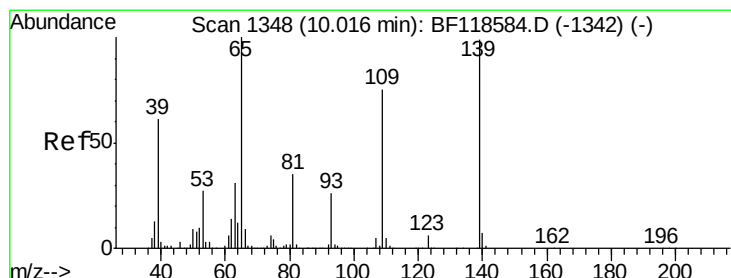
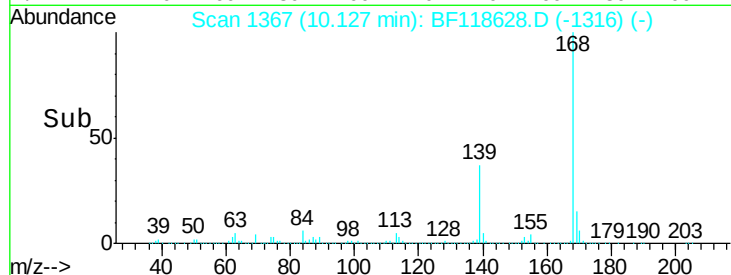
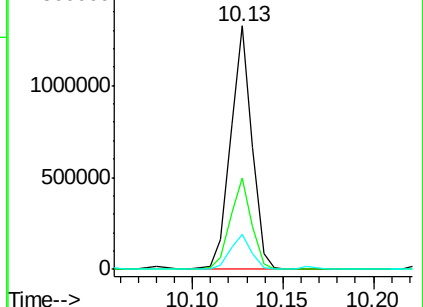
169 14.6 12.2 18.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 41.214 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.11 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

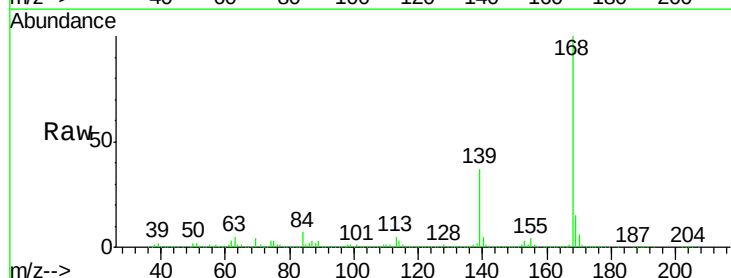
Tgt Ion:139 Resp: 400703

Ion Ratio Lower Upper

139 100

109 1.3 56.0 96.0#

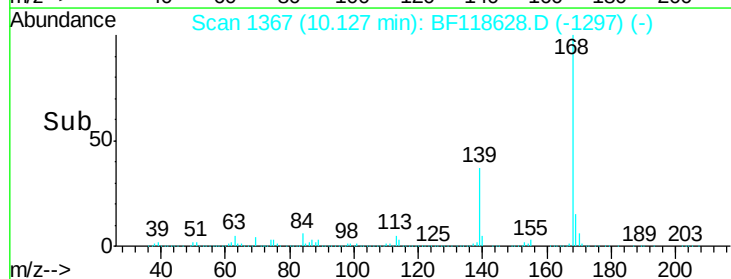
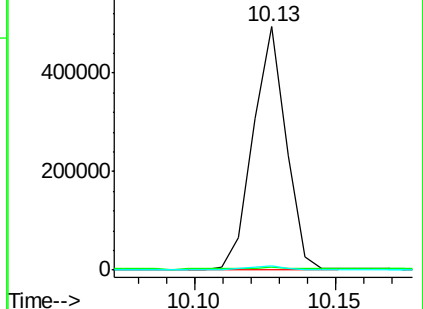
65 1.8 81.4 121.4#

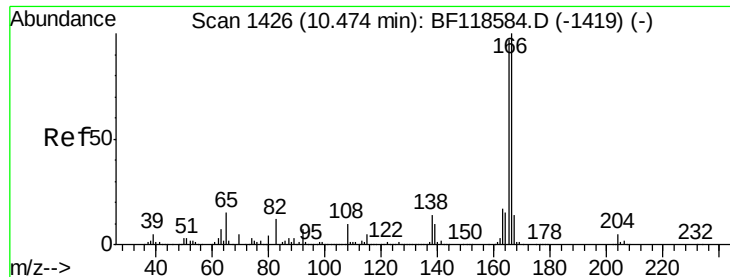


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

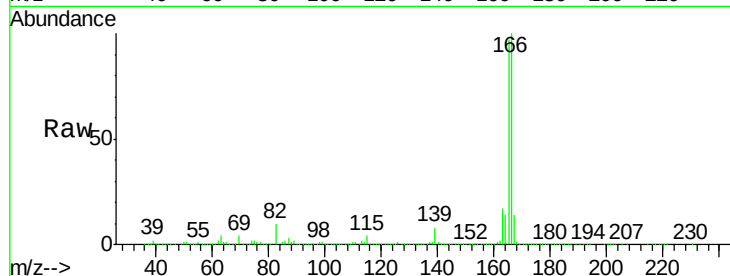




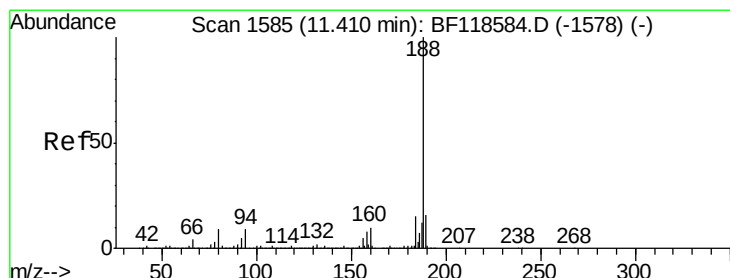
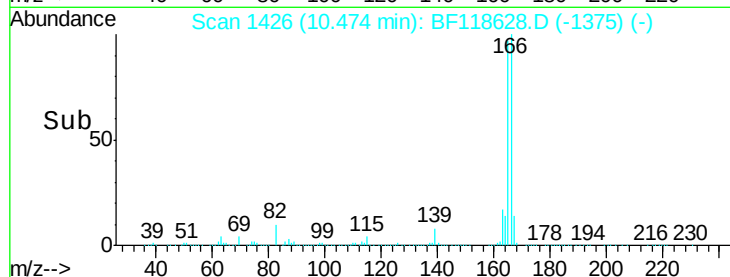
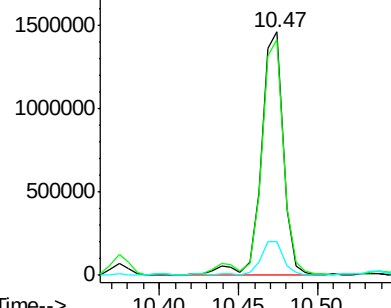
#58
 Fluorene
 Concen: 30.688 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF118628.D
 Acq: 21 Jan 2020 9:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 1410462
 Ion Ratio Lower Upper
 166 100
 165 96.7 77.3 115.9
 167 13.8 11.5 17.3

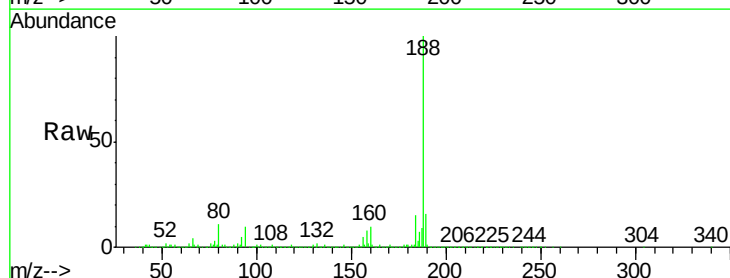


Abundance Ion 166.00 (165.70 to 166.70): E
 2000000
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

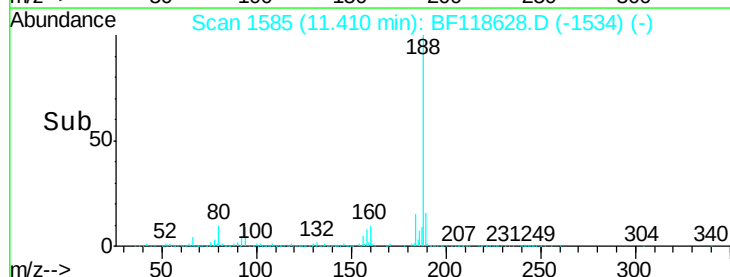
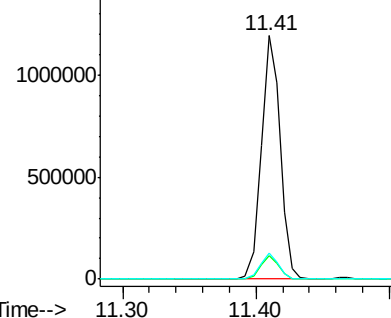


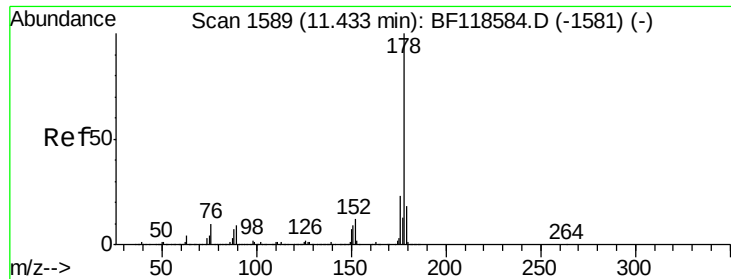
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF118628.D
 Acq: 21 Jan 2020 9:55

Tgt Ion:188 Resp: 1182349
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.1 10.7
 80 10.5 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E
 1500000
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

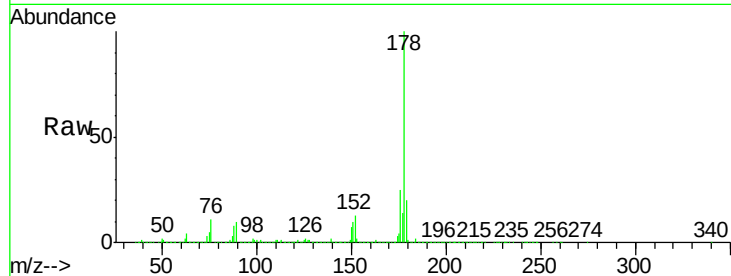




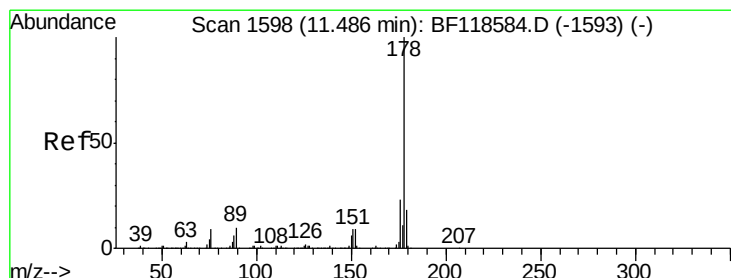
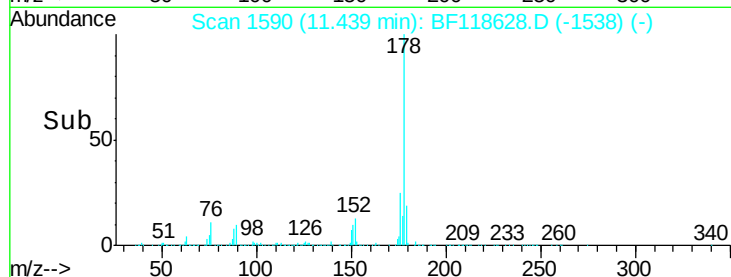
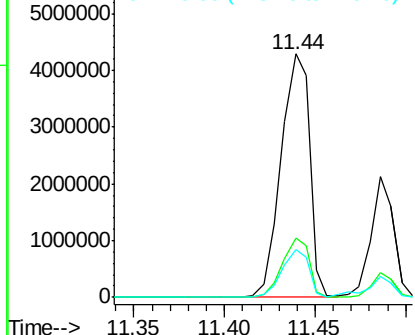
#71
Phenanthrene
Concen: 82.884 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 4727823
Ion Ratio Lower Upper
178 100
176 24.6 18.6 27.8
179 19.5 14.7 22.1

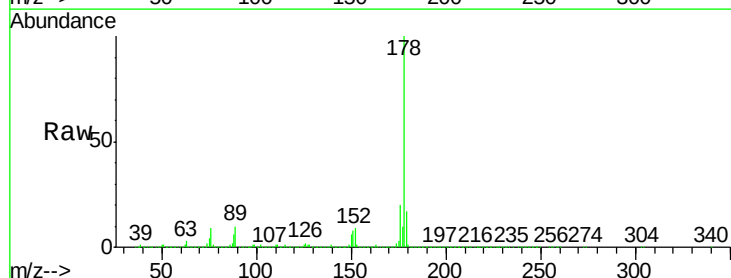


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

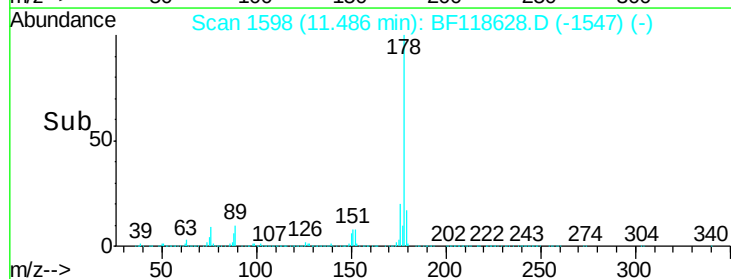
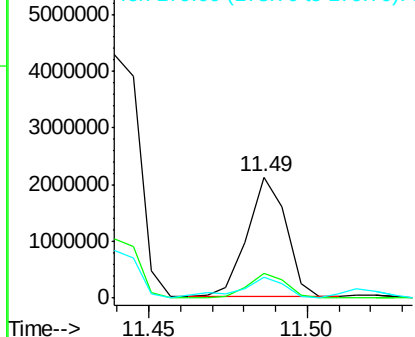


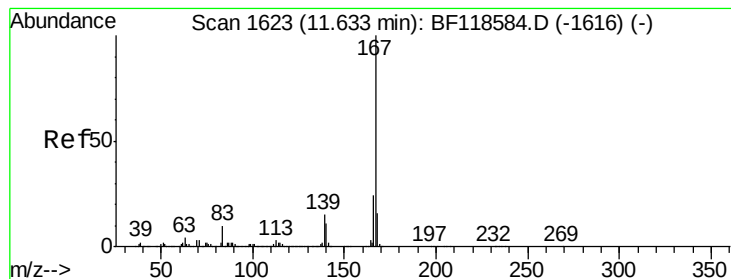
#72
Anthracene
Concen: 31.575 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Tgt Ion:178 Resp: 1782142
Ion Ratio Lower Upper
178 100
176 20.2 18.0 27.0
179 16.9 14.7 22.1



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: 10.616 ng

RT: 11.63 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

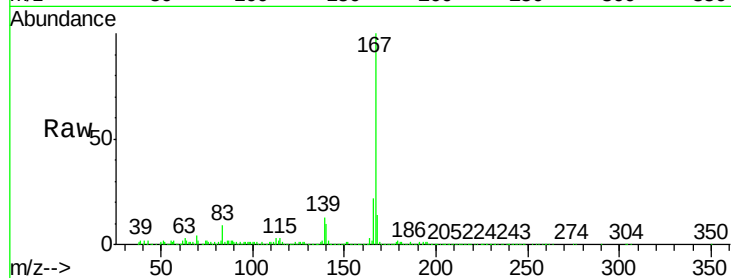
Instrument :

BNA_F

ClientSampleId :

Tot Ion:167 Resp: 549591

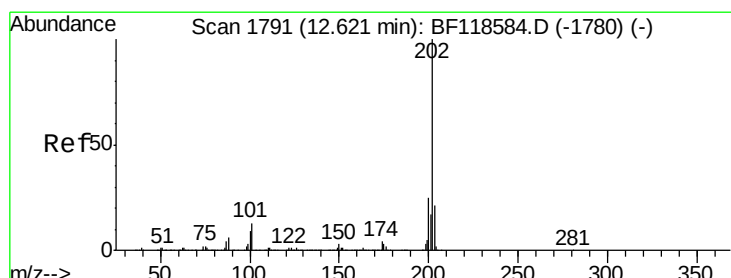
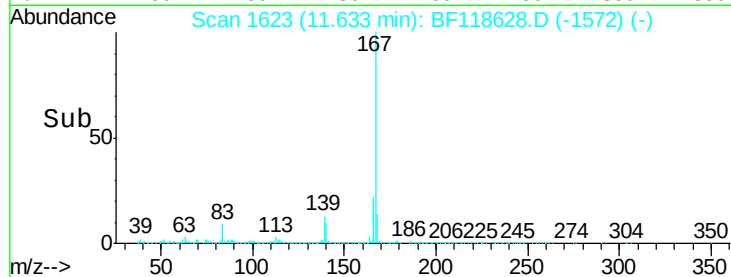
Ion	Ratio	Lower	Upper
167	100		
166	22.0	19.4	29.2
139	13.0	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 94.570 ng

RT: 12.64 min Scan# 1794

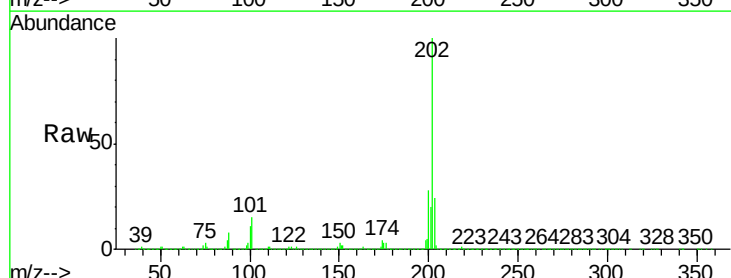
Delta R.T. 0.02 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Tgt Ion:202 Resp: 5689574

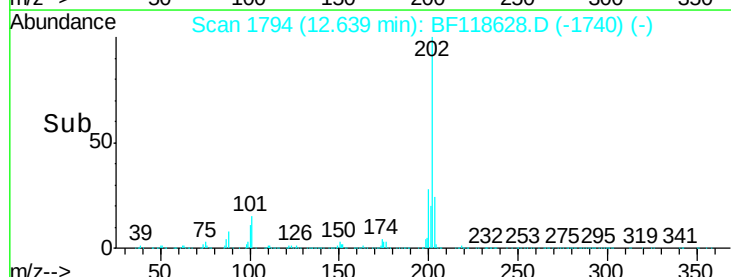
Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	32.5
203	23.7	0.8	40.8

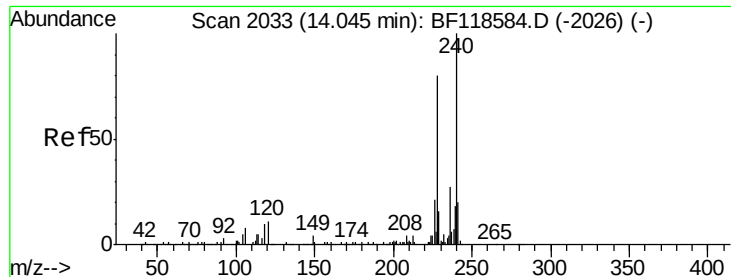


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

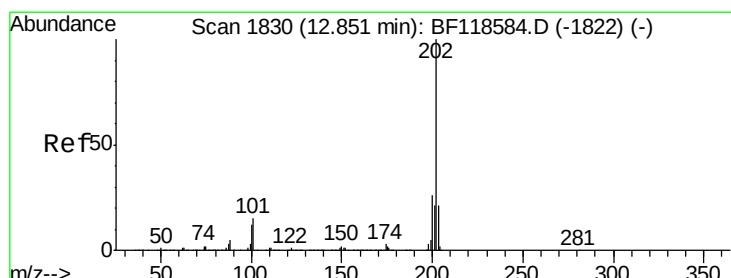
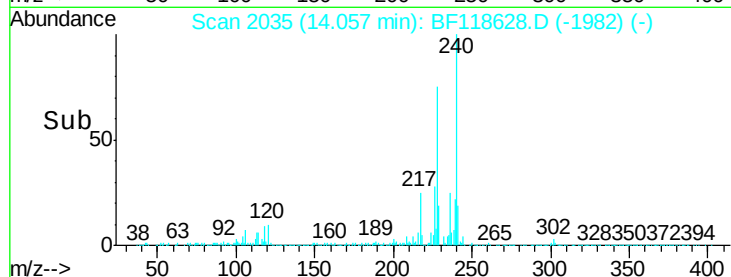
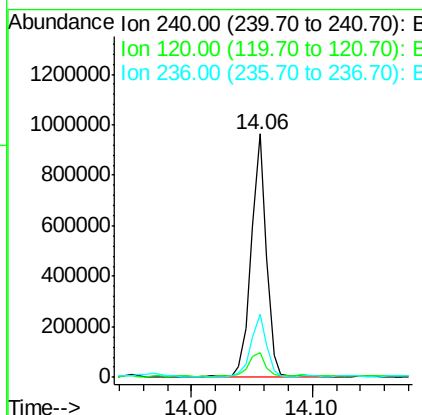
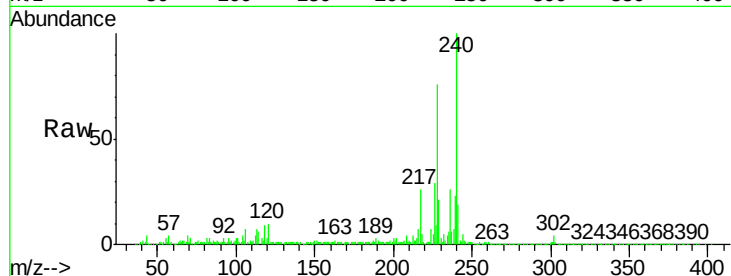




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF118628.D
 Acq: 21 Jan 2020 9:55

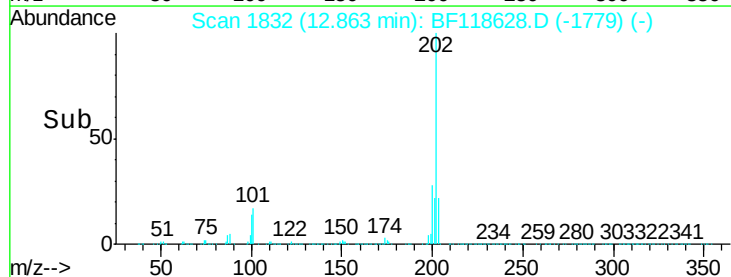
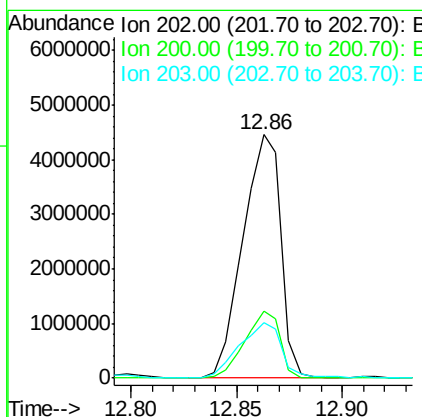
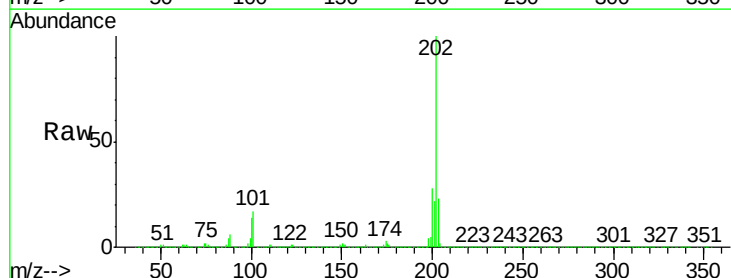
Instrument :
 BNA_F
 ClientSampleId :

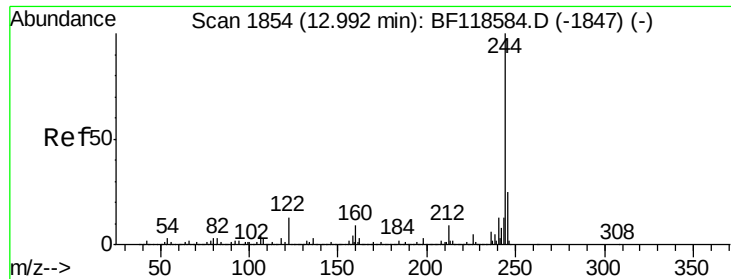
Tot Ion:240 Resp: 841424
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.9 13.3
 236 26.2 21.5 32.3



#78
 Pyrene
 Concen: 96.605 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BF118628.D
 Acq: 21 Jan 2020 9:55

Tgt Ion:202 Resp: 5518593
 Ion Ratio Lower Upper
 202 100
 200 27.5 20.6 31.0
 203 22.7 16.8 25.2





#79

Terphenyl-d14

Concen: 11.222 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

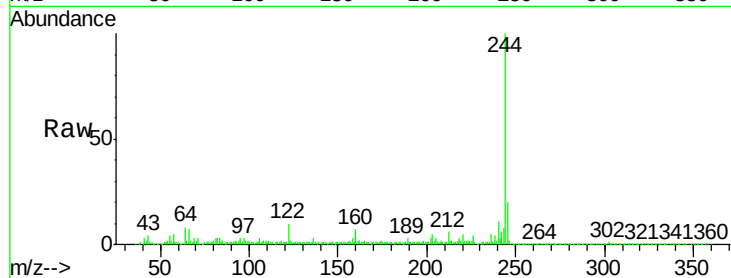
Tot Ion:244 Resp: 432931

Ion Ratio Lower Upper

244 100

212 6.5 7.0 10.4#

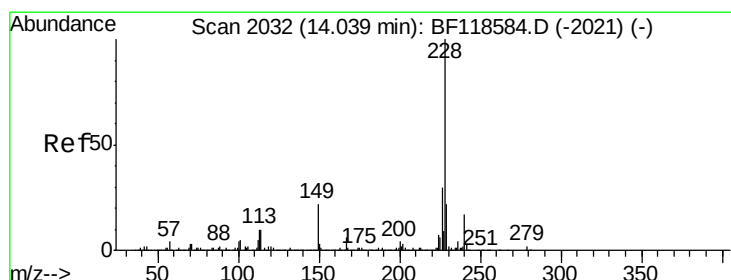
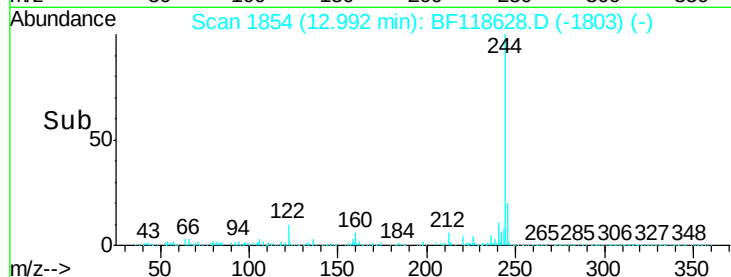
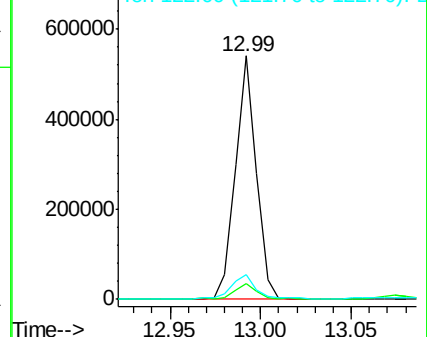
122 10.1 10.7 16.1#



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



#81

Benzo(a)anthracene

Concen: 64.224 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

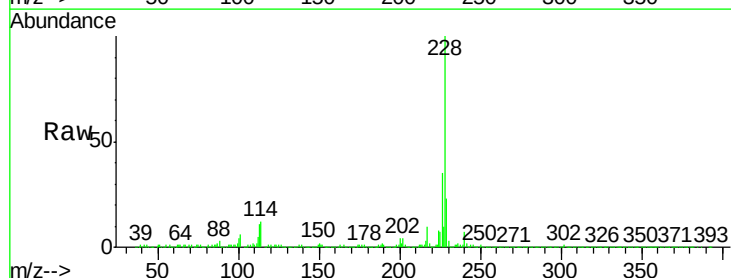
Tgt Ion:228 Resp: 3250772

Ion Ratio Lower Upper

228 100

226 34.7 24.1 36.1

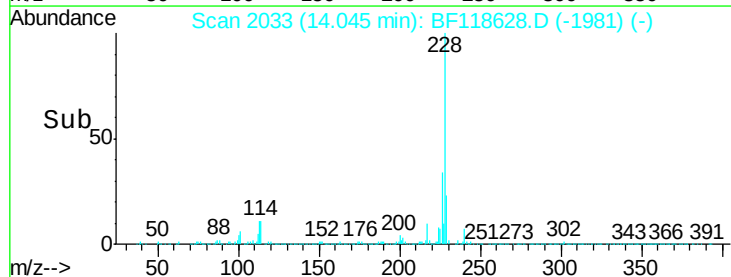
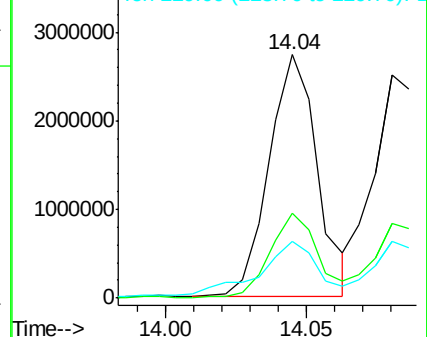
229 23.1 17.6 26.4

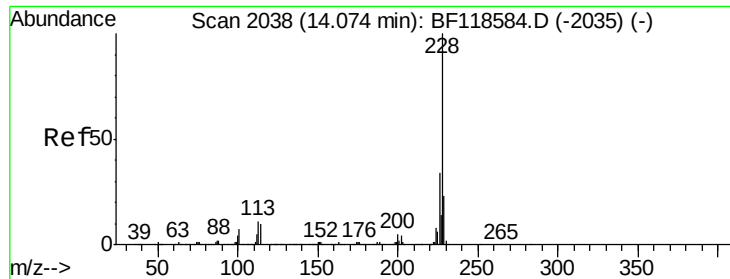


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 55.756 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

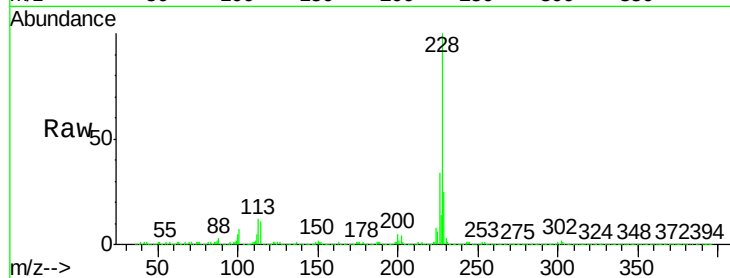
Tot Ion:228 Resp: 2704744

Ion Ratio Lower Upper

228 100

226 33.6 27.4 41.0

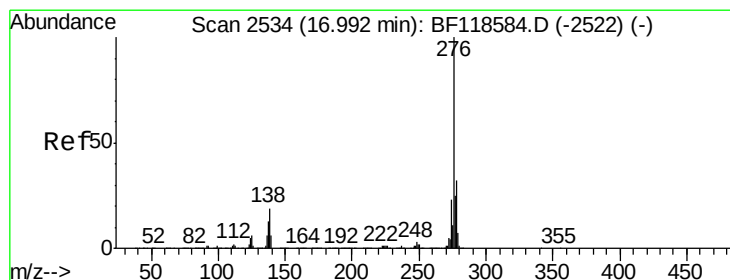
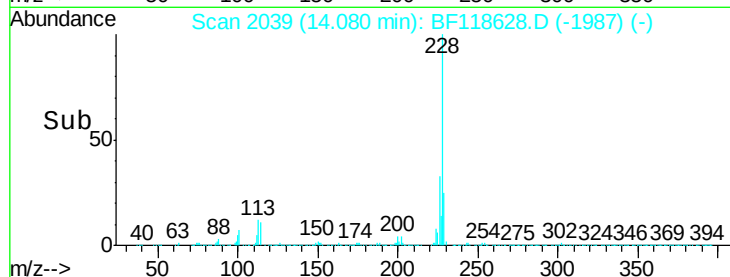
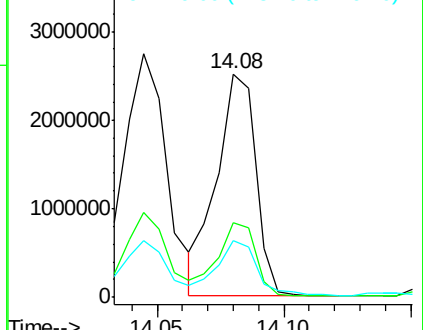
229 25.2 18.3 27.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 26.656 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.04 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

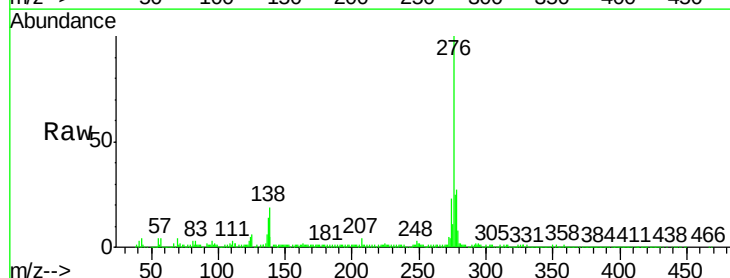
Tgt Ion:276 Resp: 1123580

Ion Ratio Lower Upper

276 100

138 19.9 17.2 25.8

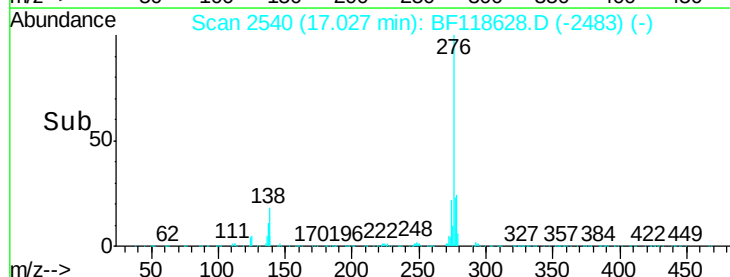
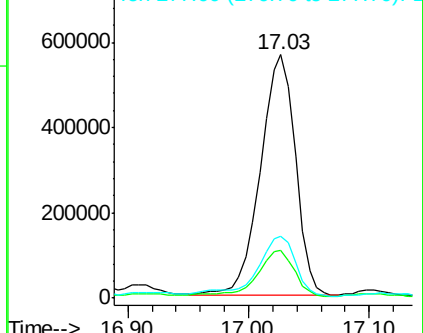
277 25.3 20.5 30.7

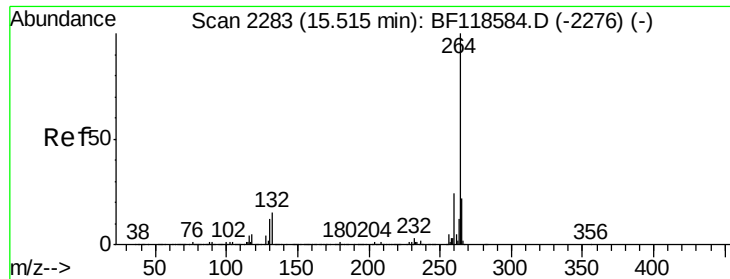


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



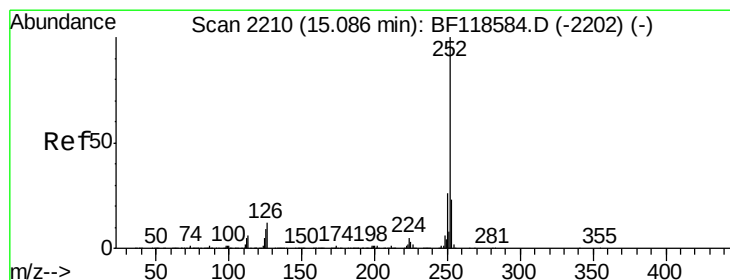
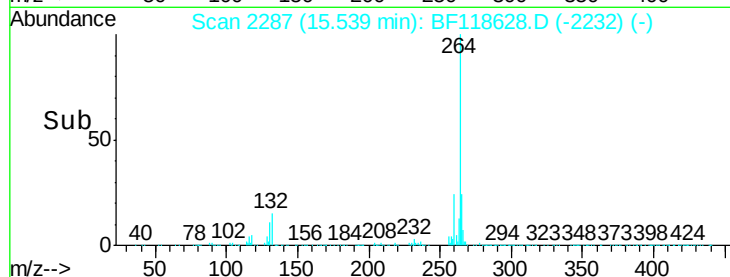
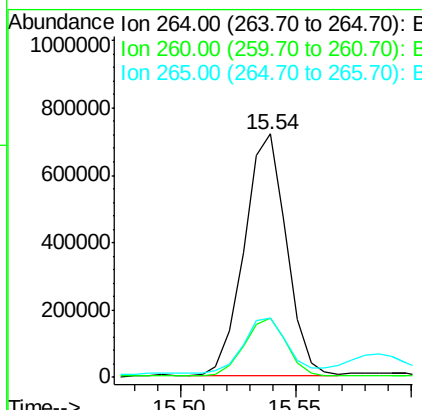
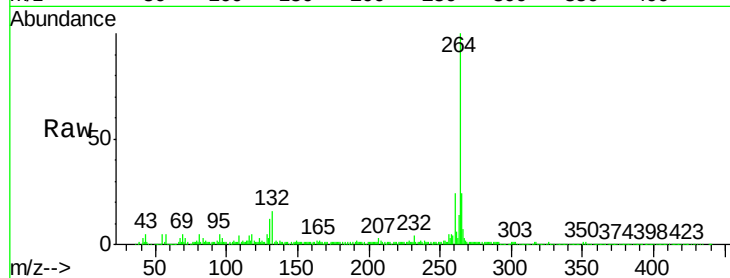


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 914690

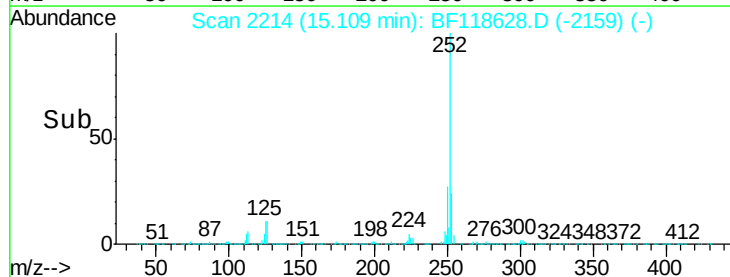
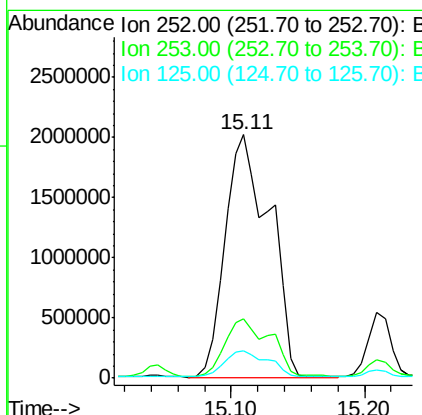
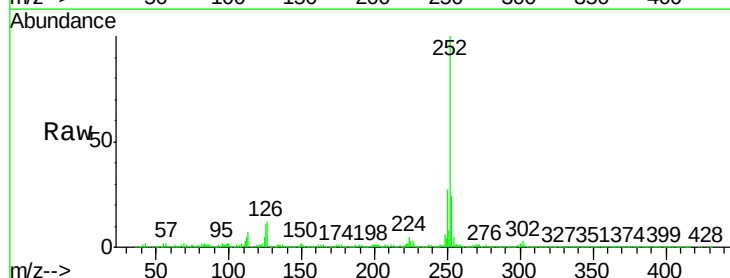
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	24.5	17.7	26.5

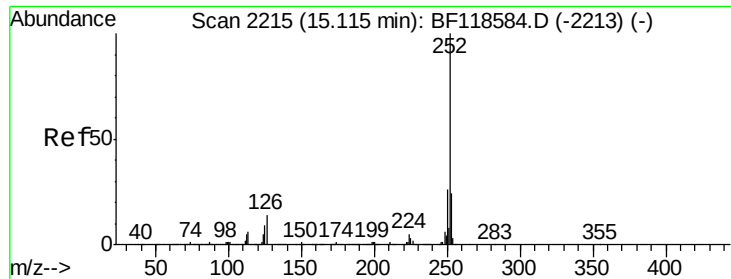


#88
Benzo(b)fluoranthene
Concen: 81.472 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF118628.D
Acq: 21 Jan 2020 9:55

Tgt Ion:252 Resp: 4684201

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.7	28.1
125	11.1	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 87.939 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

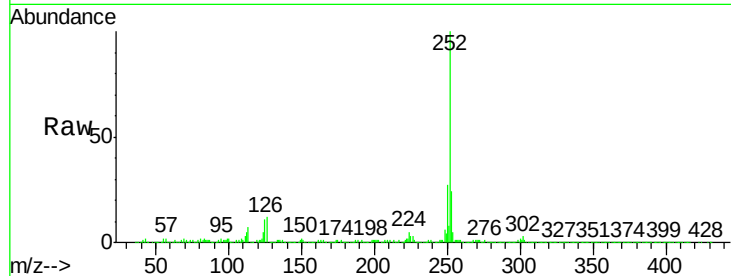
Tot Ion:252 Resp: 4684201

Ion Ratio Lower Upper

252 100

253 24.3 19.0 28.4

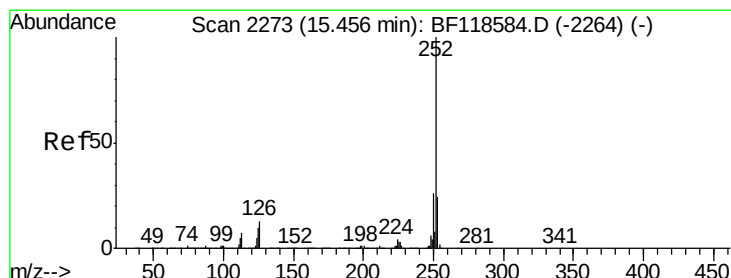
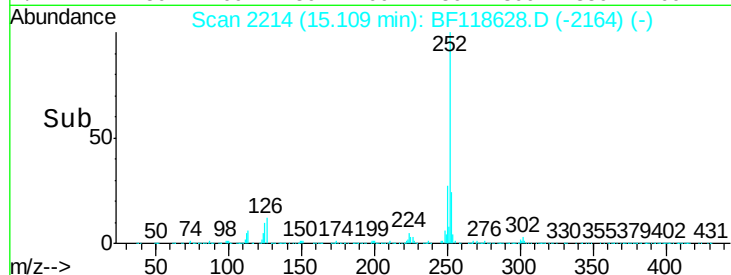
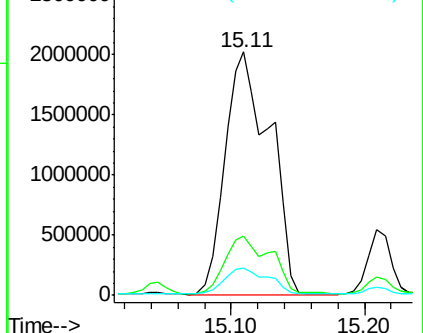
125 11.1 7.6 11.4



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



#90

Benzo(a)pyrene

Concen: 49.451 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

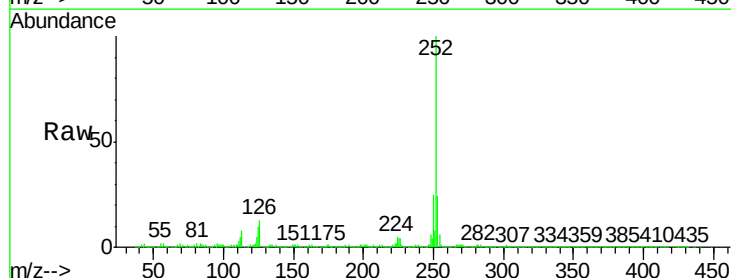
Tgt Ion:252 Resp: 2452595

Ion Ratio Lower Upper

252 100

253 24.3 18.8 28.2

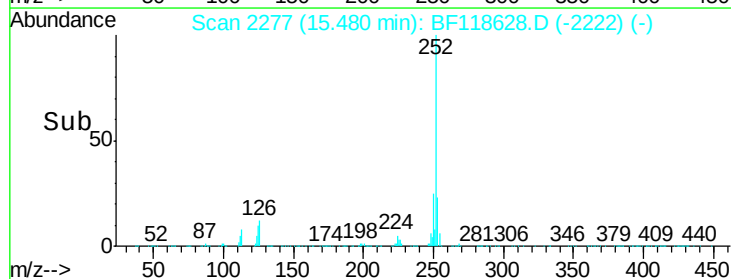
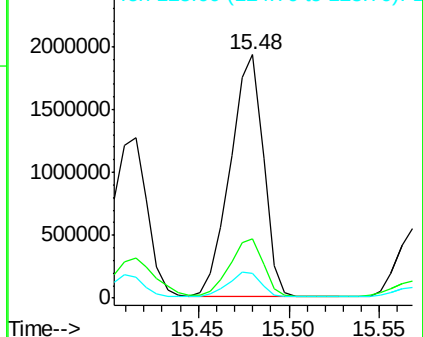
125 10.2 7.8 11.6

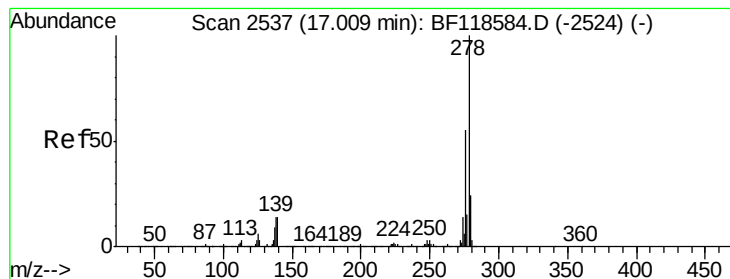


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 5.990 ng

RT: 17.20 min Scan# 2569

Delta R.T. 0.19 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

Instrument :

BNA_F

ClientSampleId :

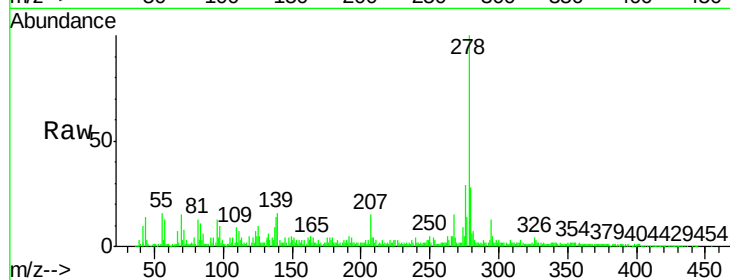
Tot Ion:278 Resp: 262797

Ion Ratio Lower Upper

278 100

139 16.0 11.4 17.0

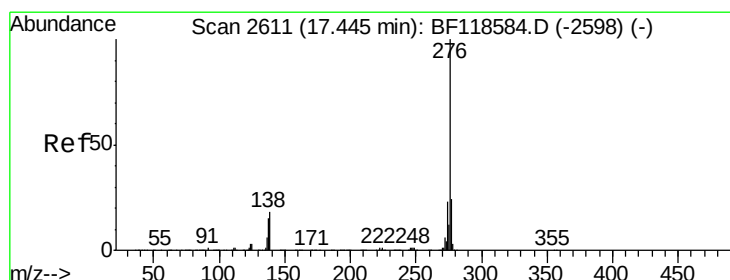
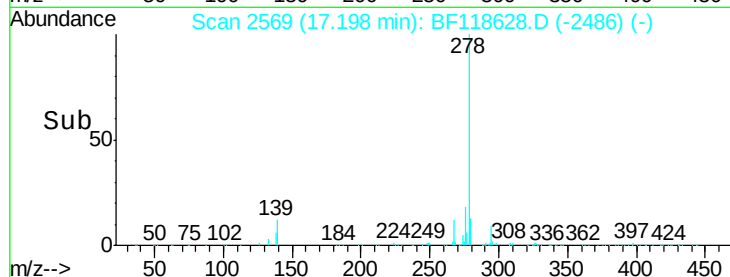
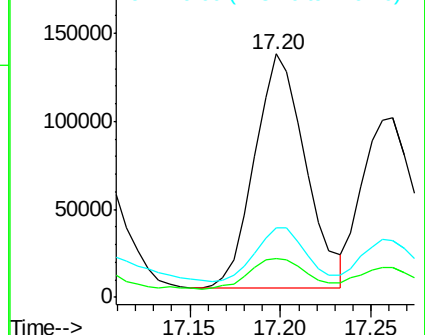
279 28.4 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 23.994 ng

RT: 17.47 min Scan# 2616

Delta R.T. 0.03 min

Lab File: BF118628.D

Acq: 21 Jan 2020 9:55

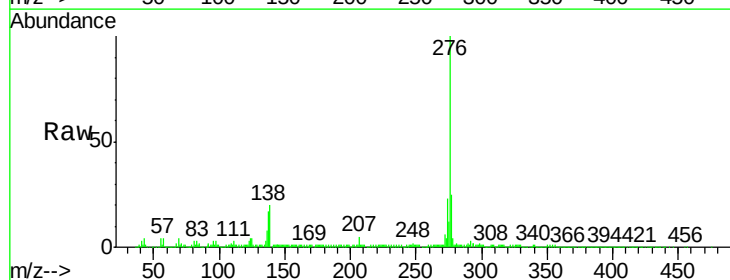
Tgt Ion:276 Resp: 1022082

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 19.6 14.4 21.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

