

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072020\
 Data File : BF120938.D
 Acq On : 20 Jul 2020 17:42
 Operator : JU/CG
 Sample : L3329-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PW-2R

Quant Time: Jul 20 18:31:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	187789	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	708342	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	367058	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	686733	20.00	ng	0.00
76) Chrysene-d12	13.97	240	584261	20.00	ng	0.00
86) Perylene-d12	15.42	264	461138	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	619196	54.05	ng	0.00
7) Phenol-d6	6.44	99	496538	33.56	ng	0.00
23) Nitrobenzene-d5	7.38	82	947041	77.36	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	469967	116.97	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1638570	66.65	ng	0.00
79) Terphenyl-d14	12.93	244	1769230	65.83	ng	0.01

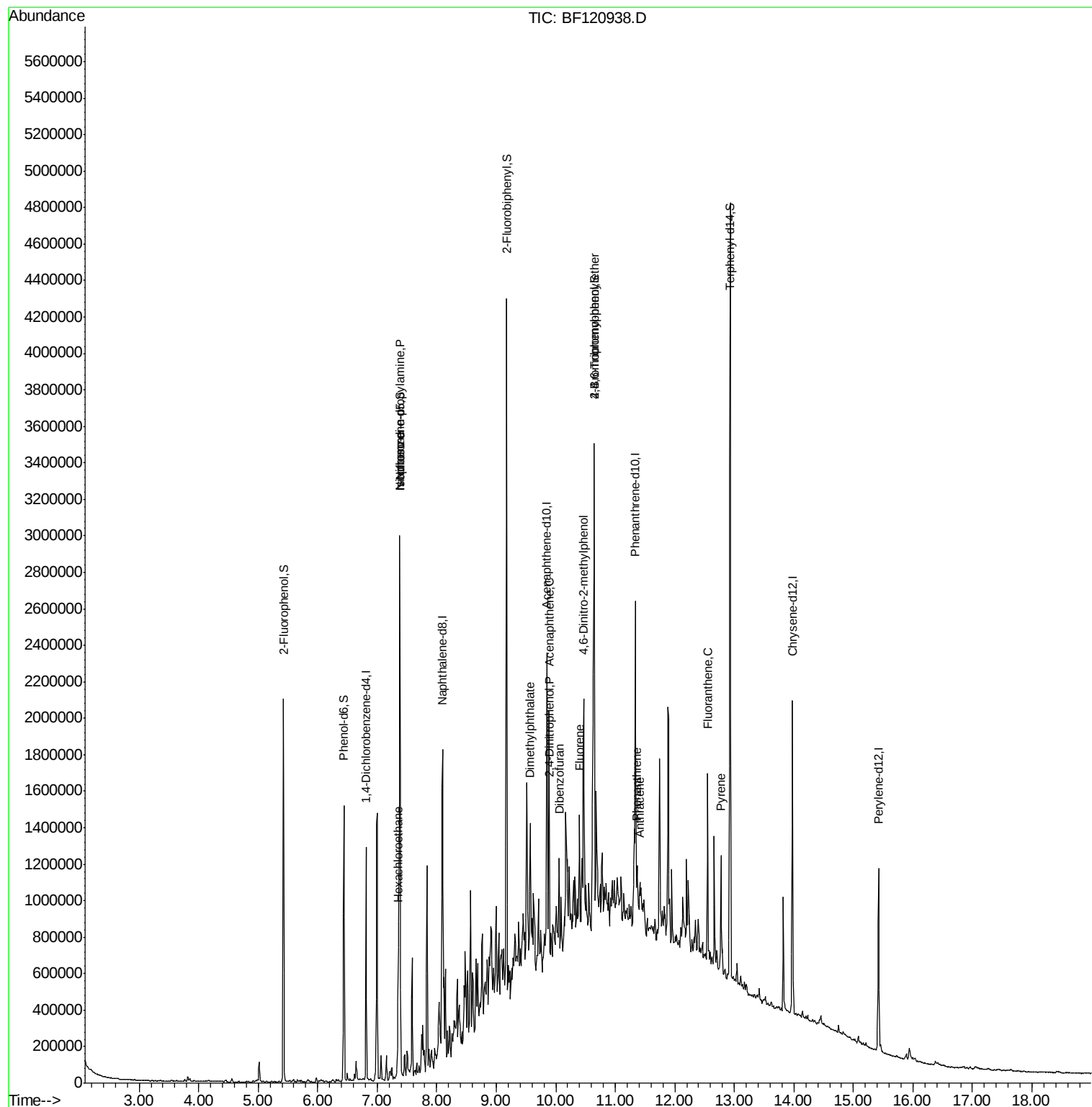
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	559	Below Cal	#	72
18) Hexachloroethane	7.35	117	74889	15.207	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	130113	15.464	ng	# 77
25) Isophorone	7.38	82	935817	38.303	ng	# 63
50) Dimethylphthalate	9.57	163	247319	9.340	ng	97
52) Acenaphthene	9.89	154	279686	12.405	ng	100
54) 2,4-Dinitrophenol	9.90	184	470	6.965	ng	# 1
55) Dibenzofuran	10.06	168	105062	3.222	ng	# 92
58) Fluorene	10.40	166	193983	7.977	ng	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	2481	4.417	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	27432	3.583	ng	# 1
71) Phenanthrene	11.36	178	76969	2.179	ng	94
72) Anthracene	11.41	178	94294	2.659	ng	94
75) Fluoranthene	12.55	202	377449	9.642	ng	98
78) Pyrene	12.78	202	263980	6.391	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF120938.D

Acq: 20 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

PW-2R

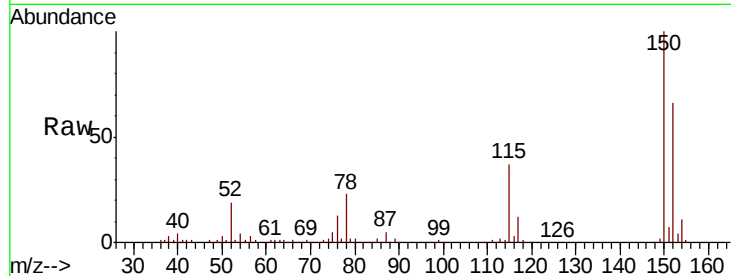
Tot Ion:152 Resp: 187789

Ion Ratio Lower Upper

152 100

150 152.4 125.0 187.6

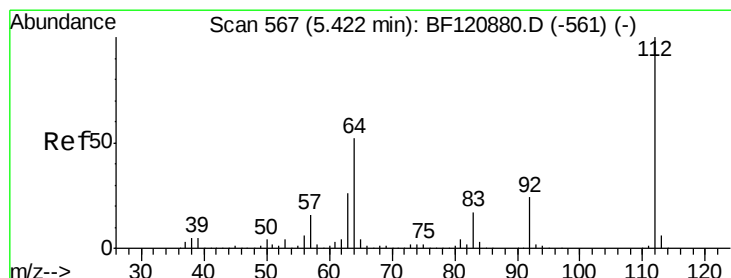
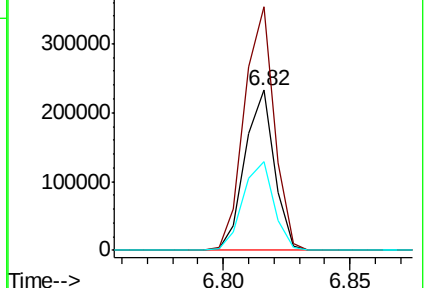
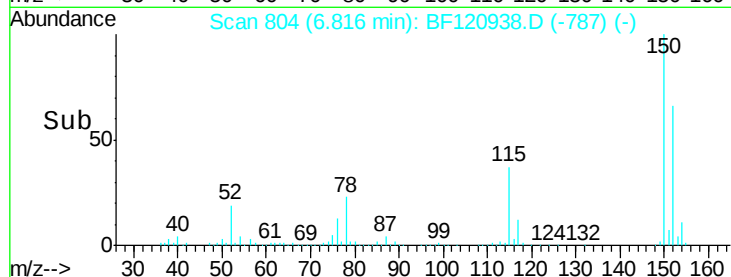
115 55.7 47.0 70.4



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: 54.054 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF120938.D

Acq: 20 Jul 2020 17:42

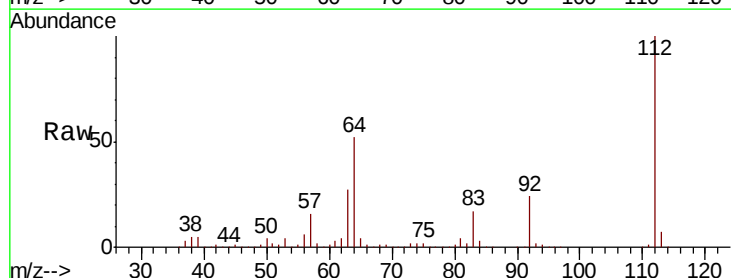
Tgt Ion:112 Resp: 619196

Ion Ratio Lower Upper

112 100

64 52.1 41.3 61.9

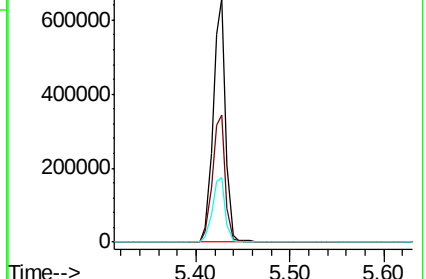
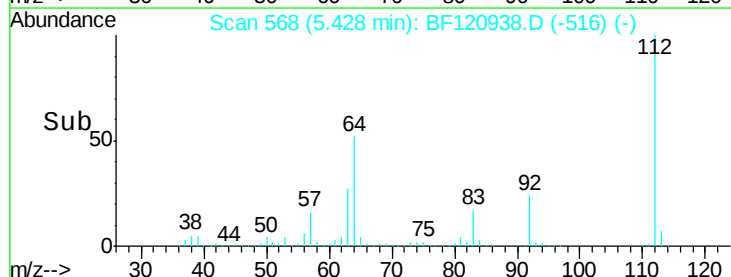
63 26.6 21.1 31.7



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: 33.557 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120938.D

Acq: 20 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

PW-2R

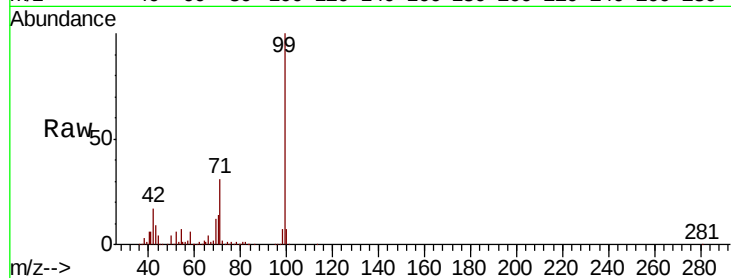
Tot Ion: 99 Resp: 496538

Ion Ratio Lower Upper

99 100

42 17.2 13.1 19.7

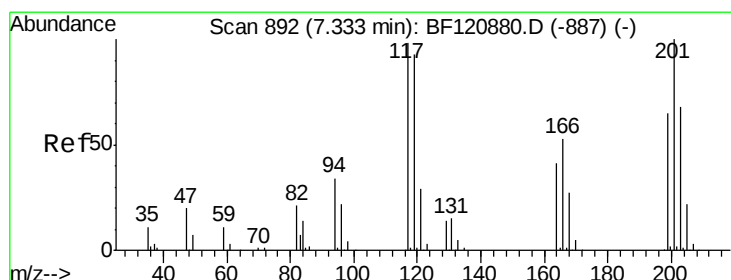
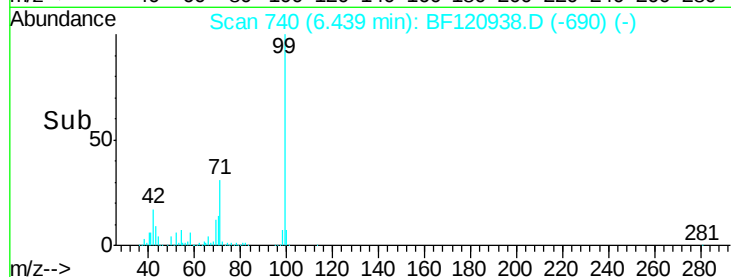
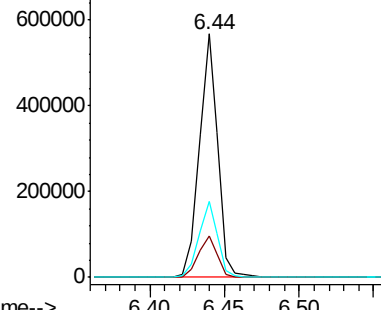
71 31.1 24.2 36.4



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



#18

Hexachloroethane

Concen: 15.207 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.02 min

Lab File: BF120938.D

Acq: 20 Jul 2020 17:42

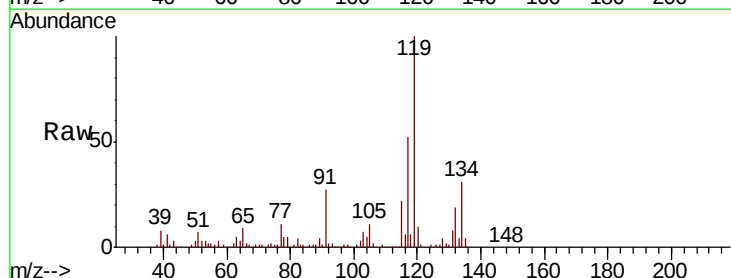
Tgt Ion: 117 Resp: 74889

Ion Ratio Lower Upper

117 100

119 192.6 76.0 114.0#

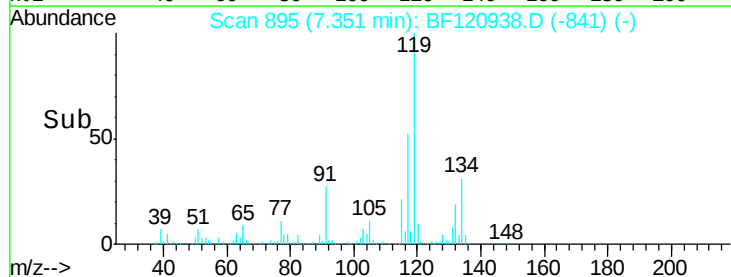
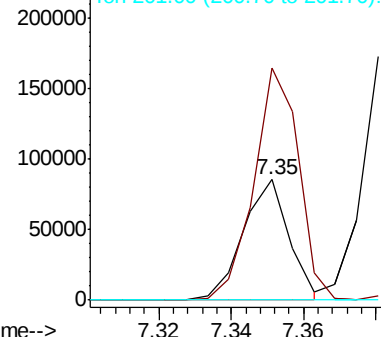
201 0.0 81.7 122.5#

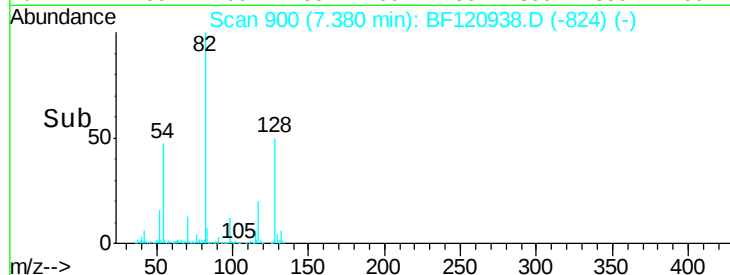
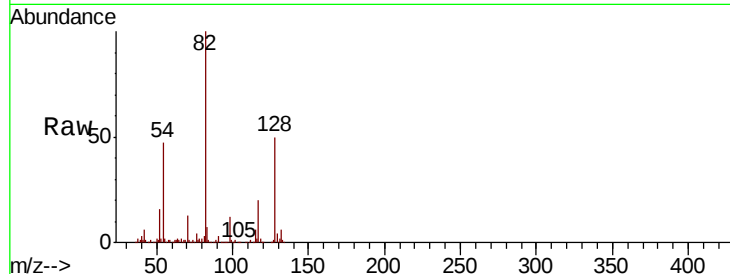
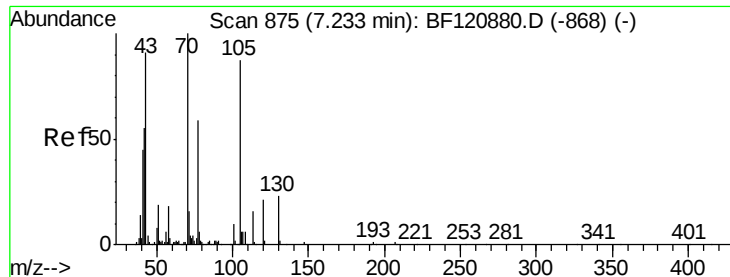


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

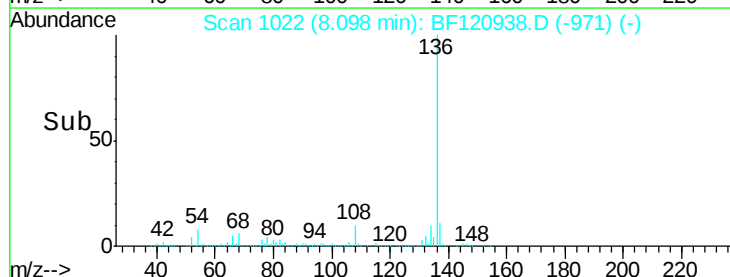
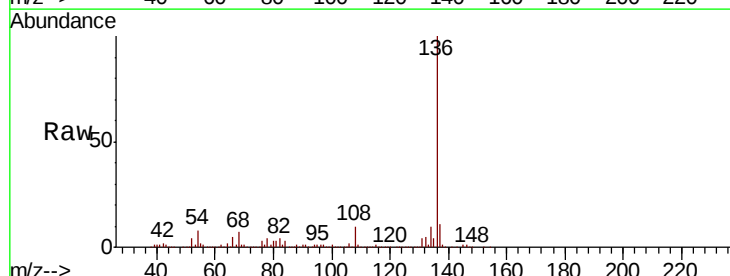
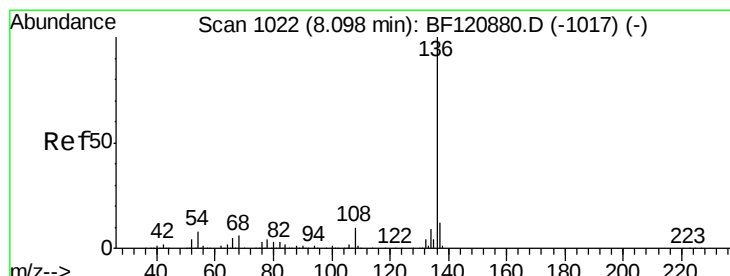
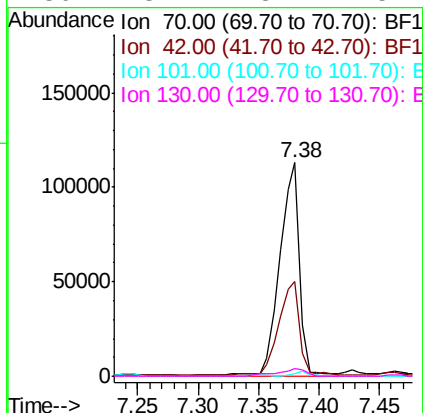




#19
n-Nitroso-di-n-propylamine
Concen: 15.464 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

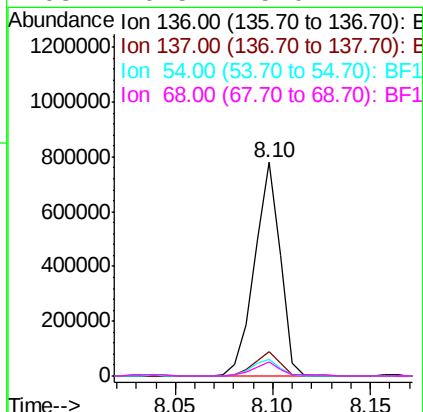
Instrument :
BNA_F
ClientSampleId :
PW-2R

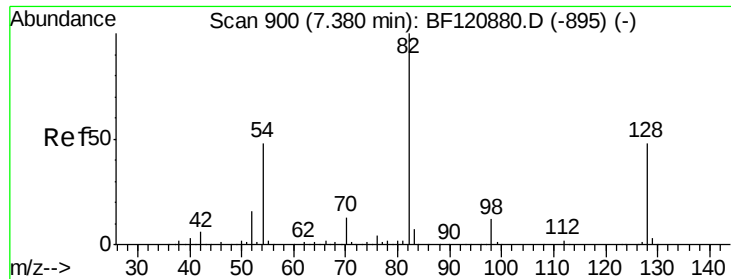
Tot Ion:	70	Resp:	130113
Ion	Ratio	Lower	Upper
70	100		
42	44.5	44.0	66.0
101	1.1	7.8	11.6#
130	3.4	18.7	28.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:	136	Resp:	708342
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	8.1	6.3	9.5
68	6.5	5.0	7.4

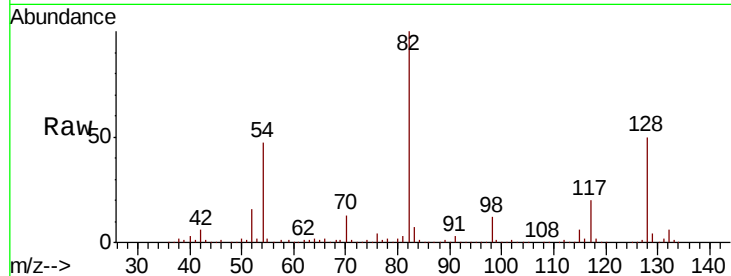




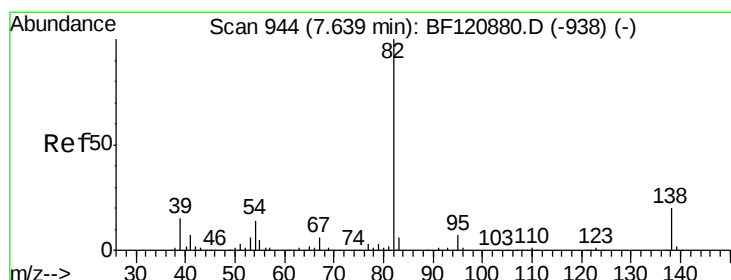
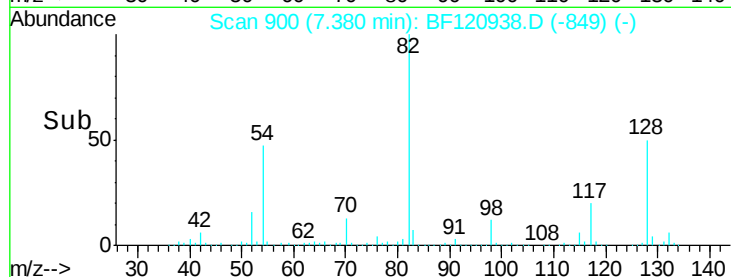
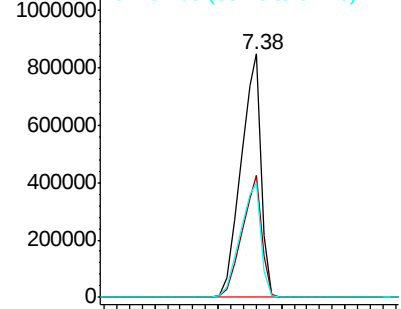
#23
Nitrobenzene-d5
Concen: 77.362 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Instrument :
BNA_F
ClientSampleId :
PW-2R

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	38.2	57.4
54	47.0	38.7	58.1

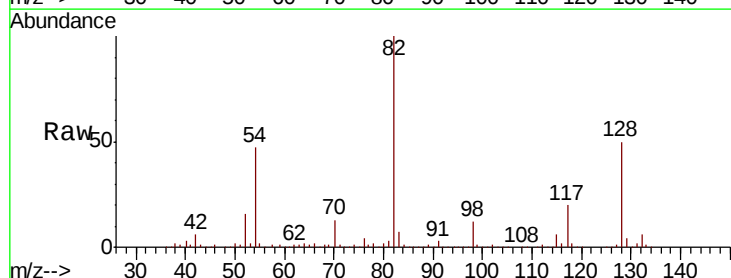


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

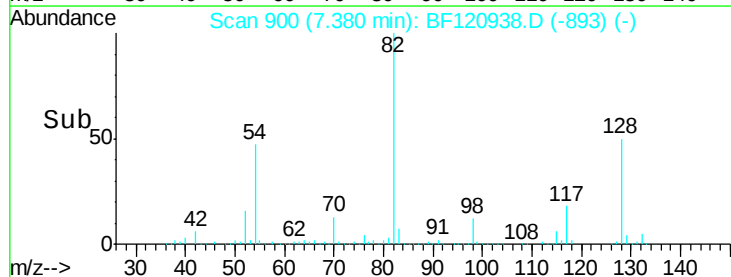
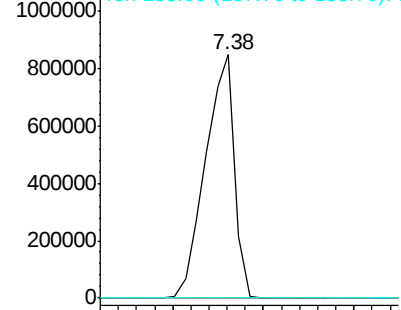


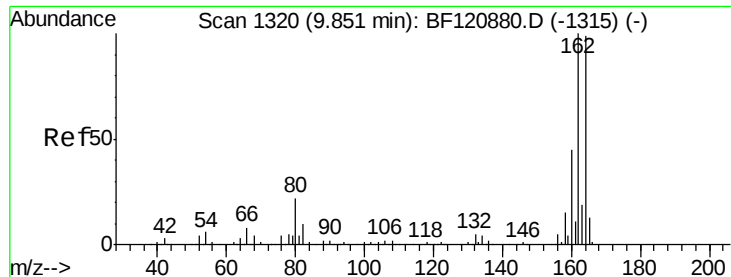
#25
Isophorone
Concen: 38.303 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.5	8.3#
138	0.0	15.6	23.4#



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

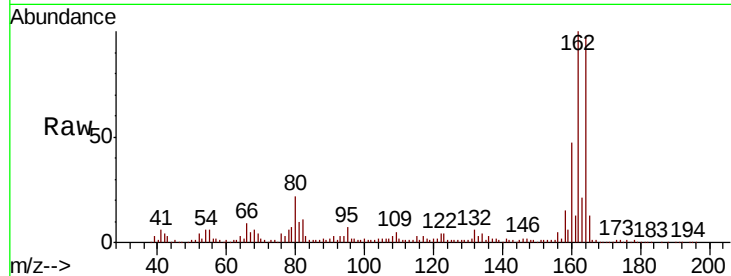




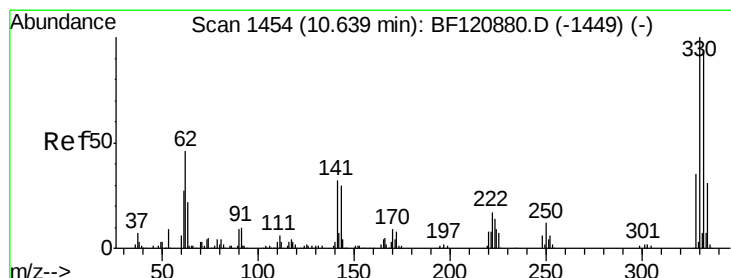
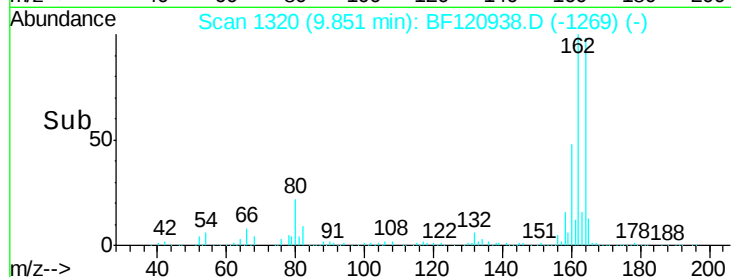
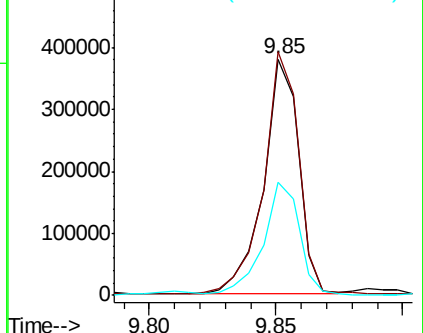
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Instrument :
BNA_F
ClientSampleId :
PW-2R

Tot Ion:164 Resp: 367058
Ion Ratio Lower Upper
164 100
162 103.0 81.2 121.8
160 48.1 36.9 55.3

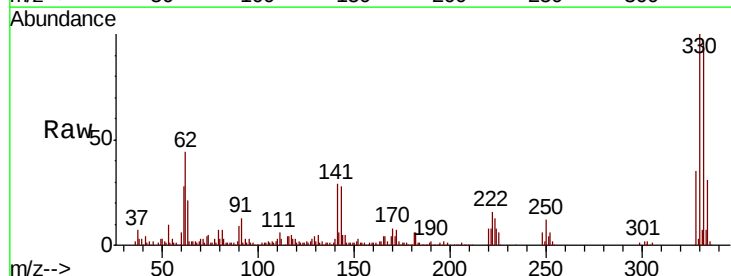


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

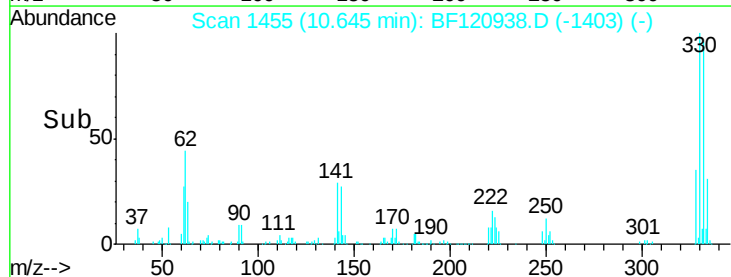
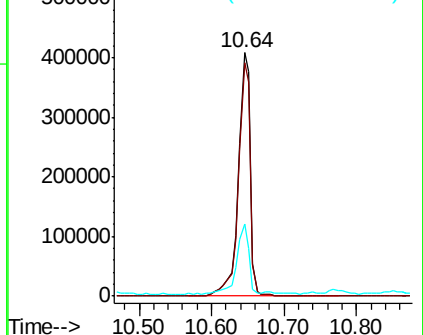


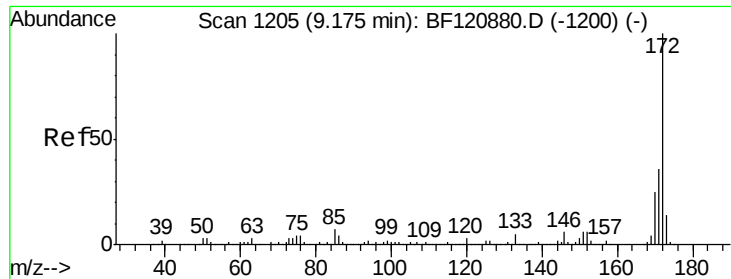
#42
2,4,6-Tribromophenol
Concen: 116.971 ng
RT: 10.64 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:330 Resp: 469967
Ion Ratio Lower Upper
330 100
332 95.6 75.5 113.3
141 28.4 25.7 38.5



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

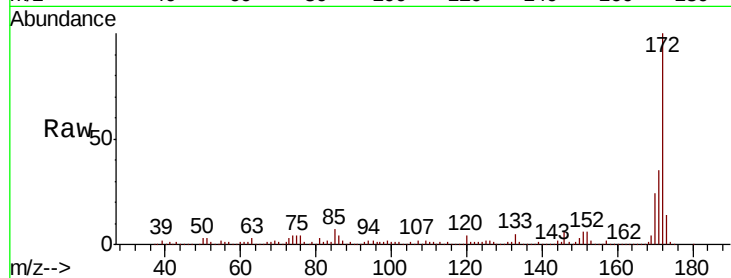




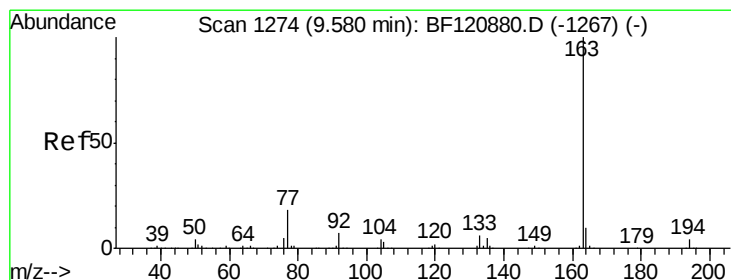
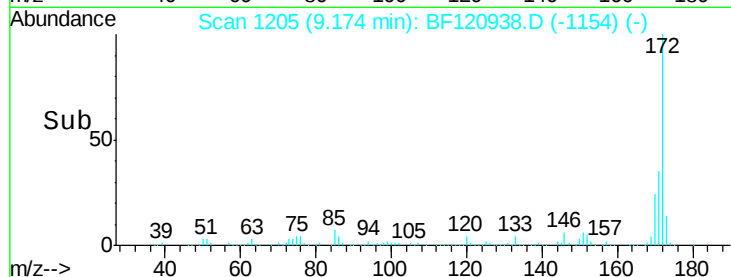
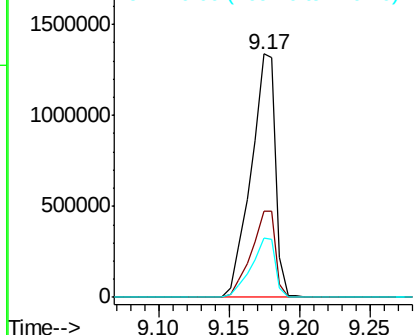
#45
2-Fluorobiphenyl
Concen: 66.650 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Instrument :
BNA_F
ClientSampleId :
PW-2R

Tot Ion:172 Resp: 1638570
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 24.2 19.6 29.4

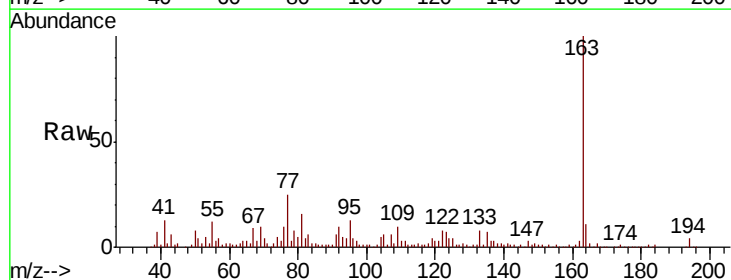


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

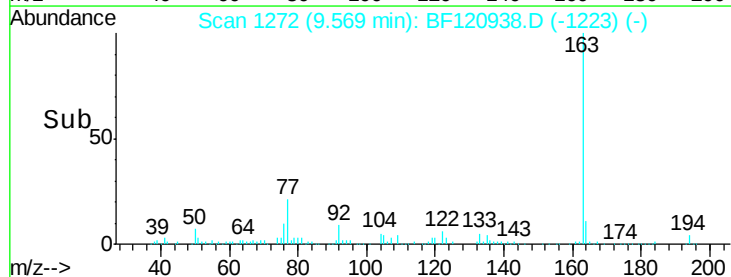
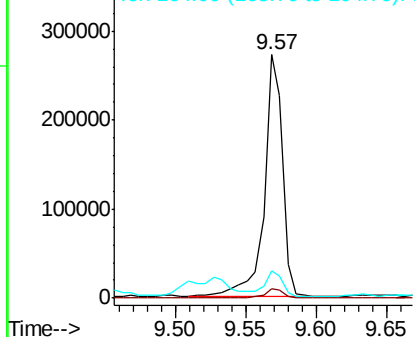


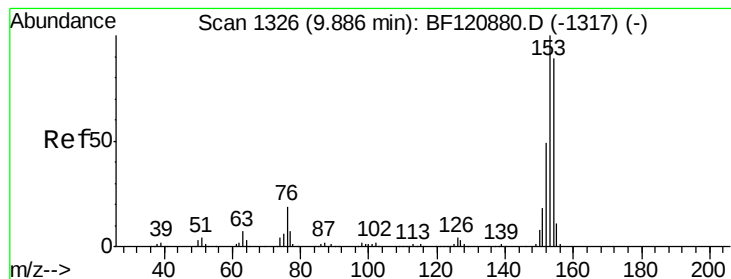
#50
Dimethylphthalate
Concen: 9.340 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:163 Resp: 247319
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 11.4 7.9 11.9



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





#52

Acenaphthene

Concen: 12.405 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF120938.D

Acq: 20 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

PW-2R

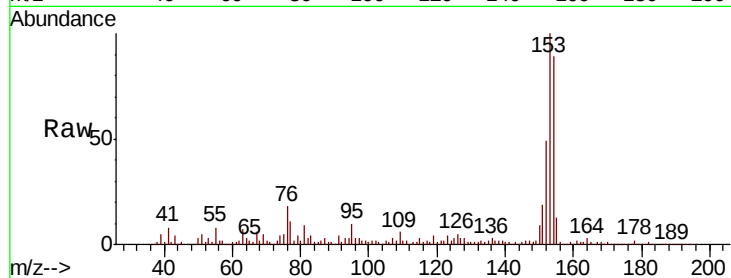
Tot Ion:154 Resp: 279686

Ion Ratio Lower Upper

154 100

153 111.9 89.5 134.3

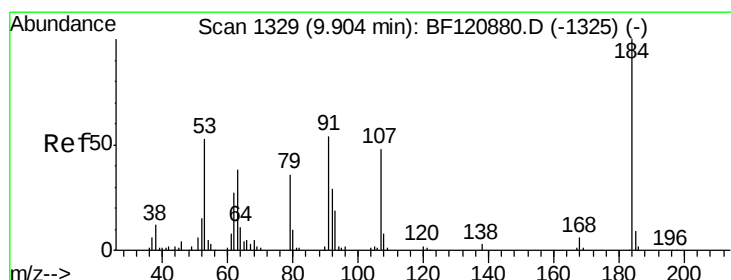
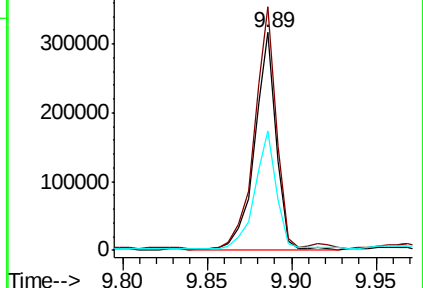
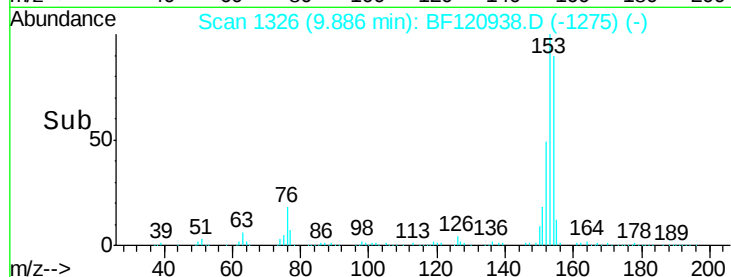
152 54.8 44.2 66.2



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



#54

2,4-Dinitrophenol

Concen: 6.965 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF120938.D

Acq: 20 Jul 2020 17:42

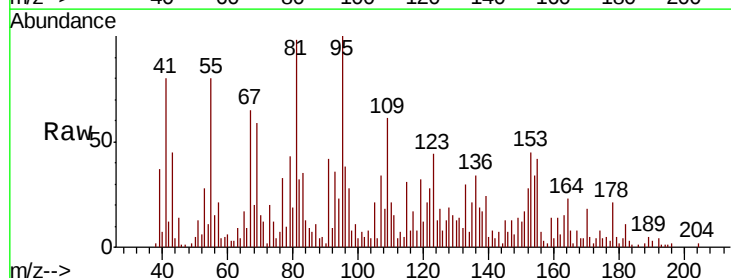
Tgt Ion:184 Resp: 470

Ion Ratio Lower Upper

184 100

63 847.3 57.9 86.9#

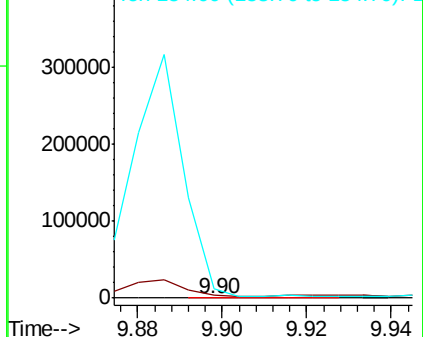
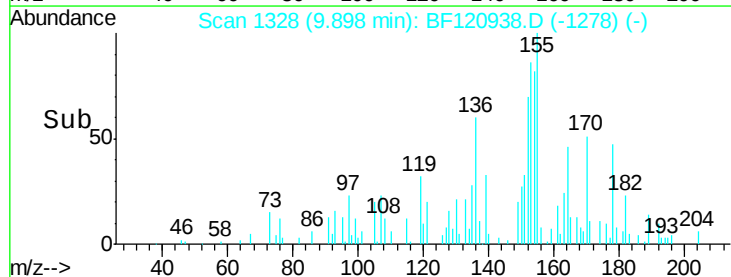
154 3234.2 52.6 78.8#

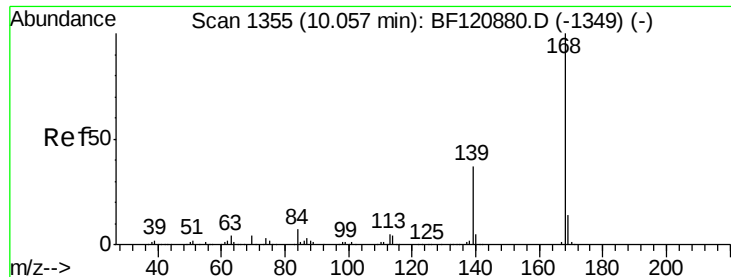


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

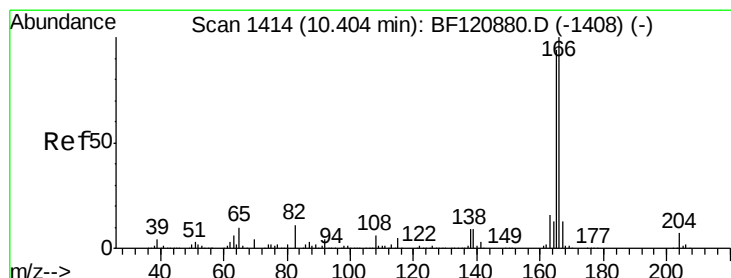
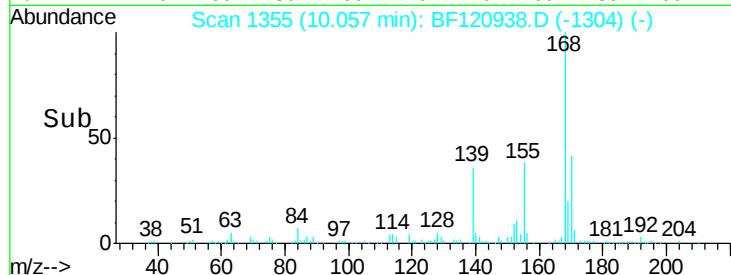
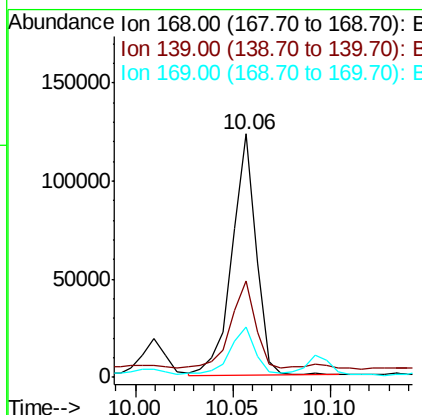
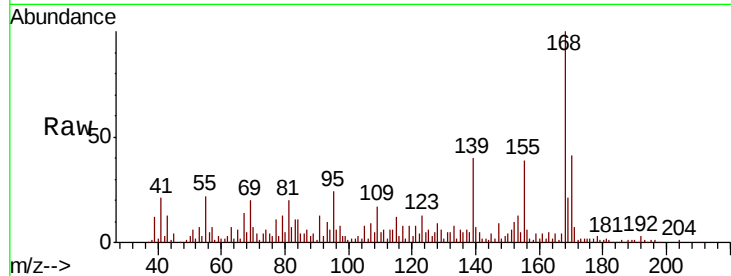




#55
Dibenzenofuran
Concen: 3.222 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

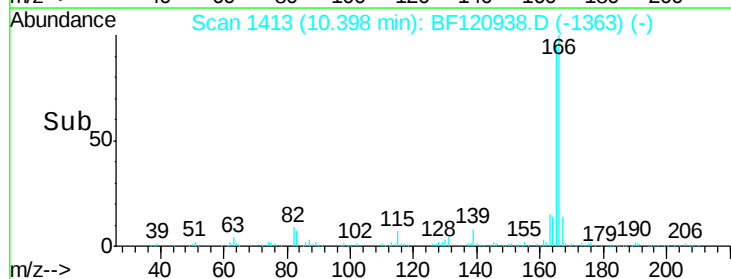
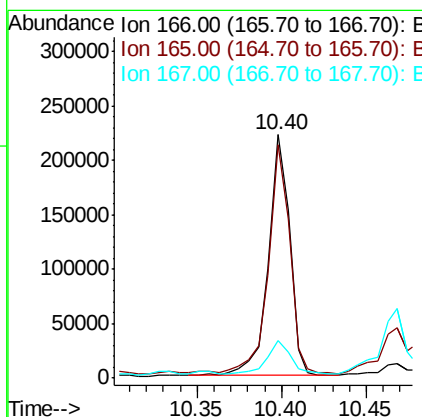
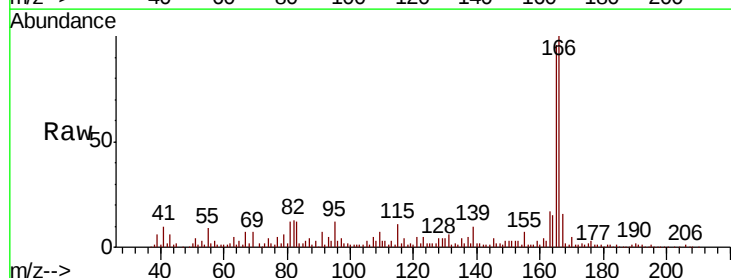
Instrument :
BNA_F
ClientSampleId :
PW-2R

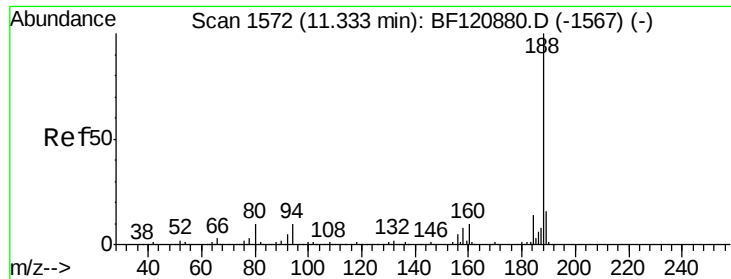
Tot Ion:168 Resp: 105062
Ion Ratio Lower Upper
168 100
139 39.8 29.7 44.5
169 20.7 11.1 16.7#



#58
Fluorene
Concen: 7.977 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:166 Resp: 193983
Ion Ratio Lower Upper
166 100
165 95.8 75.4 113.0
167 15.5 10.6 15.8

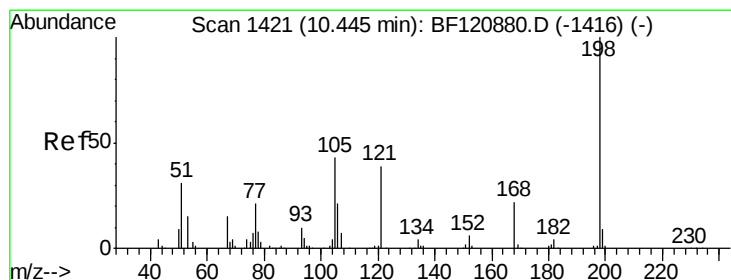
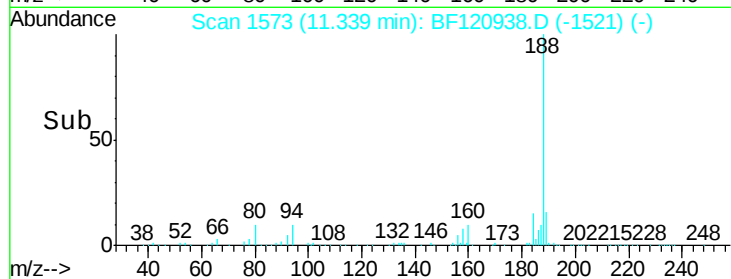
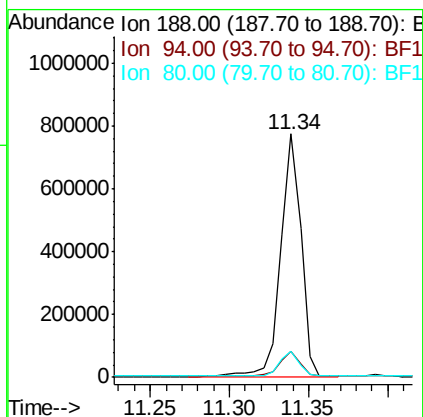
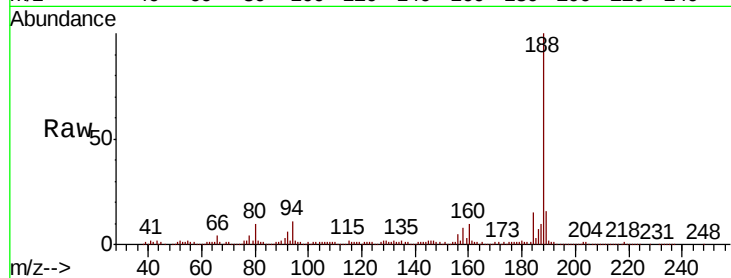




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

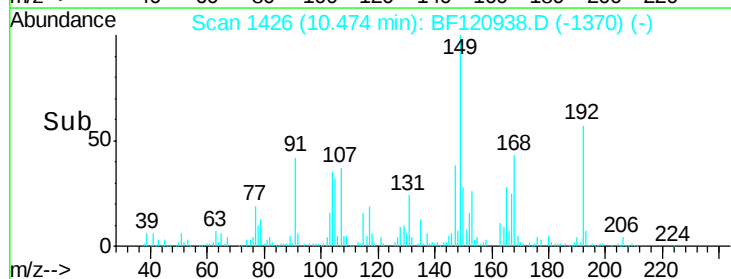
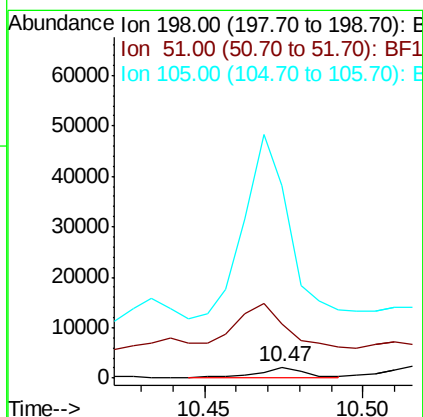
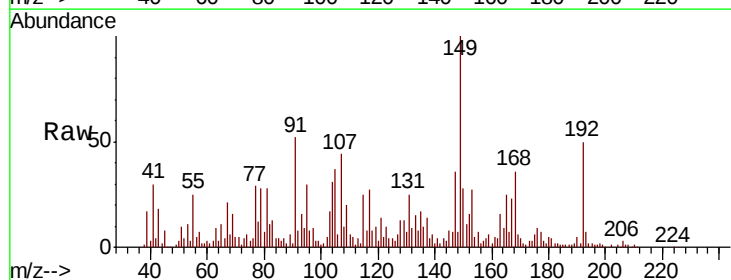
Instrument :
BNA_F
ClientSampleId :
PW-2R

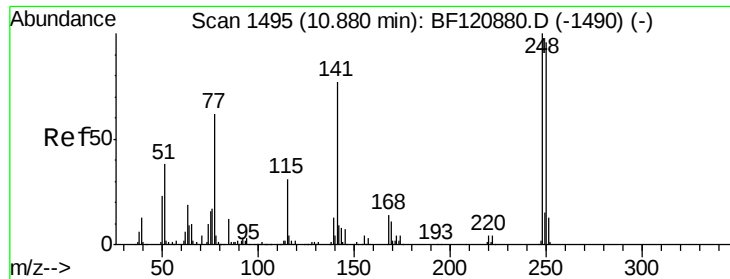
Tot Ion:188 Resp: 686733
Ion Ratio Lower Upper
188 100
94 10.6 8.0 12.0
80 10.5 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 4.417 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.03 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:198 Resp: 2481
Ion Ratio Lower Upper
198 100
51 494.2 19.5 59.5#
105 1752.8 24.4 64.4#

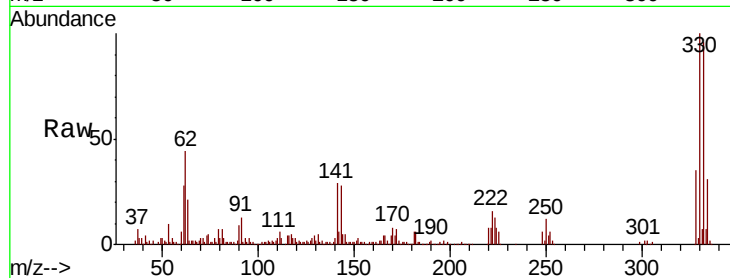




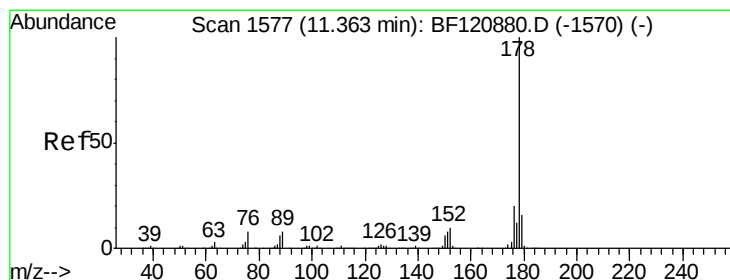
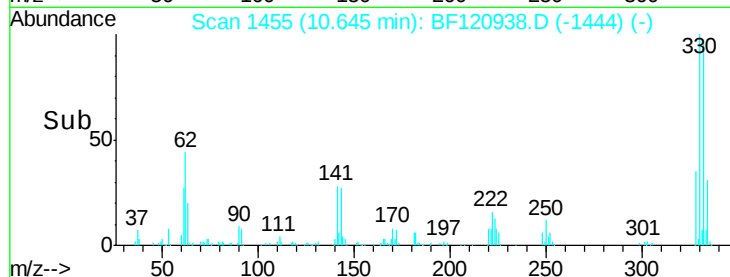
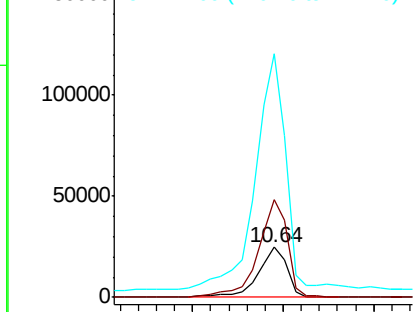
#67
4-Bromophenyl-phenylether
Concen: 3.583 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Instrument :
BNA_F
ClientSampleId :
PW-2R

Tot Ion:248 Resp: 27432
Ion Ratio Lower Upper
248 100
250 194.8 77.1 115.7#
141 488.6 61.2 91.8#

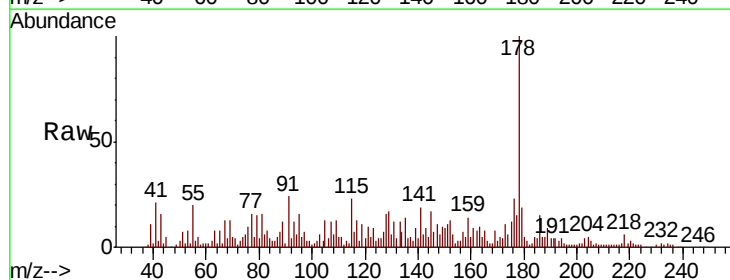


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

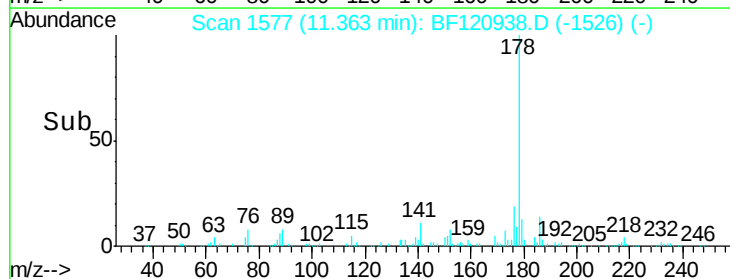
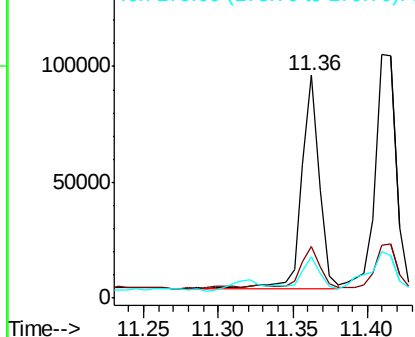


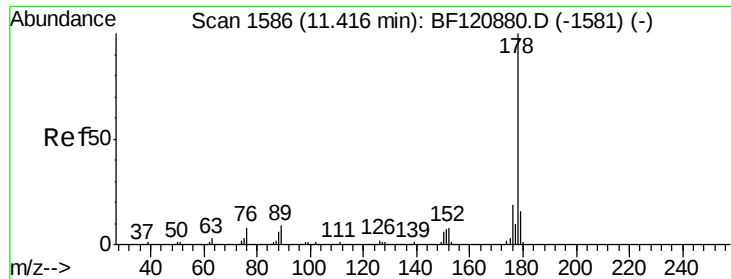
#71
Phenanthrene
Concen: 2.179 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:178 Resp: 76969
Ion Ratio Lower Upper
178 100
176 23.3 16.2 24.4
179 18.7 12.8 19.2



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

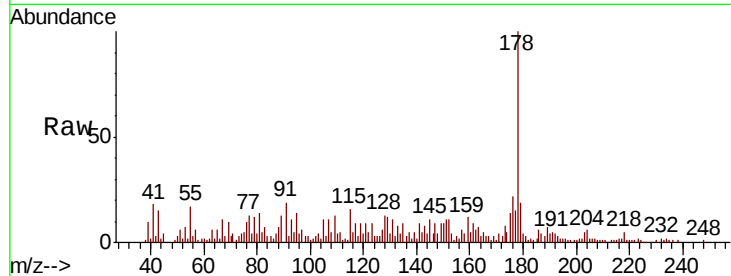




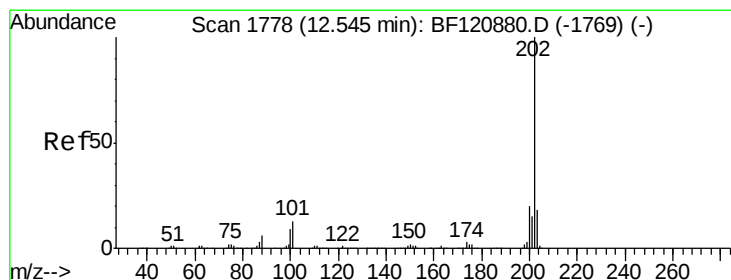
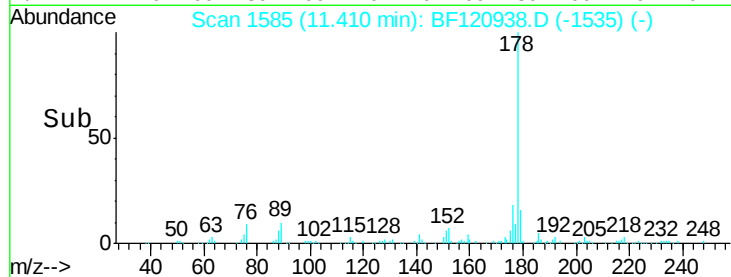
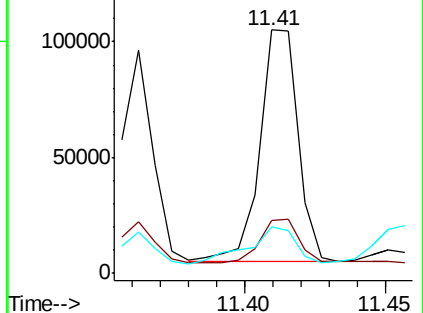
#72
 Anthracene
 Concen: 2.659 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF120938.D
 Acq: 20 Jul 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 PW-2R

Tot Ion:178 Resp: 94294
 Ion Ratio Lower Upper
 178 100
 176 21.9 15.5 23.3
 179 18.9 12.8 19.2

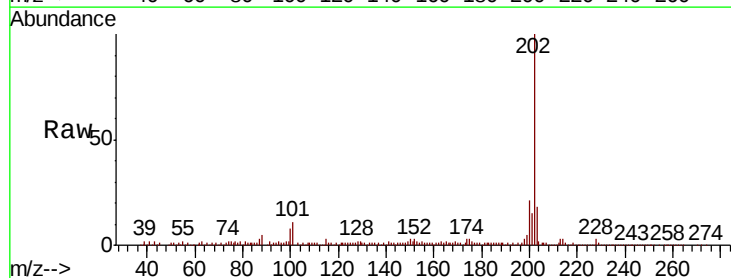


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

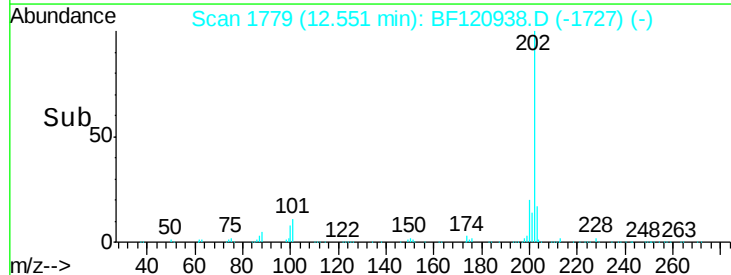
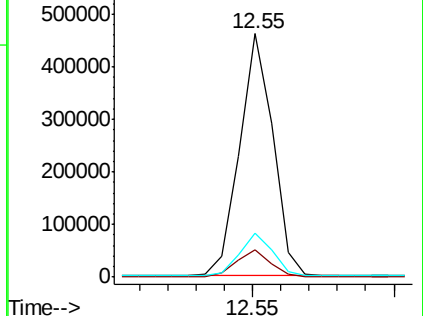


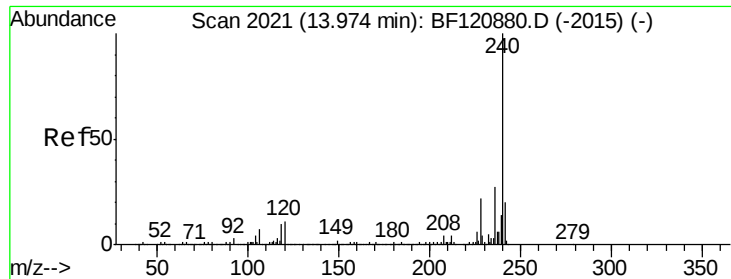
#75
 Fluoranthene
 Concen: 9.642 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF120938.D
 Acq: 20 Jul 2020 17:42

Tgt Ion:202 Resp: 377449
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.7
 203 17.8 0.0 38.0



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

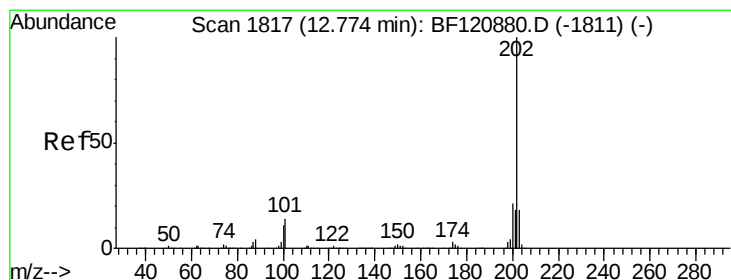
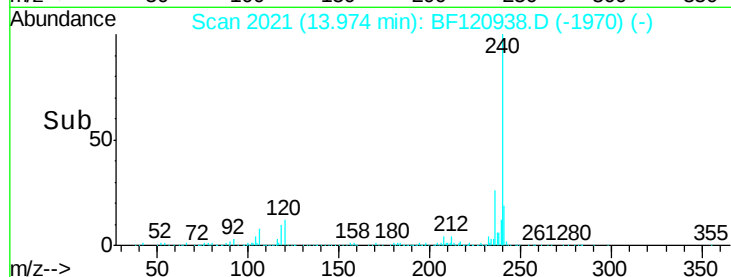
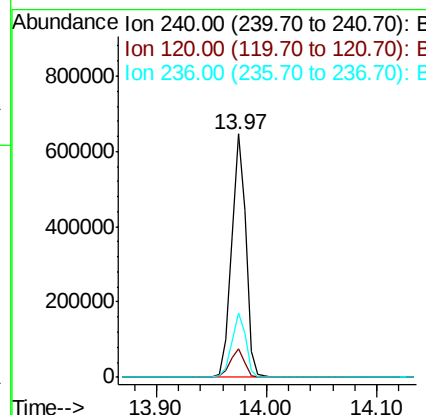
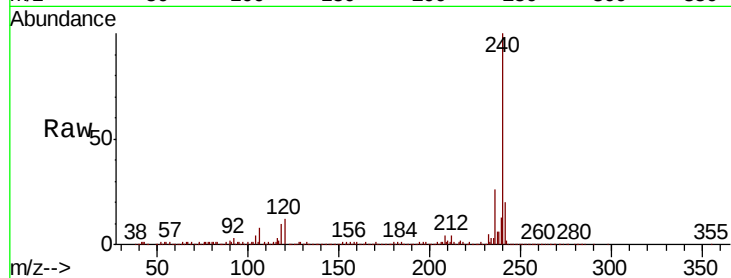




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

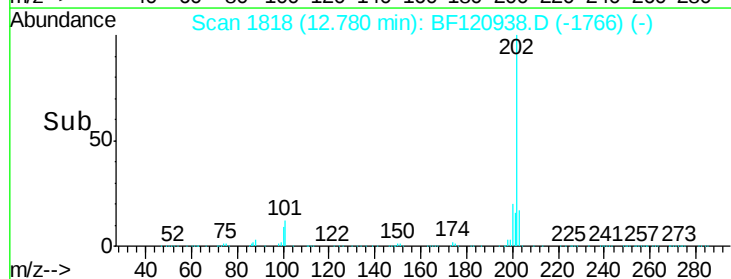
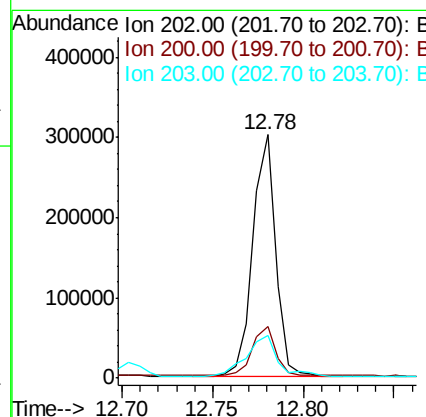
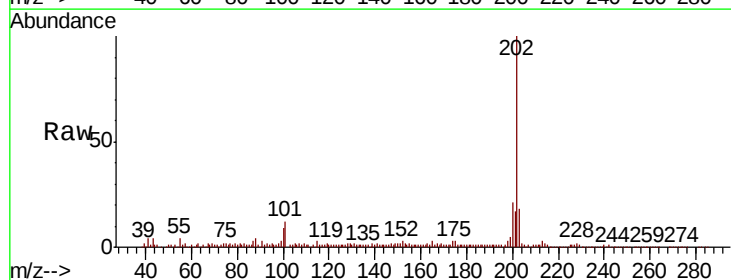
Instrument :
BNA_F
ClientSampleId :
PW-2R

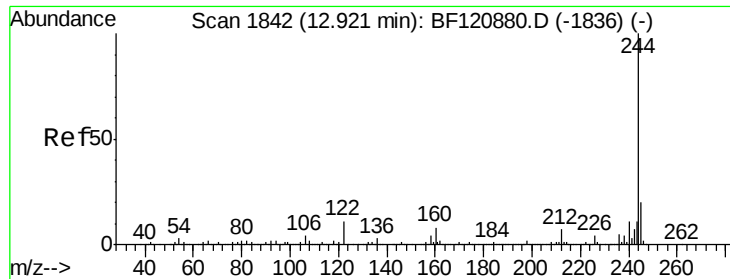
Tot Ion:240 Resp: 584261
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.4
236 26.5 21.7 32.5



#78
Pyrene
Concen: 6.391 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF120938.D
Acq: 20 Jul 2020 17:42

Tgt Ion:202 Resp: 263980
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.5 14.4 21.6

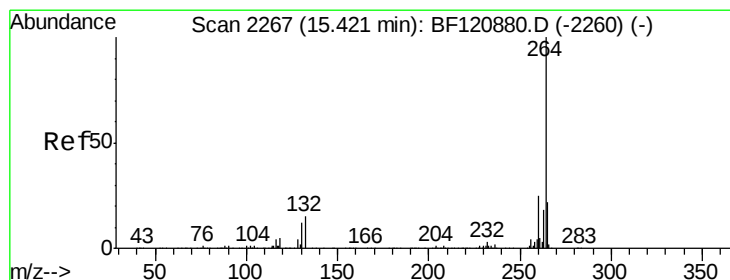
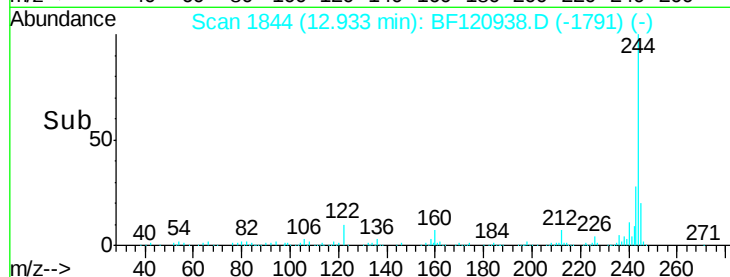
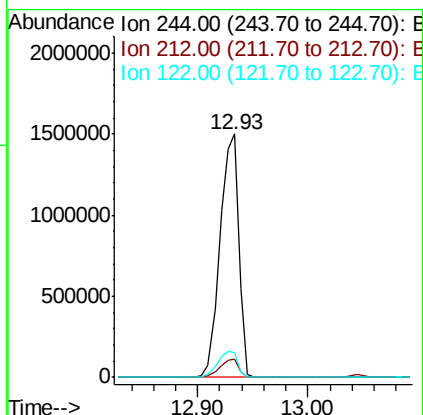
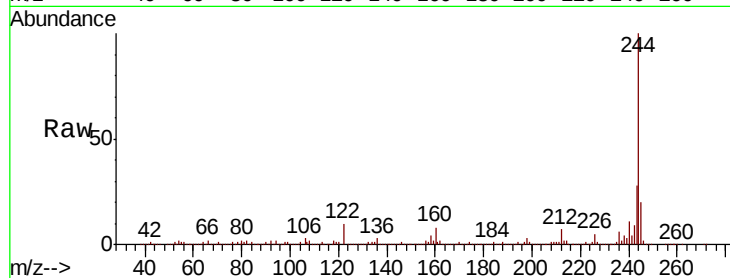




#79
 Terphenyl-d14
 Concen: 65.825 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF120938.D
 Acq: 20 Jul 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 PW-2R

Tot Ion:244 Resp: 1769230
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 10.2 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.00 min
 Lab File: BF120938.D
 Acq: 20 Jul 2020 17:42

Tgt Ion:264 Resp: 461138
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.0 30.0
 265 21.6 17.4 26.2

