

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100920\
 Data File : BF121905.D
 Acq On : 9 Oct 2020 14:38
 Operator : JU/CG
 Sample : L4332-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHELL-L15-L14

Quant Time: Oct 09 15:10:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	100218	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	383107	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	186817	20.00	ng	-0.02
64) Phenanthrene-d10	11.28	188	314217	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	232853	20.00	ng	-0.01
86) Perylene-d12	15.36	264	250241	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	595645	88.33	ng	0.00
7) Phenol-d6	6.40	99	755423	85.39	ng	-0.02
23) Nitrobenzene-d5	7.32	82	499269	69.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	195684	84.28	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	693765	56.24	ng	-0.02
79) Terphenyl-d14	12.86	244	516858	44.97	ng	-0.02

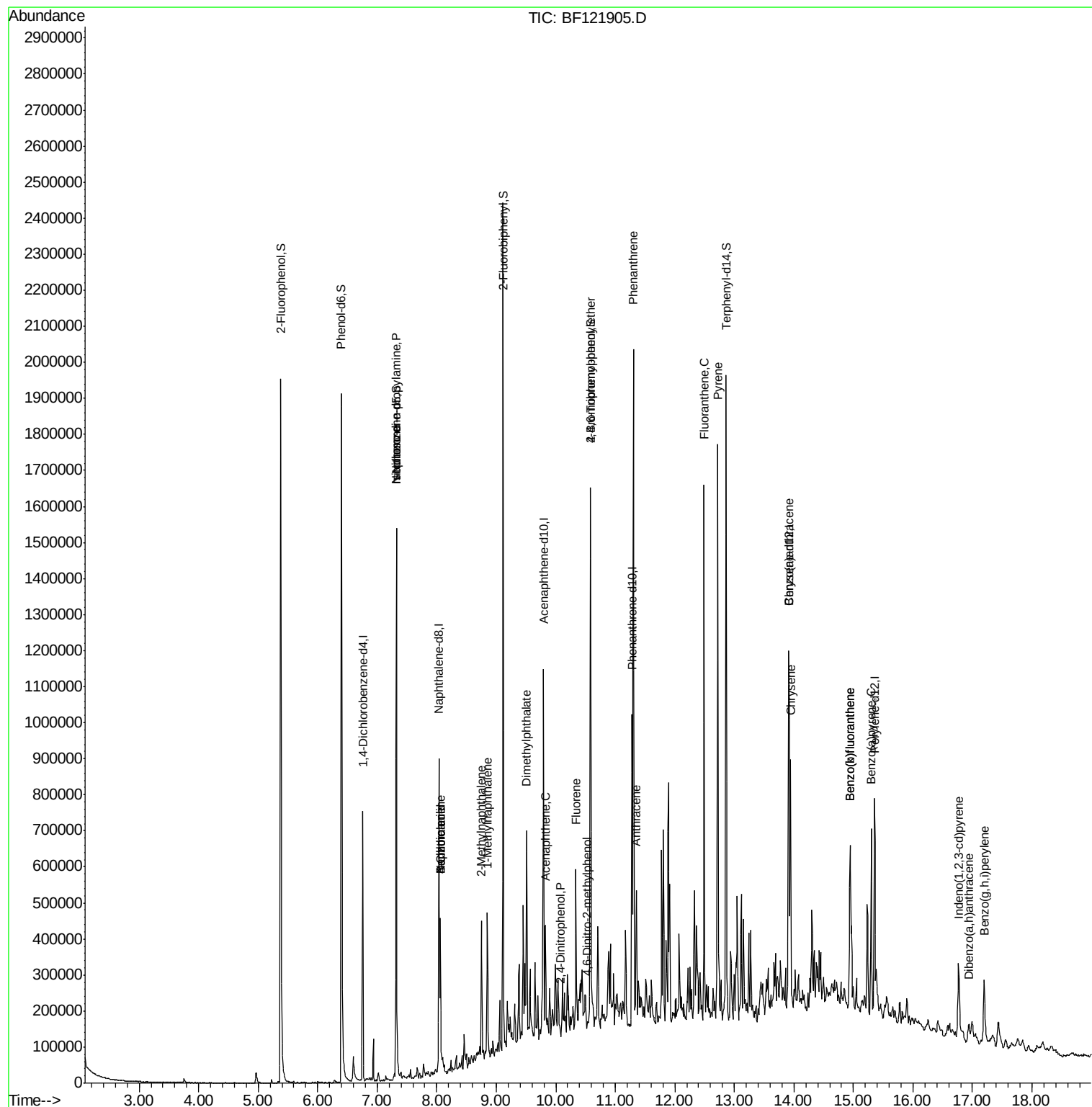
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.32	70	65496	12.845	ng	# 79
25) Isophorone	7.32	82	499269	34.760	ng	# 67
31) Naphthalene	8.06	128	186332	9.214	ng	99
32) Benzoic acid	8.06	122	456	7.017	ng	# 1
33) 4-Chloroaniline	8.06	127	24930	2.844	ng	# 32
37) 2-Methylnaphthalene	8.75	142	109033	8.227	ng	98
38) 1-Methylnaphthalene	8.85	142	102499	8.310	ng	99
50) Dimethylphthalate	9.51	163	163977	12.110	ng	100
52) Acenaphthene	9.82	154	59818	5.230	ng	100
54) 2,4-Dinitrophenol	10.08	184	419	9.271	ng	# 52
58) Fluorene	10.34	166	102265	8.302	ng	99
65) 4,6-Dinitro-2-methylphenol	10.53	198	241	6.959	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	11219	3.136	ng	# 1
71) Phenanthrene	11.30	178	627034	36.626	ng	99
72) Anthracene	11.36	178	147340	8.340	ng	98
75) Fluoranthene	12.49	202	524658	28.709	ng	100
78) Pyrene	12.72	202	624518	36.708	ng	99
81) Benzo(a)anthracene	13.91	228	256556	17.416	ng	97
83) Chrysene	13.94	228	269974	18.098	ng	98
87) Indeno(1,2,3-cd)pyrene	16.77	276	133277	8.178	ng	95
88) Benzo(b)fluoranthene	14.94	252	328697	19.648	ng	# 97
89) Benzo(k)fluoranthene	14.94	252	328697	21.456	ng	# 97
90) Benzo(a)pyrene	15.30	252	234504	16.491	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	32104	2.367	ng	93
92) Benzo(g,h,i)perylene	17.20	276	139045	10.427	ng	99

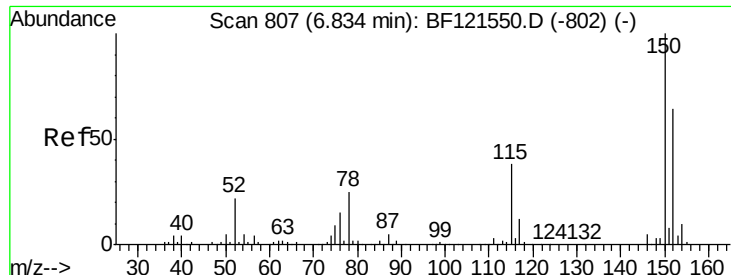
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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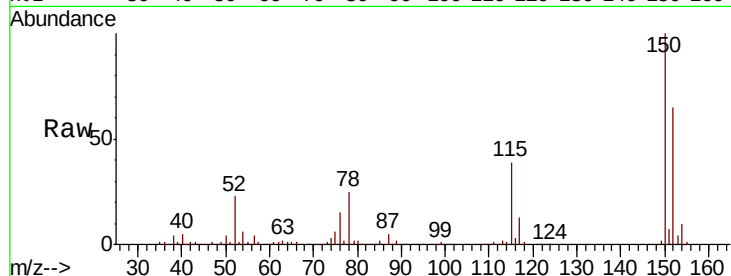


#1

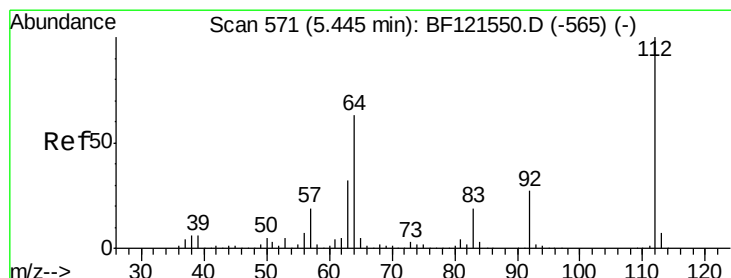
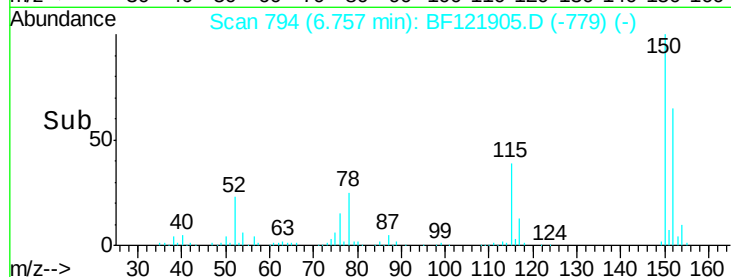
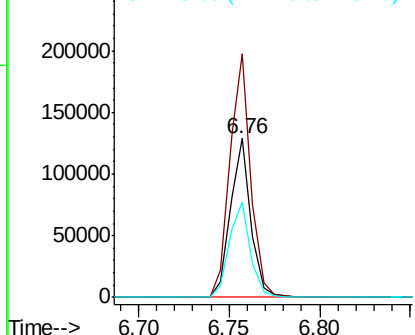
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

Tot Ion:152 Resp: 100218
Ion Ratio Lower Upper
152 100
150 153.5 125.3 187.9
115 59.8 51.9 77.9



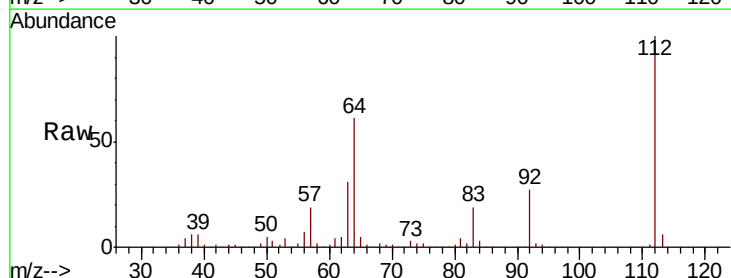
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



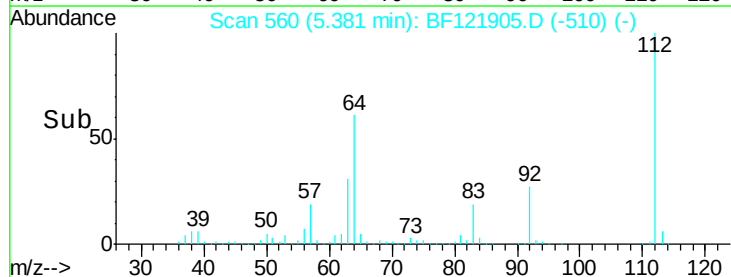
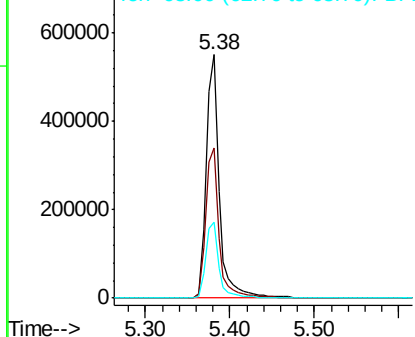
#5

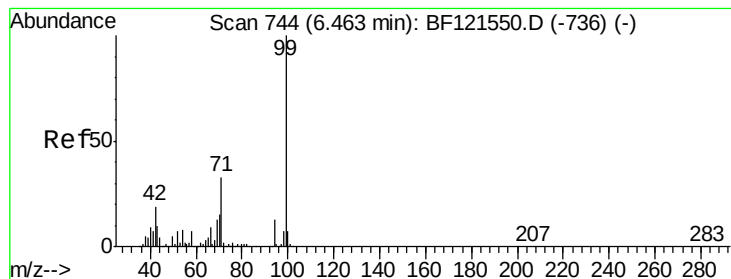
2-Fluorophenol
Concen: 88.328 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:112 Resp: 595645
Ion Ratio Lower Upper
112 100
64 61.5 50.4 75.6
63 31.3 25.8 38.6



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: 85.386 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

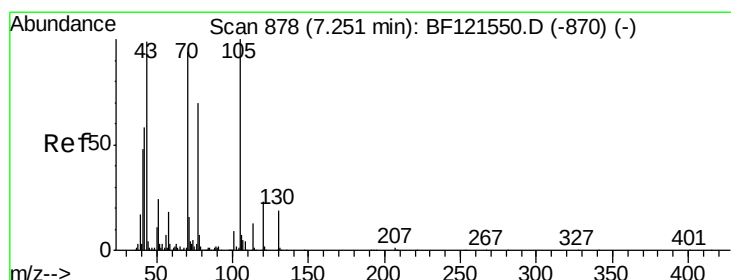
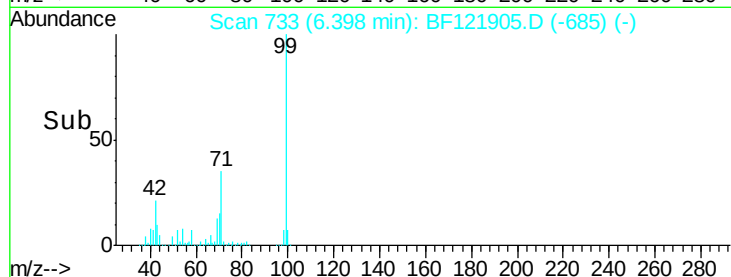
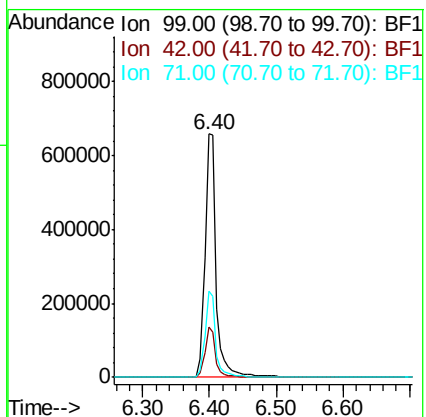
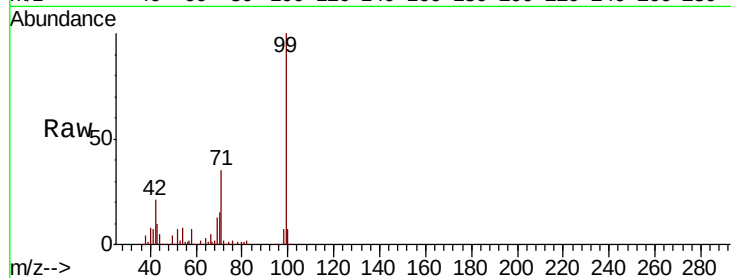
Tot Ion: 99 Resp: 755423

Ion Ratio Lower Upper

99 100

42 20.7 15.9 23.9

71 35.4 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.845 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Tgt Ion: 70 Resp: 65496

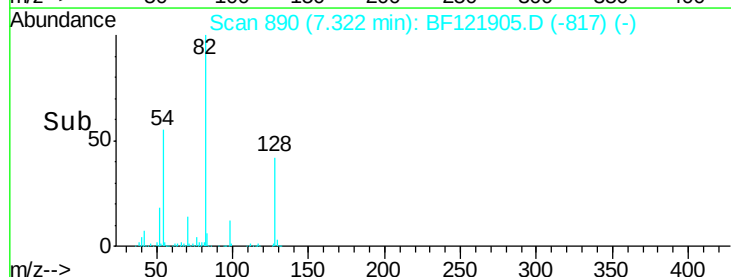
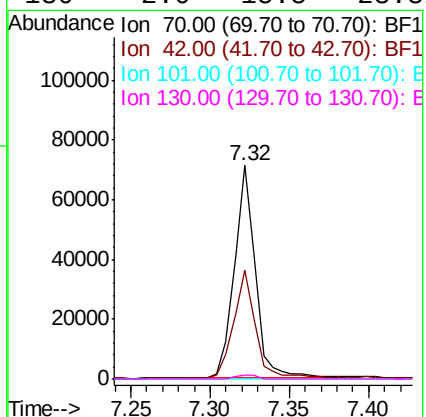
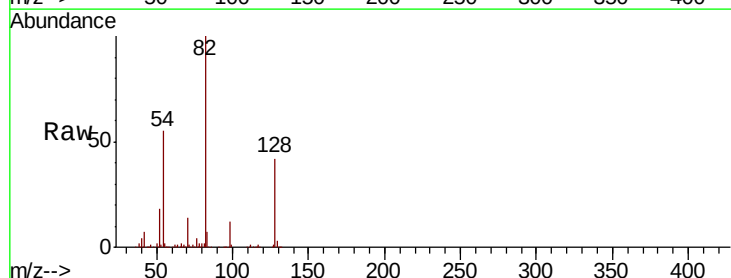
Ion Ratio Lower Upper

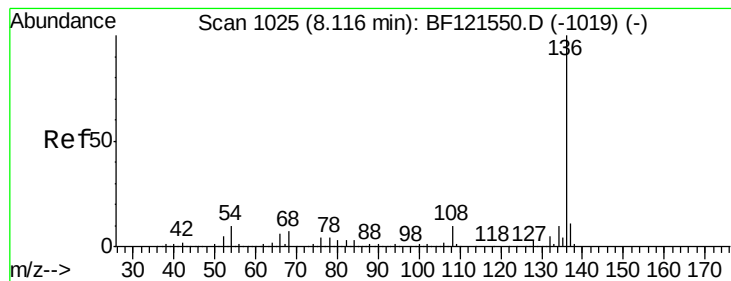
70 100

42 51.0 50.2 75.4

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

Tot Ion:136 Resp: 383107

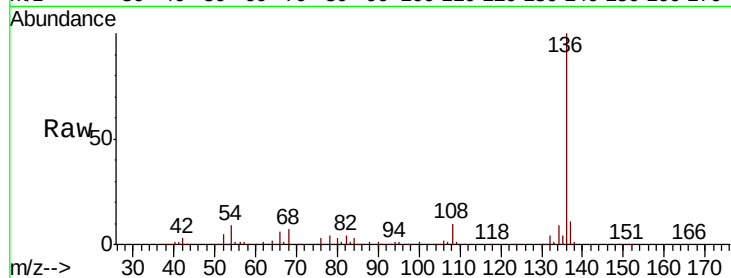
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.3 7.1 10.7

68 6.9 5.0 7.4

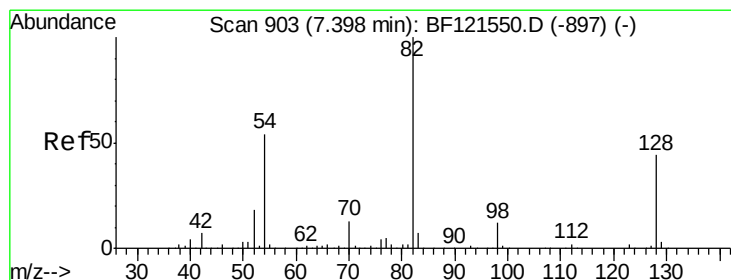
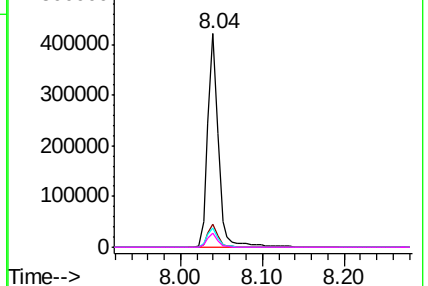
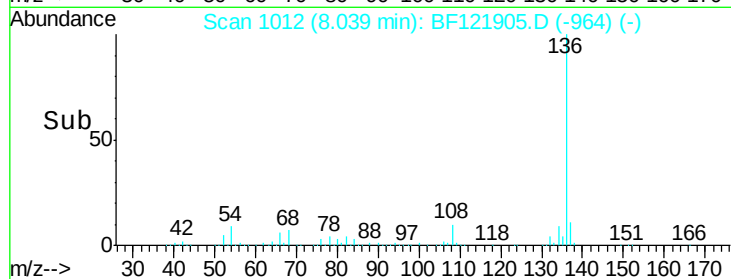


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.972 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

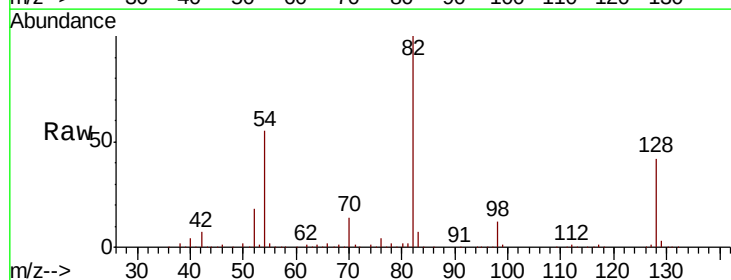
Tgt Ion: 82 Resp: 499269

Ion Ratio Lower Upper

82 100

128 42.2 35.0 52.4

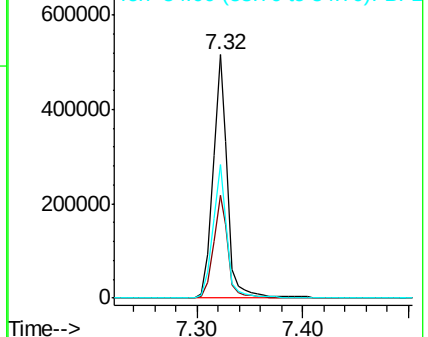
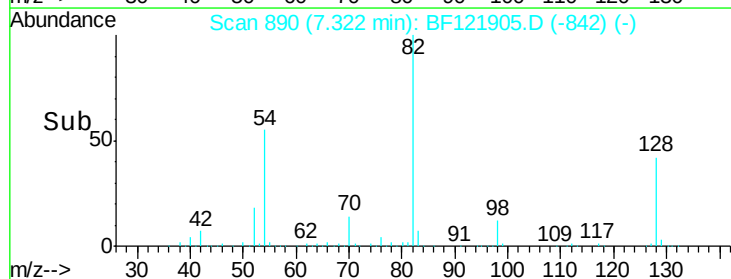
54 54.7 43.9 65.9

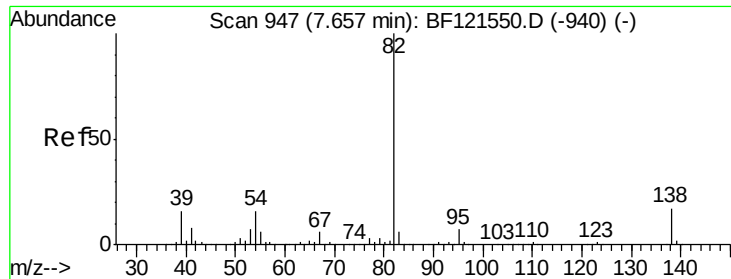


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.760 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

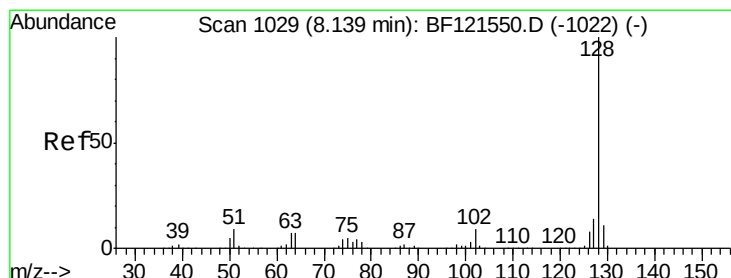
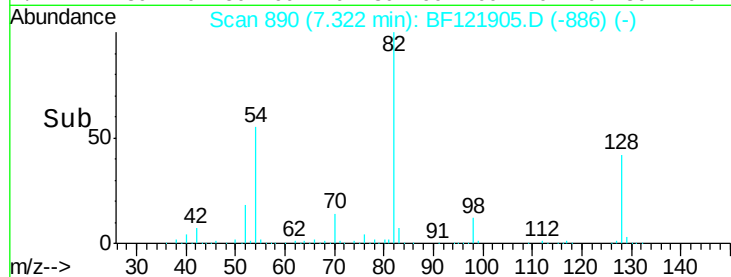
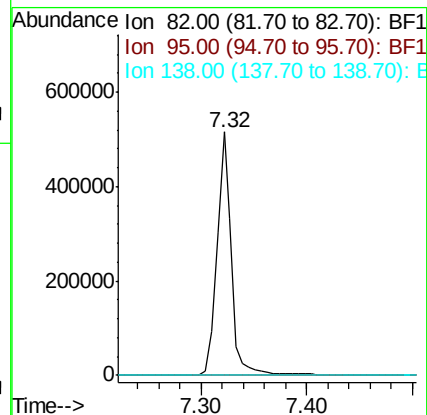
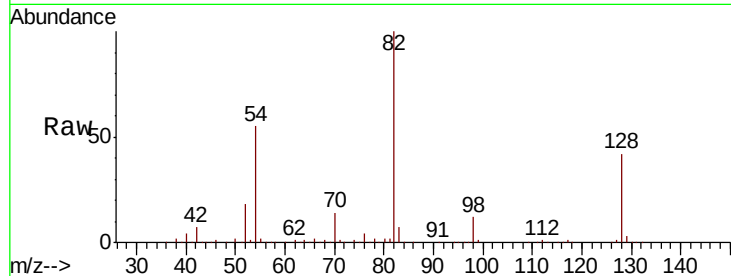
Tot Ion: 82 Resp: 499269

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 13.4 20.0#



#31

Naphthalene

Concen: 9.214 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

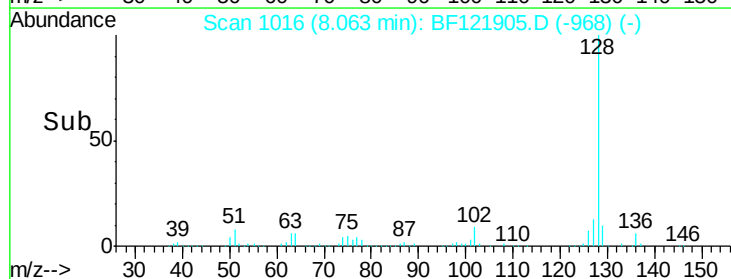
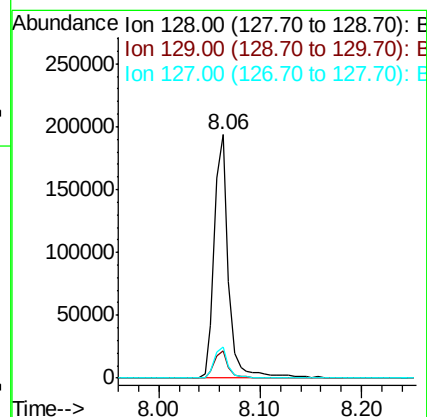
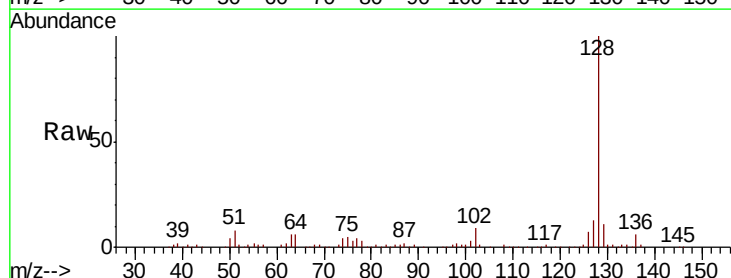
Tgt Ion: 128 Resp: 186332

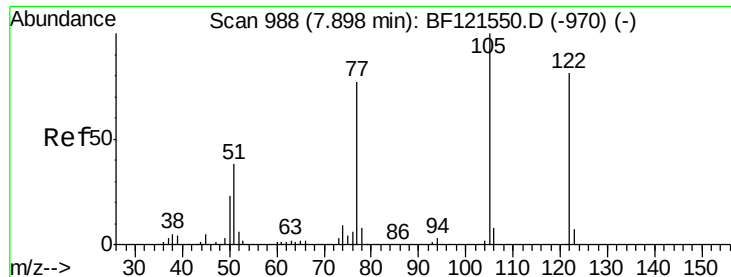
Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.0 10.8 16.2

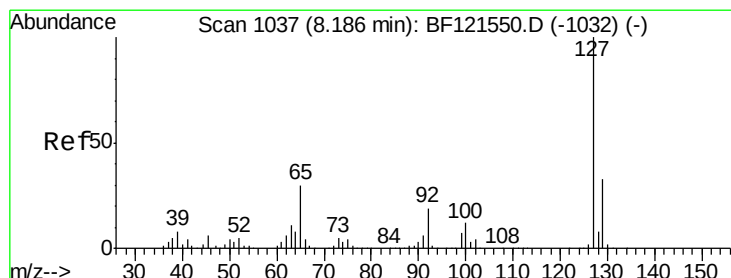
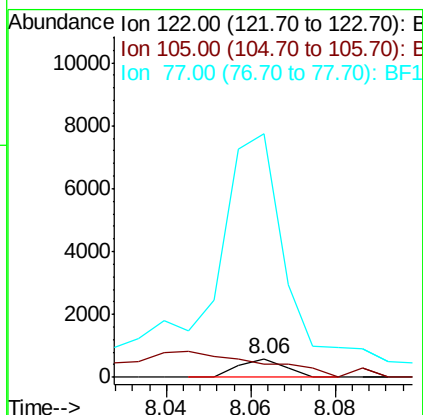
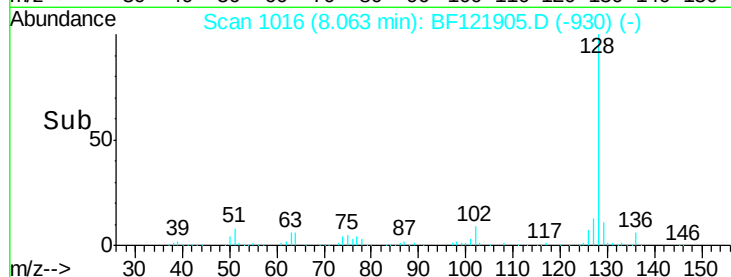
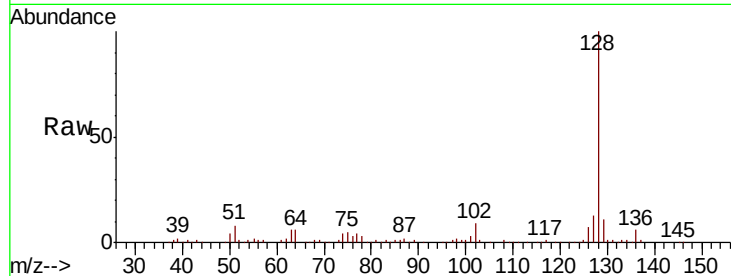




#32
Benzoic acid
Concen: 7.017 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.21 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

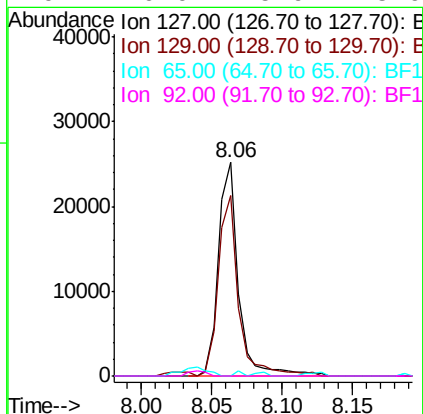
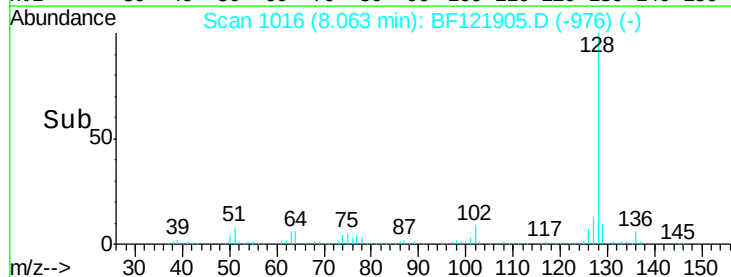
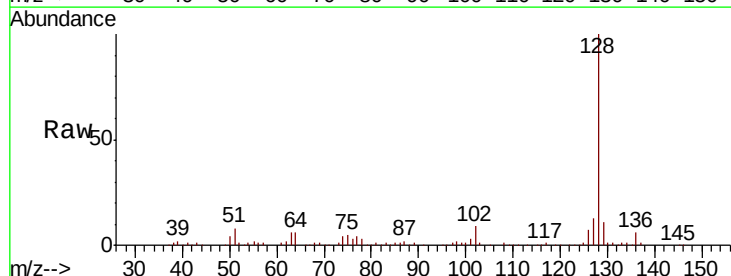
Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

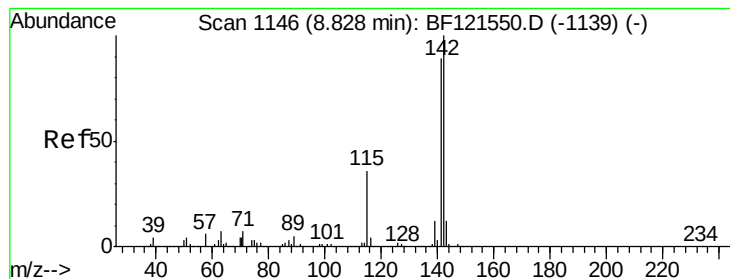
Tot Ion:122 Resp: 456
Ion Ratio Lower Upper
122 100
105 74.5 103.3 143.3#
77 1313.9 73.9 113.9#



#33
4-Chloroaniline
Concen: 2.844 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.06 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:127 Resp: 24930
Ion Ratio Lower Upper
127 100
129 84.7 26.3 39.5#
65 0.0 26.2 39.2#
92 0.0 15.9 23.9#





#37

2-Methylnaphthalene

Concen: 8.227 ng

RT: 8.75 min Scan# 1133

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

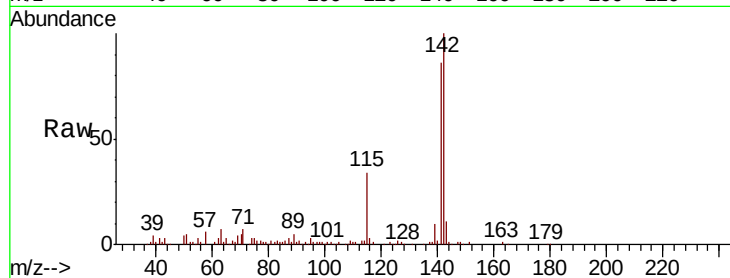
Tot Ion:142 Resp: 109033

Ion Ratio Lower Upper

142 100

141 85.8 70.2 105.4

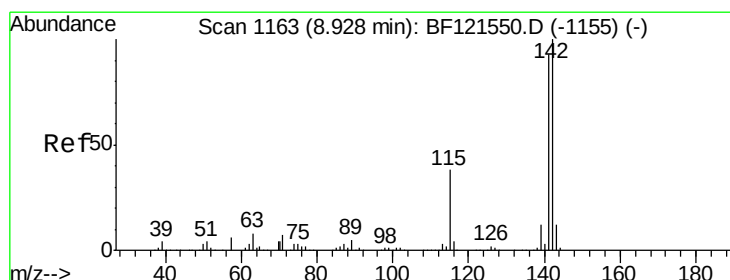
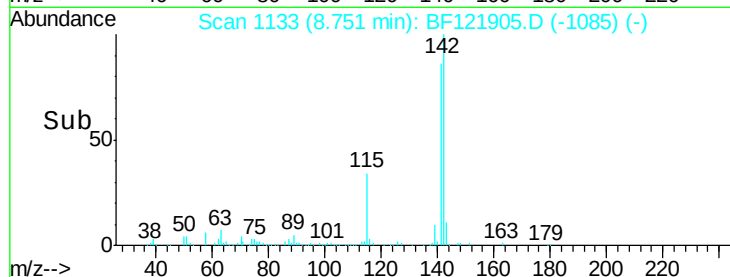
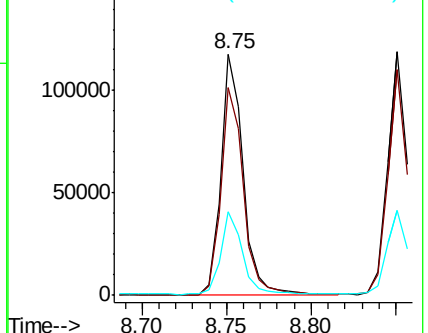
115 34.4 28.6 43.0



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: 8.310 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

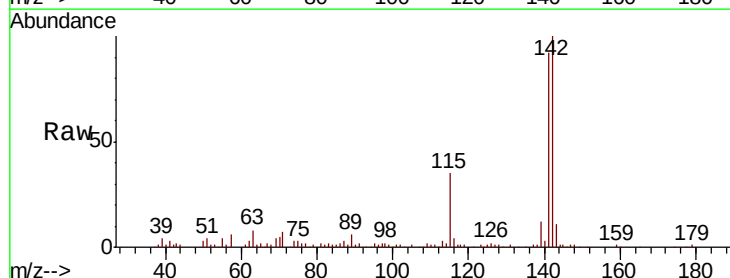
Tgt Ion:142 Resp: 102499

Ion Ratio Lower Upper

142 100

141 92.5 74.5 111.7

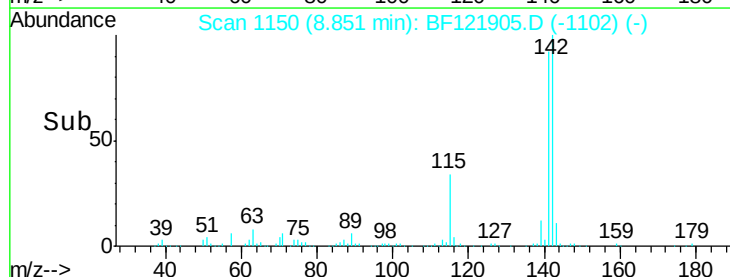
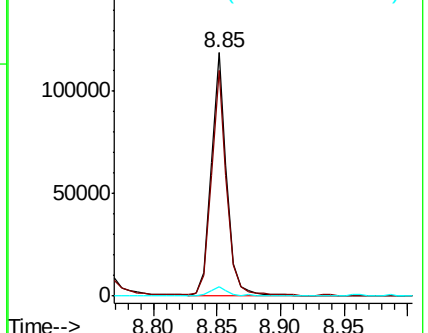
116 3.9 3.2 4.8

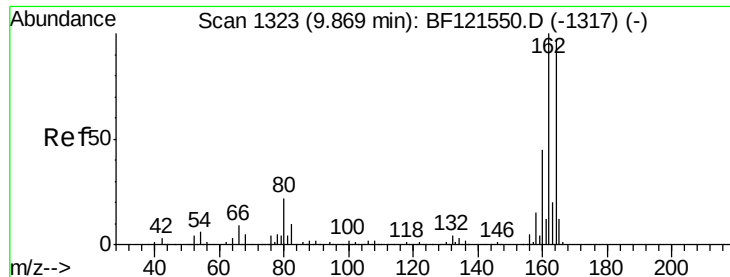


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

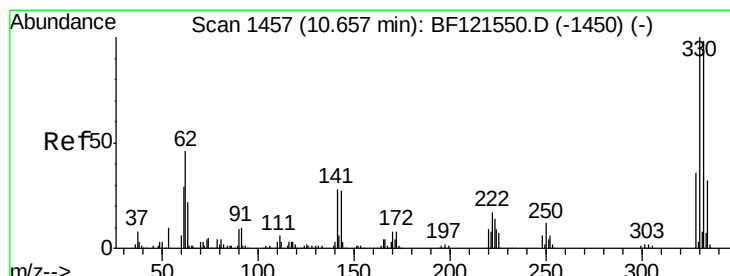
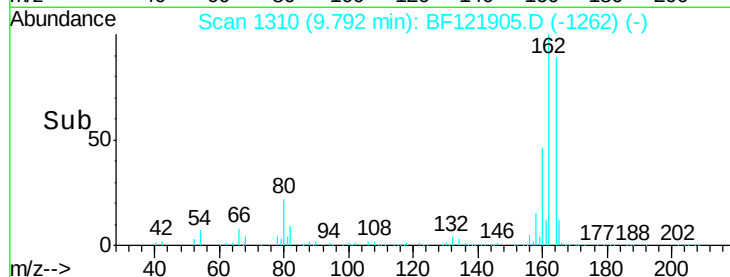
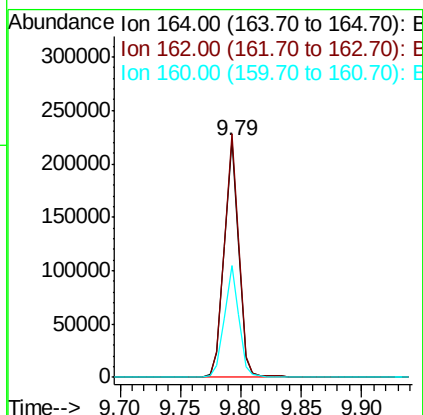
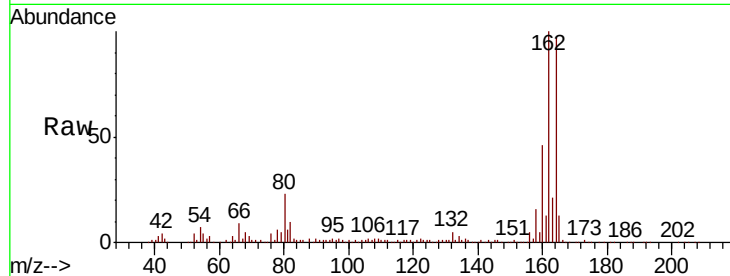




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

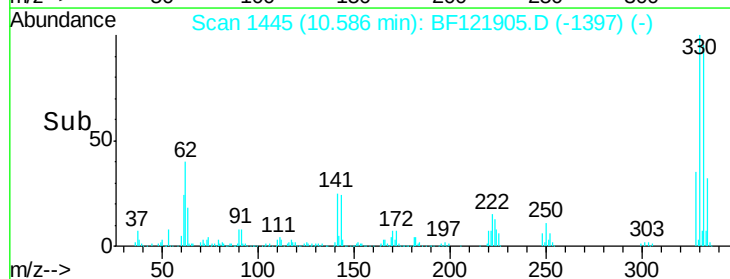
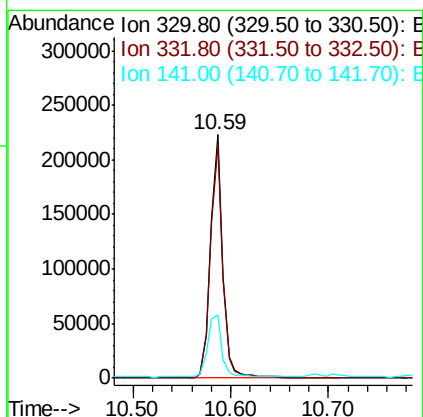
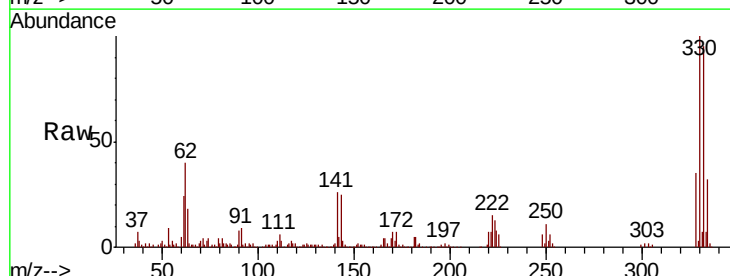
Instrument :
 BNA_F
 ClientSampleId :
 SHELL-L15-L14

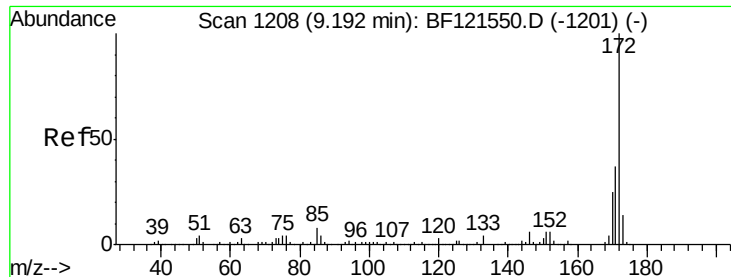
Tot Ion:164 Resp: 186817
 Ion Ratio Lower Upper
 164 100
 162 102.7 83.2 124.8
 160 47.4 37.5 56.3



#42
 2,4,6-Tribromophenol
 Concen: 84.278 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

Tgt Ion:330 Resp: 195684
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.3 115.9
 141 30.1 22.3 33.5

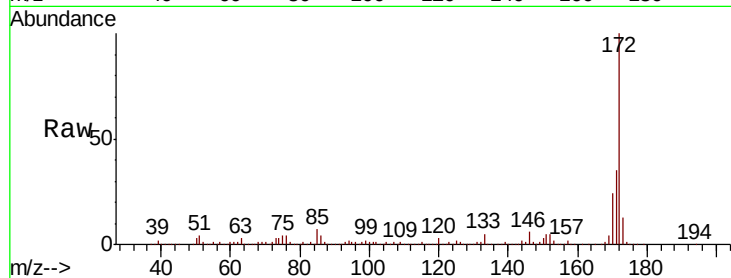




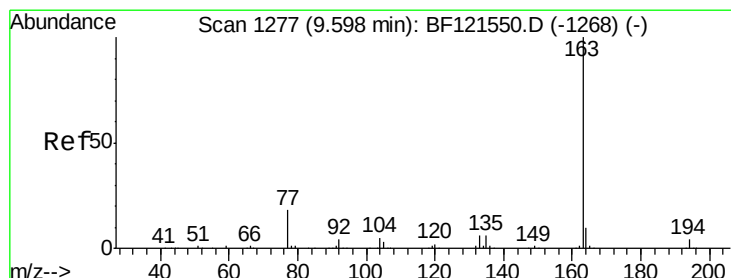
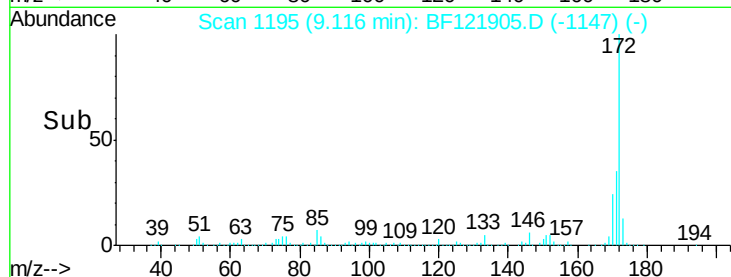
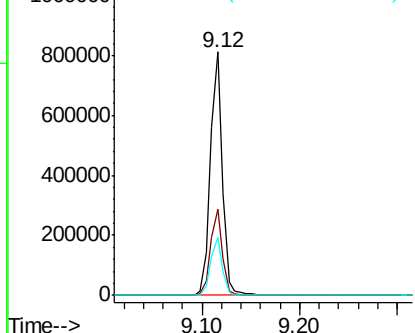
#45
2-Fluorobiphenyl
Concen: 56.244 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

Tot Ion:172 Resp: 693765
Ion Ratio Lower Upper
172 100
171 35.3 29.1 43.7
170 23.8 19.8 29.6

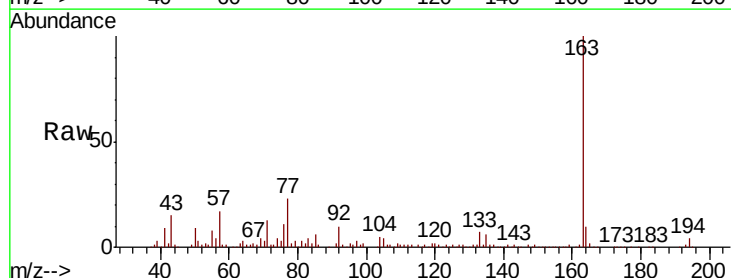


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

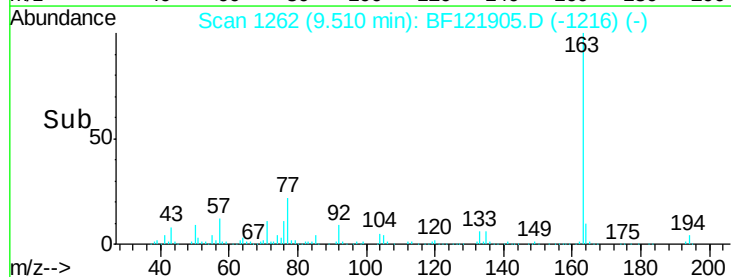
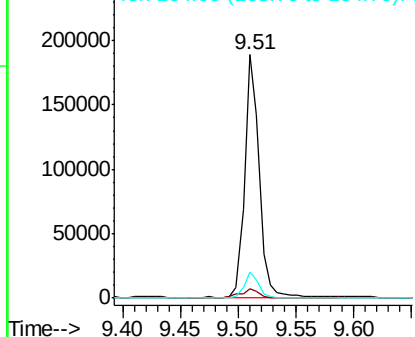


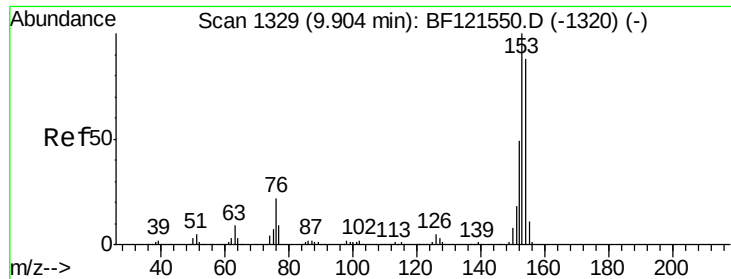
#50
Dimethylphthalate
Concen: 12.110 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:163 Resp: 163977
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.4 8.2 12.4



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: 5.230 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

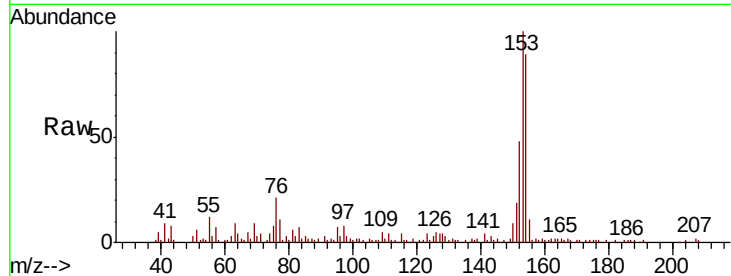
Tot Ion:154 Resp: 59818

Ion Ratio Lower Upper

154 100

153 112.7 89.8 134.8

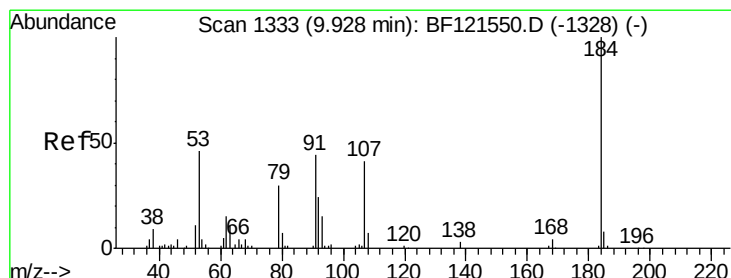
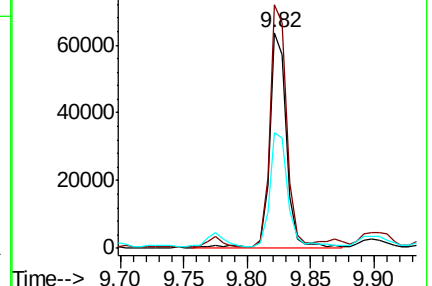
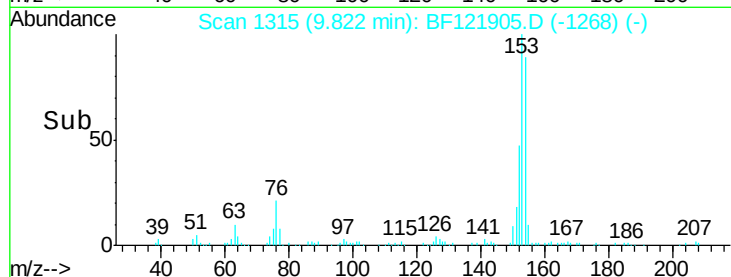
152 53.7 43.2 64.8



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: 9.271 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.20 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

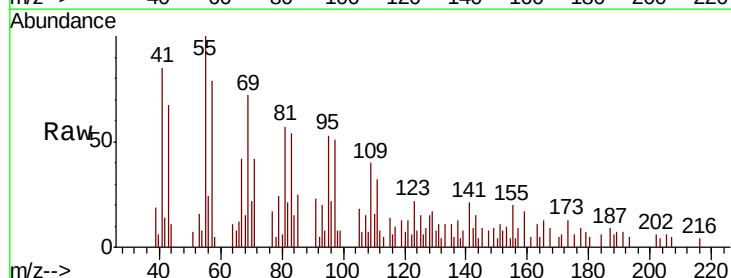
Tgt Ion:184 Resp: 419

Ion Ratio Lower Upper

184 100

63 0.0 45.9 68.9#

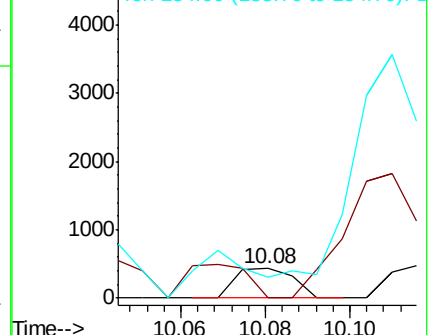
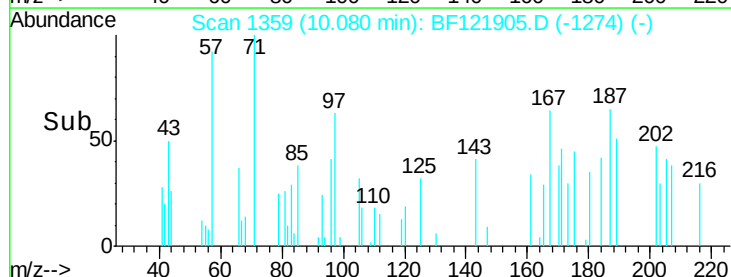
154 70.2 45.8 68.6#

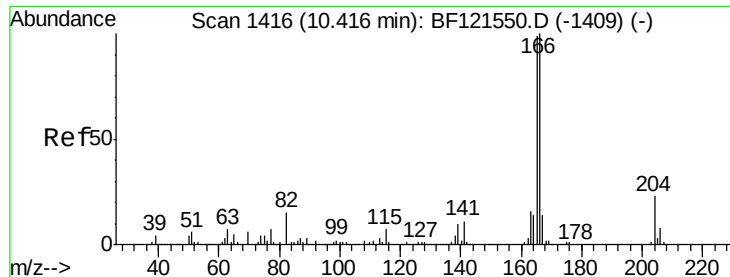


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

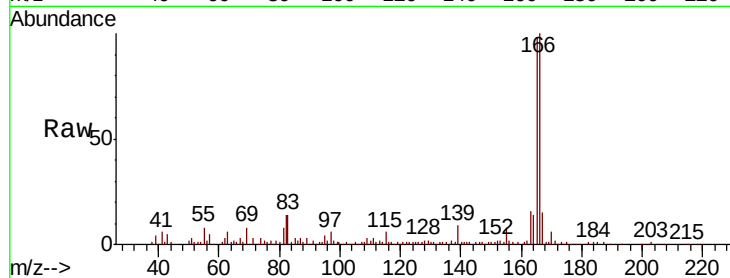




#58
 Fluorene
 Concen: 8.302 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.02 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

Instrument :
 BNA_F
 ClientSampleId :
 SHELL-L15-L14

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.1	118.7
167	14.8	11.0	16.6

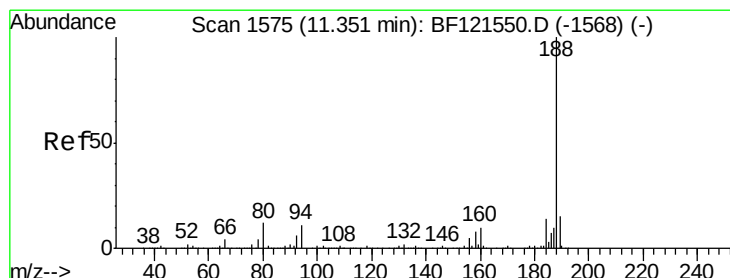
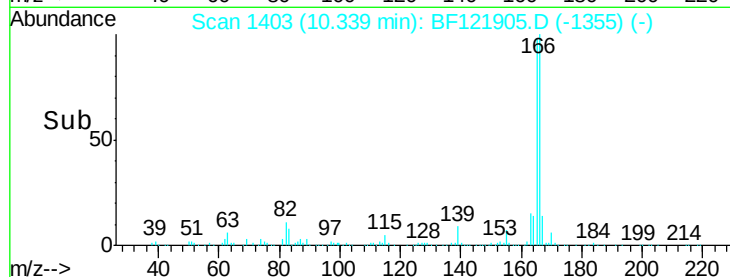
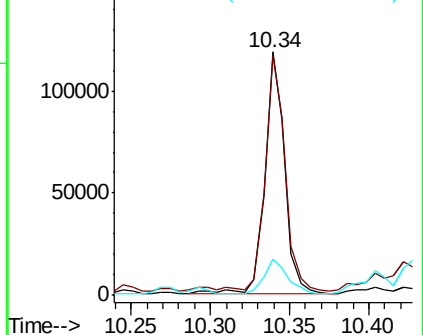


Abundance

Ion 166.00 (165.70 to 166.70): E

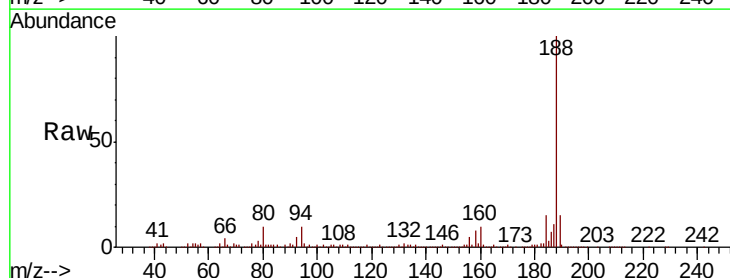
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.3	12.5
80	10.3	9.1	13.7

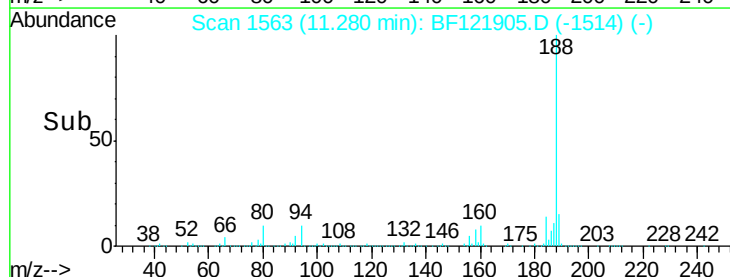
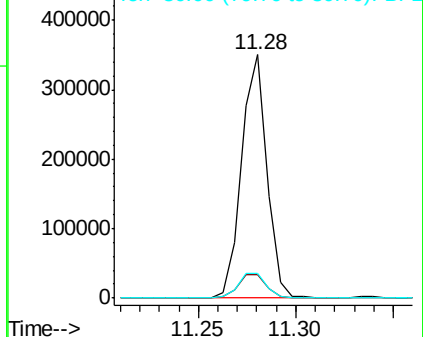


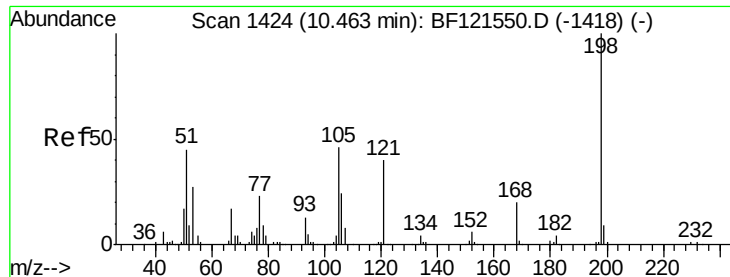
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

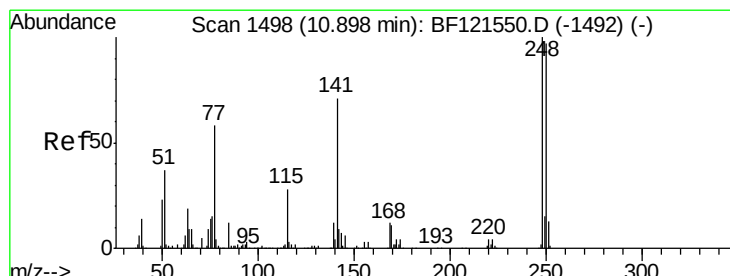
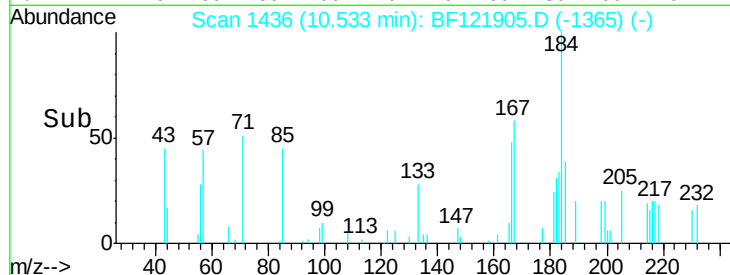
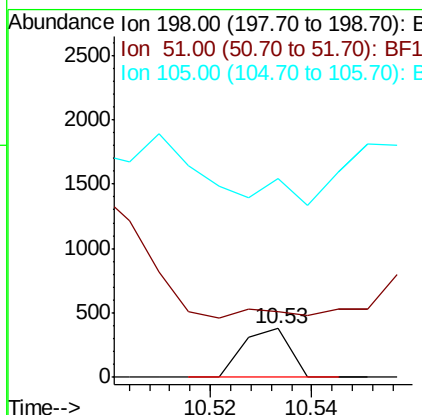
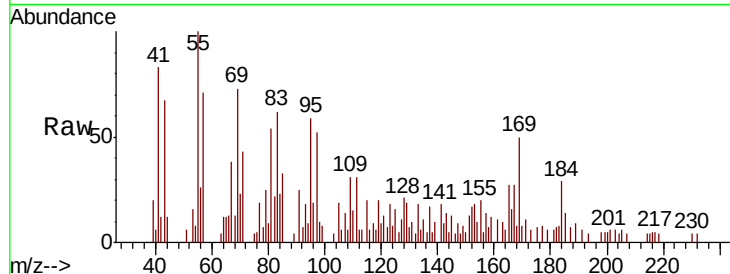




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.959 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

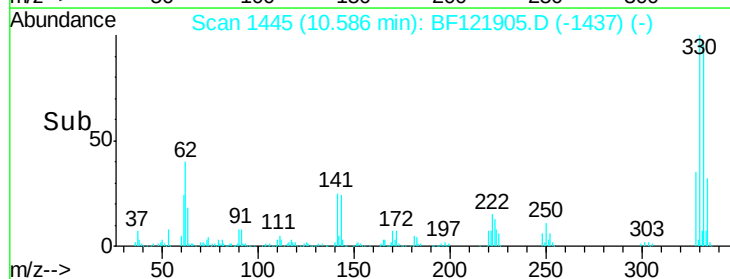
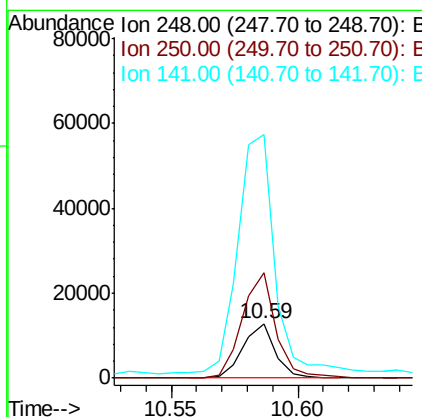
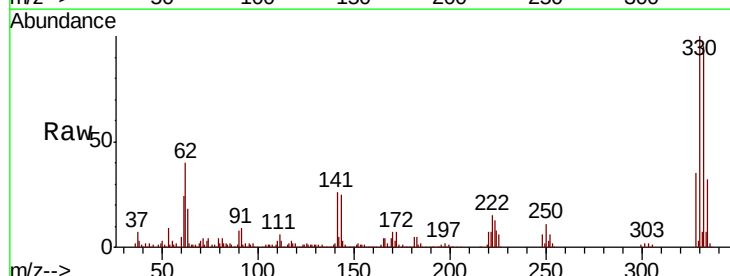
Instrument :
 BNA_F
 ClientSampleId :
 SHELL-L15-L14

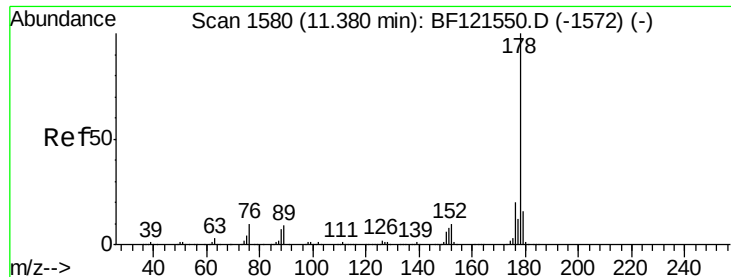
Tot Ion:198 Resp: 241
 Ion Ratio Lower Upper
 198 100
 51 134.3 29.6 69.6#
 105 411.4 24.4 64.4#



#67
 4-Bromophenyl-phenylether
 Concen: 3.136 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

Tgt Ion:248 Resp: 11219
 Ion Ratio Lower Upper
 248 100
 250 192.3 77.0 115.6#
 141 445.3 53.7 80.5#





#71

Phenanthrene

Concen: 36.626 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

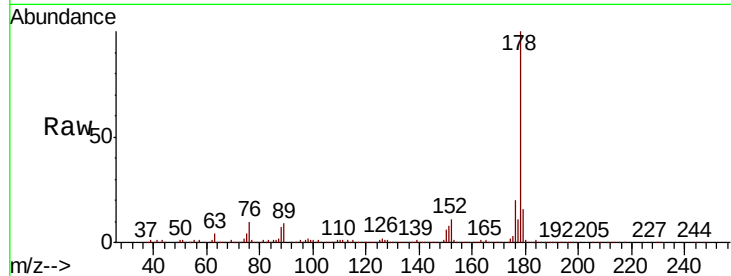
Tot Ion:178 Resp: 627034

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

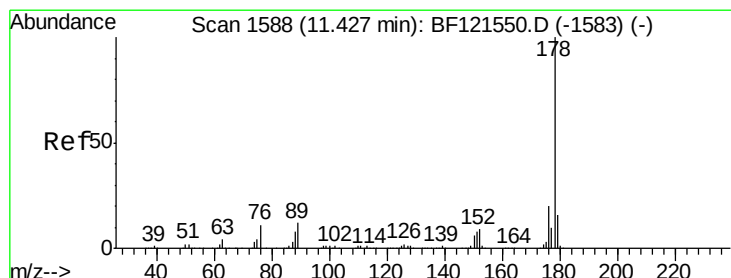
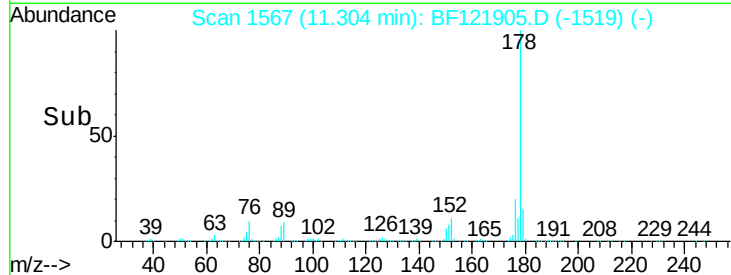
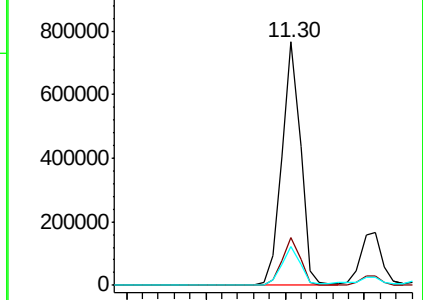
179 15.8 12.2 18.4



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: 8.340 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

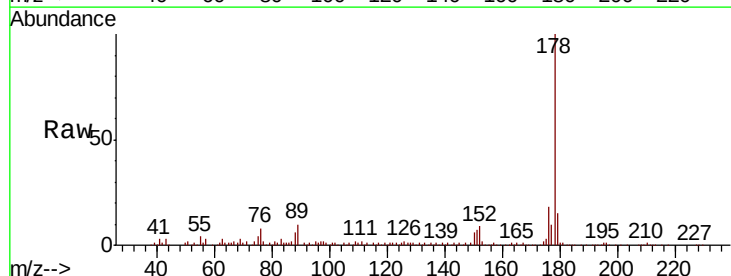
Tgt Ion:178 Resp: 147340

Ion Ratio Lower Upper

178 100

176 18.4 15.7 23.5

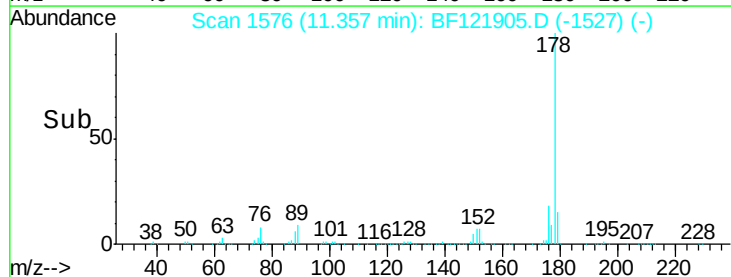
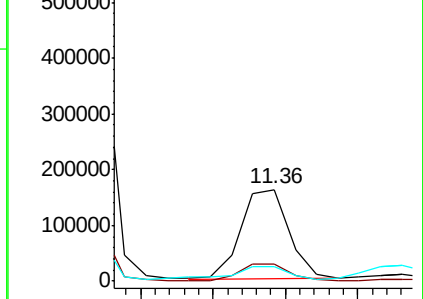
179 15.3 12.7 19.1

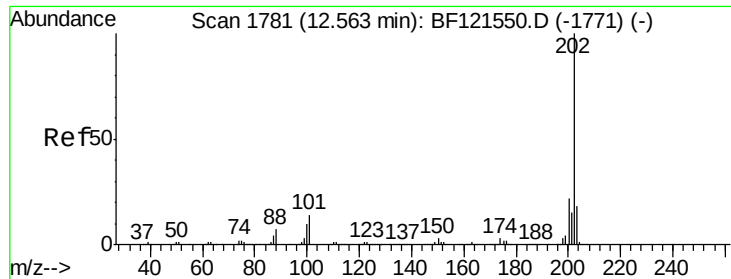


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

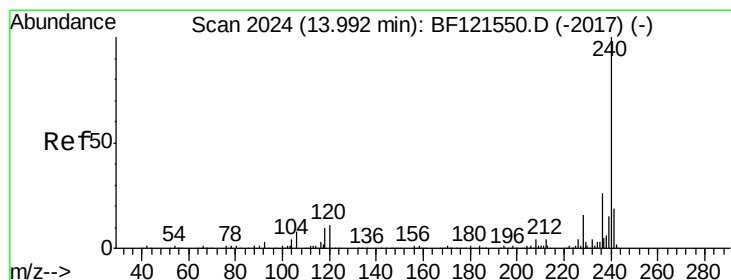
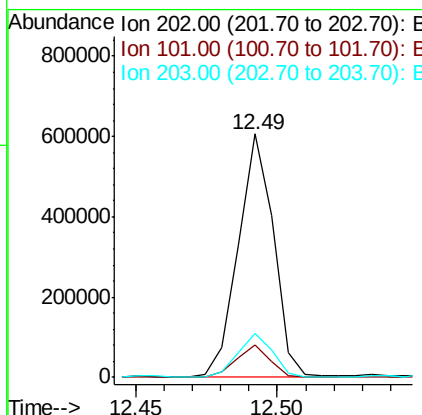
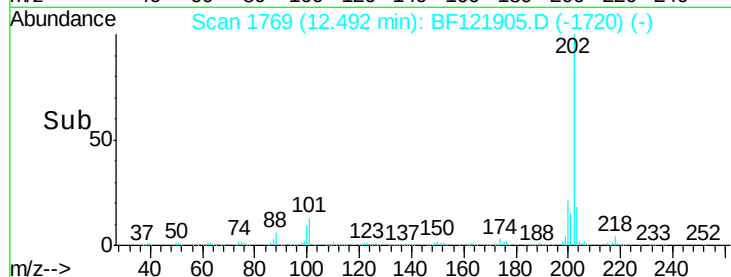
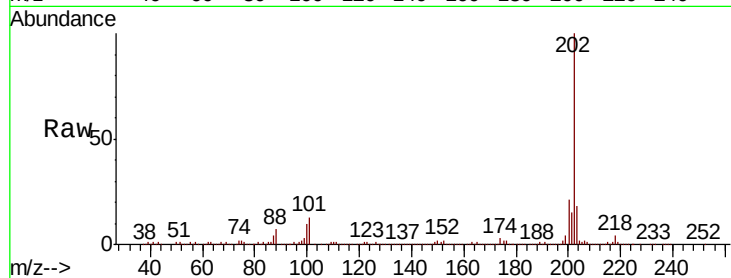




#75
 Fluoranthene
 Concen: 28.709 ng
 RT: 12.49 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

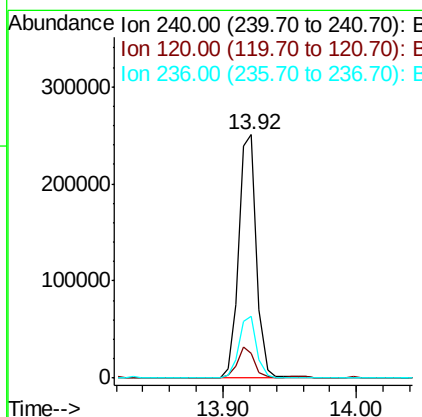
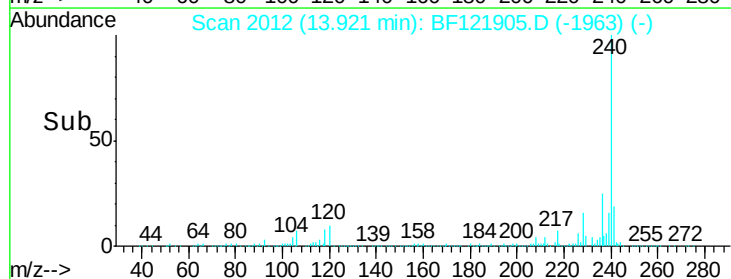
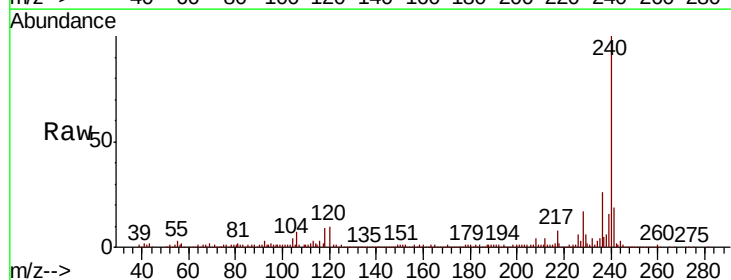
Instrument :
 BNA_F
 ClientSampleId :
 SHELL-L15-L14

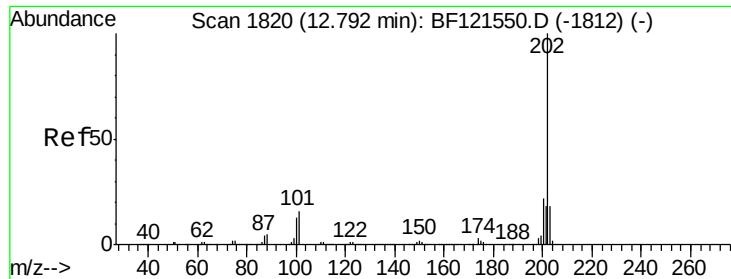
Tot Ion:	202	Resp:	524658
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.4
203	18.1	0.0	37.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121905.D
 Acq: 9 Oct 2020 14:38

Tgt Ion:	240	Resp:	232853
Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.2	13.8
236	25.5	20.9	31.3

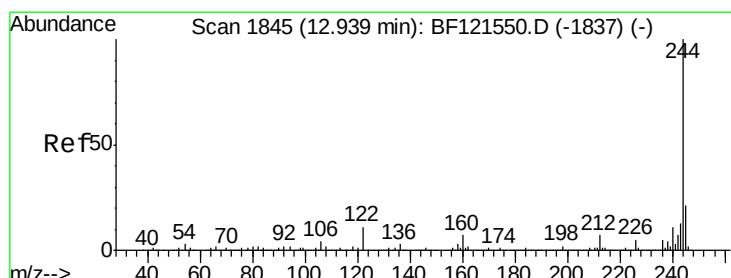
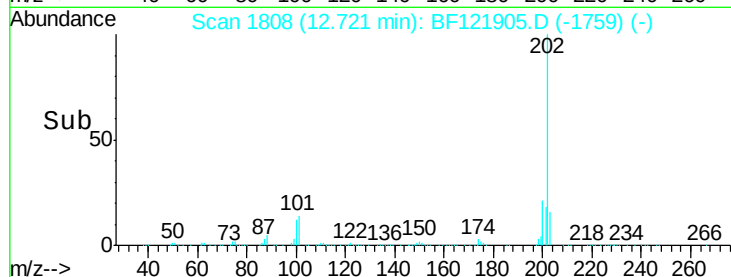
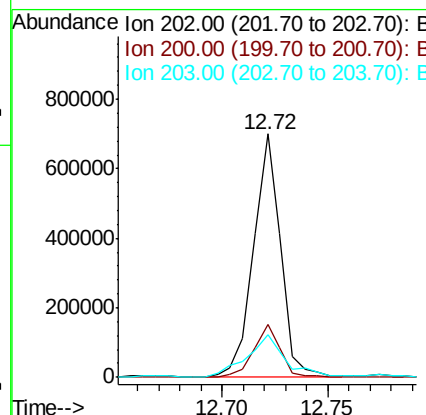
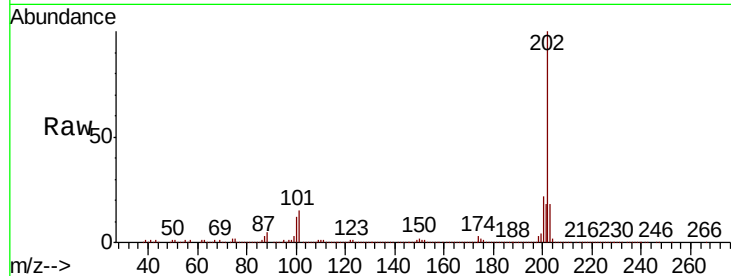




#78
Pvrene
Concen: 36.708 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

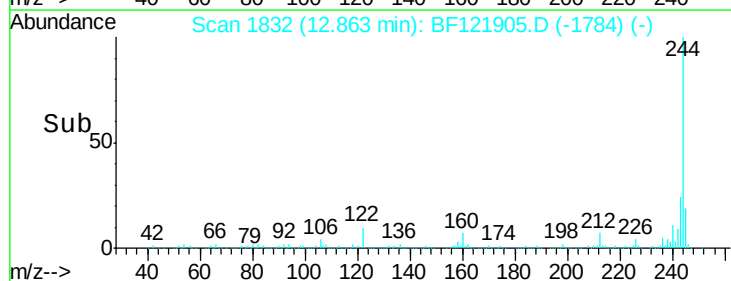
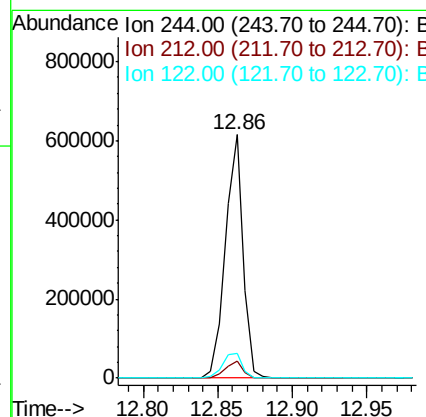
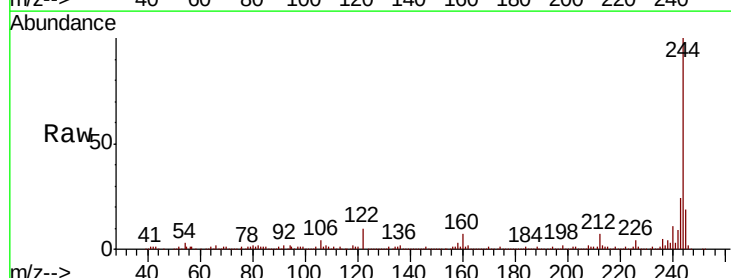
Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

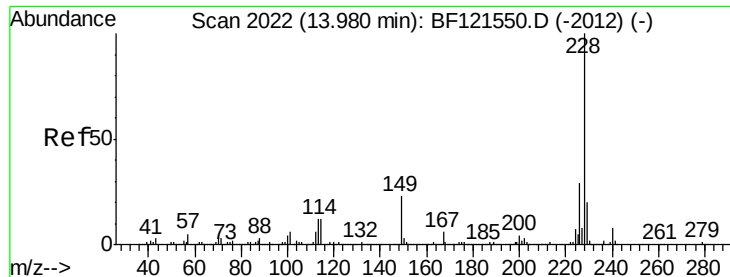
Tot Ion:202 Resp: 624518
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 44.968 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:244 Resp: 516858
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.4 8.1 12.1

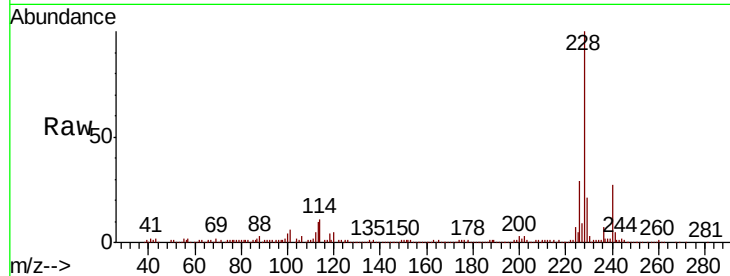




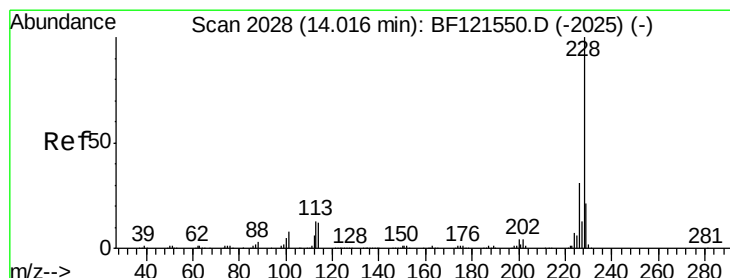
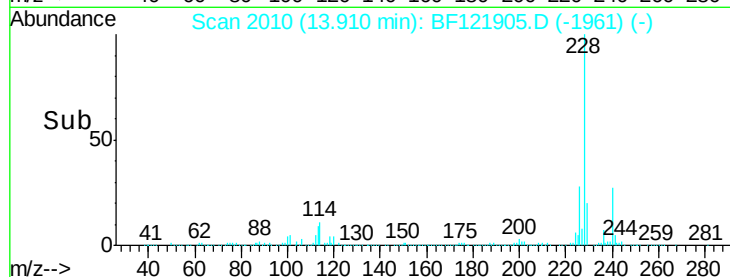
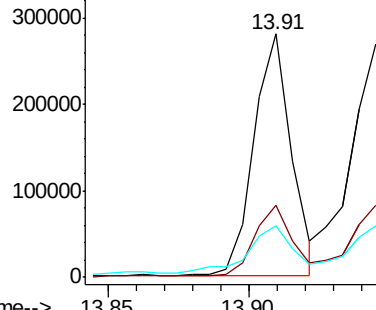
#81
Benzo(a)anthracene
Concen: 17.416 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

Tot Ion:228 Resp: 256556
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 21.4 16.2 24.4

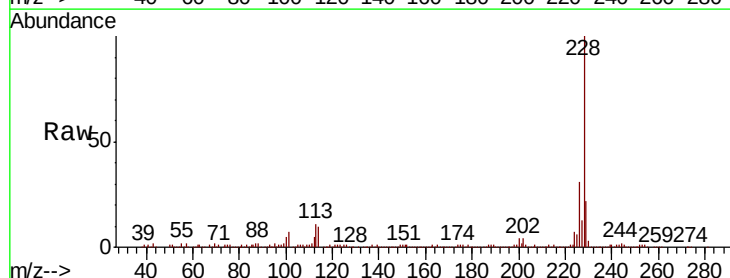


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

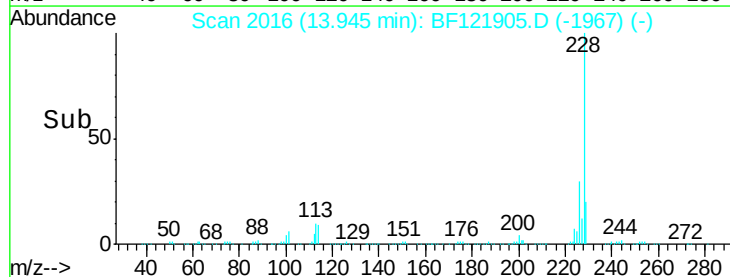
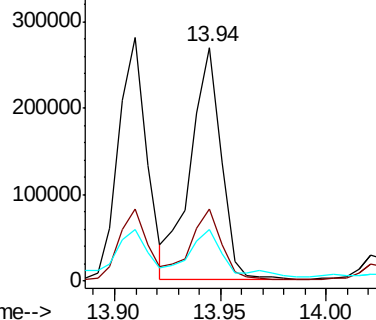


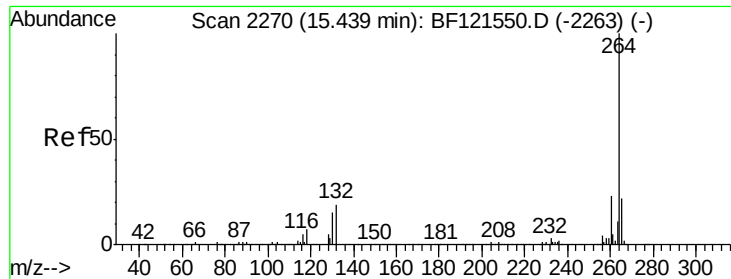
#83
Chrysene
Concen: 18.098 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:228 Resp: 269974
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 22.3 15.9 23.9



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

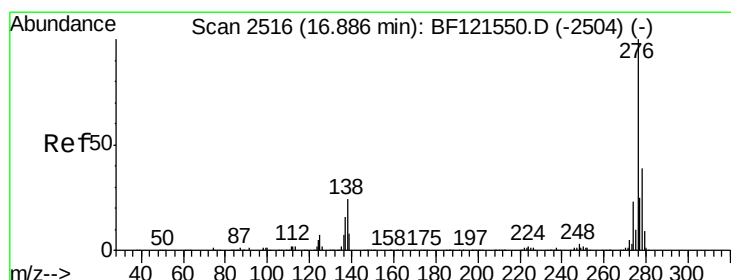
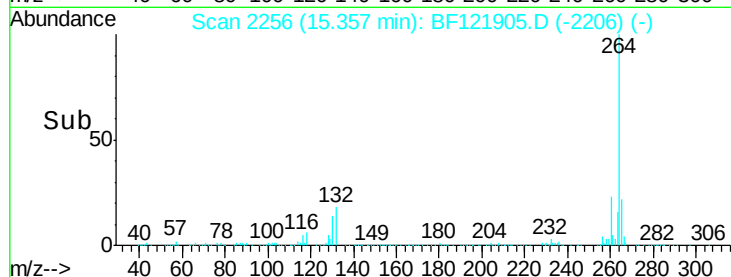
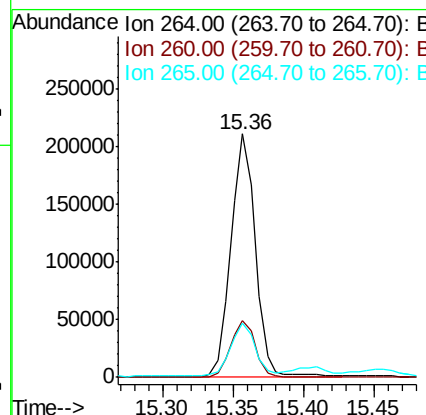
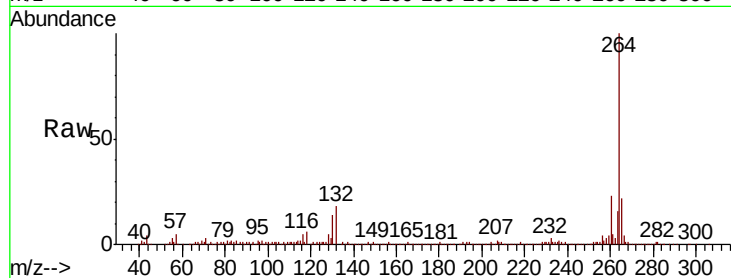




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

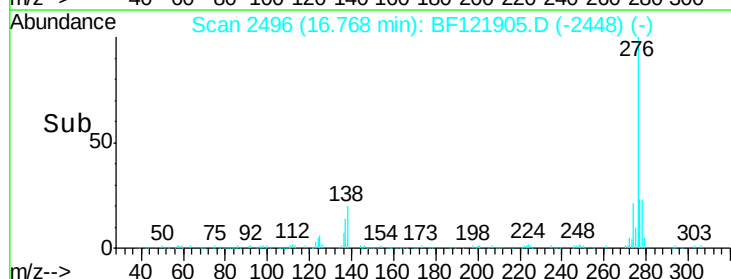
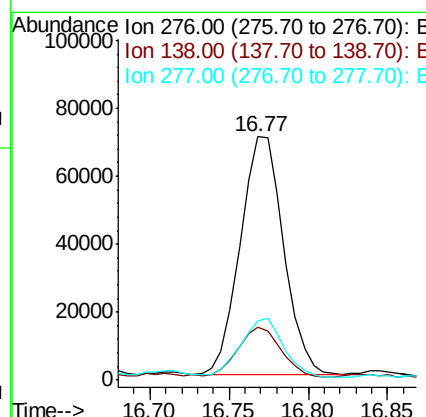
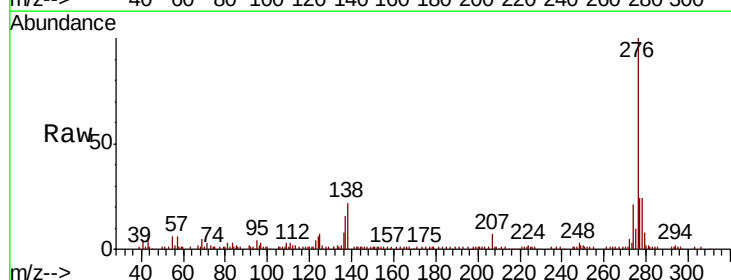
Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

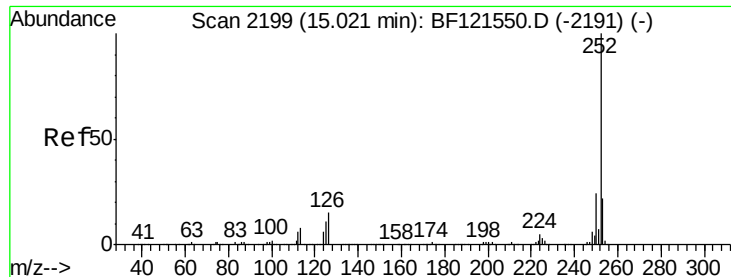
Tot Ion:264 Resp: 250241
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 22.4 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.178 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:276 Resp: 133277
Ion Ratio Lower Upper
276 100
138 21.0 19.9 29.9
277 24.8 20.4 30.6

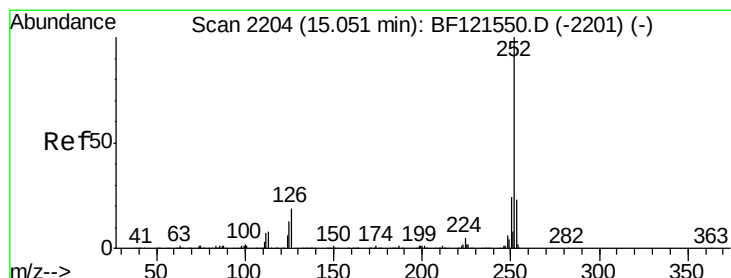
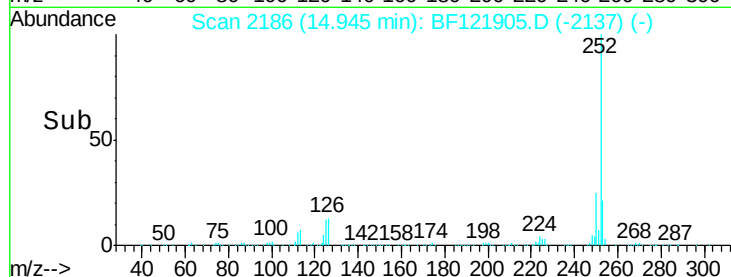
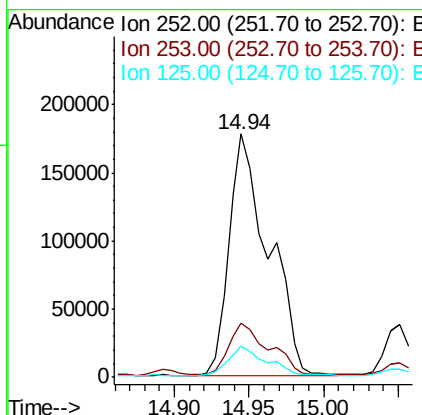
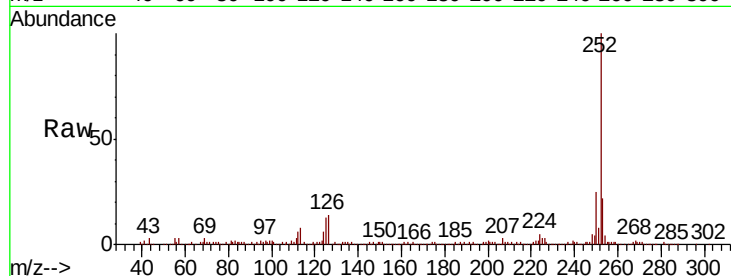




#88
Benzo(b)fluoranthene
Concen: 19.648 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

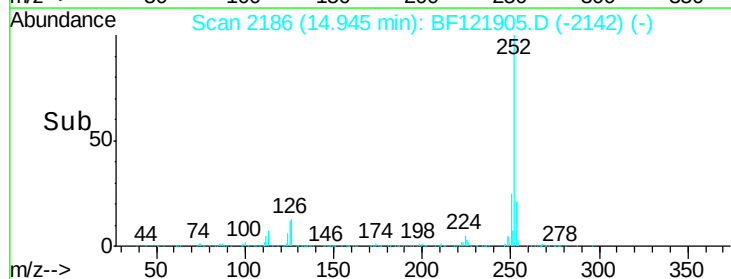
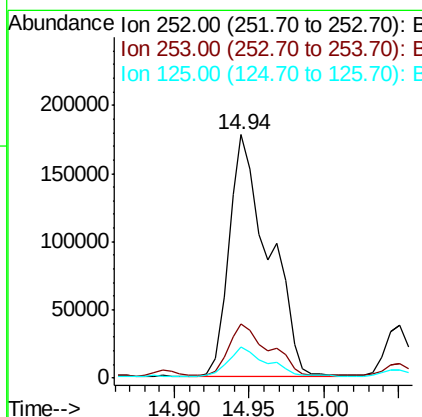
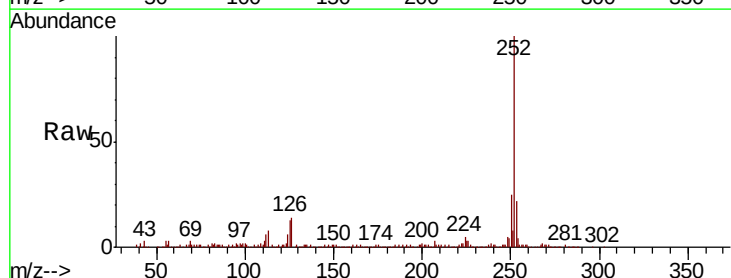
Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

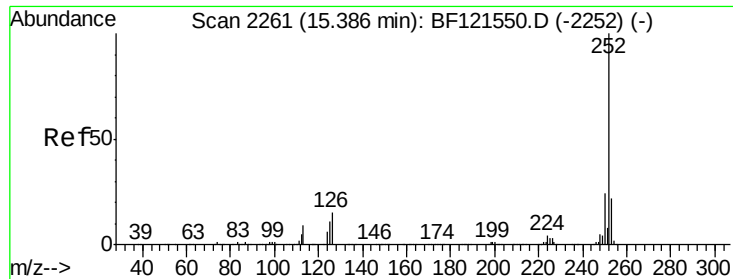
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	12.8	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 21.456 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.8	7.7	11.5#

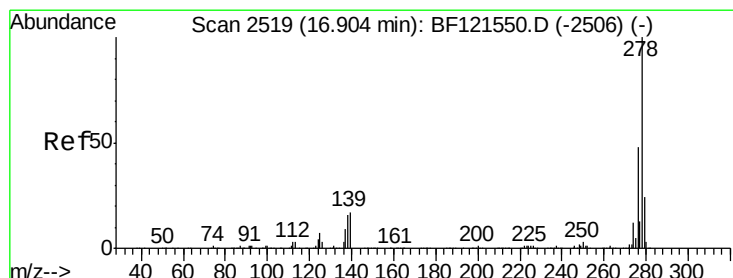
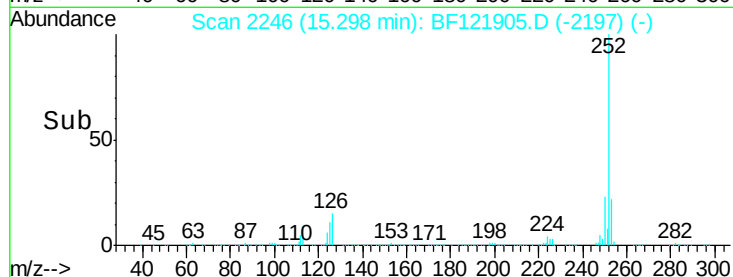
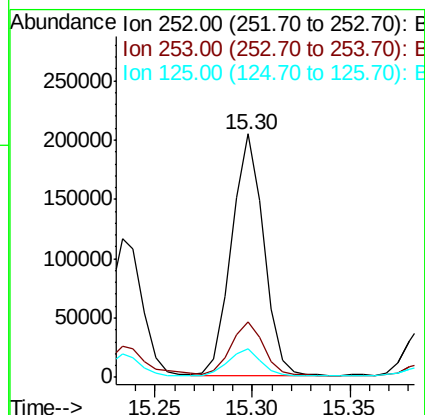
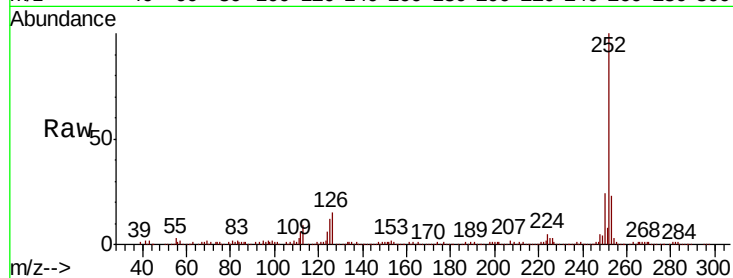




#90
Benzo(a)pyrene
Concen: 16.491 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

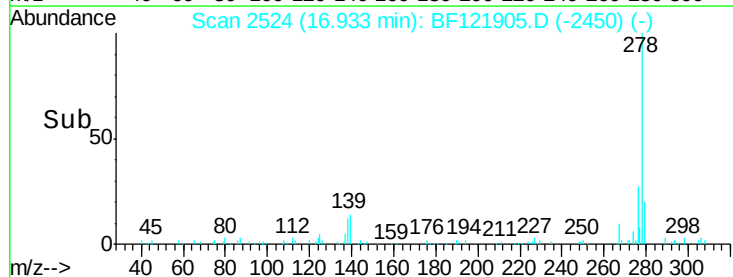
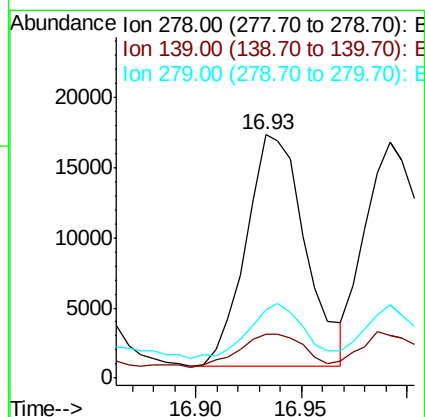
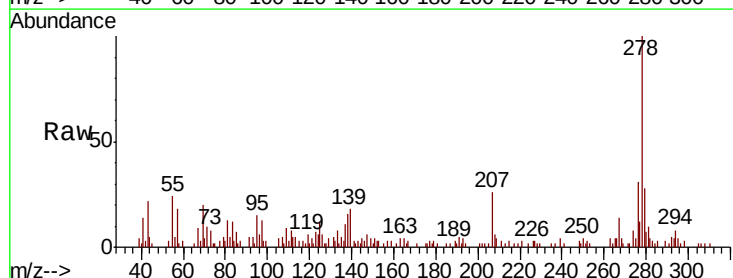
Instrument :
BNA_F
ClientSampleId :
SHELL-L15-L14

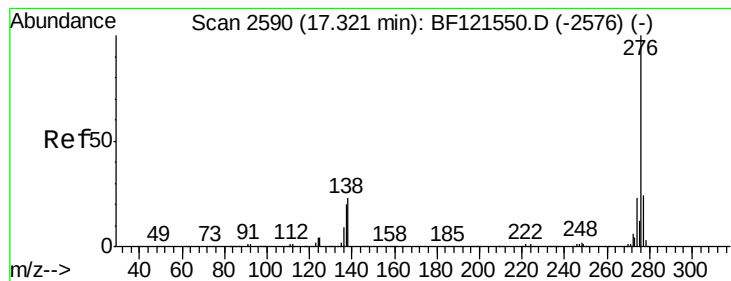
Tot Ion:252 Resp: 234504
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 11.7 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 2.367 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.14 min
Lab File: BF121905.D
Acq: 9 Oct 2020 14:38

Tgt Ion:278 Resp: 32104
Ion Ratio Lower Upper
278 100
139 18.2 13.0 19.4
279 27.8 19.0 28.4





#92

Benzo(a,h,i)perylene

Concen: 10.427 ng

RT: 17.20 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BF121905.D

Acq: 9 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

SHELL-L15-L14

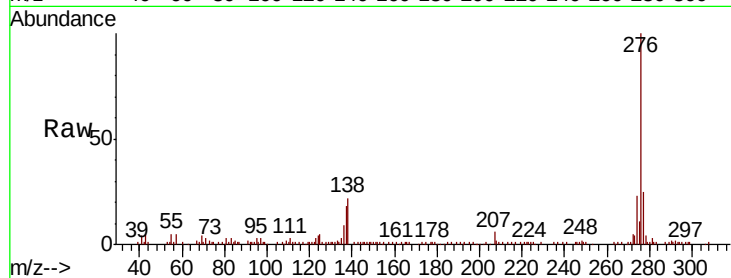
Tot Ion:276 Resp: 139045

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.2

138 21.8 17.8 26.6



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

