

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121858.D
 Acq On : 6 Oct 2020 18:01
 Operator : JU/CG
 Sample : L4230-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 24702

Quant Time: Oct 06 18:48:11 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	107749	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	391935	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	166640	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	226140	20.00	ng	0.00
76) Chrysene-d12	13.92	240	250133	20.00	ng	-0.01
86) Perylene-d12	15.36	264	246909	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	662505	91.38	ng	0.00
7) Phenol-d6	6.40	99	838103	88.11	ng	-0.01
23) Nitrobenzene-d5	7.33	82	551092	75.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	151947	73.36	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	754288	68.55	ng	-0.01
79) Terphenyl-d14	12.87	244	543771	44.04	ng	-0.01

Target Compounds

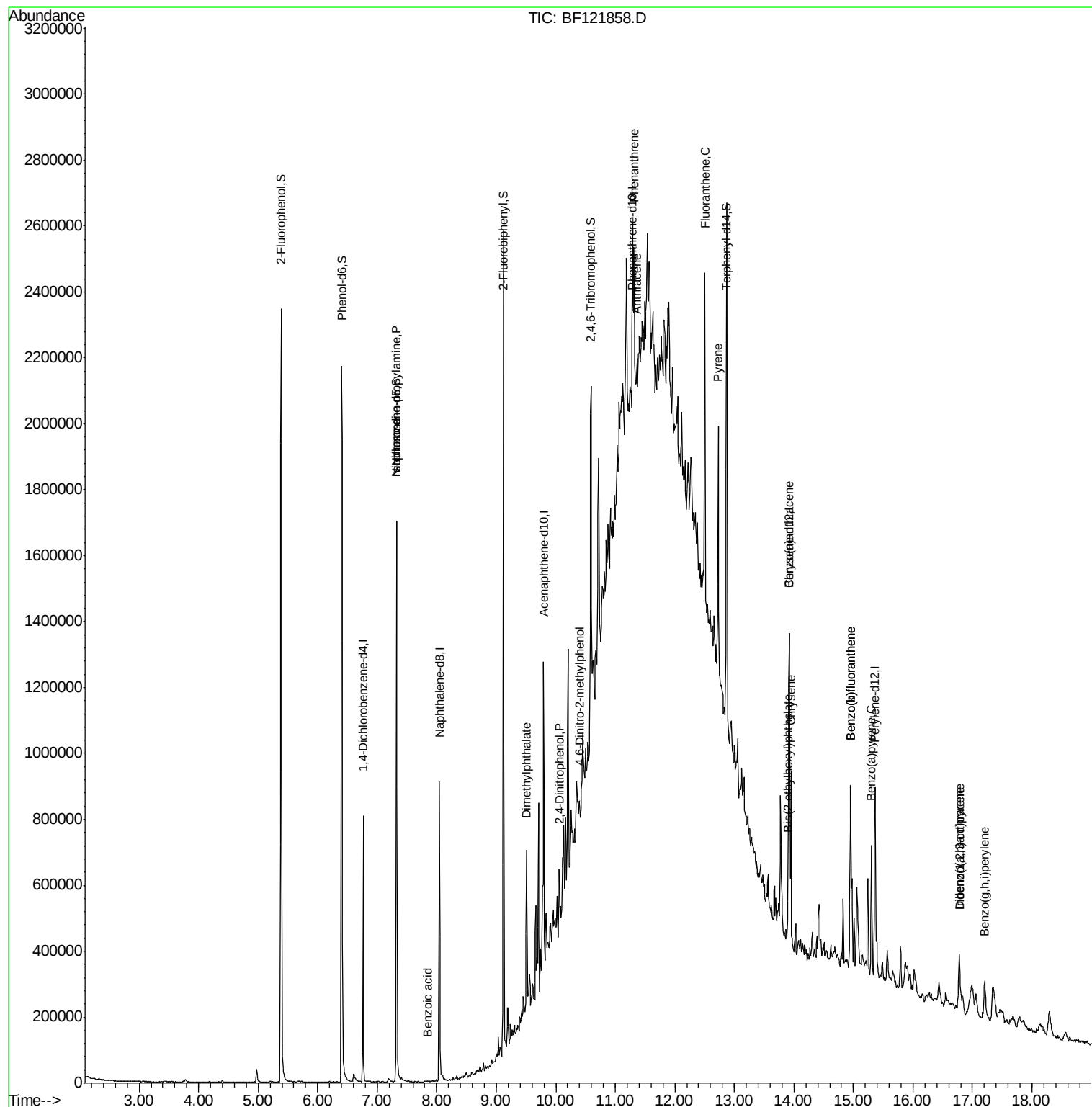
						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	72975	13.312	ng	# 79
25) Isophorone	7.33	82	551088	37.503	ng	# 67
32) Benzoic acid	7.85	122	116	6.956	ng	# 1
50) Dimethylphthalate	9.52	163	119774	9.917	ng	99
54) 2,4-Dinitrophenol	10.05	184	110	9.114	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.41	198	548	7.191	ng	# 1
71) Phenanthrene	11.31	178	175364	14.233	ng	# 95
72) Anthracene	11.36	178	26552	2.088	ng	# 73
75) Fluoranthene	12.50	202	392771	29.863	ng	98
78) Pyrene	12.73	202	335839	18.376	ng	99
81) Benzo(a)anthracene	13.92	228	198760	12.560	ng	98
83) Chrysene	13.95	228	220216	13.742	ng	97
84) Bis(2-ethylhexyl)phthalate	13.90	149	22287	2.257	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.78	276	101608	6.319	ng	96
88) Benzo(b)fluoranthene	14.95	252	381894	23.136	ng	98
89) Benzo(k)fluoranthene	14.95	252	381894	25.265	ng	# 98
90) Benzo(a)pyrene	15.30	252	176918	12.609	ng	98
91) Dibenzo(a,h)anthracene	16.78	278	28068	2.097	ng	# 92
92) Benzo(a,h,i)perylene	17.20	276	92483	7.029	ng	98

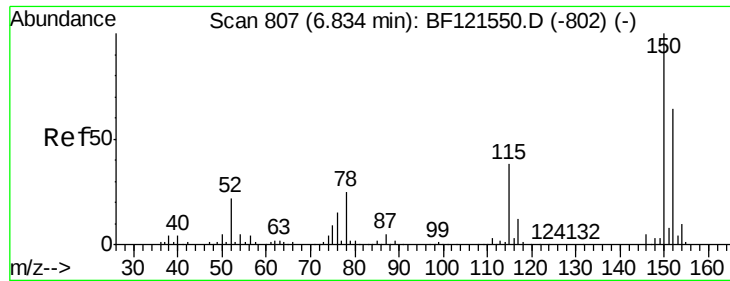
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

ClientSampleId :

24702

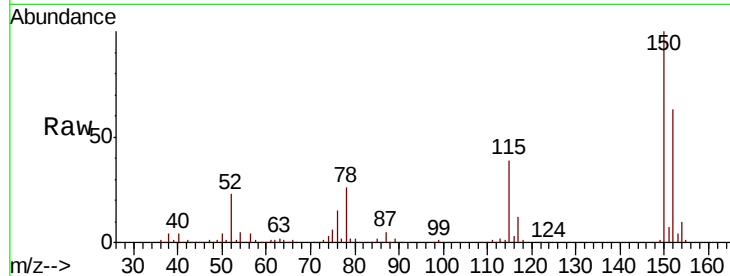
Tot Ion:152 Resp: 107749

Ion Ratio Lower Upper

152 100

150 157.7 125.3 187.9

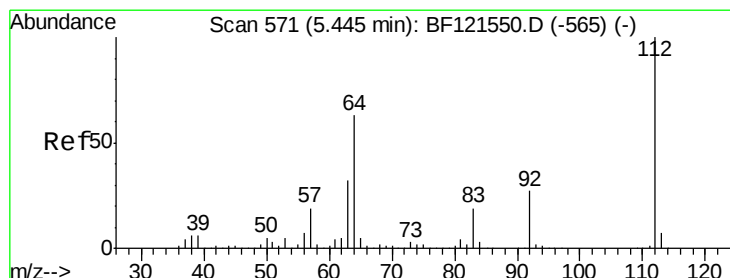
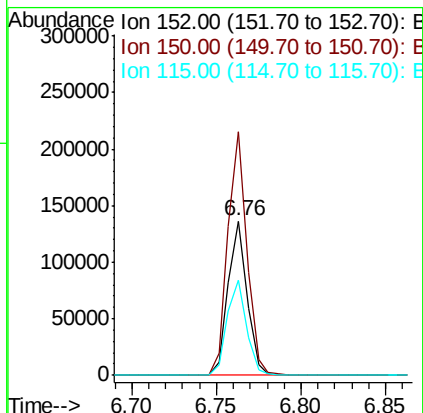
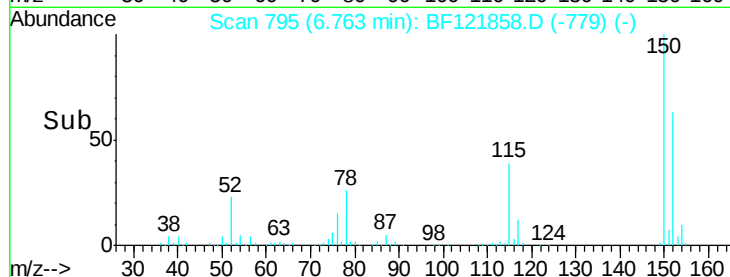
115 61.8 51.9 77.9



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: 91.376 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

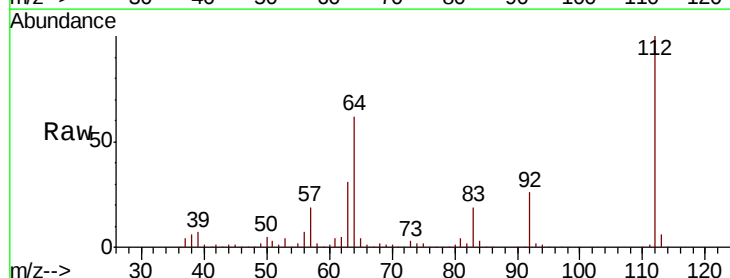
Tgt Ion:112 Resp: 662505

Ion Ratio Lower Upper

112 100

64 62.2 50.4 75.6

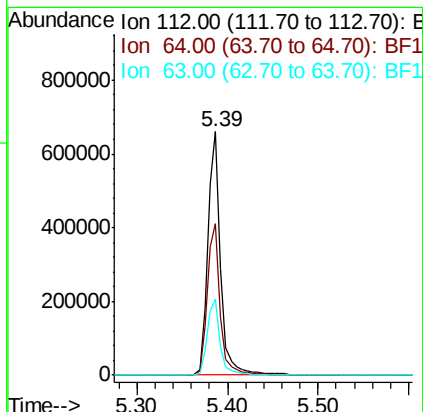
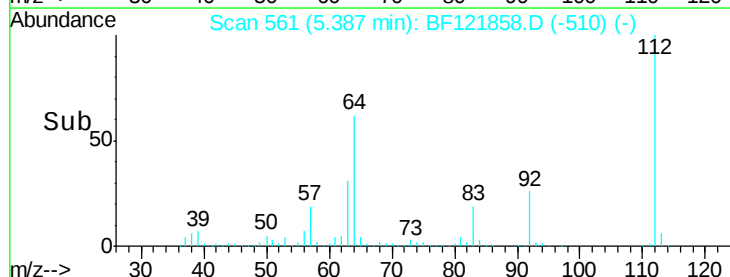
63 31.3 25.8 38.6

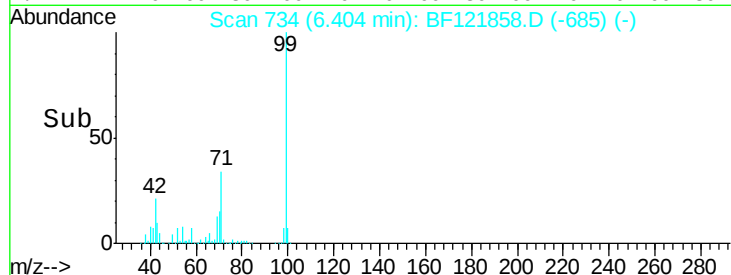
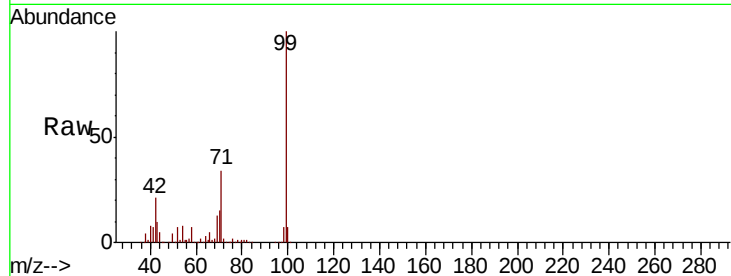


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.110 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

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ClientSampleId :

24702

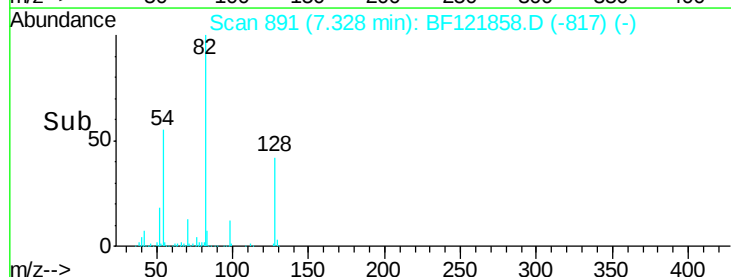
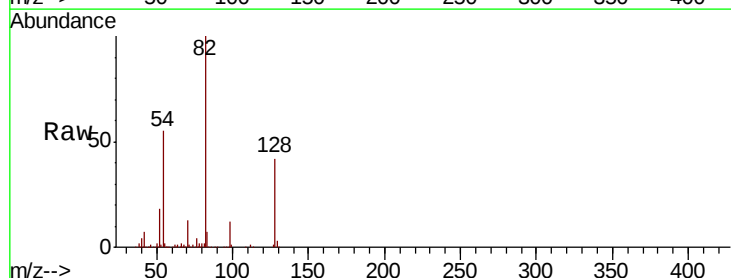
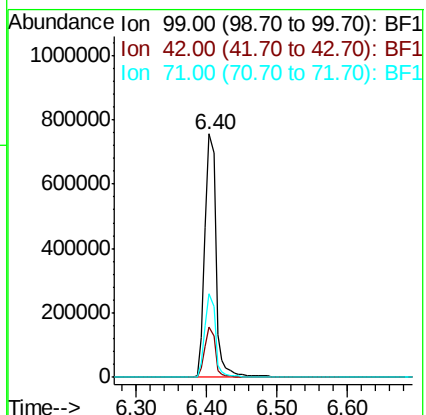
Tot Ion: 99 Resp: 838103

Ion Ratio Lower Upper

99 100

42 20.5 15.9 23.9

71 34.3 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.312 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Tgt Ion: 70 Resp: 72975

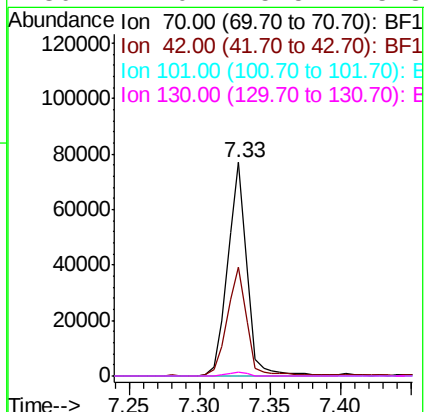
Ion Ratio Lower Upper

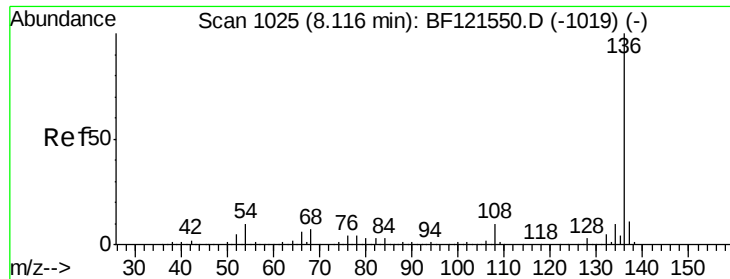
70 100

42 50.7 50.2 75.4

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#

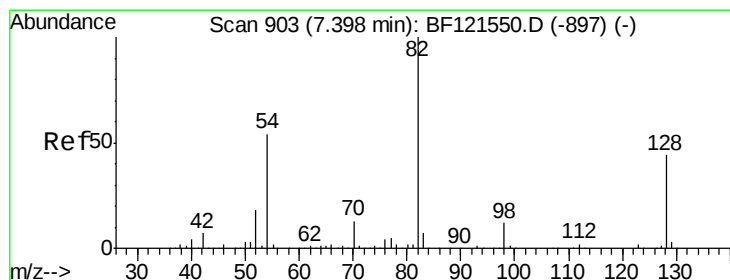
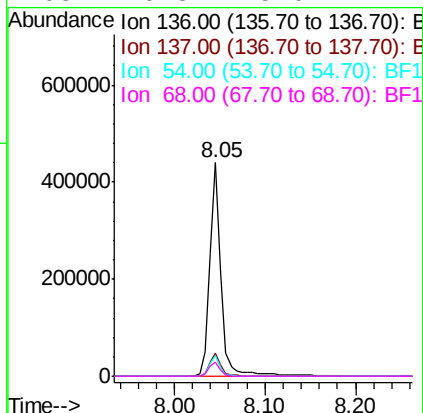
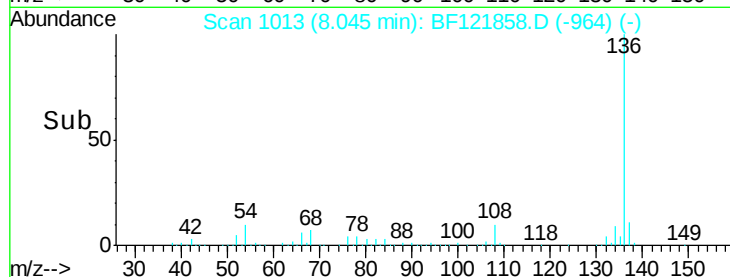
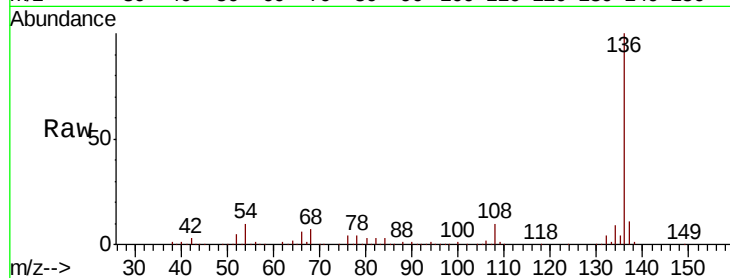




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

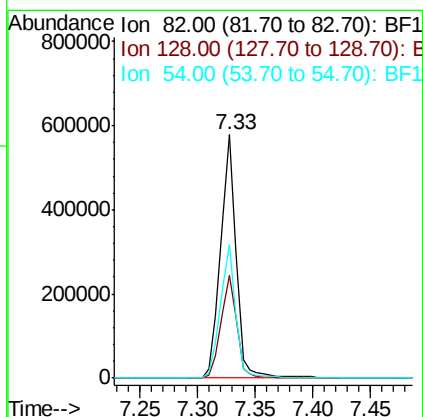
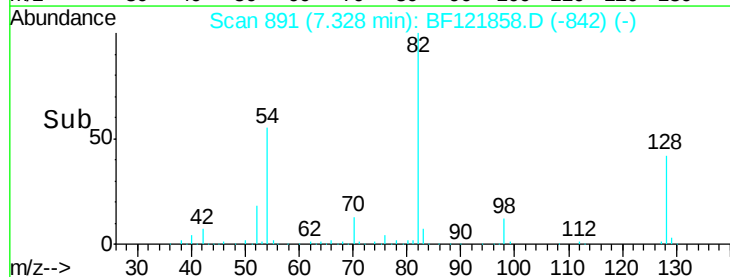
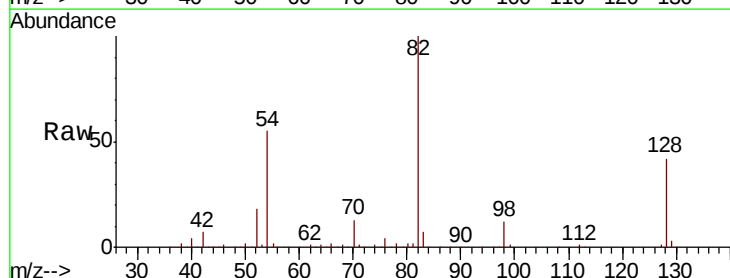
Instrument :
BNA_F
ClientSampleId :
24702

Tot Ion:136	Resp:	391935
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.6	13.0
54 9.6	7.1	10.7
68 6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.495 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion: 82	Resp: 551092
Ion Ratio	Lower Upper
82 100	
128 42.2	35.0 52.4
54 54.9	43.9 65.9





#25

Isophorone

Concen: 37.503 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

ClientSampleId :

24702

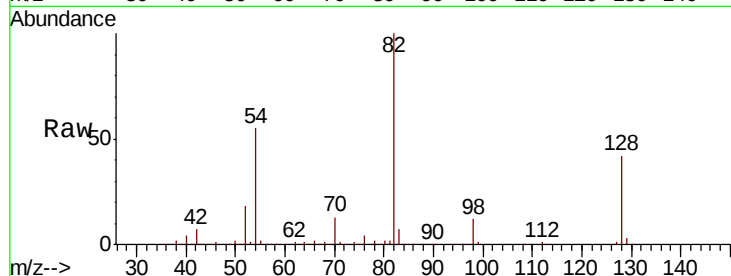
Tot Ion: 82 Resp: 551088

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.0#



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

7.33

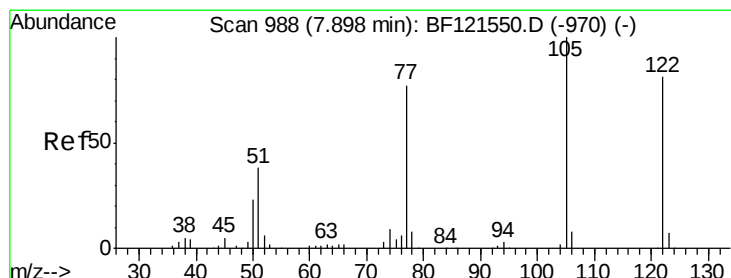
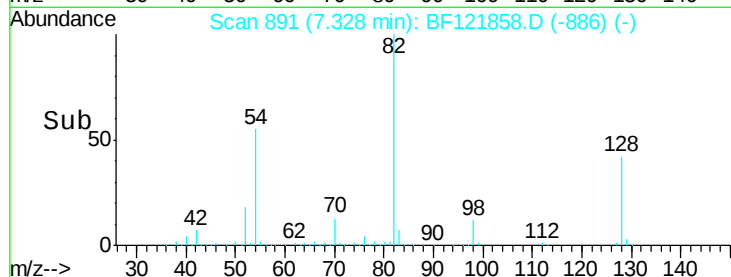
600000

400000

200000

0

Time--> 7.25 7.30 7.35 7.40 7.45



#32

Benzoic acid

Concen: 6.956 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

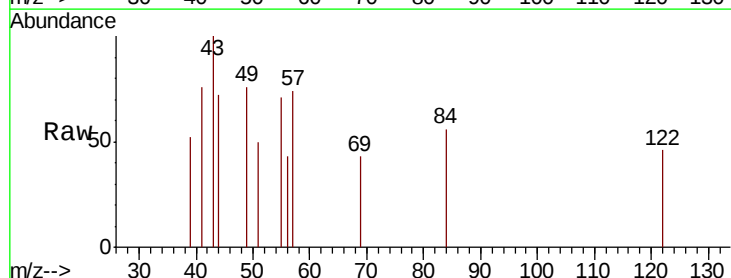
Tgt Ion: 122 Resp: 116

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 73.9 113.9#



Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

7.85

500

400

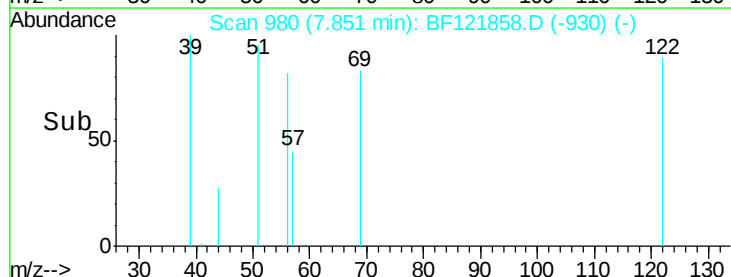
300

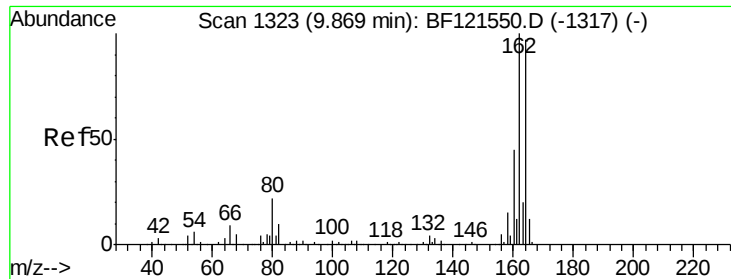
200

100

0

Time--> 7.83 7.84 7.85 7.86 7.87

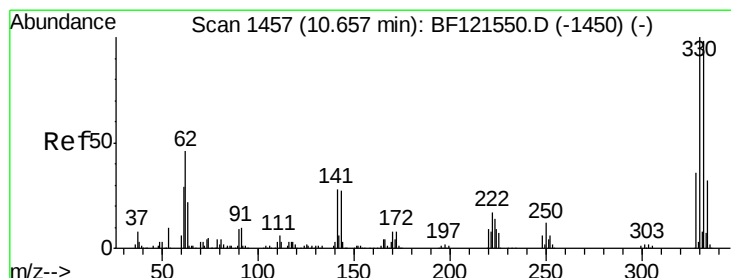
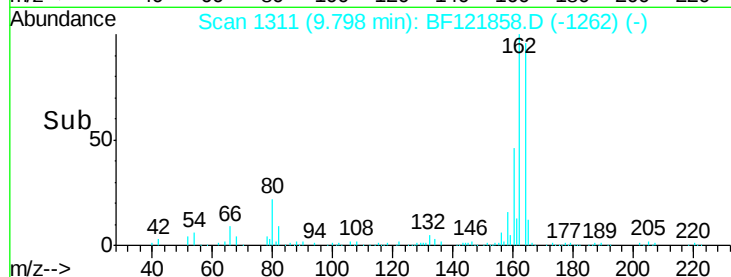
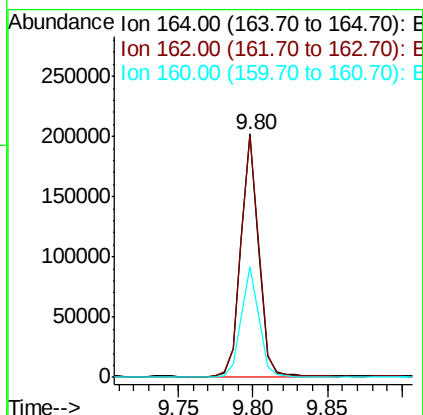
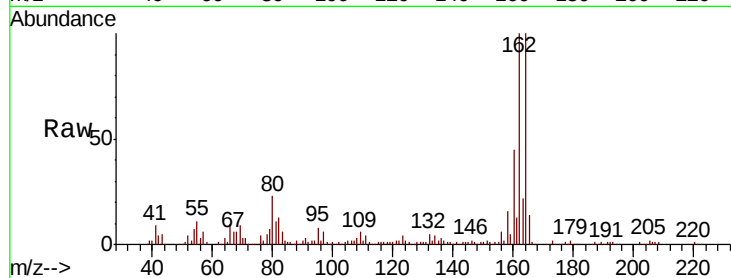




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

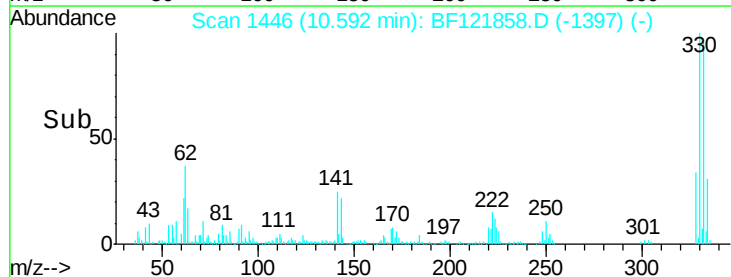
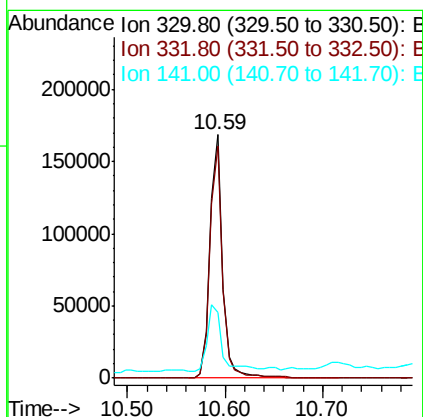
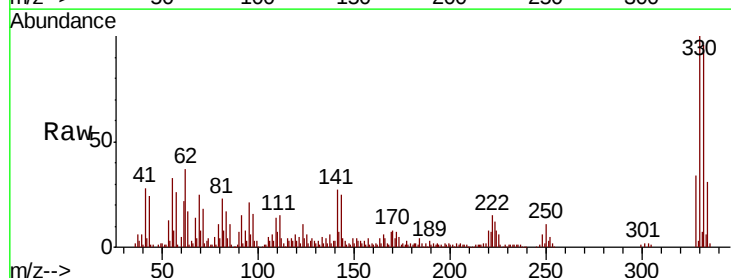
Instrument :
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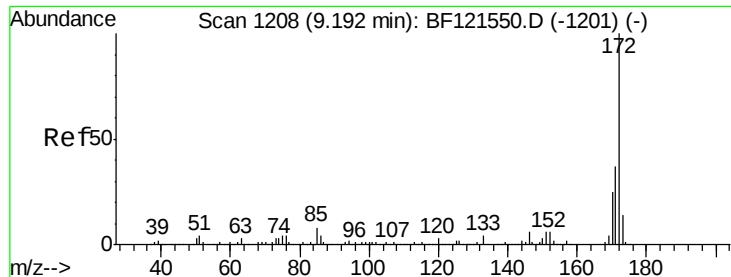
Tot Ion:164 Resp: 166640
 Ion Ratio Lower Upper
 164 100
 162 99.7 83.2 124.8
 160 45.4 37.5 56.3



#42
 2,4,6-Tribromophenol
 Concen: 73.365 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Tgt Ion:330 Resp: 151947
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.3 115.9
 141 29.1 22.3 33.5

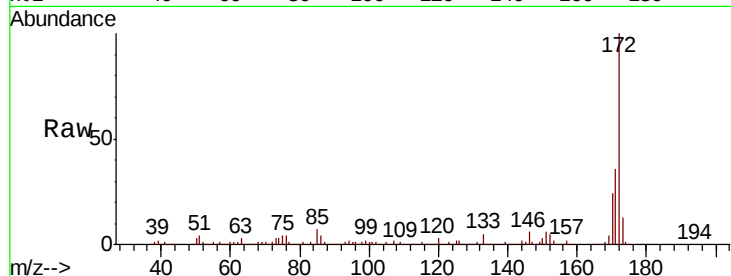




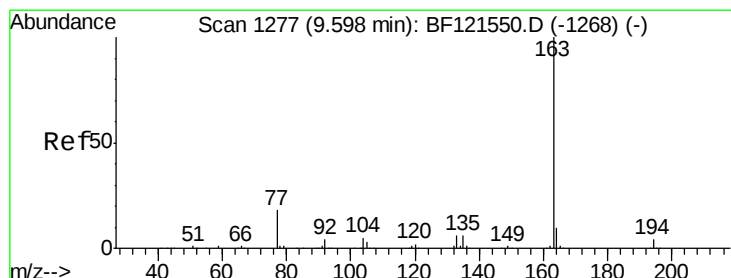
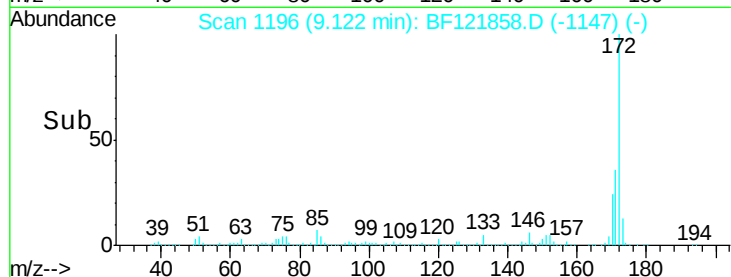
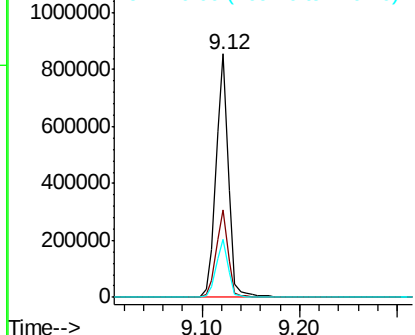
#45
2-Fluorobiphenyl
Concen: 68.555 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampleId :
24702

Tot Ion:172 Resp: 754288
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 24.0 19.8 29.6

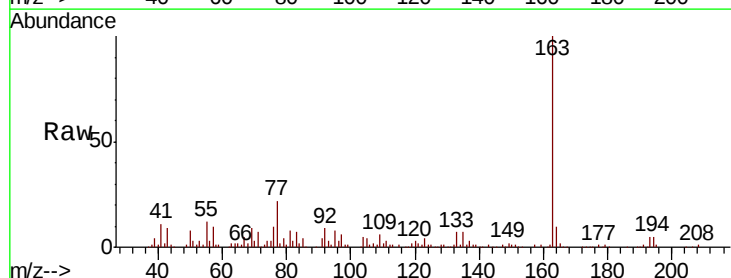


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

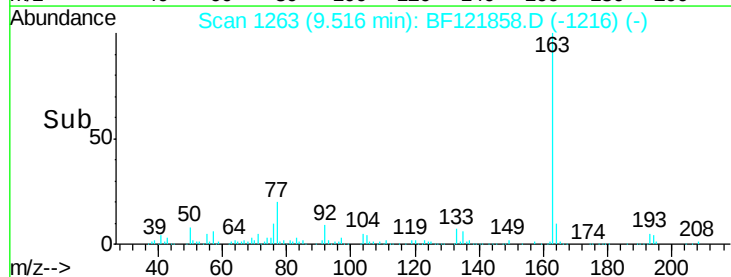
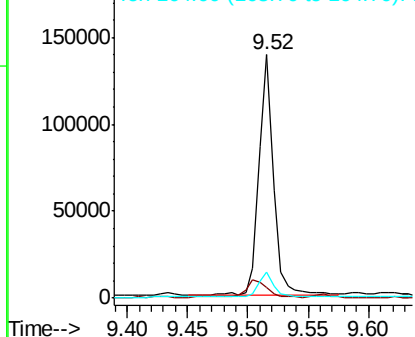


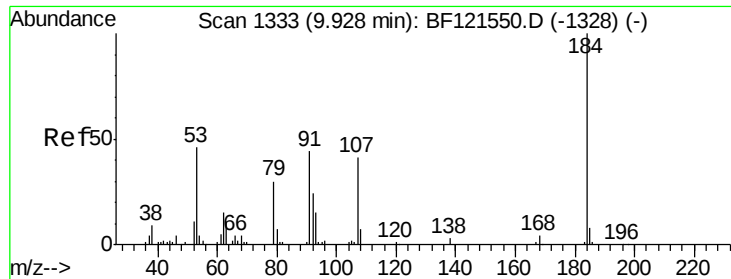
#50
Dimethylphthalate
Concen: 9.917 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion:163 Resp: 119774
Ion Ratio Lower Upper
163 100
194 4.6 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

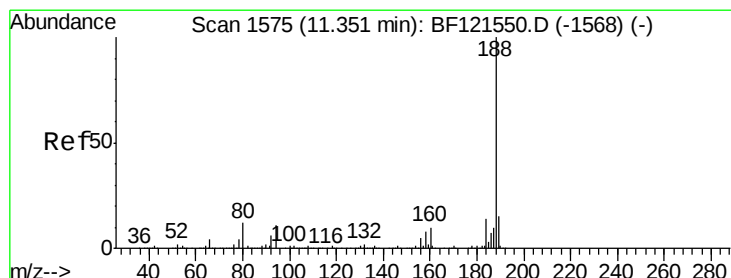
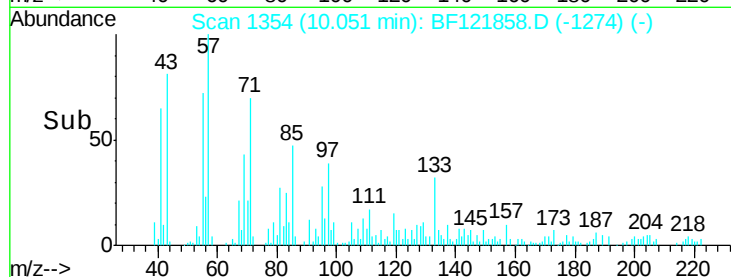
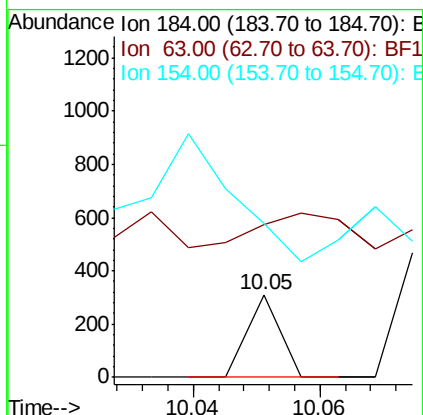
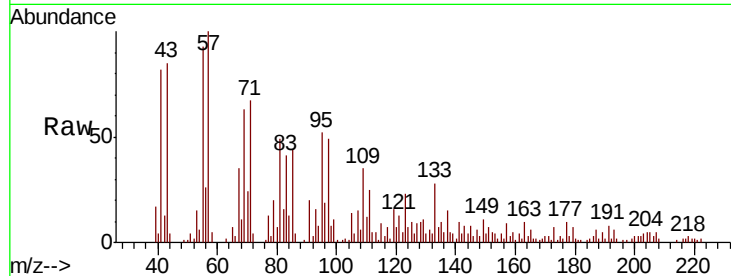




#54
 2,4-Dinitrophenol
 Concen: 9.114 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. 0.17 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

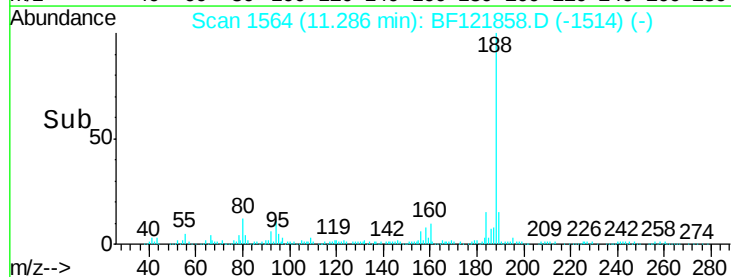
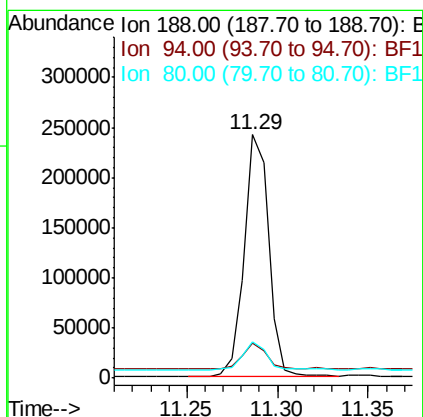
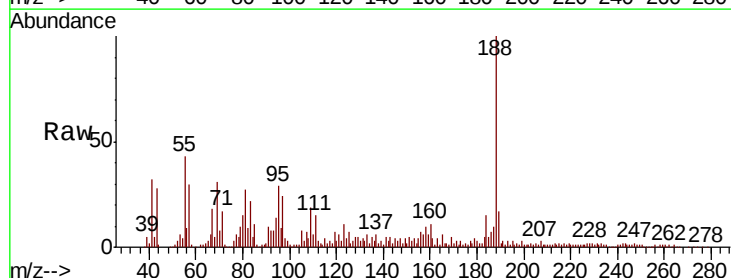
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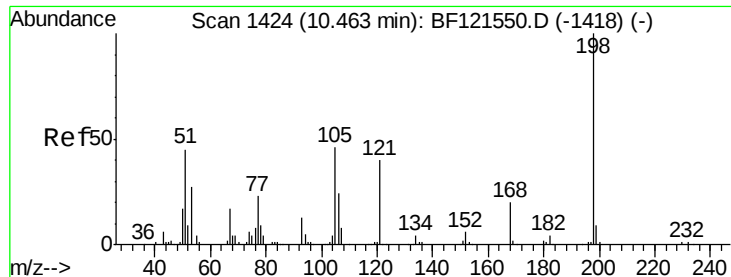
Tot Ion:184 Resp: 110
 Ion Ratio Lower Upper
 184 100
 63 184.9 45.9 68.9#
 154 186.8 45.8 68.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Tgt Ion:188 Resp: 226140
 Ion Ratio Lower Upper
 188 100
 94 14.3 8.3 12.5#
 80 15.2 9.1 13.7#

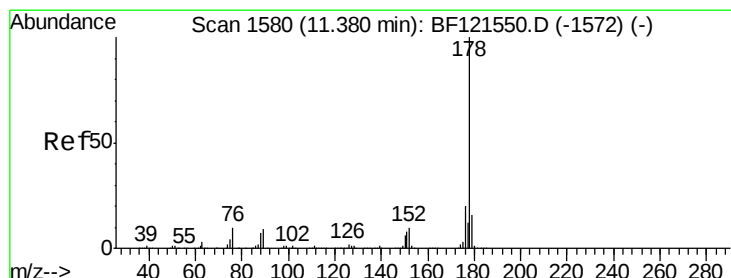
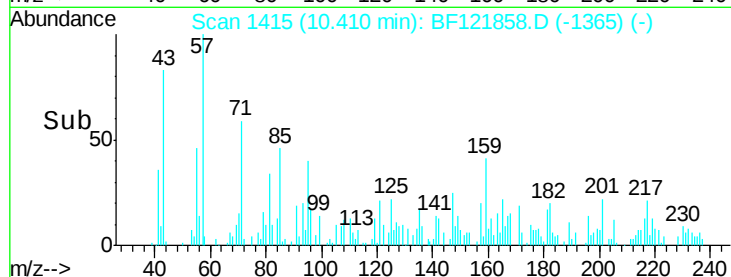
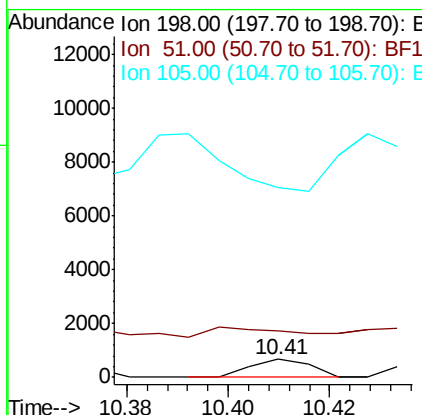
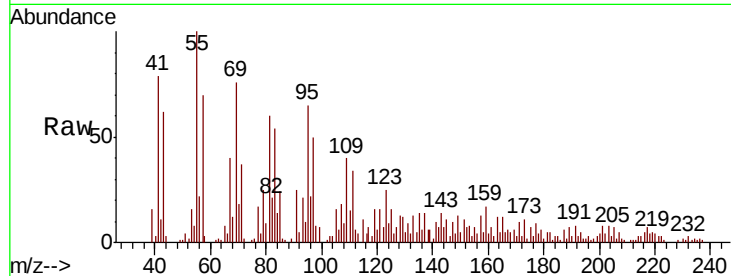




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.191 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

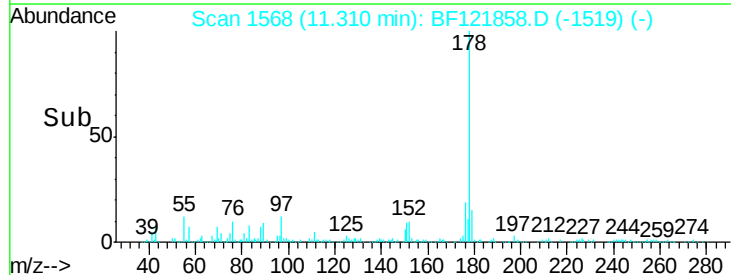
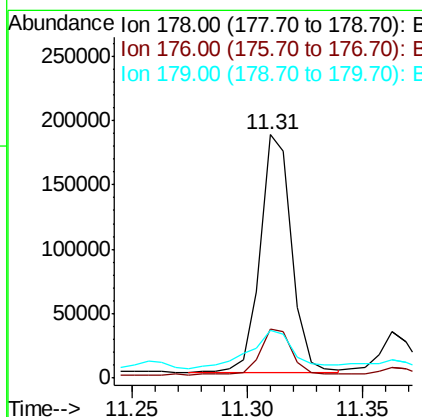
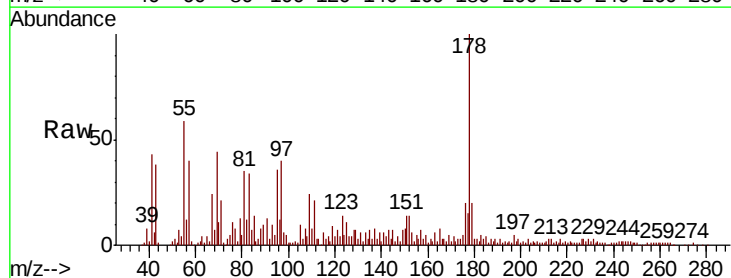
Instrument :
 BNA_F
 ClientSampleId :
 24702

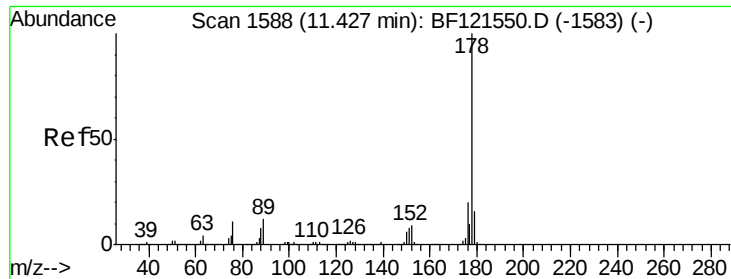
Tot Ion:198 Resp: 548
 Ion Ratio Lower Upper
 198 100
 51 265.9 29.6 69.6#
 105 1068.4 24.4 64.4#



#71
 Phenanthrene
 Concen: 14.233 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Tgt Ion:178 Resp: 175364
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.9 23.9
 179 19.8 12.2 18.4#

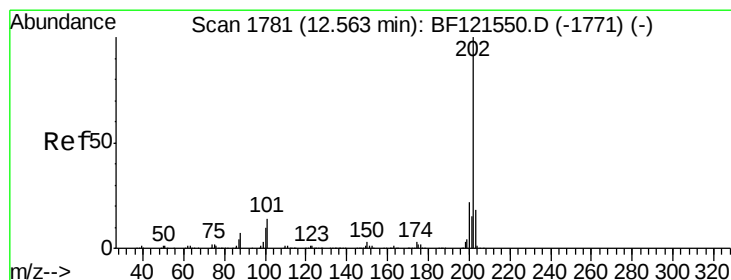
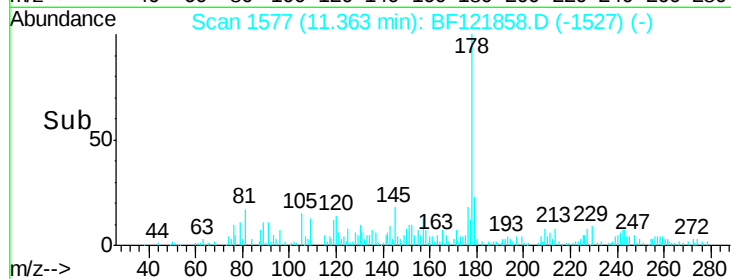
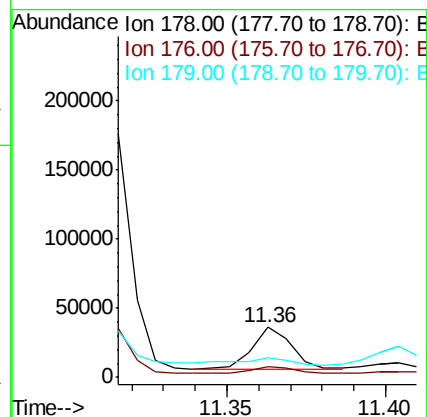
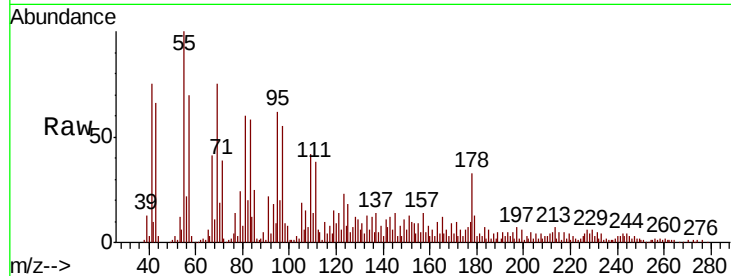




#72
 Anthracene
 Concen: 2.088 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

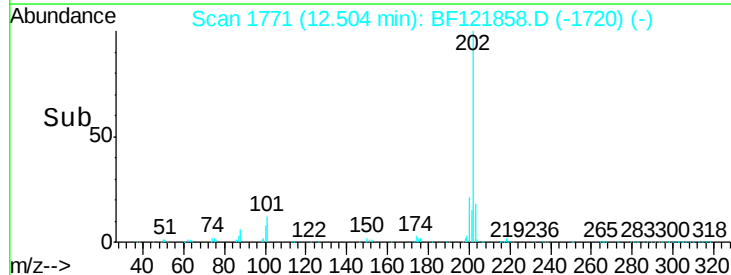
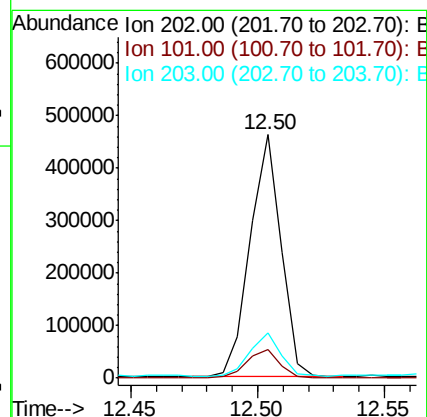
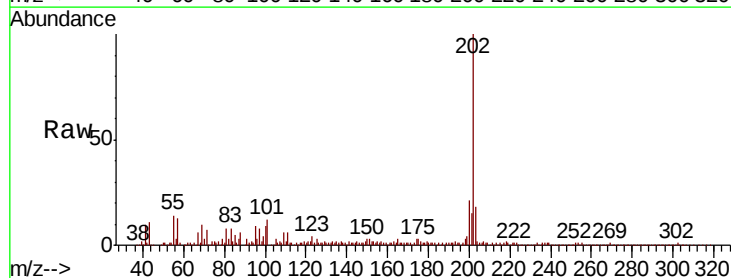
Instrument :
 BNA_F
 ClientSampleId :
 24702

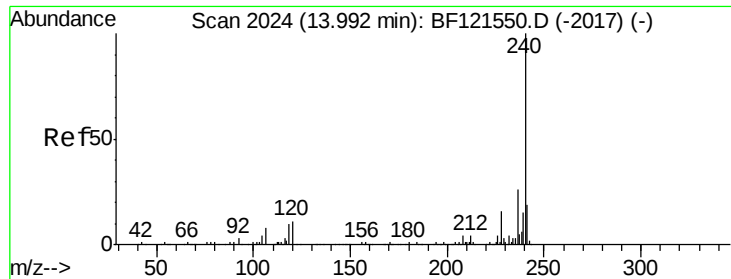
Tot Ion:178 Resp: 26552
 Ion Ratio Lower Upper
 178 100
 176 22.6 15.7 23.5
 179 38.3 12.7 19.1#



#75
 Fluoranthene
 Concen: 29.863 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Tgt Ion:202 Resp: 392771
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.4
 203 18.4 0.0 37.9

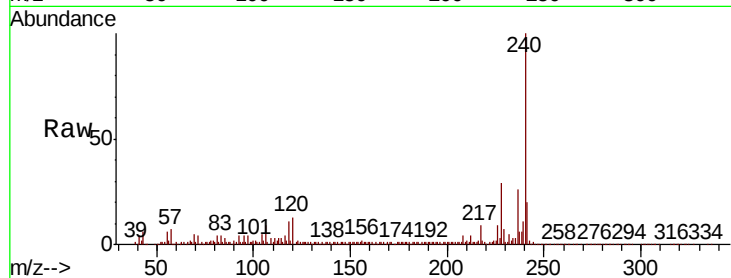




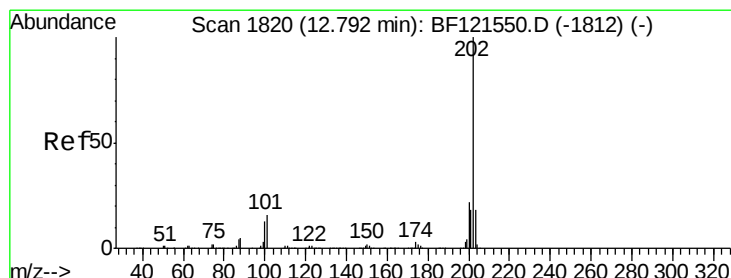
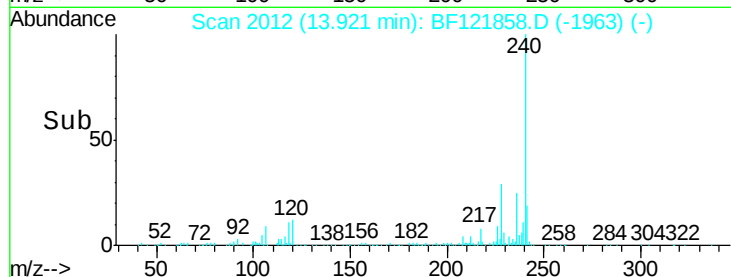
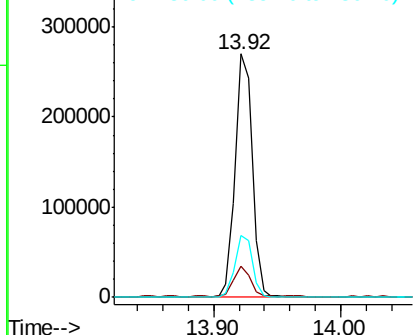
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampleId :
24702

Tot Ion:240 Resp: 250133
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 25.5 20.9 31.3

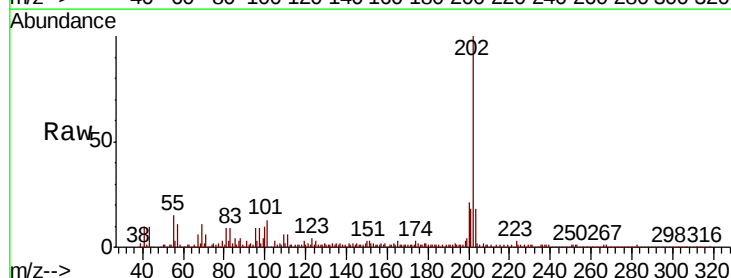


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

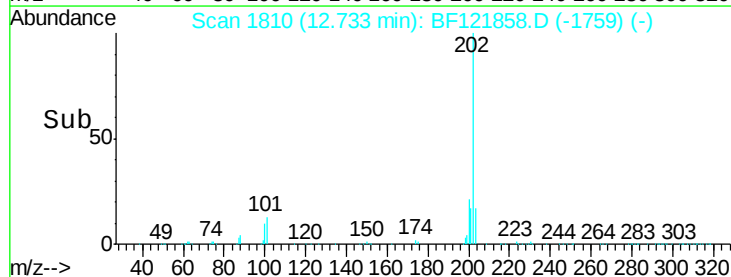
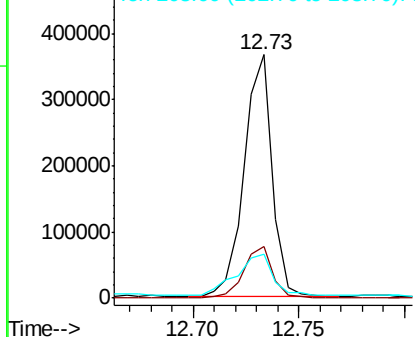


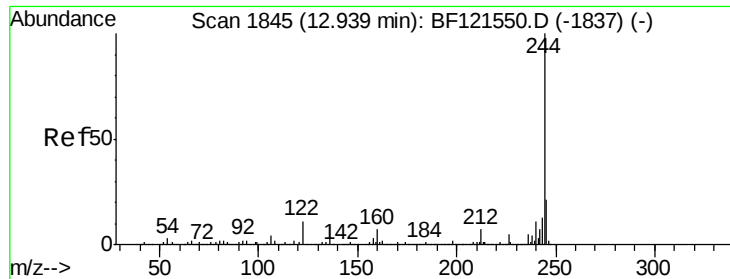
#78
Pyrene
Concen: 18.376 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion:202 Resp: 335839
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.3 14.6 21.8



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





#79

Terphenyl-d14

Concen: 44.042 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

ClientSampleId :

24702

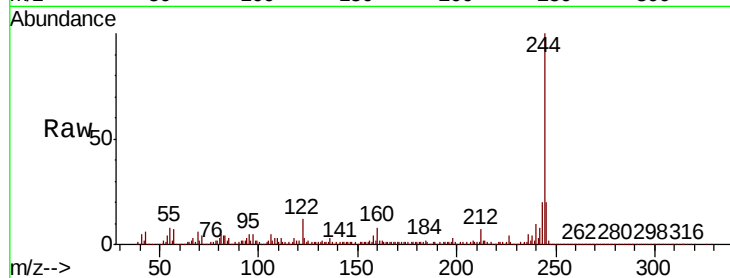
Tot Ion:244 Resp: 543771

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

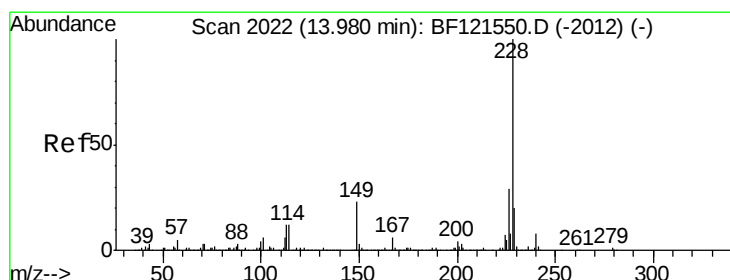
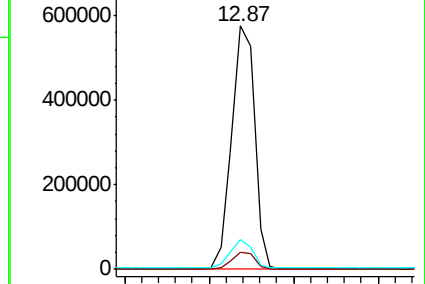
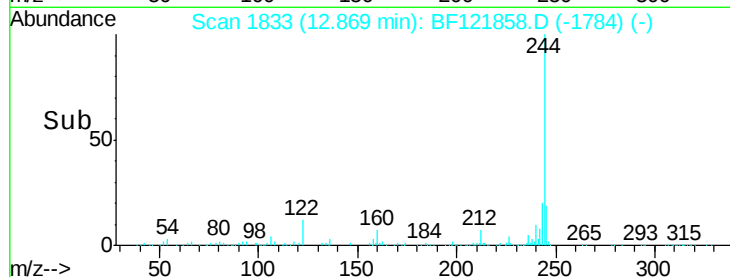
122 12.2 8.1 12.1#



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: 12.560 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

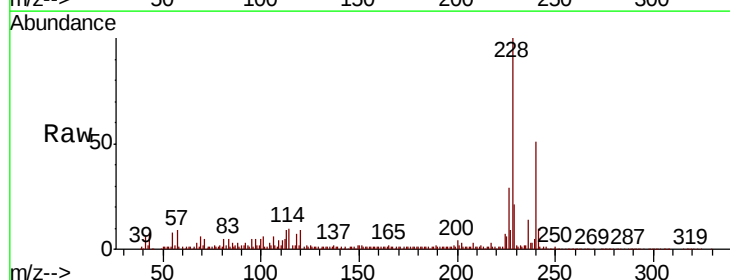
Tgt Ion:228 Resp: 198760

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

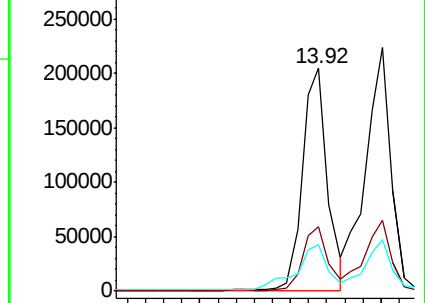
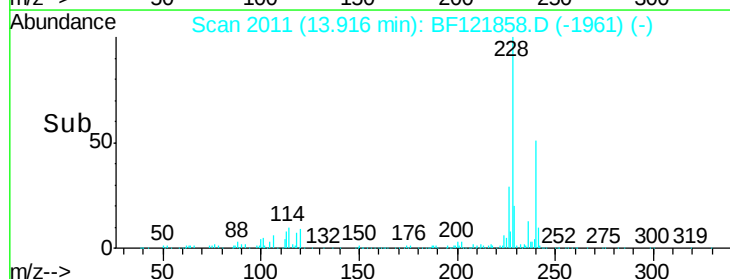
229 20.9 16.2 24.4

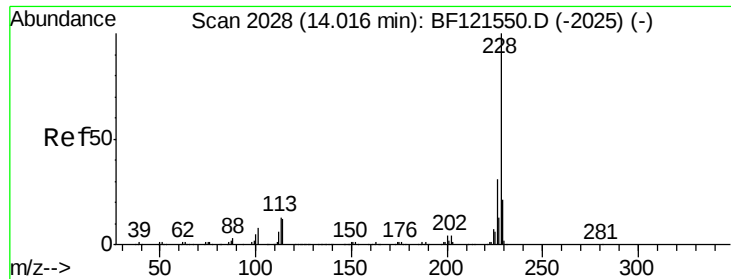


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

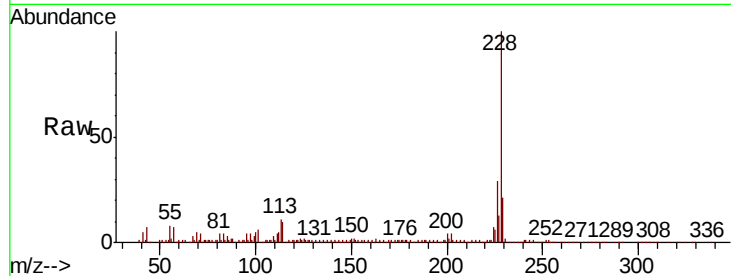




#83
 Chrvsene
 Concen: 13.742 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 24702

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.6	37.0
229	21.1	15.9	23.9

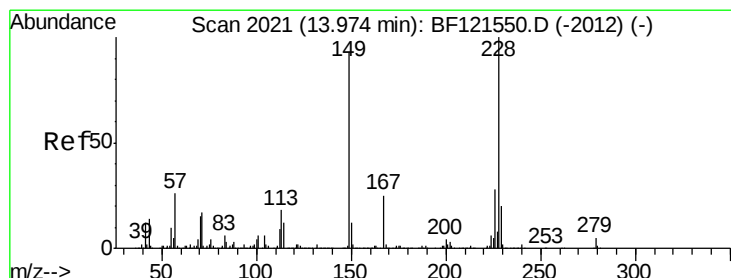
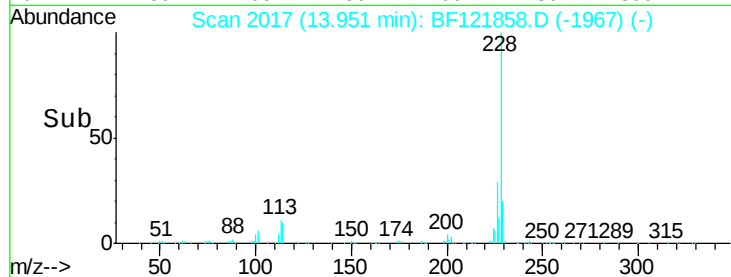
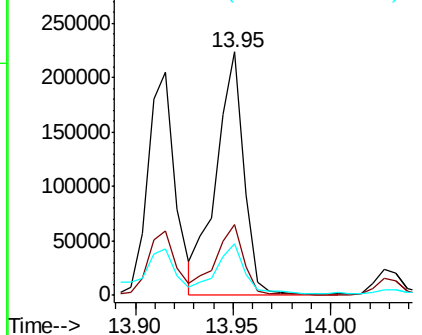


Abundance

Ion 228.00 (227.70 to 228.70): E

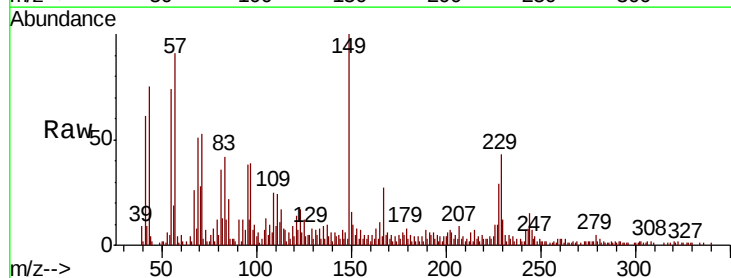
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.257 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.9	31.3
279	5.0	3.2	4.8#

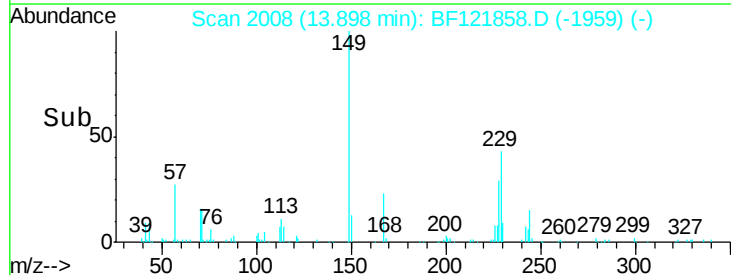
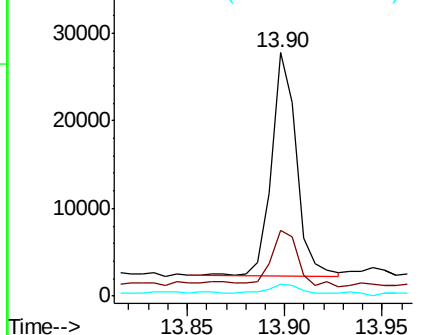


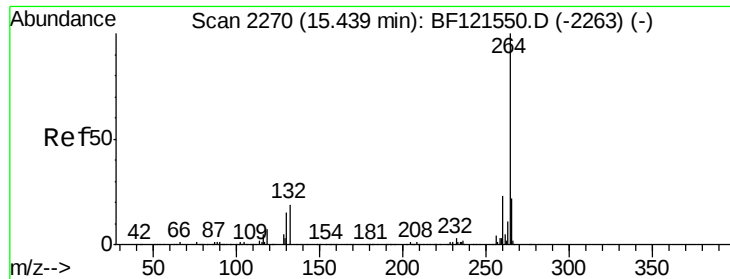
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

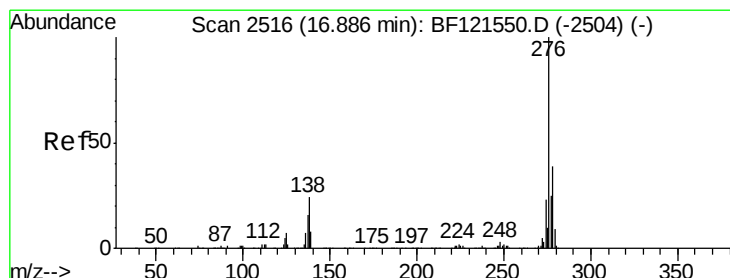
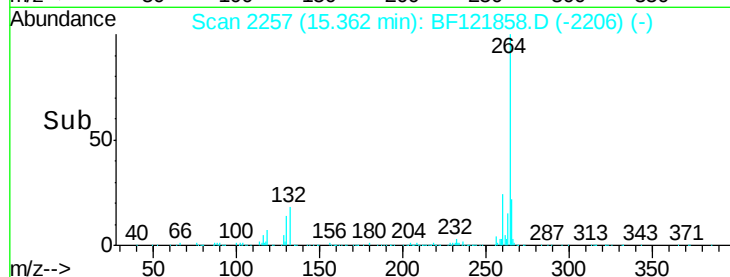
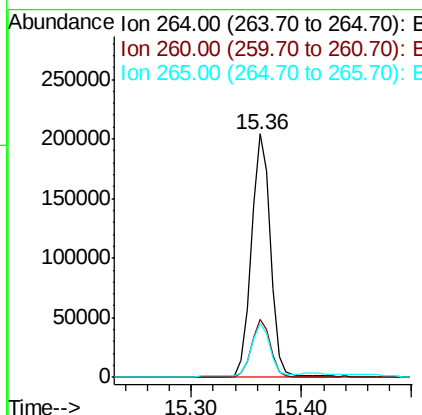
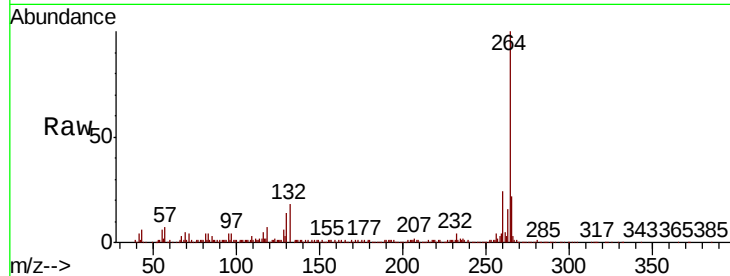




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

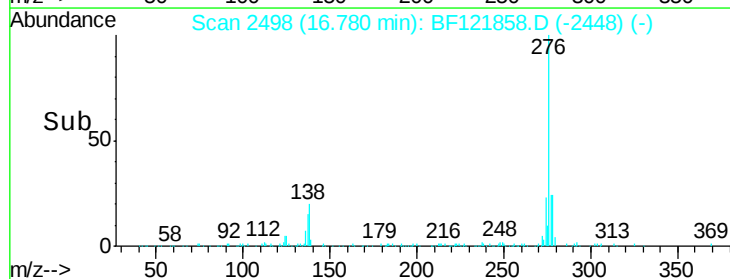
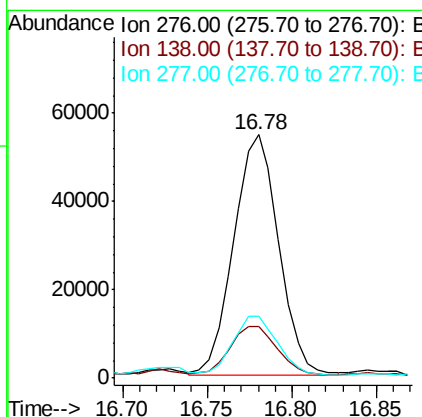
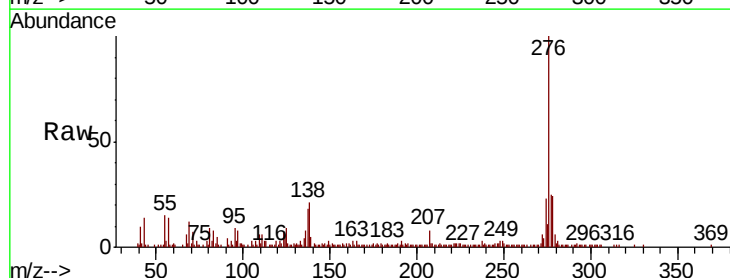
Instrument :
BNA_F
ClientSampleId :
24702

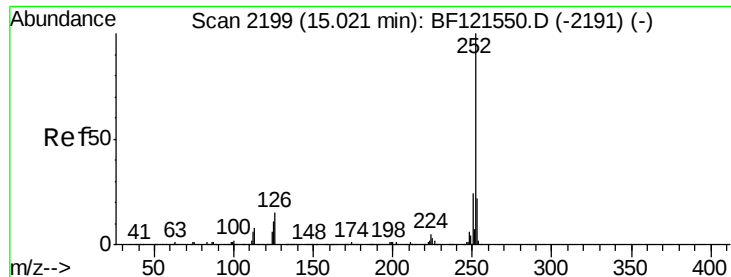
Tot Ion:264 Resp: 246909
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.2 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.319 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion:276 Resp: 101608
Ion Ratio Lower Upper
276 100
138 21.7 19.9 29.9
277 24.2 20.4 30.6

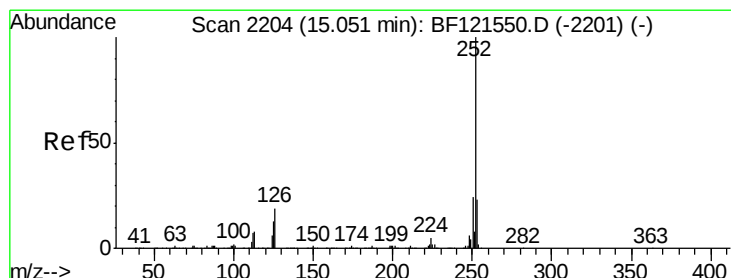
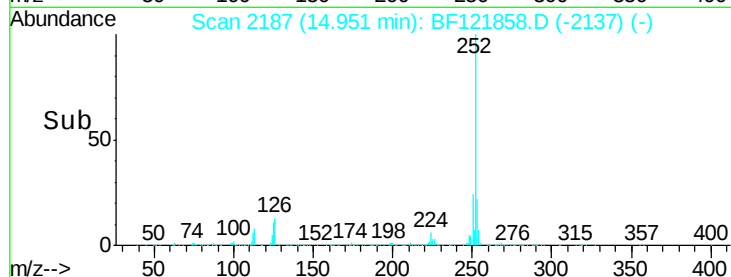
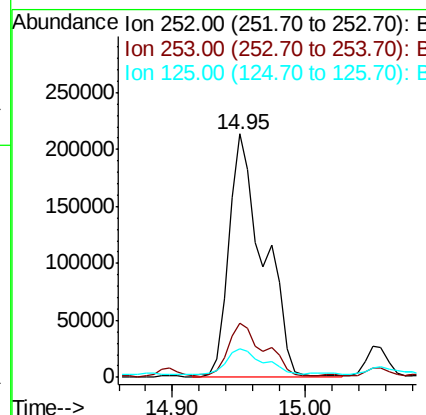
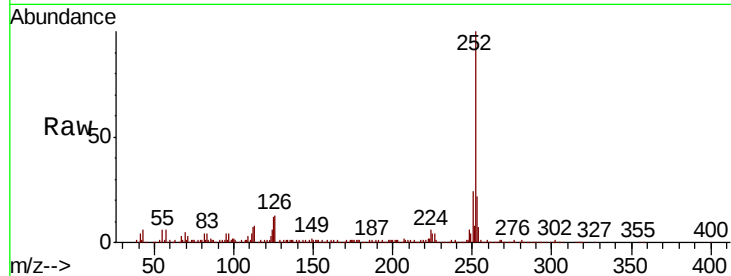




#88
Benzo(b)fluoranthene
Concen: 23.136 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

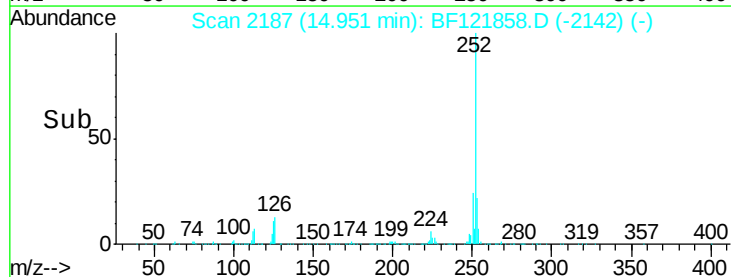
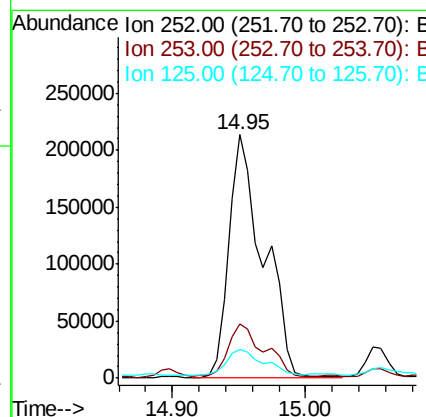
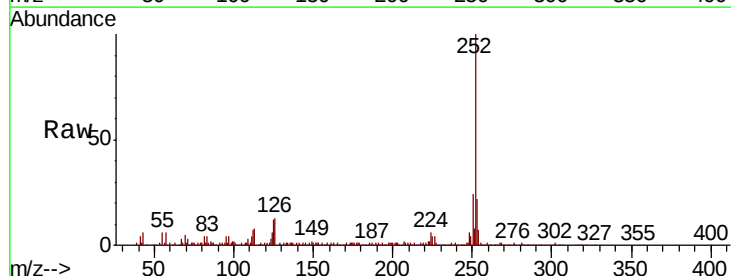
Instrument :
BNA_F
ClientSampleId :
24702

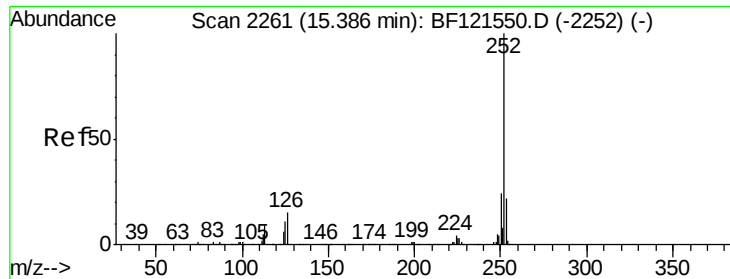
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	12.0	8.0	12.0



#89
Benzo(k)fluoranthene
Concen: 25.265 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.0	7.7	11.5#

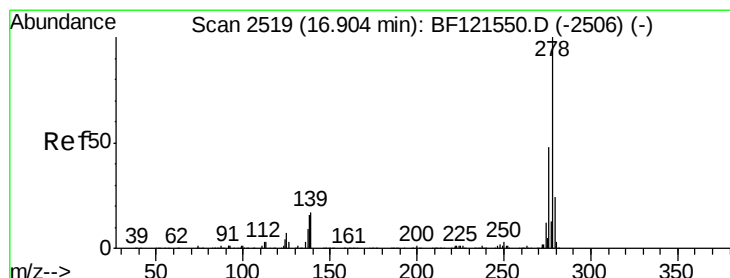
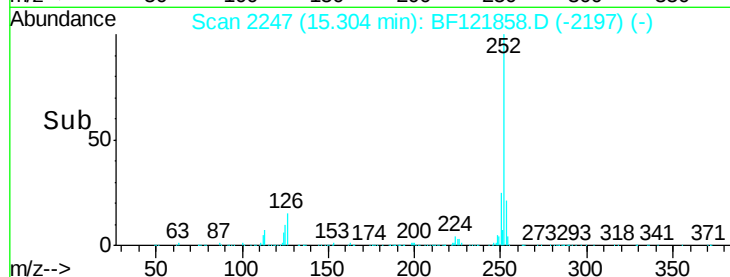
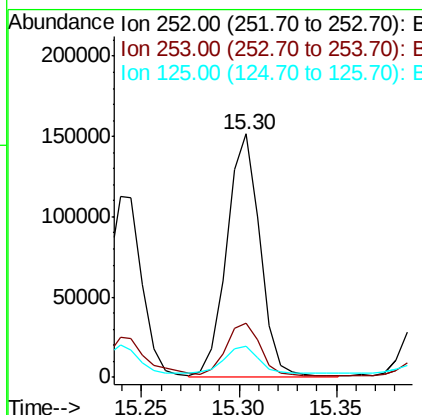
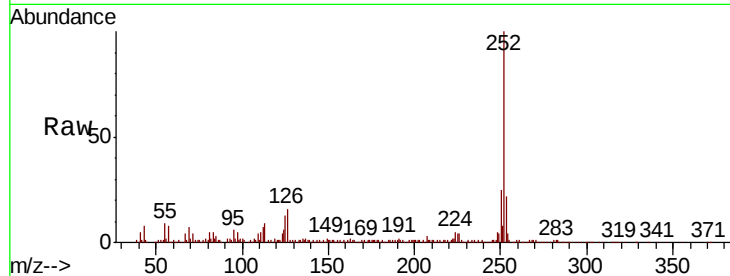




#90
Benzo(a)pyrene
Concen: 12.609 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

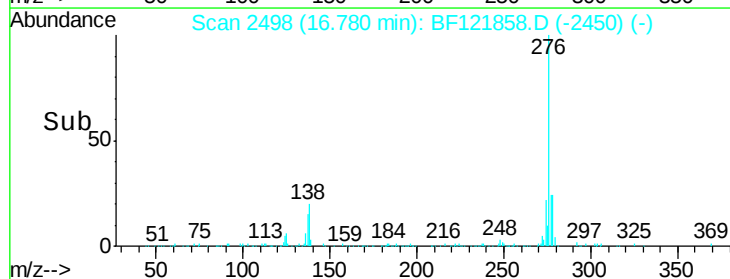
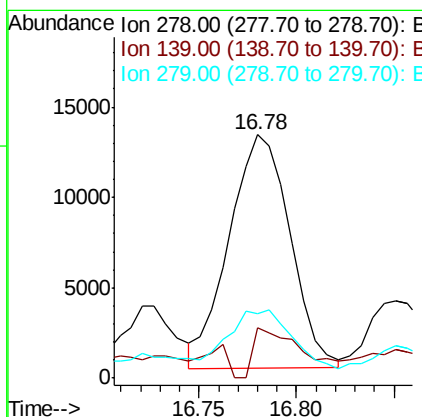
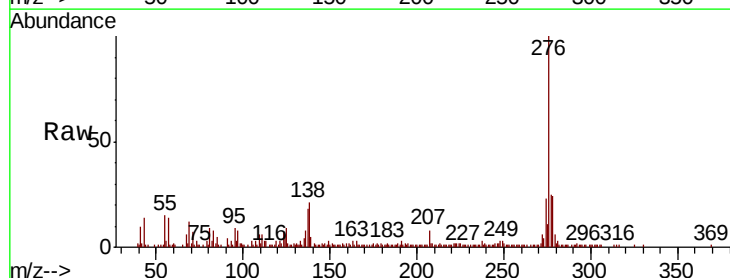
Instrument :
BNA_F
ClientSampleId :
24702

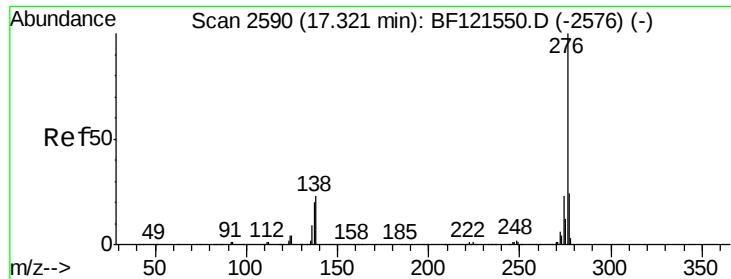
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.6	8.6	13.0



#91
Dibenzo(a,h)anthracene
Concen: 2.097 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.0	19.4#
279	26.4	19.0	28.4

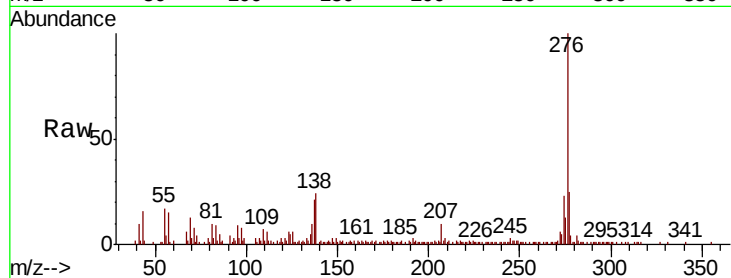




#92
 Benzo(a,h,i)perylene
 Concen: 7.029 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 24702

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.5	19.4	29.2	
138	24.4	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

