

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121859.D
 Acq On : 6 Oct 2020 18:32
 Operator : JU/CG
 Sample : L4231-02 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 337

Quant Time: Oct 07 00:25:49 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	124140	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	470726	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	210397	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	306327	20.00	ng	0.00
76) Chrysene-d12	13.93	240	227329	20.00	ng	0.00
86) Perylene-d12	15.39	264	217799	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	130348	15.60	ng	0.00
7) Phenol-d6	6.40	99	171762	15.67	ng	-0.01
23) Nitrobenzene-d5	7.32	82	108178	12.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	30405	11.63	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	199946	14.39	ng	-0.01
79) Terphenyl-d14	12.86	244	140816	12.55	ng	-0.02

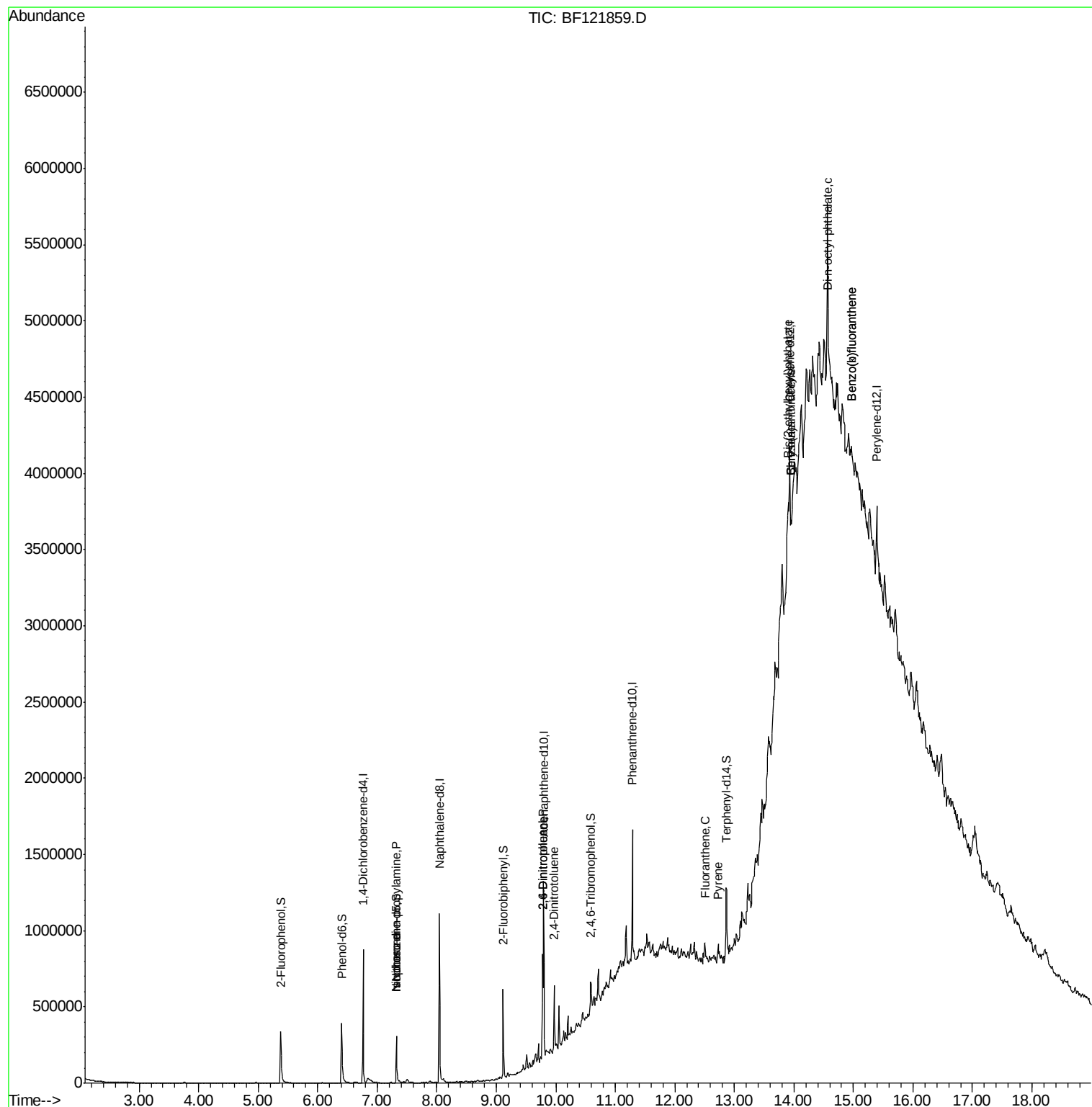
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	14968	2.370	ng	# 82
25) Isophorone	7.32	82	108177	6.130	ng	# 67
51) 2,6-Dinitrotoluene	9.78	165	76337	23.506	ng	# 33
54) 2,4-Dinitrophenol	9.78	184	342	9.210	ng	# 1
57) 2,4-Dinitrotoluene	9.97	165	28703	7.025	ng	# 36
75) Fluoranthene	12.50	202	43439	2.438	ng	97
78) Pyrene	12.73	202	51445	3.097	ng	98
81) Benzo(a)anthracene	13.95	228	41860	2.911	ng	93
83) Chrysene	13.95	228	41860	2.874	ng	# 96
84) Bis(2-ethylhexyl)phthalate	13.91	149	62755	6.993	ng	# 87
85) Di-n-octyl phthalate	14.56	149	143256	9.046	ng	# 1
88) Benzo(b)fluoranthene	14.97	252	50540	3.471	ng	# 1
89) Benzo(k)fluoranthene	14.97	252	50540	3.791	ng	# 1

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

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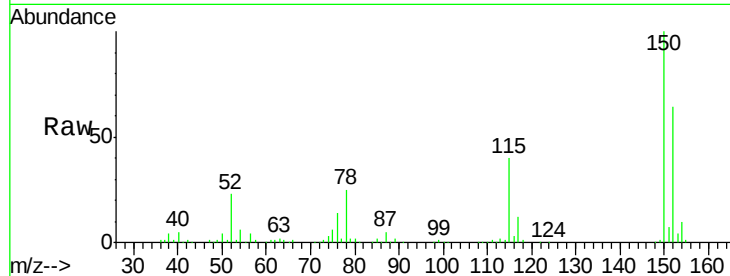


#1

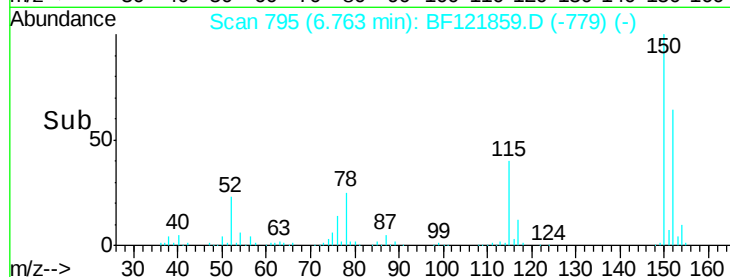
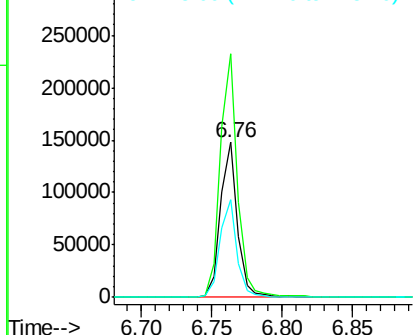
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Instrument :
BNA_F
ClientSampleId :
337

Tot Ion:152 Resp: 124140
Ion Ratio Lower Upper
152 100
150 157.3 125.3 187.9
115 63.0 51.9 77.9



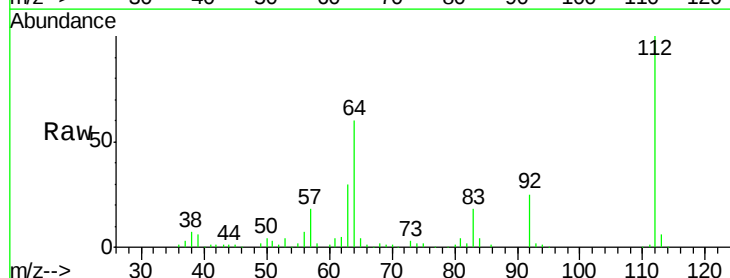
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



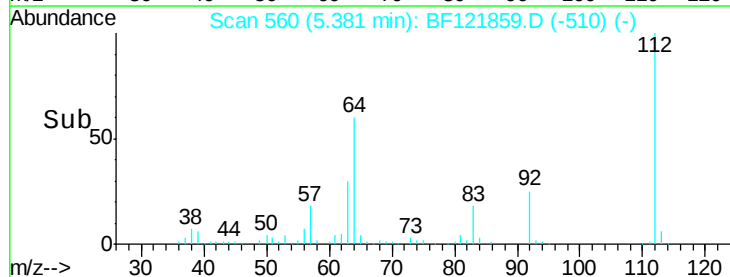
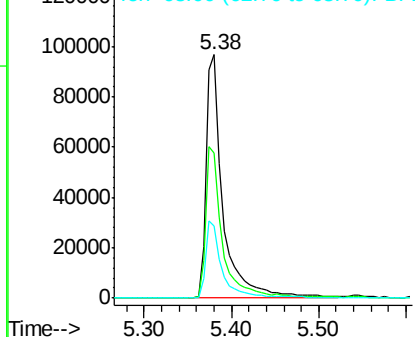
#5

2-Fluorophenol
Concen: 15.604 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion:112 Resp: 130348
Ion Ratio Lower Upper
112 100
64 59.6 50.4 75.6
63 29.6 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: 15.673 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampleId :

337

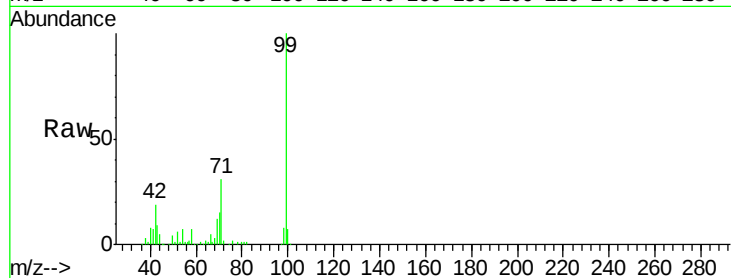
Tot Ion: 99 Resp: 171762

Ion Ratio Lower Upper

99 100

42 18.8 15.9 23.9

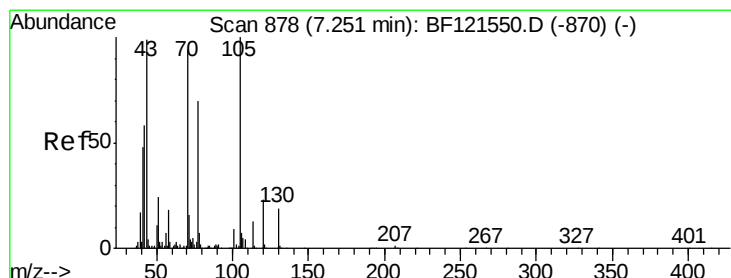
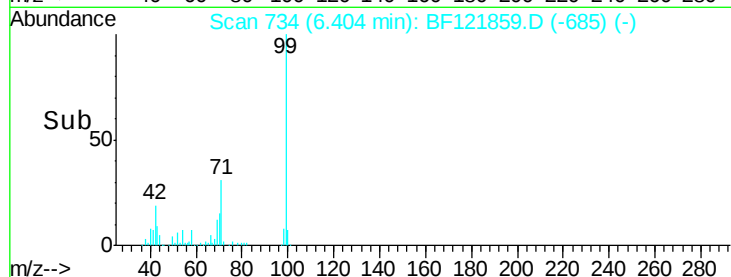
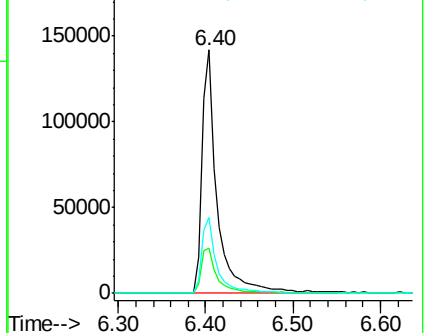
71 31.4 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.370 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Tgt Ion: 70 Resp: 14968

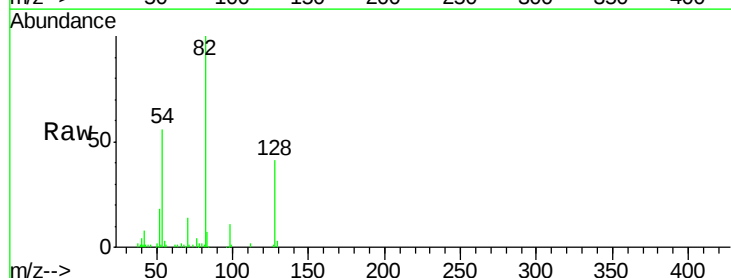
Ion Ratio Lower Upper

70 100

42 55.5 50.2 75.4

101 0.0 7.5 11.3#

130 0.0 15.5 23.3#

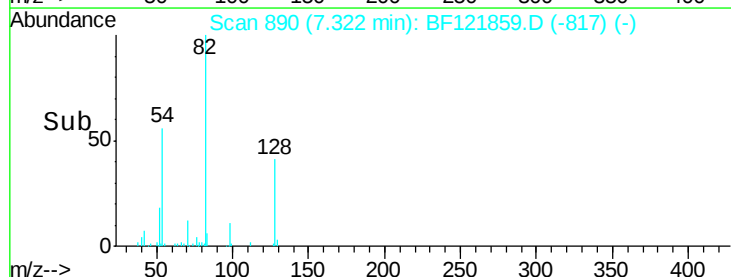
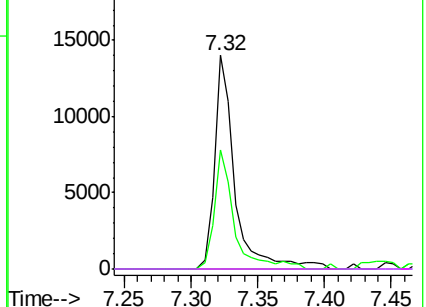


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

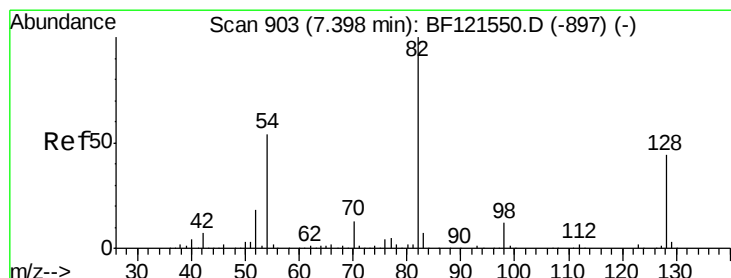
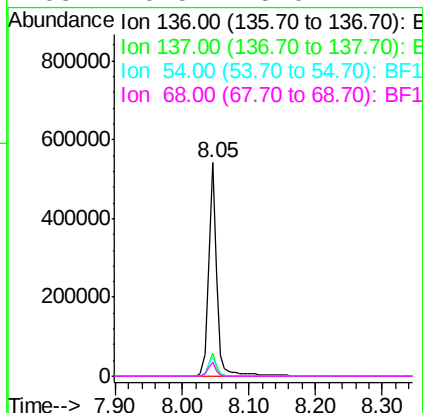
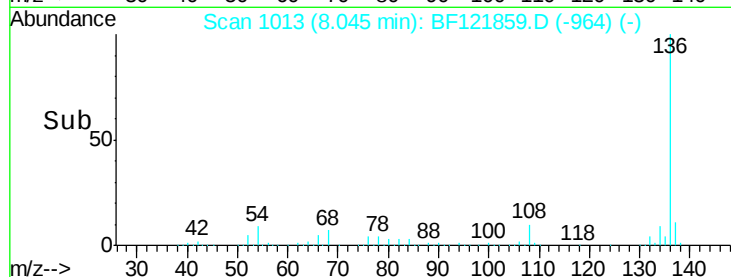
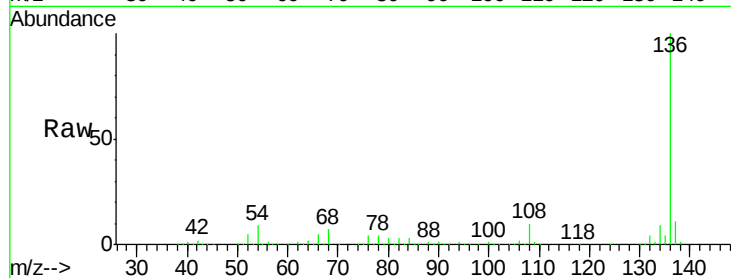




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

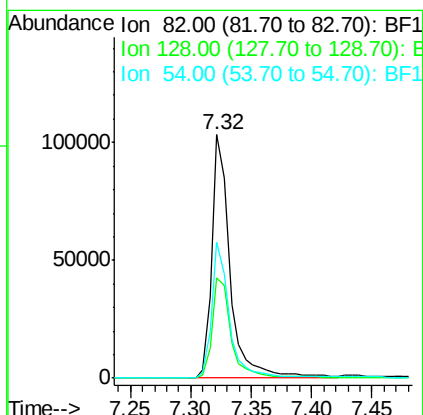
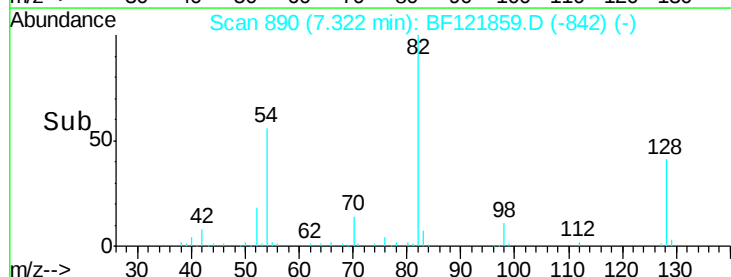
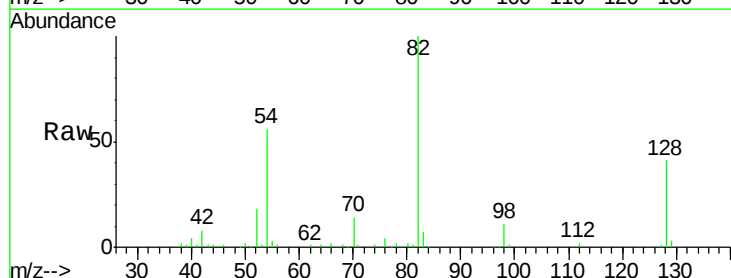
Instrument :
BNA_F
ClientSampleId :
337

Tot Ion:136	Resp:	470726
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 13.0
54	9.1	7.1 10.7
68	6.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 12.339 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion: 82	Resp:	108178
Ion Ratio	Lower	Upper
82	100	
128	40.9	35.0 52.4
54	56.1	43.9 65.9





#25

Isophorone

Concen: 6.130 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampleId :

337

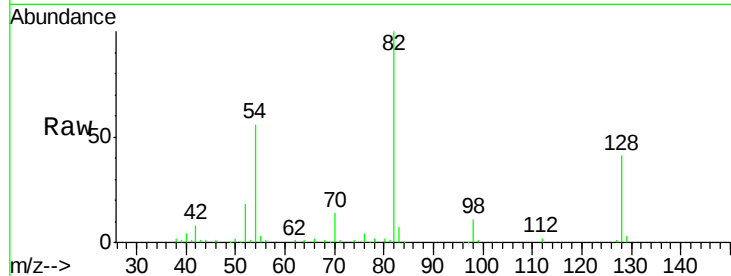
Tot Ion: 82 Resp: 108177

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

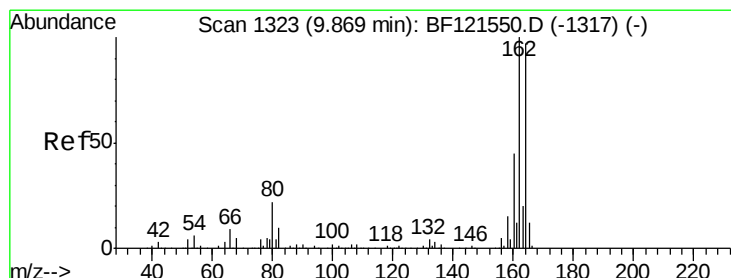
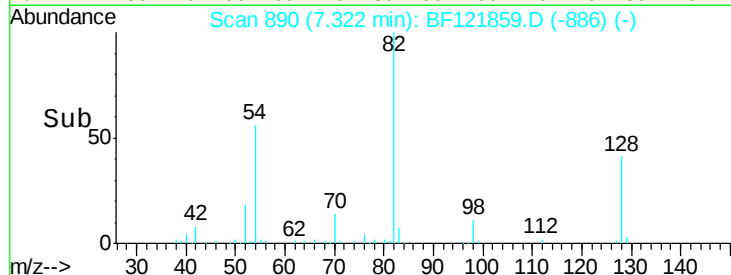
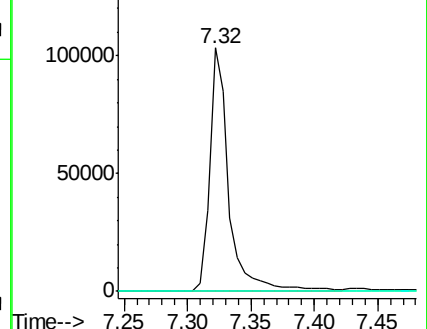
138 0.0 13.4 20.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

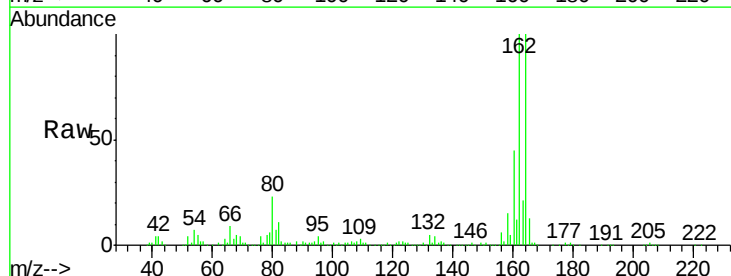
Tgt Ion: 164 Resp: 210397

Ion Ratio Lower Upper

164 100

162 100.4 83.2 124.8

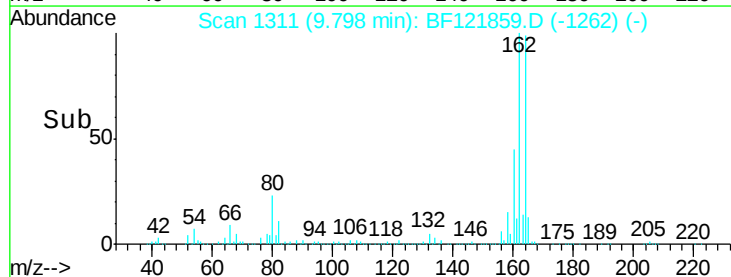
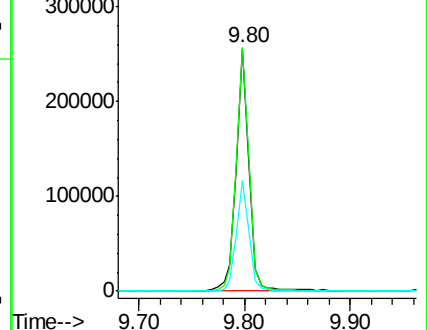
160 45.5 37.5 56.3

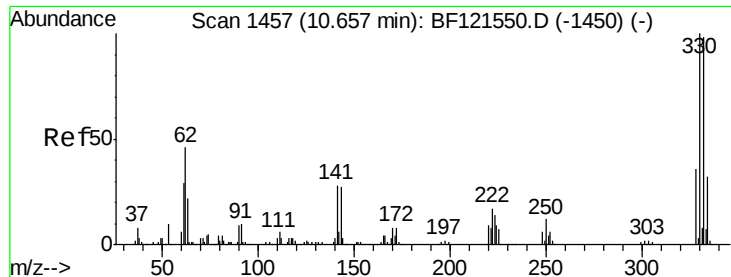


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

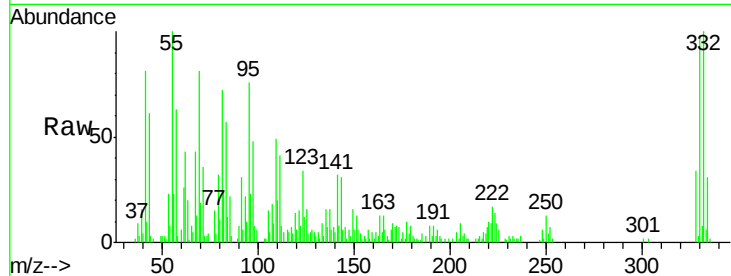




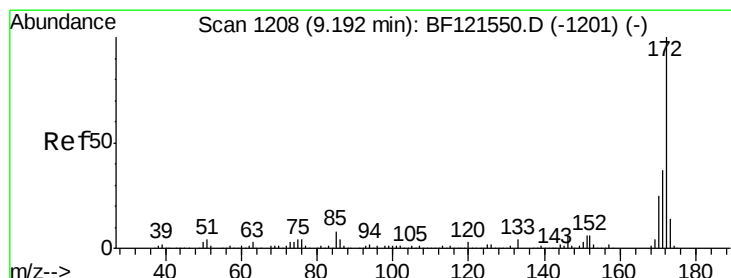
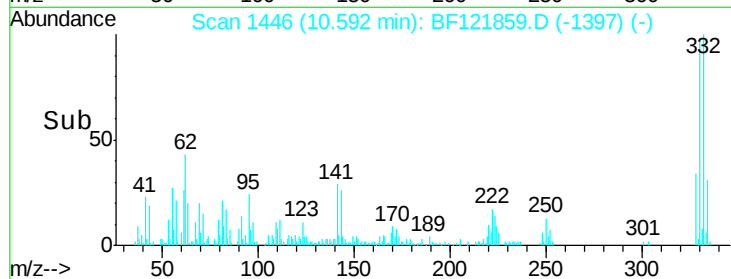
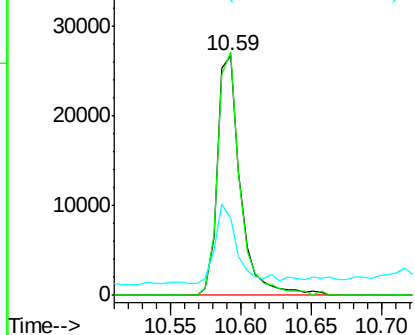
#42
 2,4,6-Tribromophenol
 Concen: 11.627 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Instrument :
 BNA_F
 ClientSampleId :
 337

Tot Ion:330 Resp: 30405
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.3 115.9
 141 30.4 22.3 33.5

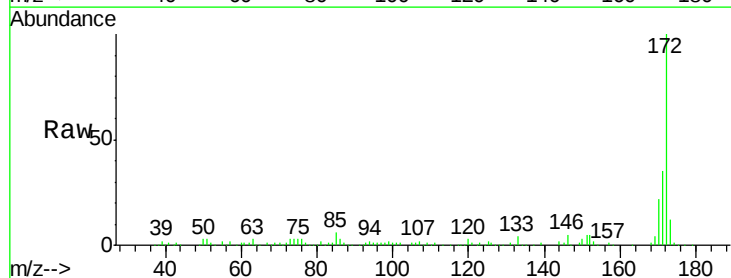


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

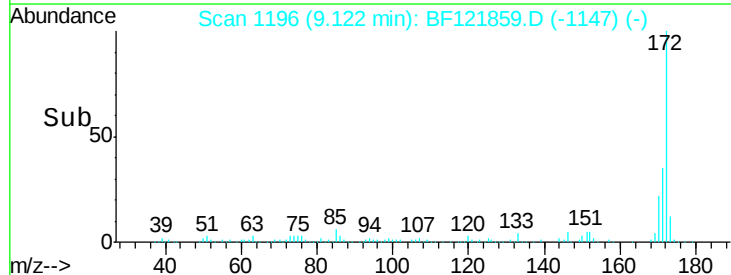
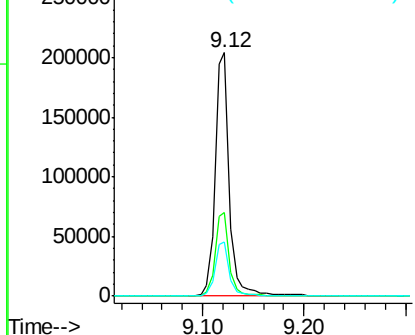


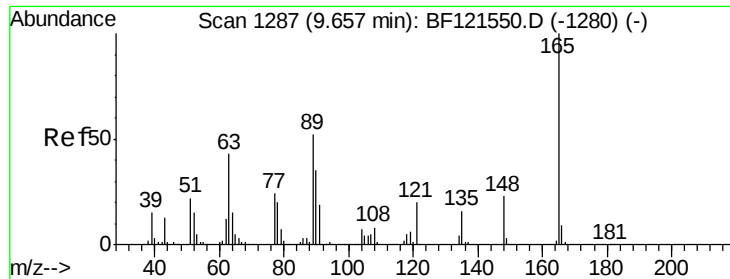
#45
 2-Fluorobiphenyl
 Concen: 14.393 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Tgt Ion:172 Resp: 199946
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.1 43.7
 170 22.3 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

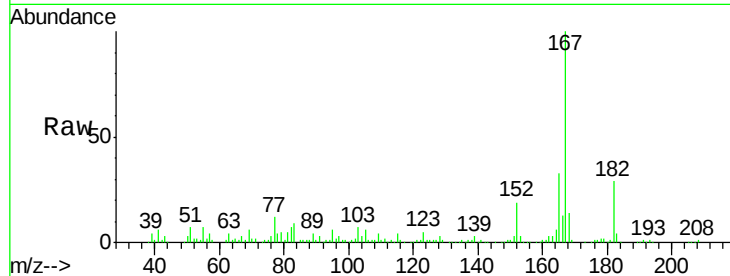




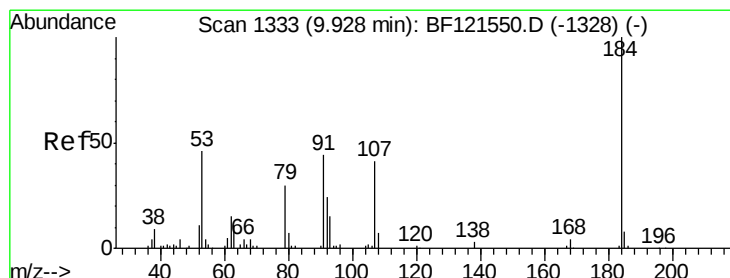
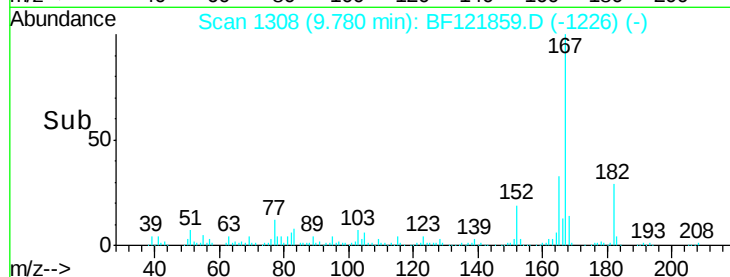
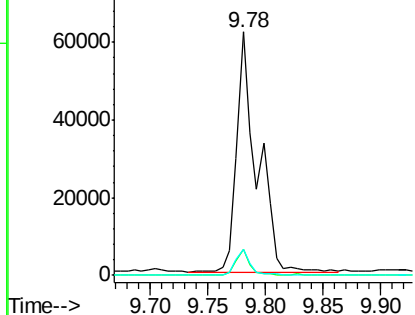
#51
 2,6-Dinitrotoluene
 Concen: 23.506 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. 0.18 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Instrument :
 BNA_F
 ClientSampleId :
 337

Tot Ion:165 Resp: 76337
 Ion Ratio Lower Upper
 165 100
 63 10.7 51.8 77.6#
 89 10.7 49.0 73.6#

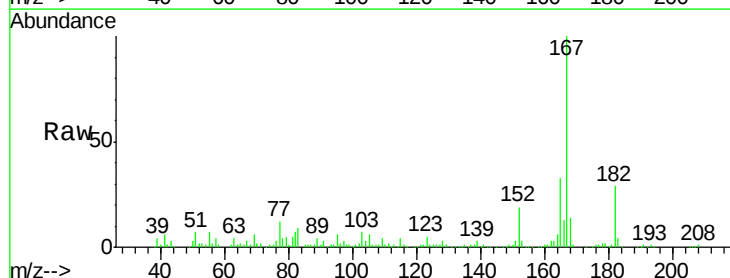


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

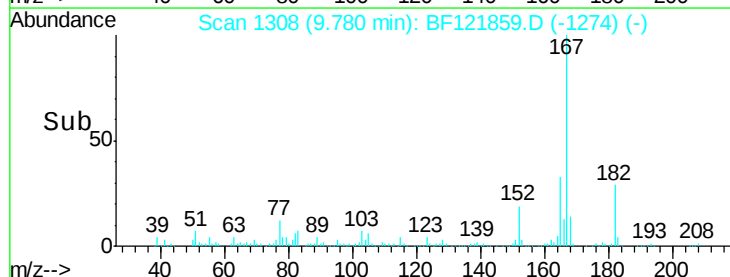
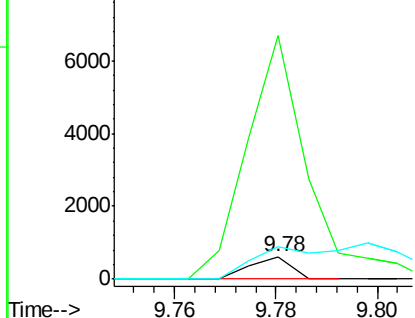


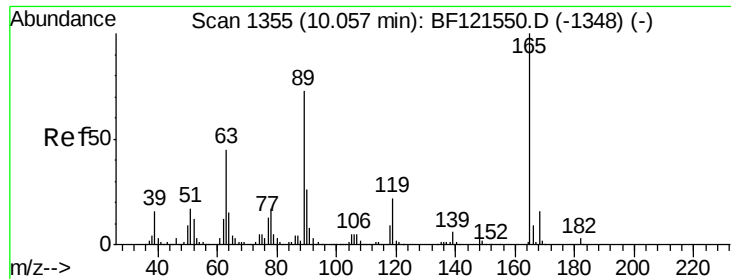
#54
 2,4-Dinitrophenol
 Concen: 9.210 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.10 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Tgt Ion:184 Resp: 342
 Ion Ratio Lower Upper
 184 100
 63 1088.5 45.9 68.9#
 154 143.1 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

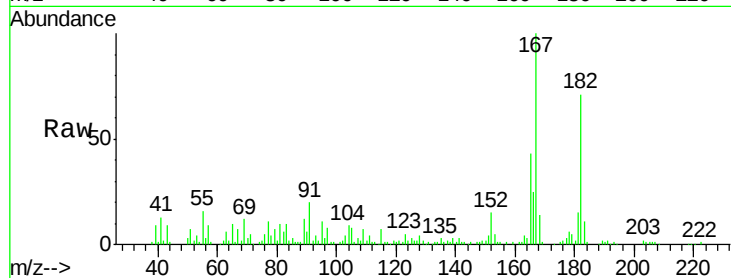




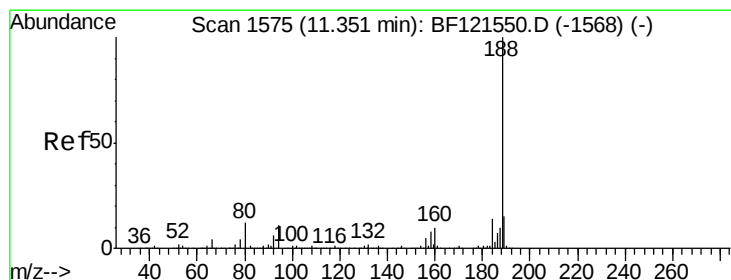
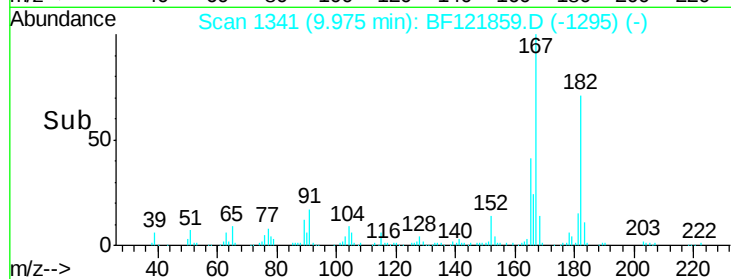
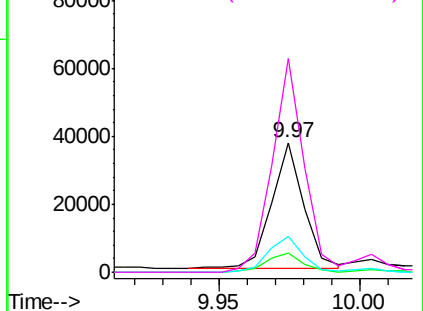
#57
 2,4-Dinitrotoluene
 Concen: 7.025 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Instrument :
 BNA_F
 ClientSampled :
 337

Tot Ion:165 Resp: 28703
 Ion Ratio Lower Upper
 165 100
 63 14.6 41.3 61.9#
 89 27.8 61.8 92.8#
 182 164.8 2.1 3.1#

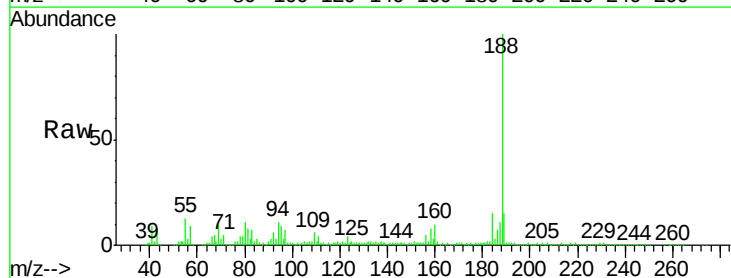


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

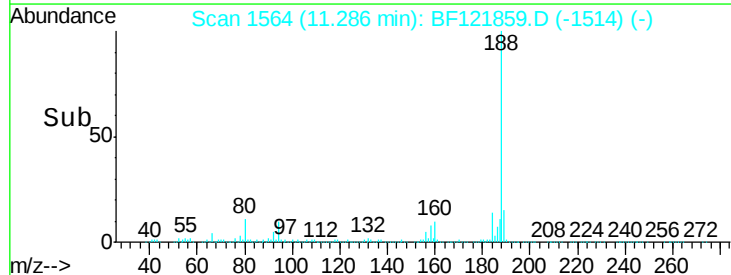
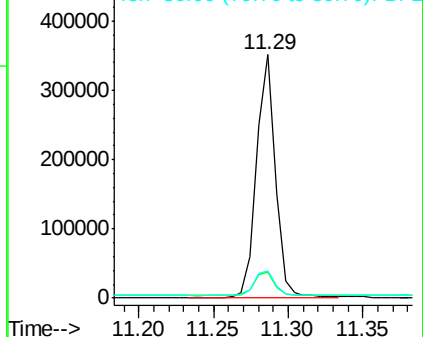


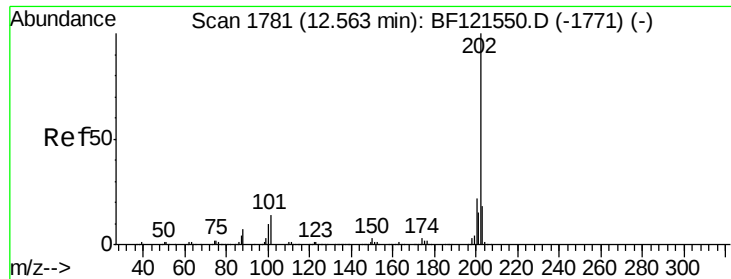
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121859.D
 Acq: 6 Oct 2020 18:32

Tgt Ion:188 Resp: 306327
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.3 12.5
 80 11.5 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





#75

Fluoranthene

Concen: 2.438 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampleId :

337

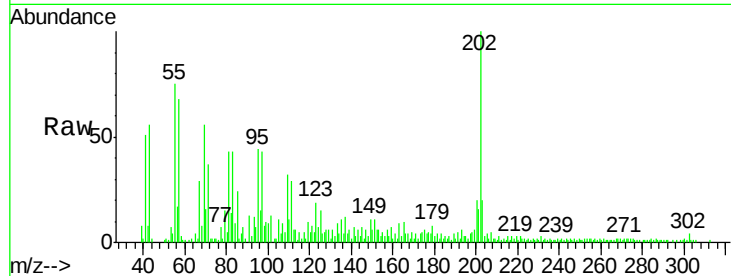
Tot Ion:202 Resp: 43439

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.4

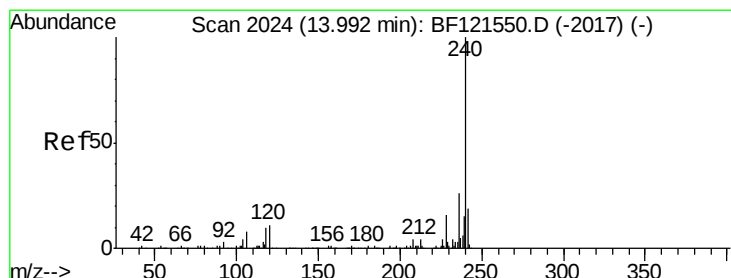
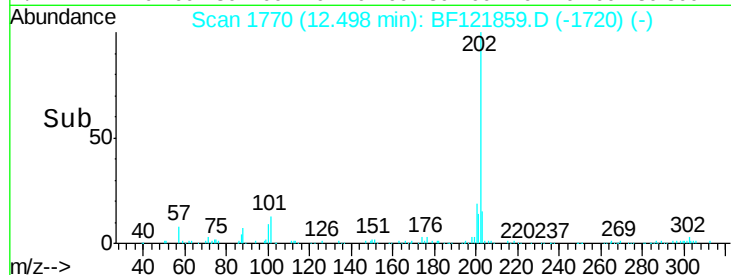
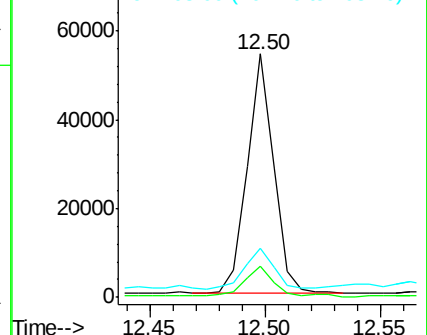
203 20.0 0.0 37.9



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: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

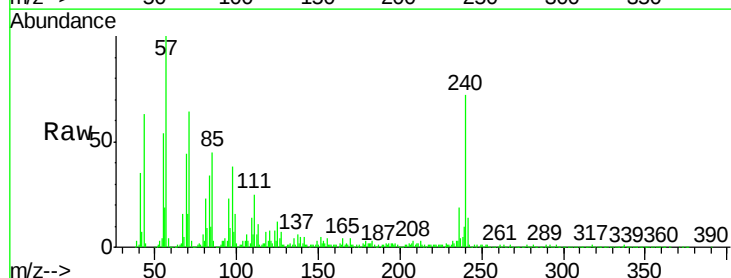
Tgt Ion:240 Resp: 227329

Ion Ratio Lower Upper

240 100

120 10.9 9.2 13.8

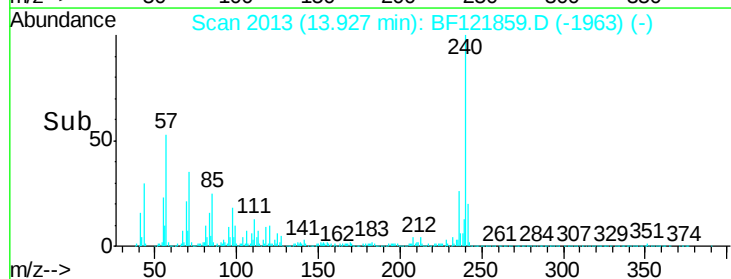
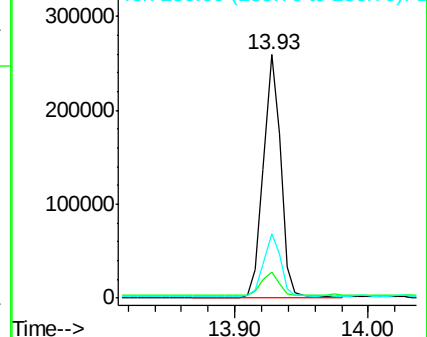
236 26.4 20.9 31.3

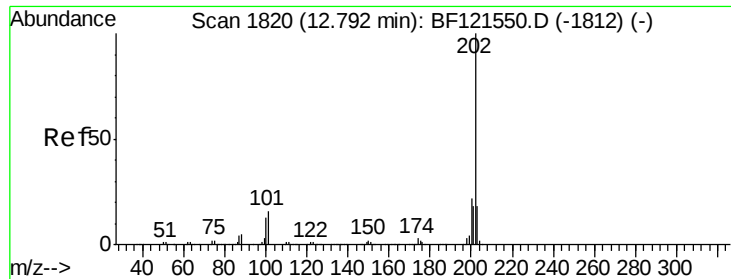


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.097 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampleId :

337

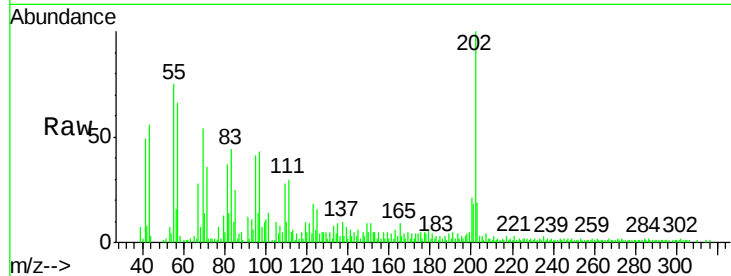
Tot Ion:202 Resp: 51445

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

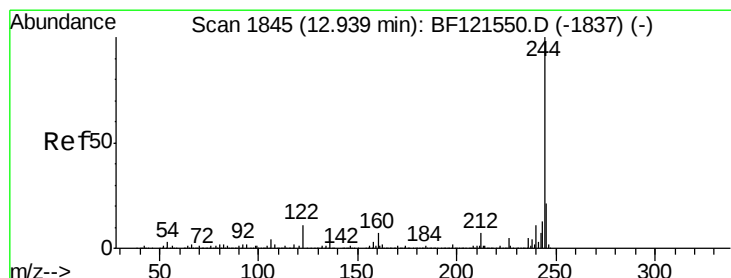
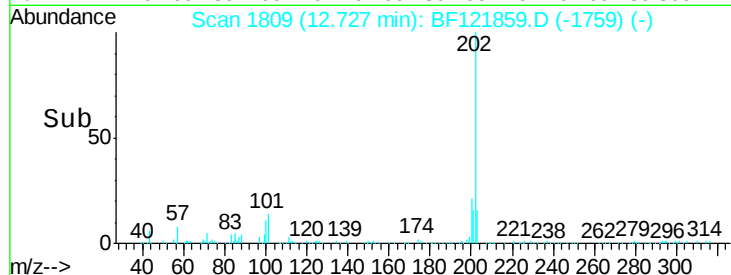
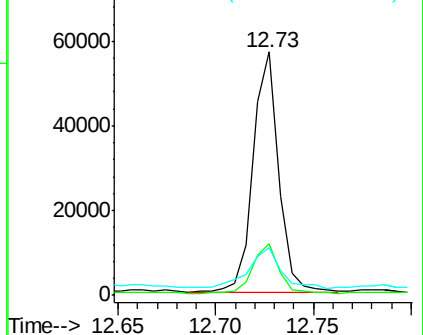
203 19.4 14.6 21.8



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: 12.549 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

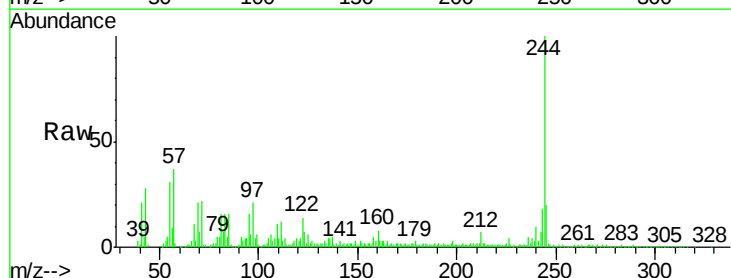
Tgt Ion:244 Resp: 140816

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

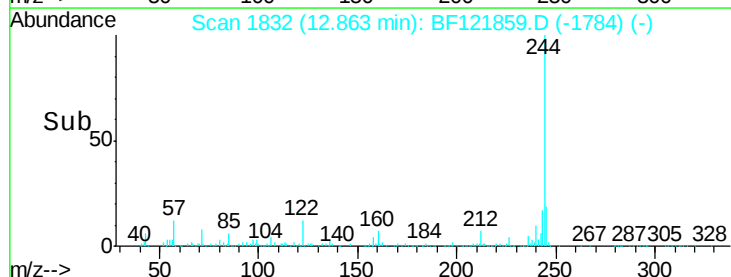
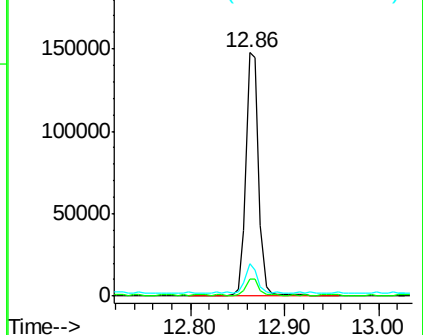
122 13.5 8.1 12.1#

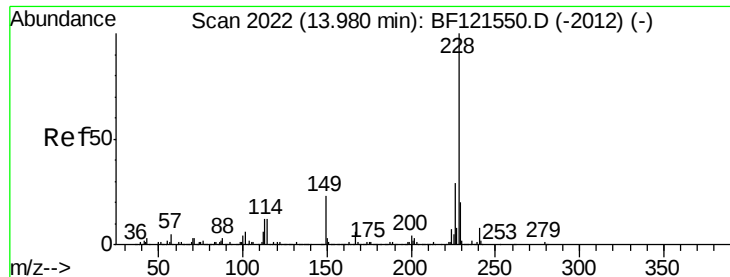


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.911 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.03 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampleId :

337

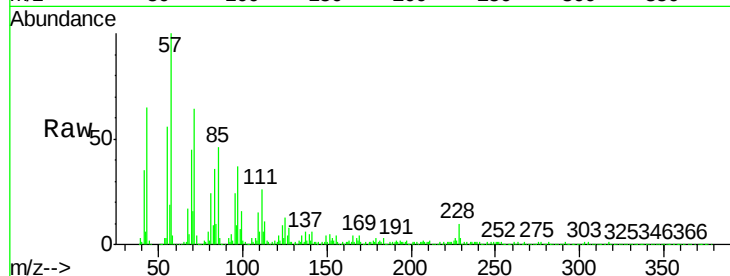
Tot Ion:228 Resp: 41860

Ion Ratio Lower Upper

228 100

226 31.2 22.3 33.5

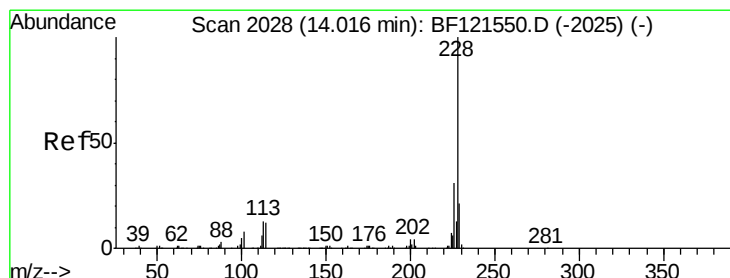
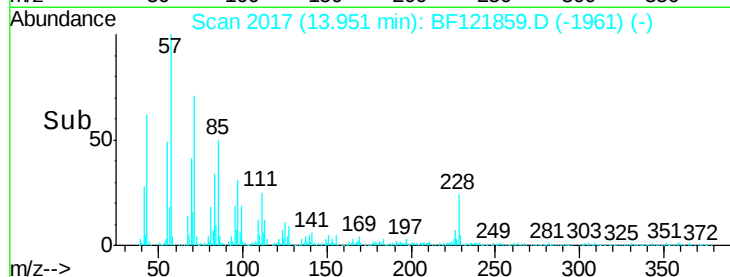
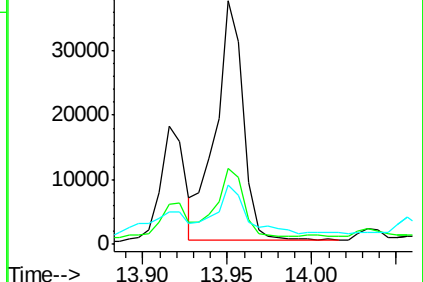
229 24.3 16.2 24.4



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: 2.874 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

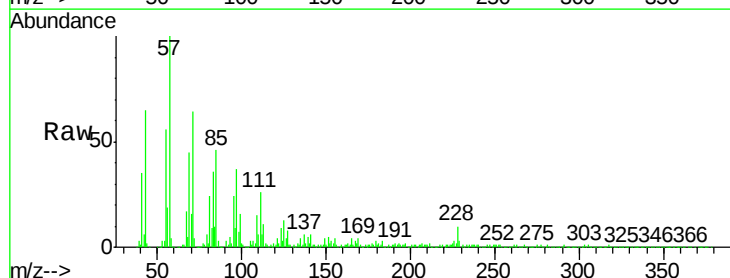
Tgt Ion:228 Resp: 41860

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

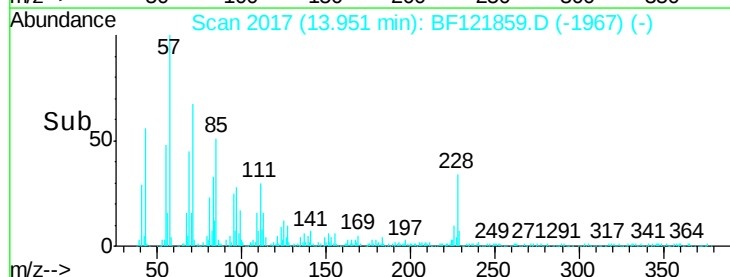
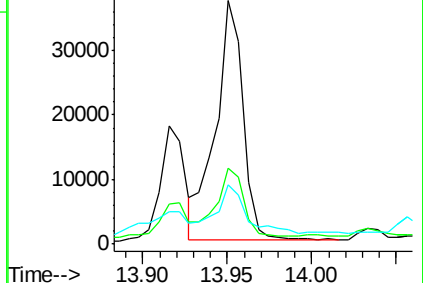
229 24.3 15.9 23.9#

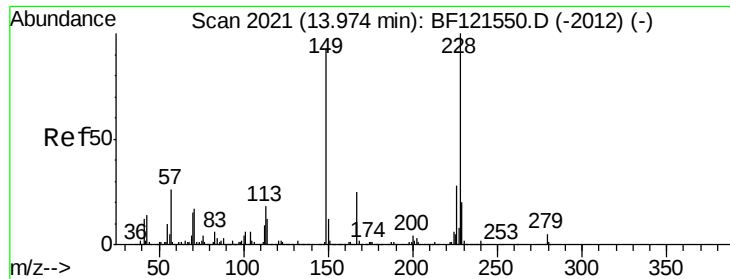


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.993 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampled :

337

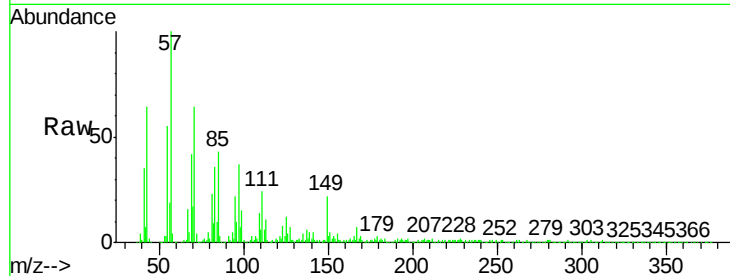
Tot Ion:149 Resp: 62755

Ion Ratio Lower Upper

149 100

167 33.5 20.9 31.3#

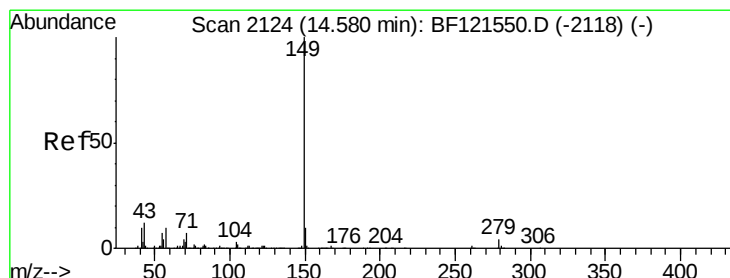
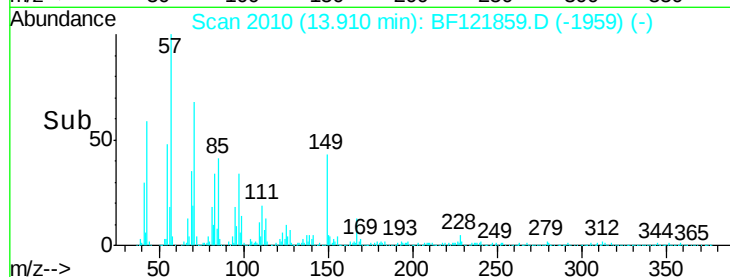
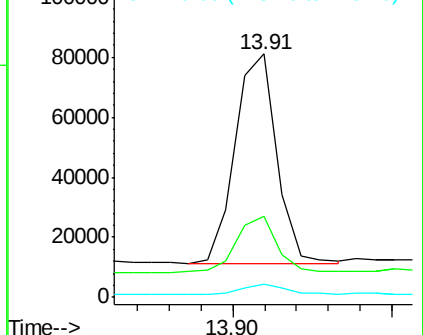
279 5.6 3.2 4.8#



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



#85

Di-n-octyl phthalate

Concen: 9.046 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.04 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

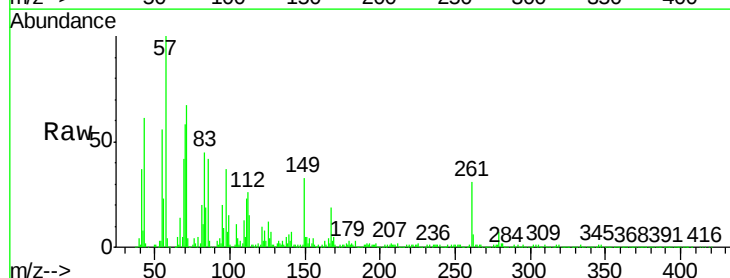
Tgt Ion:149 Resp: 143256

Ion Ratio Lower Upper

149 100

167 52.1 1.2 1.8#

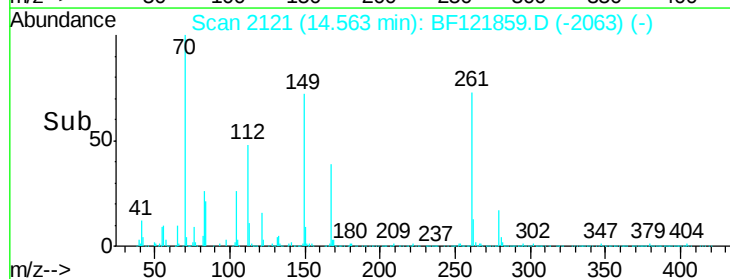
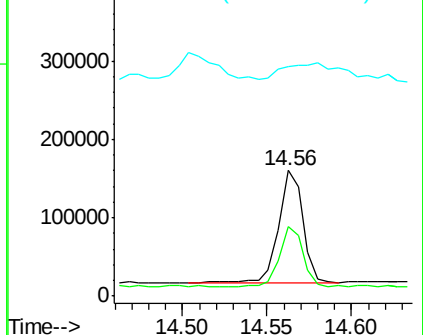
43 105.0 9.0 13.6#

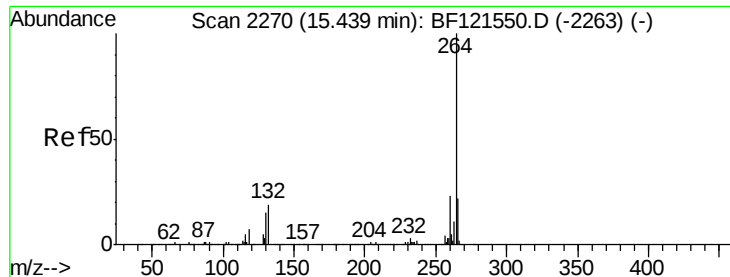


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

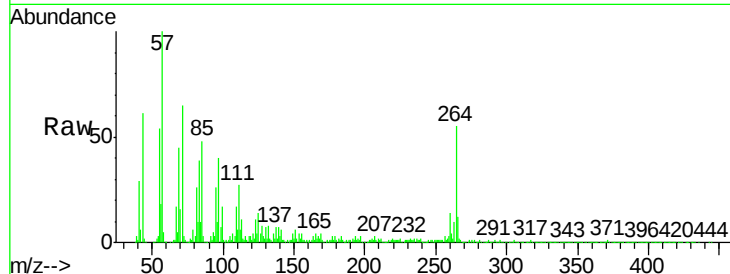




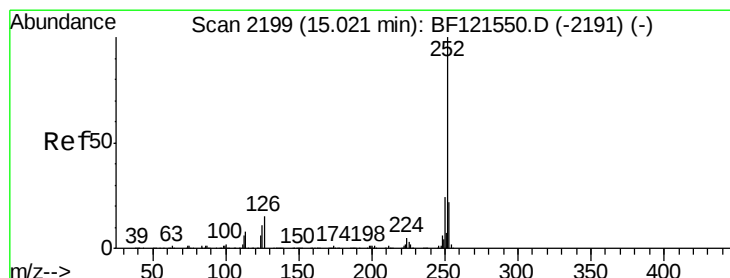
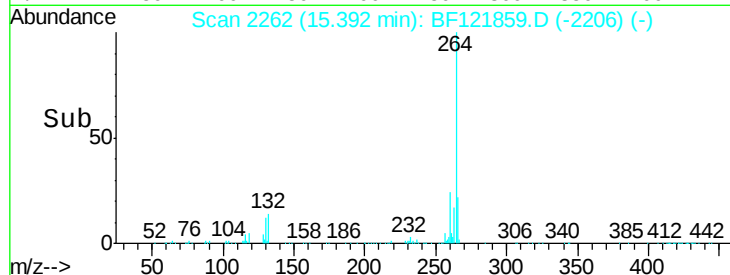
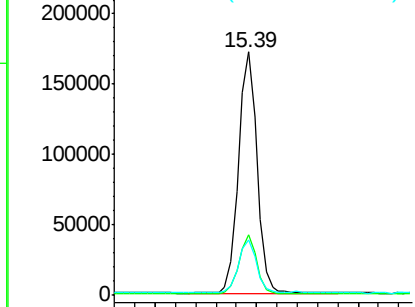
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.03 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Instrument :
BNA_F
ClientSampleId :
337

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	22.8	17.3	25.9

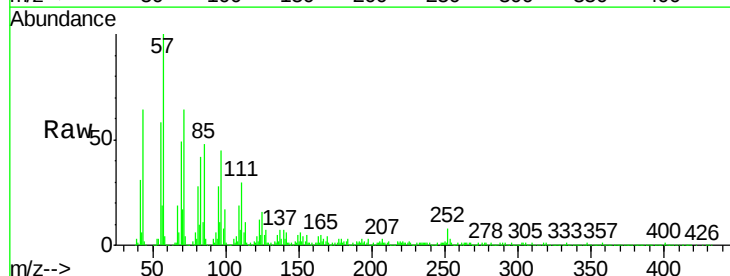


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

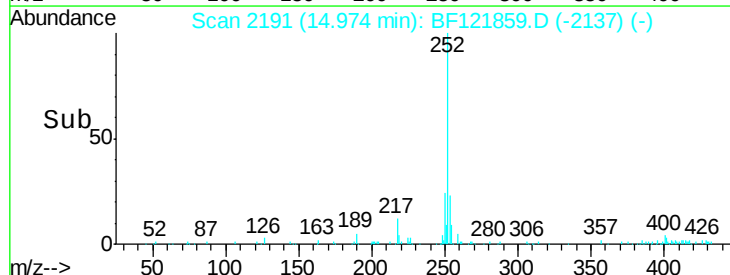
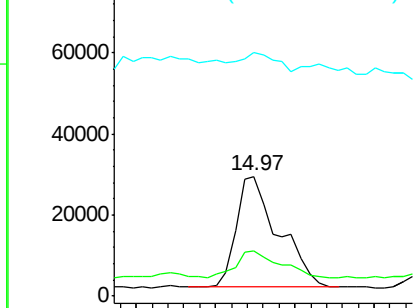


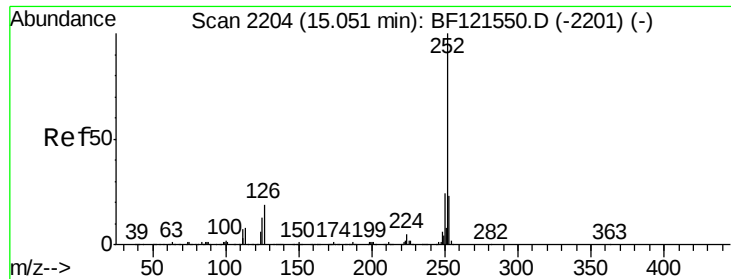
#88
Benzo(b)fluoranthene
Concen: 3.471 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.02 min
Lab File: BF121859.D
Acq: 6 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.8	18.2	27.2#
125	203.6	8.0	12.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.791 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF121859.D

Acq: 6 Oct 2020 18:32

Instrument :

BNA_F

ClientSampleId :

337

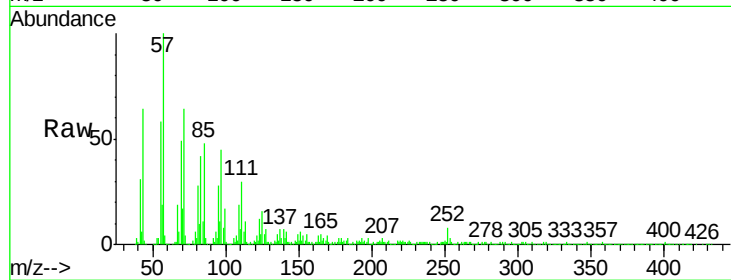
Tot Ion:252 Resp: 50540

Ion Ratio Lower Upper

252 100

253 37.8 17.8 26.6#

125 203.6 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

