

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121379.D
 Acq On : 21 Aug 2020 21:20
 Operator : JU/CG
 Sample : L3734-06 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:35:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	164210	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	630335	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	307885	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	527813	20.00	ng	0.00
76) Chrysene-d12	13.85	240	340649	20.00	ng	0.00
86) Perylene-d12	15.26	264	392775	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	84966	8.48	ng	0.00
7) Phenol-d6	6.33	99	319390	24.98	ng	0.00
23) Nitrobenzene-d5	7.26	82	316393	28.39	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	10033	2.80	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	611621	29.73	ng	0.00
79) Terphenyl-d14	12.79	244	480795	27.58	ng	0.00

Target Compounds

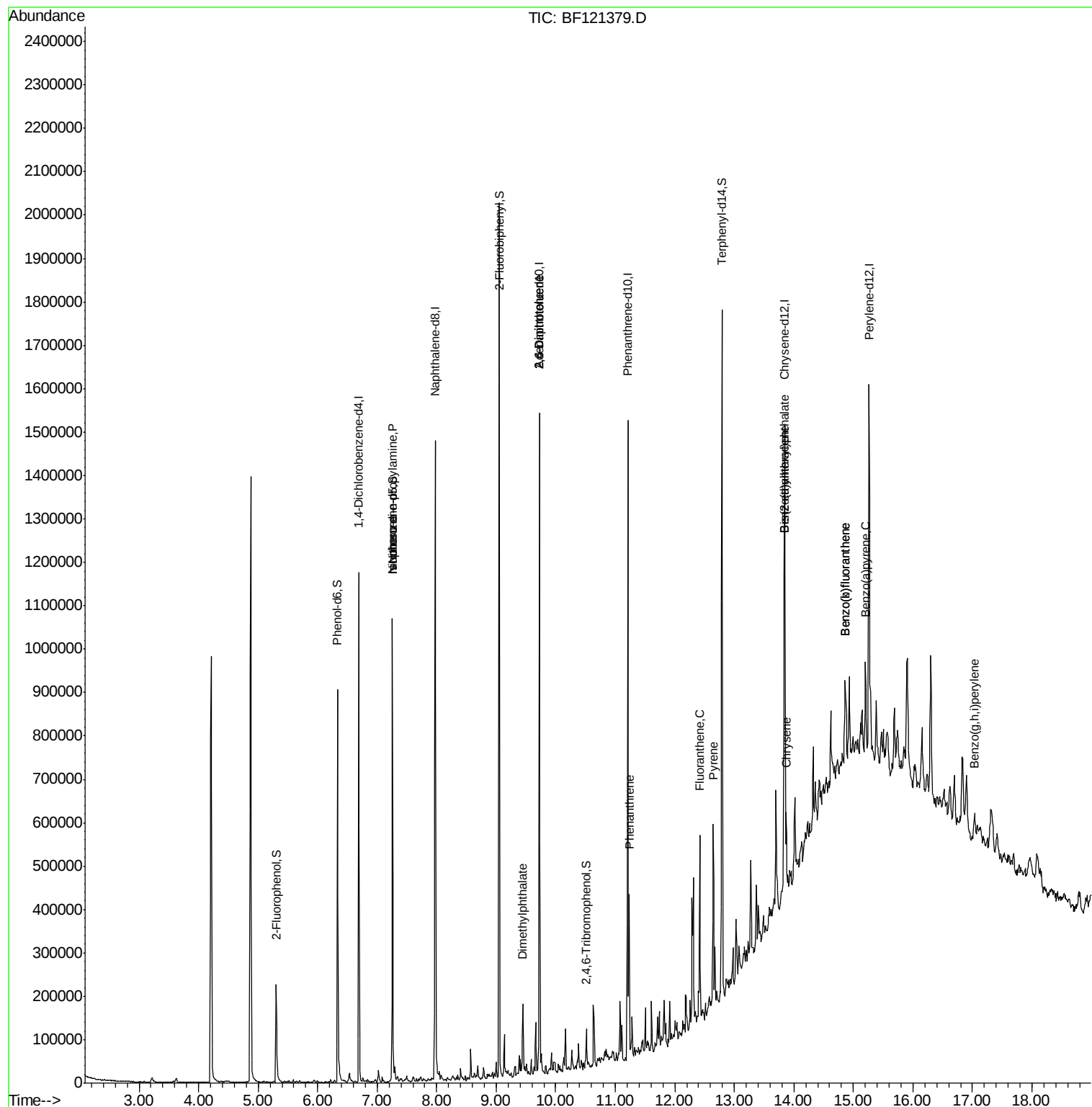
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	42296	6.152	ng	# 80
25) Isophorone	7.26	82	316389	15.599	ng	# 65
50) Dimethylphthalate	9.45	163	55224	2.465	ng	99
51) 2,6-Dinitrotoluene	9.73	165	40170	8.397	ng	# 30
55) Dibenzofuran	9.93	168	8273	Below Cal		# 95
57) 2,4-Dinitrotoluene	9.73	165	40170	6.883	ng	# 25
58) Fluorene	10.27	166	12690	Below Cal		# 96
61) 4-Chlorophenyl-phenylether	10.00	204	111	Below Cal		# 1
71) Phenanthrene	11.23	178	132817	4.862	ng	99
75) Fluoranthene	12.42	202	188733	6.365	ng	99
78) Pyrene	12.65	202	162060	6.333	ng	99
81) Benzo(a)anthracene	13.83	228	78603	3.715	ng	# 93
83) Chrysene	13.87	228	72602	3.355	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.83	149	37722	2.917	ng	# 94
88) Benzo(b)fluoranthene	14.86	252	126379	4.980	ng	# 91
89) Benzo(k)fluoranthene	14.86	252	126379	5.658	ng	# 90
90) Benzo(a)pyrene	15.20	252	69235	3.158	ng	# 88
92) Benzo(g,h,i)perylene	17.03	276	47299	2.461	ng	# 91

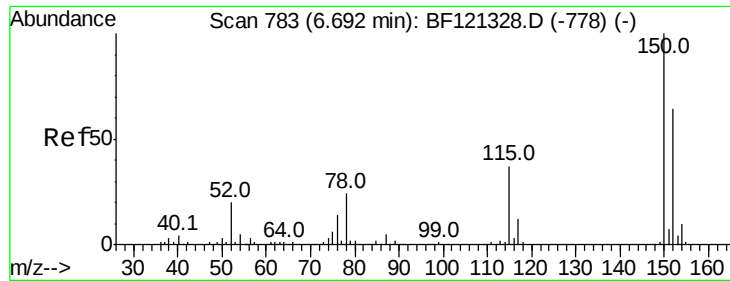
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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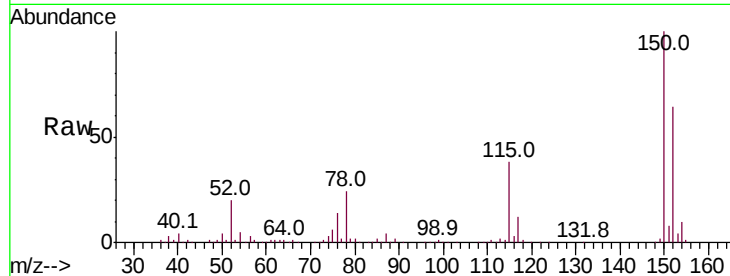


#1

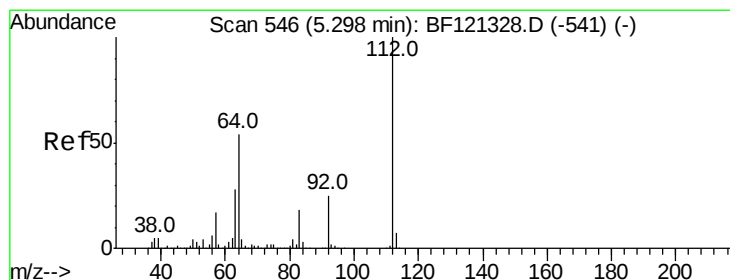
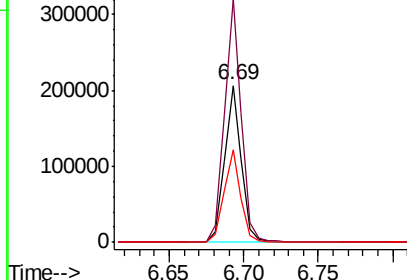
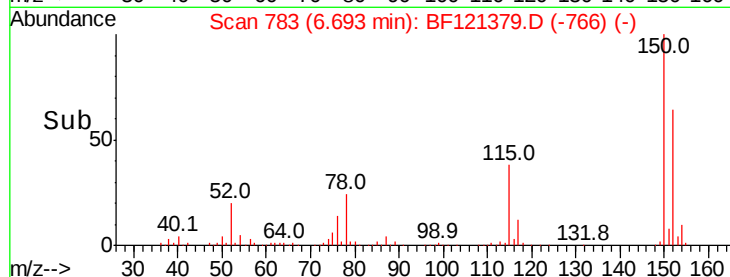
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF121379.D
 Acq: 21 Aug 2020 21:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 164210
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.8 187.2
 115 59.0 46.1 69.1



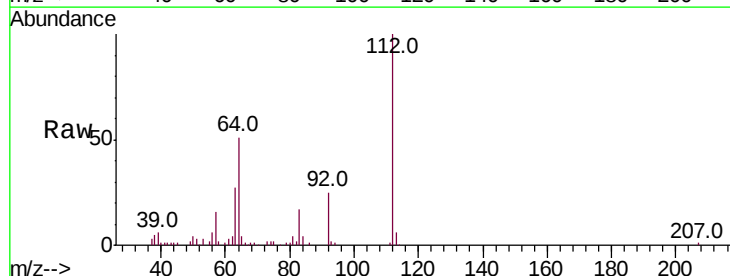
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



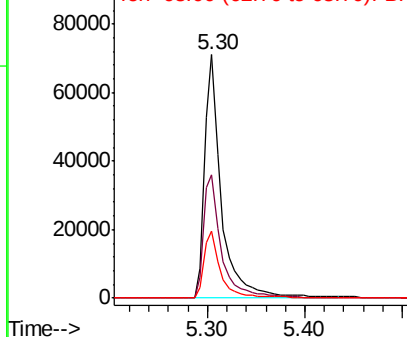
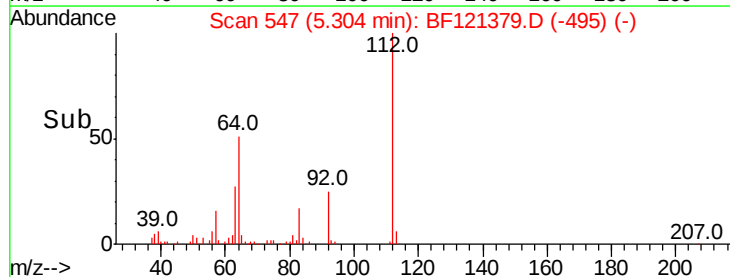
#5

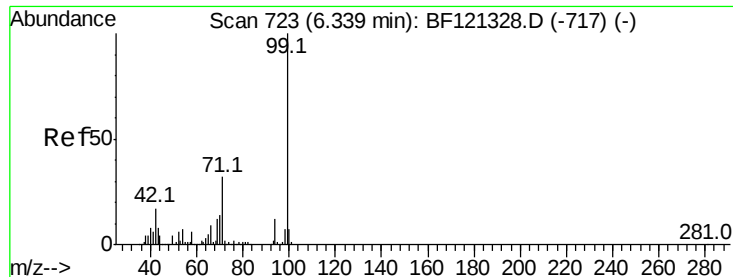
2-Fluorophenol
 Concen: 8.484 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF121379.D
 Acq: 21 Aug 2020 21:20

Tgt Ion:112 Resp: 84966
 Ion Ratio Lower Upper
 112 100
 64 50.6 43.5 65.3
 63 27.4 22.0 33.0



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: 24.983 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampleId :

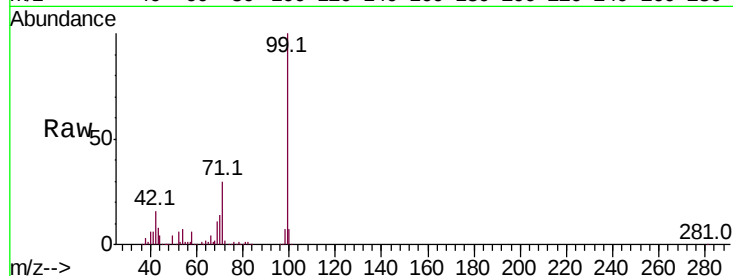
Tot Ion: 99 Resp: 319390

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

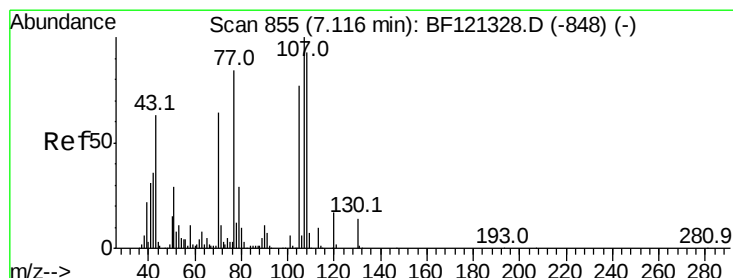
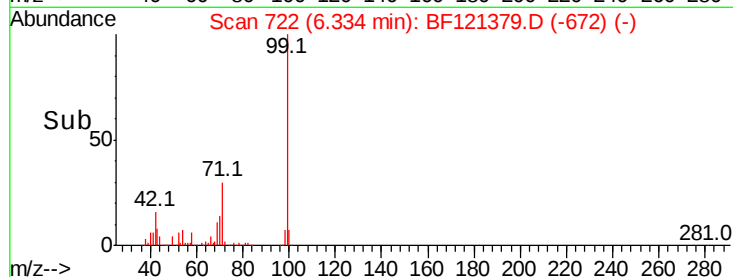
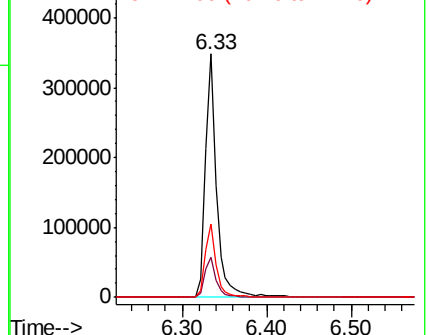
71 30.0 25.2 37.8



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: 6.152 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Tgt Ion: 70 Resp: 42296

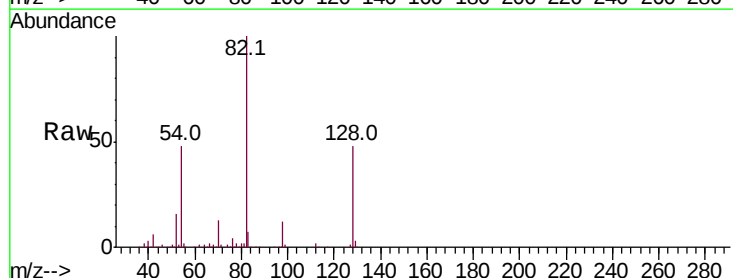
Ion Ratio Lower Upper

70 100

42 48.4 45.2 67.8

101 0.0 7.7 11.5#

130 2.5 17.6 26.4#

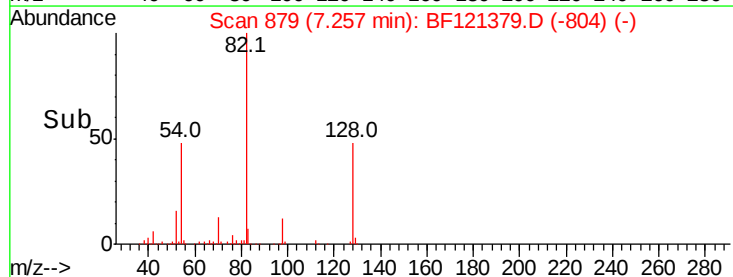
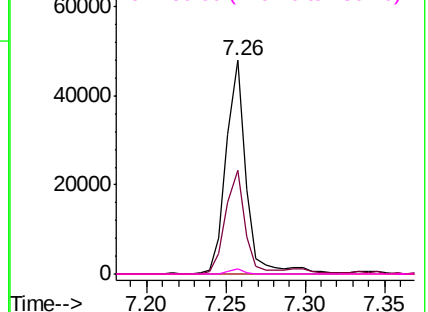


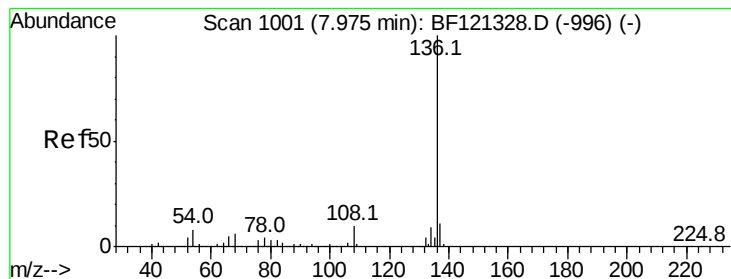
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 630335

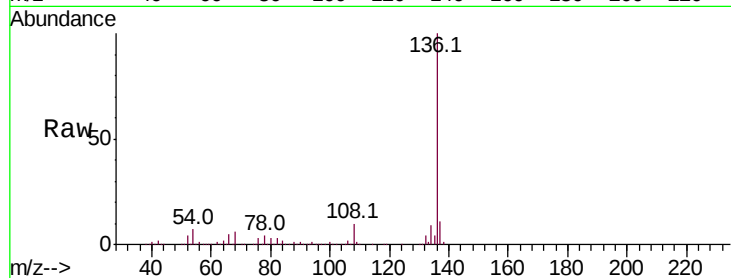
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.5 6.1 9.1

68 6.0 5.0 7.4

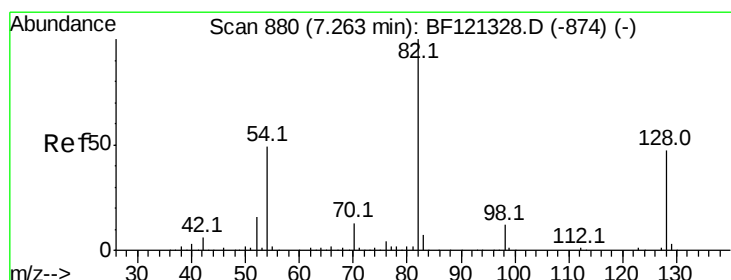
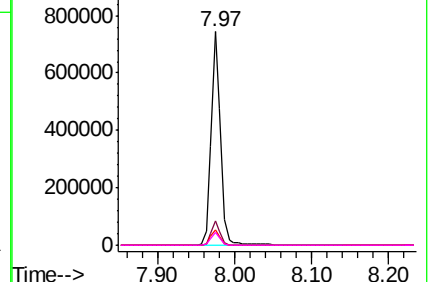
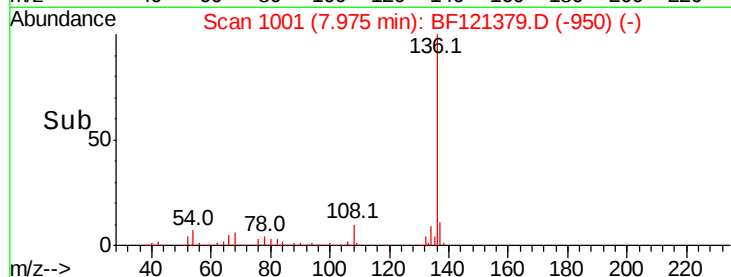


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.388 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

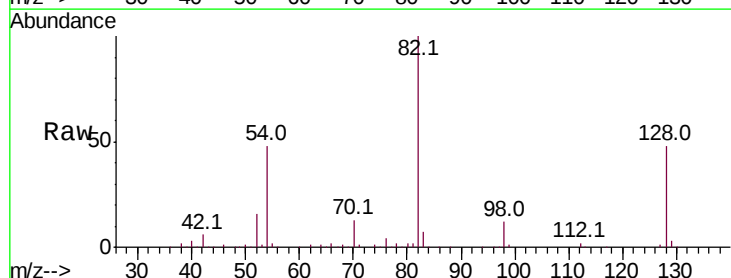
Tgt Ion: 82 Resp: 316393

Ion Ratio Lower Upper

82 100

128 47.8 37.9 56.9

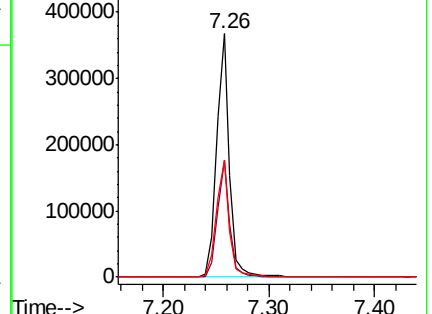
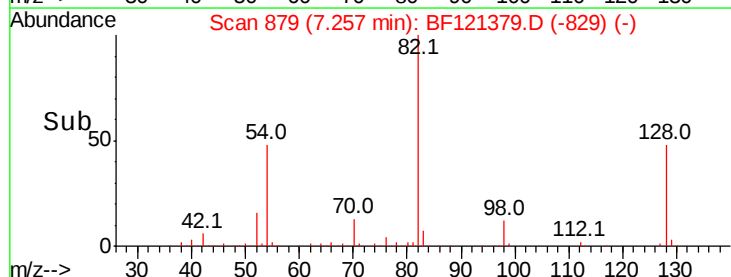
54 48.1 39.0 58.4

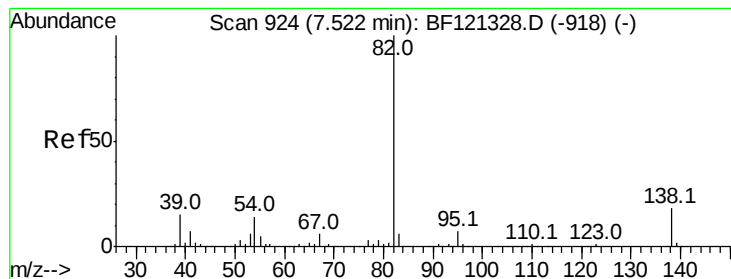


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.599 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampled :

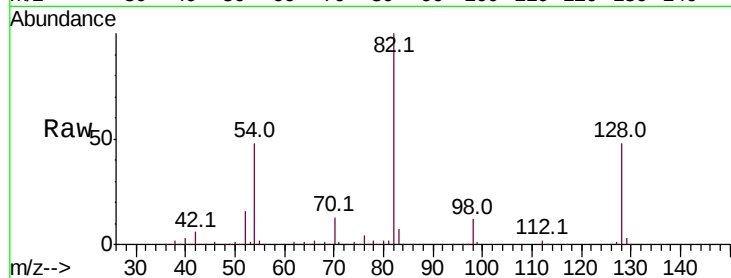
Tot Ion: 82 Resp: 316389

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

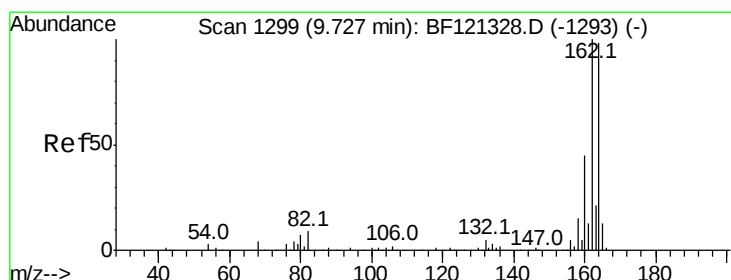
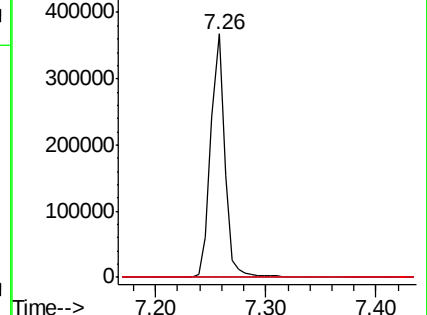
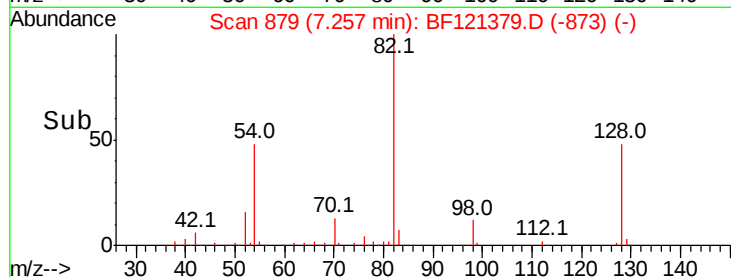
138 0.0 14.6 21.8#



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: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

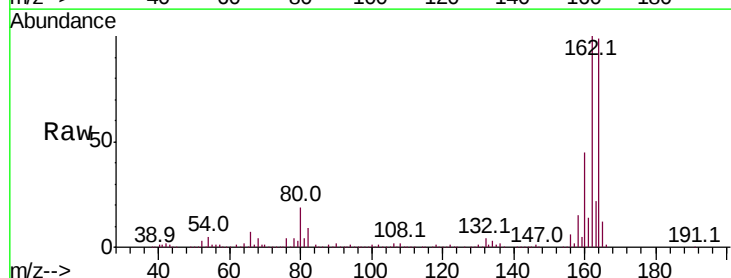
Tgt Ion:164 Resp: 307885

Ion Ratio Lower Upper

164 100

162 101.4 81.7 122.5

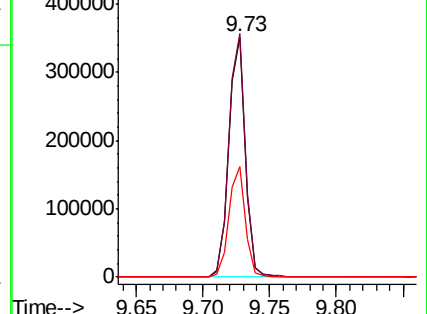
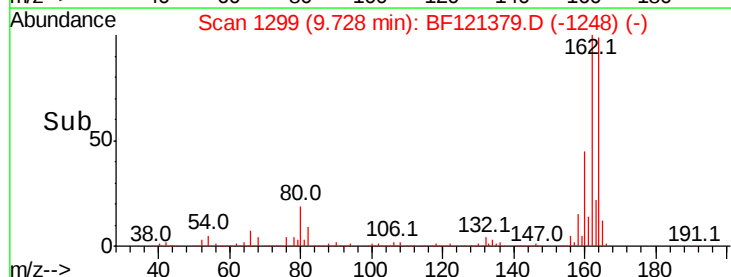
160 45.9 37.0 55.4

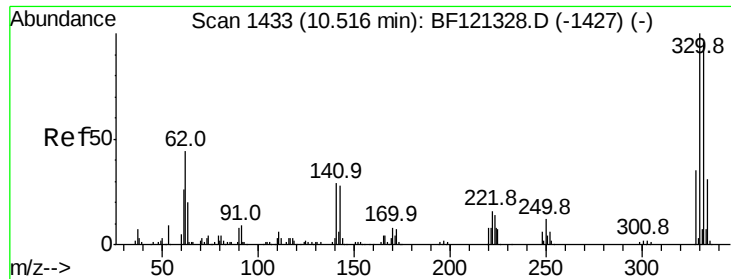


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

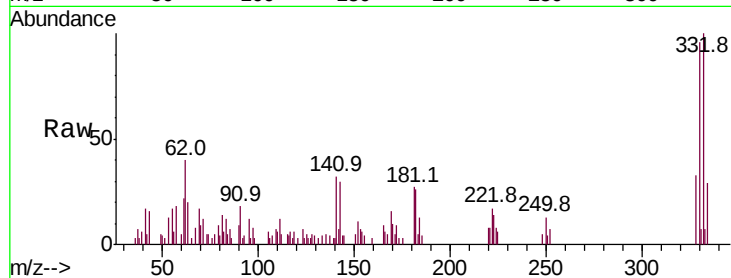




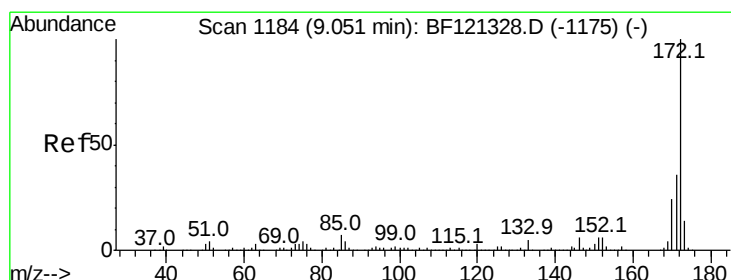
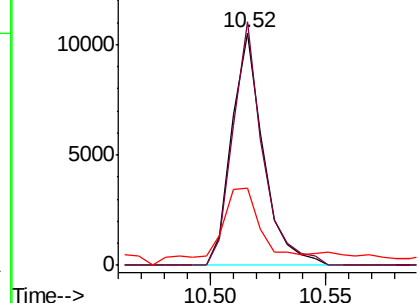
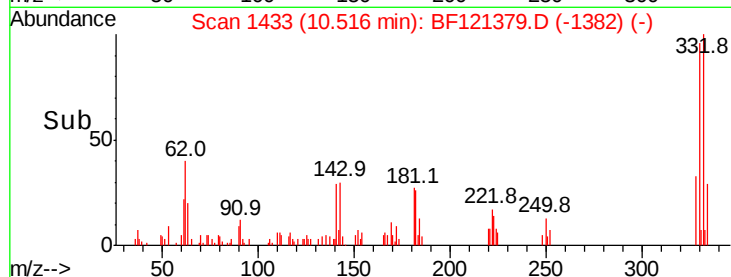
#42
 2,4,6-Tribromophenol
 Concen: 2.796 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121379.D
 Acq: 21 Aug 2020 21:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.9	115.3
141	46.4	22.8	34.2#

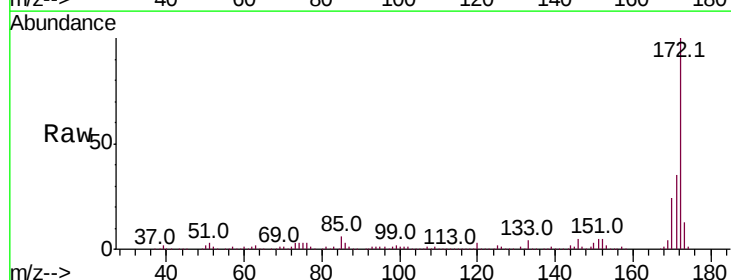


Abundance Ion 329.80 (329.50 to 330.50): E
 15000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

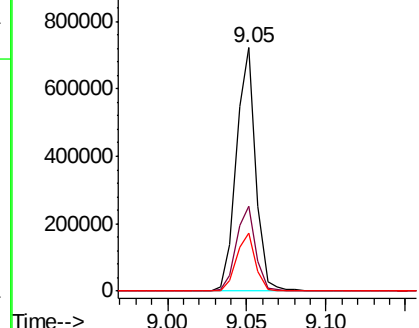
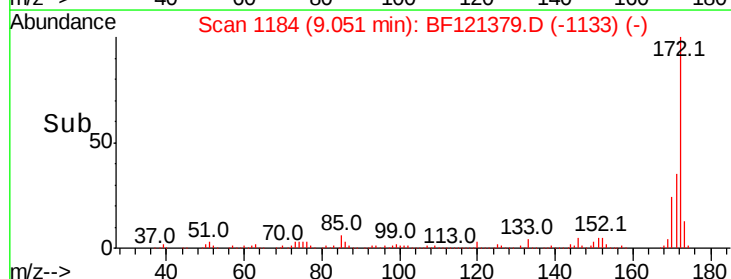


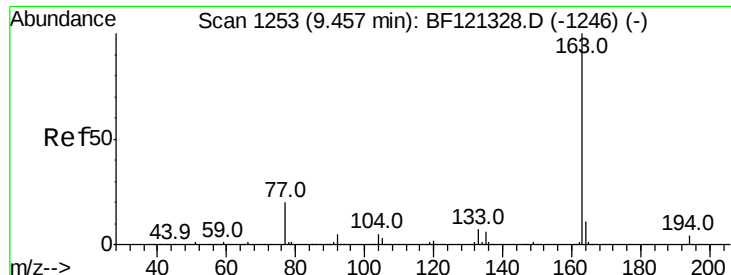
#45
 2-Fluorobiphenyl
 Concen: 29.729 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121379.D
 Acq: 21 Aug 2020 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.6
170	23.6	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 1000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.465 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampleId :

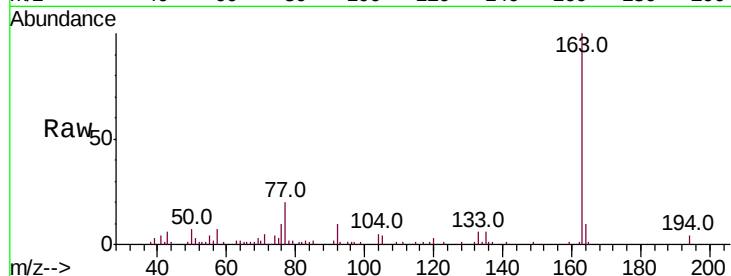
Tot Ion:163 Resp: 55224

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

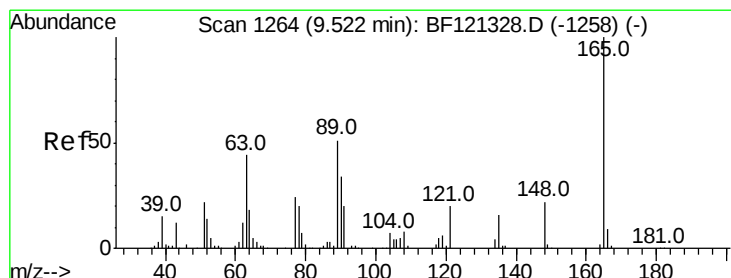
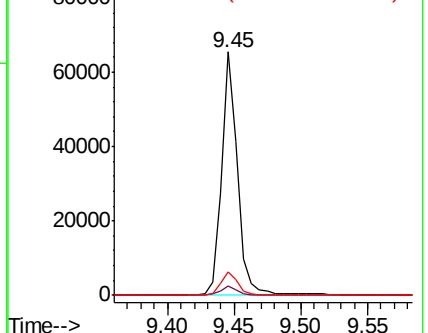
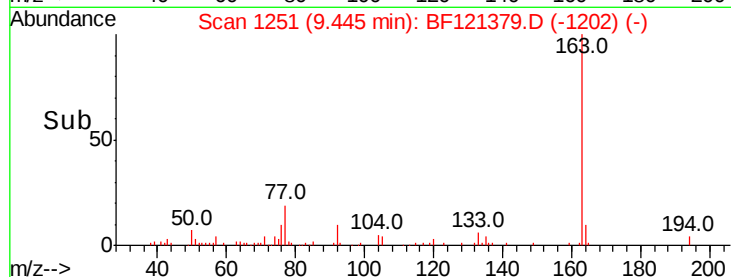
164 9.9 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.397 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

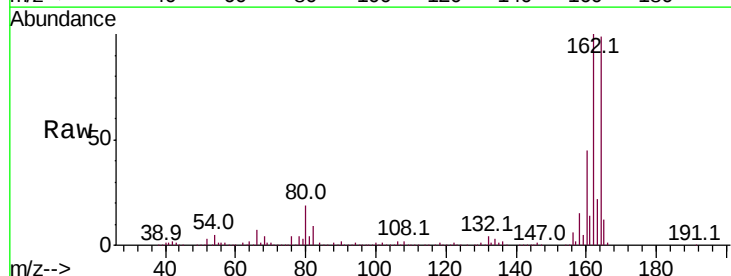
Tgt Ion:165 Resp: 40170

Ion Ratio Lower Upper

165 100

63 1.0 38.5 57.7#

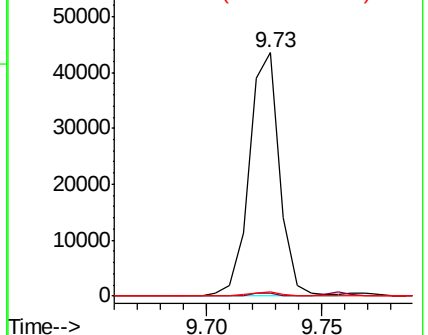
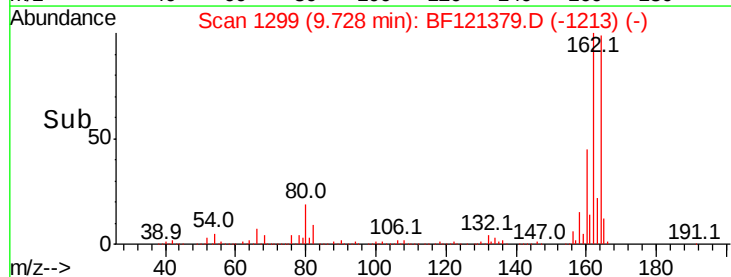
89 1.9 41.2 61.8#

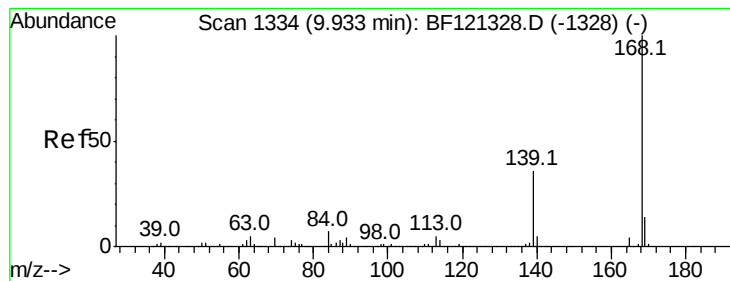


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

Dibenzenofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampled :

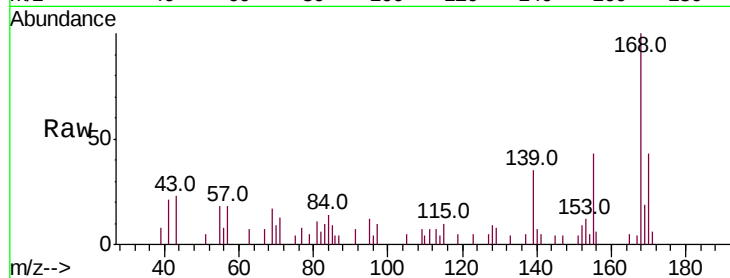
Tot Ion:168 Resp: 8273

Ion Ratio Lower Upper

168 100

139 35.0 29.1 43.7

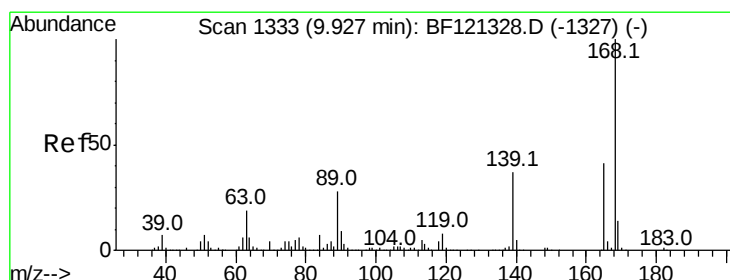
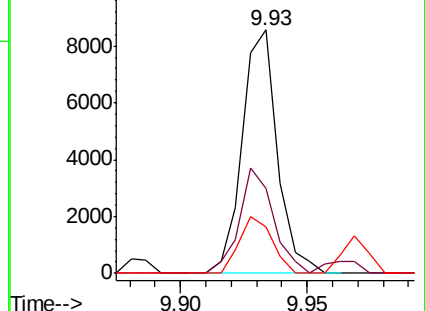
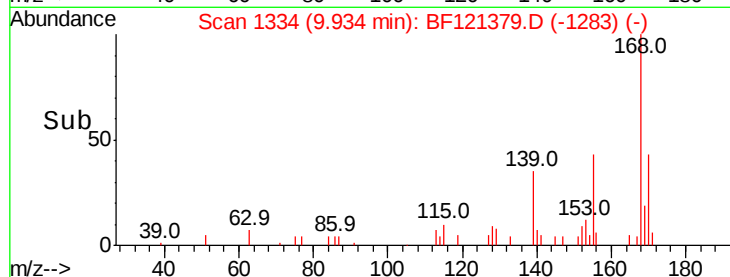
169 19.4 11.0 16.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

2,4-Dinitrotoluene

Concen: 6.883 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.20 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Tgt Ion:165 Resp: 40170

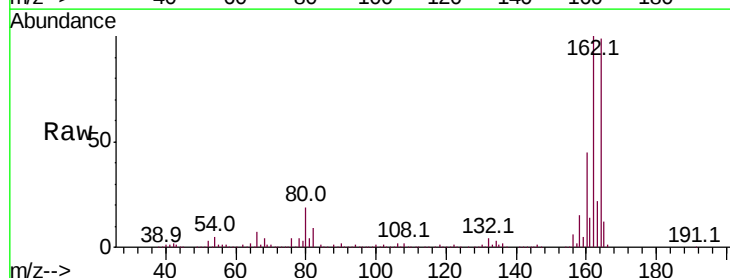
Ion Ratio Lower Upper

165 100

63 1.0 37.5 56.3#

89 1.9 54.2 81.4#

182 0.0 2.2 3.4#

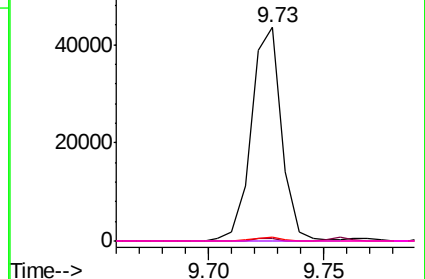
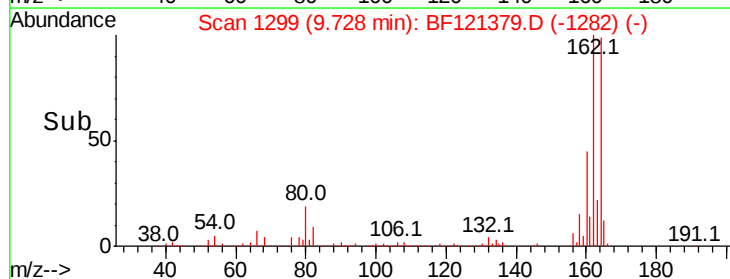


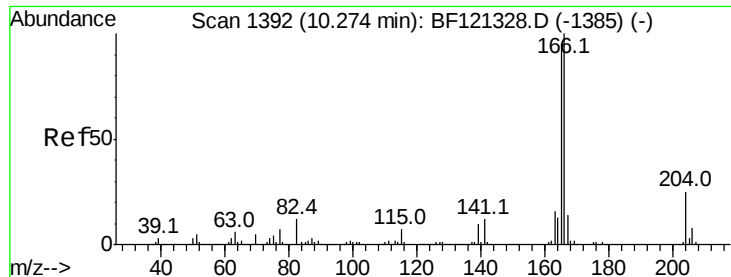
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampleId :

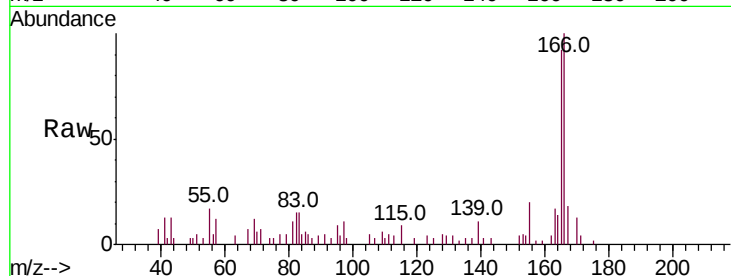
Tot Ion:166 Resp: 12690

Ion Ratio Lower Upper

166 100

165 92.2 75.8 113.8

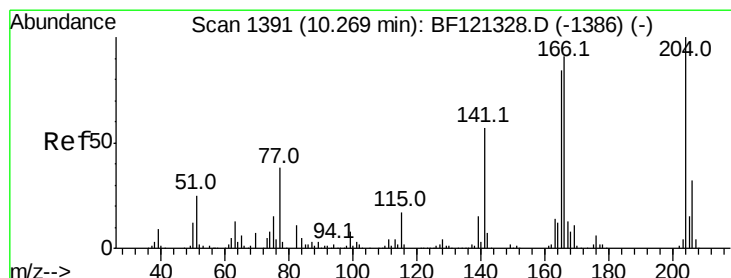
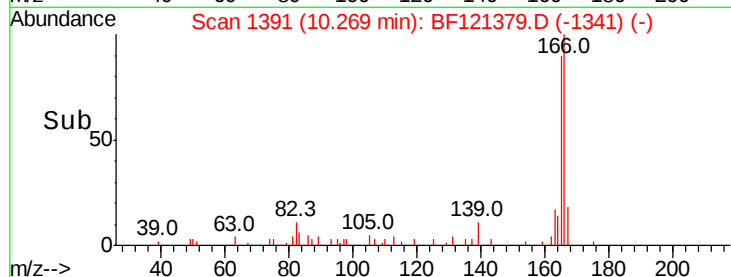
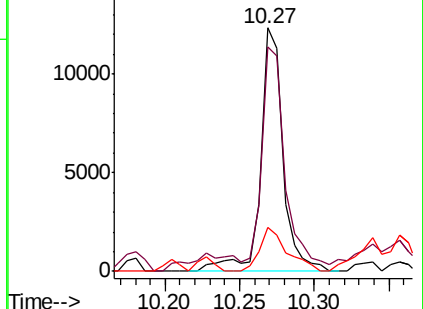
167 17.9 11.0 16.4#



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



#61

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.00 min Scan# 1346

Delta R.T. -0.26 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

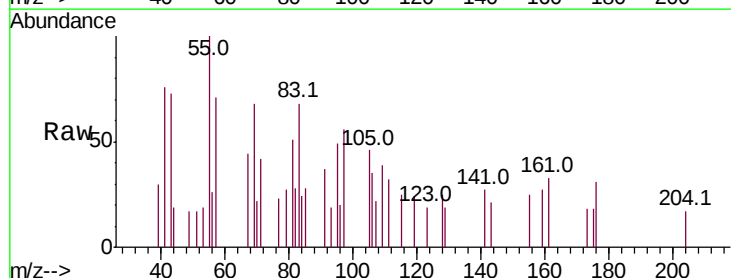
Tgt Ion:204 Resp: 111

Ion Ratio Lower Upper

204 100

206 0.0 25.9 38.9#

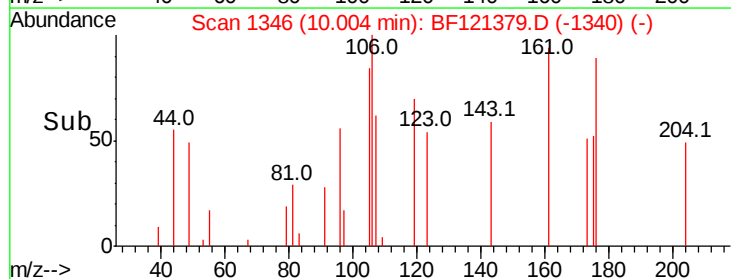
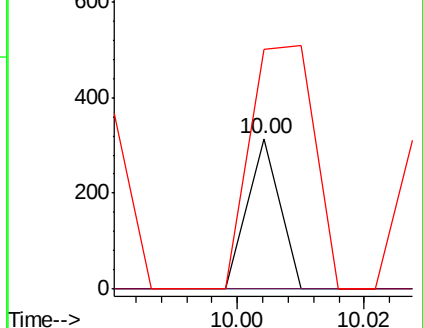
141 158.9 45.5 68.3#

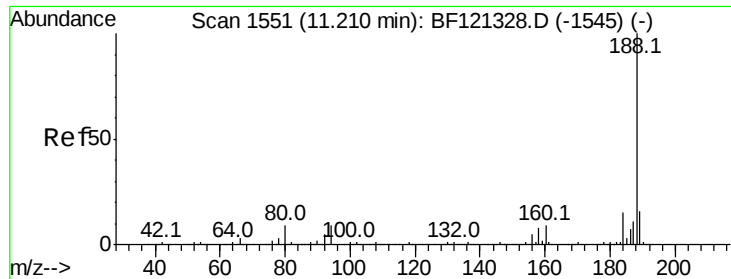


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

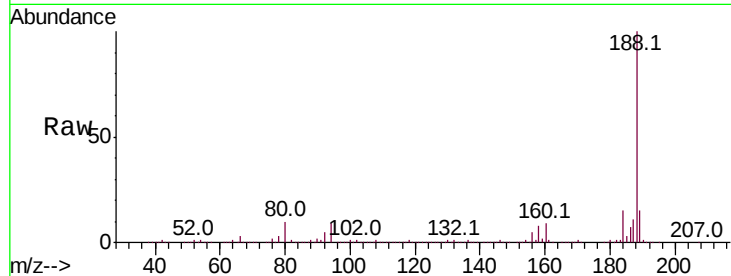




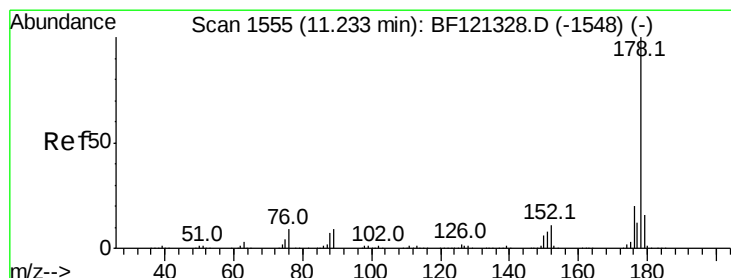
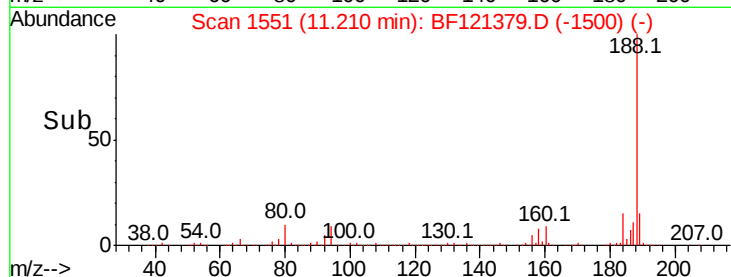
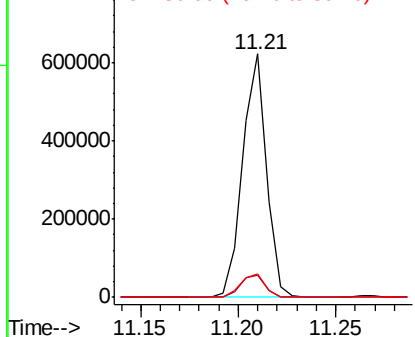
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF121379.D
 Acq: 21 Aug 2020 21:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 527813
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.2 10.8
 80 9.5 7.4 11.0

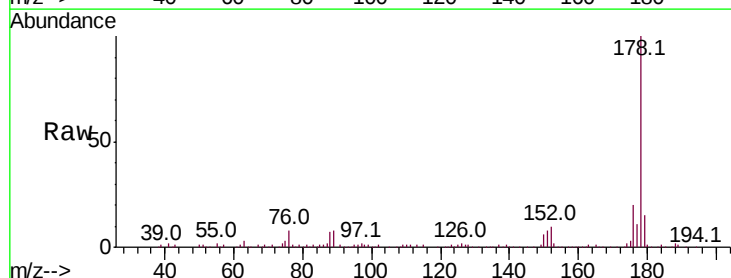


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

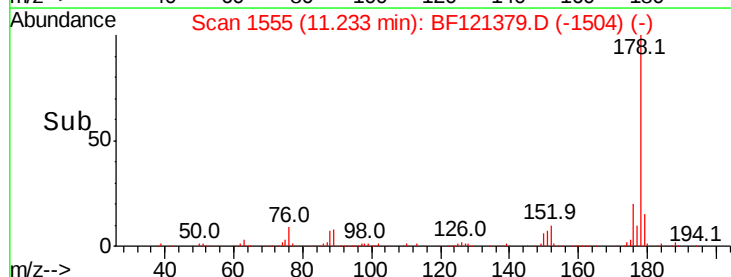
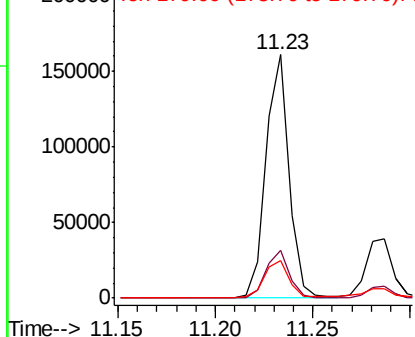


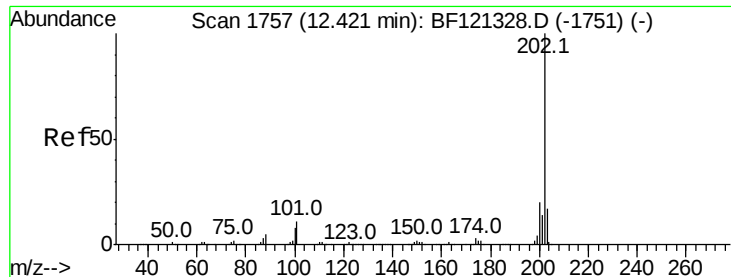
#71
 Phenanthrene
 Concen: 4.862 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF121379.D
 Acq: 21 Aug 2020 21:20

Tgt Ion:178 Resp: 132817
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.0 24.0
 179 15.4 12.8 19.2



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





#75

Fluoranthene

Concen: 6.365 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampled :

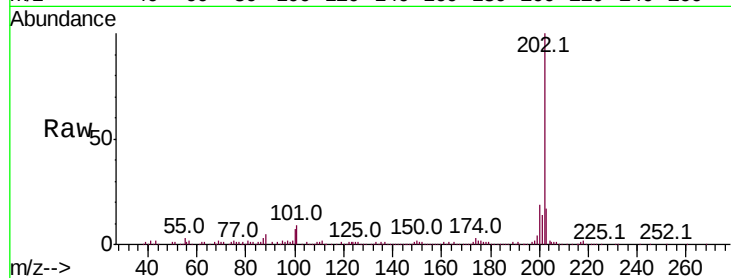
Tot Ion:202 Resp: 188733

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.6

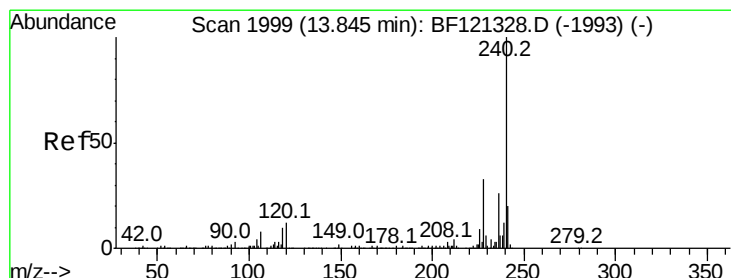
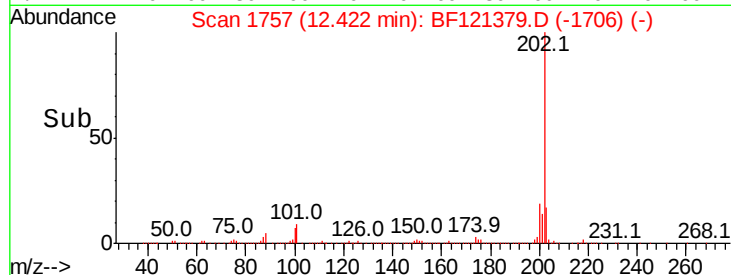
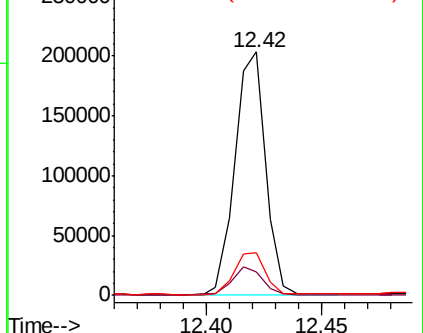
203 17.4 0.0 37.5



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: 13.85 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

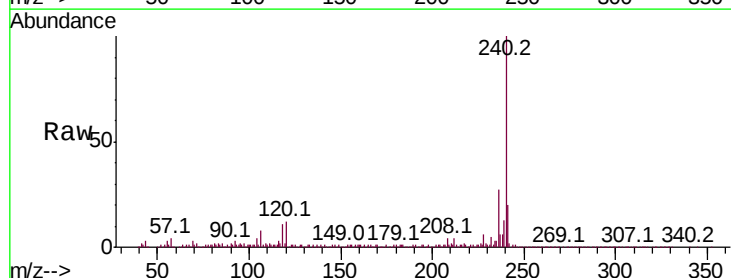
Tgt Ion:240 Resp: 340649

Ion Ratio Lower Upper

240 100

120 12.1 9.6 14.4

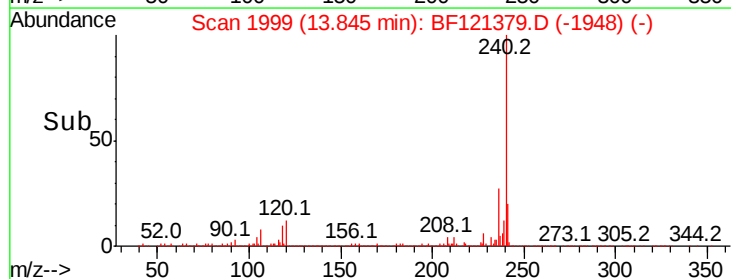
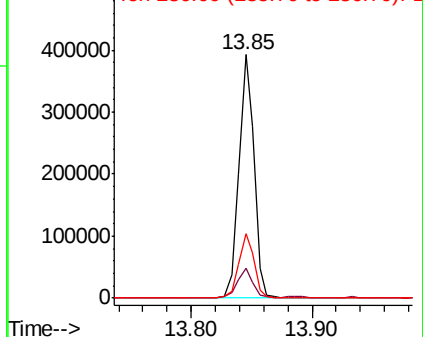
236 26.7 20.6 31.0

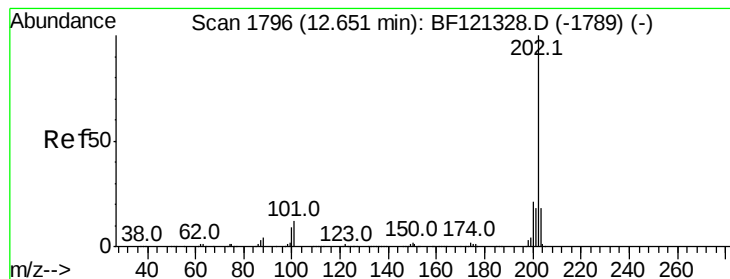


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.333 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampleId :

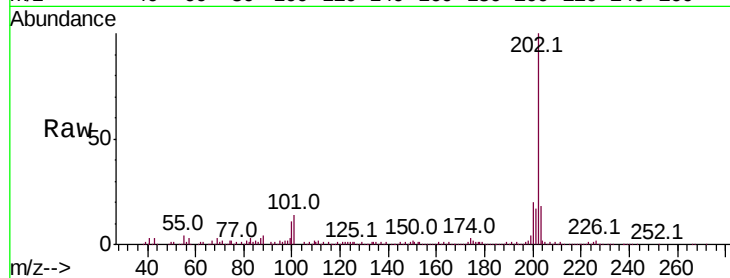
Tot Ion:202 Resp: 162060

Ion Ratio Lower Upper

202 100

200 20.3 16.6 24.8

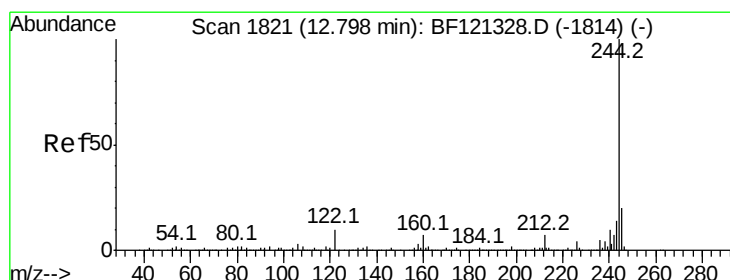
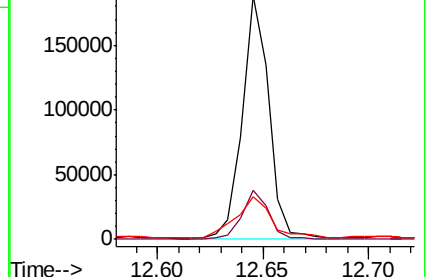
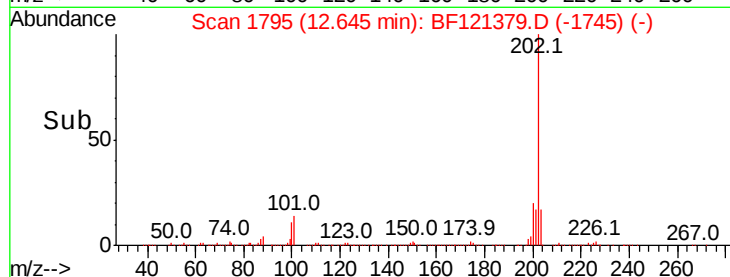
203 17.7 14.2 21.2



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: 27.581 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

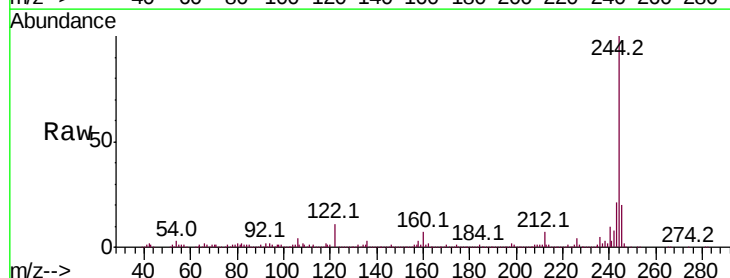
Tgt Ion:244 Resp: 480795

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

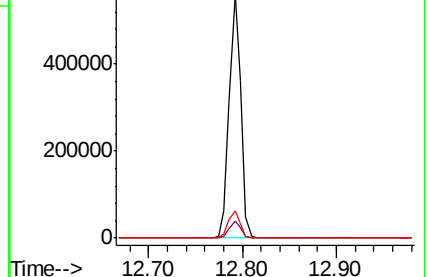
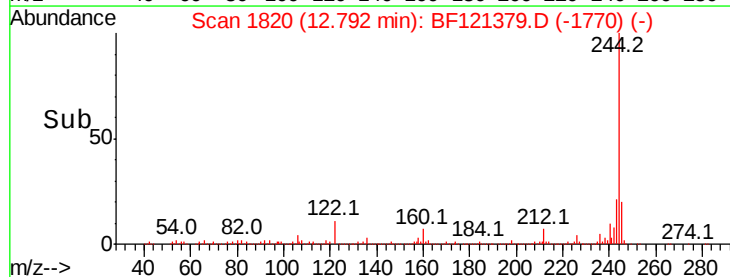
122 11.5 7.8 11.8

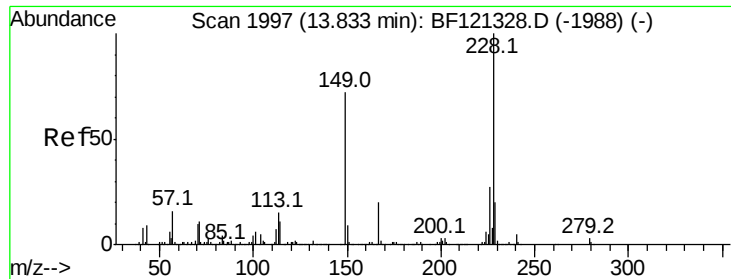


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

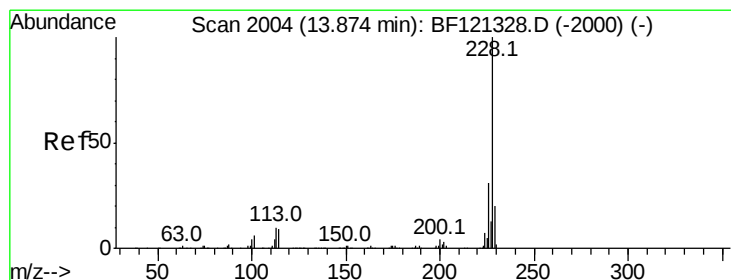
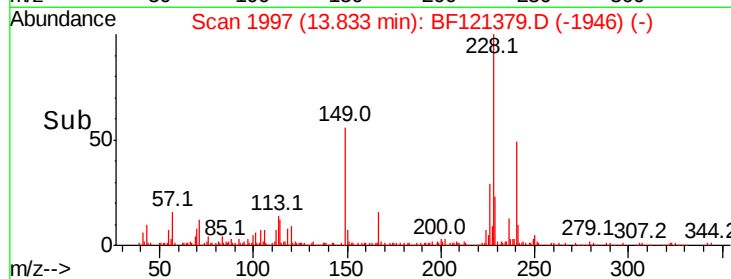
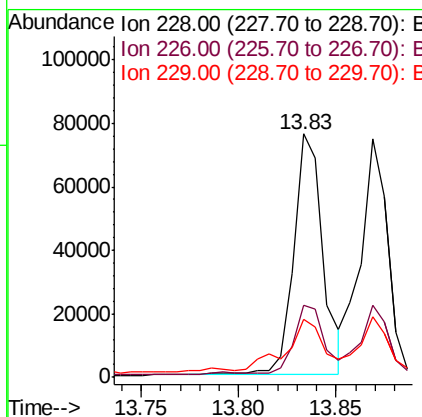
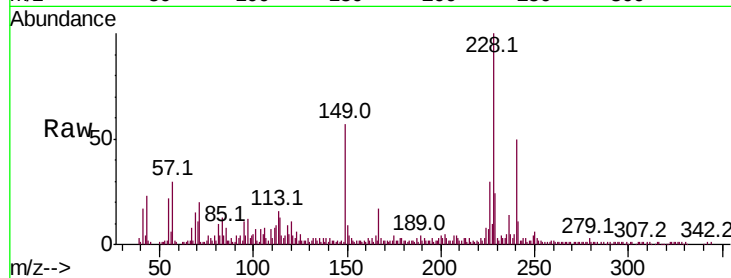




#81
Benzo(a)anthracene
Concen: 3.715 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF121379.D
Acq: 21 Aug 2020 21:20

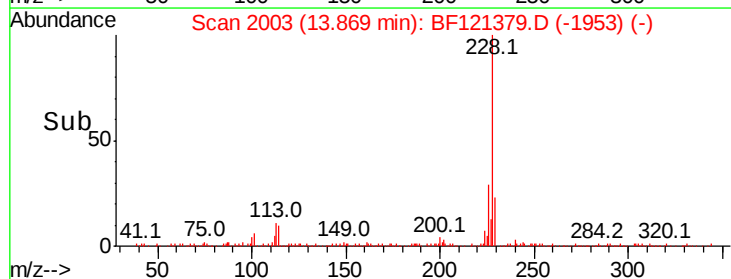
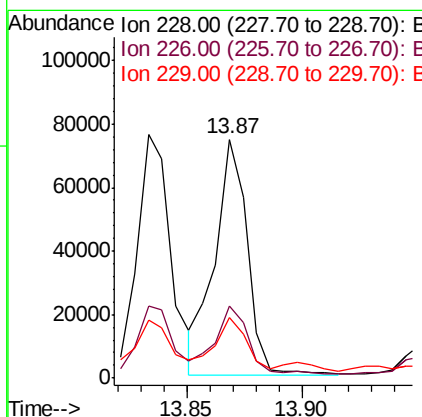
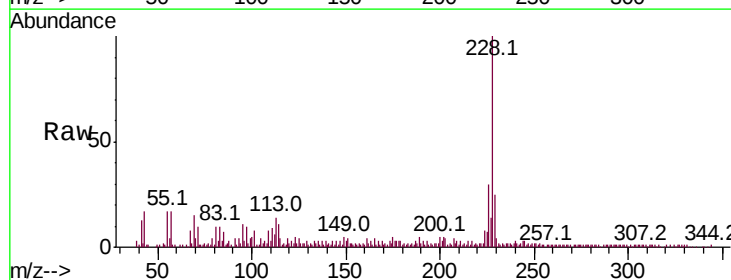
Instrument :
BNA_F
ClientSampleId :

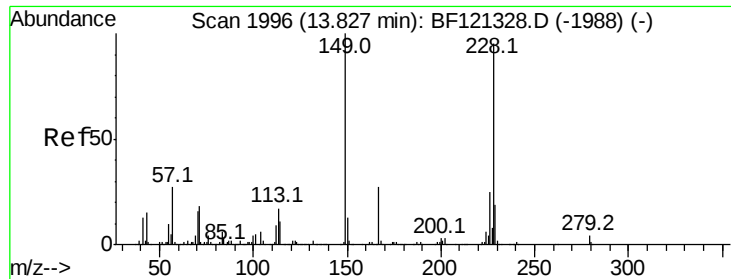
Tot Ion:228 Resp: 78603
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.6
229 23.9 15.8 23.8#



#83
Chrysene
Concen: 3.355 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF121379.D
Acq: 21 Aug 2020 21:20

Tgt Ion:228 Resp: 72602
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 25.3 15.9 23.9#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.917 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

Instrument :

BNA_F

ClientSampleId :

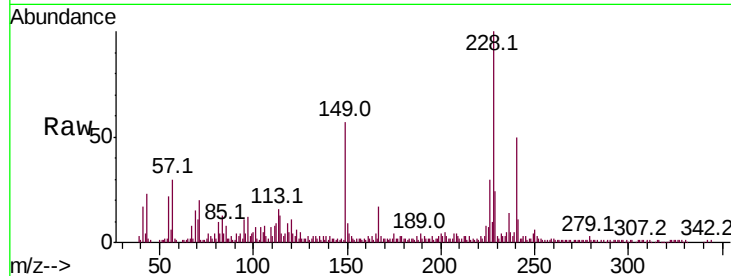
Tot Ion:149 Resp: 37722

Ion Ratio Lower Upper

149 100

167 30.1 21.5 32.3

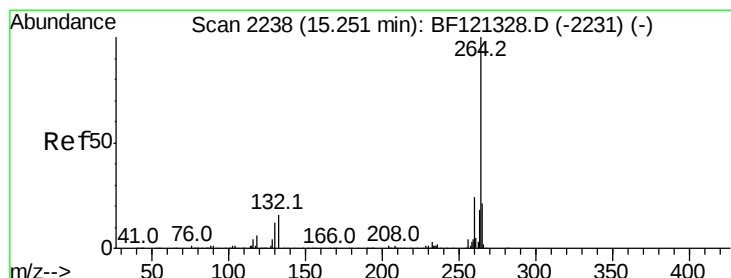
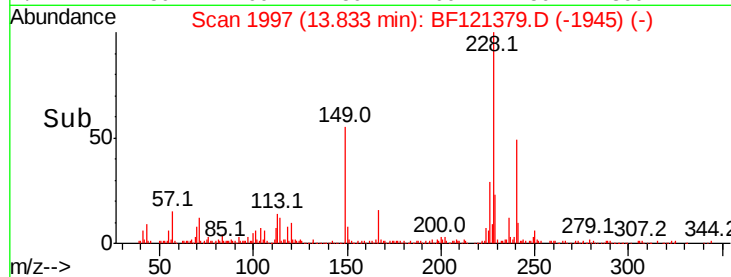
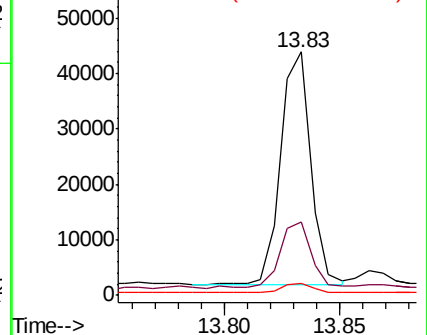
279 5.1 2.9 4.3#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF121379.D

Acq: 21 Aug 2020 21:20

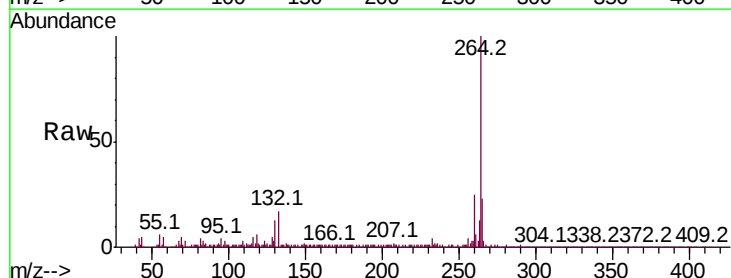
Tgt Ion:264 Resp: 392775

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

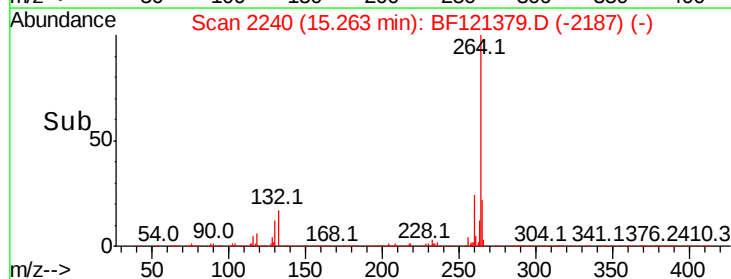
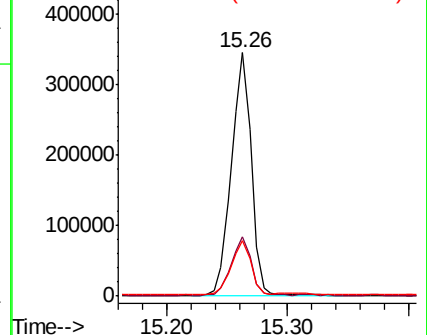
265 22.6 17.1 25.7

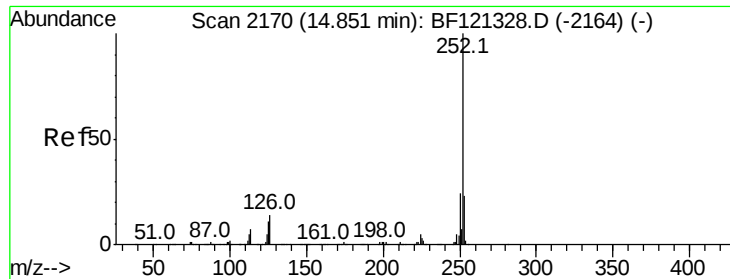


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

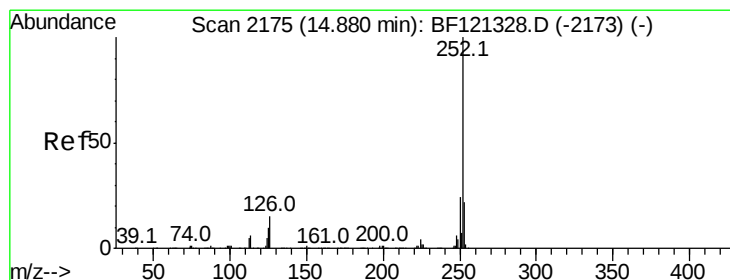
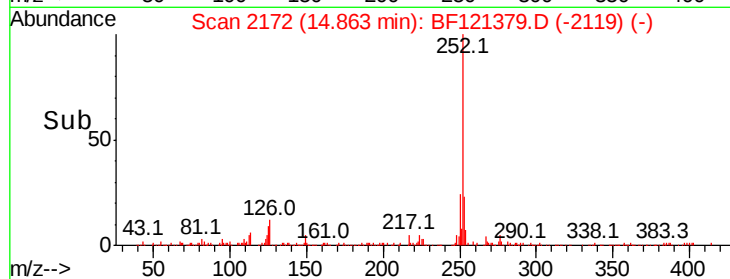
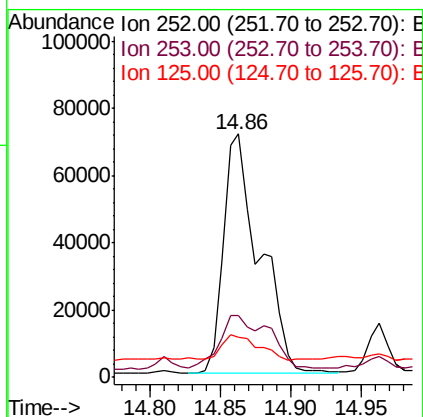
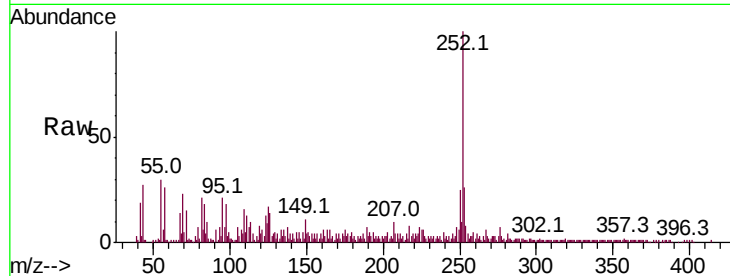




#88
Benzo(b)fluoranthene
Concen: 4.980 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121379.D
Acq: 21 Aug 2020 21:20

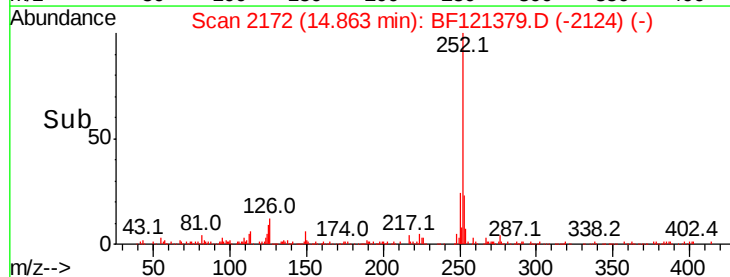
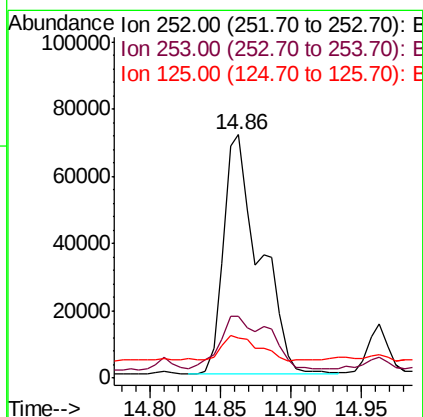
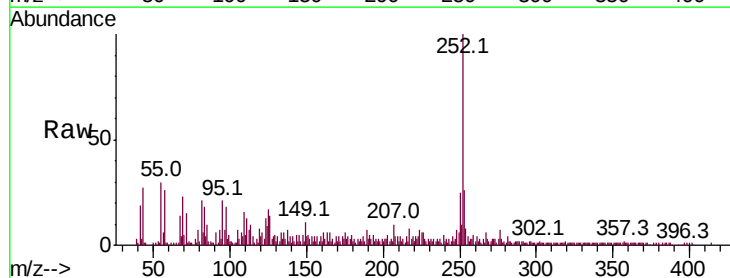
Instrument :
BNA_F
ClientSampleId :

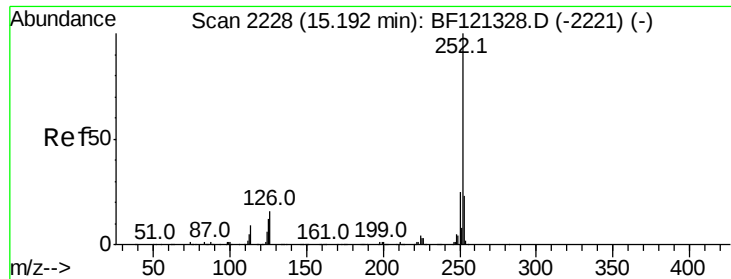
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	16.6	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 5.658 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121379.D
Acq: 21 Aug 2020 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	16.6	8.6	12.8#

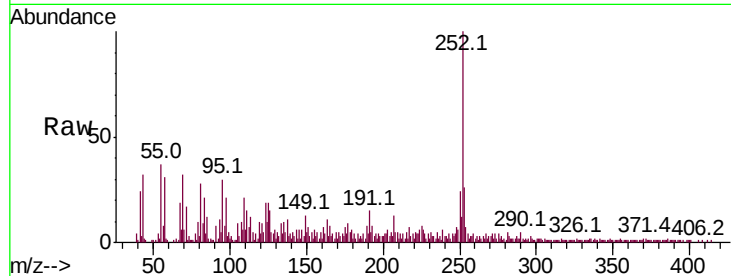




#90
Benzo(a)pyrene
Concen: 3.158 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF121379.D
Acq: 21 Aug 2020 21:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	19.1	9.4	14.0

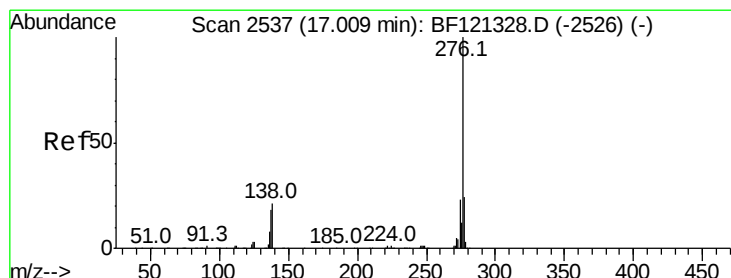
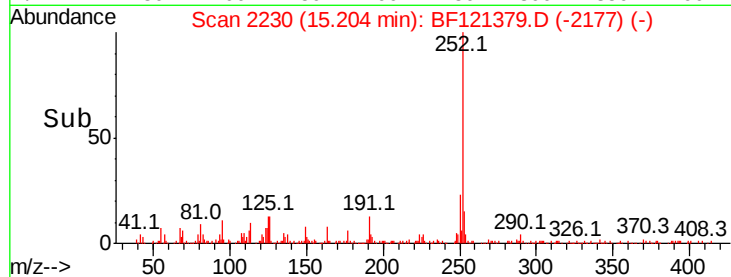
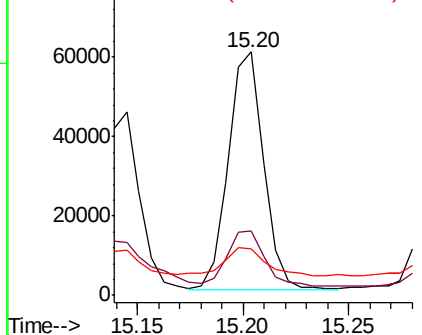


Abundance

Ion 252.00 (251.70 to 252.70): E

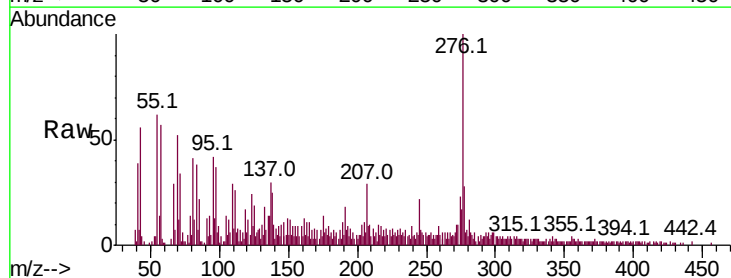
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.461 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF121379.D
Acq: 21 Aug 2020 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.3	28.9
138	25.2	16.8	25.2



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

