

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121382.D
 Acq On : 21 Aug 2020 22:53
 Operator : JU/CG
 Sample : L3734-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:35:42 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

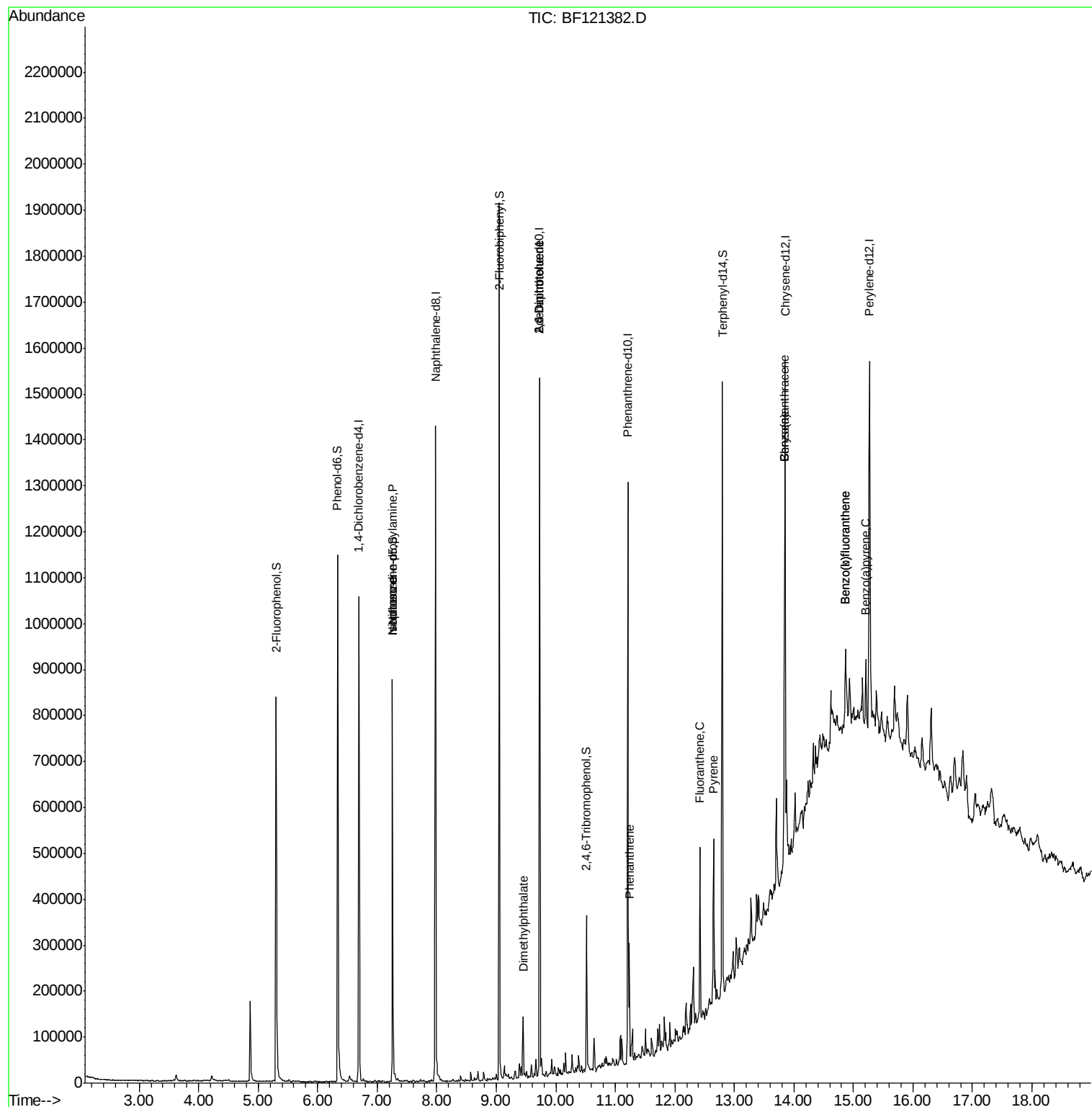
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	169496	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	635890	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	305382	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	498362	20.00	ng	0.00
76) Chrysene-d12	13.85	240	344898	20.00	ng	0.00
86) Perylene-d12	15.27	264	380841	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	292500	28.30	ng	0.00
7) Phenol-d6	6.34	99	444823	33.71	ng	0.00
23) Nitrobenzene-d5	7.26	82	289180	25.72	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	42765	12.02	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	548762	25.44	ng	0.00
79) Terphenyl-d14	12.80	244	403890	22.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	36536	5.148	ng	Qvalue # 81
25) Isophorone	7.26	82	288991	14.124	ng	# 65
50) Dimethylphthalate	9.45	163	53264	2.397	ng	97
51) 2,6-Dinitrotoluene	9.73	165	40462	8.528	ng	# 29
55) Dibenzofuran	9.93	168	7206	Below Cal		# 92
57) 2,4-Dinitrotoluene	9.73	165	40462	6.990	ng	# 25
58) Fluorene	10.27	166	11037	Below Cal		# 94
71) Phenanthrene	11.23	178	90071	3.492	ng	98
75) Fluoranthene	12.42	202	147765	5.278	ng	98
78) Pyrene	12.65	202	134997	5.211	ng	98
81) Benzo(a)anthracene	13.84	228	69228	3.232	ng	93
83) Chrysene	13.84	228	69262	3.161	ng	97
88) Benzo(b)fluoranthene	14.87	252	109836	4.464	ng	# 86
89) Benzo(k)fluoranthene	14.87	252	109836	5.071	ng	# 86
90) Benzo(a)pyrene	15.21	252	58074	2.732	ng	# 85

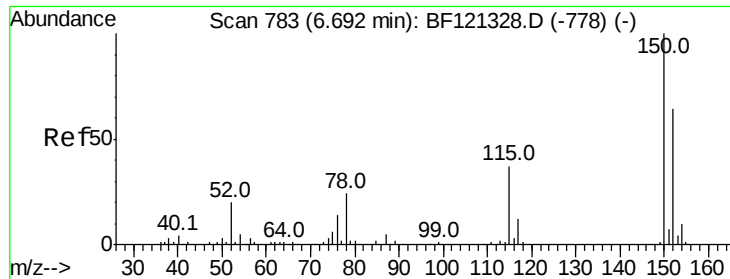
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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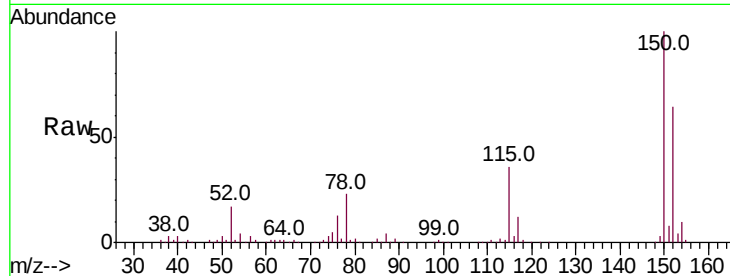


#1

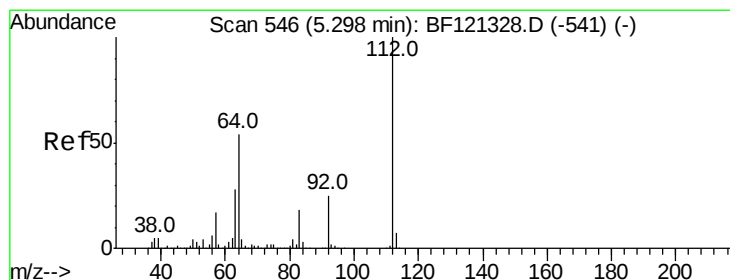
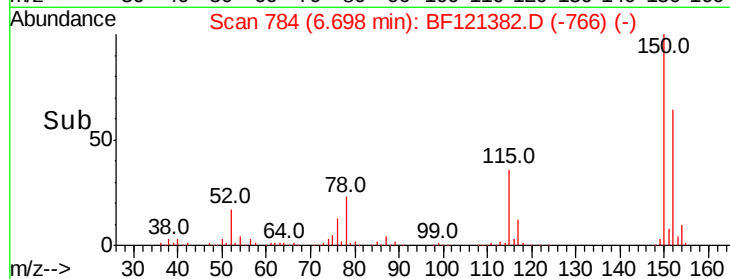
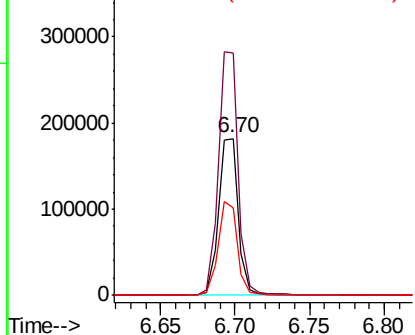
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.8	187.2
115	56.0	46.1	69.1



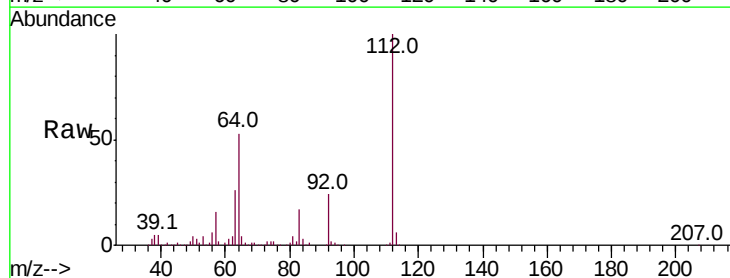
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



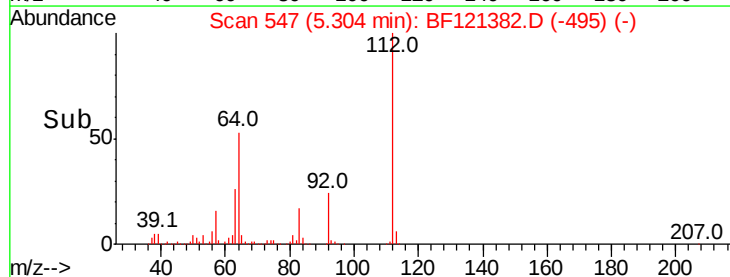
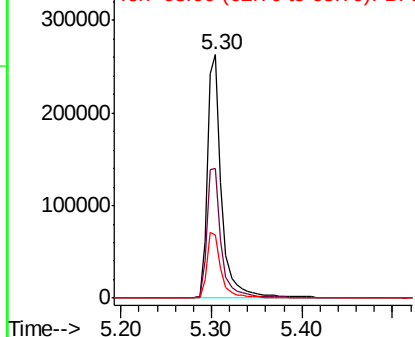
#5

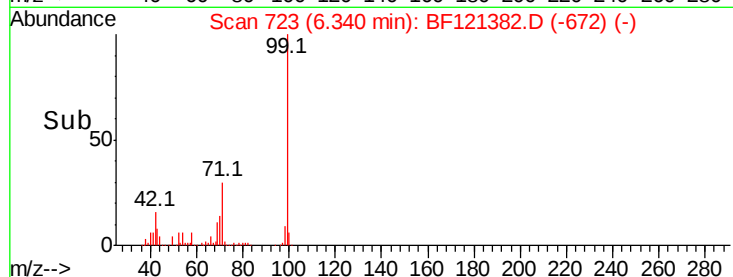
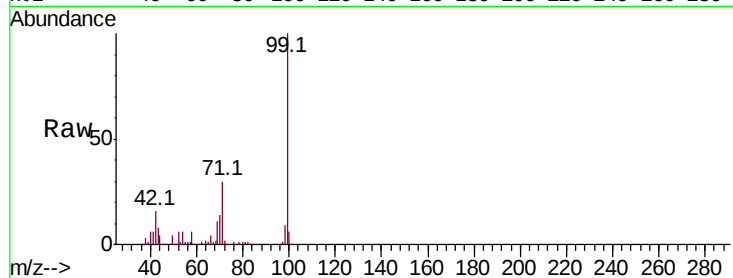
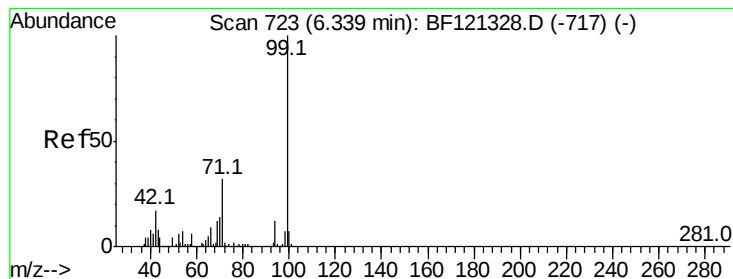
2-Fluorophenol
Concen: 28.297 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	43.5	65.3
63	25.9	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: 33.709 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampleId :

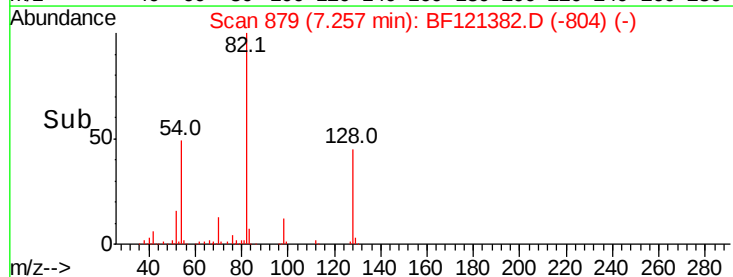
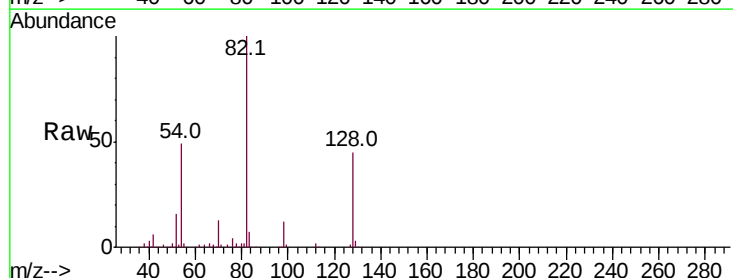
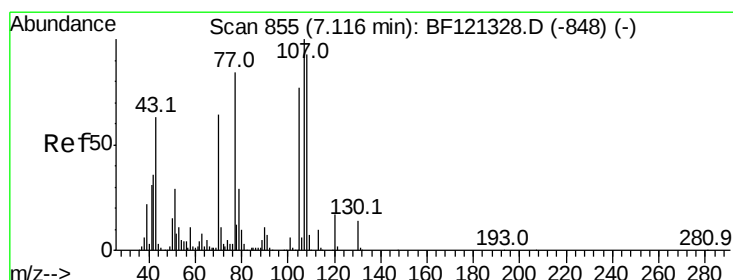
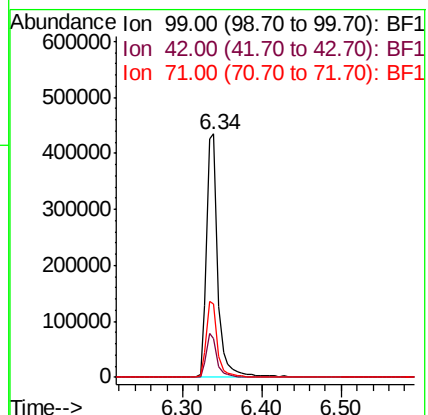
Tot Ion: 99 Resp: 444823

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

71 29.9 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 5.148 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Tgt Ion: 70 Resp: 36536

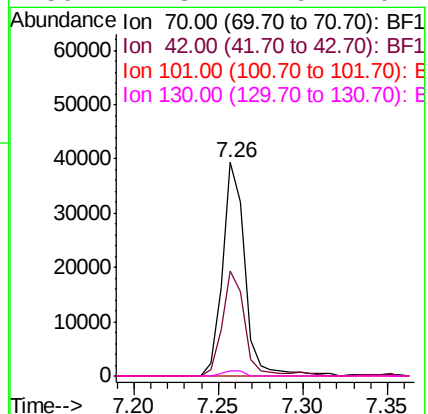
Ion Ratio Lower Upper

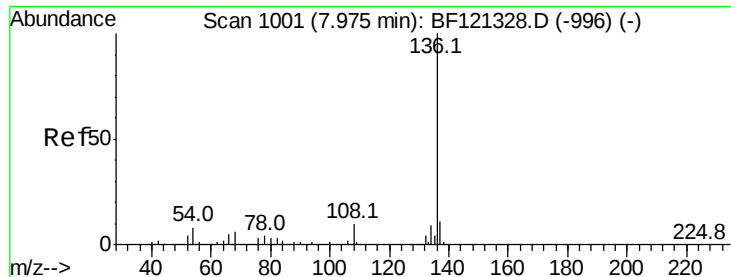
70 100

42 49.4 45.2 67.8

101 0.0 7.7 11.5#

130 2.3 17.6 26.4#

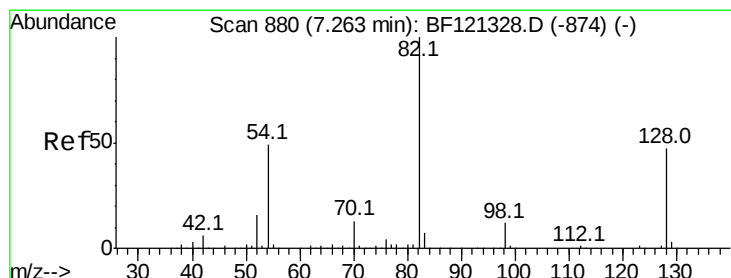
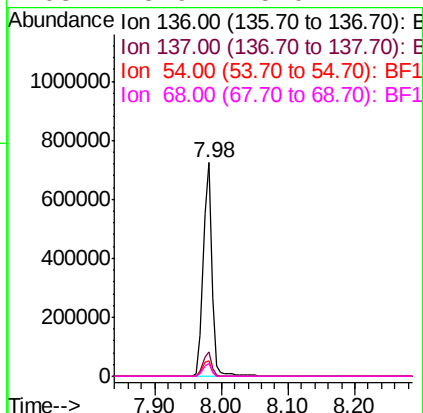
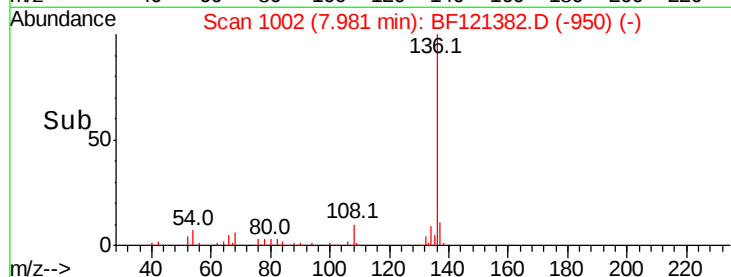
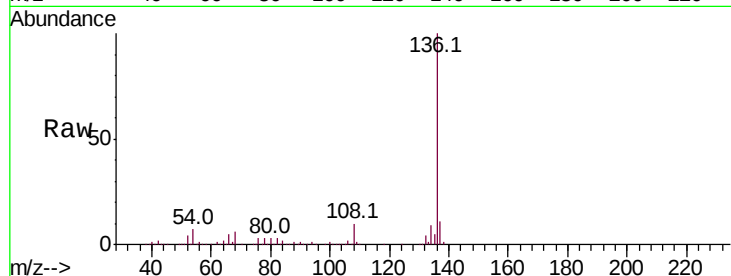




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

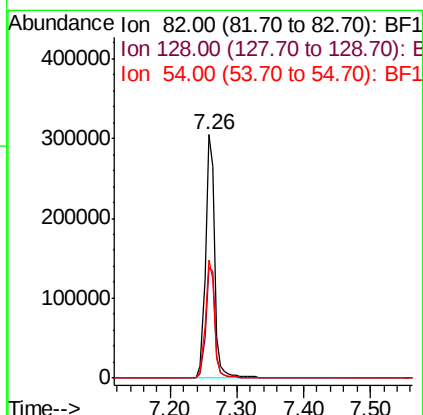
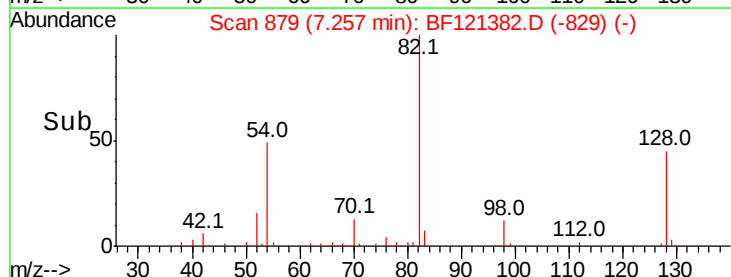
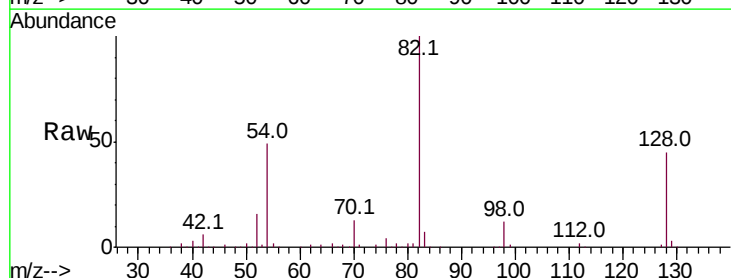
Instrument :
BNA_F
ClientSampleId :

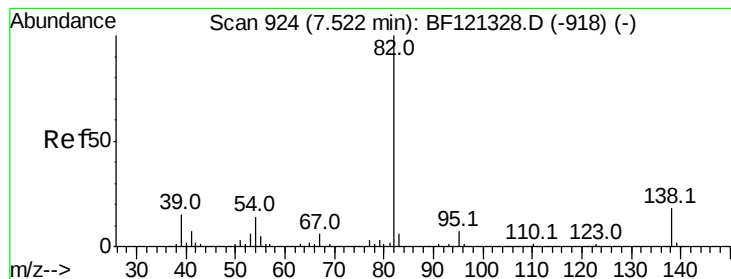
Tot Ion:	136	Resp:	635890
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.1	6.1	9.1
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 25.720 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Tgt Ion:	82	Resp:	289180
Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.9	56.9
54	48.7	39.0	58.4





#25

Isophorone

Concen: 14.124 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampled :

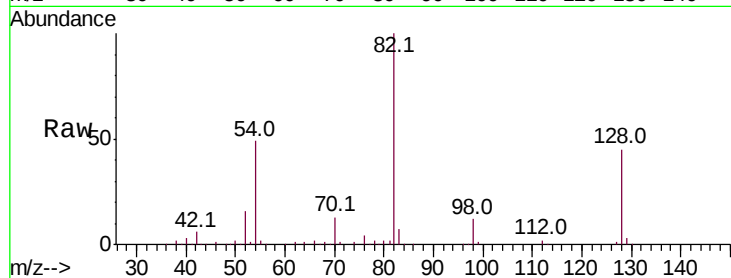
Tot Ion: 82 Resp: 288991

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

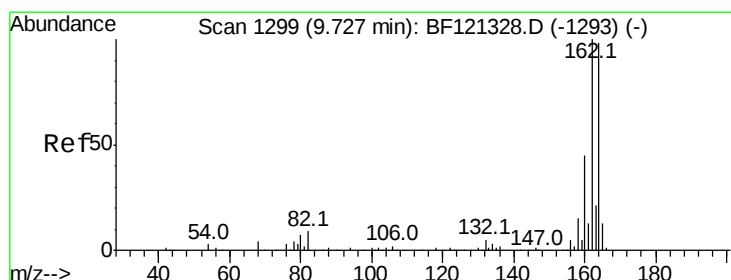
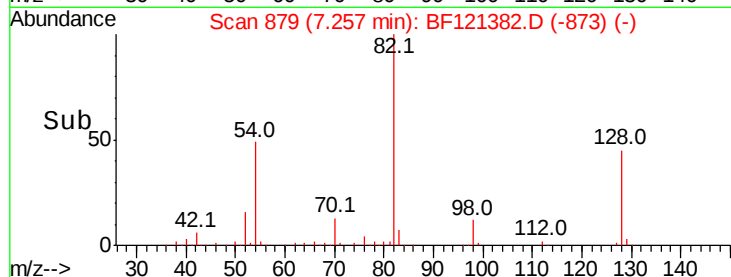
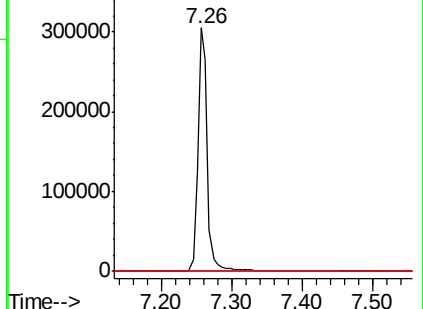
138 0.0 14.6 21.8#



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: BF121382.D

Acq: 21 Aug 2020 22:53

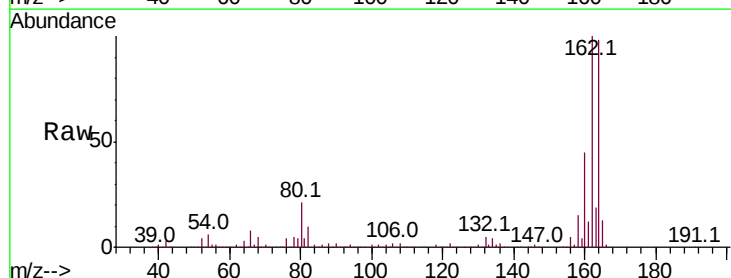
Tgt Ion:164 Resp: 305382

Ion Ratio Lower Upper

164 100

162 102.4 81.7 122.5

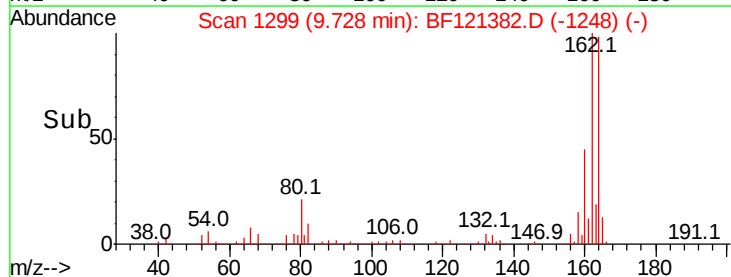
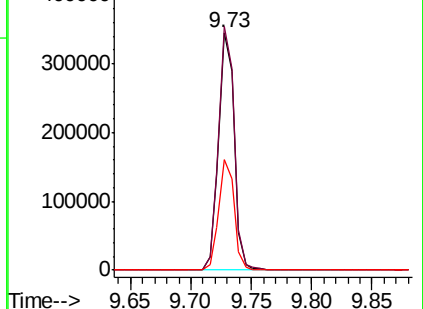
160 46.2 37.0 55.4

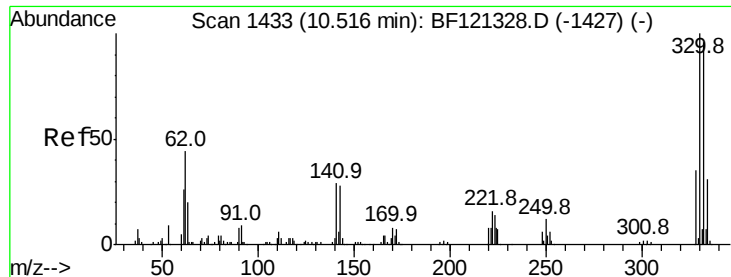


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

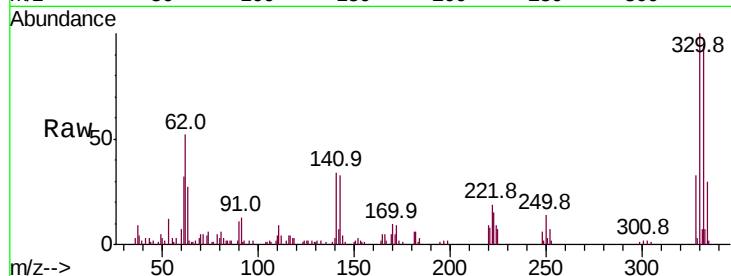




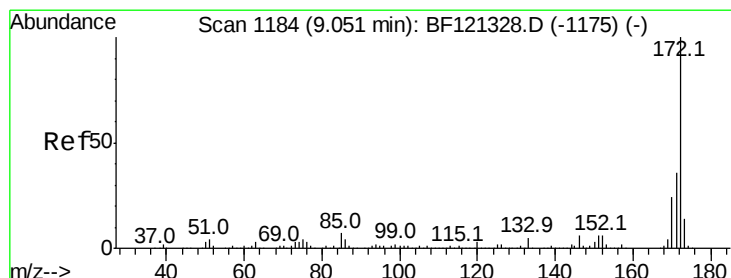
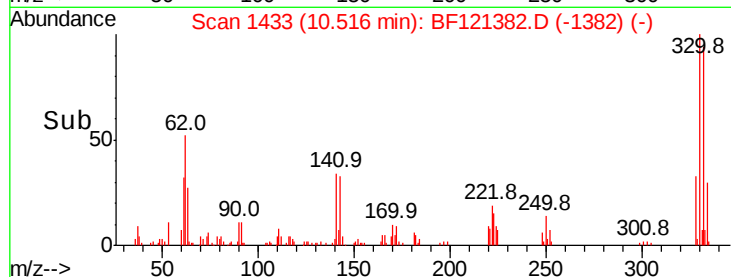
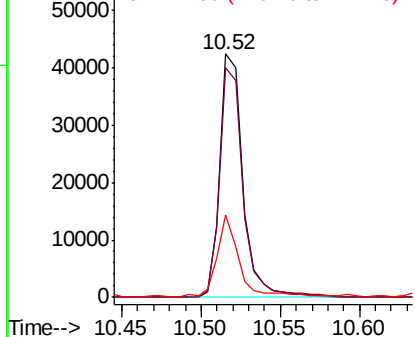
#42
 2,4,6-Tribromophenol
 Concen: 12.017 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121382.D
 Acq: 21 Aug 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	34.3	22.8	34.2#

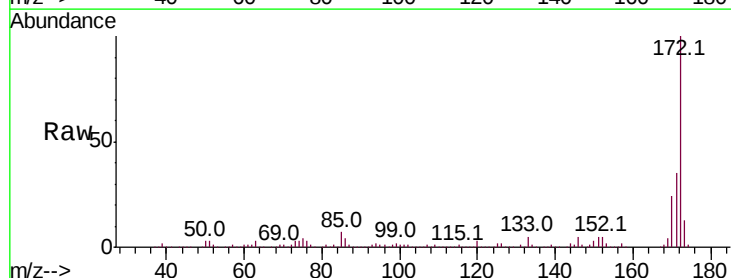


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

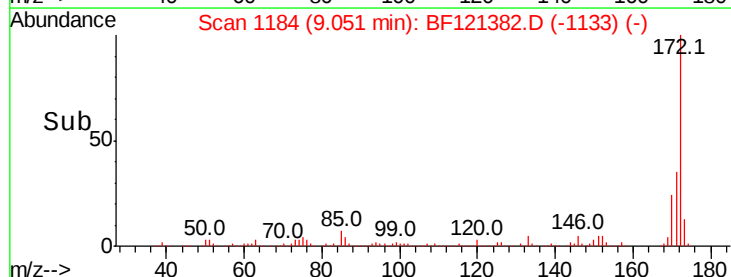
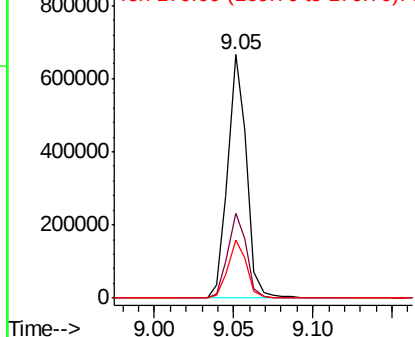


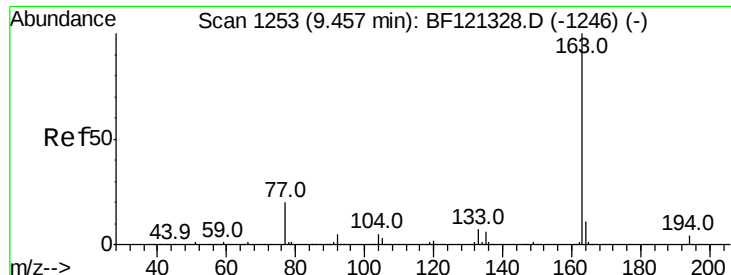
#45
 2-Fluorobiphenyl
 Concen: 25.438 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121382.D
 Acq: 21 Aug 2020 22:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.6
170	23.7	19.4	29.2



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: 2.397 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampleId :

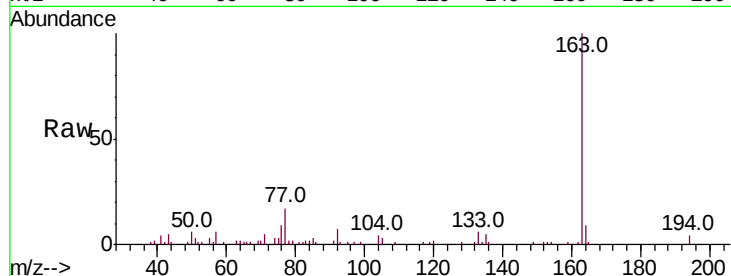
Tot Ion:163 Resp: 53264

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

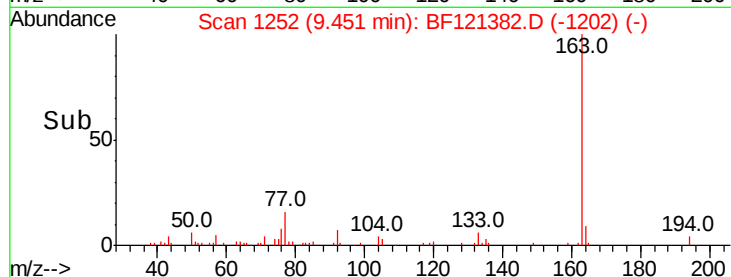
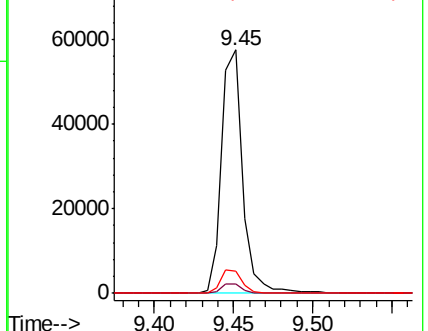
164 9.2 8.4 12.6



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: 8.528 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

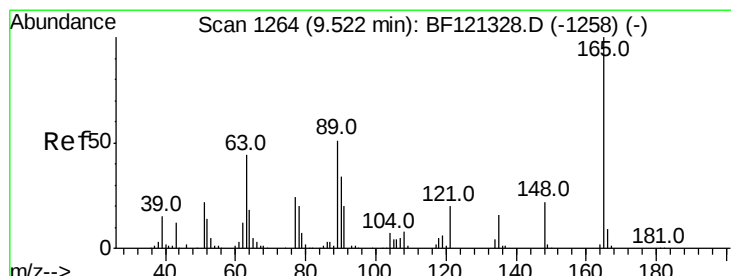
Tgt Ion:165 Resp: 40462

Ion Ratio Lower Upper

165 100

63 1.2 38.5 57.7#

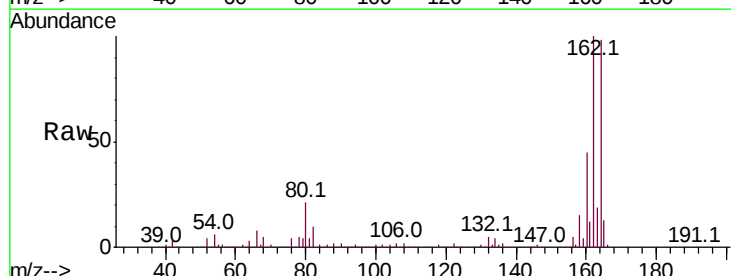
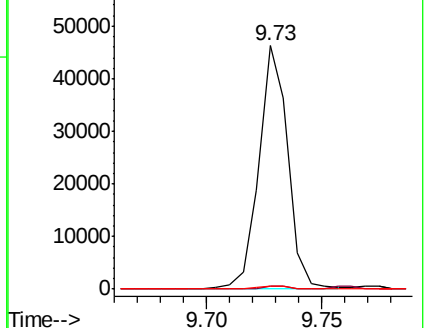
89 1.3 41.2 61.8#

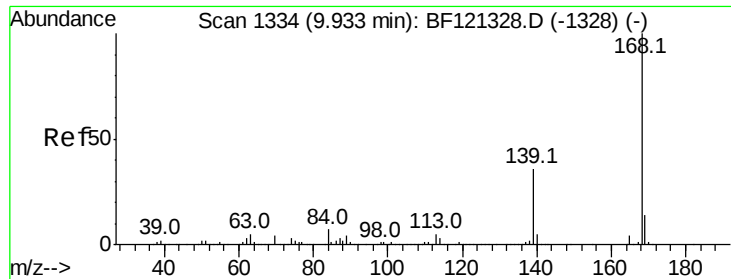


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

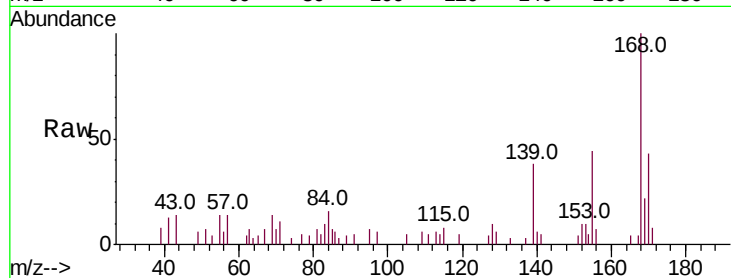




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.1	43.7
169	22.1	11.0	16.6

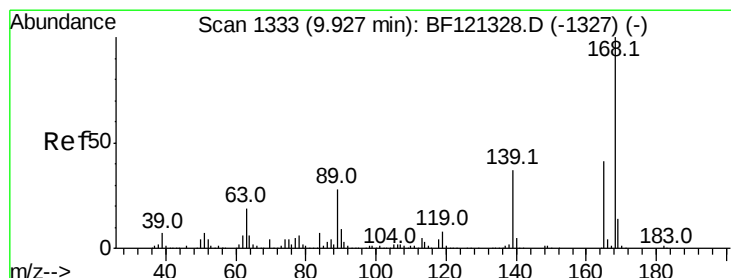
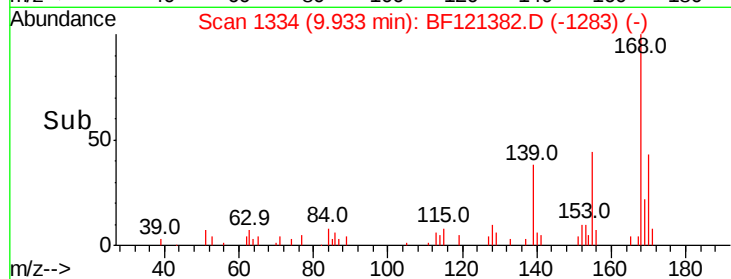
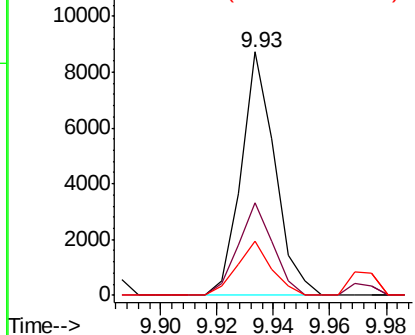


Abundance

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: 6.990 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.5	56.3
89	1.3	54.2	81.4
182	0.0	2.2	3.4

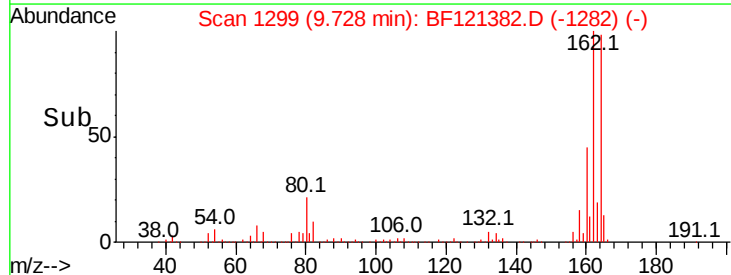
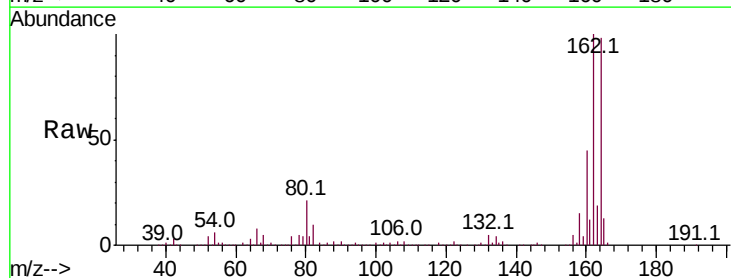
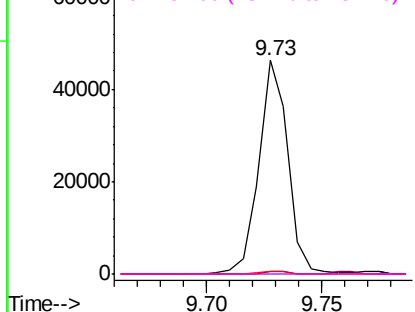
Abundance

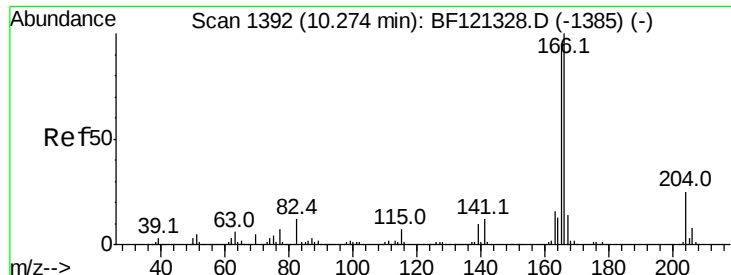
Ion 165.00 (164.70 to 165.70): E

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# 1392

Delta R.T. 0.00 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampleId :

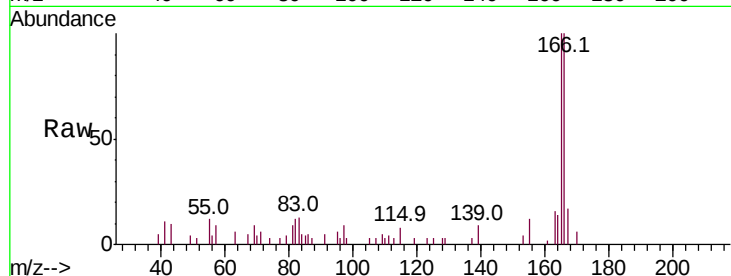
Tot Ion:166 Resp: 11037

Ion Ratio Lower Upper

166 100

165 100.2 75.8 113.8

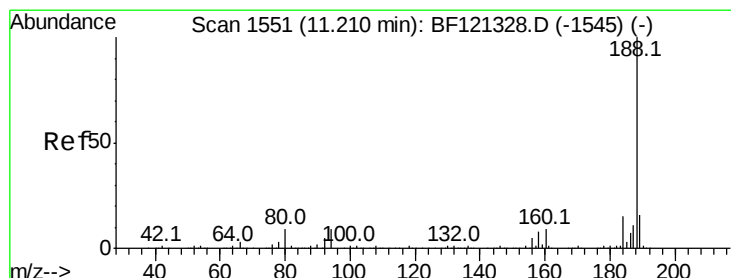
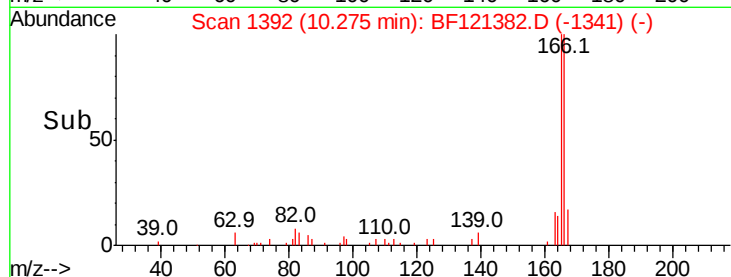
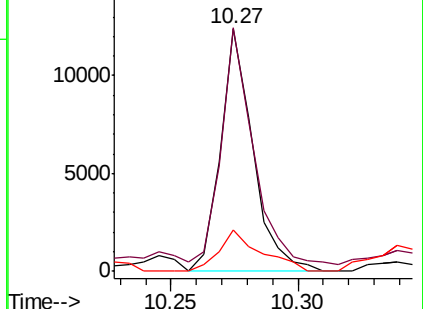
167 17.3 11.0 16.4#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

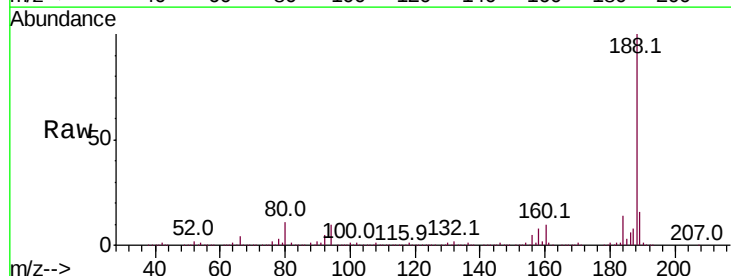
Tgt Ion:188 Resp: 498362

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

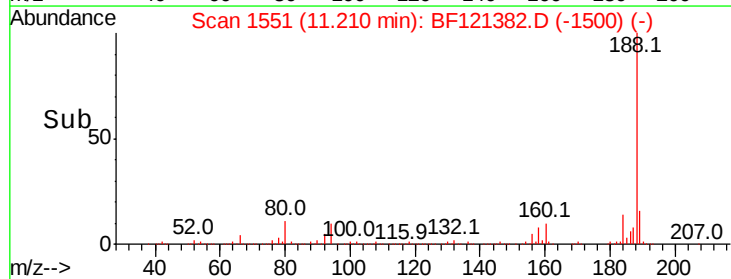
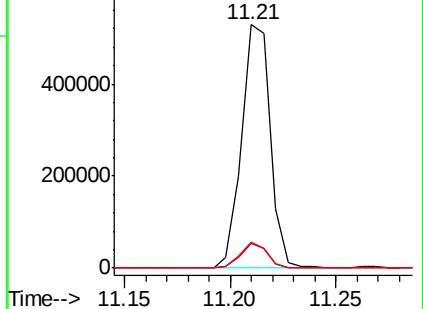
80 10.5 7.4 11.0

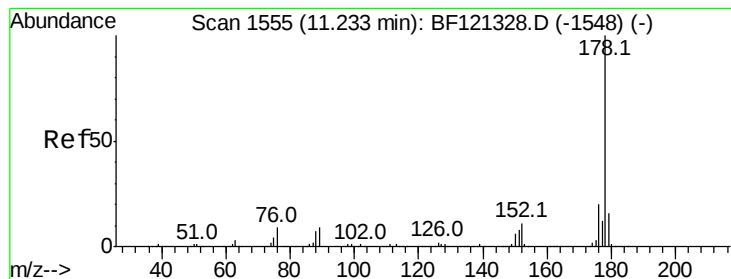


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 3.492 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampled :

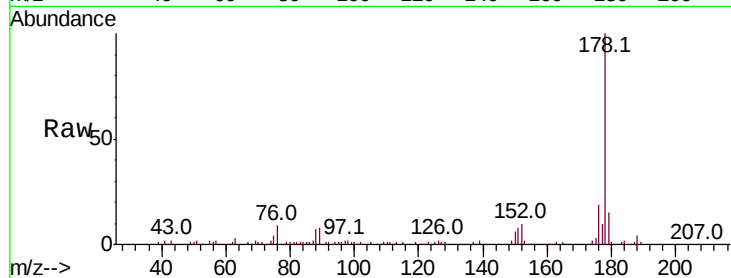
Tot Ion:178 Resp: 90071

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

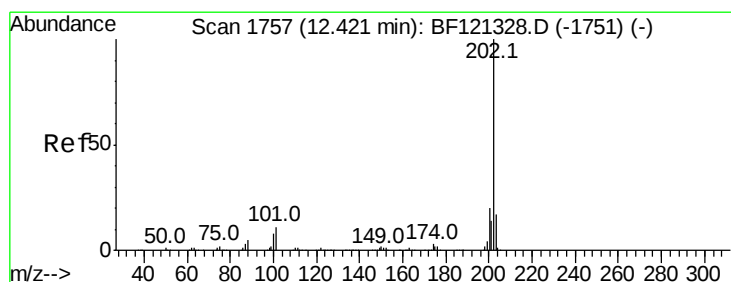
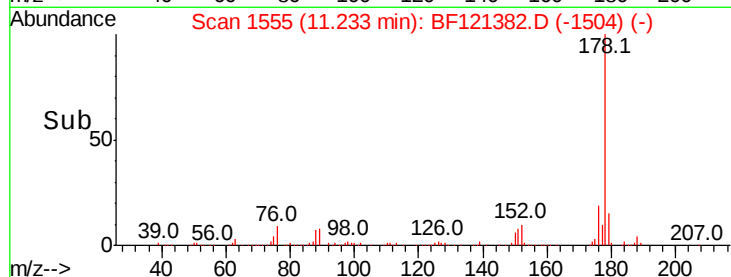
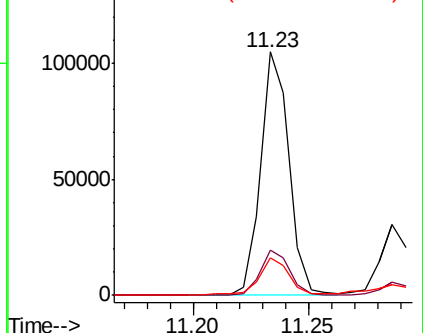
179 15.5 12.8 19.2



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: 5.278 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

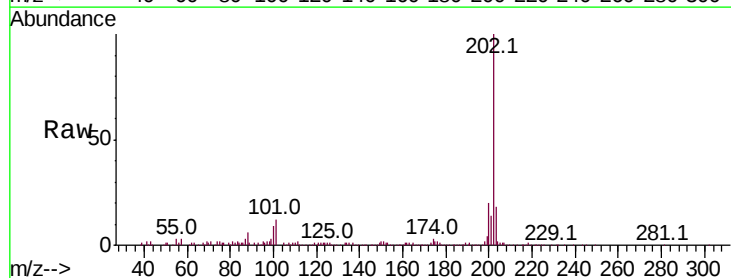
Tgt Ion:202 Resp: 147765

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.6

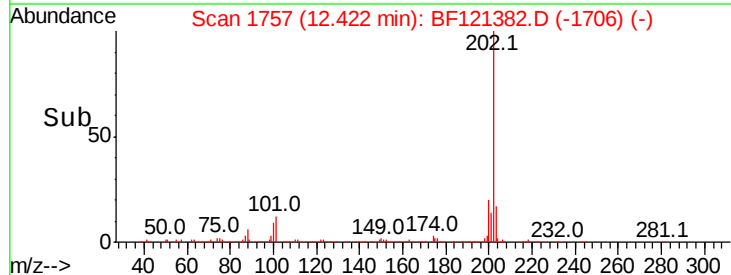
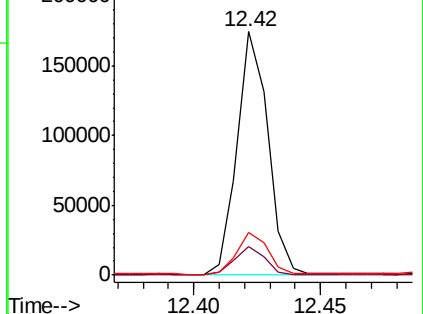
203 17.8 0.0 37.5

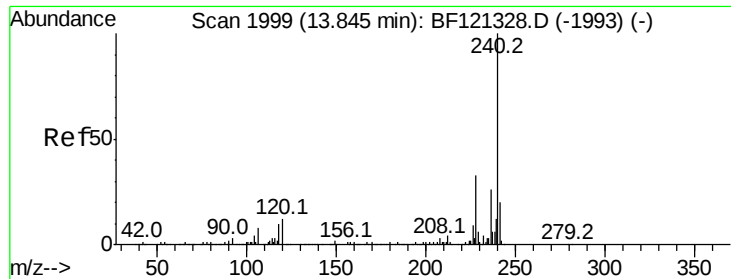


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2000

Delta R.T. 0.01 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampleId :

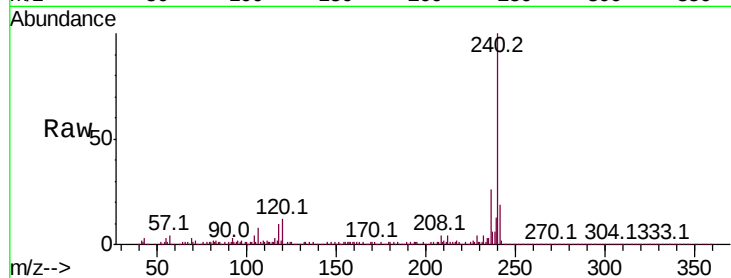
Tot Ion:240 Resp: 344898

Ion Ratio Lower Upper

240 100

120 11.7 9.6 14.4

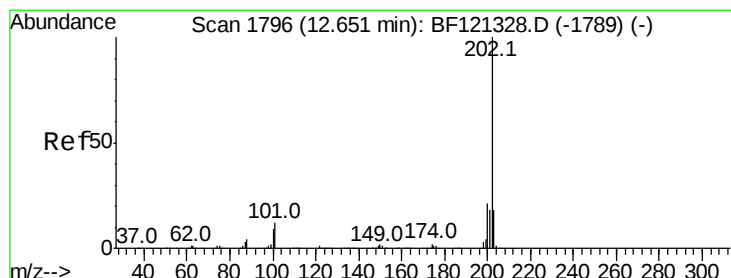
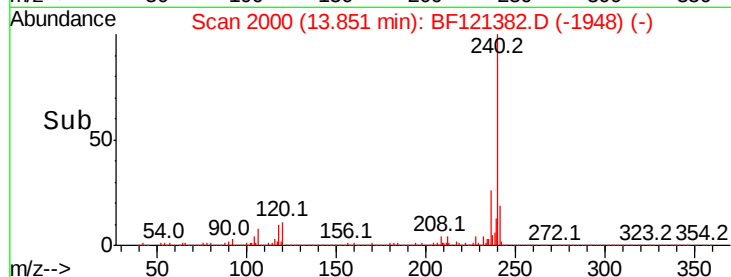
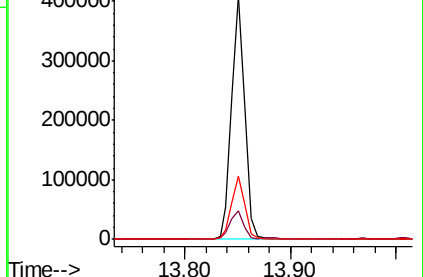
236 26.1 20.6 31.0



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

Pyrene

Concen: 5.211 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

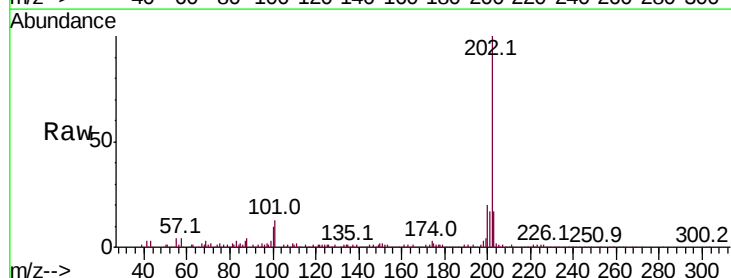
Tgt Ion:202 Resp: 134997

Ion Ratio Lower Upper

202 100

200 19.6 16.6 24.8

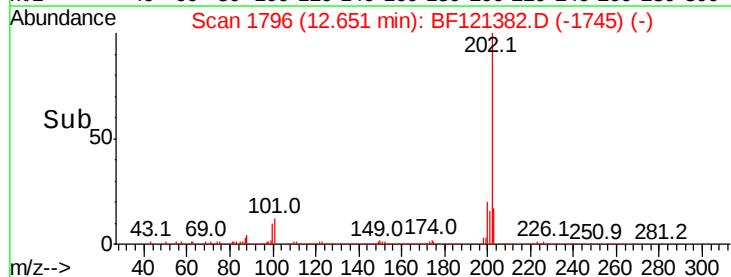
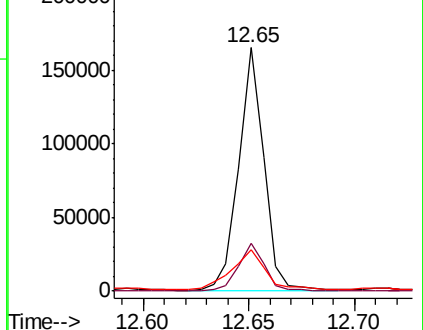
203 17.2 14.2 21.2

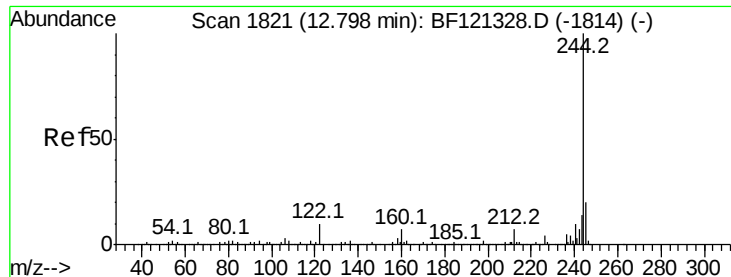


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

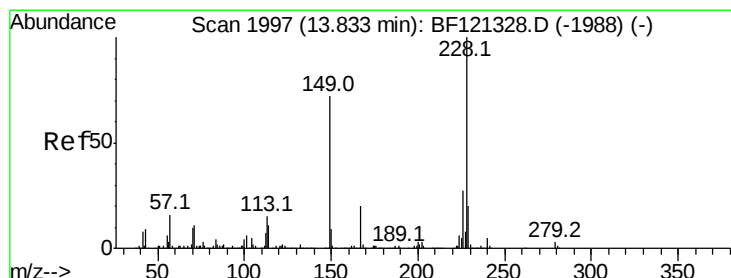
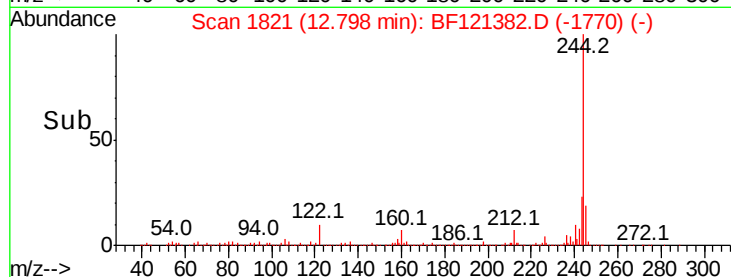
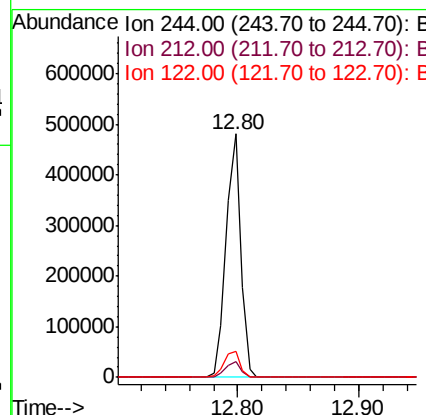
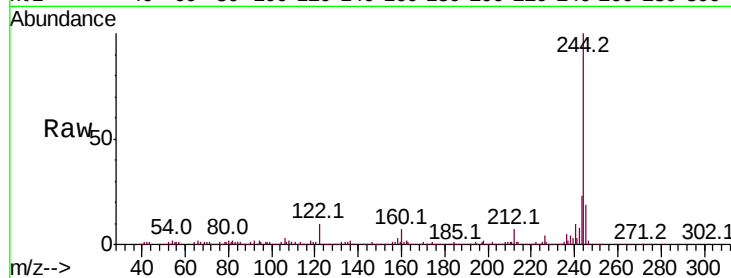




#79
 Terphenyl-d14
 Concen: 22.884 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121382.D
 Acq: 21 Aug 2020 22:53

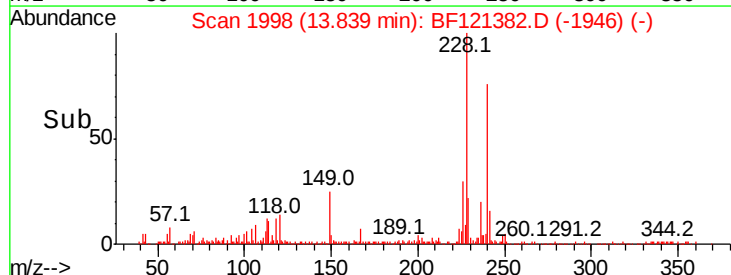
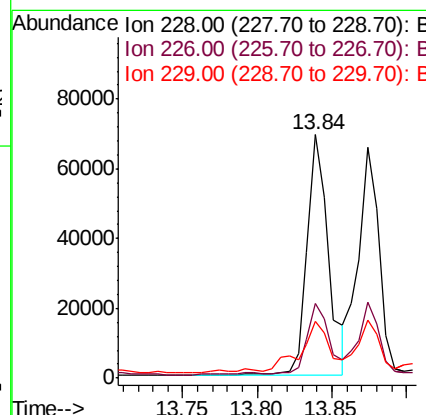
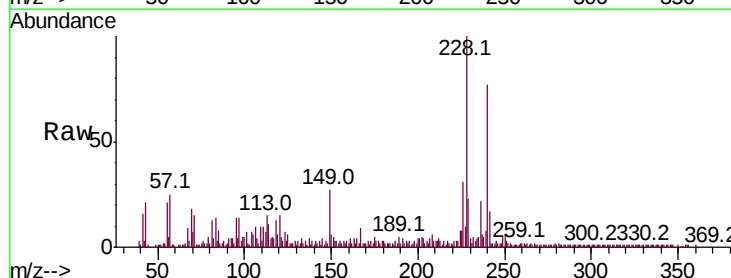
Instrument :
 BNA_F
 ClientSampleId :

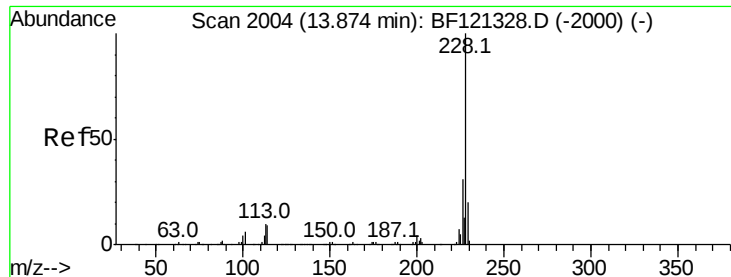
Tot Ion:244 Resp: 403890
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.4 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.232 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF121382.D
 Acq: 21 Aug 2020 22:53

Tgt Ion:228 Resp: 69228
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.6
 229 23.2 15.8 23.8

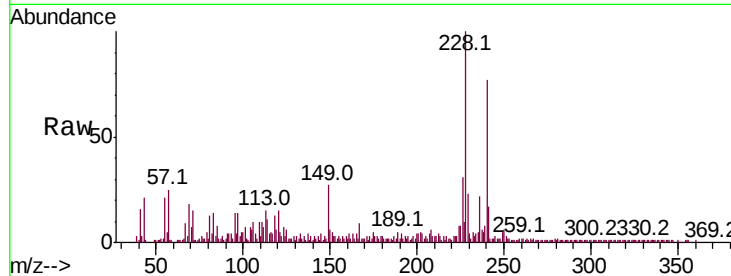




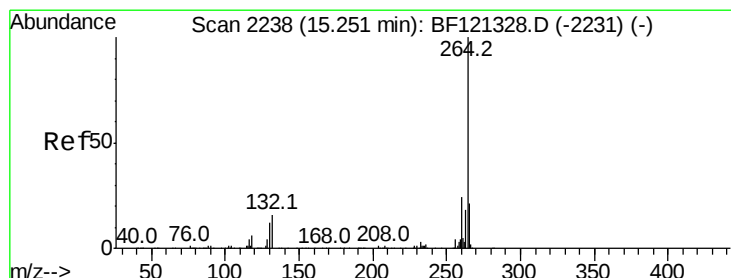
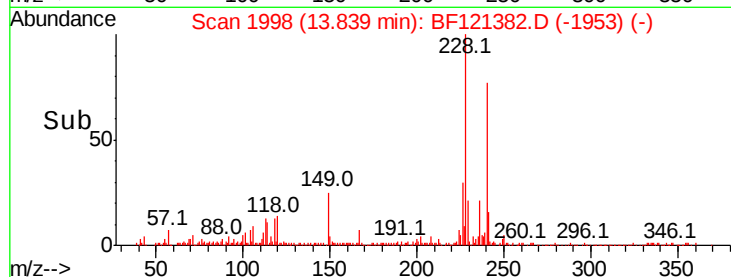
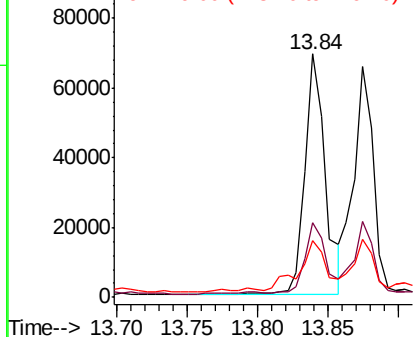
#83
Chrysene
Concen: 3.161 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.04 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228	Resp:	69262
Ion	Ratio	Lower Upper
228	100	
226	30.5	24.6 36.8
229	23.2	15.9 23.9

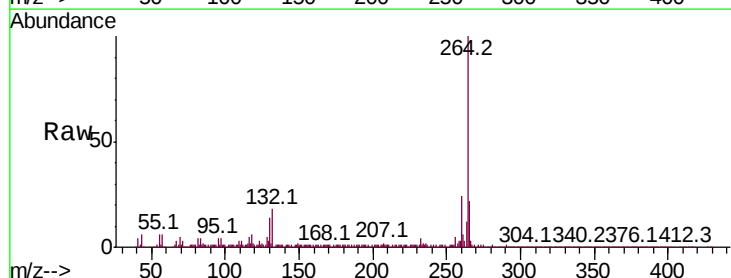


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

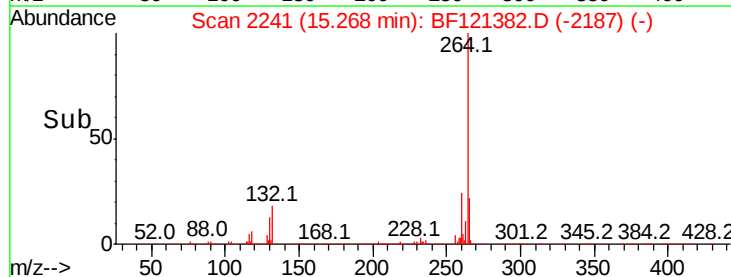
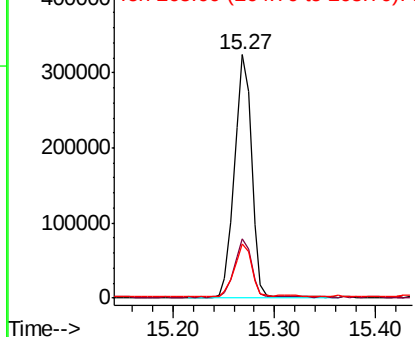


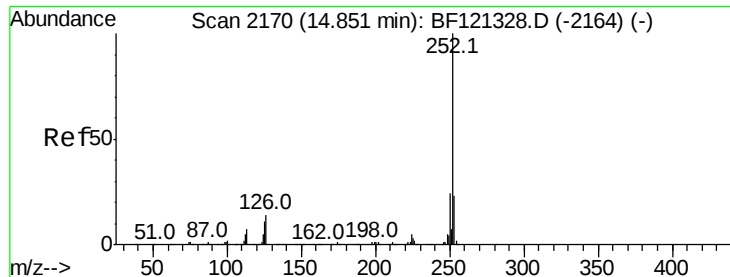
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121382.D
Acq: 21 Aug 2020 22:53

Tgt Ion:264	Resp:	380841
Ion	Ratio	Lower Upper
264	100	
260	24.4	19.5 29.3
265	22.3	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: 4.464 ng

RT: 14.87 min Scan# 2173

Delta R.T. 0.02 min

Lab File: BF121382.D

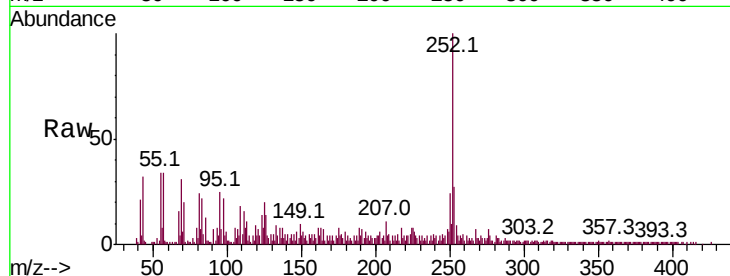
Acq: 21 Aug 2020 22:53

Instrument :

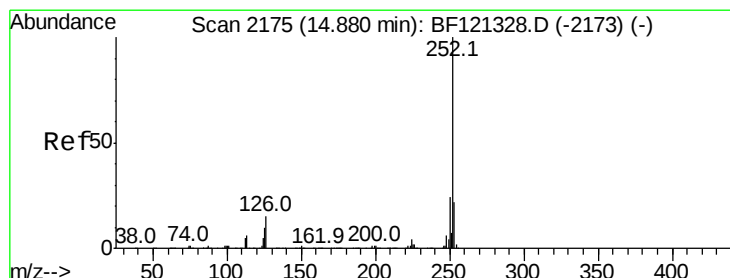
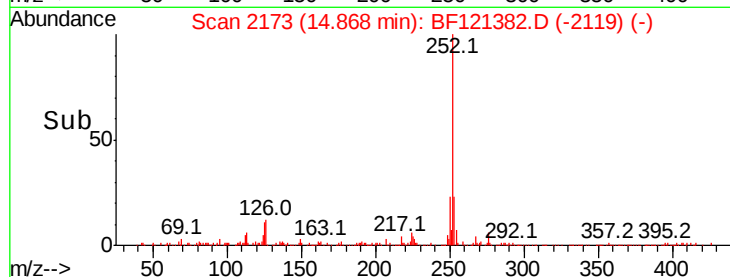
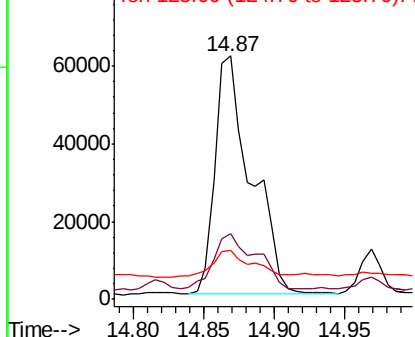
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	109836
Ion Ratio	Lower	Upper
252	100	
253	26.8	18.0 27.0
125	20.1	8.6 12.8#



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: 5.071 ng

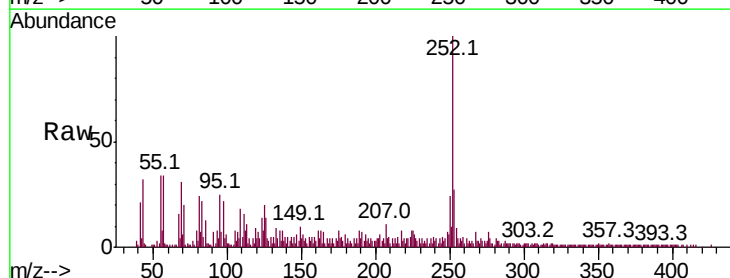
RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

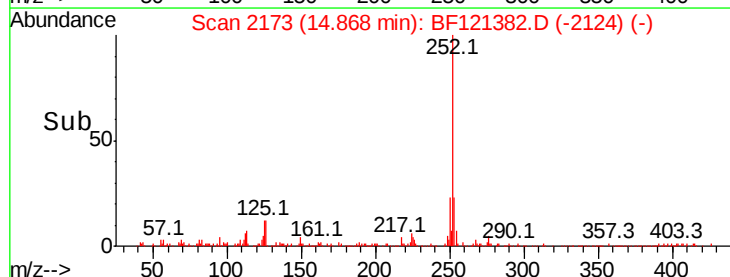
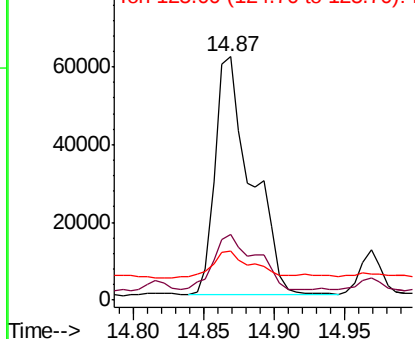
Lab File: BF121382.D

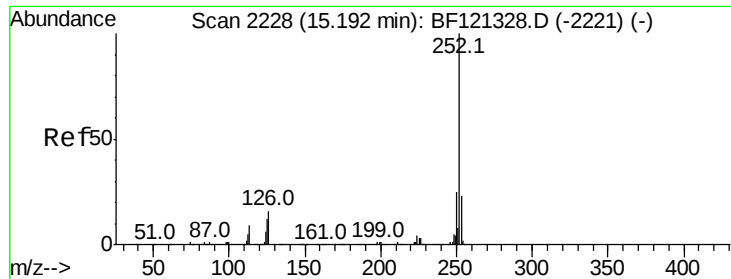
Acq: 21 Aug 2020 22:53

Tgt Ion:252	Resp:	109836
Ion Ratio	Lower	Upper
252	100	
253	26.8	17.9 26.9
125	20.1	8.6 12.8#



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





#90

Benzo(a)pyrene

Concen: 2.732 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.02 min

Lab File: BF121382.D

Acq: 21 Aug 2020 22:53

Instrument :

BNA_F

ClientSampleId :

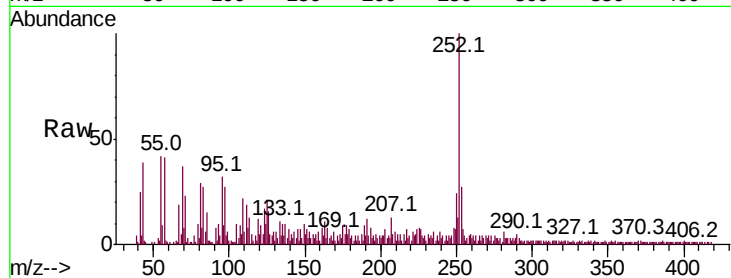
Tot Ion:252 Resp: 58074

Ion Ratio Lower Upper

252 100

253 27.5 18.0 27.0#

125 20.8 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

