

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121377.D
 Acq On : 21 Aug 2020 20:19
 Operator : JU/CG
 Sample : L3729-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 00:34:57 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	155296	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	597914	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	309341	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	582280	20.00	ng	0.00
76) Chrysene-d12	13.84	240	399891	20.00	ng	0.00
86) Perylene-d12	15.26	264	359506	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	732593	77.35	ng	0.00
7) Phenol-d6	6.34	99	919209	76.03	ng	0.00
23) Nitrobenzene-d5	7.26	82	603842	57.12	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	269985	74.90	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1065234	62.72	ng	0.00
79) Terphenyl-d14	12.80	244	1041668	50.90	ng	0.00

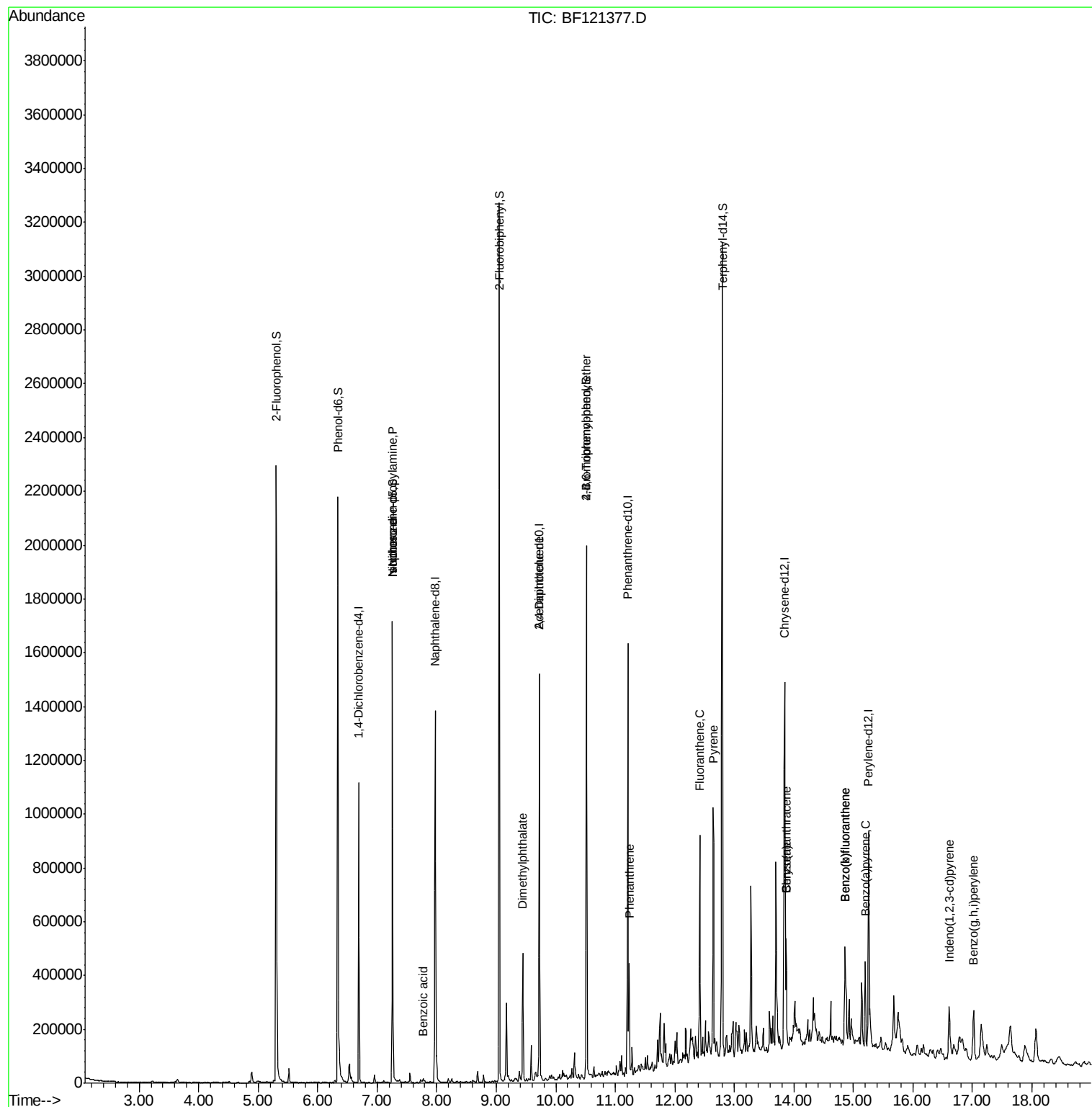
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	79293	12.195	ng	# 78
20) 3+4-Methylphenols	7.15	107	261	Below Cal		# 80
25) Isophorone	7.26	82	603838	31.385	ng	# 65
32) Benzoic acid	7.76	122	641	7.154	ng	# 77
50) Dimethylphthalate	9.45	163	171439	7.618	ng	99
55) Dibenzofuran	9.93	168	4726	Below Cal		# 92
57) 2,4-Dinitrotoluene	9.73	165	40715	6.944	ng	# 25
58) Fluorene	10.27	166	10310	Below Cal		# 97
67) 4-Bromophenyl-phenylether	10.52	248	15482	2.397	ng	# 1
71) Phenanthrene	11.23	178	151340	5.022	ng	98
75) Fluoranthene	12.42	202	325663	9.956	ng	99
78) Pyrene	12.64	202	378182	12.590	ng	99
81) Benzo(a)anthracene	13.87	228	151754	6.110	ng	95
83) Chrysene	13.87	228	151754	5.974	ng	99
87) Indeno(1,2,3-cd)pyrene	16.61	276	122427	5.579	ng	96
88) Benzo(b)fluoranthene	14.86	252	246028	10.593	ng	99
89) Benzo(k)fluoranthene	14.86	252	246028	12.034	ng	99
90) Benzo(a)pyrene	15.20	252	130247	6.490	ng	100
92) Benzo(a,h,i)perylene	17.02	276	144176	8.196	ng	100

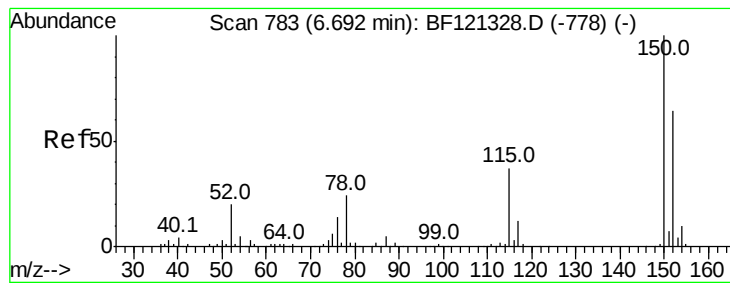
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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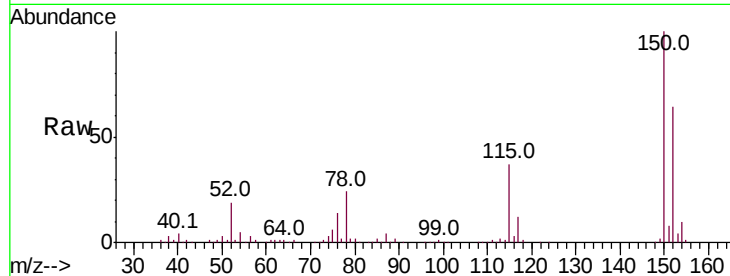


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.8	187.2
115	58.2	46.1	69.1

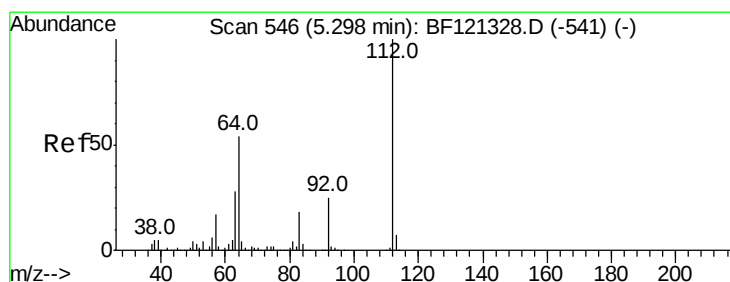
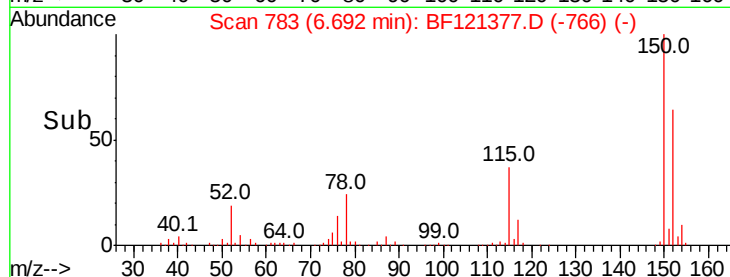
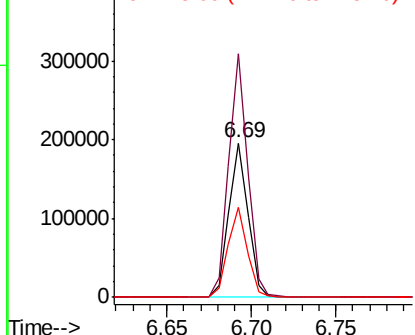


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

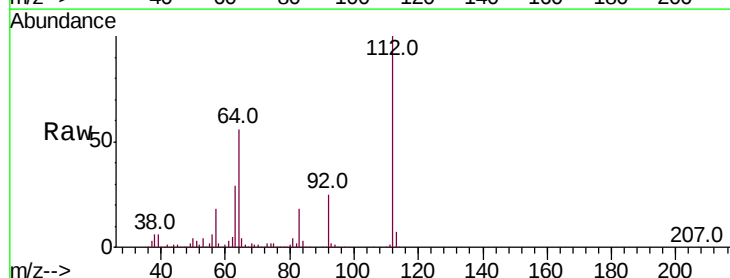
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.353 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	43.5	65.3
63	29.3	22.0	33.0

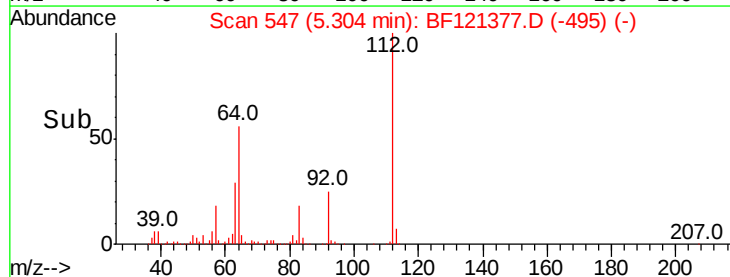
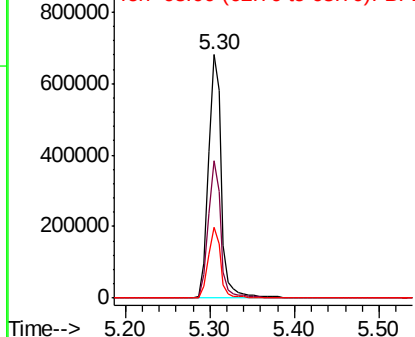


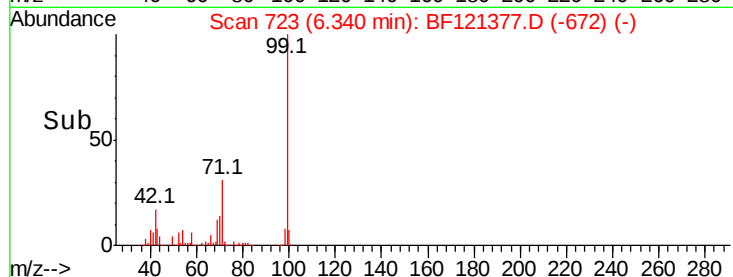
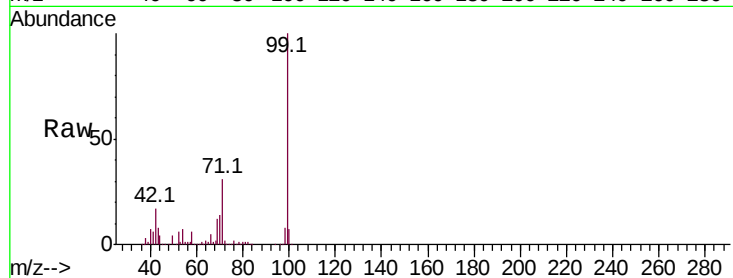
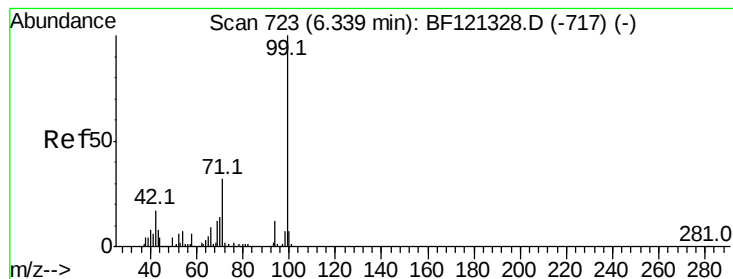
Abundance

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: 76.028 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA_F

ClientSampled :

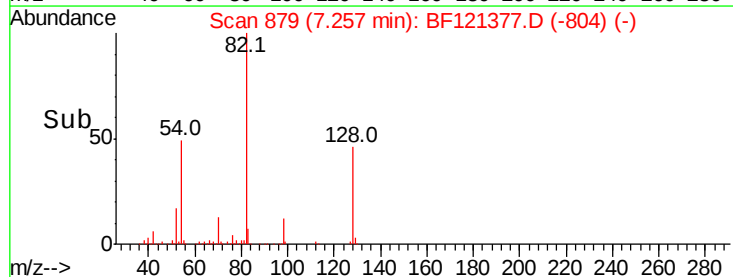
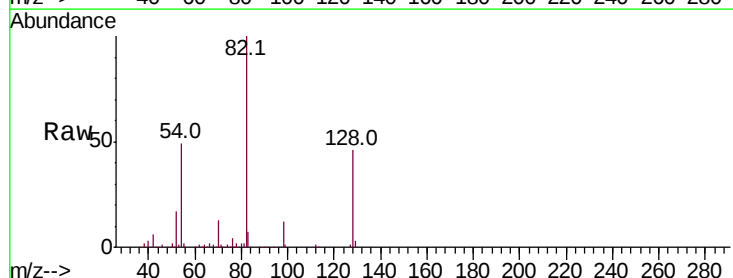
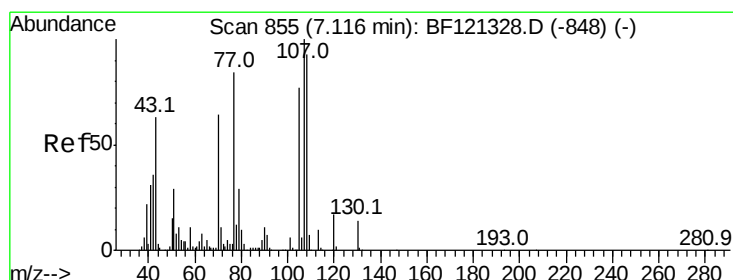
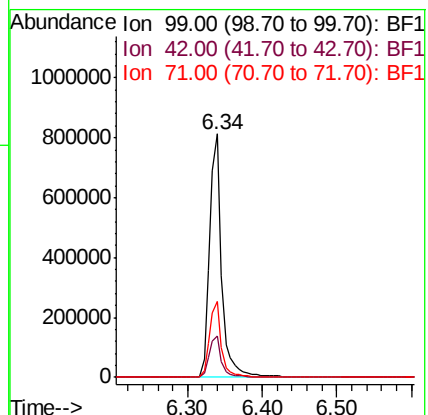
Tot Ion: 99 Resp: 919209

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

71 31.2 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.195 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Tgt Ion: 70 Resp: 79293

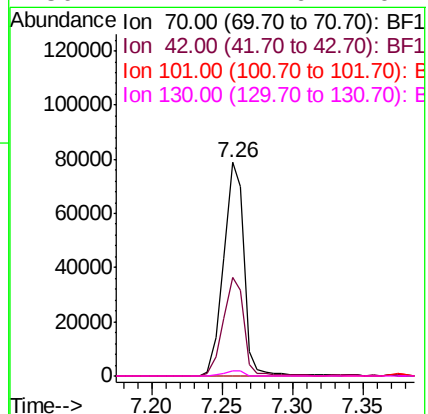
Ion Ratio Lower Upper

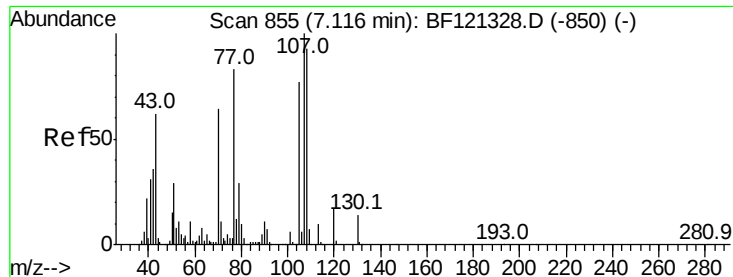
70 100

42 46.3 45.2 67.8

101 0.0 7.7 11.5#

130 2.2 17.6 26.4#

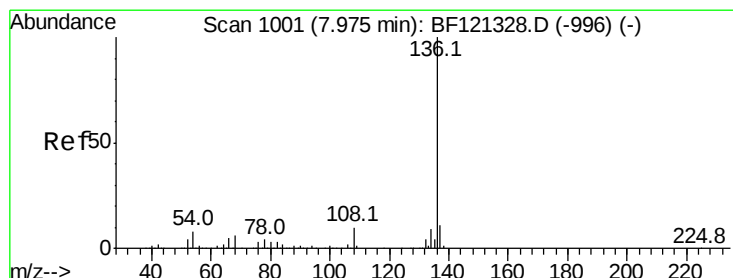
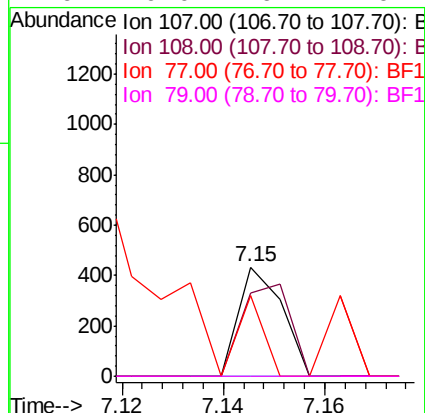
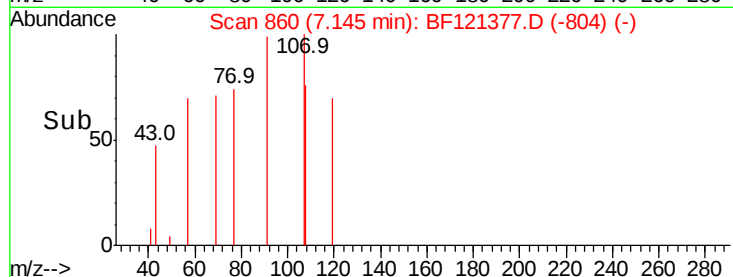
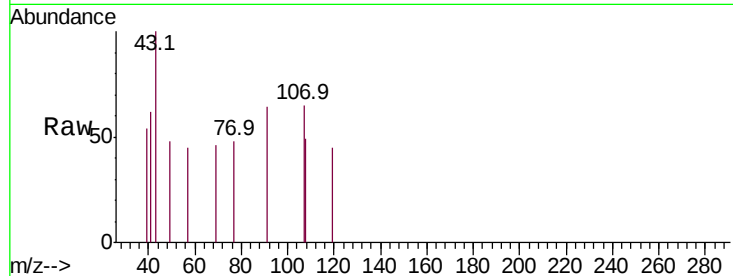




#20
 3+4-Methylphenols
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. 0.03 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

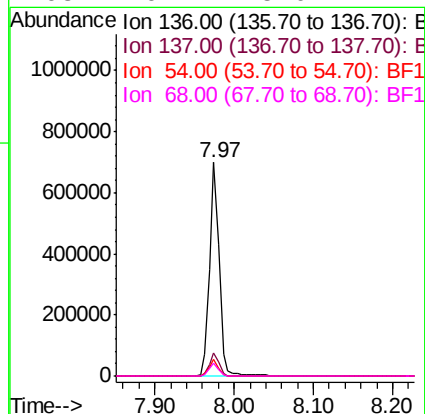
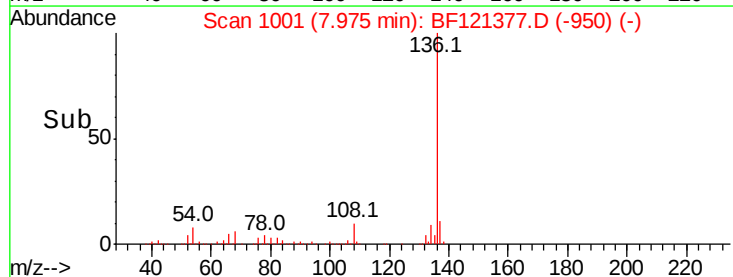
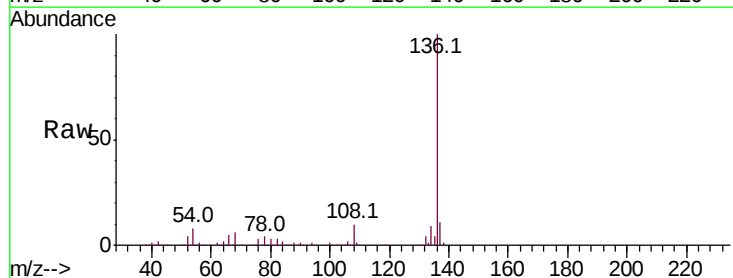
Instrument :
 BNA_F
 ClientSampleId :

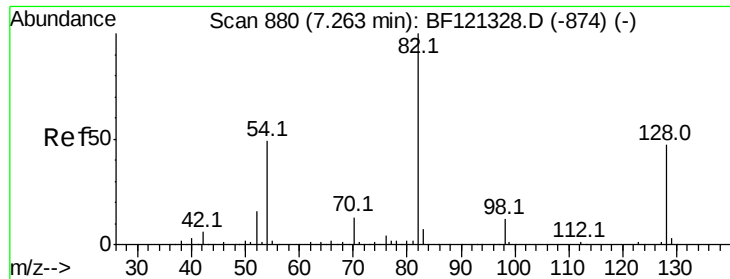
Tot Ion:107 Resp: 261
 Ion Ratio Lower Upper
 107 100
 108 76.0 72.6 112.6
 77 73.7 63.8 103.8
 79 0.0 9.1 49.1#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Tgt Ion:136 Resp: 597914
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.9 13.3
 54 7.7 6.1 9.1
 68 6.2 5.0 7.4

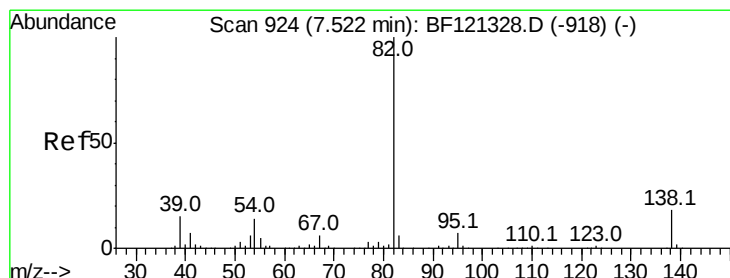
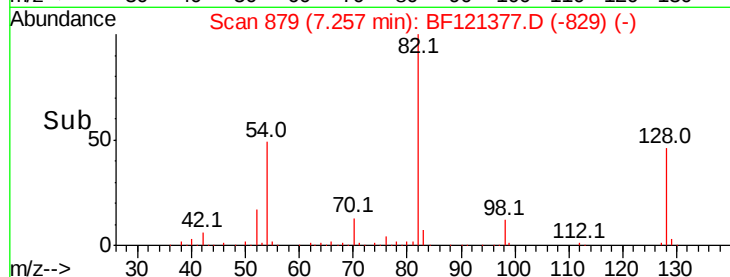
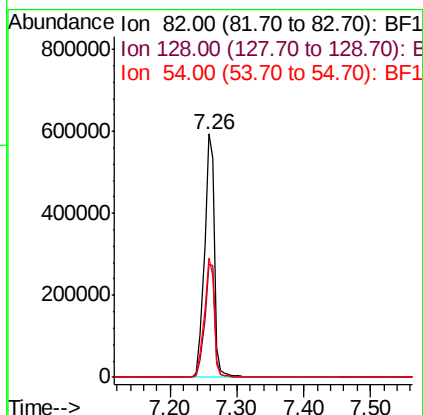
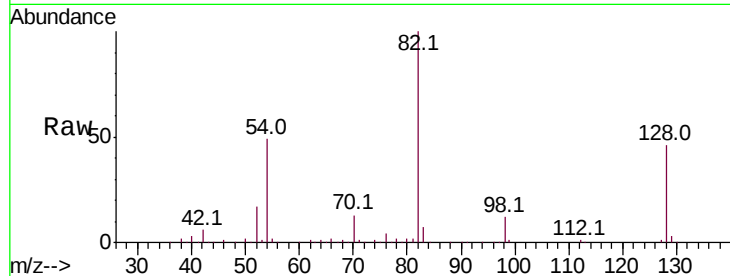




#23
 Nitrobenzene-d5
 Concen: 57.117 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

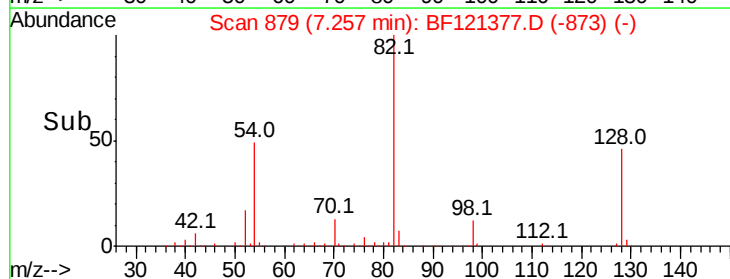
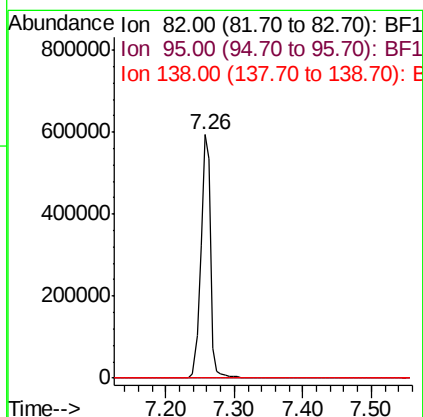
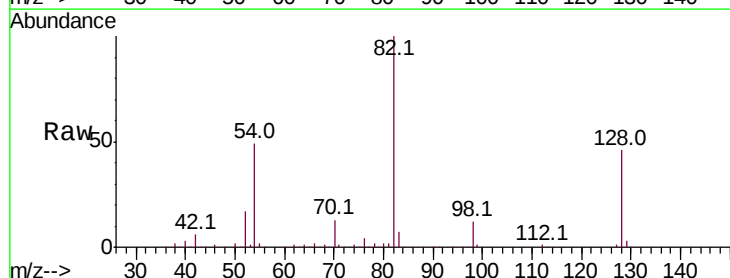
Instrument :
 BNA_F
 ClientSampleId :

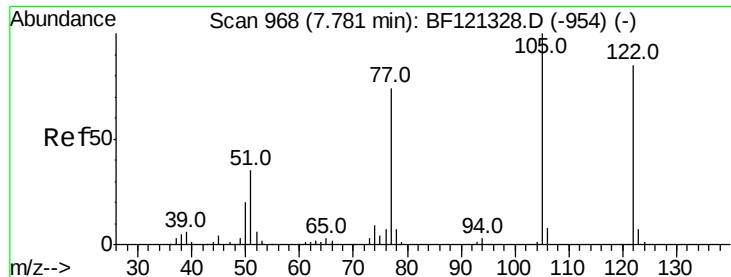
Tot Ion	82	Resp	603842
Ion Ratio	Lower	Upper	
82	100		
128	46.3	37.9	56.9
54	48.9	39.0	58.4



#25
 Isophorone
 Concen: 31.385 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.26 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Tgt Ion	82	Resp	603838
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	14.6	21.8#





#32

Benzoic acid

Concen: 7.154 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA_F

ClientSampled :

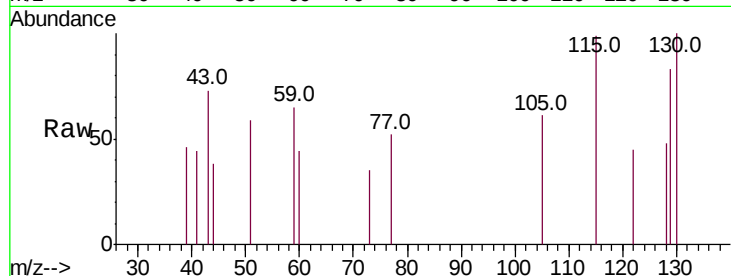
Tot Ion:122 Resp: 641

Ion Ratio Lower Upper

122 100

105 135.5 96.7 136.7

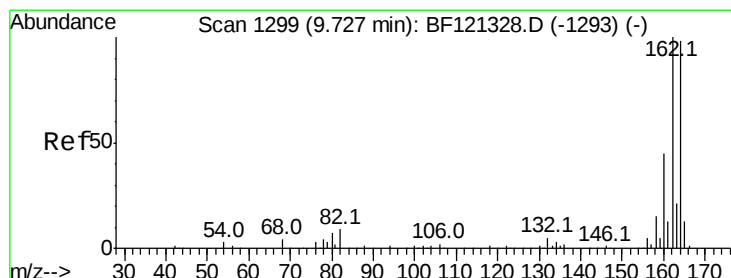
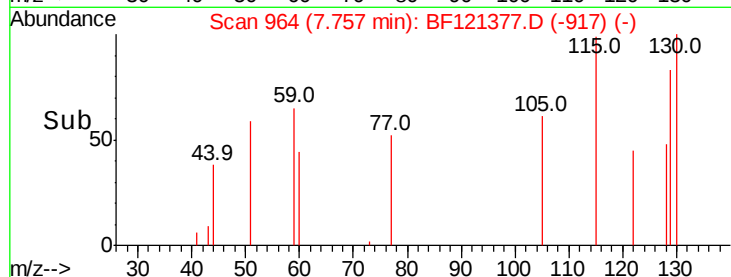
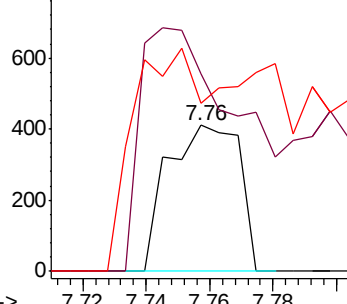
77 115.3 66.7 106.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

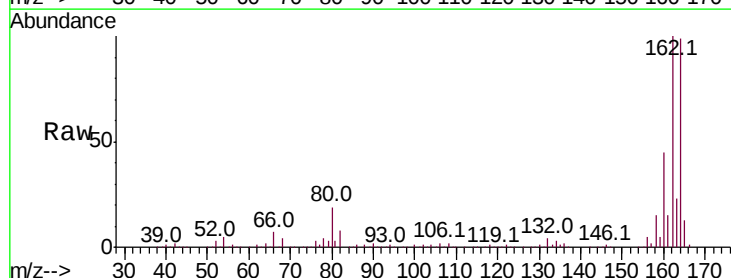
Tgt Ion:164 Resp: 309341

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

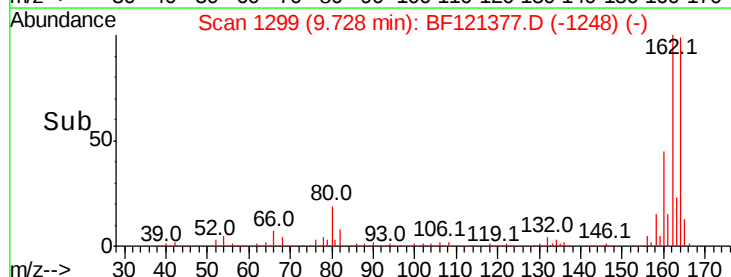
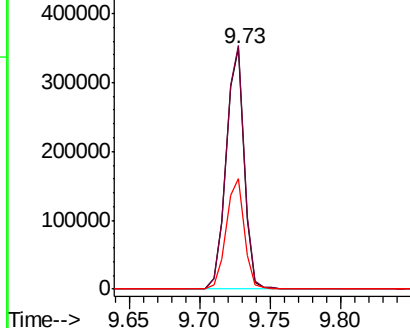
160 45.9 37.0 55.4

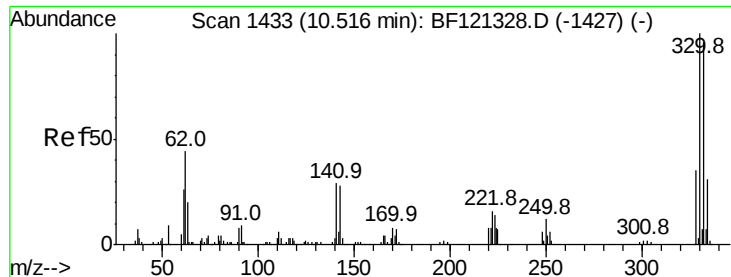


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

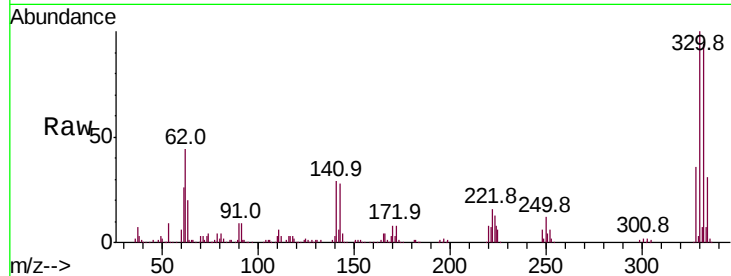




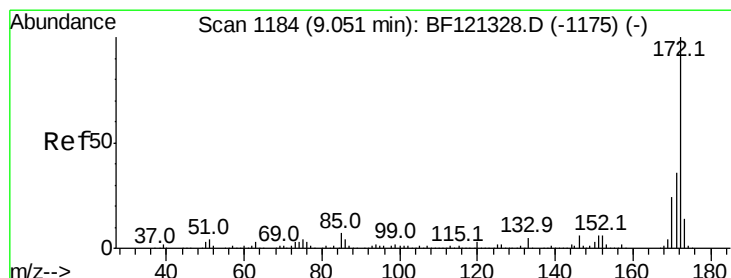
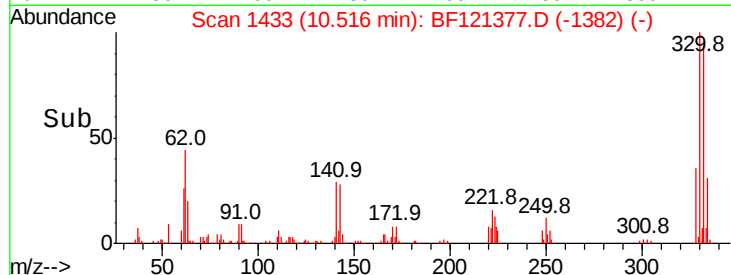
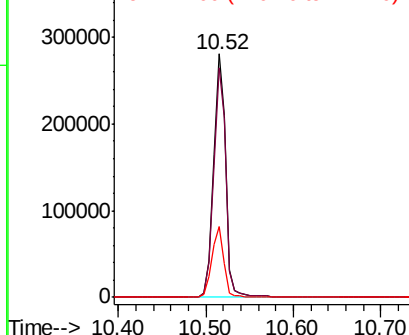
#42
 2,4,6-Tribromophenol
 Concen: 74.896 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.9	115.3
141	29.5	22.8	34.2

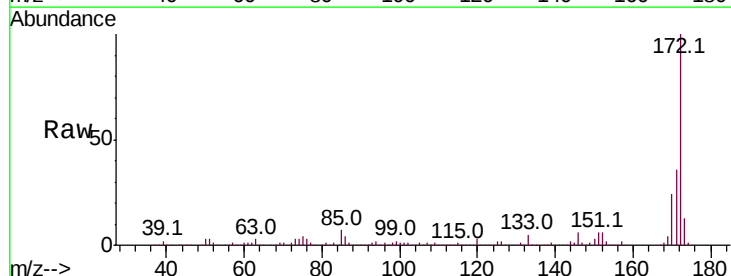


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

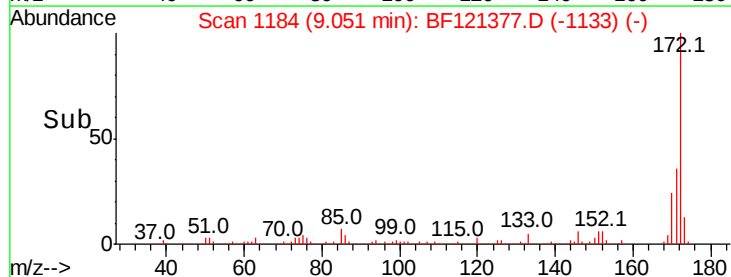
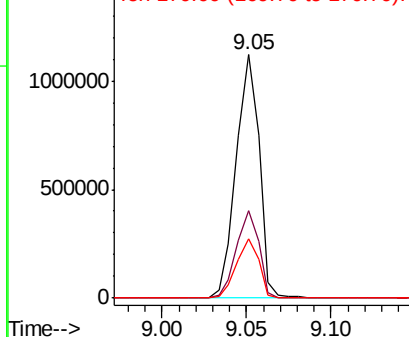


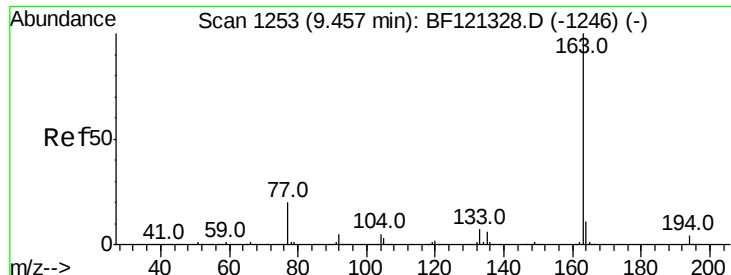
#45
 2-Fluorobiphenyl
 Concen: 62.717 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.5	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: 7.618 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA_F

ClientSampled :

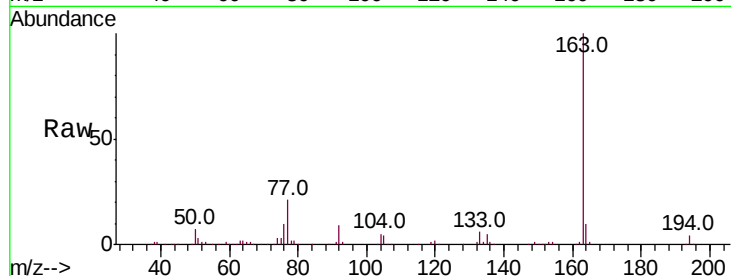
Tot Ion:163 Resp: 171439

Ion Ratio Lower Upper

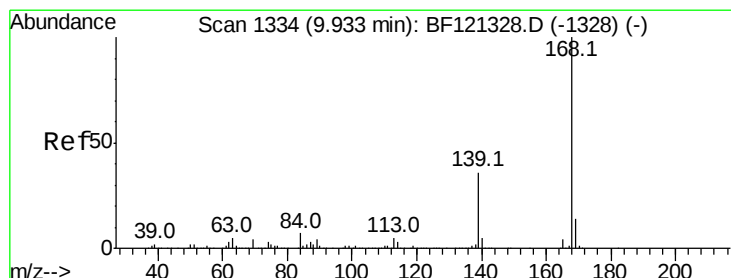
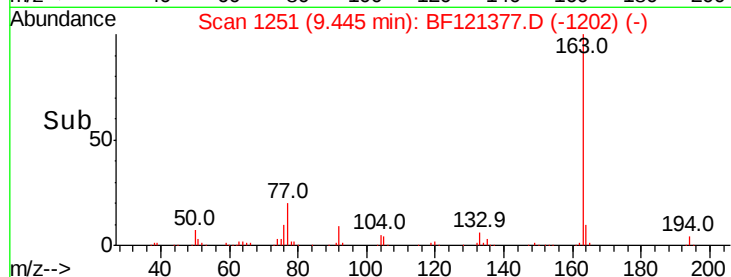
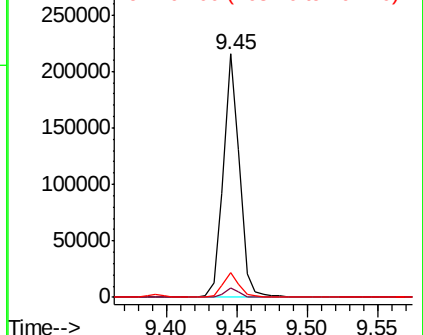
163 100

194 3.7 3.0 4.6

164 10.1 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



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

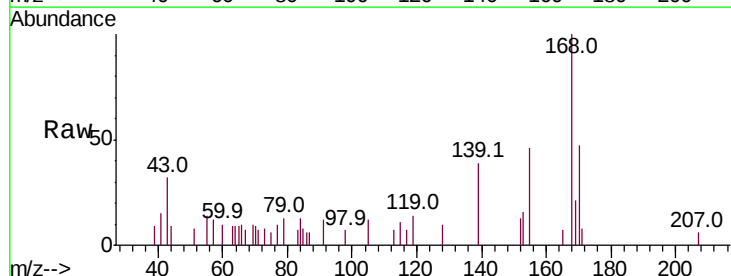
Tgt Ion:168 Resp: 4726

Ion Ratio Lower Upper

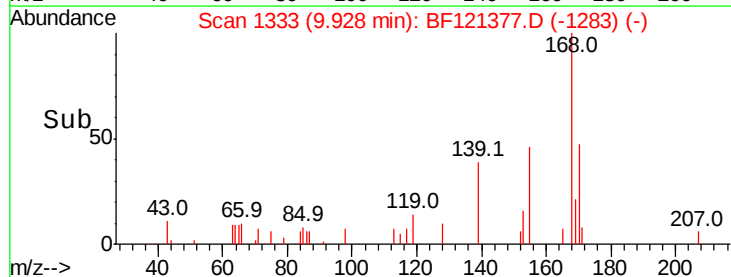
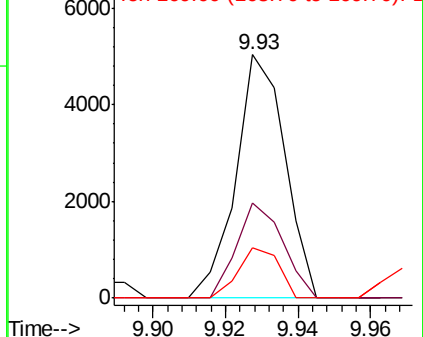
168 100

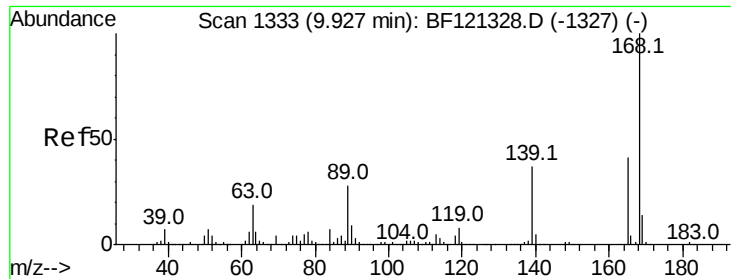
139 39.1 29.1 43.7

169 20.7 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

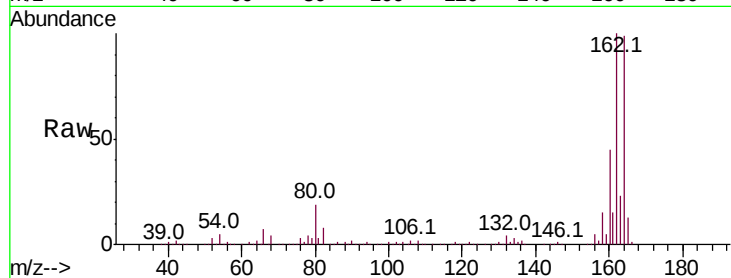




#57
 2,4-Dinitrotoluene
 Concen: 6.944 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	37.5	56.3#
89	1.7	54.2	81.4#
182	0.0	2.2	3.4#

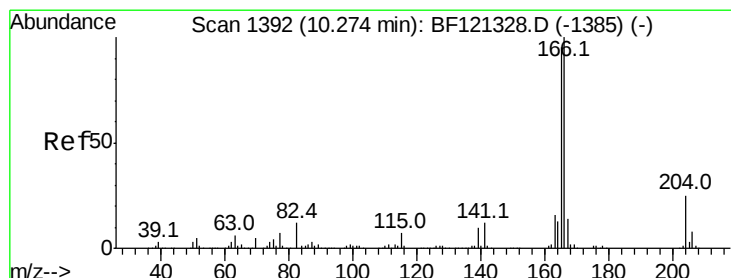
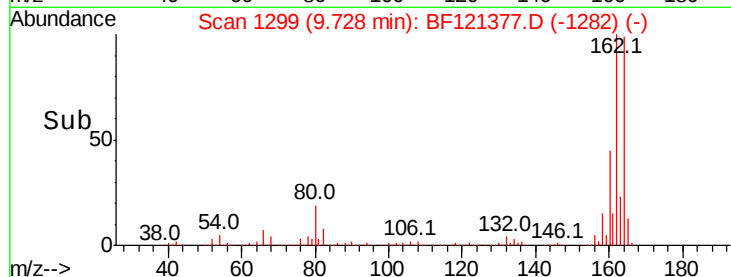
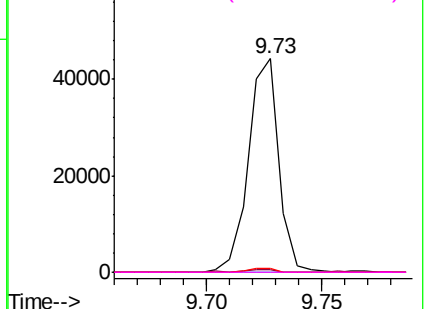


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

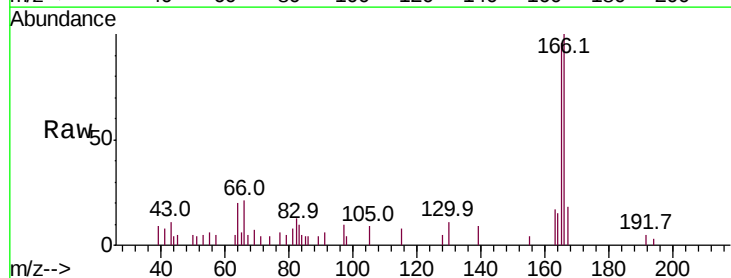
Ion 89.00 (88.70 to 89.70): BF1

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: BF121377.D
 Acq: 21 Aug 2020 20:19

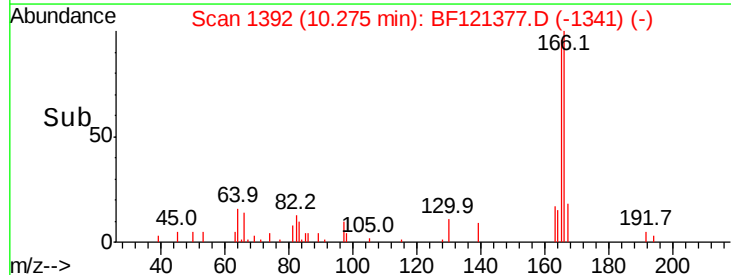
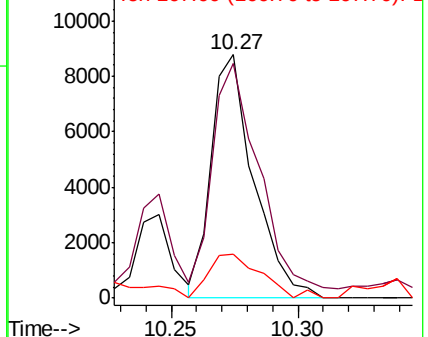
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	75.8	113.8
167	18.0	11.0	16.4#

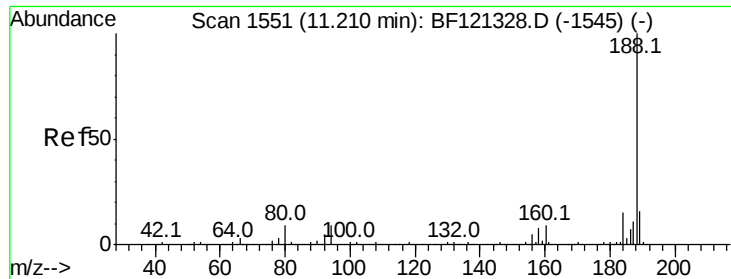


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

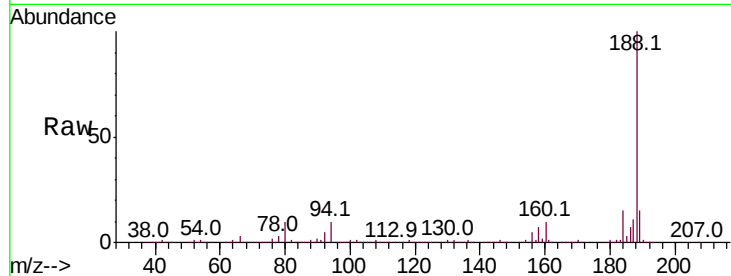




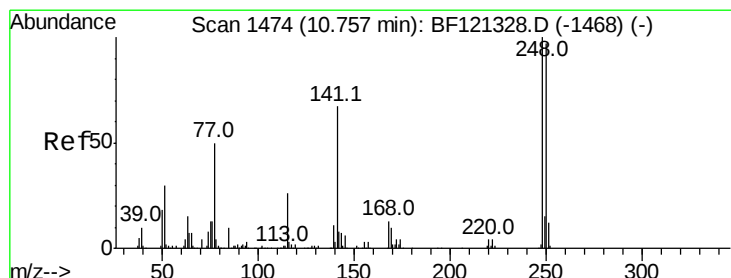
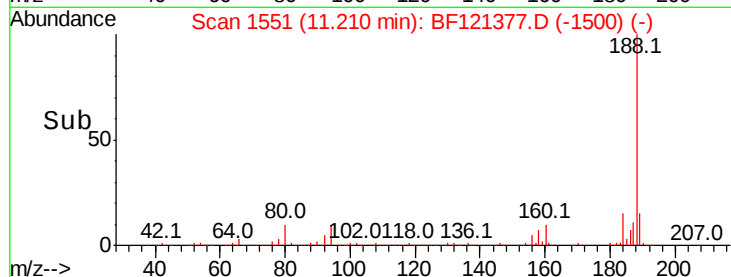
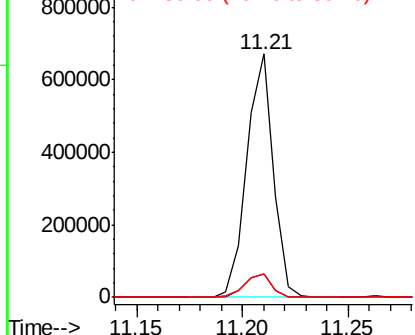
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 582280
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 9.6 7.4 11.0

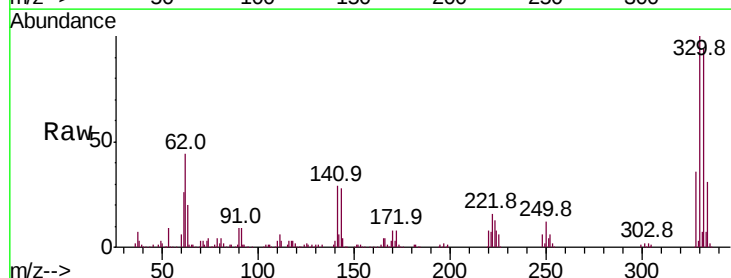


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

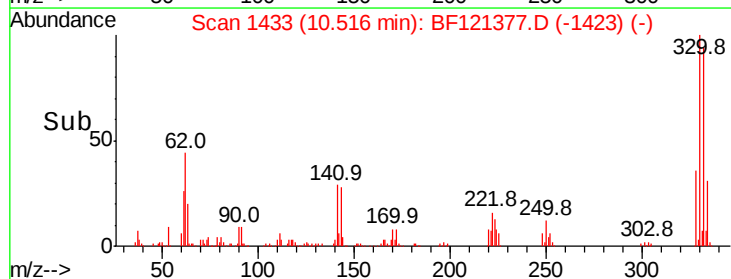
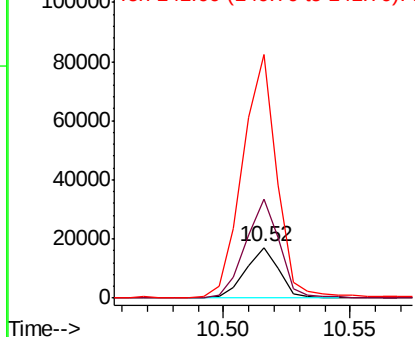


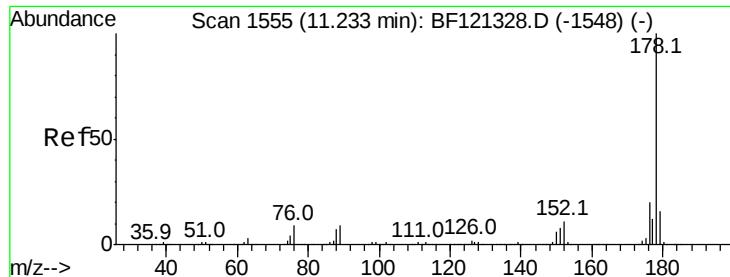
#67
4-Bromophenyl-phenylether
Concen: 2.397 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.24 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Tgt Ion:248 Resp: 15482
Ion Ratio Lower Upper
248 100
250 195.9 77.9 116.9#
141 482.6 53.5 80.3#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

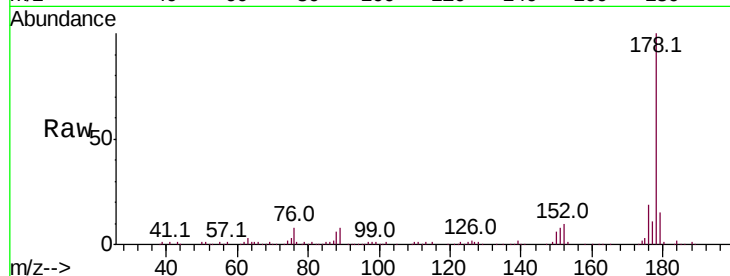




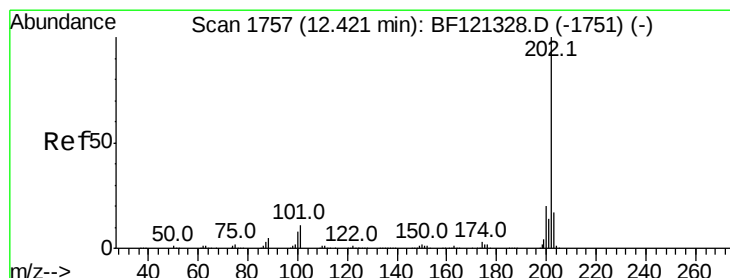
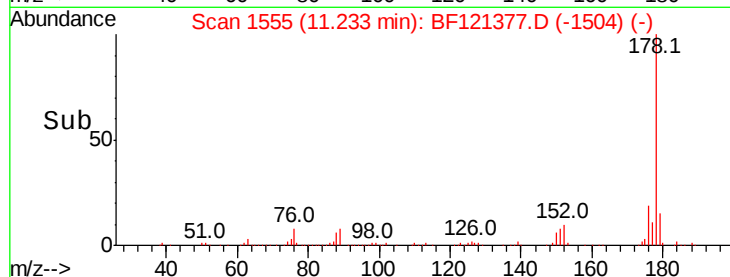
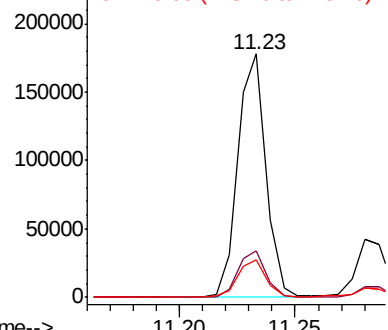
#71
Phenanthrene
Concen: 5.022 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 151340
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.3 12.8 19.2

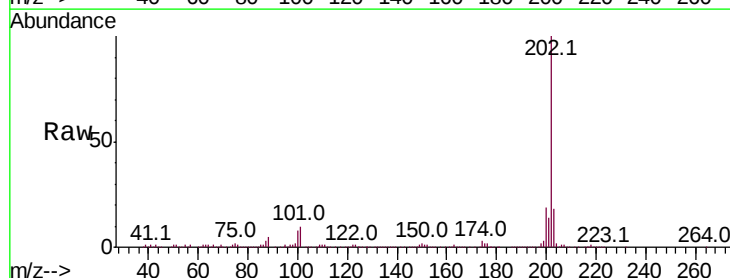


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

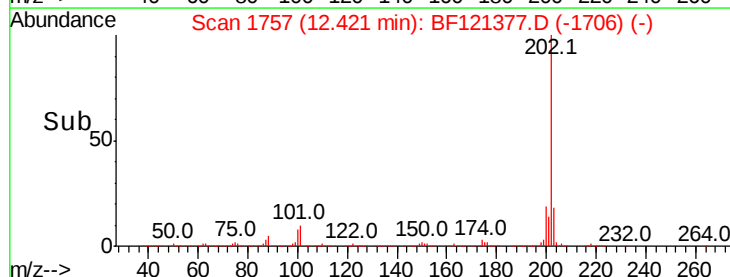
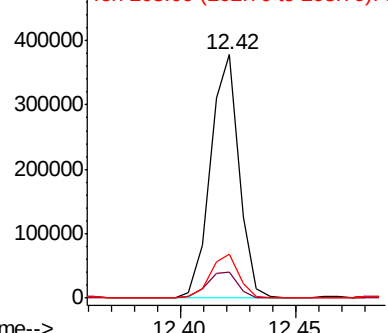


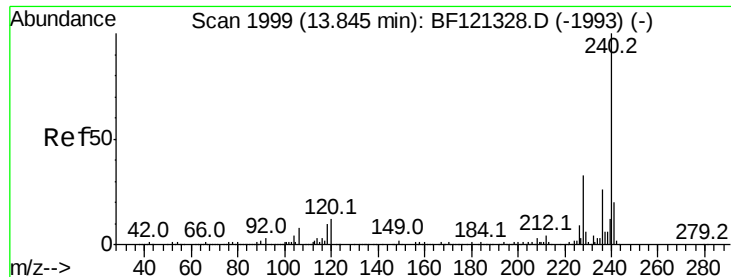
#75
Fluoranthene
Concen: 9.956 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Tgt Ion:202 Resp: 325663
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.6
203 18.1 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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA_F

ClientSampleId :

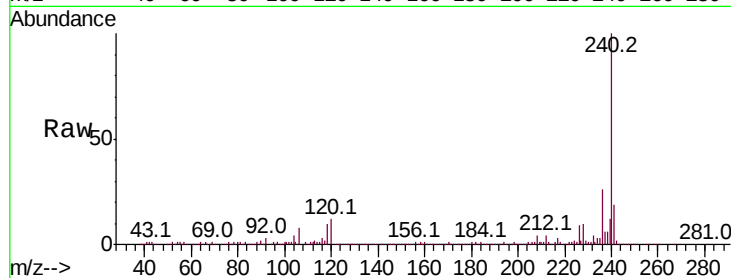
Tot Ion:240 Resp: 399891

Ion Ratio Lower Upper

240 100

120 12.1 9.6 14.4

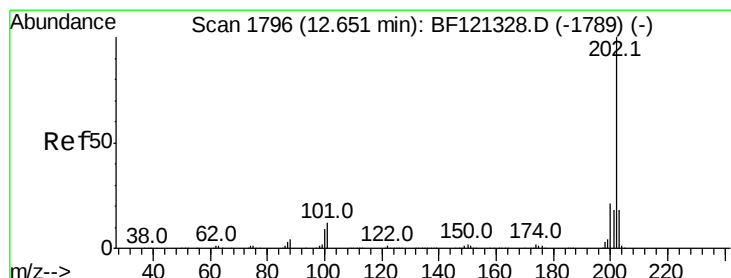
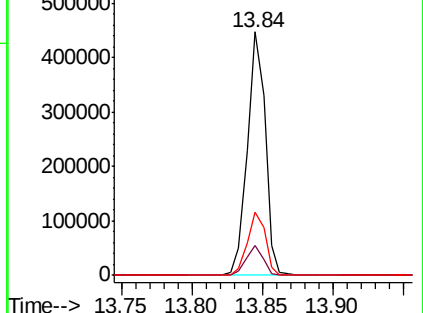
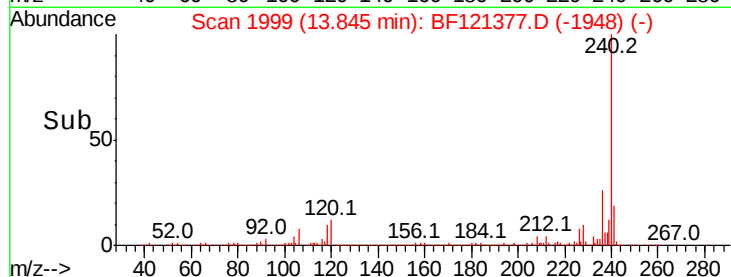
236 26.1 20.6 31.0



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: 12.590 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

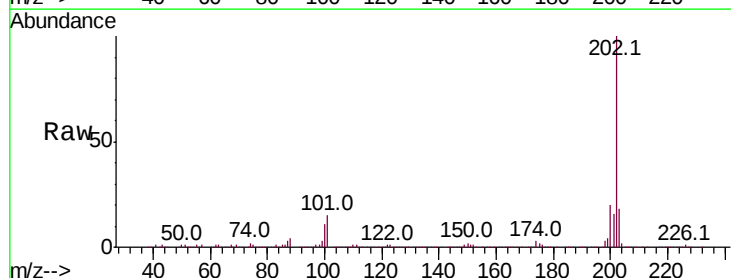
Tgt Ion:202 Resp: 378182

Ion Ratio Lower Upper

202 100

200 20.3 16.6 24.8

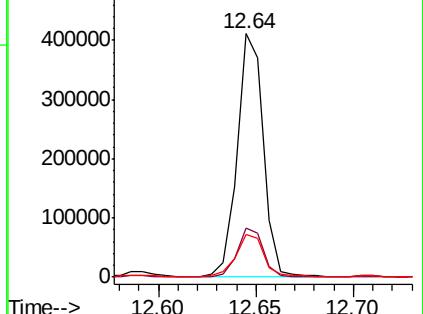
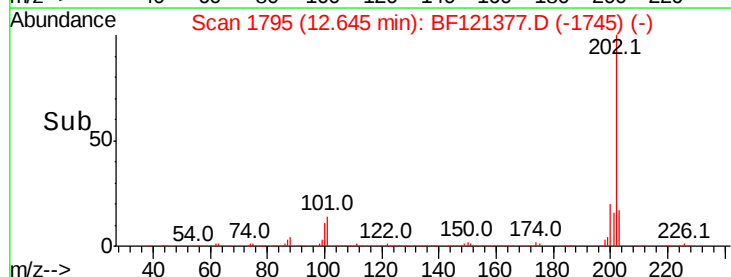
203 17.7 14.2 21.2

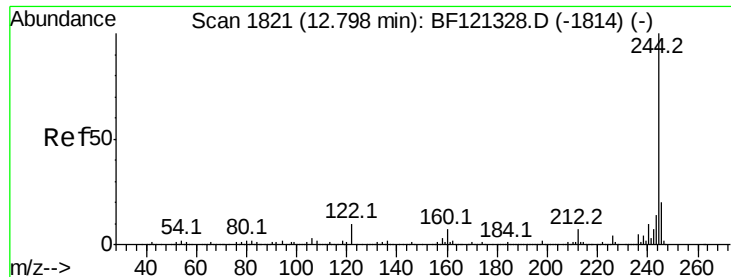


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



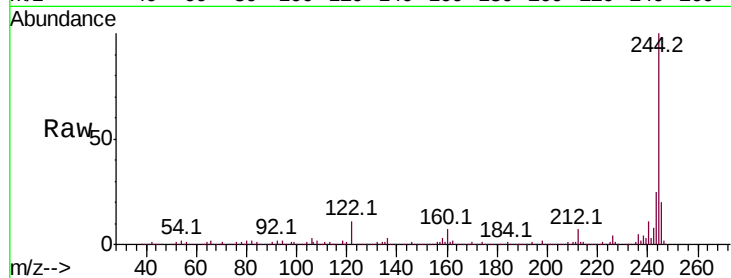


#79
 Terphenyl-d14
 Concen: 50.903 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

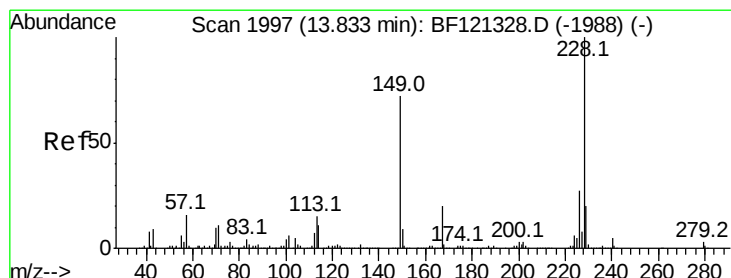
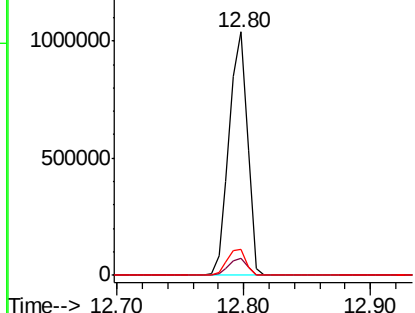
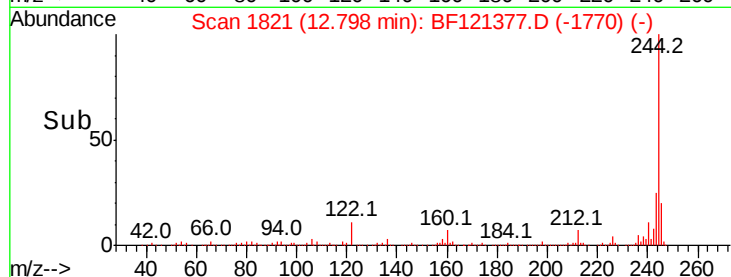
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1041668

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.6	7.8	11.8



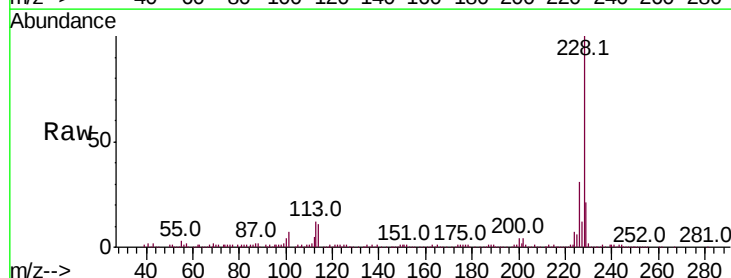
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



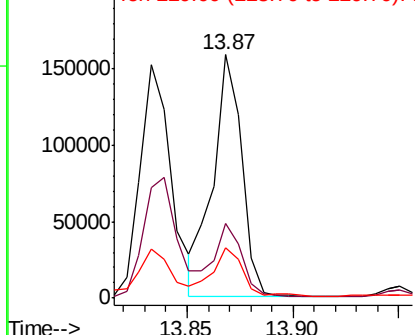
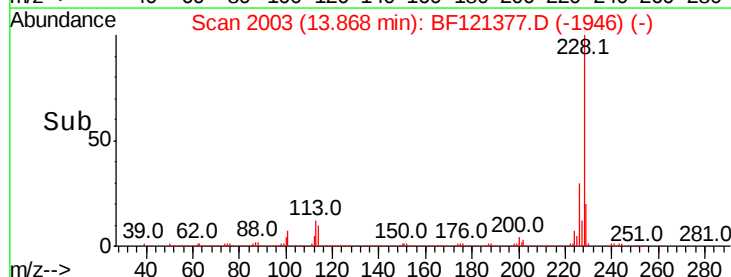
#81
 Benzo(a)anthracene
 Concen: 6.110 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.04 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

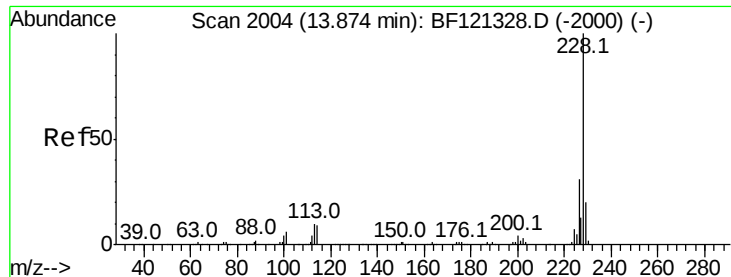
Tgt Ion:228 Resp: 151754

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.8	32.6
229	20.8	15.8	23.8



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

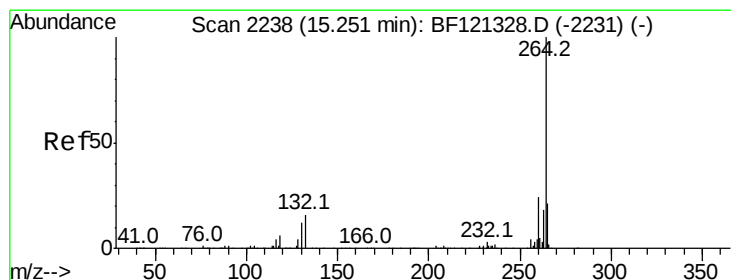
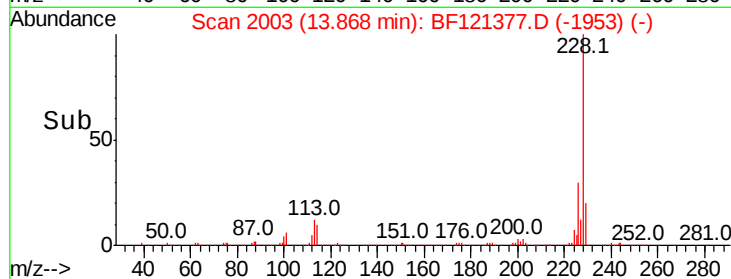
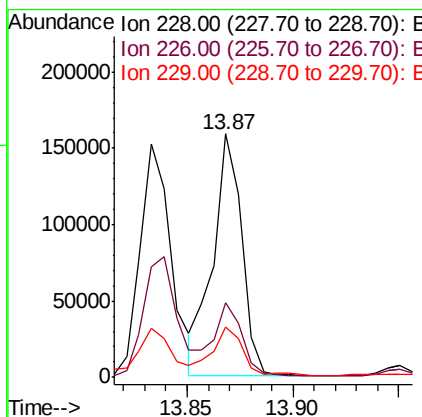
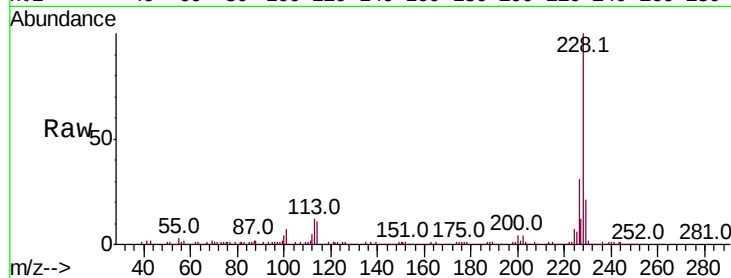




#83
Chrysene
Concen: 5.974 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

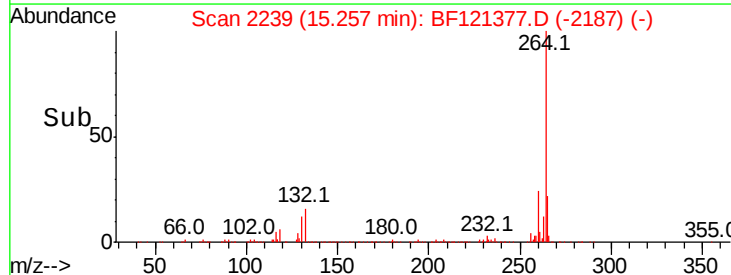
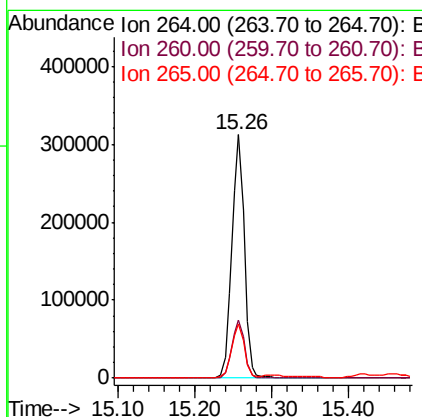
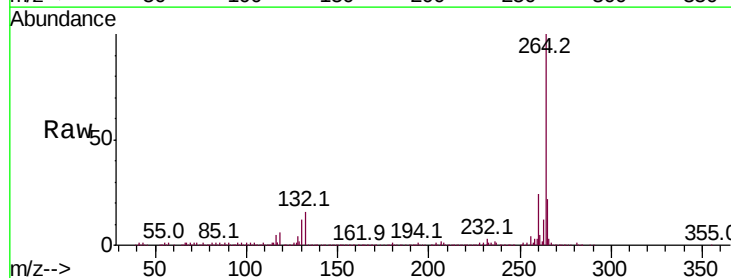
Instrument :
BNA_F
ClientSampleId :

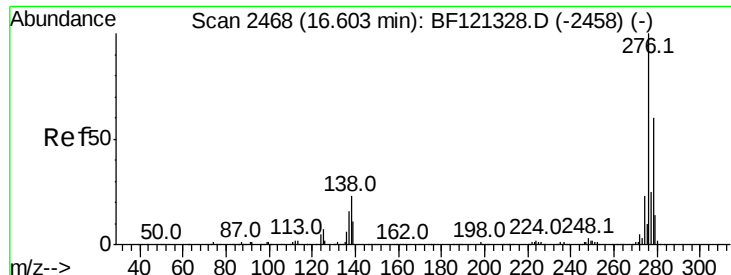
Tot Ion:228 Resp: 151754
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 20.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Tgt Ion:264 Resp: 359506
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.0 17.1 25.7

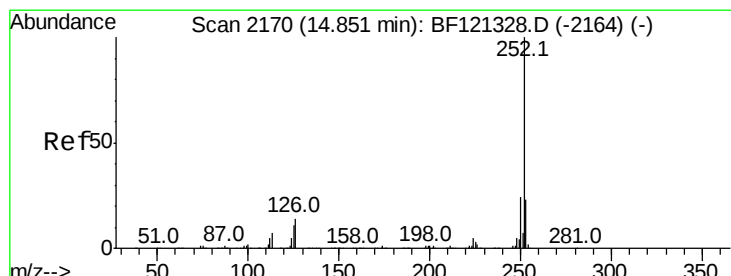
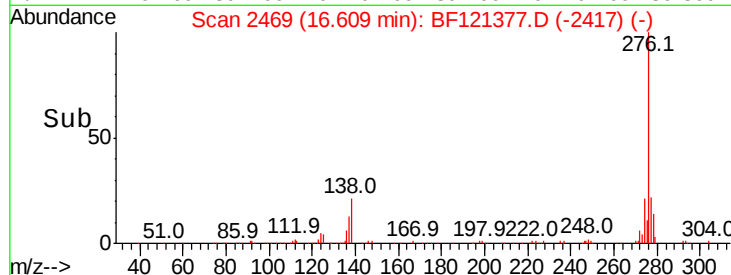
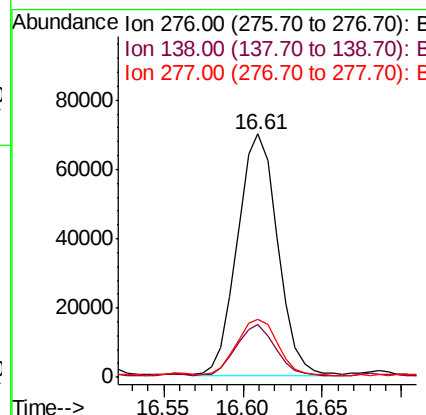
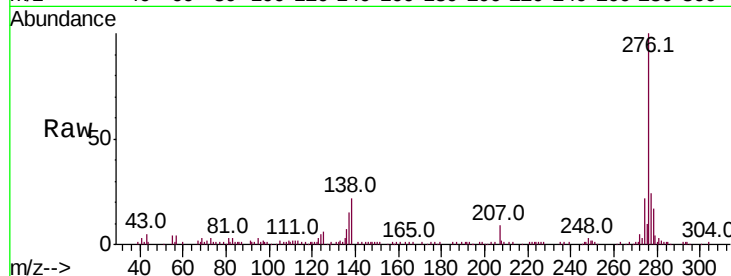




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.579 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

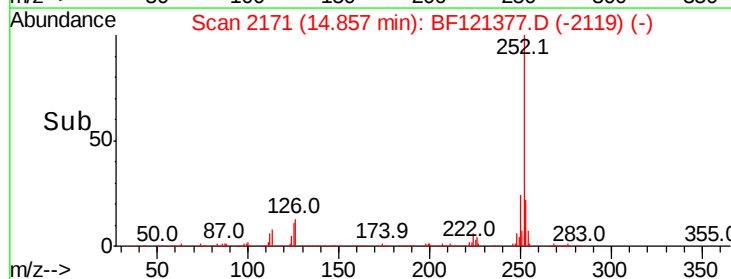
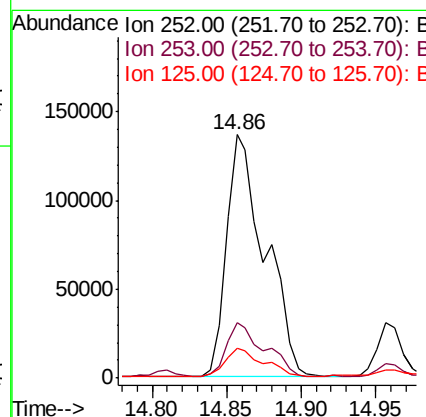
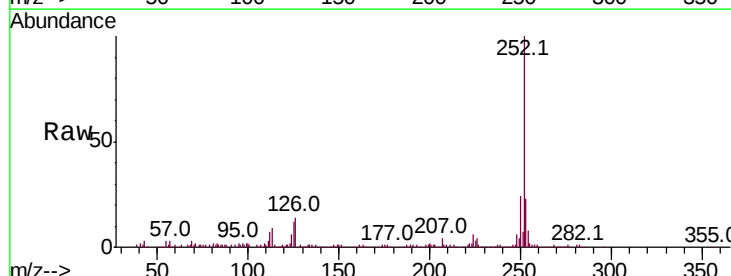
Instrument :
 BNA_F
 ClientSampleId :

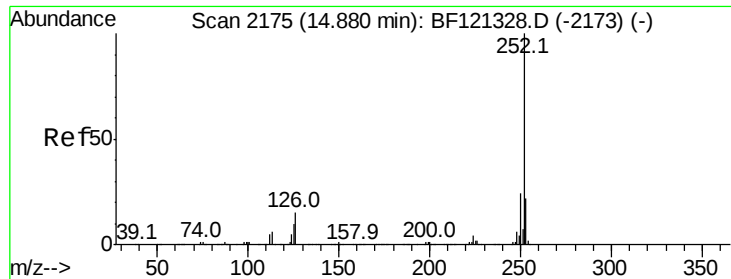
Tot Ion:	276	Resp:	122427
Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.4	29.0
277	24.2	19.9	29.9



#88
 Benzo(b)fluoranthene
 Concen: 10.593 ng
 RT: 14.86 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Tgt Ion:	252	Resp:	246028
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.1	8.6	12.8

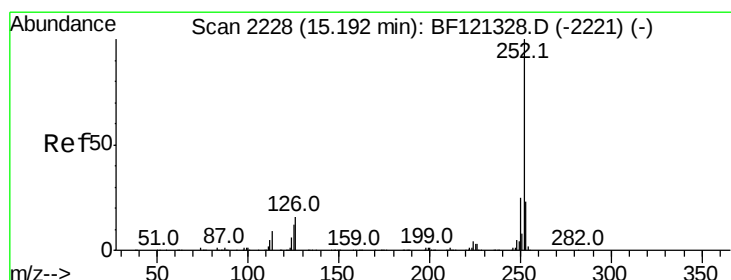
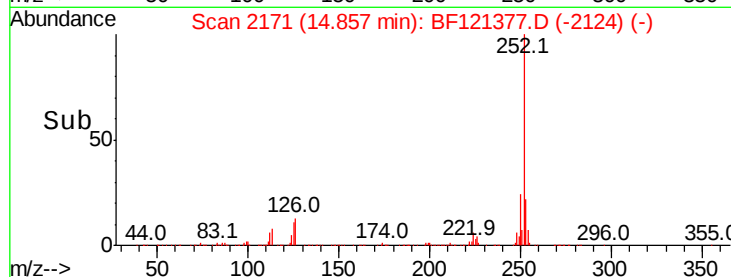
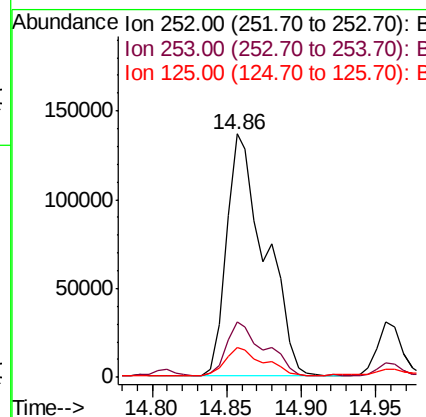
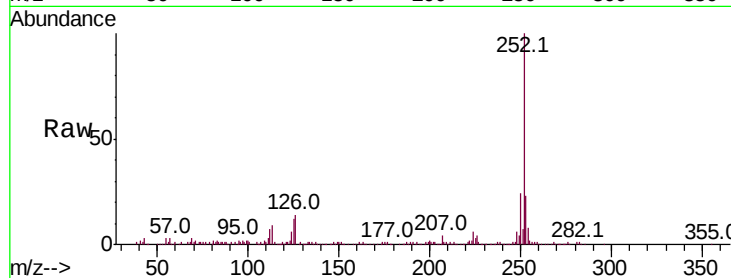




#89
Benzo(k)fluoranthene
Concen: 12.034 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

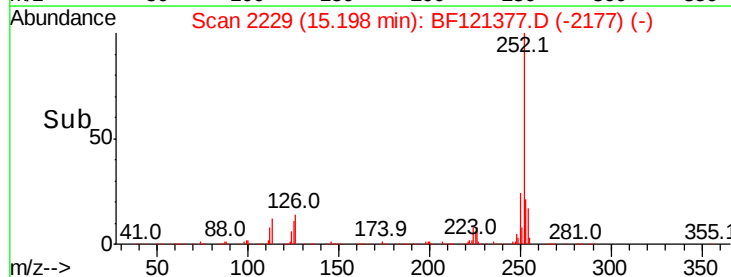
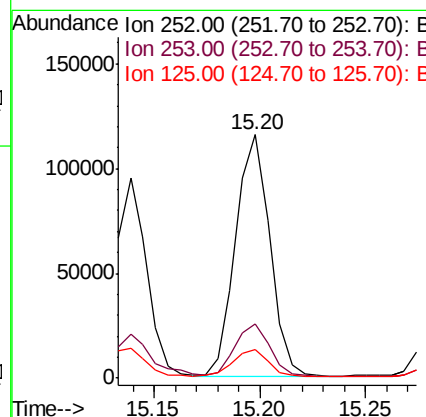
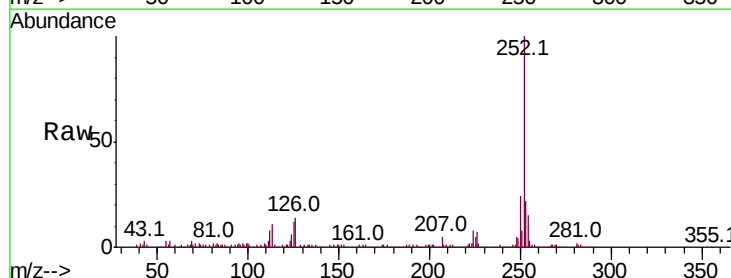
Instrument :
BNA_F
ClientSampleId :

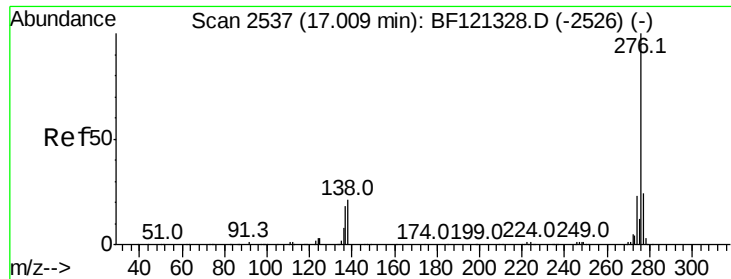
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.1	8.6	12.8



#90
Benzo(a)pyrene
Concen: 6.490 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.6	9.4	14.0





#92

Benzo(a,h,i)perylene

Concen: 8.196 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA_F

ClientSampleId :

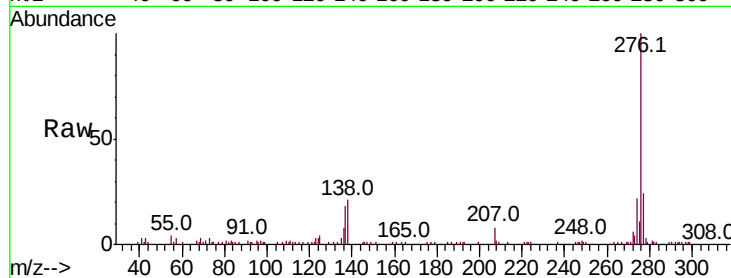
Tot Ion:276 Resp: 144176

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 21.0 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

