

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 :
 COMP-1-(0-1)

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

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

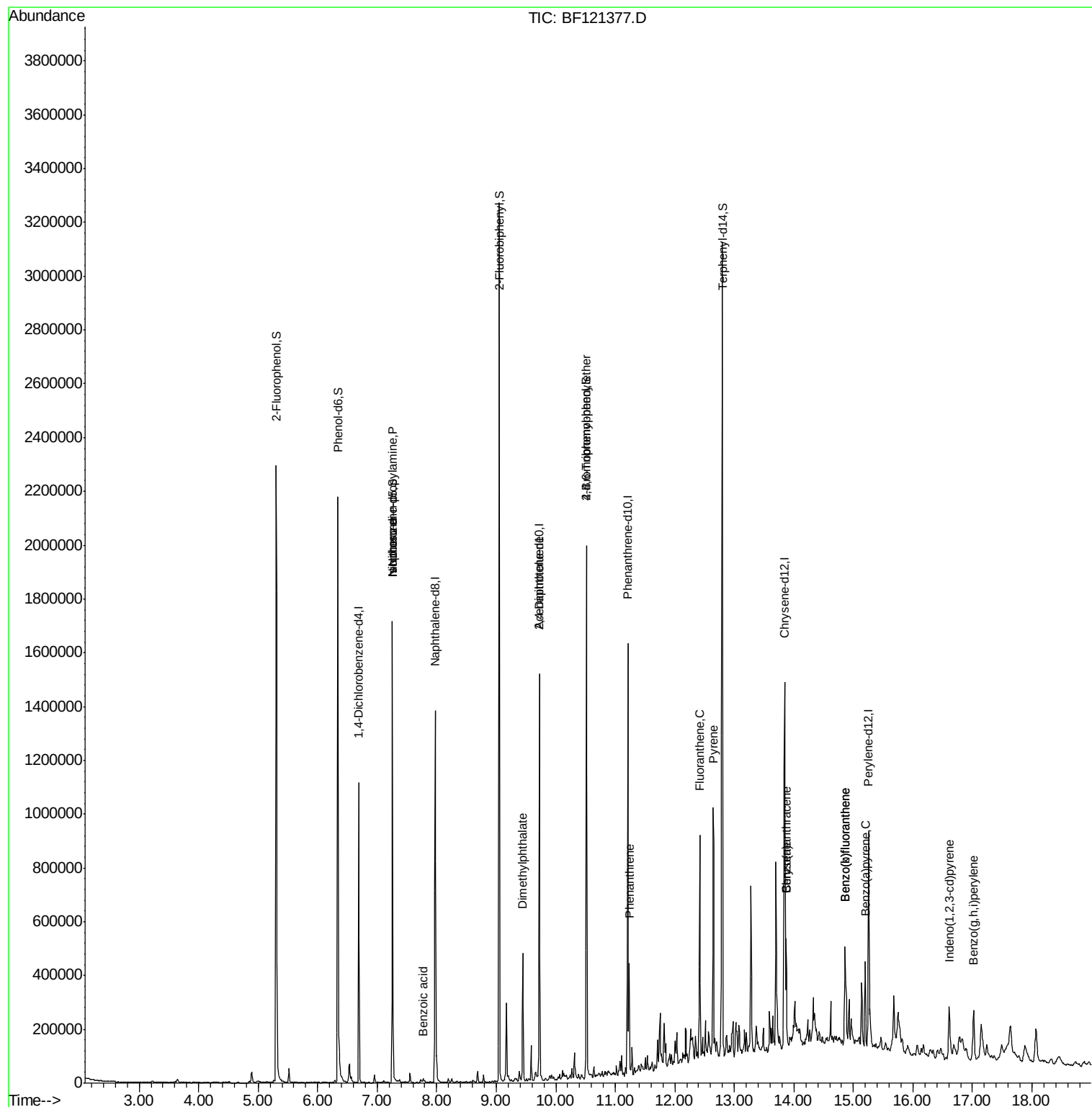
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	79293	12.195	ng	# 78
20) 3+4-Methylphenols	7.15	107	261	Below	Cal	# 80
25) Isophorone	7.26	82	603838	31.385	ng	# 65
32) Benzoic acid	7.76	122	641	7.154	ng	# 77
50) Dimethylphthalate	9.45	163	171439	7.618	ng	99
55) Dibenzofuran	9.93	168	4726	Below	Cal	# 92
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

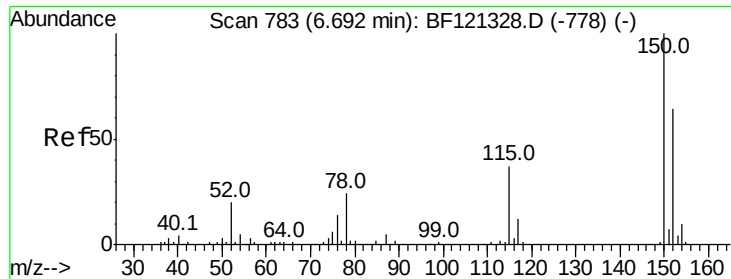
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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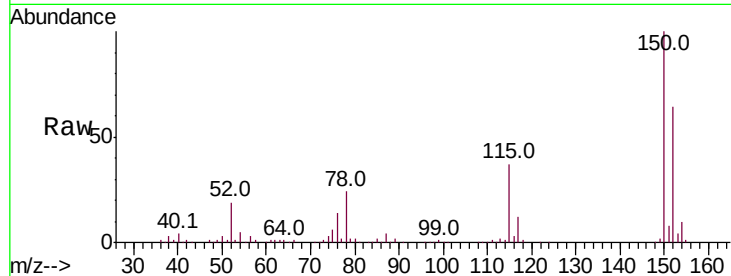


#1

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 :
 COMP-1-(0-1)

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

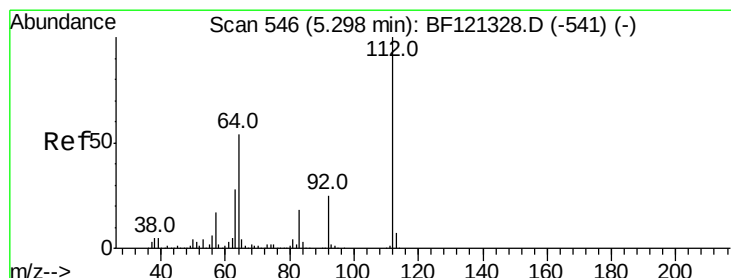
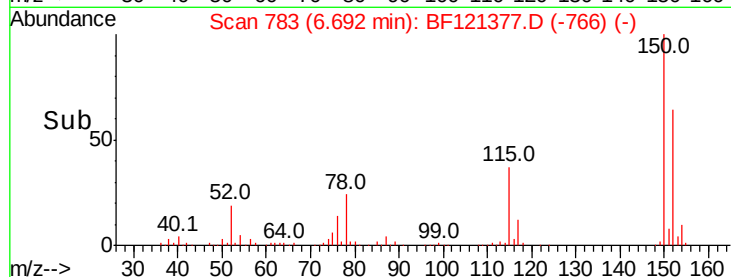
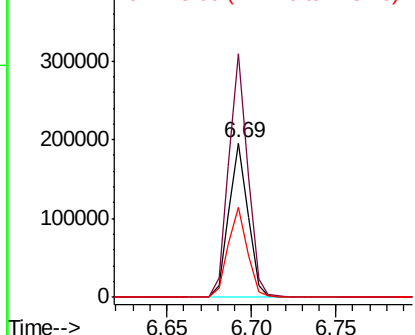


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

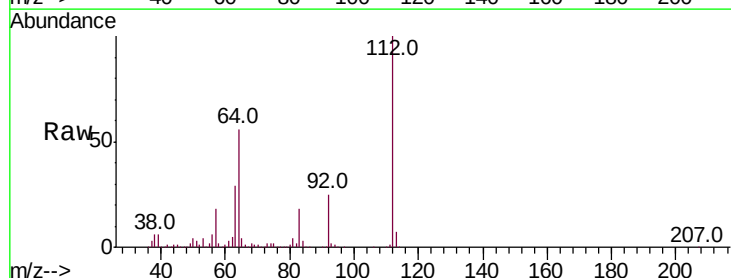
Ion 115.00 (114.70 to 115.70): E



#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

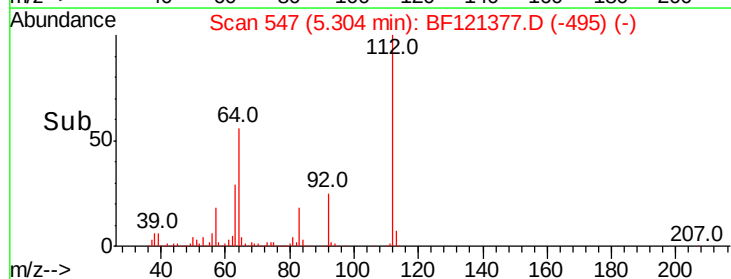
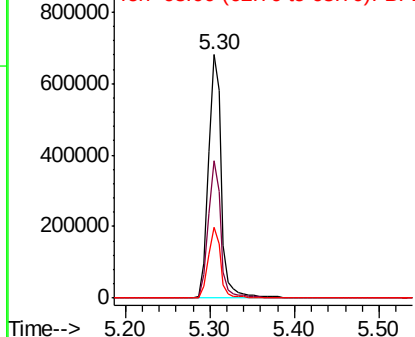


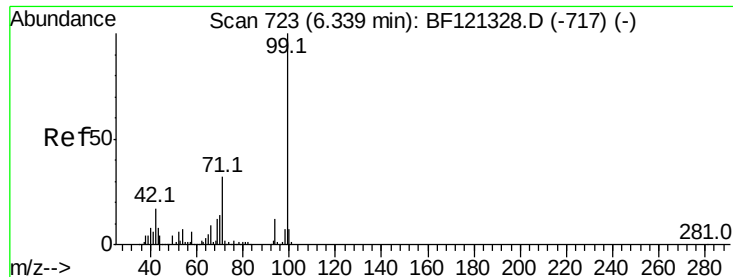
Abundance

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

ClientSampleId :

COMP-1-(0-1)

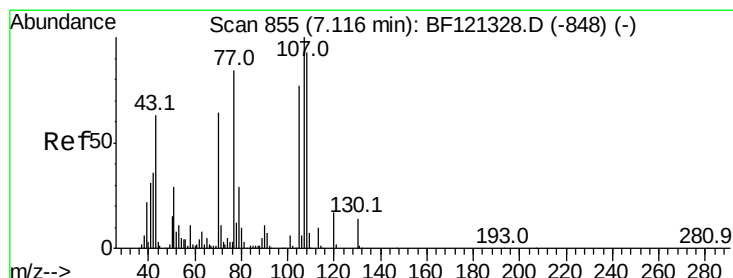
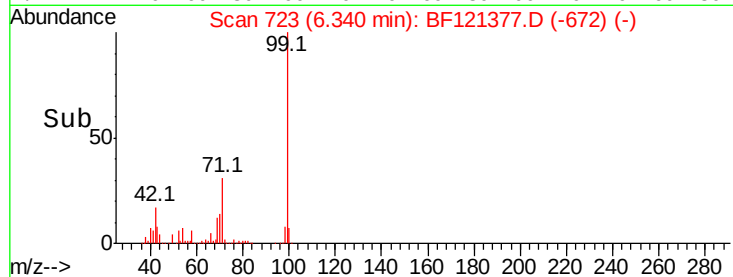
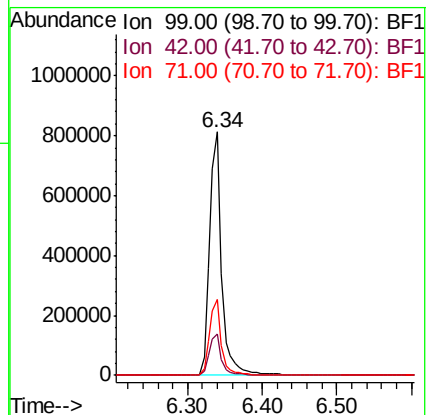
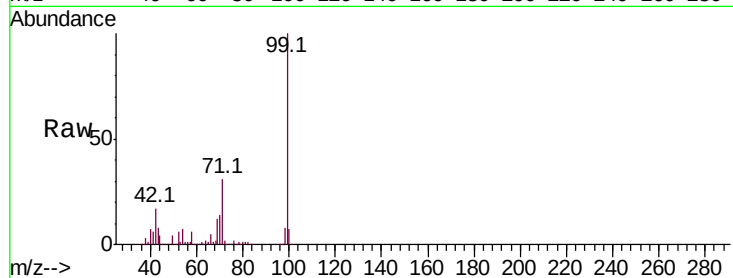
Tot Ion: 99 Resp: 919209

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

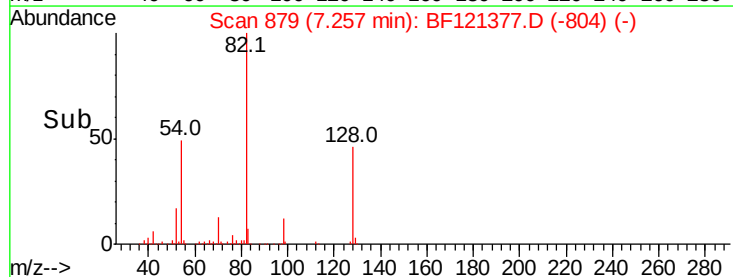
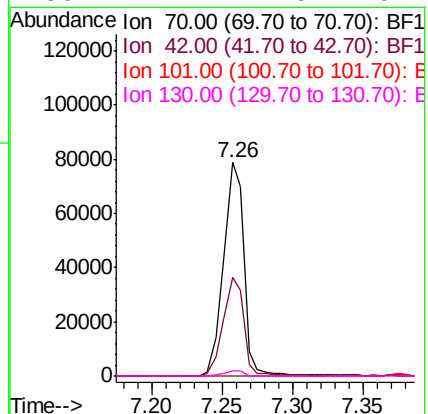
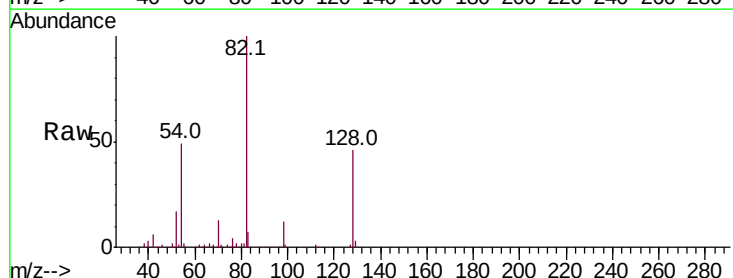
Ion Ratio Lower Upper

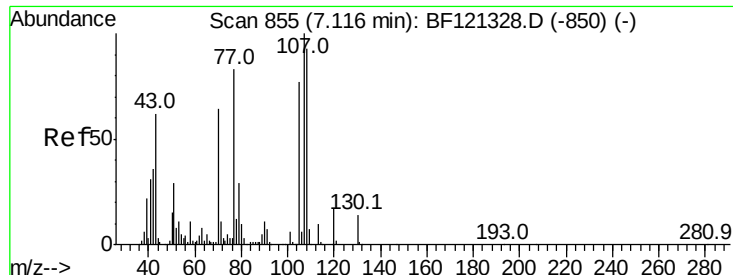
70 100

42 46.3 45.2 67.8

101 0.0 7.7 11.5#

130 2.2 17.6 26.4#

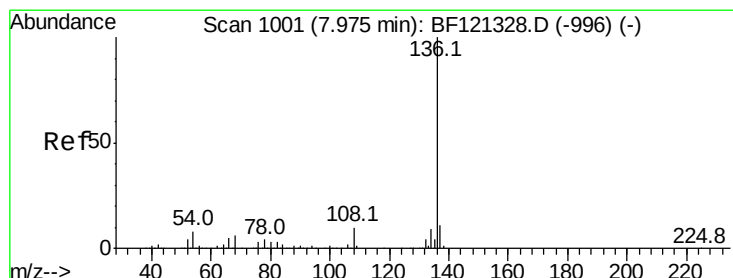
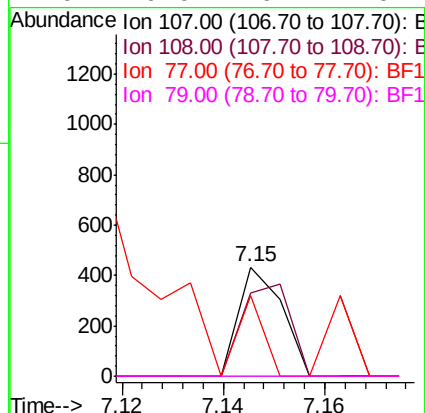
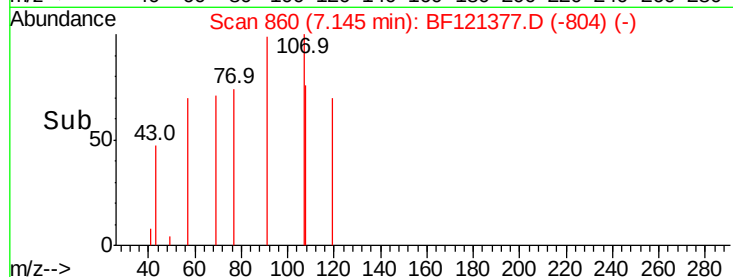
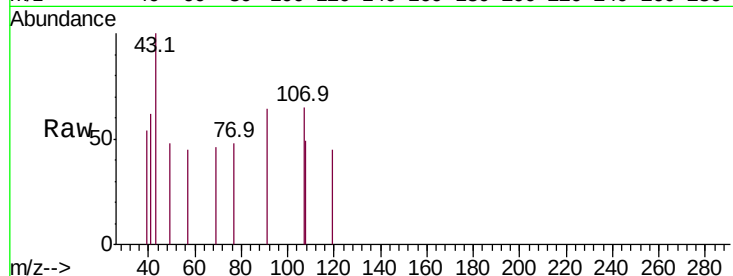




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.15 min Scan# 860
Delta R.T. 0.03 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

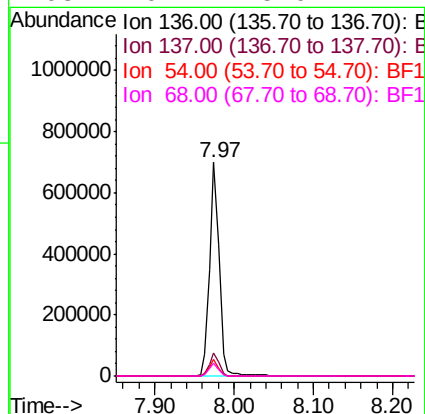
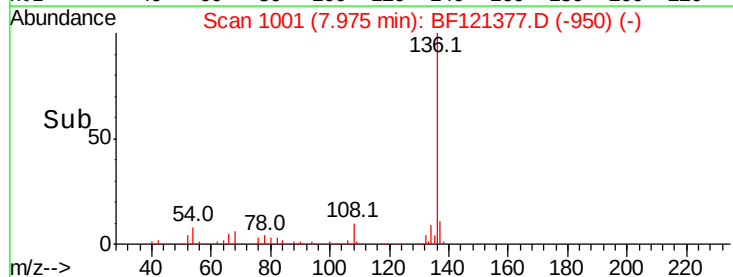
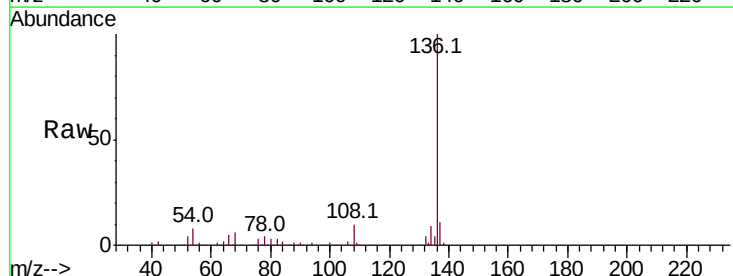
Instrument :
BNA_F
ClientSampleId :
COMP-1-(0-1)

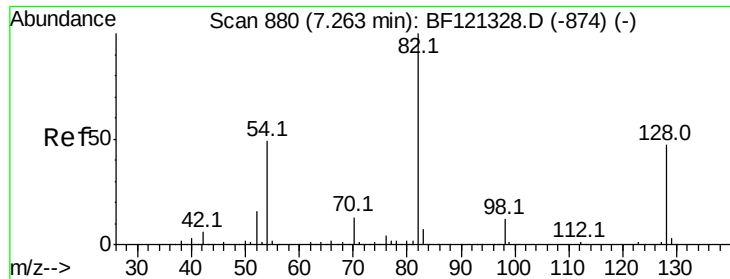
Tot Ion:107 Resp: 261
Ion Ratio Lower Upper
107 100
108 76.0 72.6 112.6
77 73.7 63.8 103.8
79 0.0 9.1 49.1#



#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

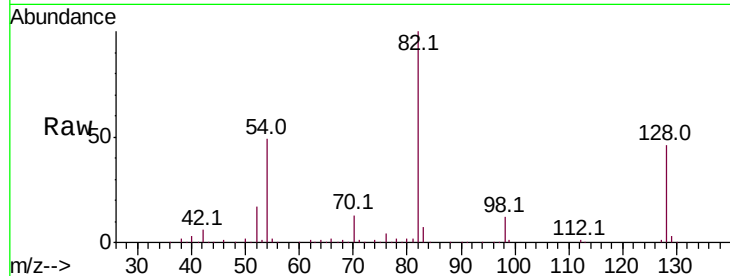




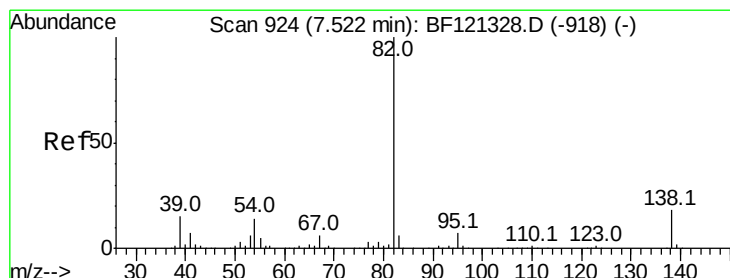
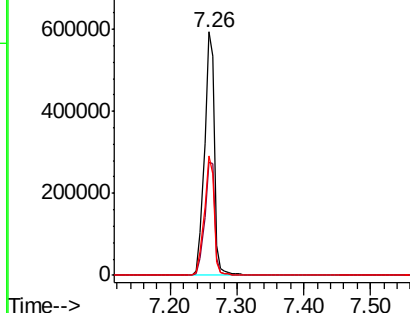
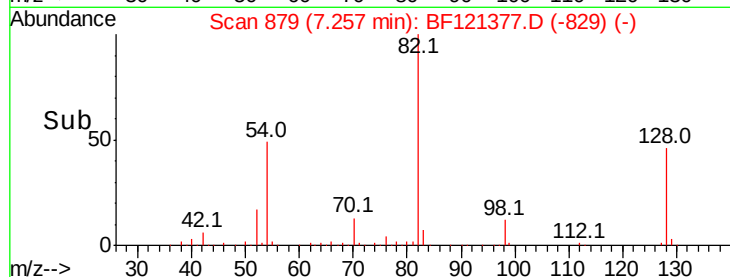
#23
 Nitrobenzene-d5
 Concen: 57.117 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-(0-1)

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

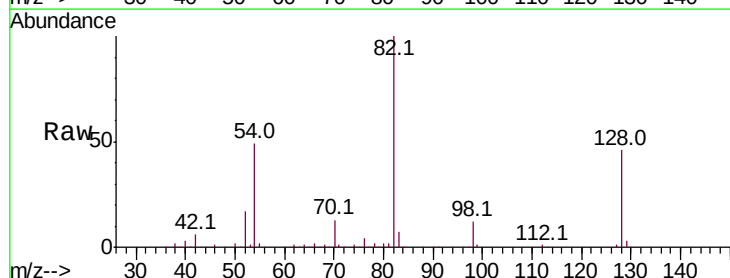


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

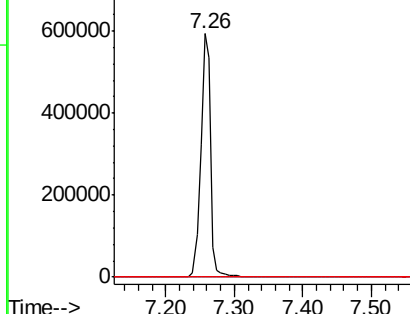
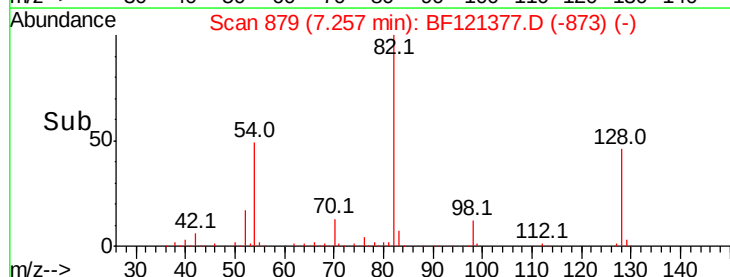


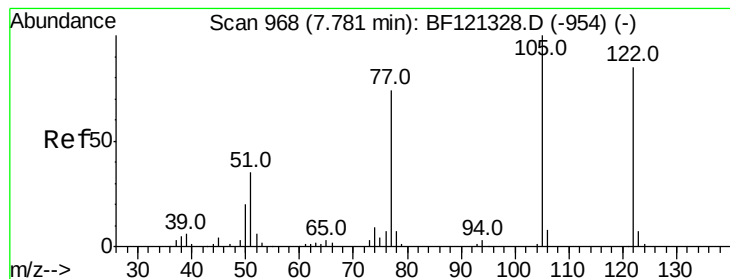
#25
 Isophorone
 Concen: 31.385 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.26 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Tgt Ion	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





#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

ClientSampleId :

COMP-1-(0-1)

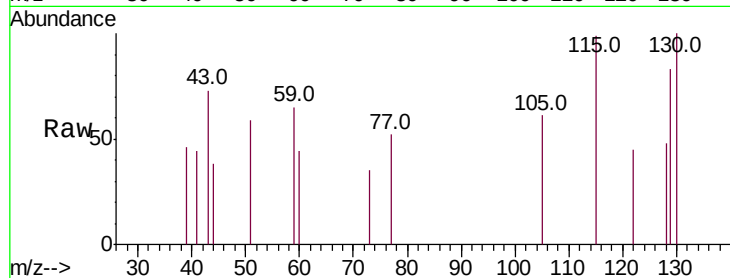
Tot Ion:122 Resp: 641

Ion Ratio Lower Upper

122 100

105 135.5 96.7 136.7

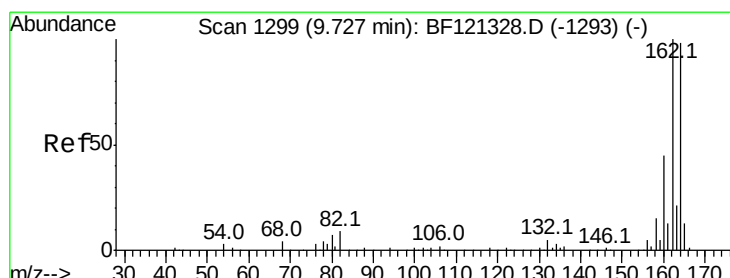
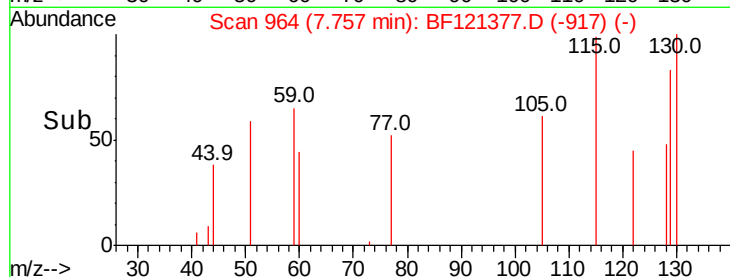
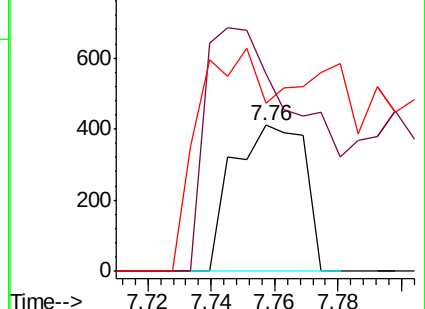
77 115.3 66.7 106.7#



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

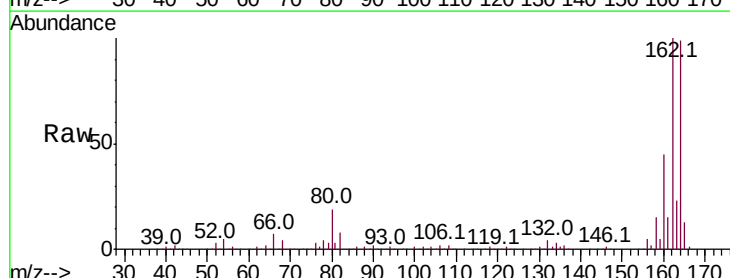
Tgt Ion:164 Resp: 309341

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

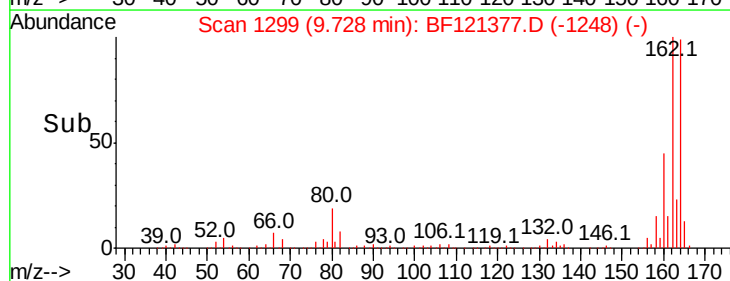
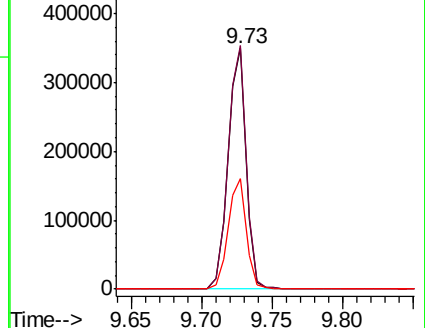
160 45.9 37.0 55.4

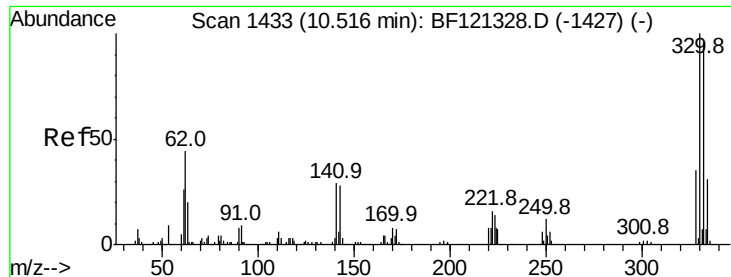


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

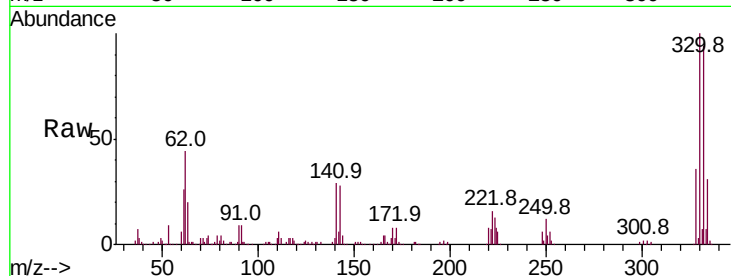




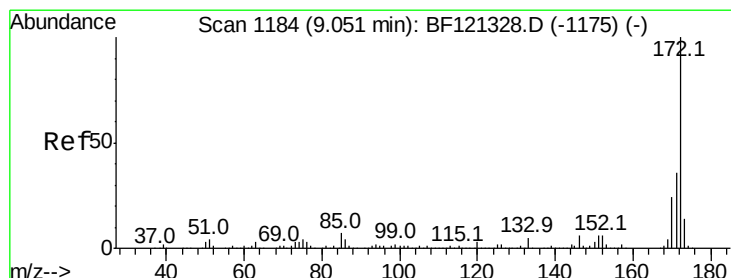
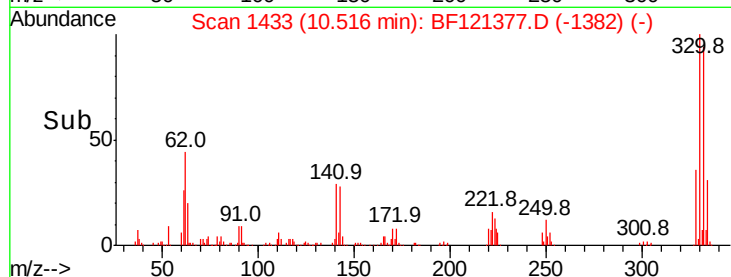
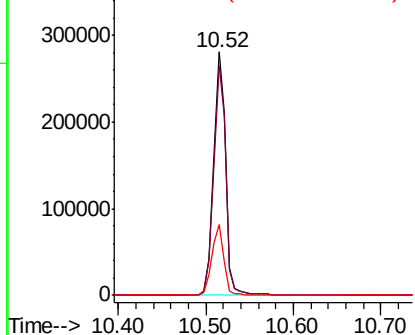
#42
 2,4,6-Tribromophenol
 Concen: 74.896 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-(0-1)

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

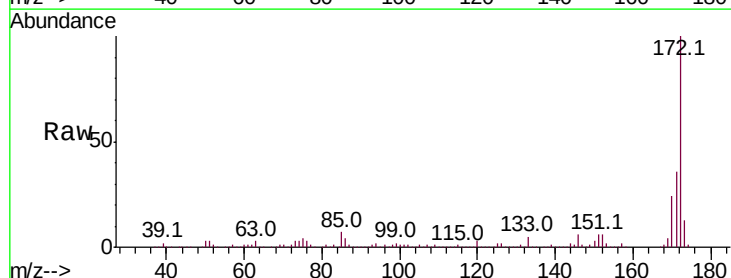


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

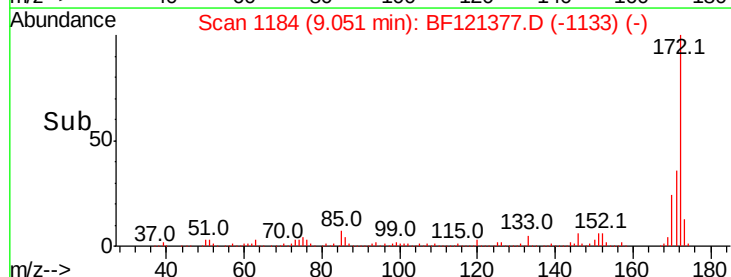
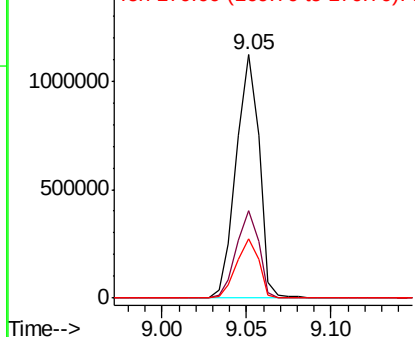


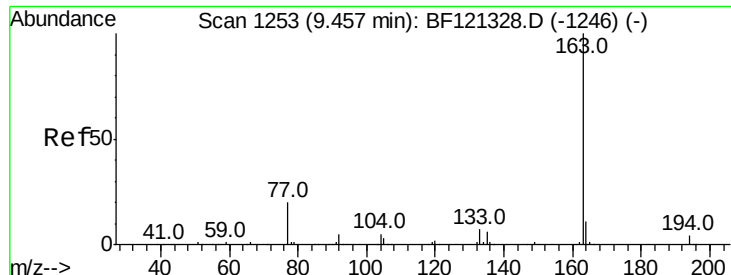
#45
 2-Fluorobiphenyl
 Concen: 62.717 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

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

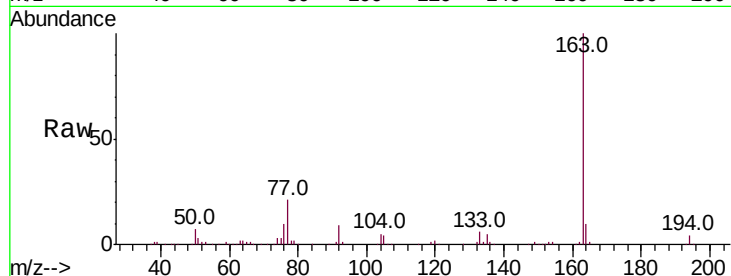




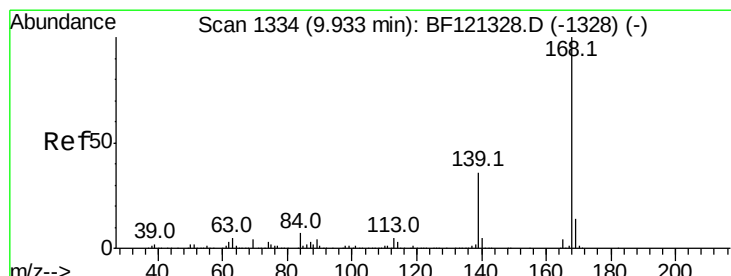
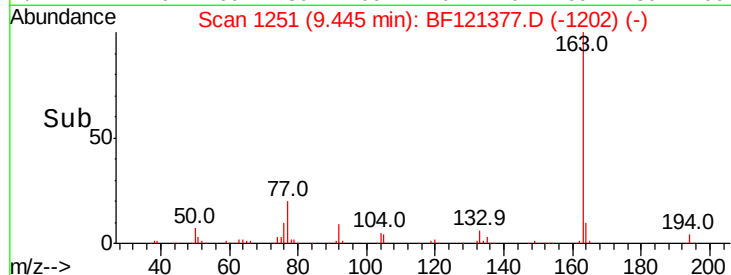
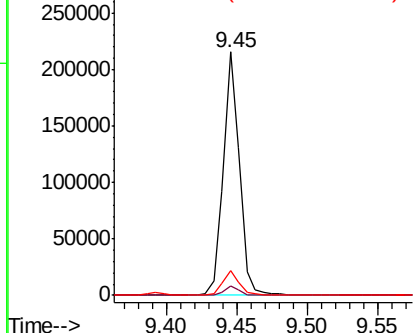
#50
Dimethylphthalate
Concen: 7.618 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Instrument :
BNA_F
ClientSampleId :
COMP-1-(0-1)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.1	8.4	12.6

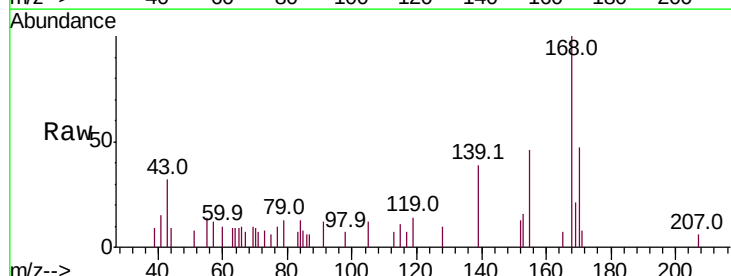


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

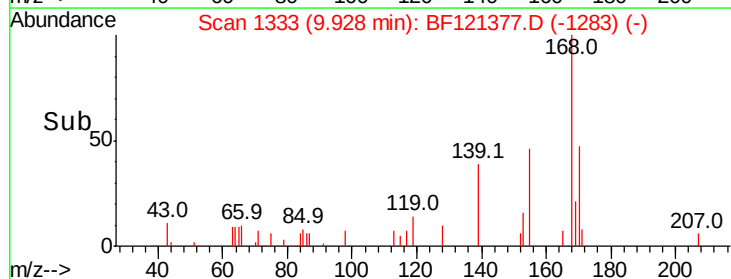
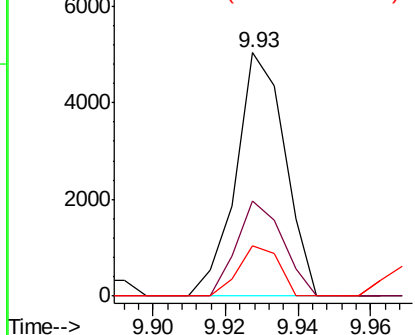


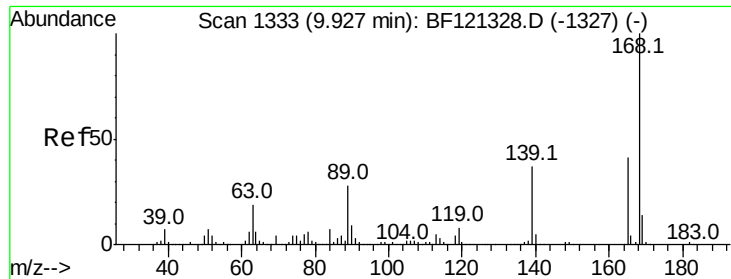
#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

Tgt Ion	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

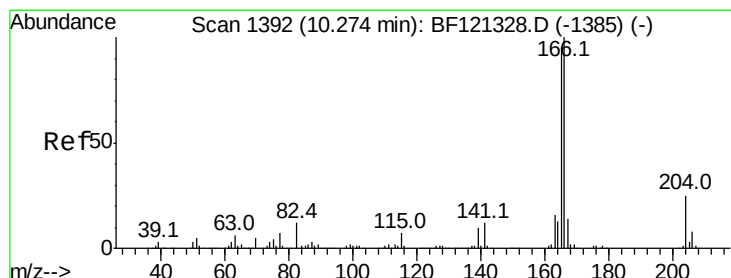
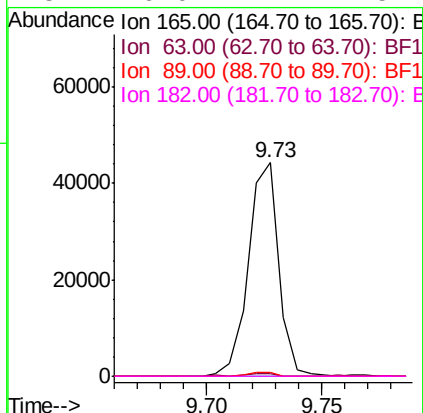
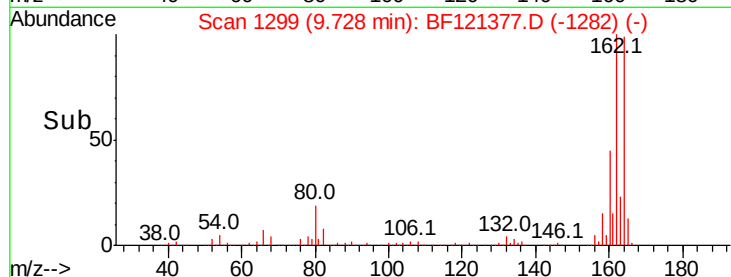
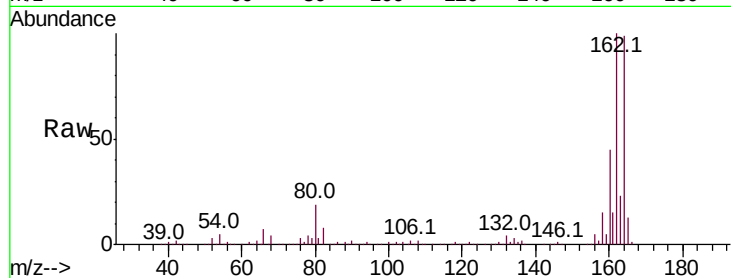




#57
 2,4-Dinitrotoluene
 Concen: 6.944 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

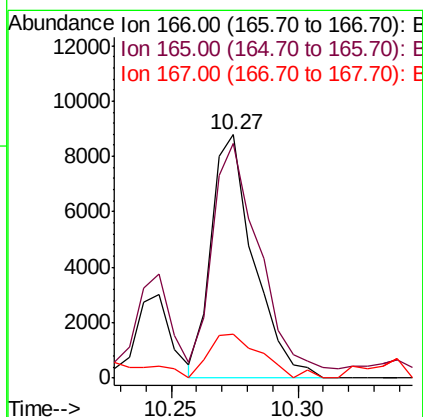
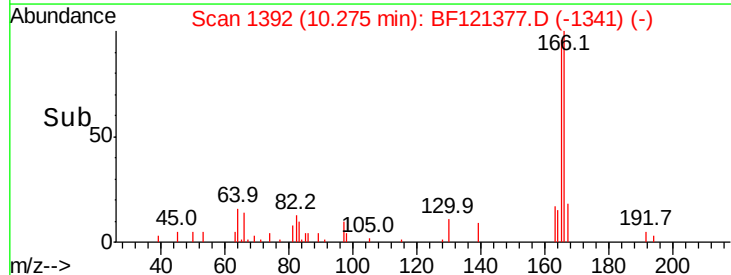
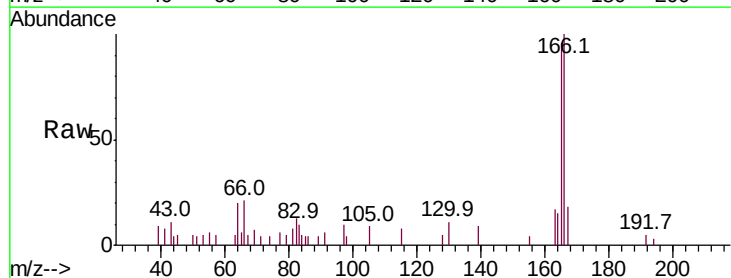
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-(0-1)

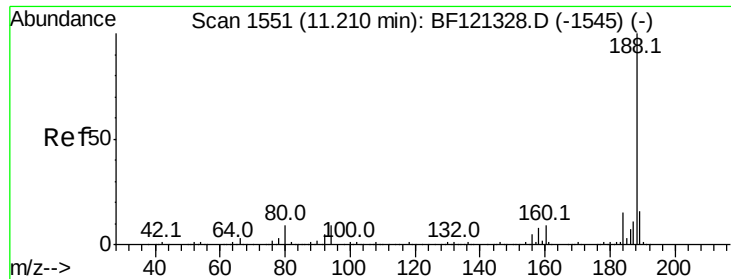
Tot Ion:	165	Resp:	40715
Ion	Ratio	Lower	Upper
165	100		
63	1.5	37.5	56.3#
89	1.7	54.2	81.4#
182	0.0	2.2	3.4#



#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:	166	Resp:	10310
Ion	Ratio	Lower	Upper
166	100		
165	96.2	75.8	113.8
167	18.0	11.0	16.4#

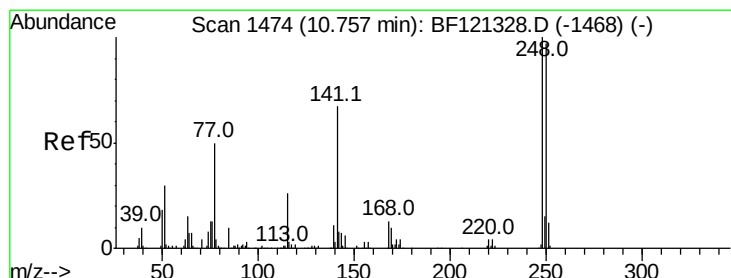
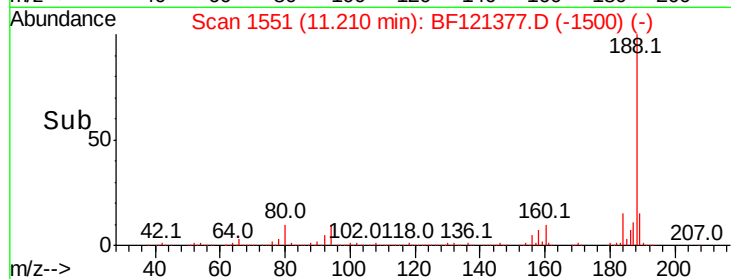
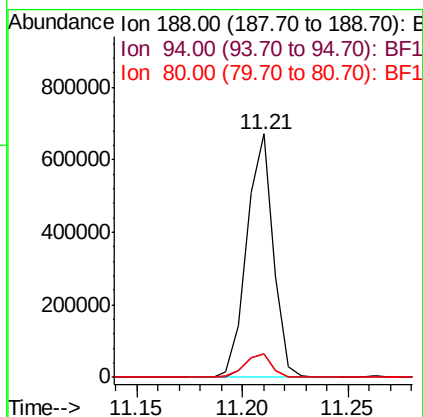
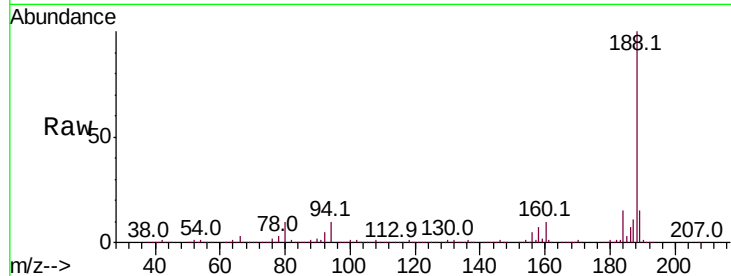




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

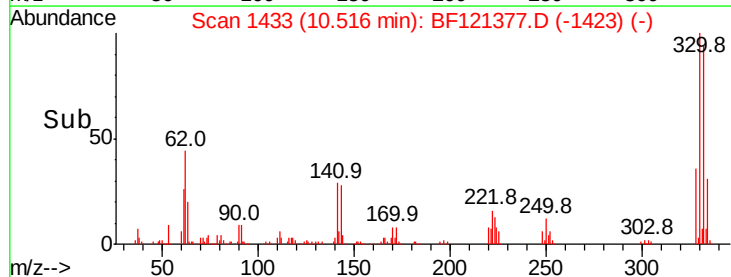
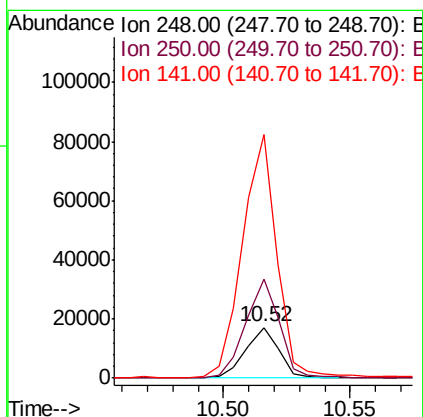
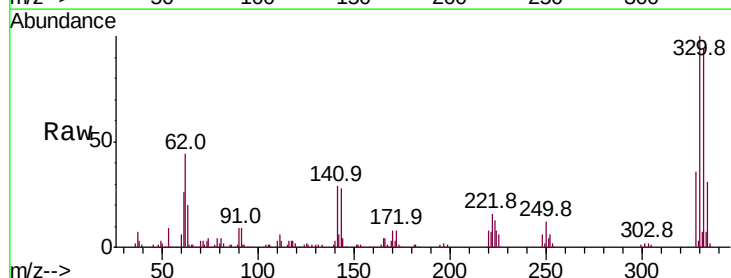
Instrument :
BNA_F
ClientSampleId :
COMP-1-(0-1)

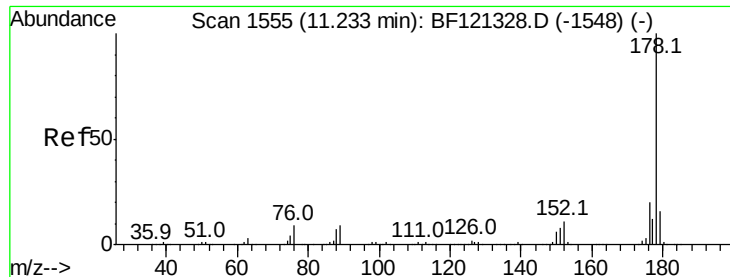
Tot Ion:188 Resp: 582280
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 9.6 7.4 11.0



#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#





#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 :

COMP-1-(0-1)

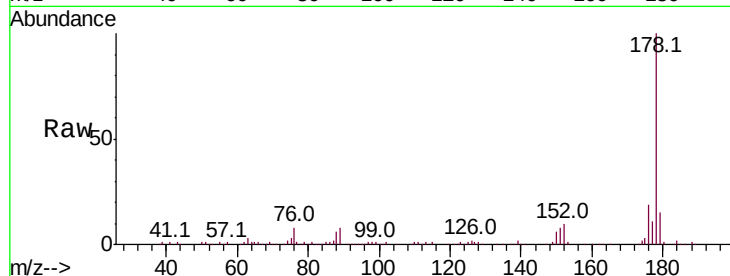
Tot Ion:178 Resp: 151340

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

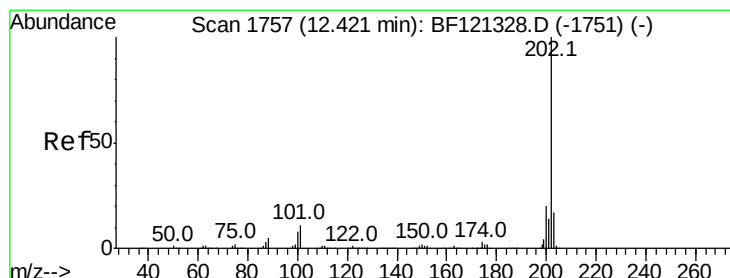
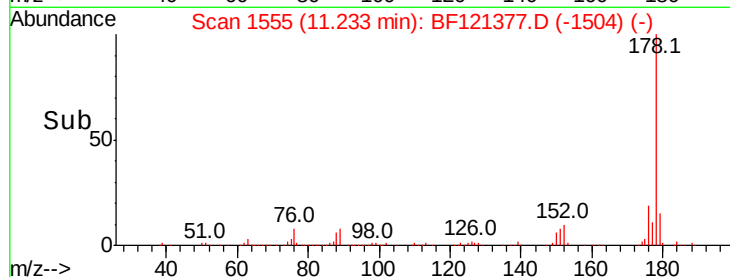
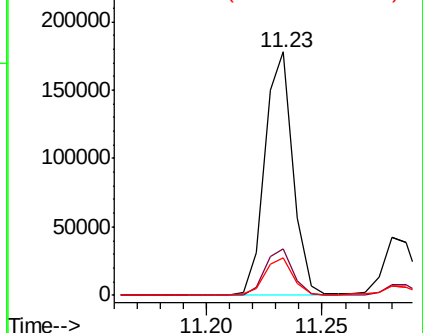
179 15.3 12.8 19.2



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

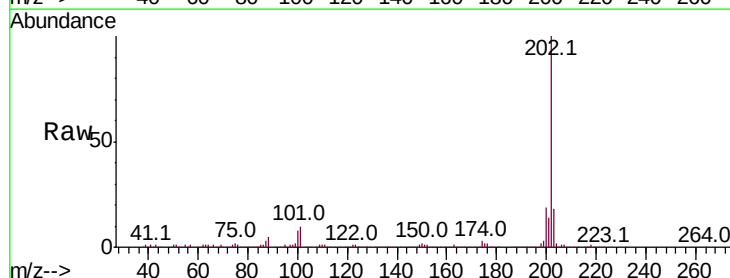
Tgt Ion:202 Resp: 325663

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.6

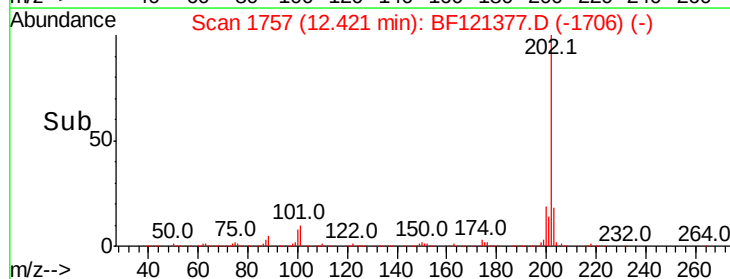
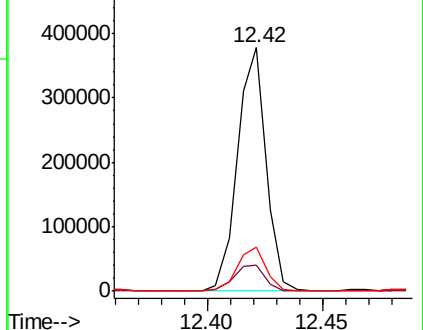
203 18.1 0.0 37.5

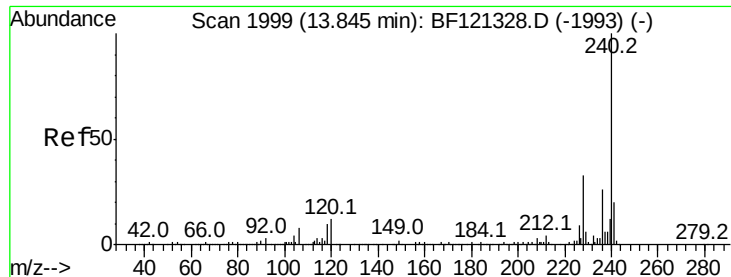


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

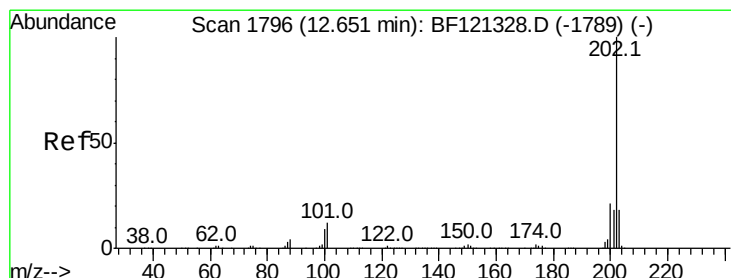
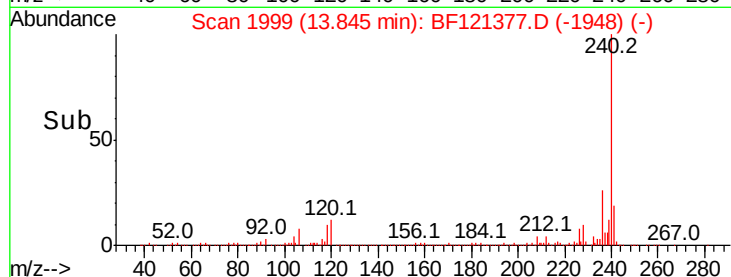
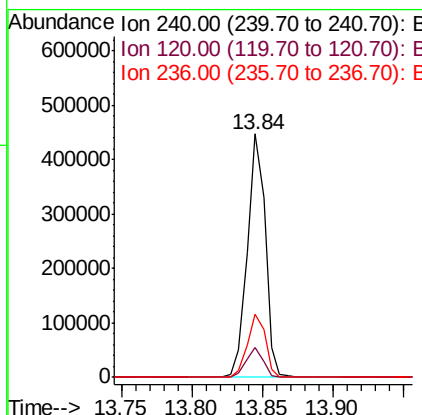
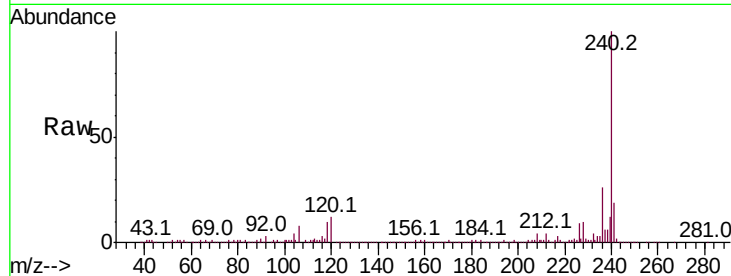




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

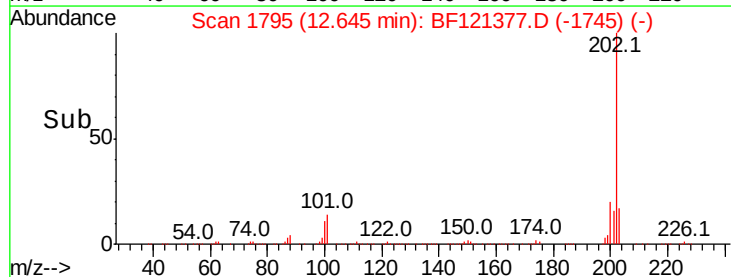
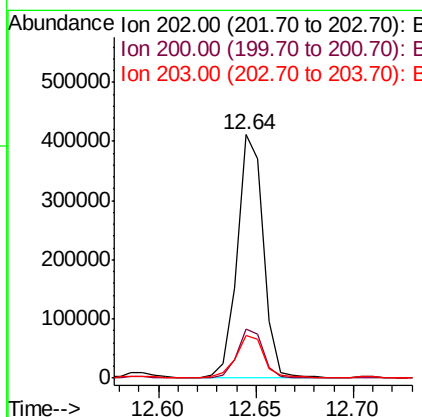
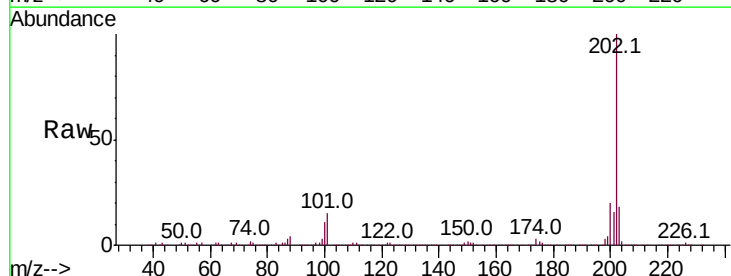
Instrument :
BNA_F
ClientSampleId :
COMP-1-(0-1)

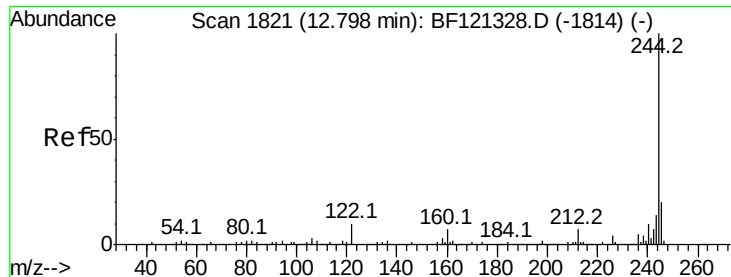
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.6	14.4
236	26.1	20.6	31.0



#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	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	17.7	14.2	21.2





#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

ClientSampleId :

COMP-1-(0-1)

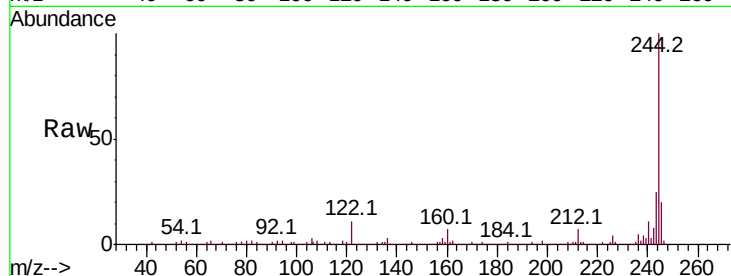
Tot Ion:244 Resp: 1041668

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

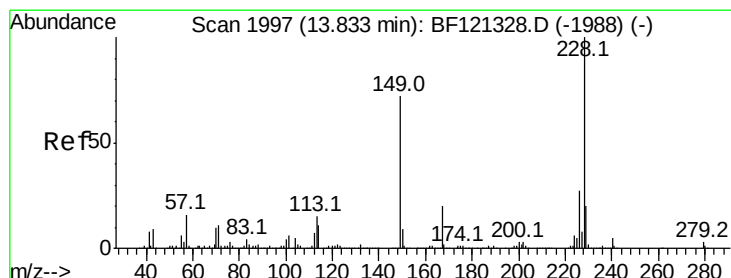
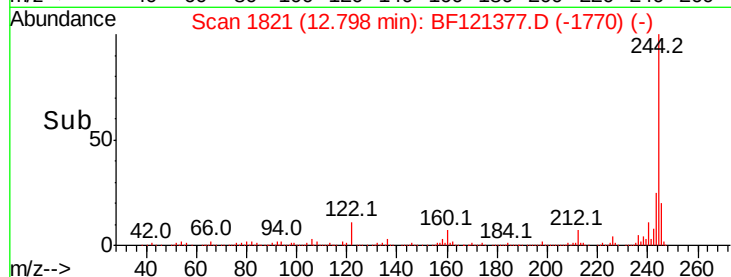
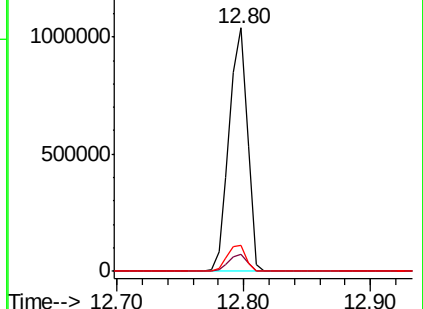
122 10.6 7.8 11.8



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

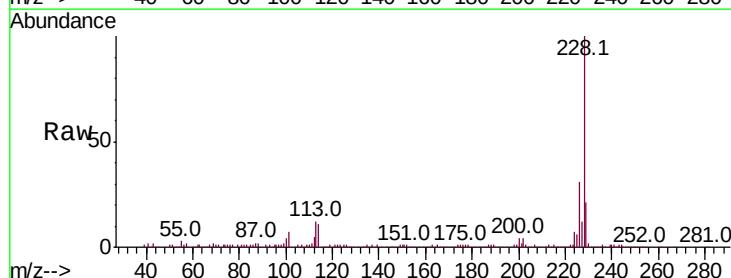
Tgt Ion:228 Resp: 151754

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.6

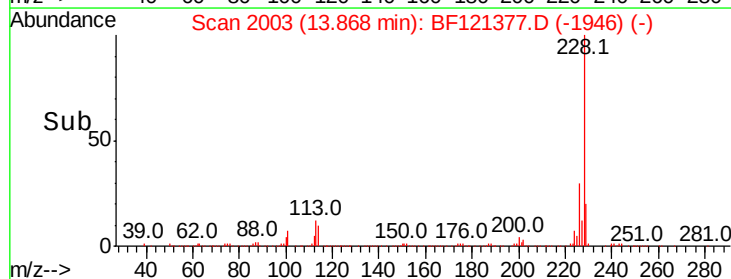
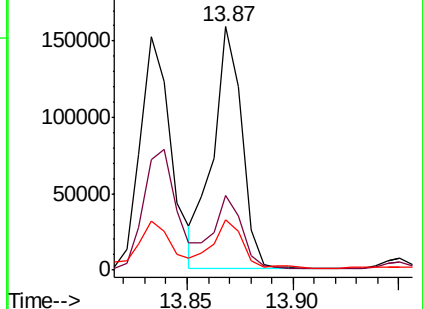
229 20.8 15.8 23.8

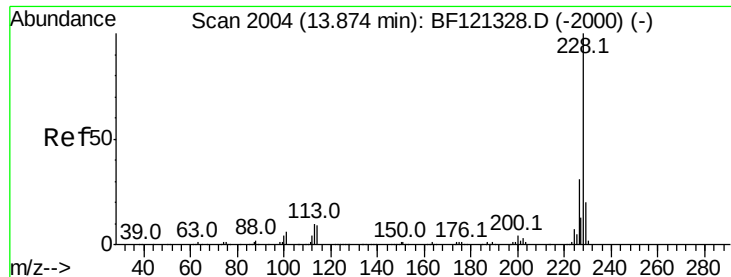


Abundance Ion 228.00 (227.70 to 228.70): E

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 :

COMP-1-(0-1)

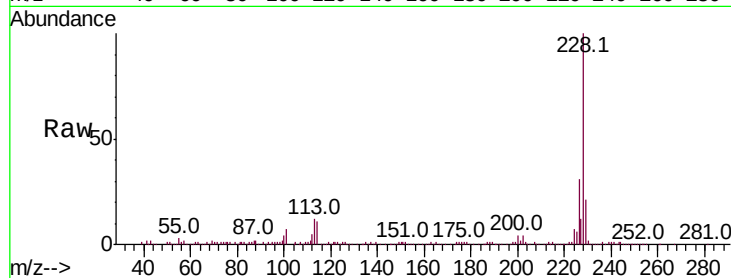
Tot Ion:228 Resp: 151754

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

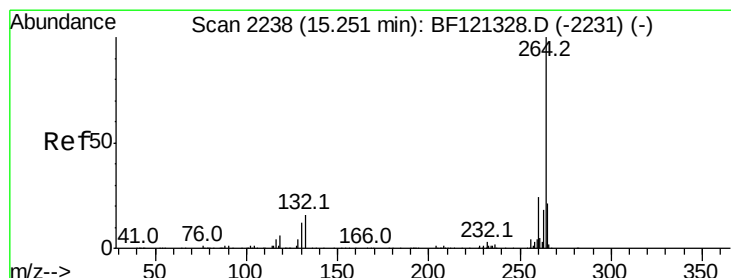
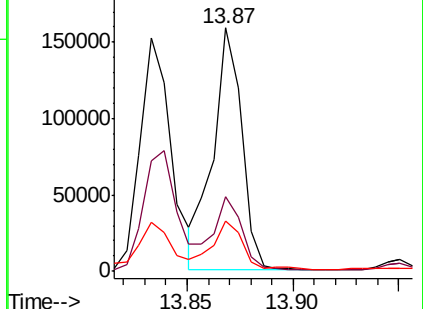
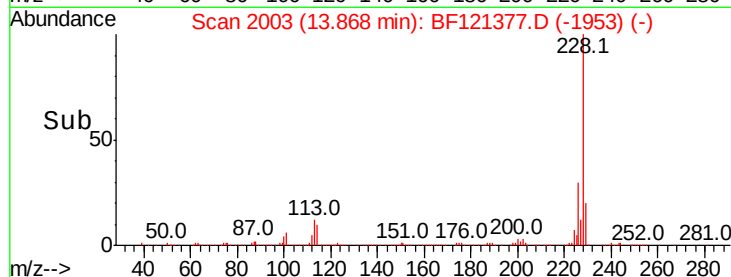
229 20.8 15.9 23.9



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: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

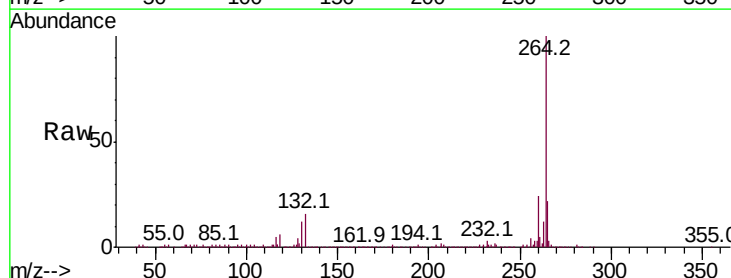
Tgt Ion:264 Resp: 359506

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

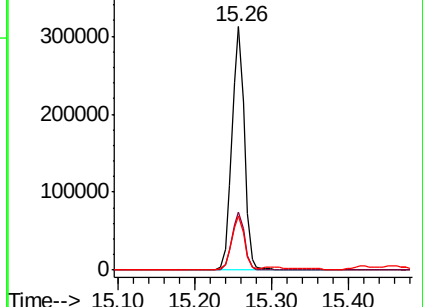
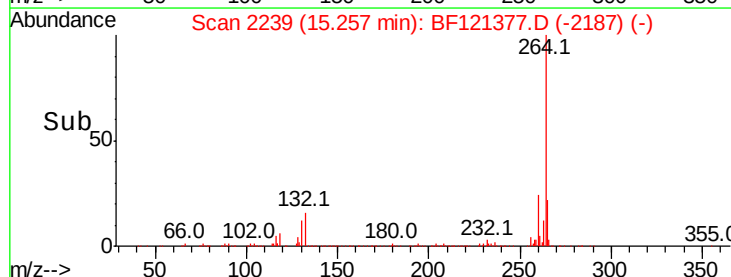
265 22.0 17.1 25.7

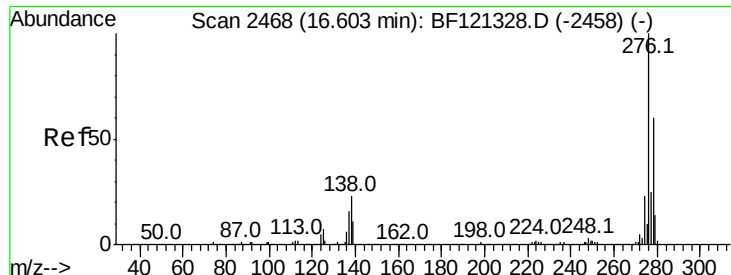


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

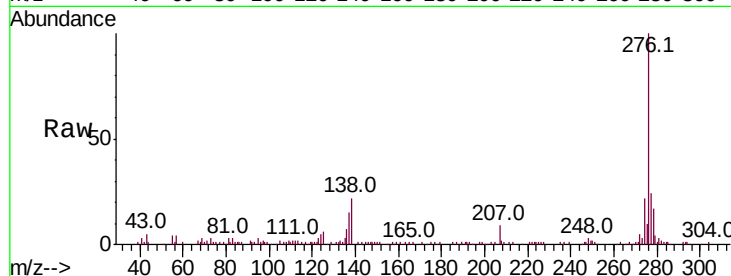




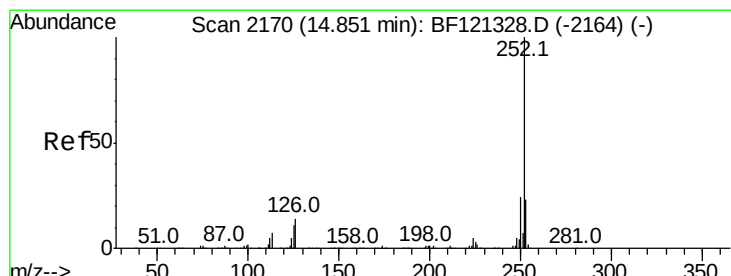
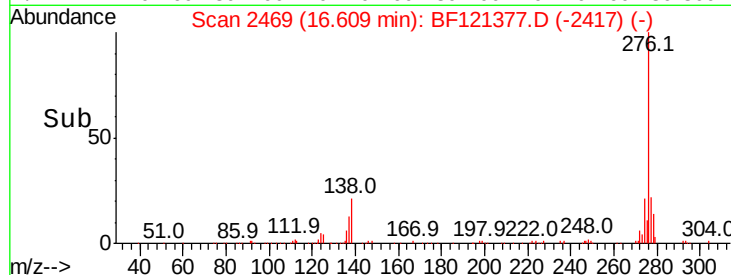
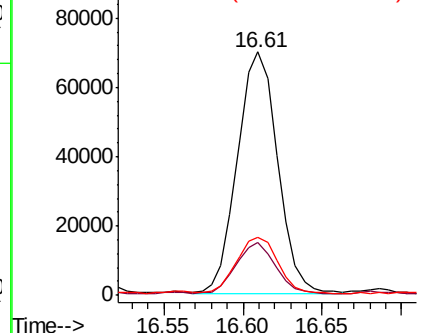
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.579 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-(0-1)

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

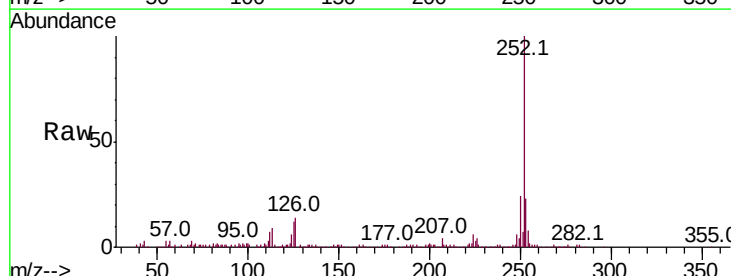


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

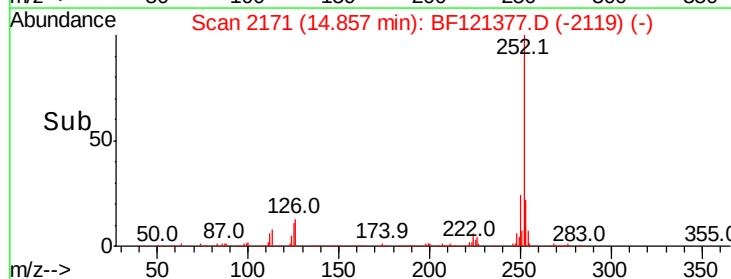
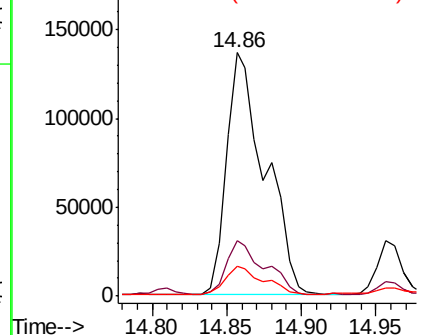


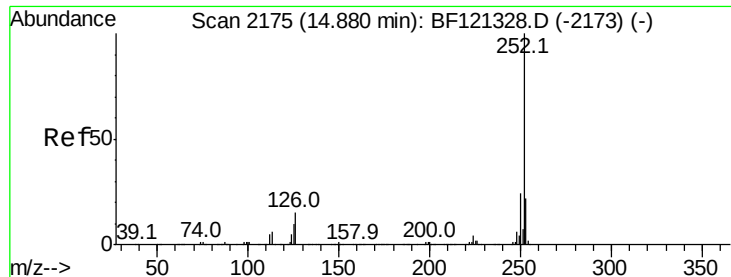
#88
 Benzo(b)fluoranthene
 Concen: 10.593 ng
 RT: 14.86 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: BF121377.D
 Acq: 21 Aug 2020 20:19

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



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

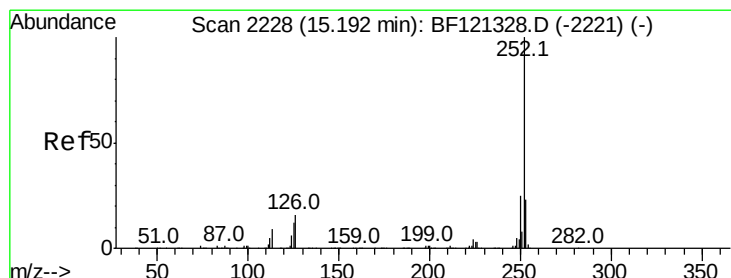
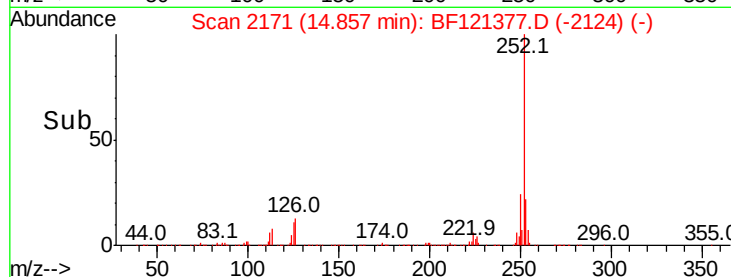
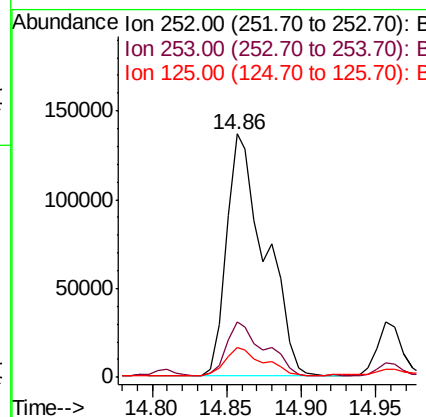
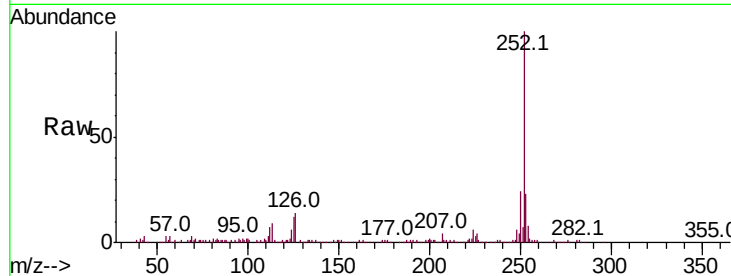




#89
Benzo(k)fluoranthene
Concen: 12.034 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF121377.D
Acq: 21 Aug 2020 20:19

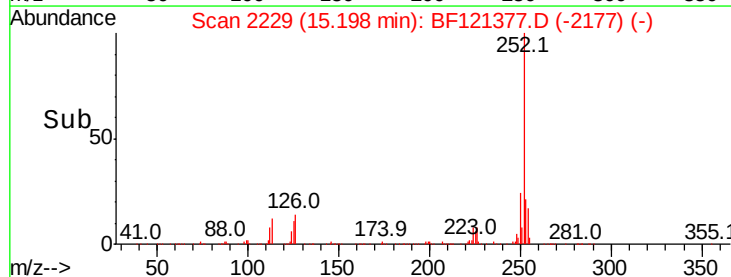
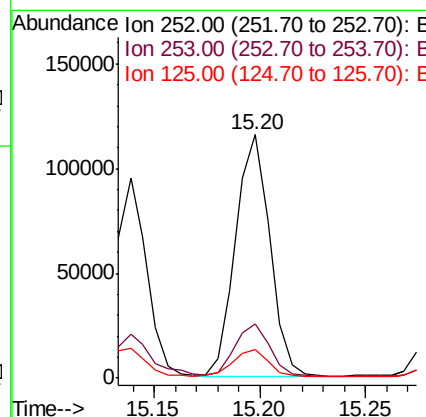
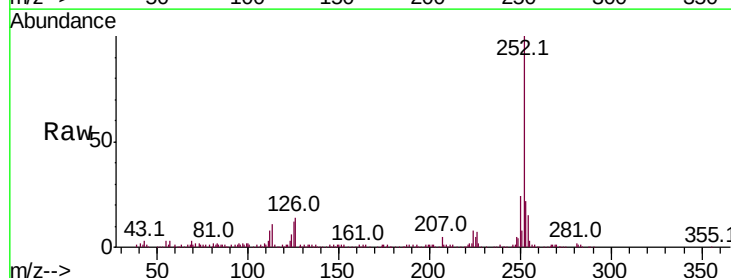
Instrument :
BNA_F
ClientSampleId :
COMP-1-(0-1)

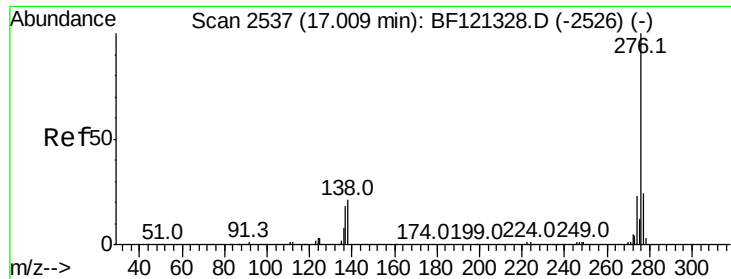
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.1	8.6	12.8



#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 :

COMP-1-(0-1)

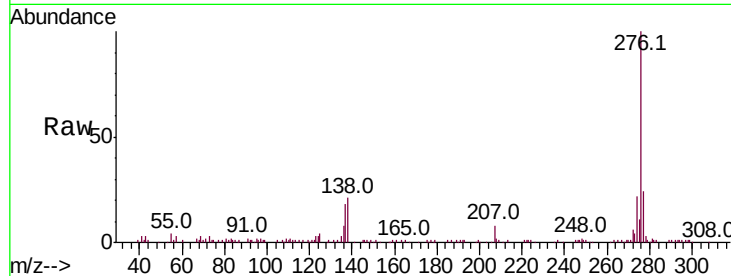
Tot Ion:276 Resp: 144176

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

