

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\
 Data File : BF114027.D
 Acq On : 29 Apr 2019 17:18
 Operator : JU/SJ
 Sample : K2553-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 01:21:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

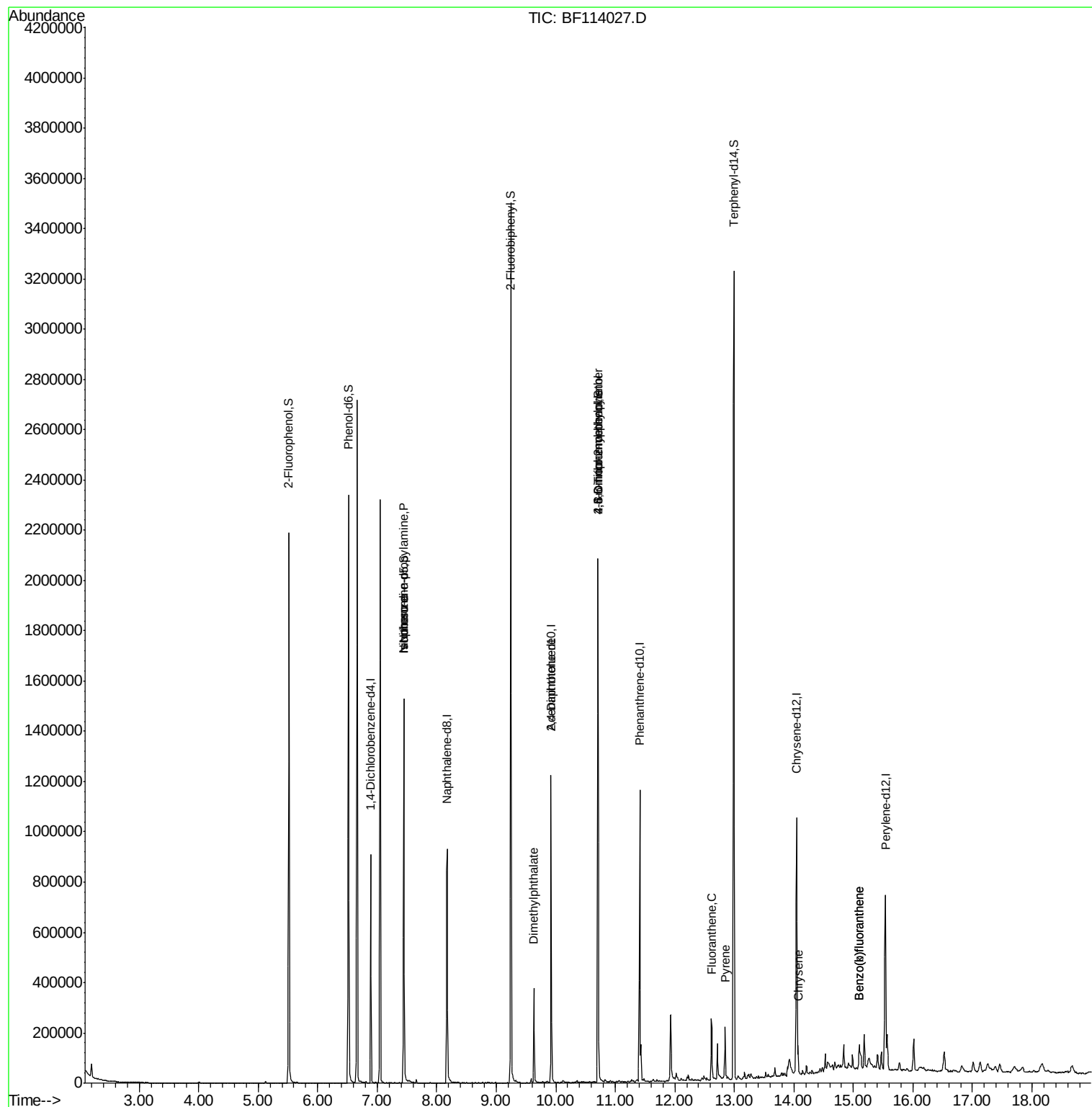
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	126126	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	471956	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	247724	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	483222	20.00	ng	0.00
76) Chrysene-d12	14.04	240	319742	20.00	ng	-0.02
87) Perylene-d12	15.54	264	364220	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	664445	90.10	ng	0.00
7) Phenol-d6	6.52	99	869202	93.95	ng	0.00
23) Nitrobenzene-d5	7.45	82	525468	68.74	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	277976	92.11	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1084724	68.48	ng	-0.01
79) Terphenyl-d14	12.99	244	1153874	73.98	ng	-0.01
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	1225	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	70440	11.757 ng	#	78
25) Isophorone	7.45	82	523415	33.466 ng	#	65
50) Dimethylphthalate	9.63	163	162428	9.066 ng		99
57) 2,4-Dinitrotoluene	9.92	165	31410	6.474 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.71	198	333	7.436 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	17749	3.041 ng	#	1
75) Fluoranthene	12.62	202	101401	3.827 ng		97
78) Pyrene	12.85	202	85669	3.831 ng		96
83) Chrysene	14.07	228	42199	2.300 ng		97
88) Benzo(b)fluoranthene	15.10	252	75414	3.273 ng		96
89) Benzo(k)fluoranthene	15.10	252	75414	3.805 ng		97

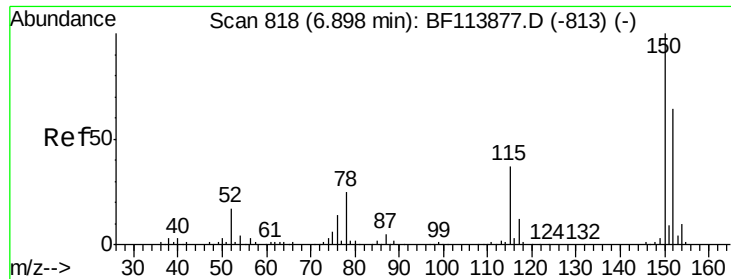
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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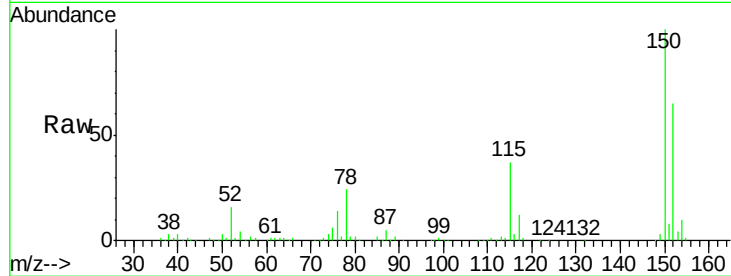


#1

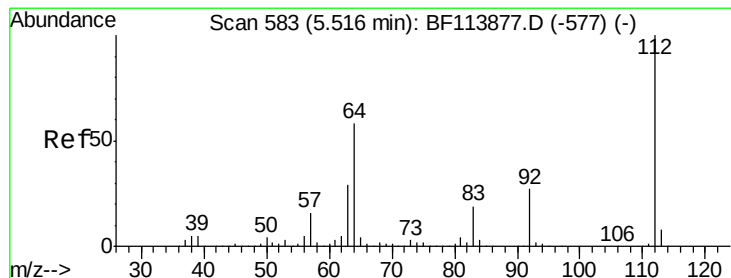
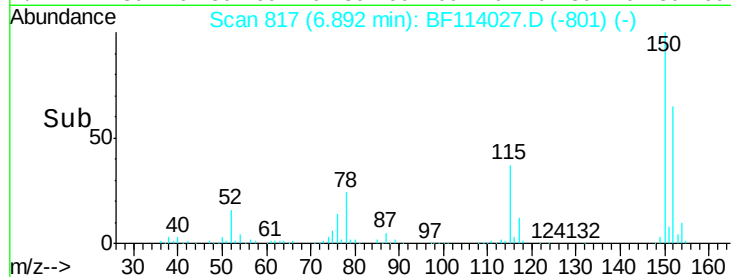
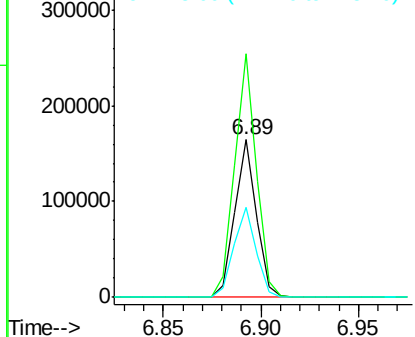
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF114027.D
 Acq: 29 Apr 2019 17:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.9	188.9
115	57.1	45.9	68.9



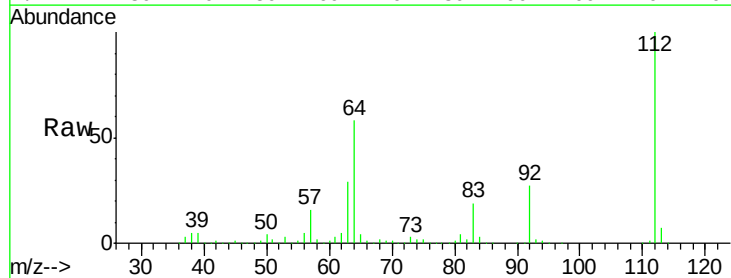
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



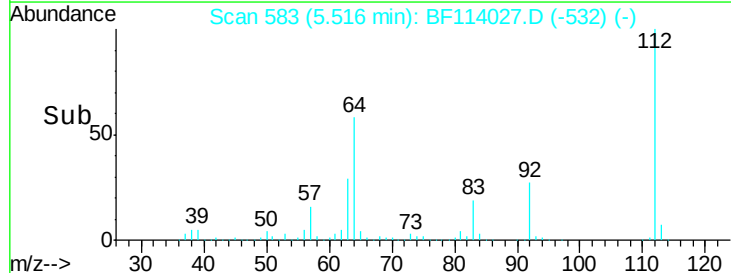
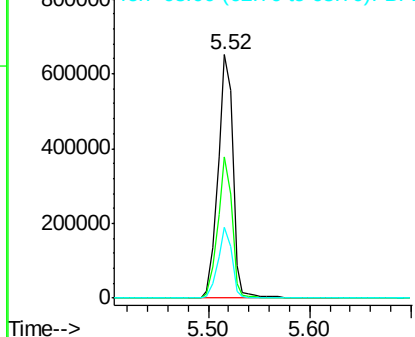
#5

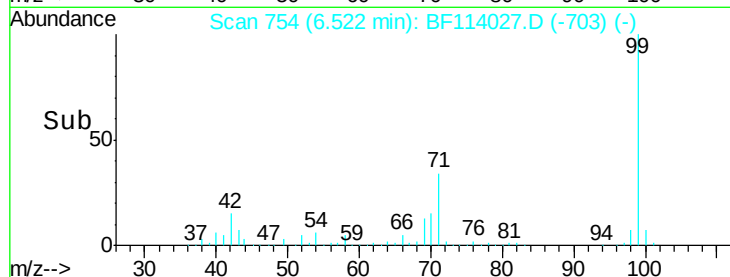
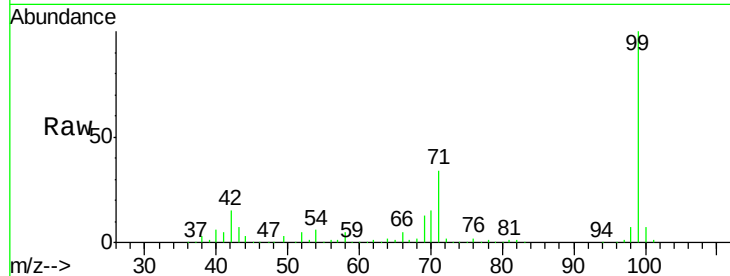
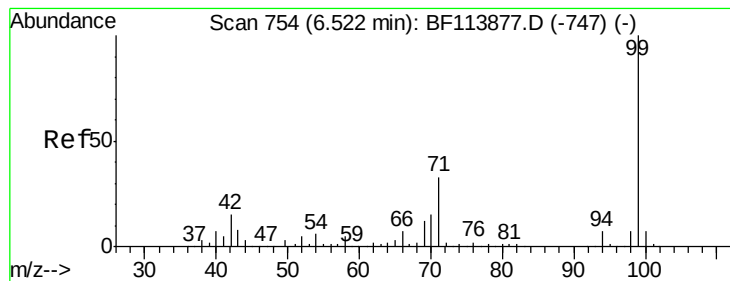
2-Fluorophenol
 Concen: 90.103 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF114027.D
 Acq: 29 Apr 2019 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.6	69.8
63	28.8	23.1	34.7



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: 93.949 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampleId :

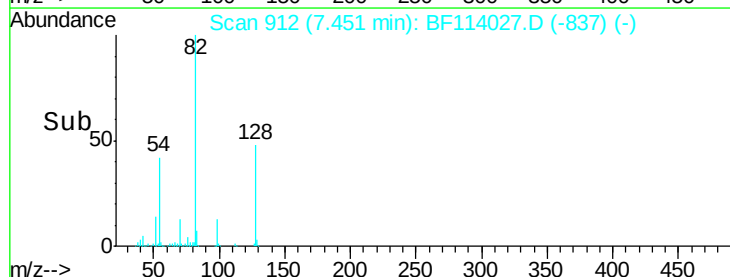
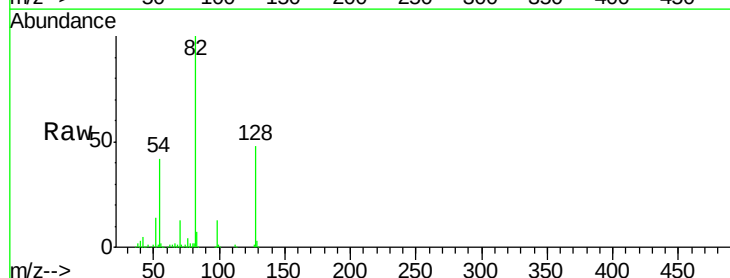
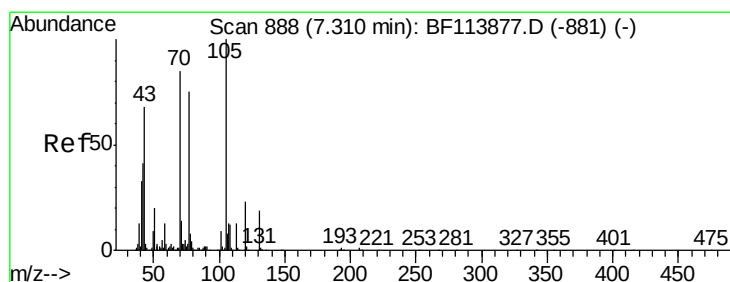
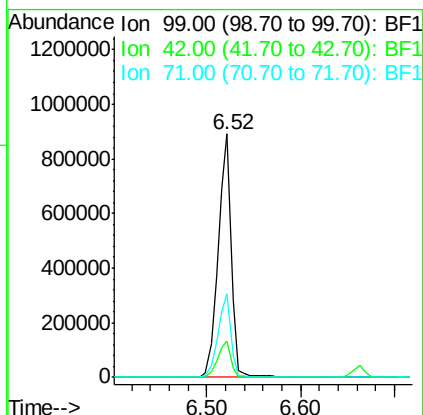
Tot Ion: 99 Resp: 869202

Ion Ratio Lower Upper

99 100

42 14.6 12.5 18.7

71 34.1 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.757 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Tgt Ion: 70 Resp: 70440

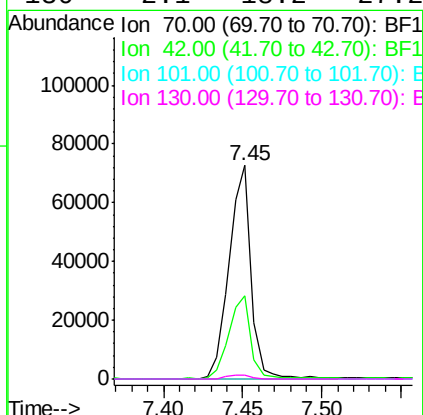
Ion Ratio Lower Upper

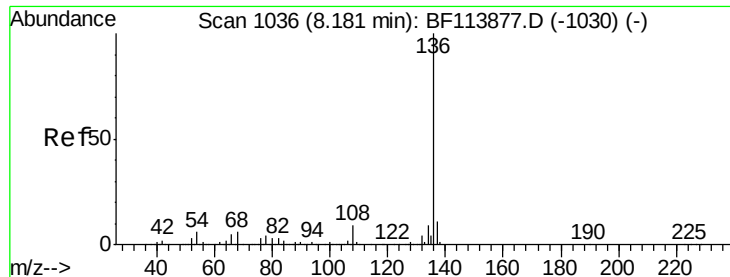
70 100

42 39.0 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

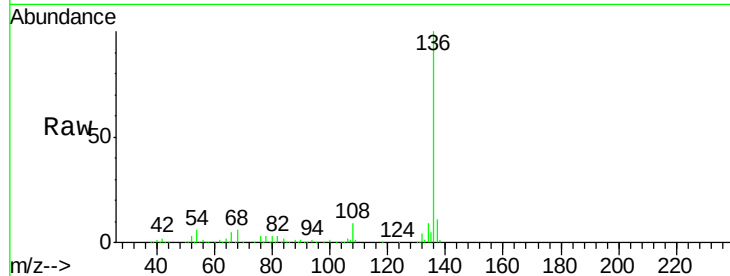




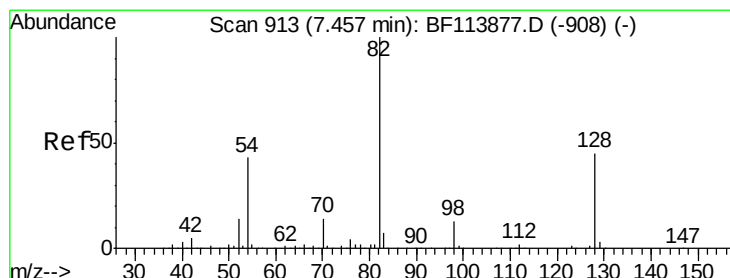
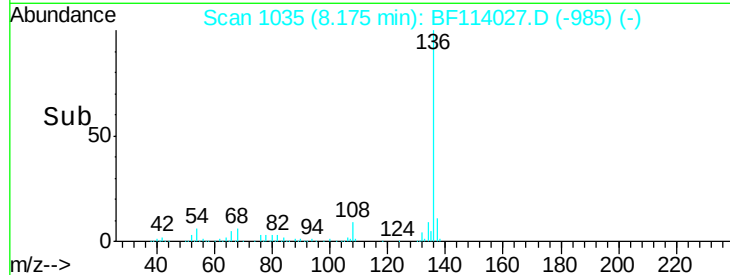
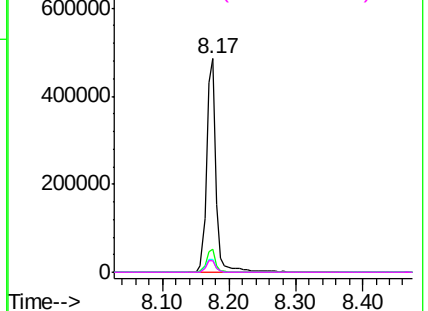
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF114027.D
Acq: 29 Apr 2019 17:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	471956
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 12.8
54	5.8	5.0 7.6
68	5.5	4.9 7.3

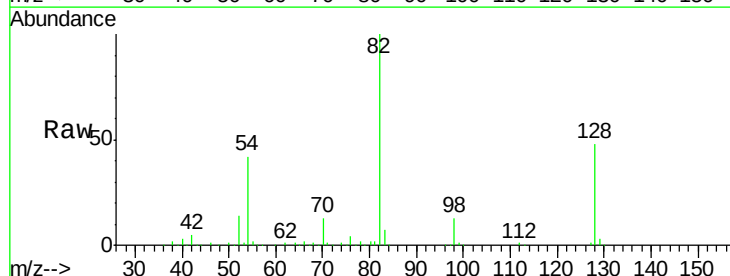


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

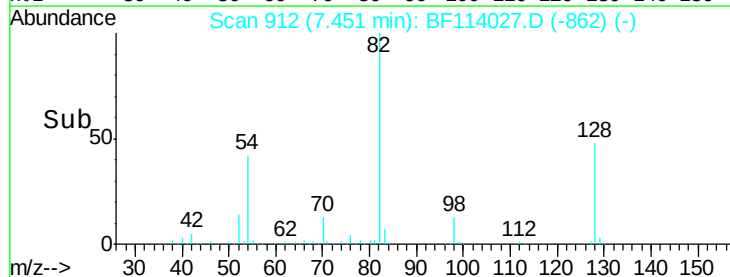
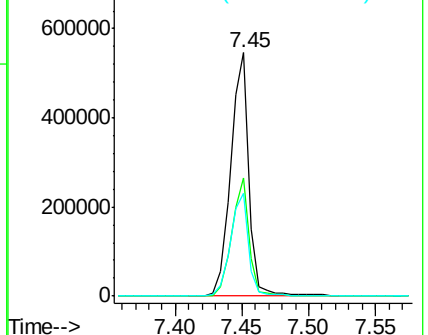


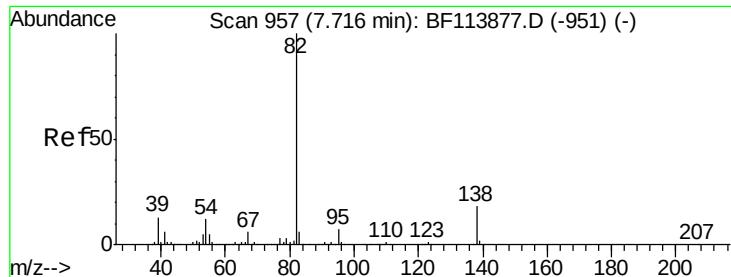
#23
Nitrobenzene-d5
Concen: 68.745 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF114027.D
Acq: 29 Apr 2019 17:18

Tgt Ion: 82	Resp:	525468
Ion Ratio	Lower	Upper
82	100	
128	48.4	36.8 55.2
54	42.2	33.8 50.6



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





#25

Isophorone

Concen: 33.466 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampleId :

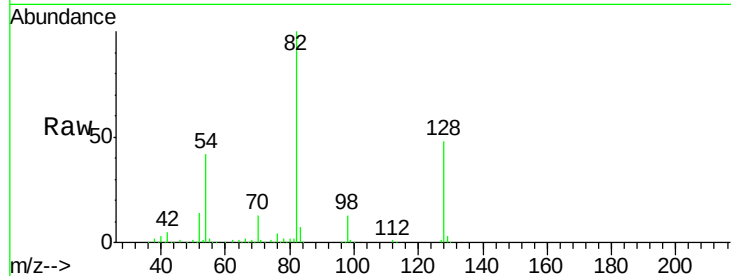
Tot Ion: 82 Resp: 523415

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

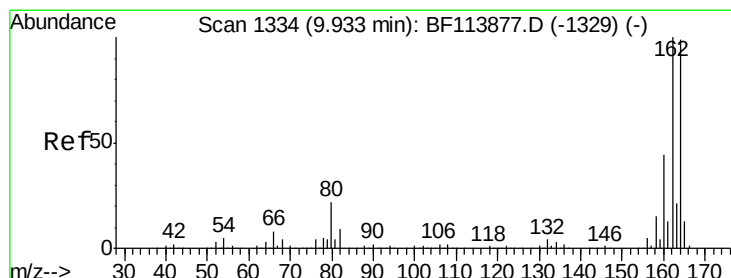
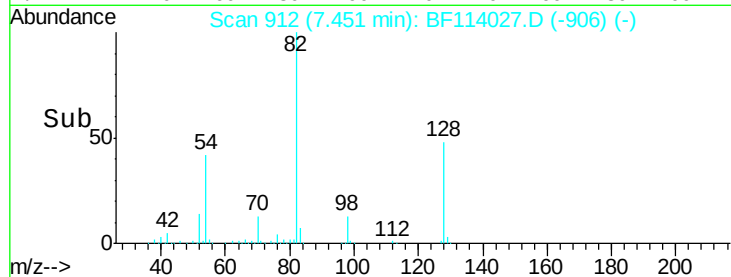
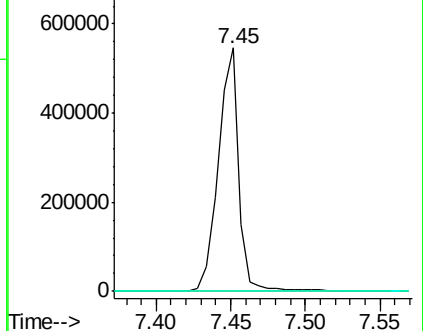
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

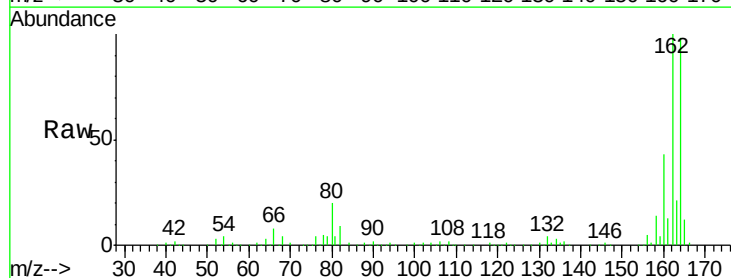
Tgt Ion: 164 Resp: 247724

Ion Ratio Lower Upper

164 100

162 102.5 81.1 121.7

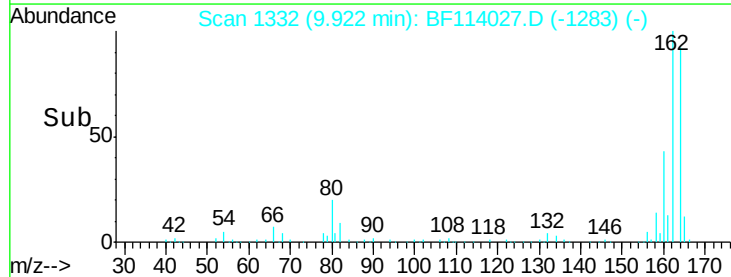
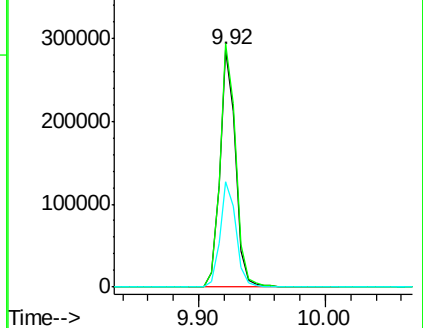
160 44.2 35.8 53.6

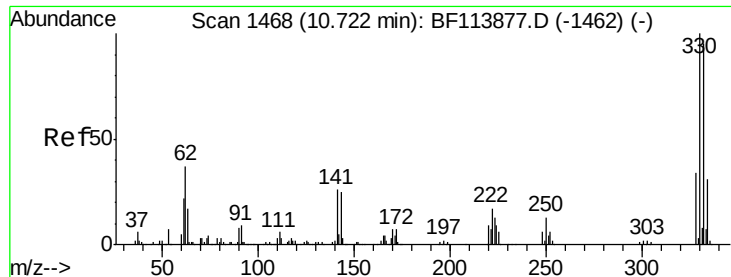


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 92.113 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampleId :

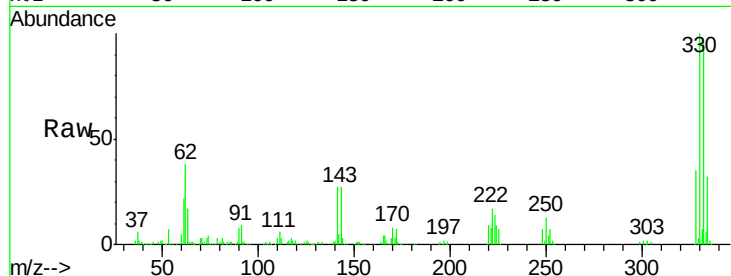
Tot Ion:330 Resp: 277976

Ion Ratio Lower Upper

330 100

332 95.8 77.5 116.3

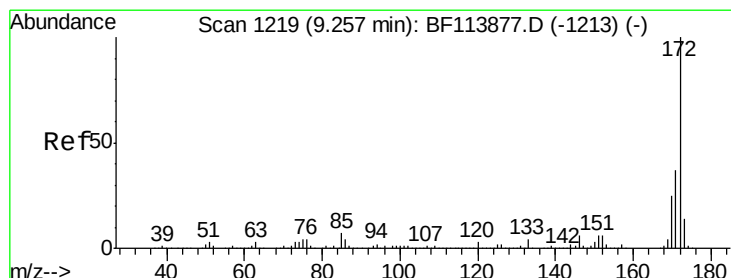
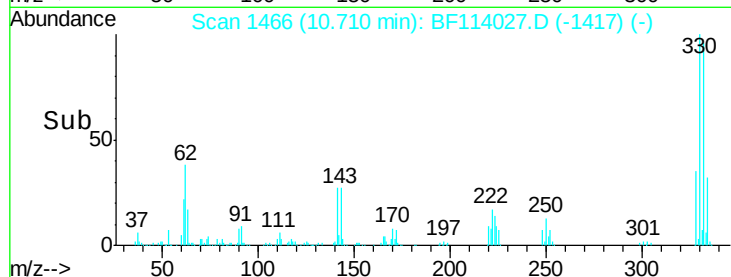
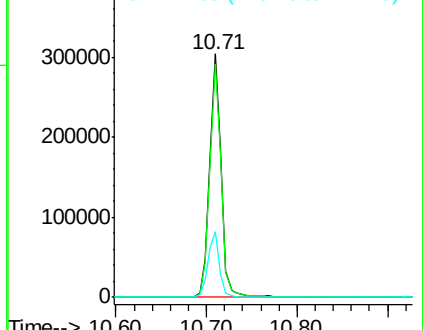
141 26.9 22.2 33.2



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: 68.485 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

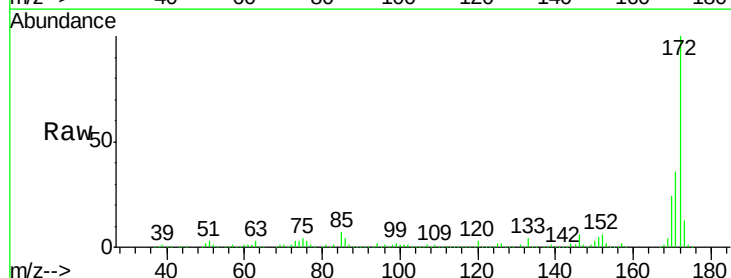
Tgt Ion:172 Resp: 1084724

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

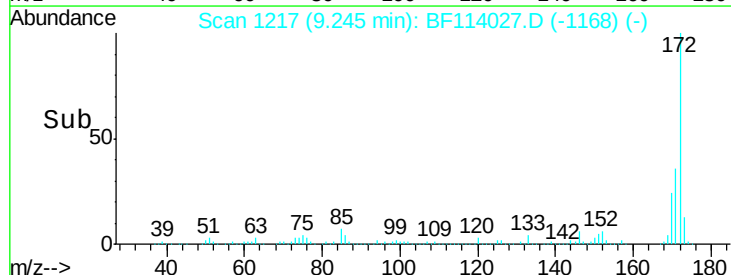
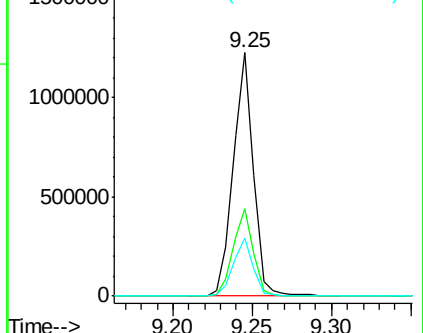
170 24.0 19.9 29.9

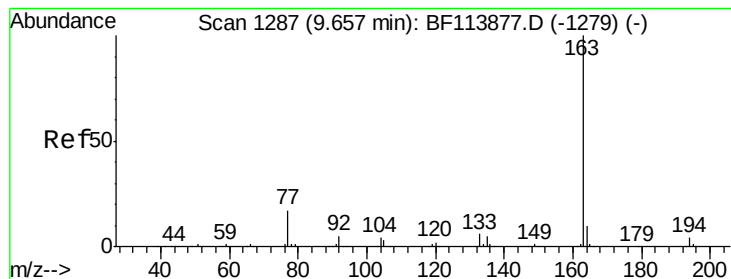


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.066 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampleId :

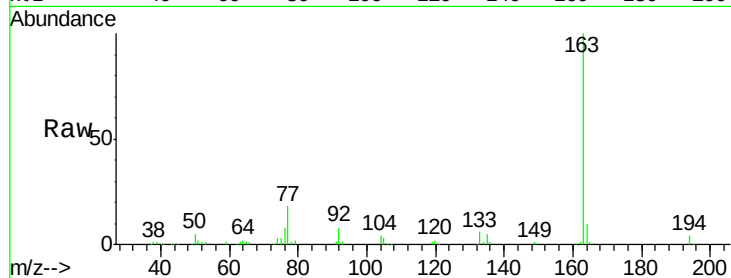
Tot Ion:163 Resp: 162428

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

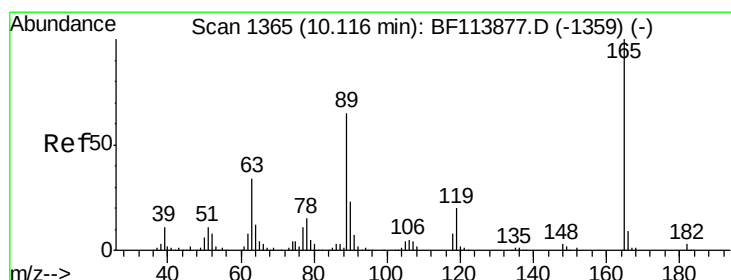
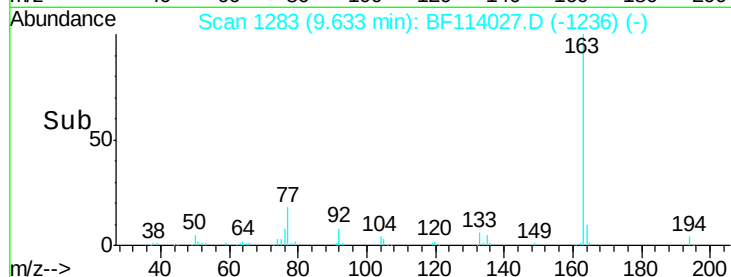
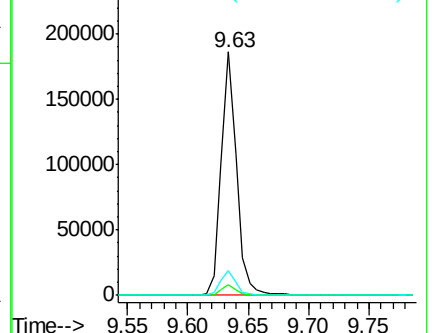
164 10.0 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.474 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Tgt Ion:165 Resp: 31410

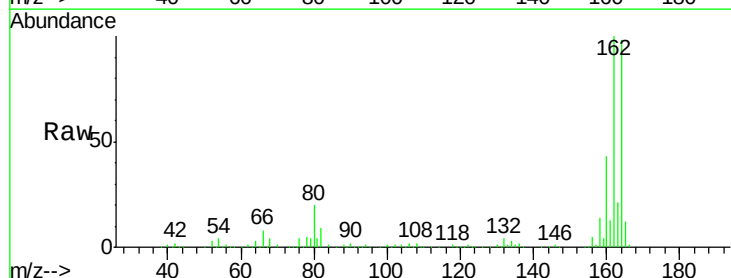
Ion Ratio Lower Upper

165 100

63 1.0 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

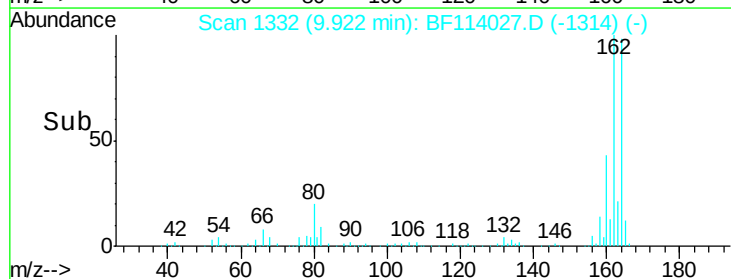
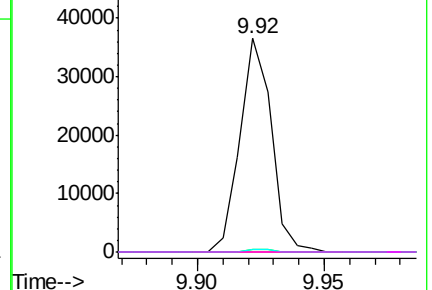


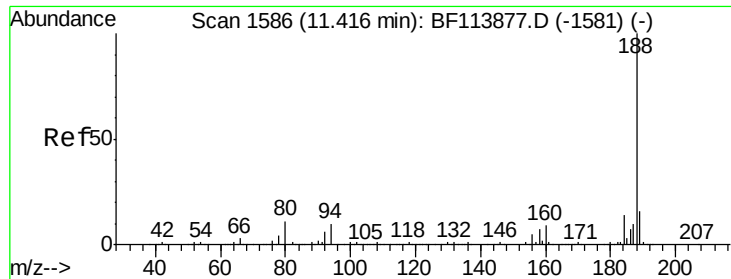
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampleId :

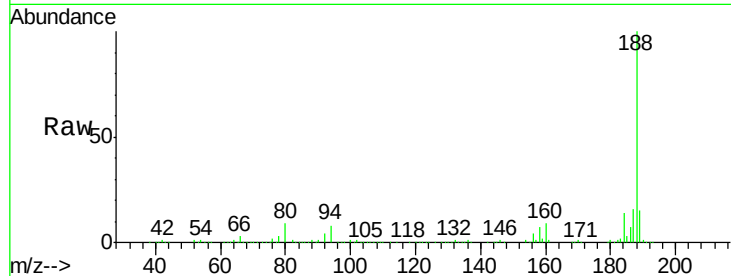
Tot Ion:188 Resp: 483222

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.4#

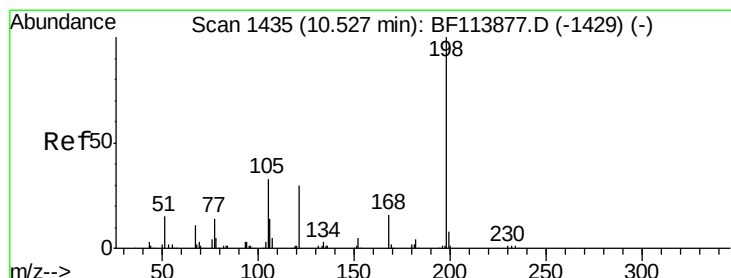
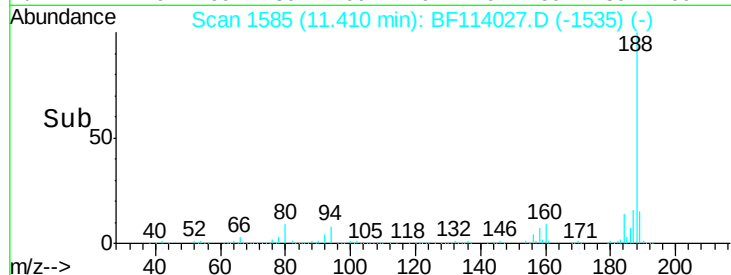
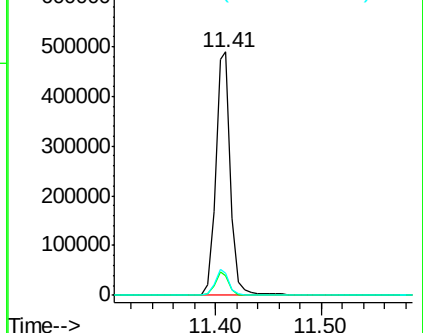
80 8.9 9.0 13.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.436 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

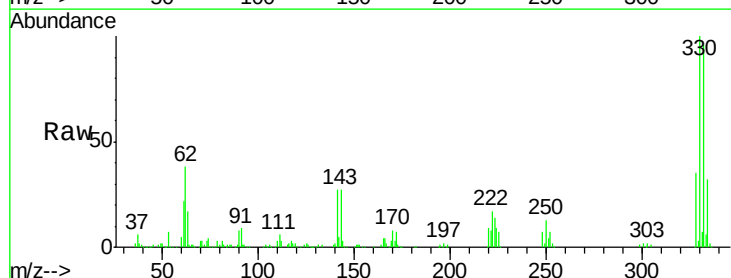
Tgt Ion:198 Resp: 333

Ion Ratio Lower Upper

198 100

51 138.1 11.1 51.1#

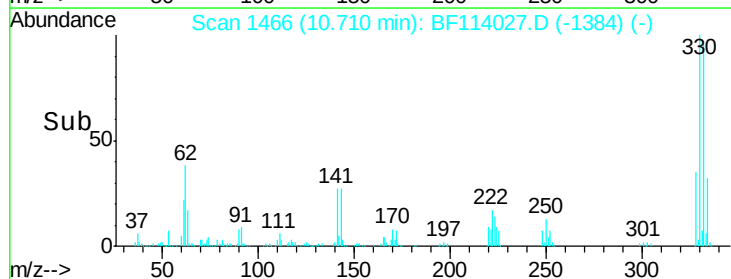
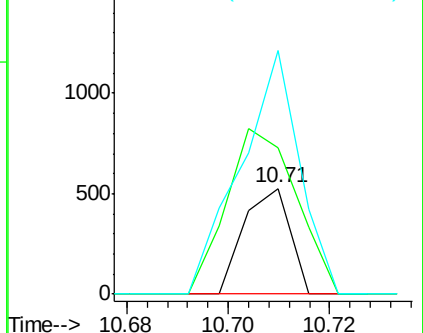
105 229.5 20.7 60.7#

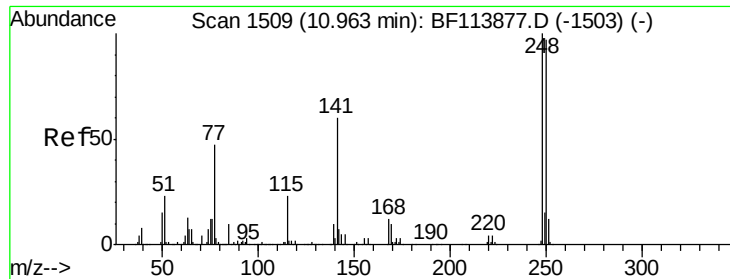


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

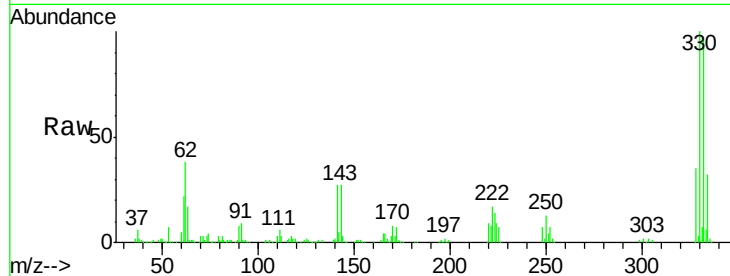




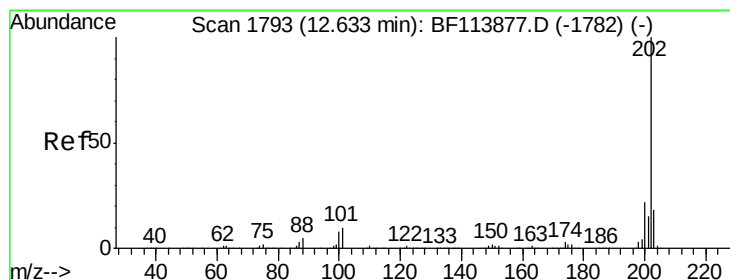
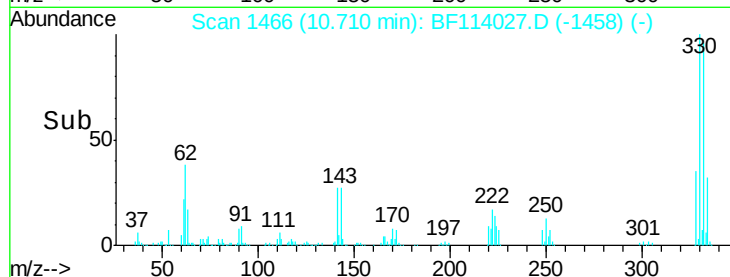
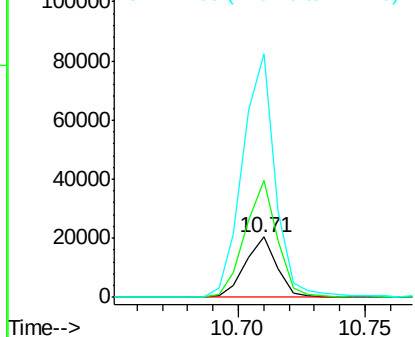
#67
4-Bromophenyl-phenylether
Concen: 3.041 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF114027.D
Acq: 29 Apr 2019 17:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17749
Ion Ratio Lower Upper
248 100
250 193.9 75.8 113.6#
141 403.6 50.2 75.4#

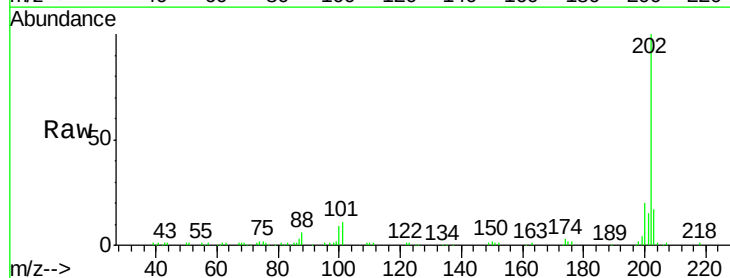


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

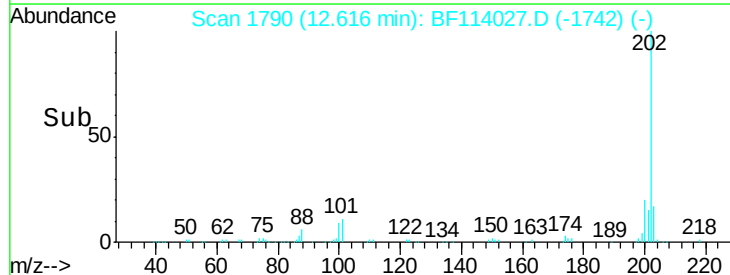
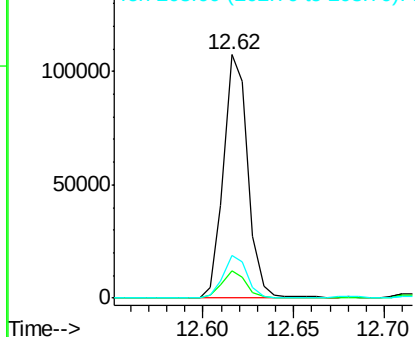


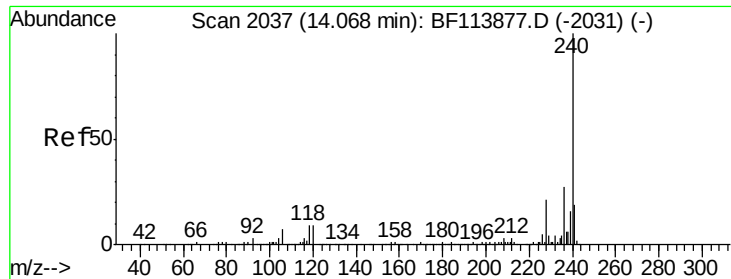
#75
Fluoranthene
Concen: 3.827 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF114027.D
Acq: 29 Apr 2019 17:18

Tgt Ion:202 Resp: 101401
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.9
203 17.3 0.0 38.2



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: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampled :

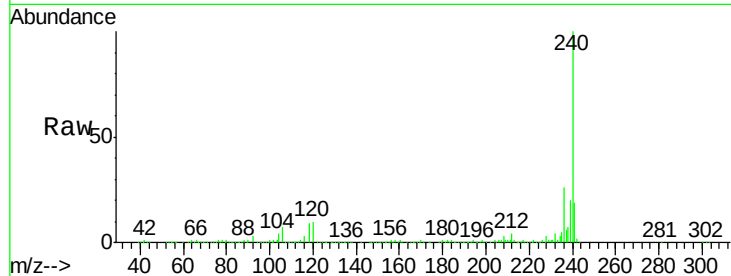
Tot Ion:240 Resp: 319742

Ion Ratio Lower Upper

240 100

120 9.6 9.3 13.9

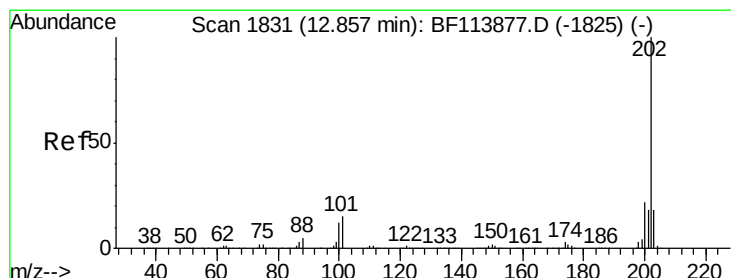
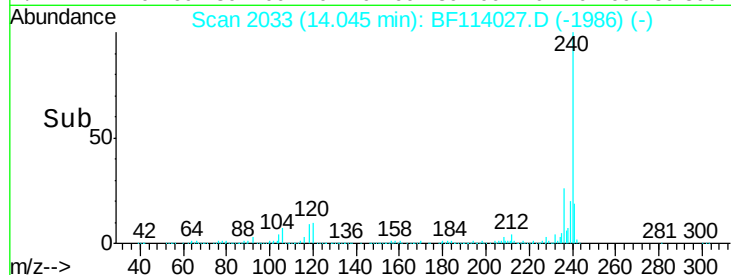
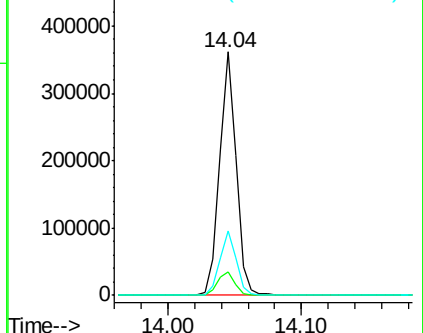
236 26.3 21.2 31.8



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: 3.831 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

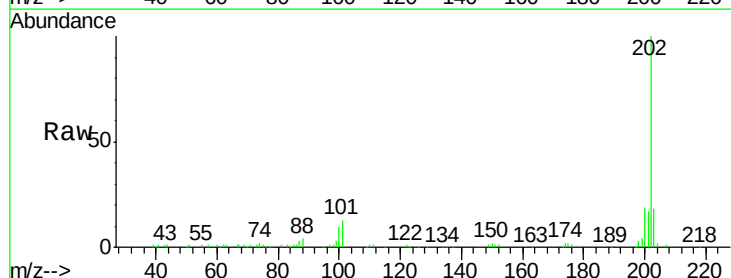
Tgt Ion:202 Resp: 85669

Ion Ratio Lower Upper

202 100

200 19.5 17.7 26.5

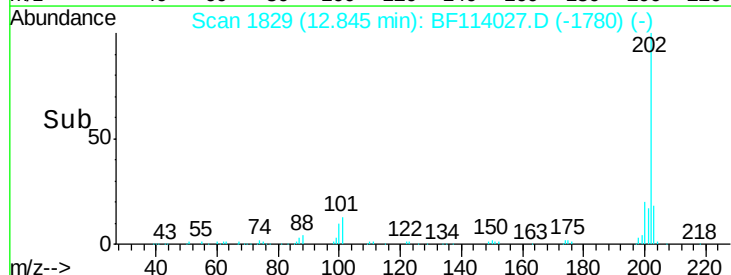
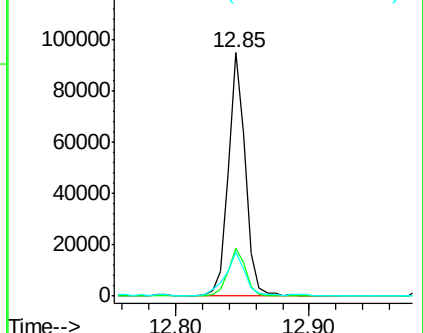
203 17.9 15.0 22.6

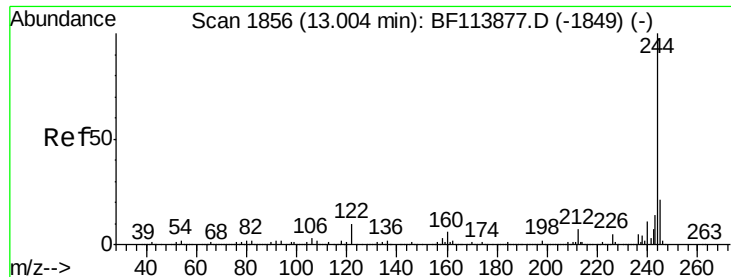


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.984 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

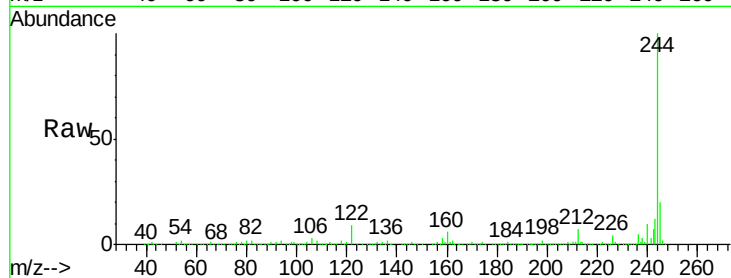
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1153874

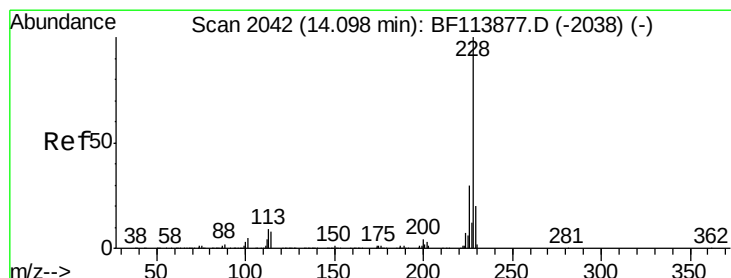
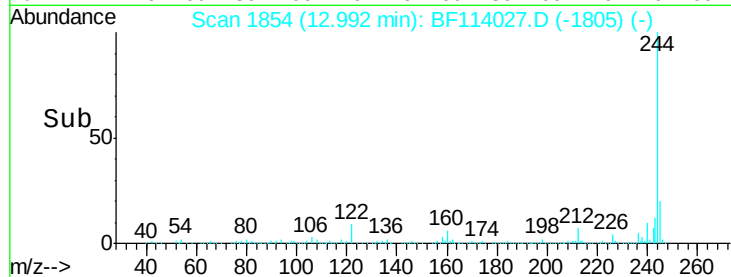
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	9.2	7.6	11.4



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



#83

Chrysene

Concen: 2.300 ng

RT: 14.07 min Scan# 2037

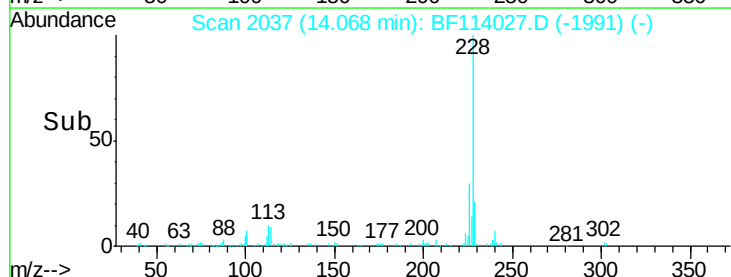
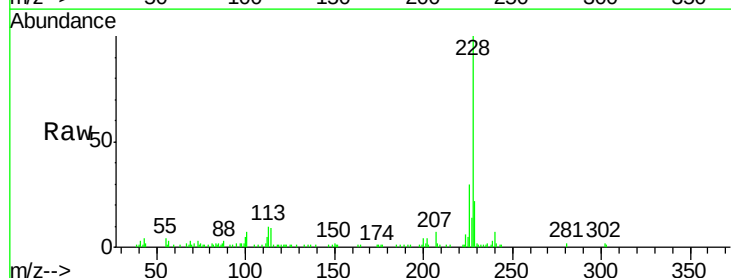
Delta R.T. -0.03 min

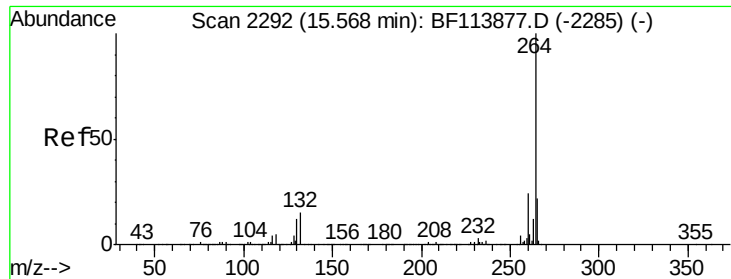
Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Tgt Ion:228 Resp: 42199

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	22.2	16.7	25.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.03 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

Instrument :

BNA_F

ClientSampleId :

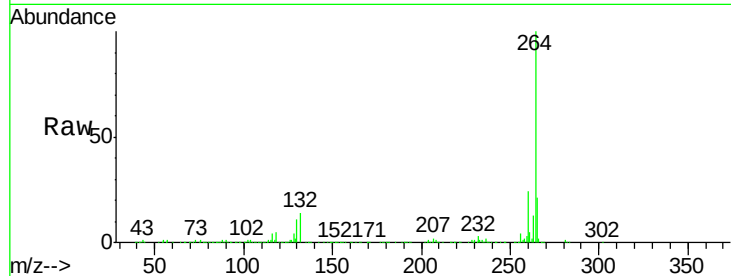
Tot Ion:264 Resp: 364220

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

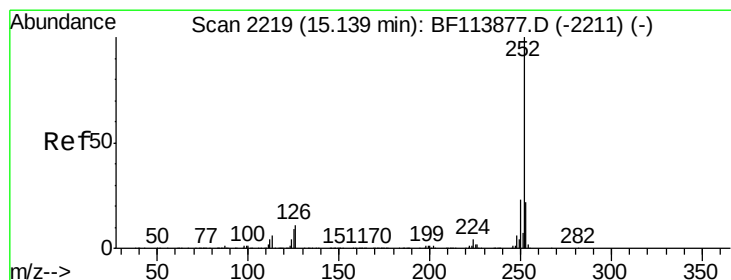
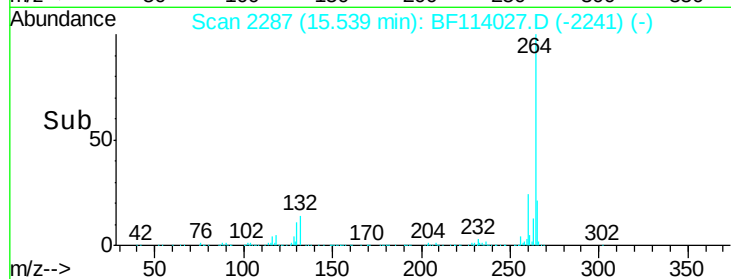
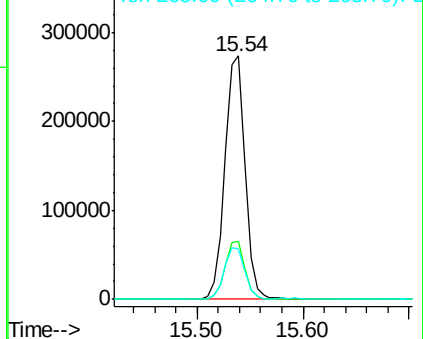
265 20.7 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.273 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.04 min

Lab File: BF114027.D

Acq: 29 Apr 2019 17:18

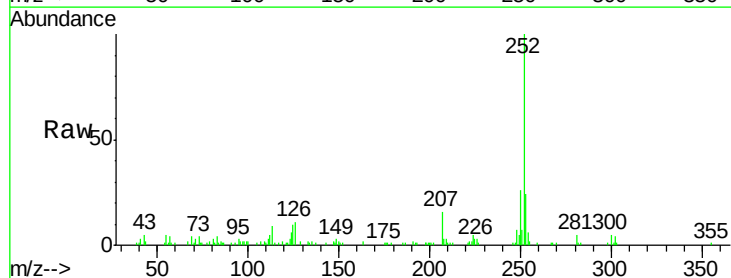
Tgt Ion:252 Resp: 75414

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

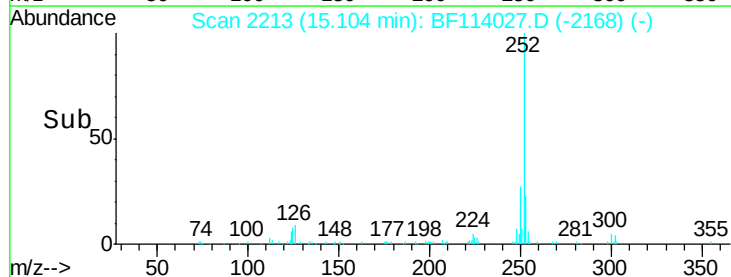
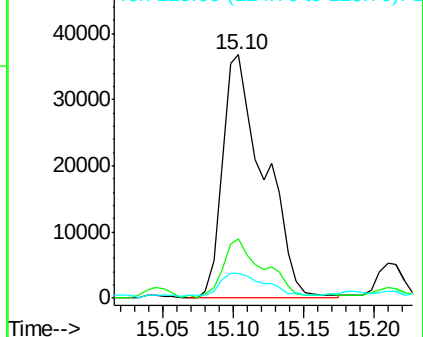
125 10.3 7.0 10.6

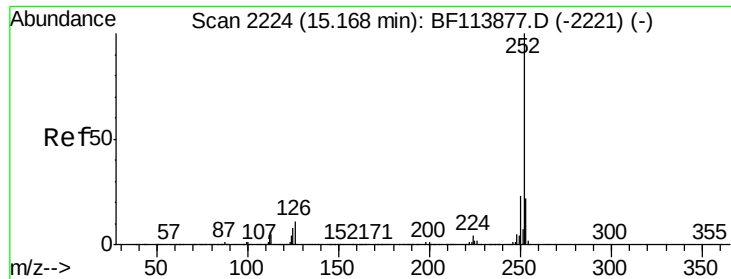


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 3.805 ng
 RT: 15.10 min Scan# 2213
 Delta R.T. -0.06 min
 Lab File: BF114027.D
 Acq: 29 Apr 2019 17:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	10.3	7.4	11.2

