

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114045.D
 Acq On : 30 Apr 2019 16:37
 Operator : JU/SJ
 Sample : K2194-05 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:03:22 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	121251	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	442318	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	204131	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	380832	20.00	ng	0.00
76) Chrysene-d12	14.06	240	301041	20.00	ng	-0.01
87) Perylene-d12	15.55	264	233179	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	323784	45.67	ng	0.00
7) Phenol-d6	6.52	99	433289	48.72	ng	0.00
23) Nitrobenzene-d5	7.45	82	238377	33.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	113640	45.70	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	500477	38.35	ng	-0.01
79) Terphenyl-d14	13.00	244	555447	37.83	ng	0.00

Target Compounds

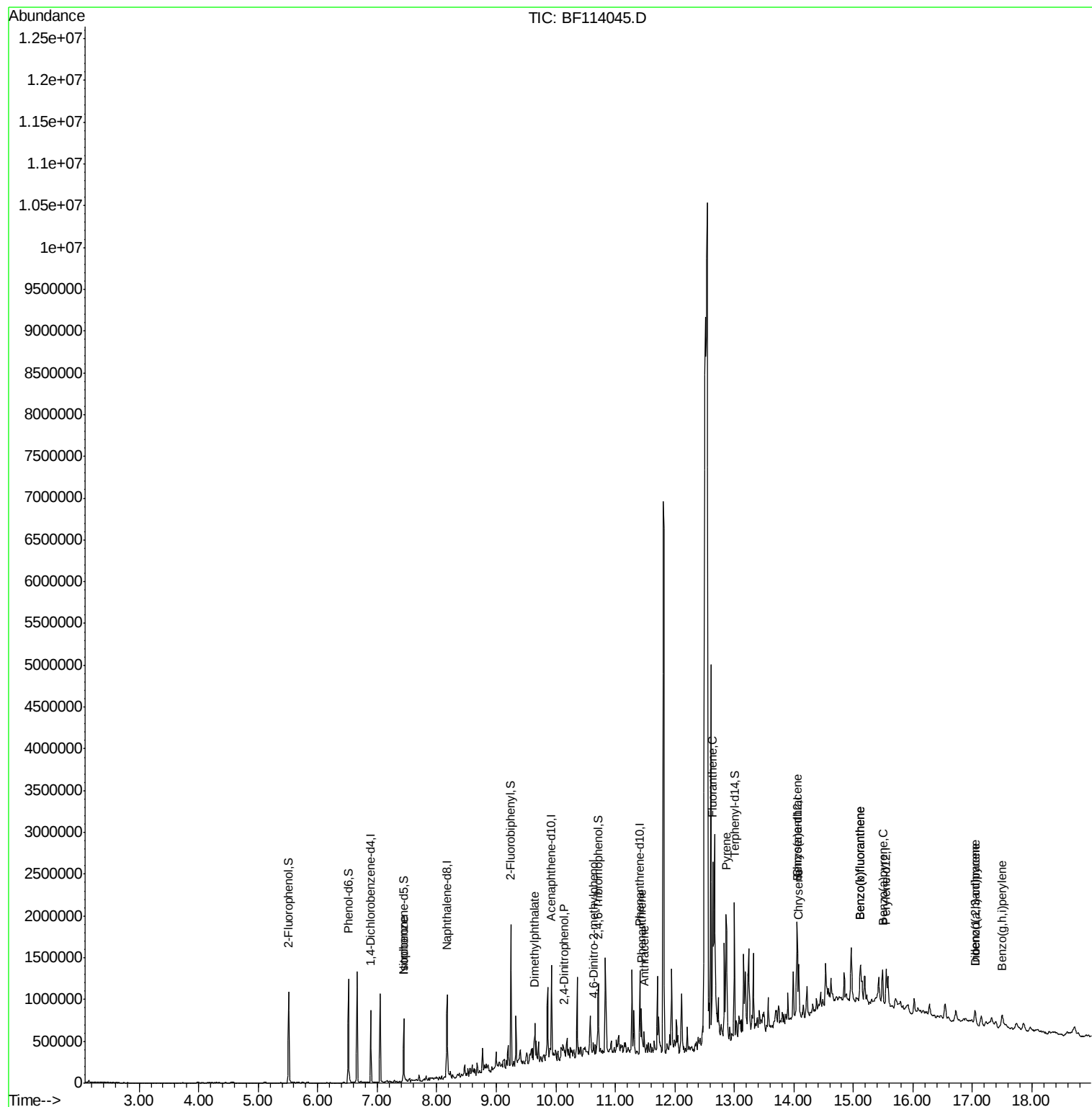
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	8384	Below Cal		84
25) Isophorone	7.45	82	234998	16.032	ng	# 65
50) Dimethylphthalate	9.63	163	68086	4.612	ng	# 98
54) 2,4-Dinitrophenol	10.15	184	222	8.464	ng	# 55
65) 4,6-Dinitro-2-methylphenol	10.63	198	271	7.440	ng	# 1
71) Phenanthrene	11.44	178	218886	11.437	ng	99
72) Anthracene	11.49	178	102756	5.317	ng	98
75) Fluoranthene	12.63	202	610817	29.252	ng	97
78) Pyrene	12.86	202	646493	30.709	ng	99
81) Benzo(a)anthracene	14.04	228	316798	17.861	ng	97
83) Chrysene	14.08	228	272093	15.752	ng	96
86) Indeno(1,2,3-cd)pyrene	17.04	276	110402	6.747	ng	# 93
88) Benzo(b)fluoranthene	15.12	252	358191	24.279	ng	# 93
89) Benzo(k)fluoranthene	15.12	252	358191	28.226	ng	# 94
90) Benzo(a)pyrene	15.49	252	211756	16.594	ng	96
91) Dibenzo(a,h)anthracene	17.05	278	29567	2.468	ng	# 68
92) Benzo(g,h,i)perylene	17.50	276	109347	9.046	ng	98

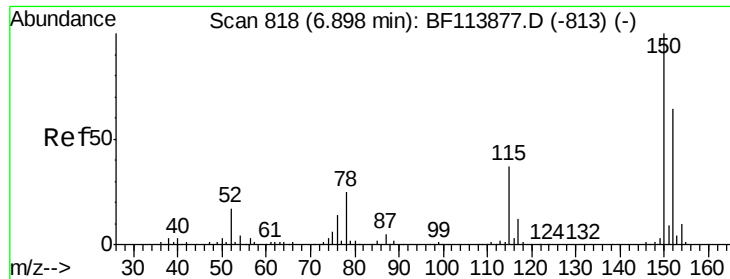
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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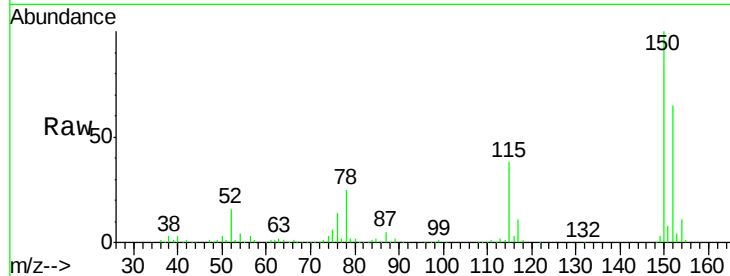


#1

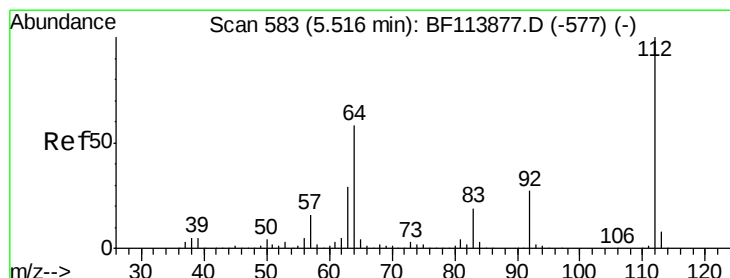
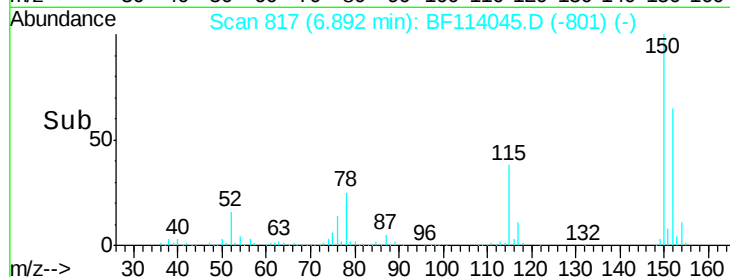
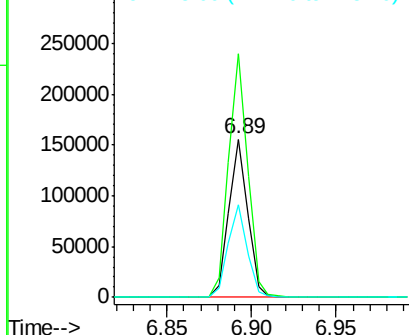
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	121251
Ion Ratio	100		
Lower	125.9		
Upper	188.9		
150	154.1		
115	59.0		
	45.9		
	68.9		



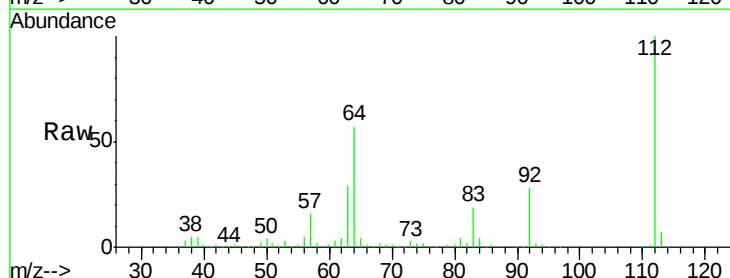
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



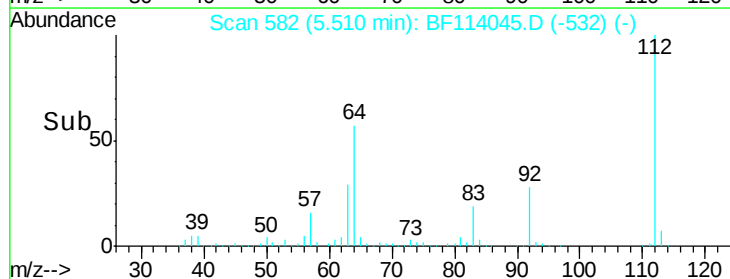
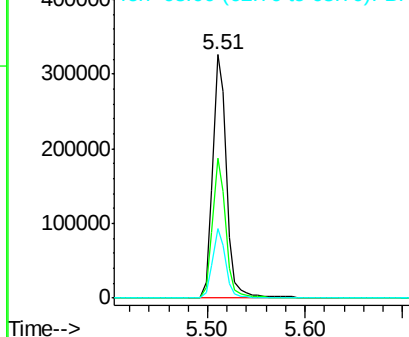
#5

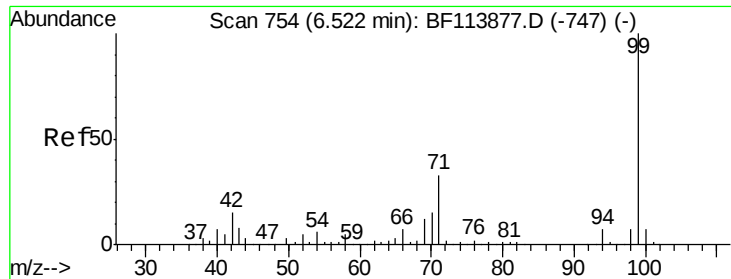
2-Fluorophenol
Concen: 45.673 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Tgt Ion	112	Resp	323784
Ion Ratio	100		
Lower	46.6		
Upper	69.8		
64	57.3		
63	28.7		
	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: 48.715 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

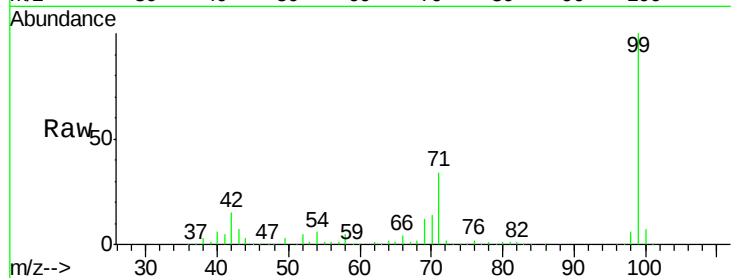
Tot Ion: 99 Resp: 433289

Ion Ratio Lower Upper

99 100

42 14.6 12.5 18.7

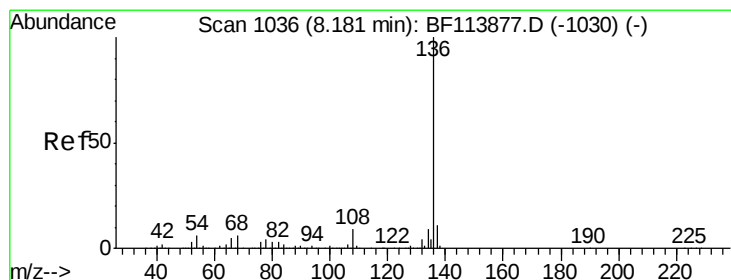
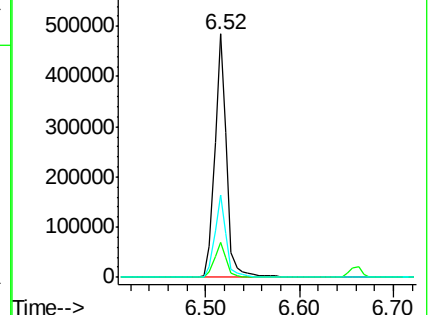
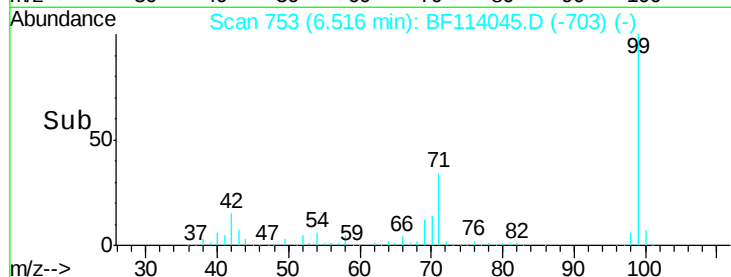
71 33.6 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Tgt Ion: 136 Resp: 442318

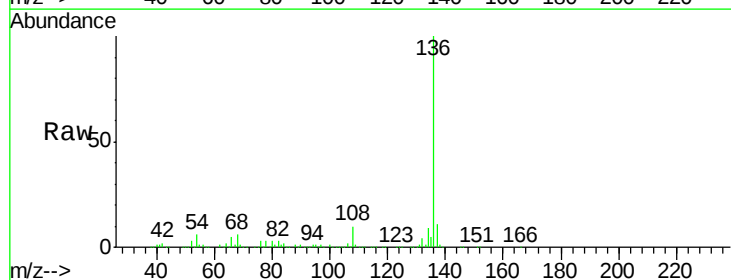
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.0 5.0 7.6

68 5.9 4.9 7.3

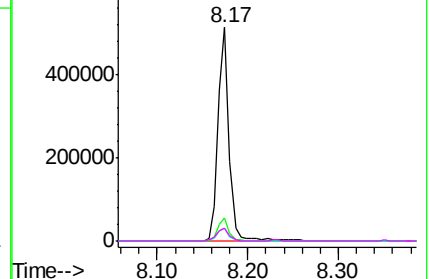
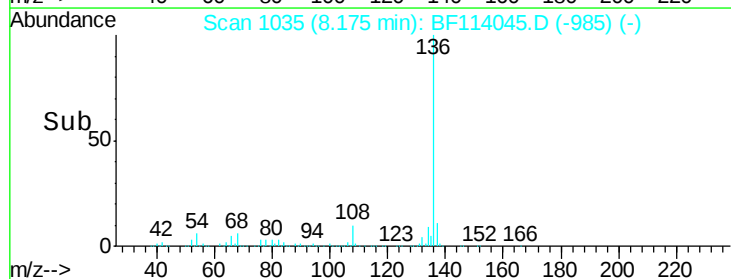


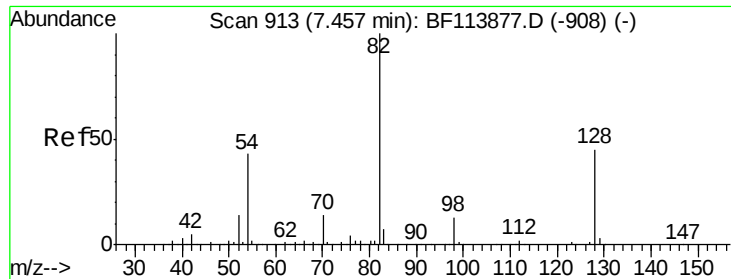
Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.275 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

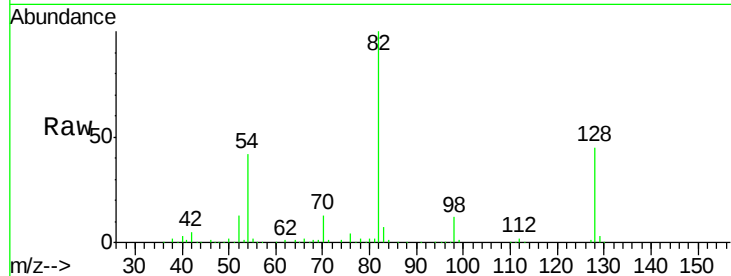
Tot Ion: 82 Resp: 238377

Ion Ratio Lower Upper

82 100

128 44.9 36.8 55.2

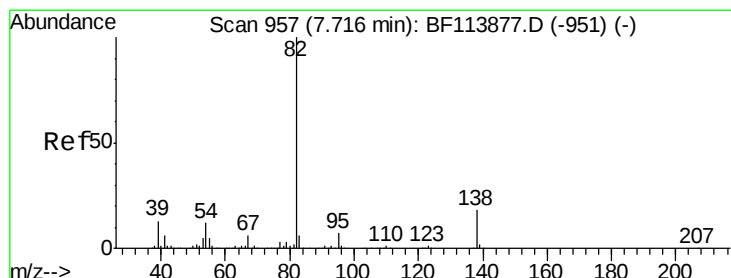
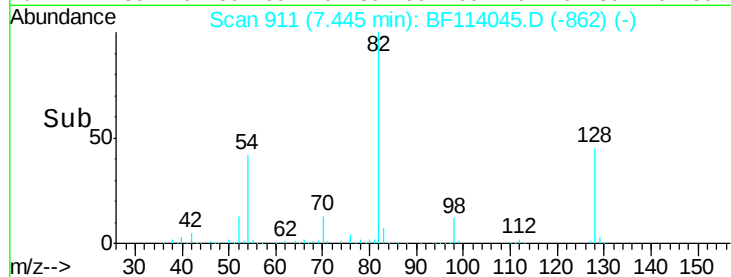
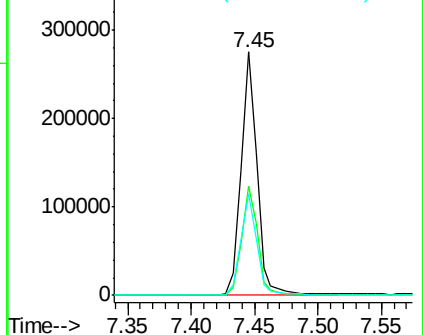
54 41.7 33.8 50.6



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: 16.032 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

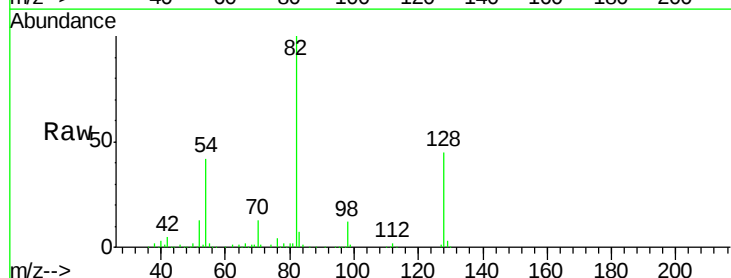
Tgt Ion: 82 Resp: 234998

Ion Ratio Lower Upper

82 100

95 0.3 5.4 8.2#

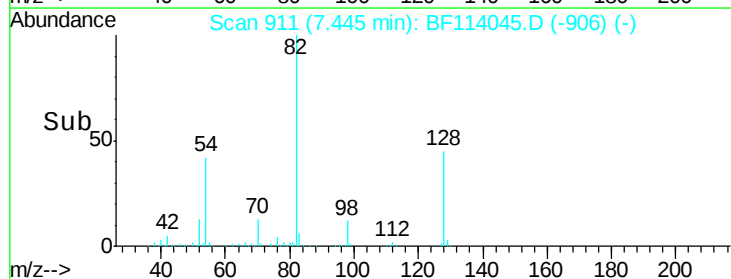
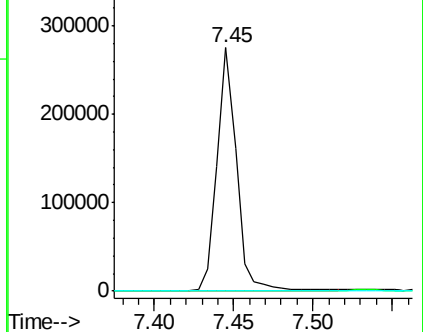
138 0.0 14.6 22.0#

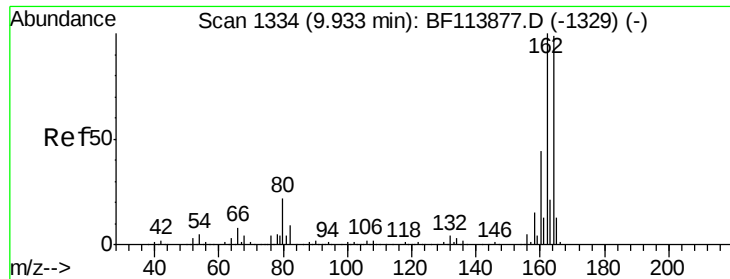


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

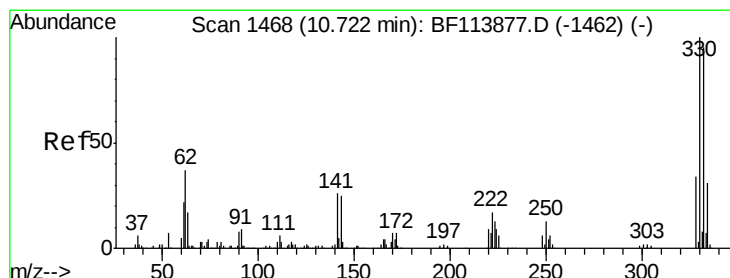
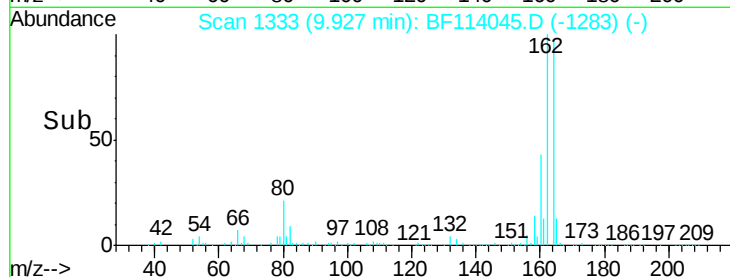
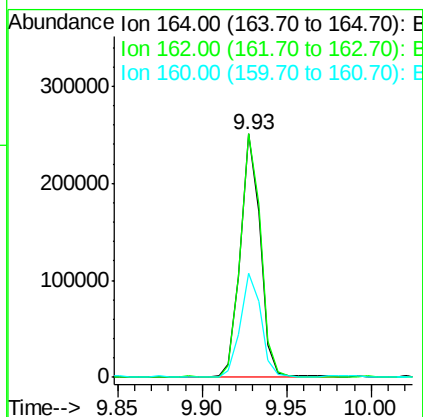
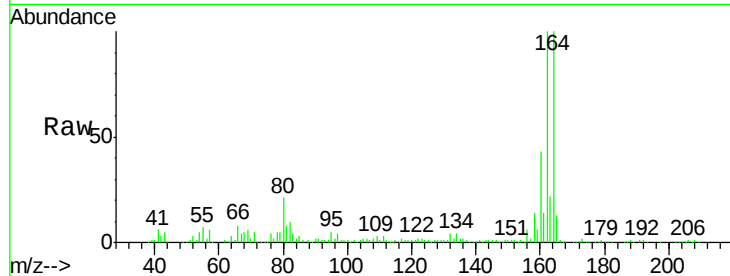




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

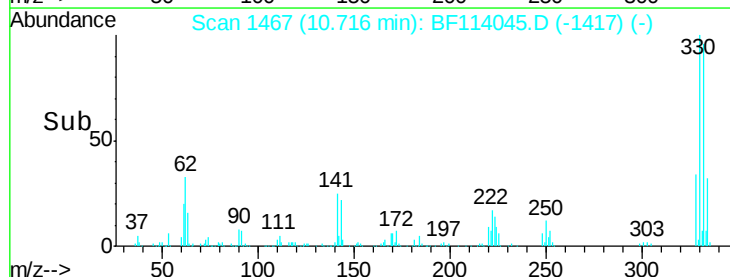
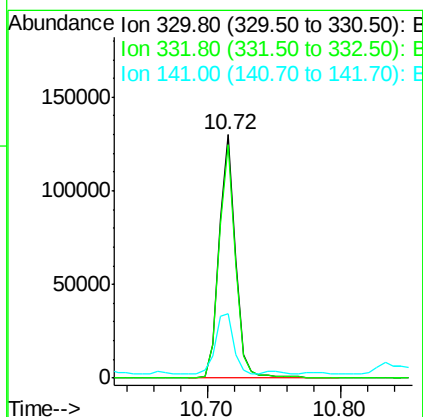
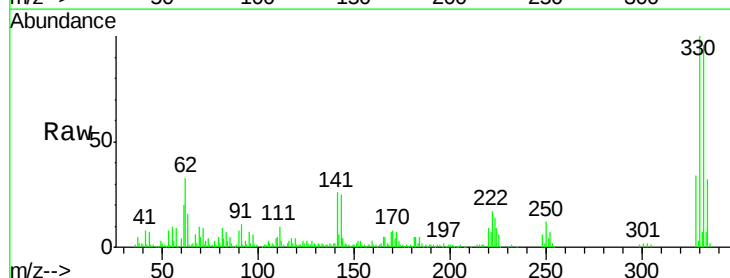
Instrument :
BNA_F
ClientSampleId :

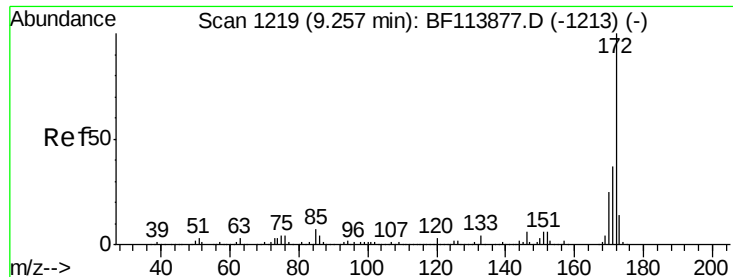
Tot Ion:164 Resp: 204131
Ion Ratio Lower Upper
164 100
162 99.9 81.1 121.7
160 42.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 45.699 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Tgt Ion:330 Resp: 113640
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 28.0 22.2 33.2

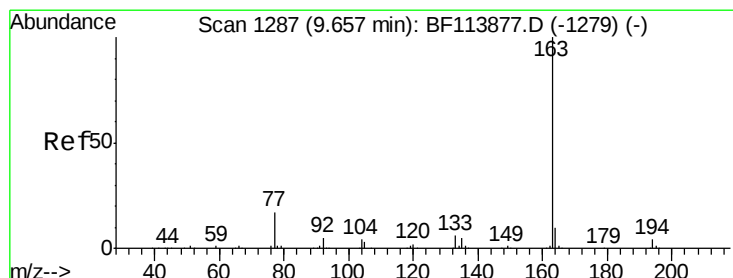
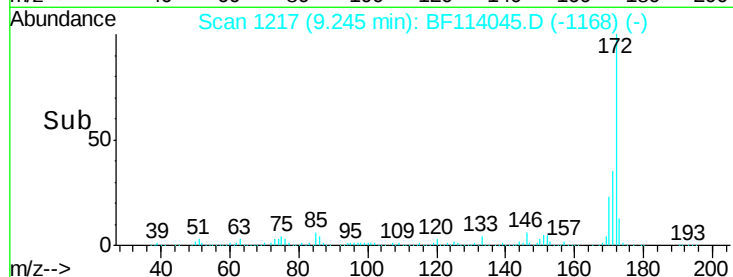
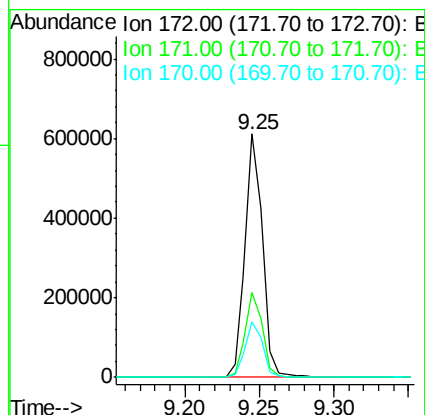
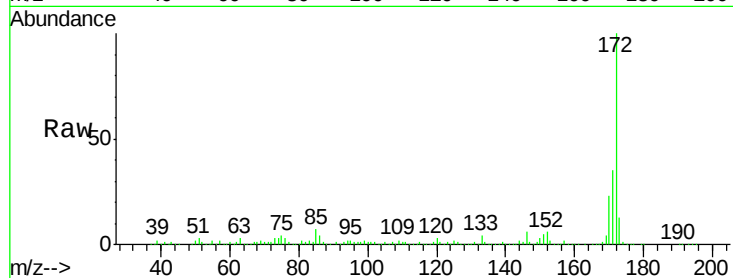




#45
2-Fluorobiphenyl
Concen: 38.346 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

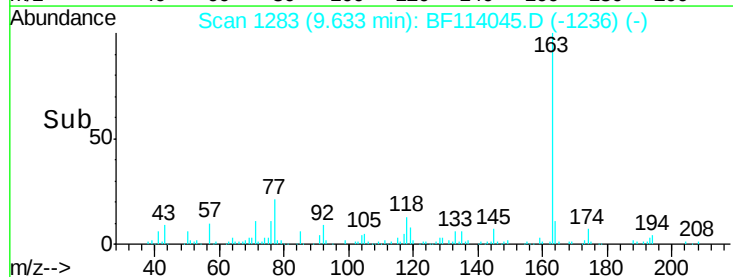
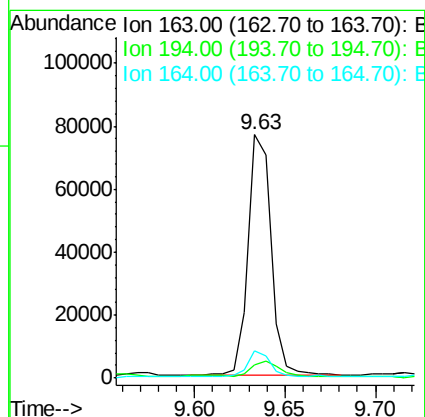
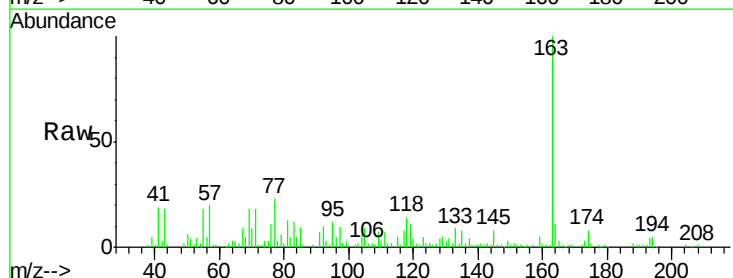
Instrument :
BNA_F
ClientSampleId :

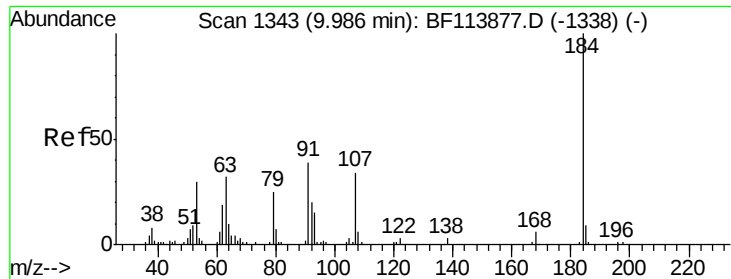
Tot Ion:172 Resp: 500477
Ion Ratio Lower Upper
172 100
171 34.7 29.4 44.0
170 23.0 19.9 29.9



#50
Dimethylphthalate
Concen: 4.612 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Tgt Ion:163 Resp: 68086
Ion Ratio Lower Upper
163 100
194 5.2 3.4 5.2#
164 11.3 8.5 12.7

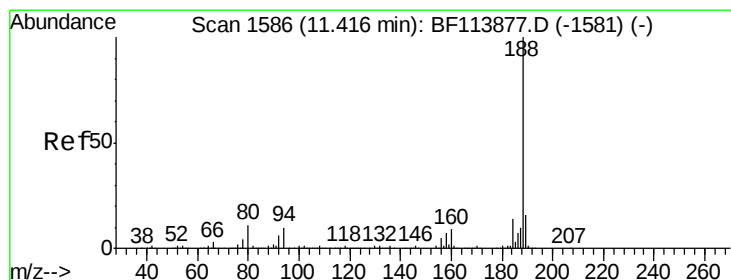
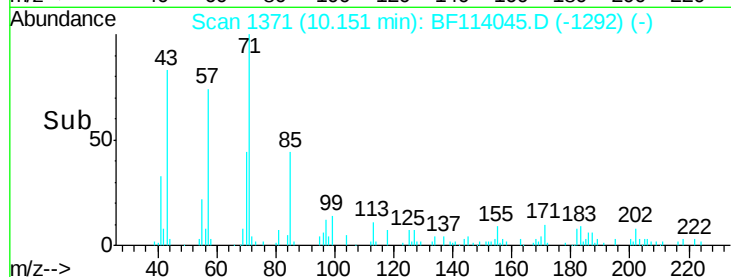
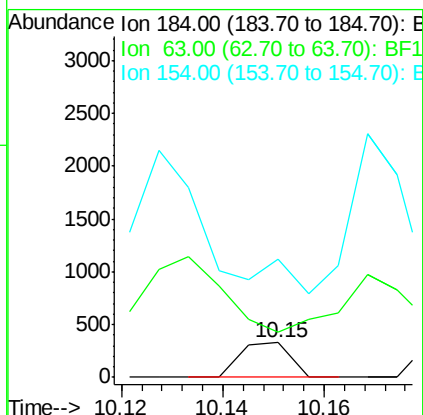
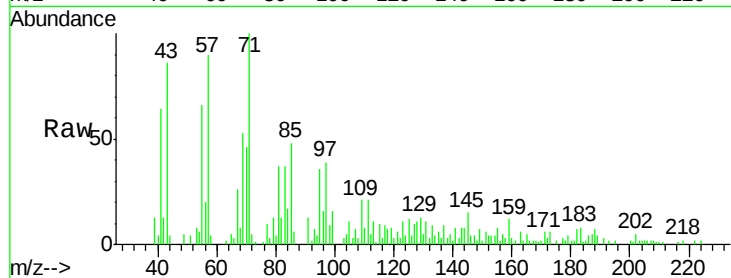




#54
 2,4-Dinitrophenol
 Concen: 8.464 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. 0.16 min
 Lab File: BF114045.D
 Acq: 30 Apr 2019 16:37

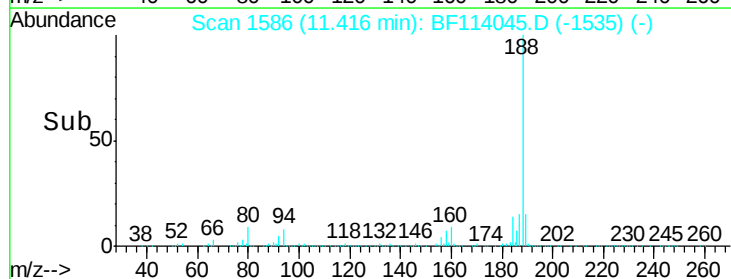
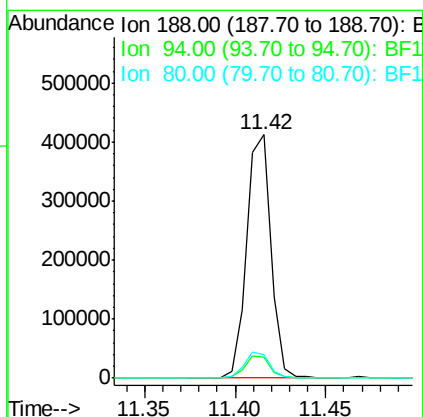
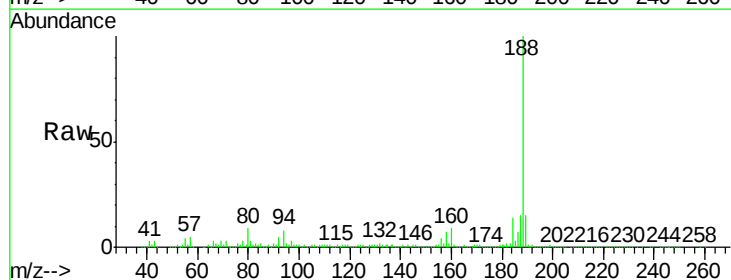
Instrument :
 BNA_F
 ClientSampleId :

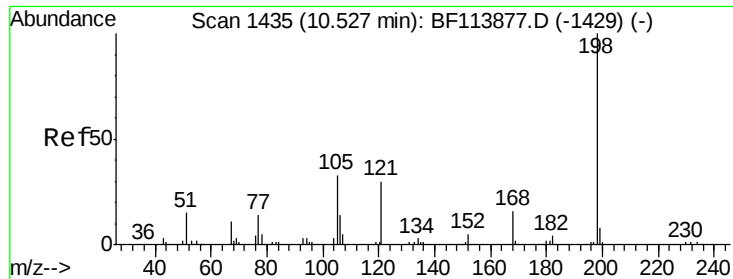
Tot Ion:184 Resp: 222
 Ion Ratio Lower Upper
 184 100
 63 130.6 54.6 81.8#
 154 341.3 218.6 328.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF114045.D
 Acq: 30 Apr 2019 16:37

Tgt Ion:188 Resp: 380832
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.2 12.4
 80 9.4 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.440 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.11 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

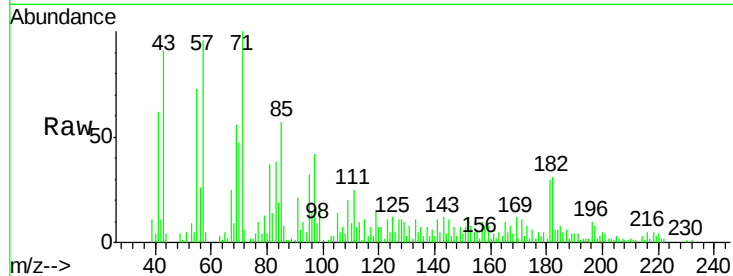
Tot Ion:198 Resp: 271

Ion Ratio Lower Upper

198 100

51 303.2 11.1 51.1#

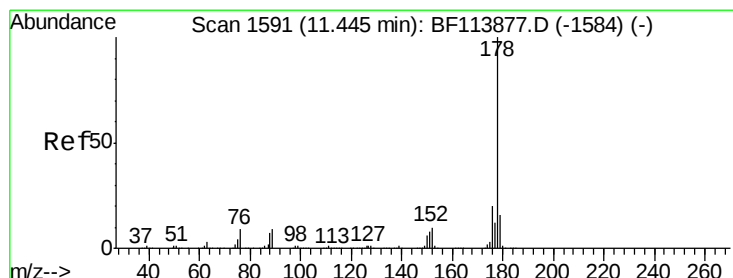
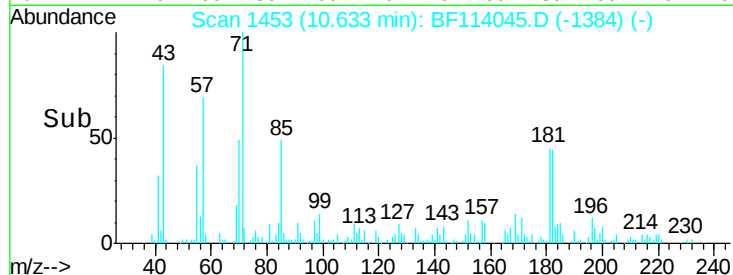
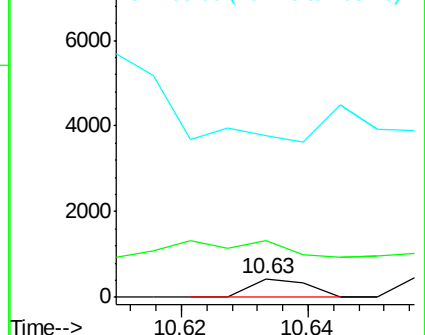
105 872.5 20.7 60.7#



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



#71

Phenanthrene

Concen: 11.437 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

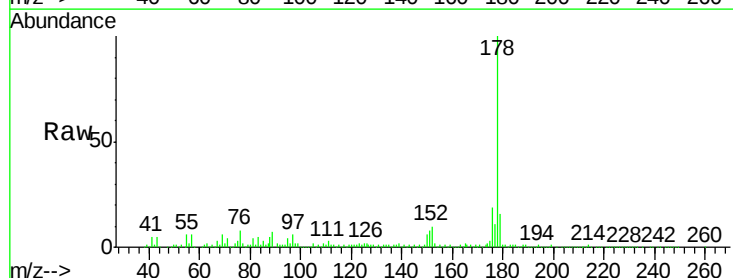
Tgt Ion:178 Resp: 218886

Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

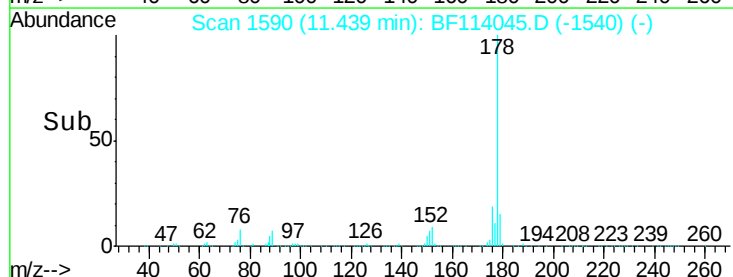
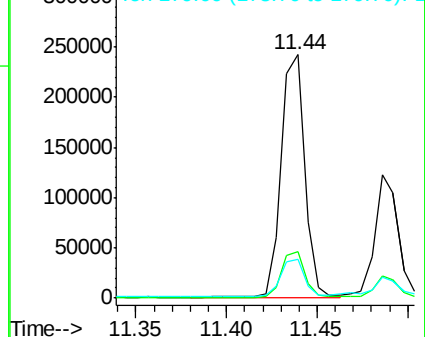
179 15.9 12.8 19.2

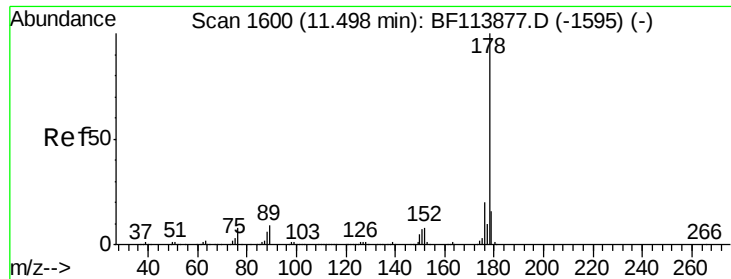


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.317 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

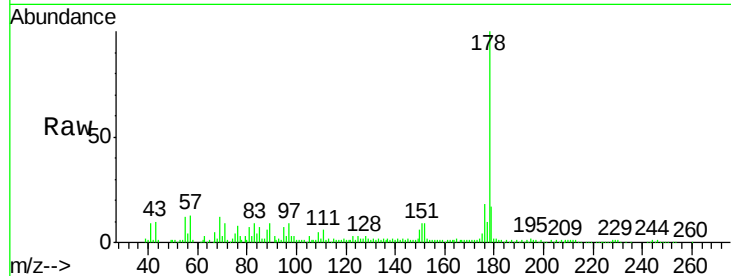
Tot Ion:178 Resp: 102756

Ion Ratio Lower Upper

178 100

176 18.1 15.7 23.5

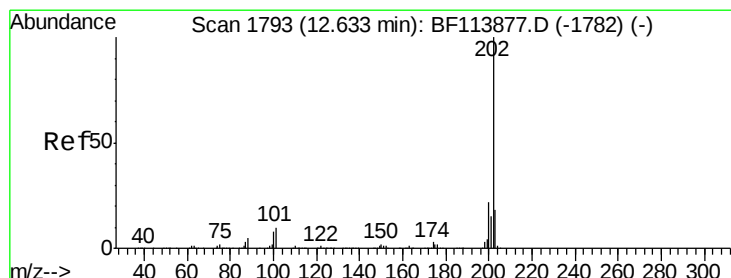
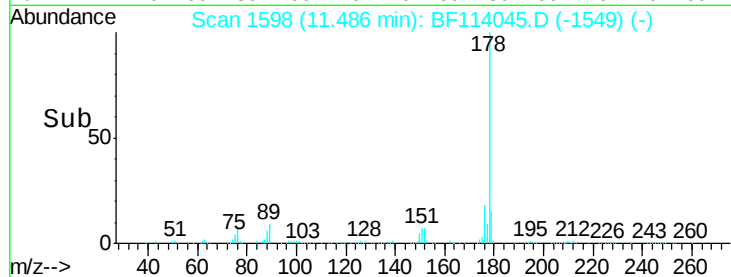
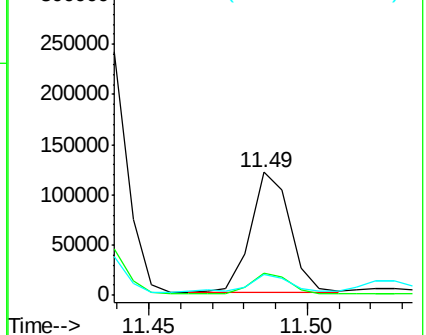
179 16.8 13.0 19.4



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: 29.252 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

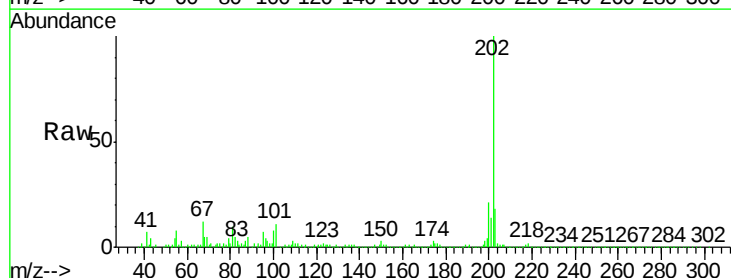
Tgt Ion:202 Resp: 610817

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.9

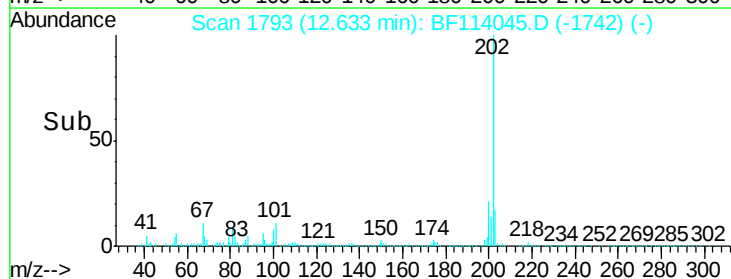
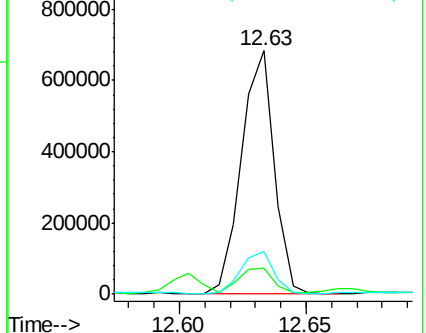
203 17.7 0.0 38.2

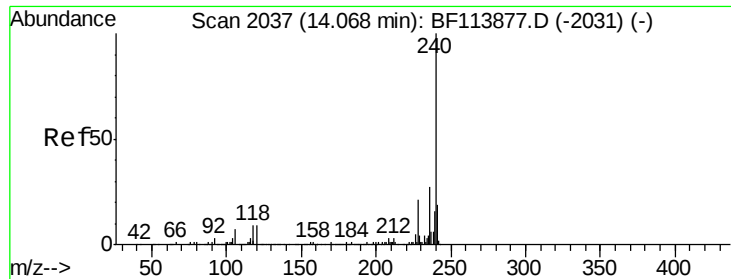


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

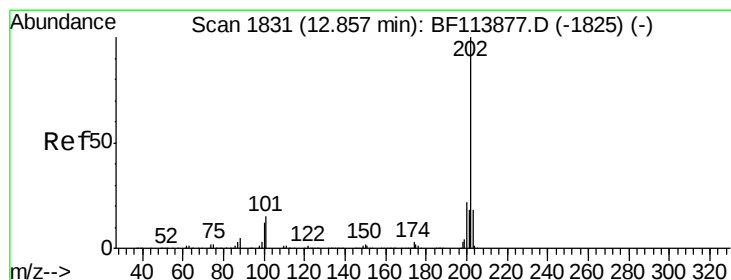
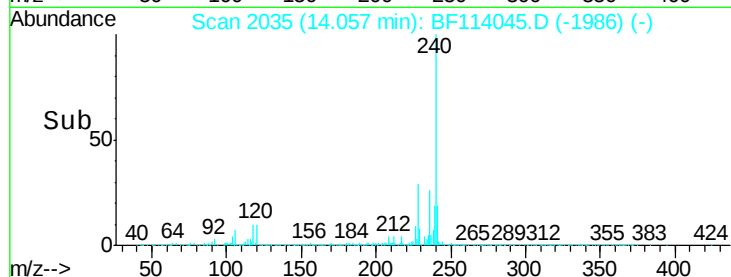
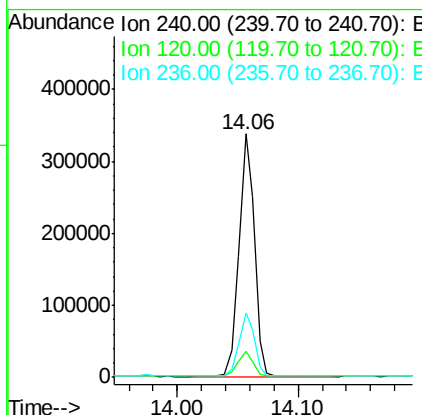
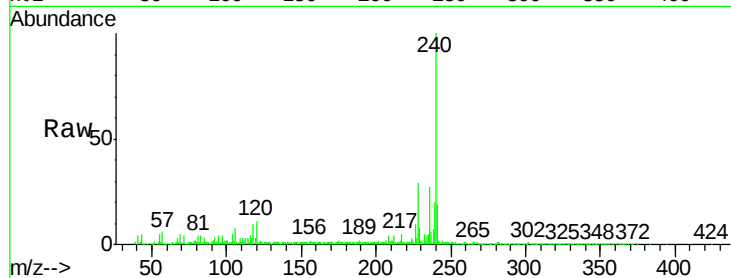




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

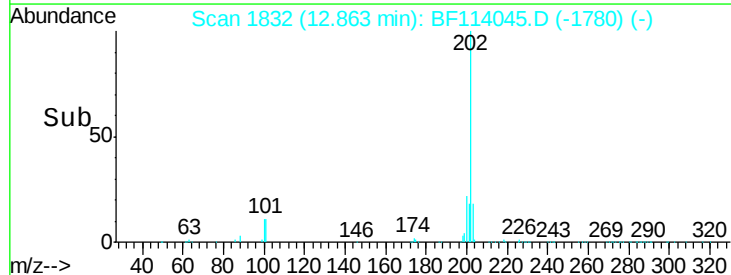
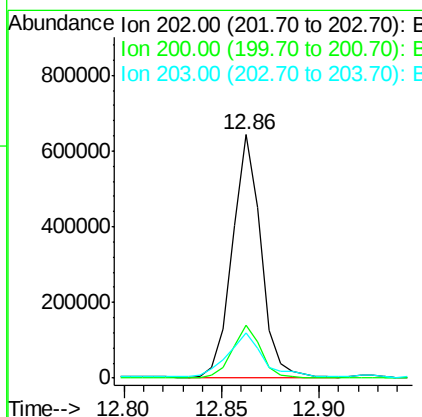
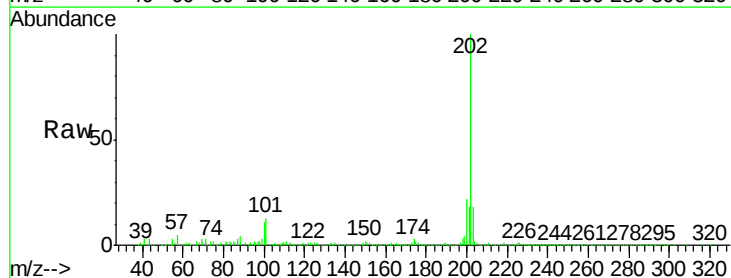
Instrument :
BNA_F
ClientSampleId :

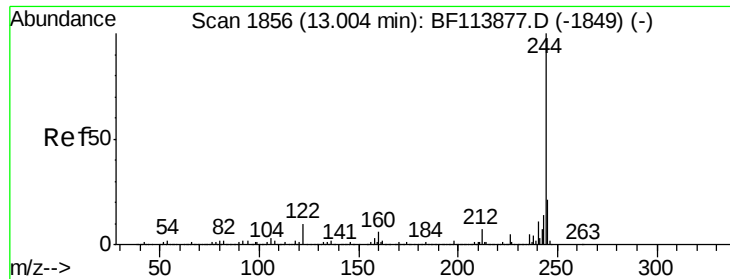
Tot Ion:240 Resp: 301041
Ion Ratio Lower Upper
240 100
120 10.7 9.3 13.9
236 26.7 21.2 31.8



#78
Pyrene
Concen: 30.709 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Tgt Ion:202 Resp: 646493
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 18.5 15.0 22.6





#79

Terphenyl-d14

Concen: 37.827 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

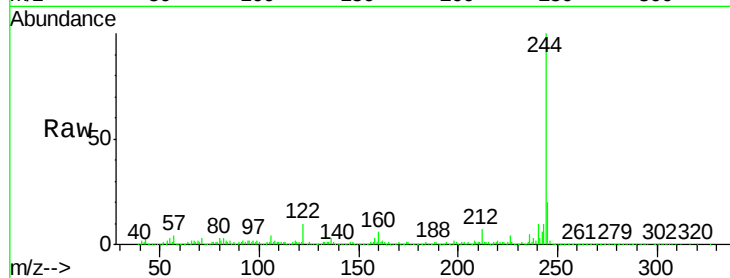
Tot Ion:244 Resp: 555447

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.5 7.6 11.4

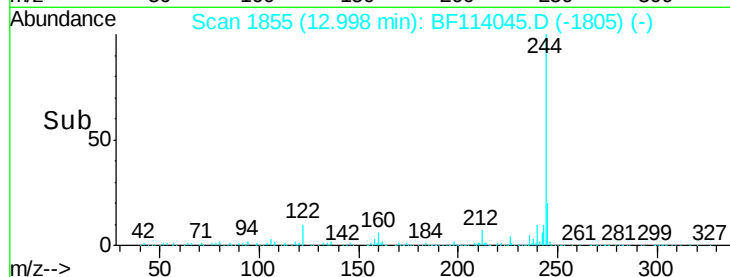


Abundance Ion 244.00 (243.70 to 244.70): E

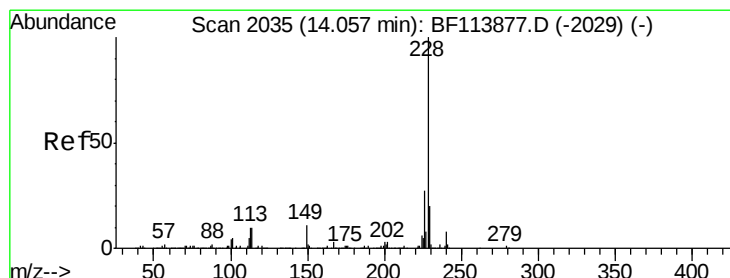
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#81

Benzo(a)anthracene

Concen: 17.861 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

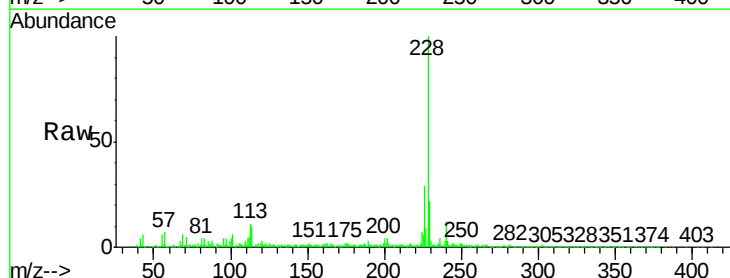
Tgt Ion:228 Resp: 316798

Ion Ratio Lower Upper

228 100

226 28.8 22.2 33.2

229 22.0 16.0 24.0

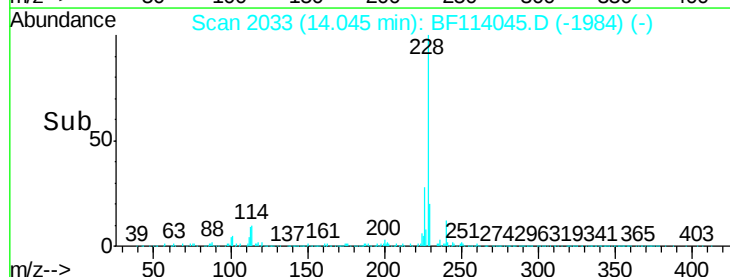


Abundance Ion 228.00 (227.70 to 228.70): E

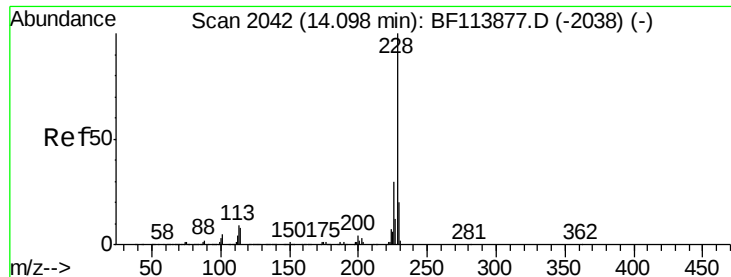
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



#83

Chrysene

Concen: 15.752 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

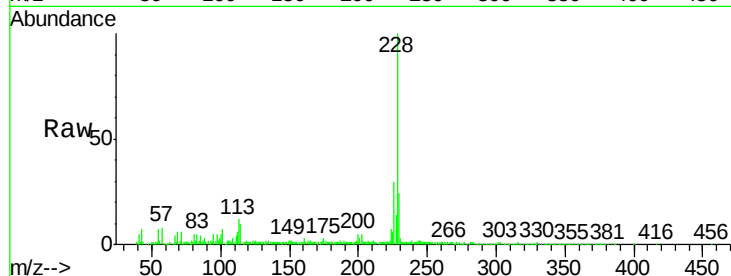
Tot Ion:228 Resp: 272093

Ion Ratio Lower Upper

228 100

226 30.1 25.2 37.8

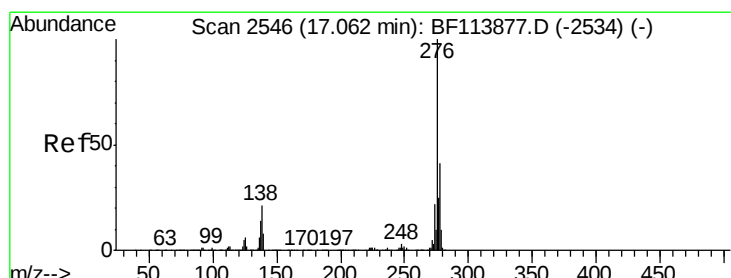
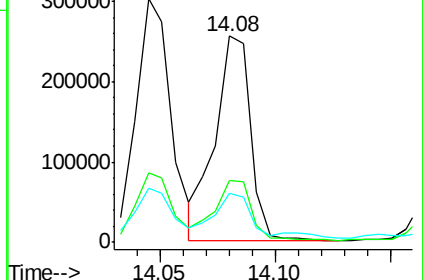
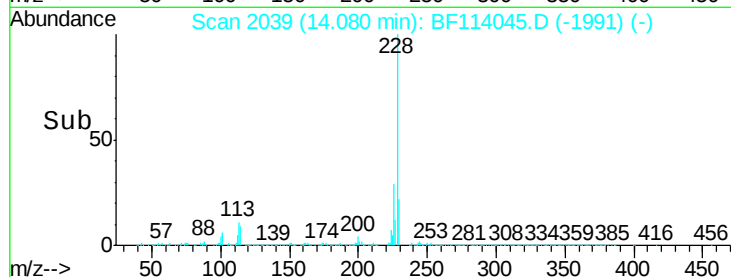
229 23.7 16.7 25.1



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

Indeno(1,2,3-cd)pyrene

Concen: 6.747 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.02 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

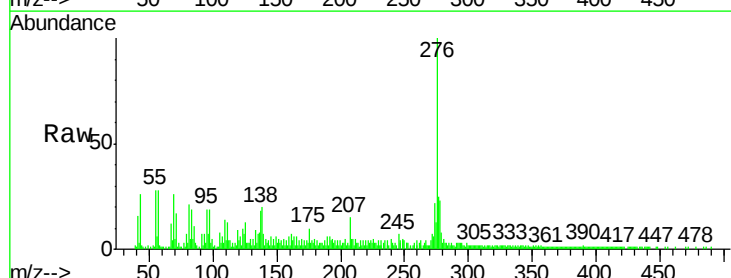
Tgt Ion:276 Resp: 110402

Ion Ratio Lower Upper

276 100

138 19.5 19.6 29.4#

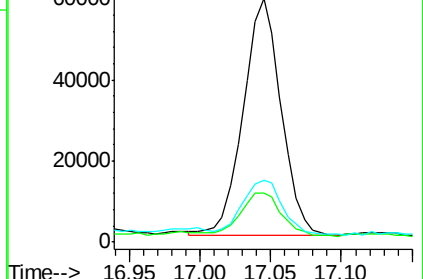
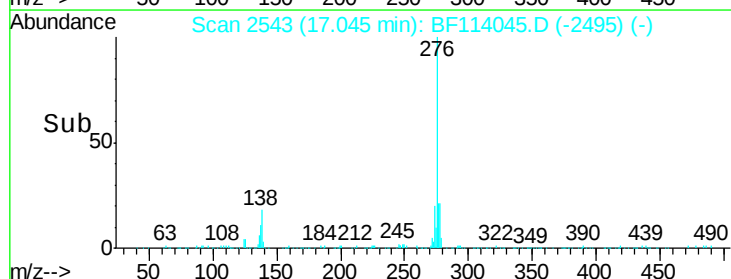
277 23.6 20.2 30.4

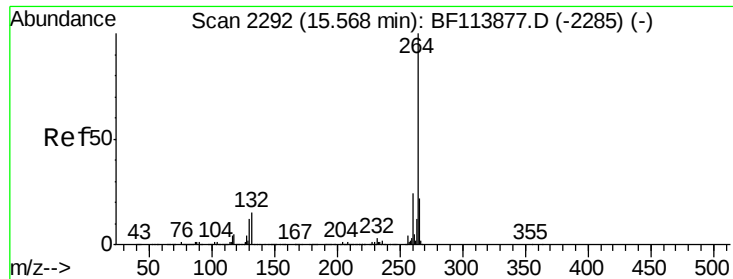


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

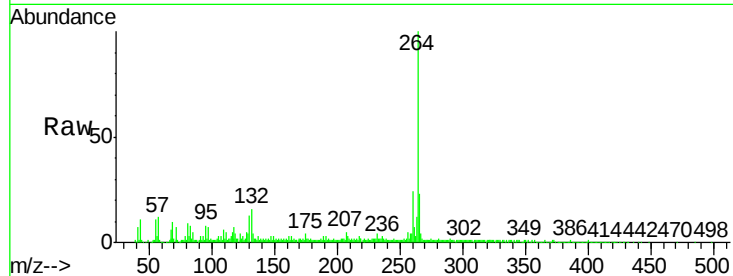
Tot Ion:264 Resp: 233179

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

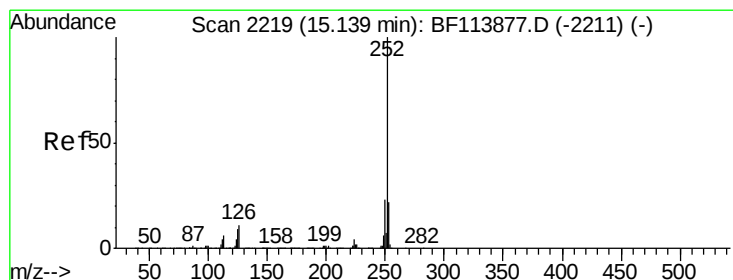
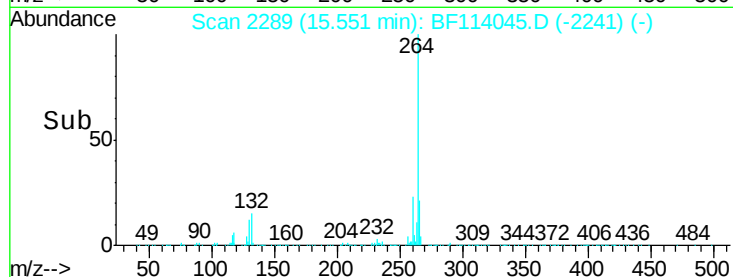
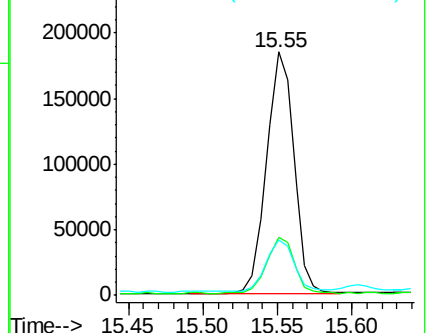
265 22.7 17.3 25.9



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: 24.279 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

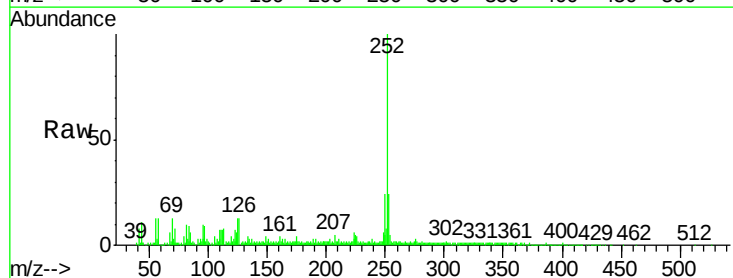
Tgt Ion:252 Resp: 358191

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

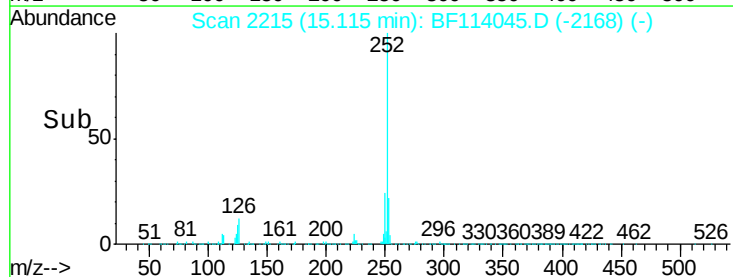
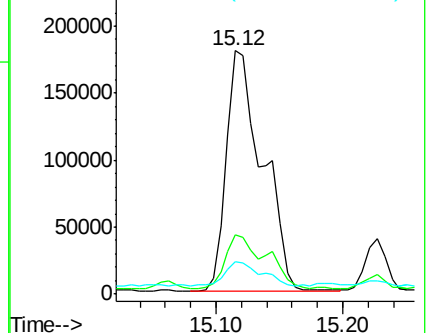
125 13.3 7.0 10.6#

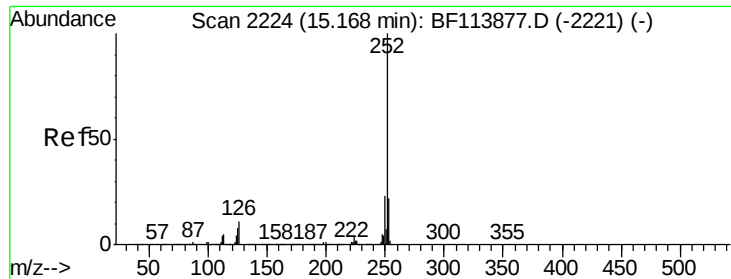


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

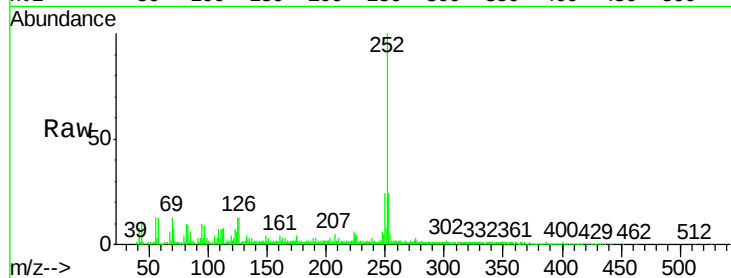




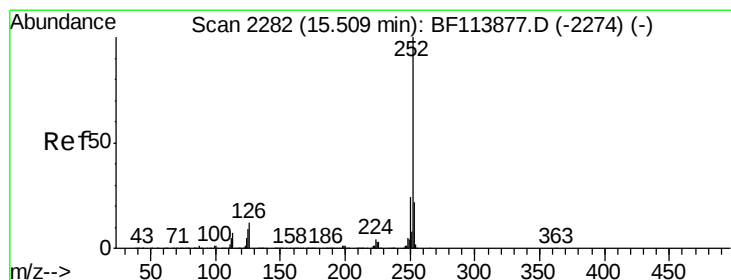
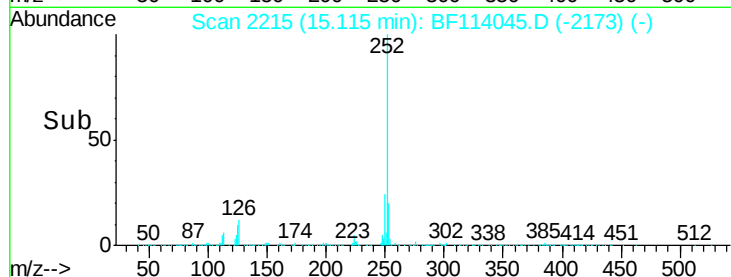
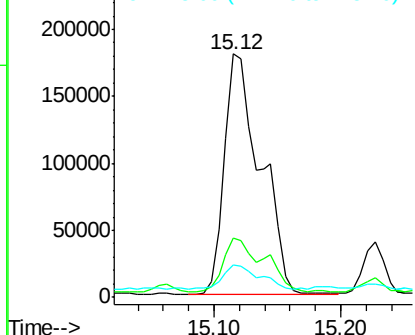
#89
Benzo(k)fluoranthene
Concen: 28.226 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	13.3	7.4	11.2

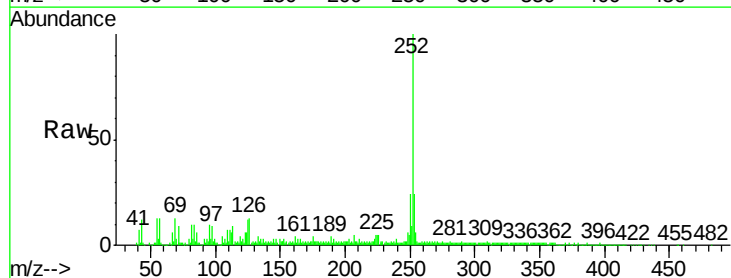


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

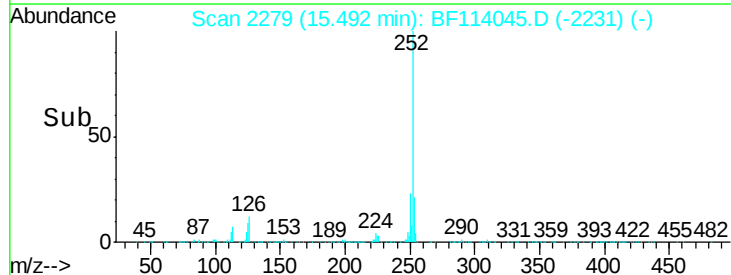
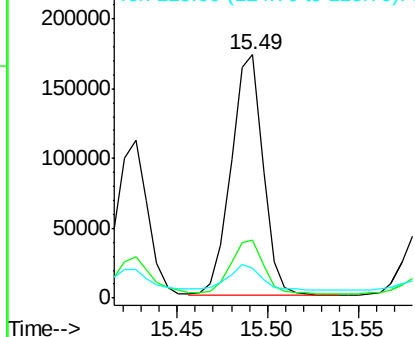


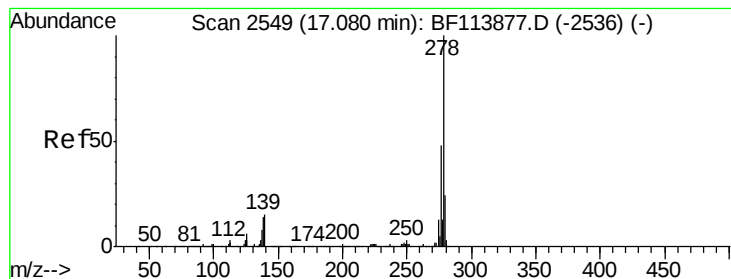
#90
Benzo(a)pyrene
Concen: 16.594 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF114045.D
Acq: 30 Apr 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	12.2	8.5	12.7



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





#91

Dibenzo(a,h)anthracene

Concen: 2.468 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.03 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

Instrument :

BNA_F

ClientSampleId :

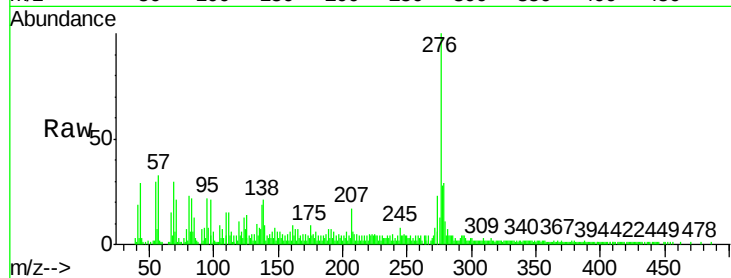
Tot Ion:278 Resp: 29567

Ion Ratio Lower Upper

278 100

139 29.5 11.6 17.4#

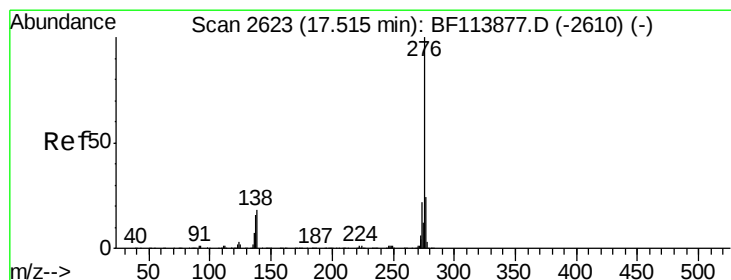
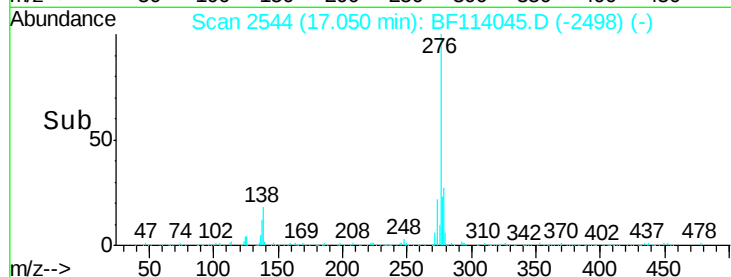
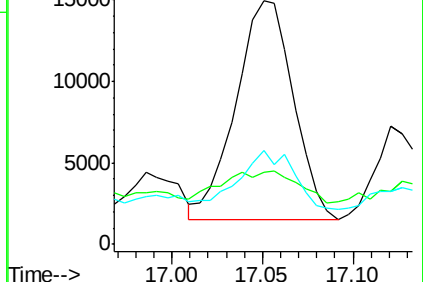
279 38.3 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.046 ng

RT: 17.50 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF114045.D

Acq: 30 Apr 2019 16:37

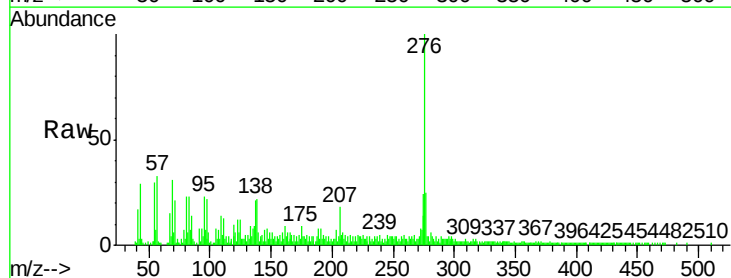
Tgt Ion:276 Resp: 109347

Ion Ratio Lower Upper

276 100

277 25.1 19.0 28.4

138 21.7 16.6 25.0



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

