

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114065.D
 Acq On : 1 May 2019 13:28
 Operator : JU/SJ
 Sample : K2194-11RE 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 14:56:14 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	6.90	152	112598	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	439577	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	221790	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	400589	20.00	ng	0.00
76) Chrysene-d12	14.07	240	316036	20.00	ng	0.00
87) Perylene-d12	15.59	264	231297	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	337988	51.34	ng	0.00
7) Phenol-d6	6.52	99	454872	55.07	ng	0.00
23) Nitrobenzene-d5	7.45	82	263316	36.99	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	135516	50.16	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	552283	38.95	ng	0.00
79) Terphenyl-d14	13.02	244	563155	36.53	ng	0.01

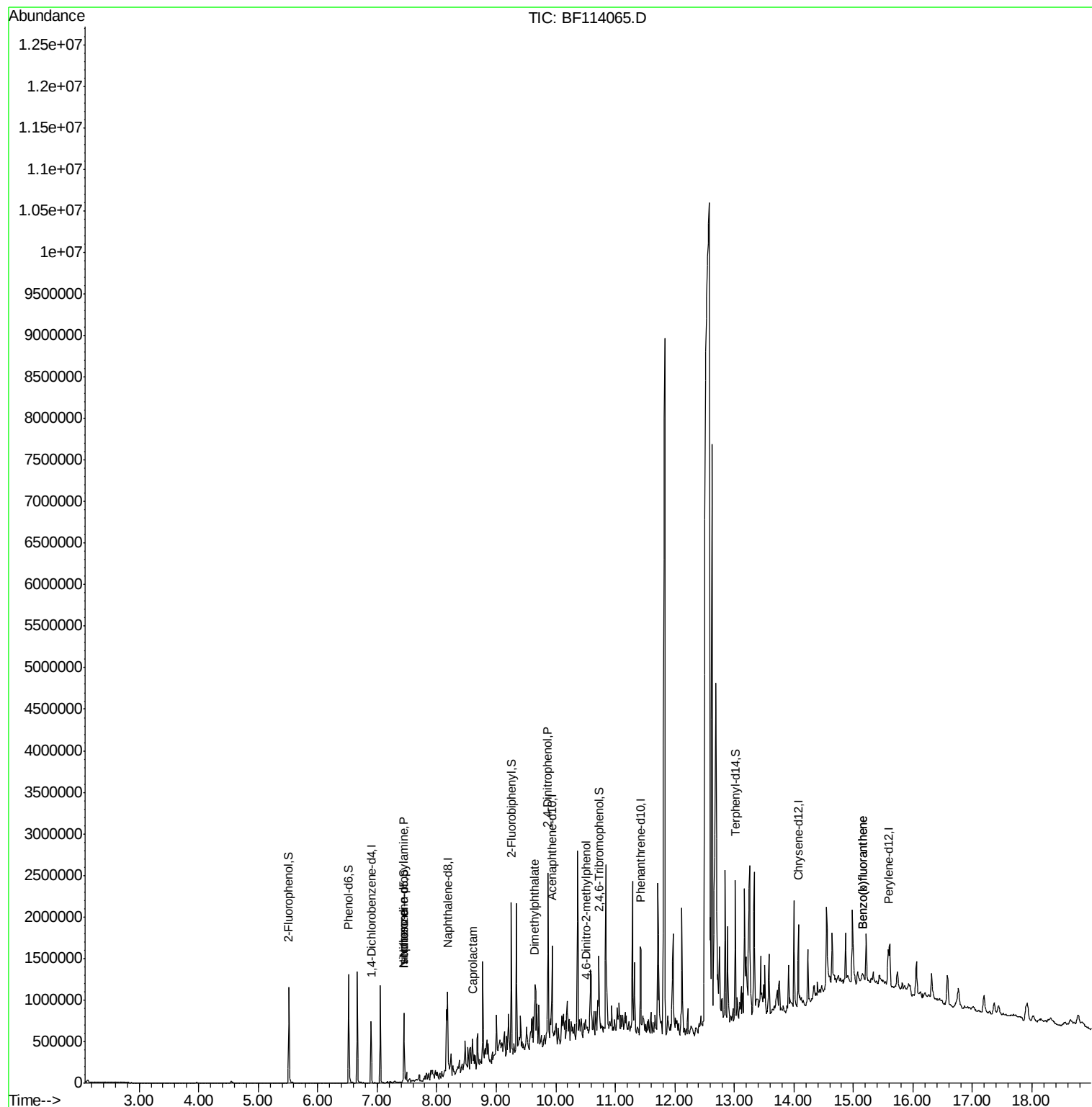
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	651	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	36437	6.812	ng	# 77
25) Isophorone	7.45	82	260110	17.856	ng	# 65
35) Caprolactam	8.60	113	8661	4.072	ng	# 2
50) Dimethylphthalate	9.64	163	79459	4.954	ng	# 98
54) 2,4-Dinitrophenol	9.87	184	111	8.386	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.51	198	110	7.359	ng	# 1
88) Benzo(b)fluoranthene	15.14	252	32437	2.217	ng	# 26
89) Benzo(k)fluoranthene	15.14	252	32437	2.577	ng	# 27

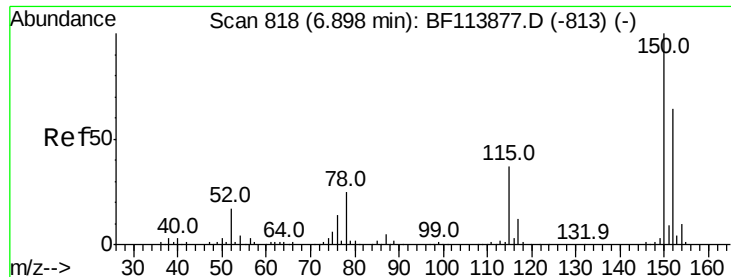
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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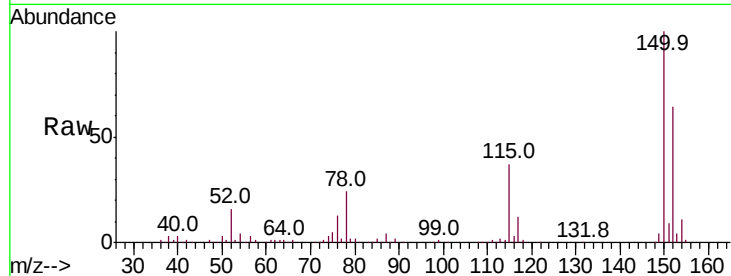


#1

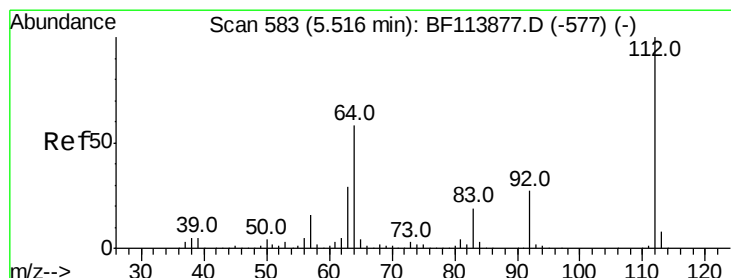
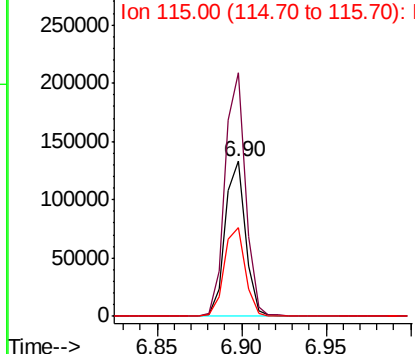
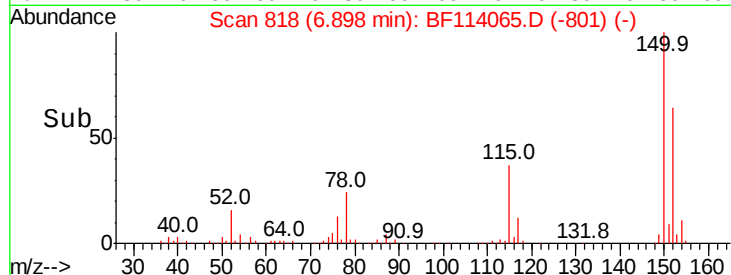
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF114065.D
Acq: 1 May 2019 13:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112598
Ion Ratio Lower Upper
152 100
150 157.0 125.9 188.9
115 57.5 45.9 68.9



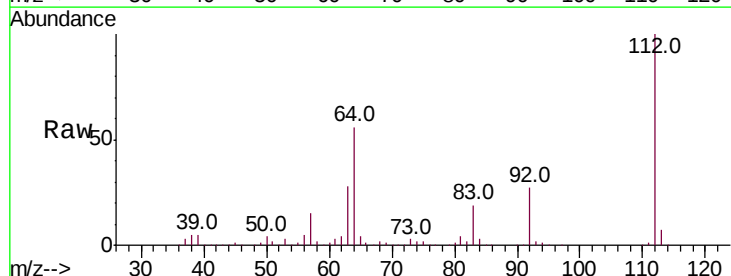
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



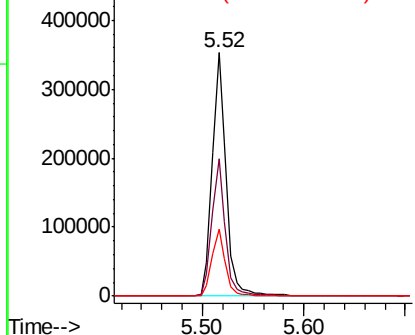
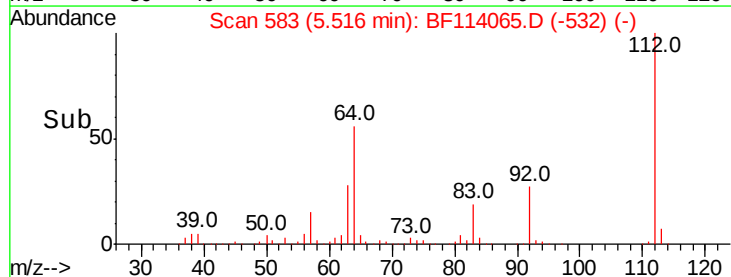
#5

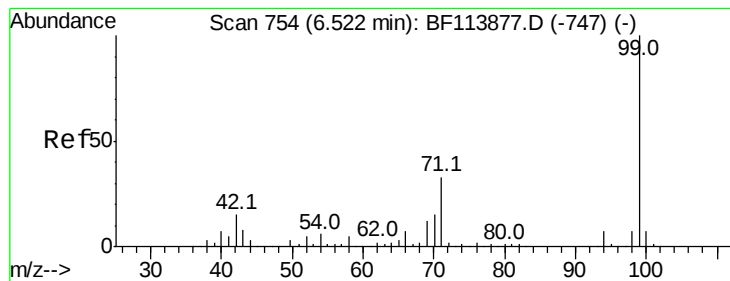
2-Fluorophenol
Concen: 51.340 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF114065.D
Acq: 1 May 2019 13:28

Tgt Ion:112 Resp: 337988
Ion Ratio Lower Upper
112 100
64 56.3 46.6 69.8
63 27.7 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: 55.072 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

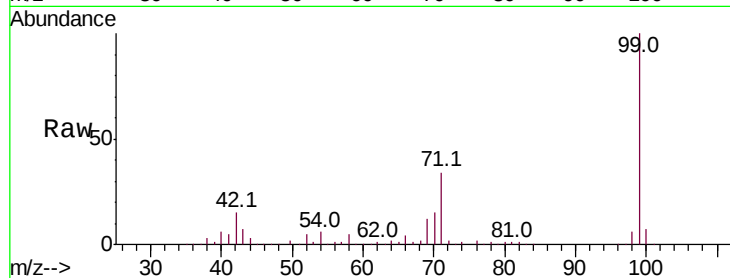
Tot Ion: 99 Resp: 454872

Ion Ratio Lower Upper

99 100

42 15.0 12.5 18.7

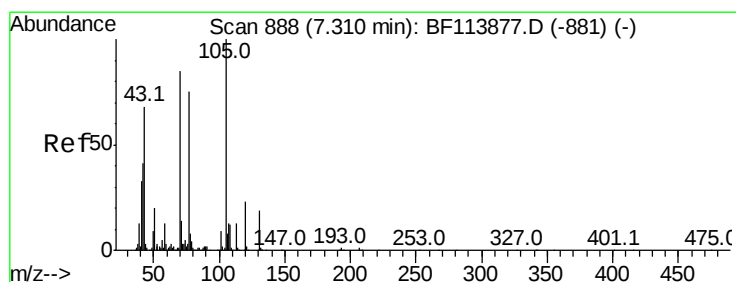
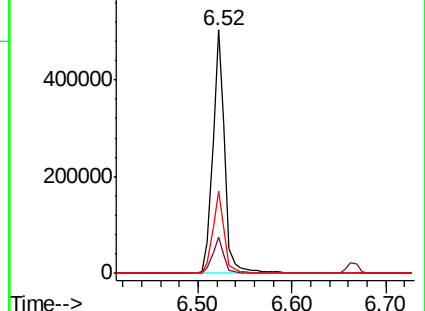
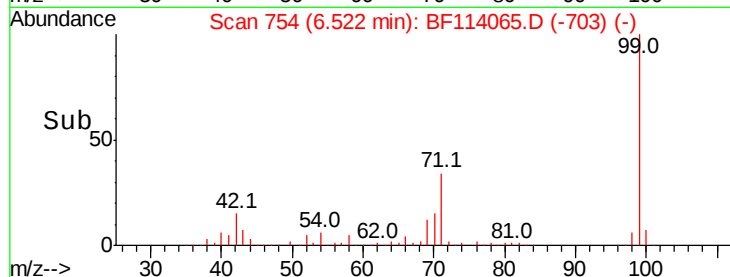
71 33.7 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.812 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Tgt Ion: 70 Resp: 36437

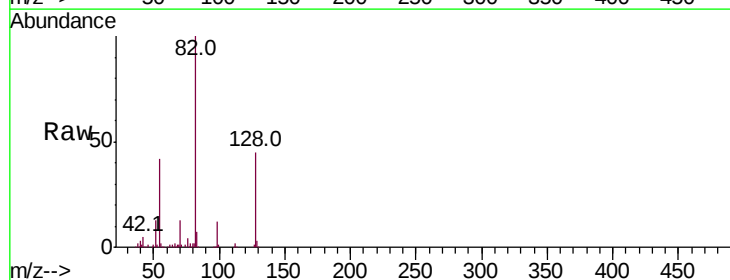
Ion Ratio Lower Upper

70 100

42 38.8 37.3 55.9

101 0.0 7.8 11.8#

130 1.8 18.2 27.2#

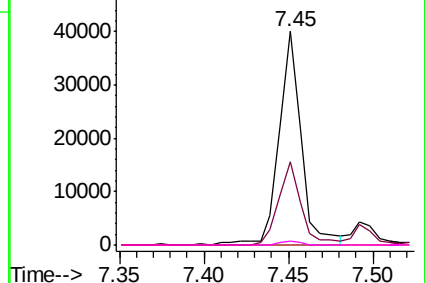
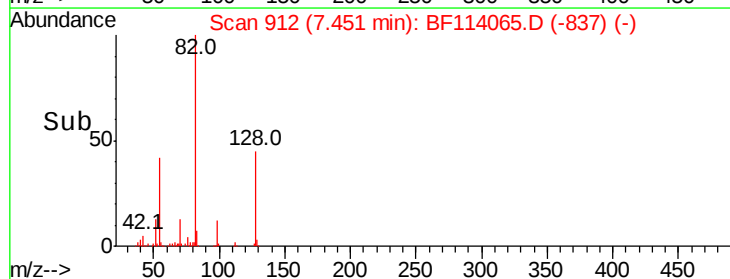


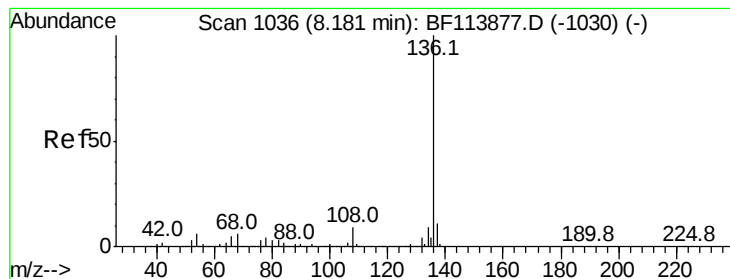
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 439577

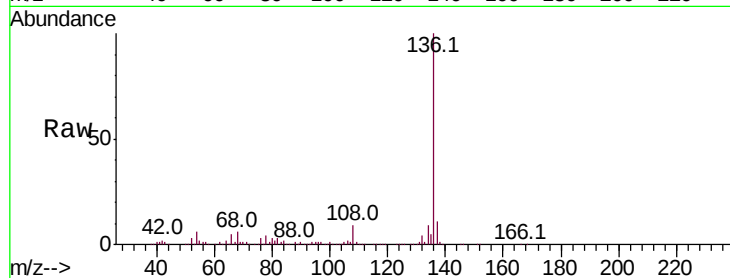
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 5.8 5.0 7.6

68 6.0 4.9 7.3

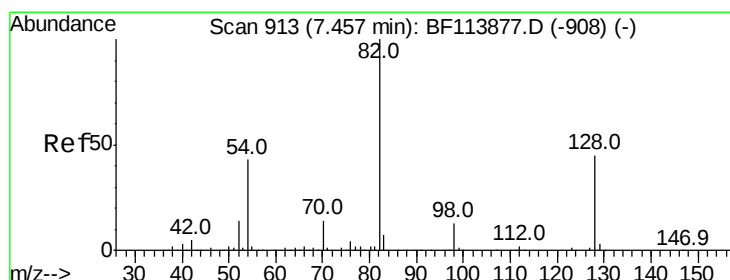
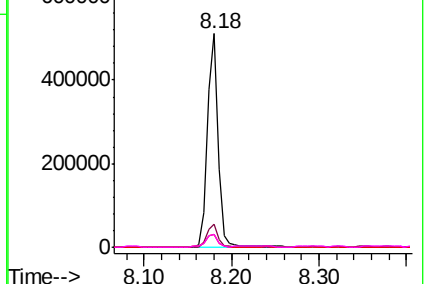
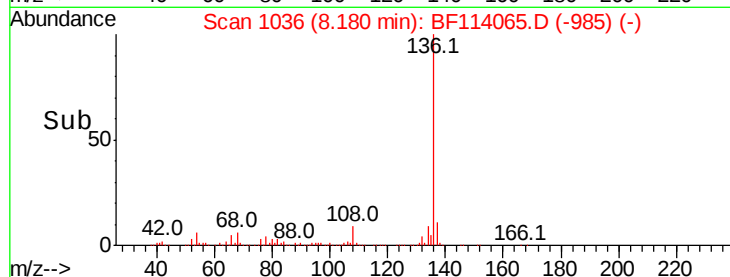


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.986 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

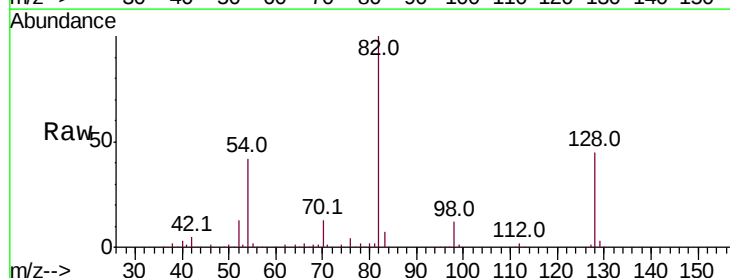
Tgt Ion: 82 Resp: 263316

Ion Ratio Lower Upper

82 100

128 45.3 36.8 55.2

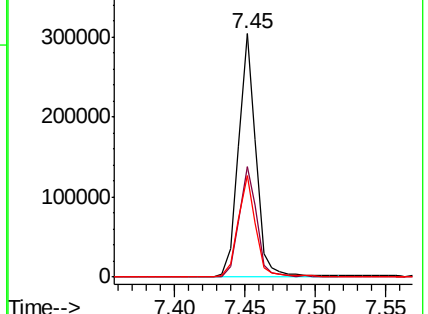
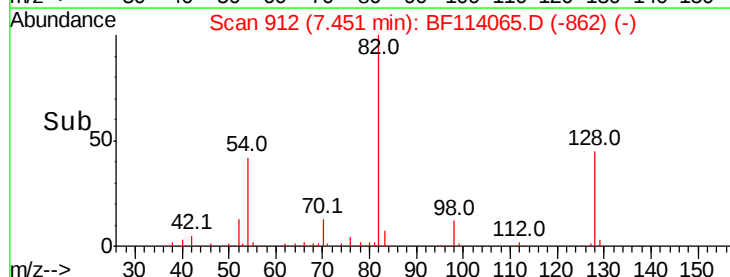
54 42.0 33.8 50.6

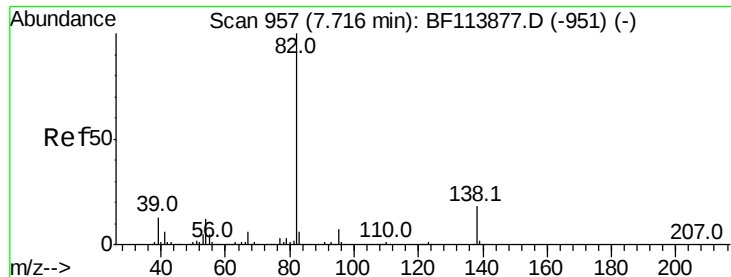


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.856 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

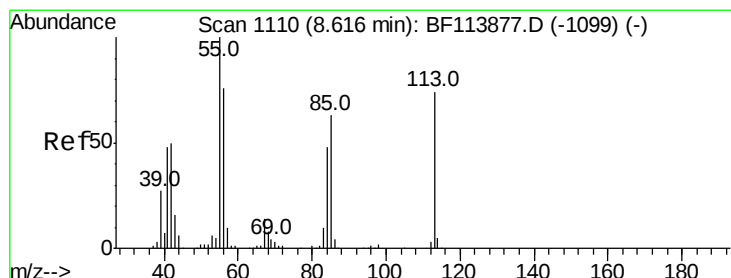
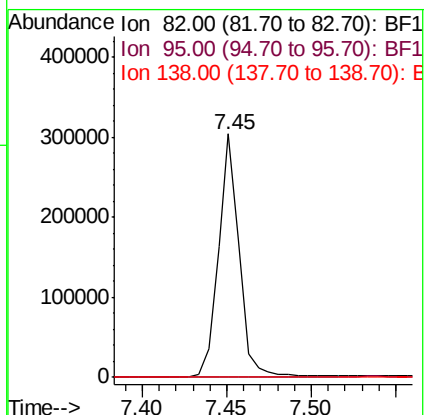
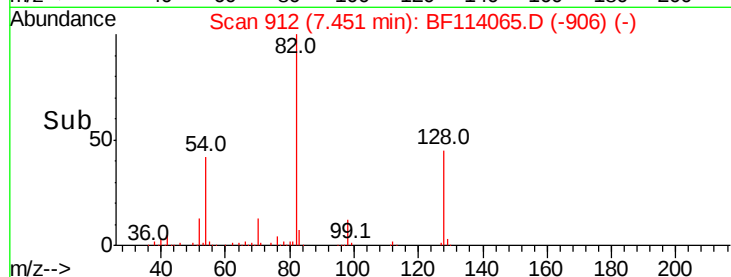
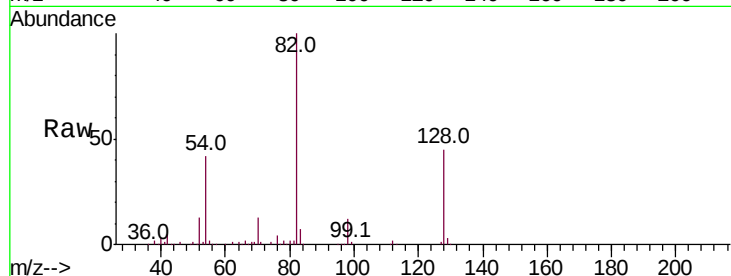
Tot Ion: 82 Resp: 260110

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

138 0.0 14.6 22.0#



#35

Caprolactam

Concen: 4.072 ng

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

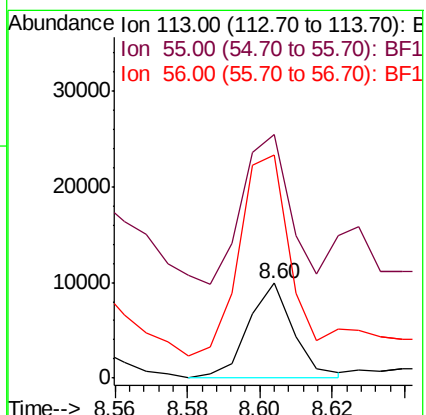
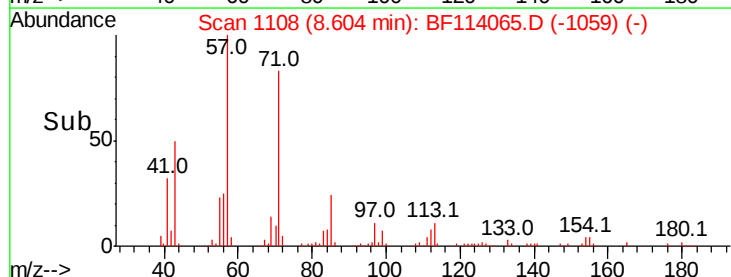
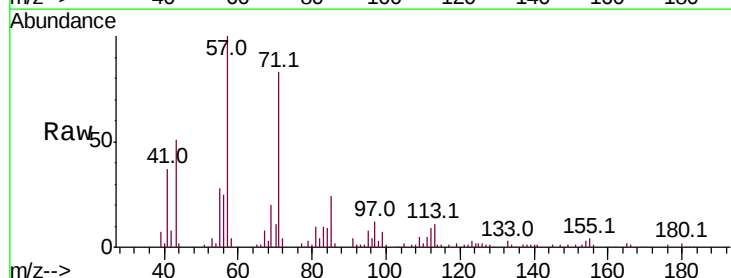
Tgt Ion: 113 Resp: 8661

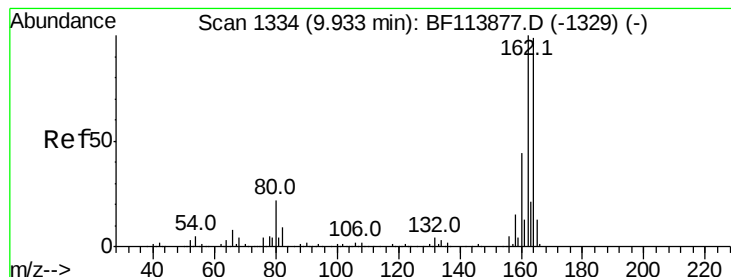
Ion Ratio Lower Upper

113 100

55 256.6 128.6 168.6#

56 234.7 91.9 131.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

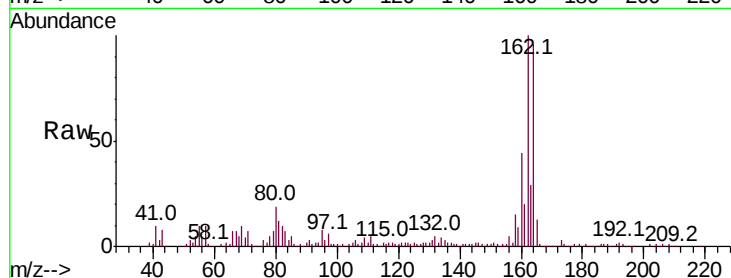
Tot Ion:164 Resp: 221790

Ion Ratio Lower Upper

164 100

162 104.2 81.1 121.7

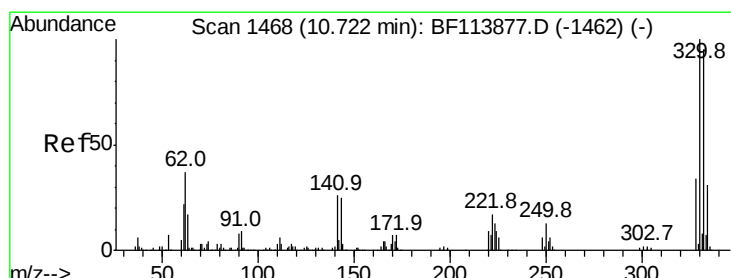
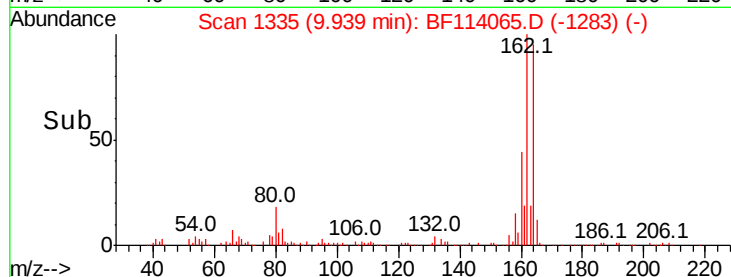
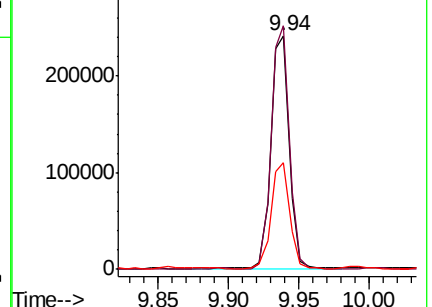
160 45.7 35.8 53.6



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: 50.157 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

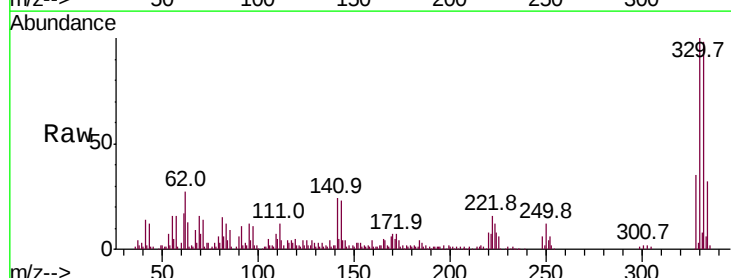
Tgt Ion:330 Resp: 135516

Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

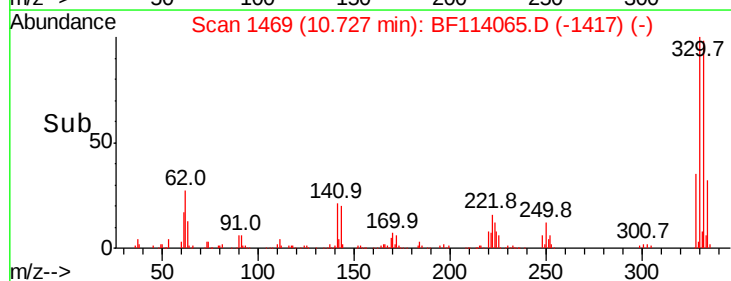
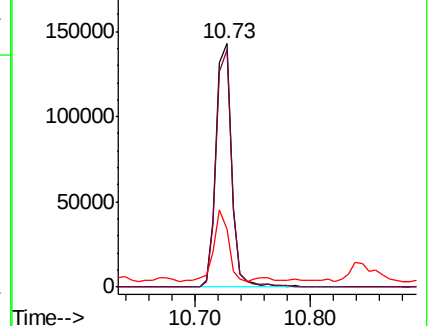
141 27.6 22.2 33.2

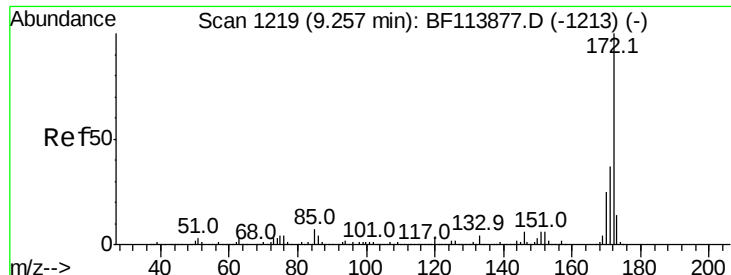


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

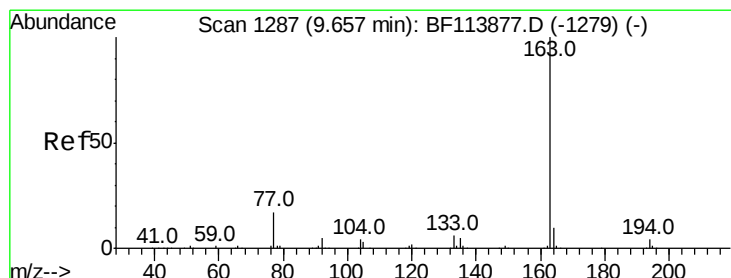
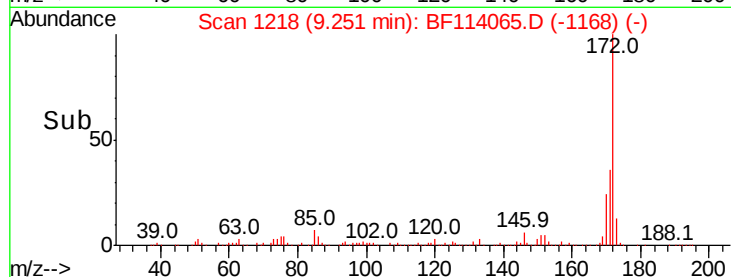
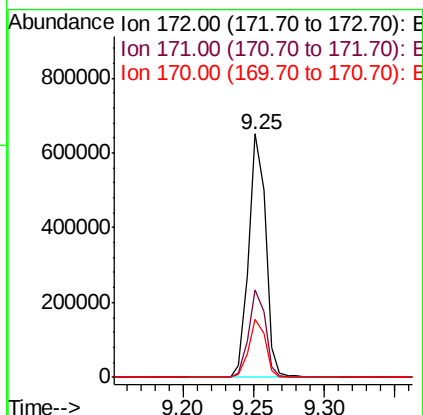
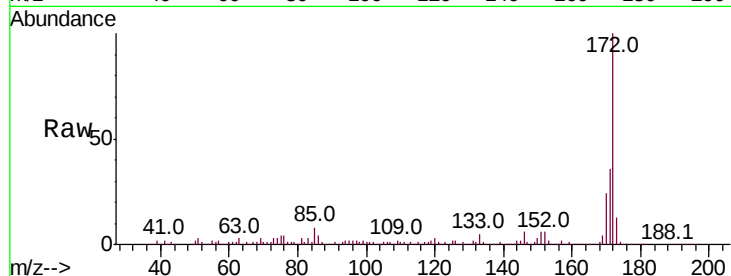




#45
2-Fluorobiphenyl
Concen: 38.946 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF114065.D
Acq: 1 May 2019 13:28

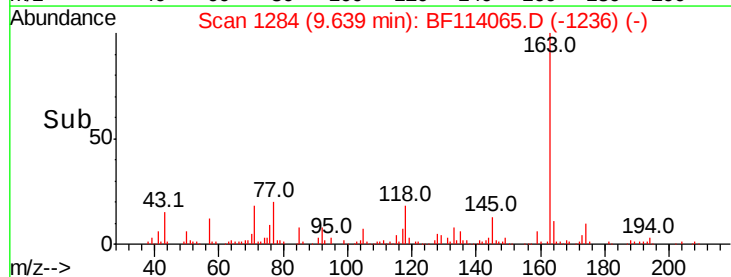
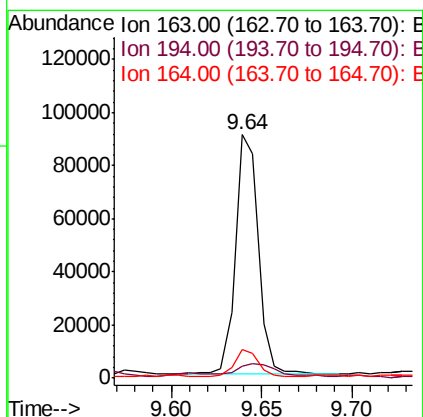
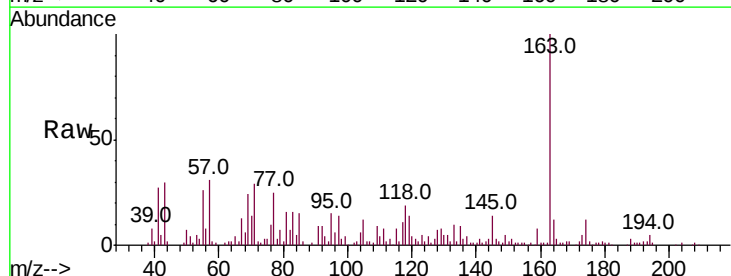
Instrument :
BNA_F
ClientSampleId :

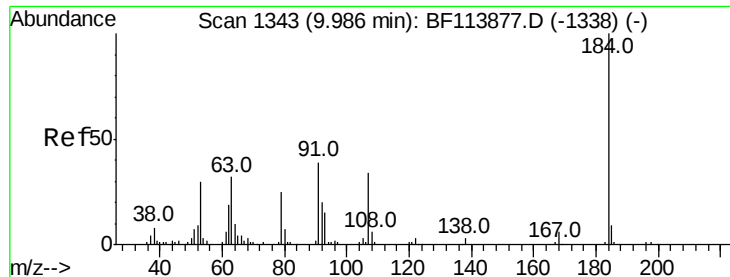
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	23.8	19.9	29.9



#50
Dimethylphthalate
Concen: 4.954 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF114065.D
Acq: 1 May 2019 13:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	11.5	8.5	12.7

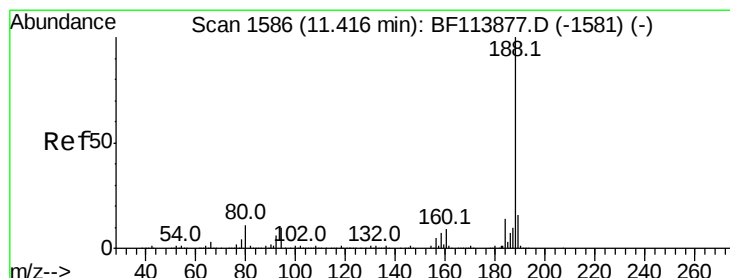
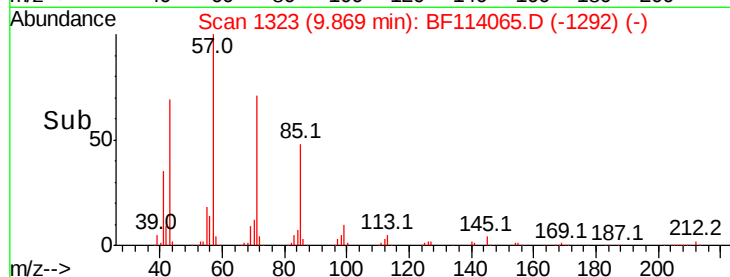
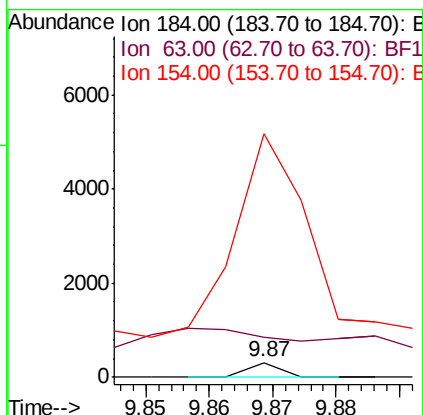
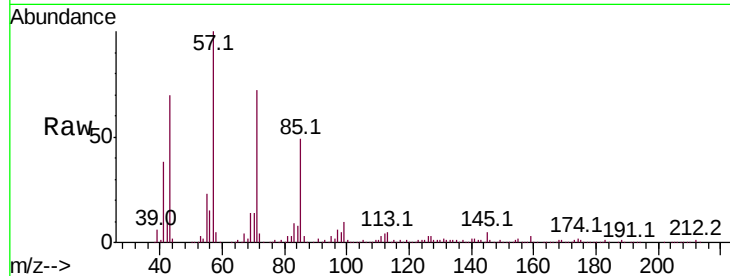




#54
 2,4-Dinitrophenol
 Concen: 8.386 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.12 min
 Lab File: BF114065.D
 Acq: 1 May 2019 13:28

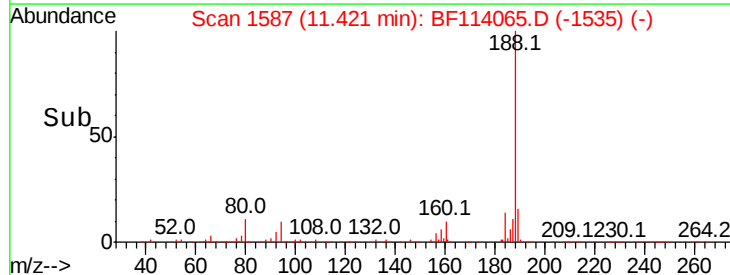
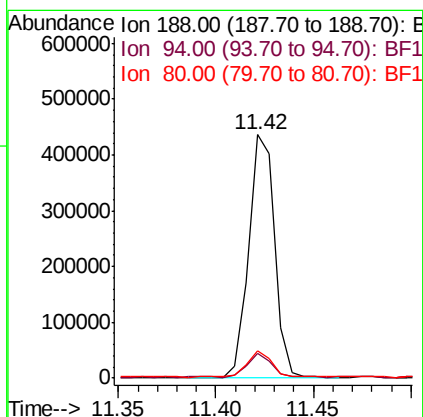
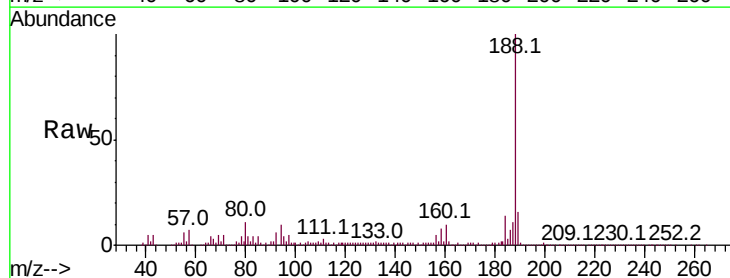
Instrument :
 BNA_F
 ClientSampleId :

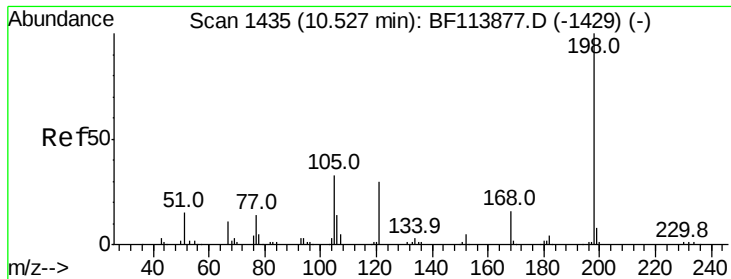
Tot Ion:184 Resp: 111
 Ion Ratio Lower Upper
 184 100
 63 268.2 54.6 81.8#
 154 1647.5 218.6 328.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF114065.D
 Acq: 1 May 2019 13:28

Tgt Ion:188 Resp: 400589
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.2 12.4
 80 11.0 9.0 13.6

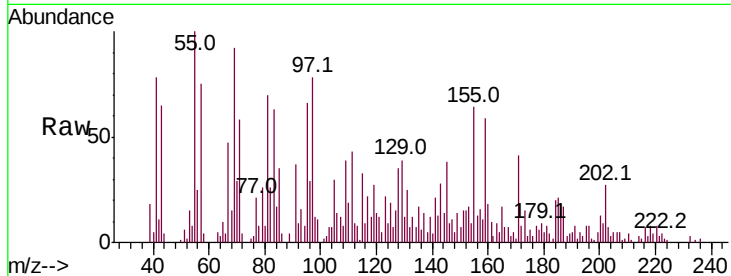




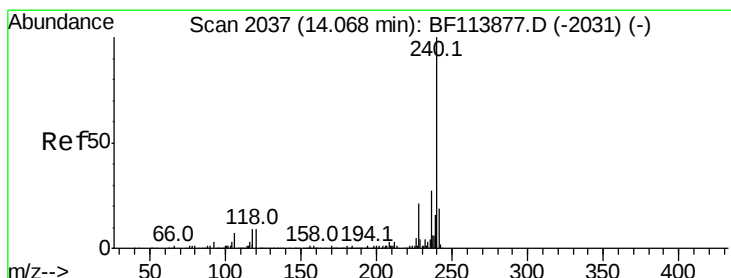
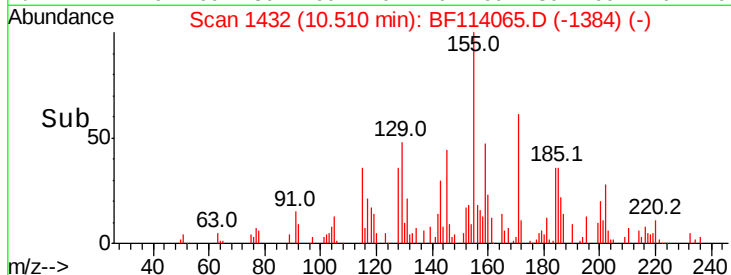
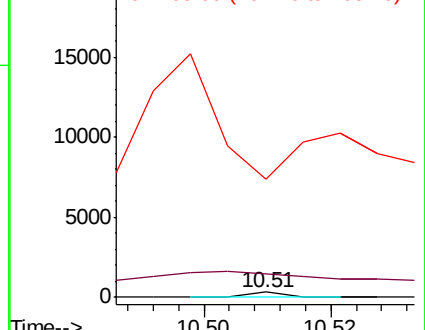
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.359 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF114065.D
 Acq: 1 May 2019 13:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 110
 Ion Ratio Lower Upper
 198 100
 51 460.1 11.1 51.1#
 105 2384.6 20.7 60.7#

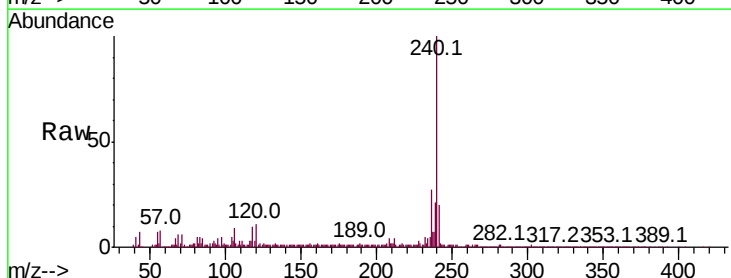


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

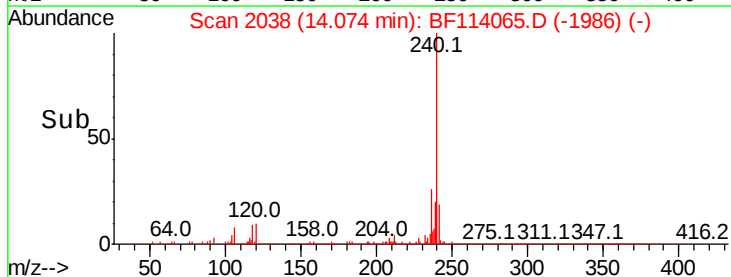
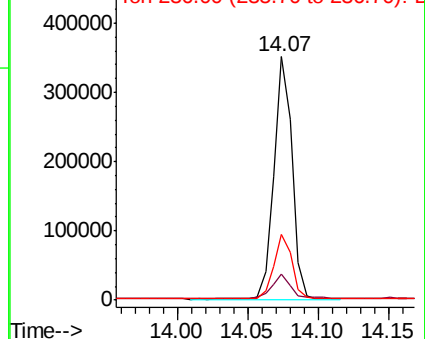


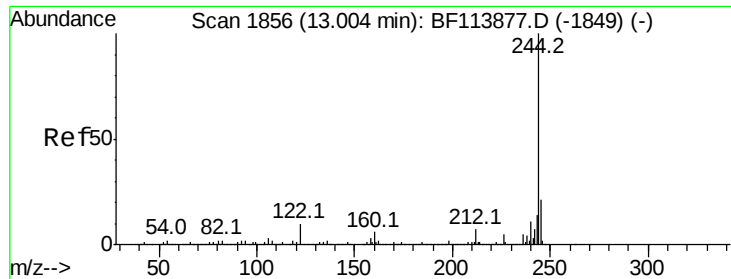
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF114065.D
 Acq: 1 May 2019 13:28

Tgt Ion:240 Resp: 316036
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.3 13.9
 236 26.7 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





#79

Terphenyl-d14

Concen: 36.532 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

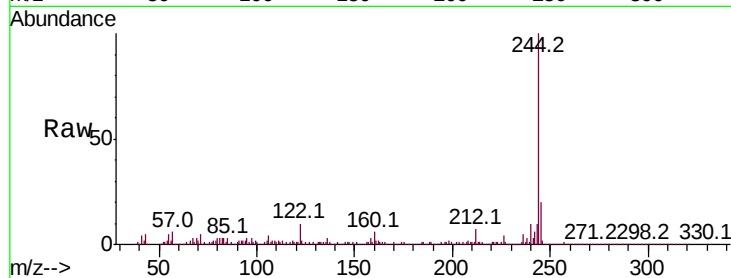
Tot Ion:244 Resp: 563155

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

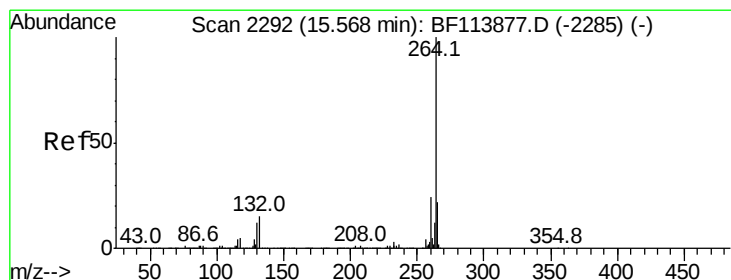
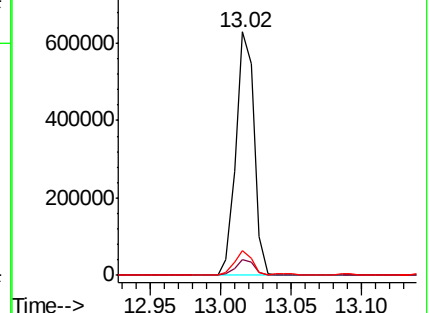
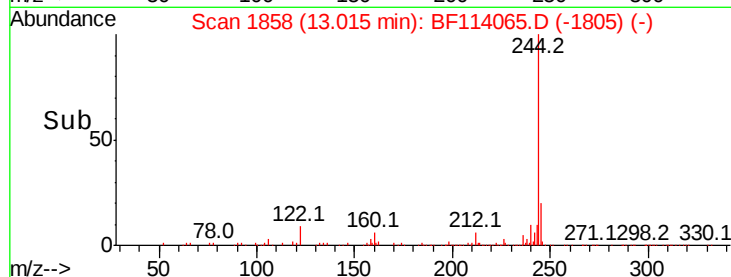
122 10.2 7.6 11.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.02 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

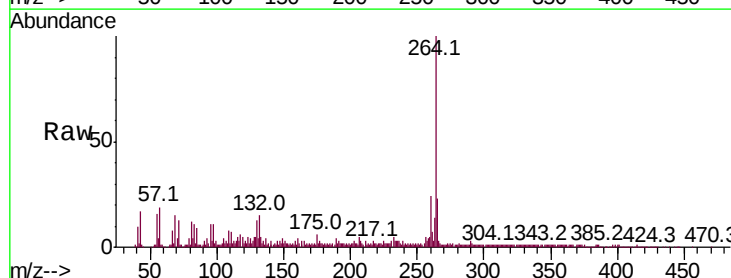
Tgt Ion:264 Resp: 231297

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

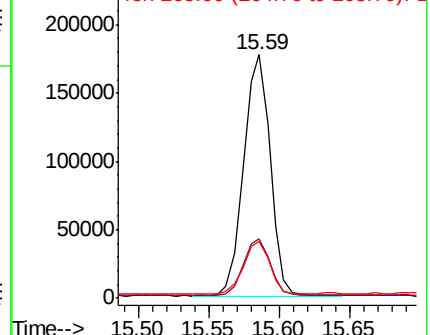
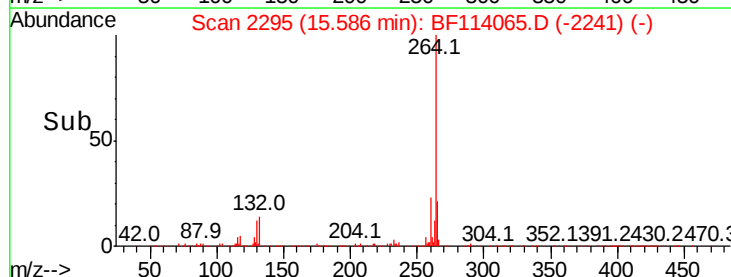
265 23.1 17.3 25.9

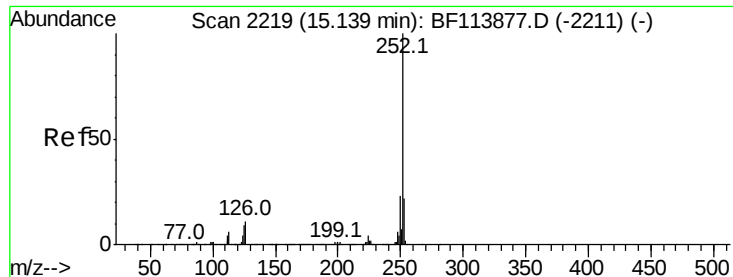


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.217 ng

RT: 15.14 min Scan# 2220

Delta R.T. 0.01 min

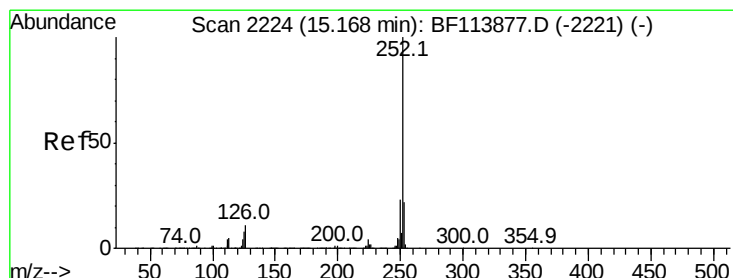
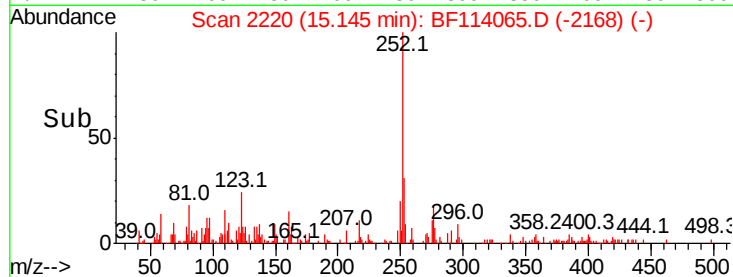
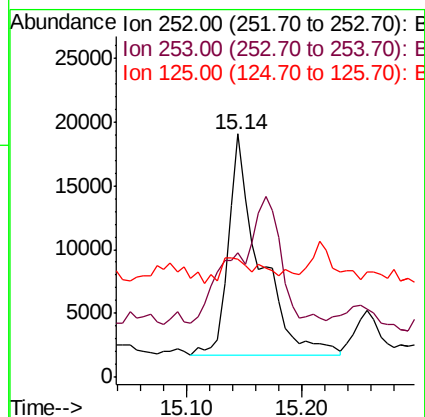
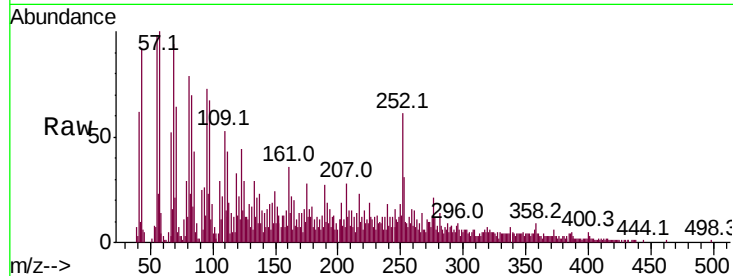
Lab File: BF114065.D

Acq: 1 May 2019 13:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 32437

Ion	Ratio	Lower	Upper
252	100		
253	51.0	17.8	26.6#
125	48.4	7.0	10.6#



#89

Benzo(k)fluoranthene

Concen: 2.577 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BF114065.D

Acq: 1 May 2019 13:28

Tgt Ion:252 Resp: 32437

Ion	Ratio	Lower	Upper
252	100		
253	51.0	18.2	27.2#
125	48.4	7.4	11.2#

