

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\
 Data File : BF114032.D
 Acq On : 29 Apr 2019 19:28
 Operator : JU/SJ
 Sample : K2583-02 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 01:22:39 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	106498	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	358609	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	174052	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	339632	20.00	ng	0.00
76) Chrysene-d12	14.07	240	181186	20.00	ng	0.00
87) Perylene-d12	15.59	264	199835	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	67900	10.90	ng	0.00
7) Phenol-d6	6.53	99	90928	11.64	ng	0.00
23) Nitrobenzene-d5	7.45	82	74511	12.83	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	22698	10.71	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	108608	9.76	ng	-0.01
79) Terphenyl-d14	13.00	244	110237	12.47	ng	0.00

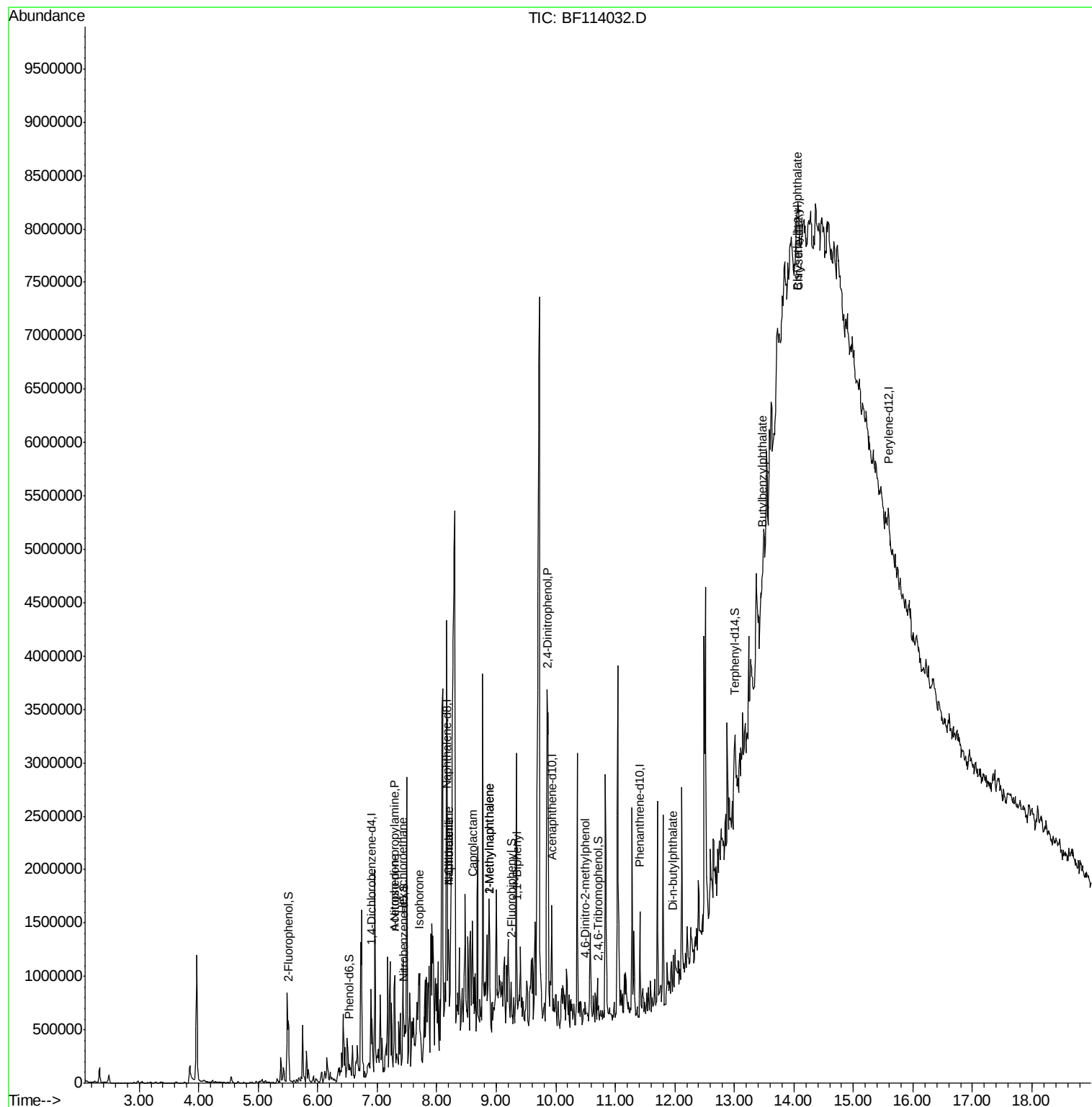
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	8715	Below Cal		# 1
18) Hexachloroethane	7.43	117	48603	17.121	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	13021	2.574	ng	# 51
22) Acetophenone	7.29	105	124466	15.597	ng	# 55
25) Isophorone	7.71	82	40327	3.393	ng	# 1
31) Naphthalene	8.20	128	195698	11.487	ng	# 96
33) 4-Chloroaniline	8.20	127	27097	3.759	ng	# 48
35) Caprolactam	8.60	113	22217	12.804	ng	# 16
37) 2-Methylnaphthalene	8.89	142	173680	15.118	ng	# 98
38) 1-Methylnaphthalene	8.89	142	173680	15.664	ng	# 99
46) 1,1'-Biphenyl	9.35	154	36704	2.760	ng	# 98
54) 2,4-Dinitrophenol	9.87	184	357	8.593	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.50	198	117	7.372	ng	# 1
74) Di-n-butylphthalate	11.97	149	61983	3.427	ng	# 97
80) Butylbenzylphthalate	13.47	149	11877	2.382	ng	# 78
84) Bis(2-ethylhexyl)phthalate	14.05	149	56746	8.947	ng	# 78

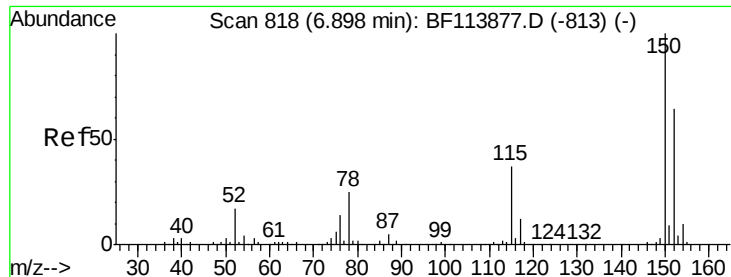
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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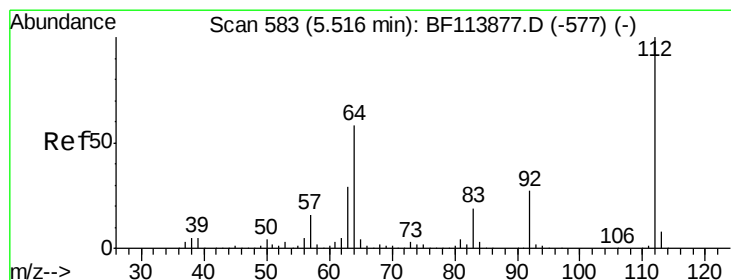
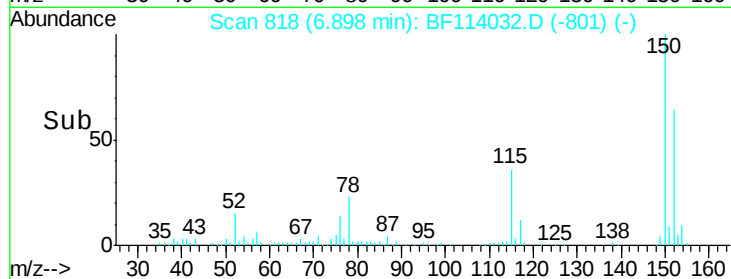
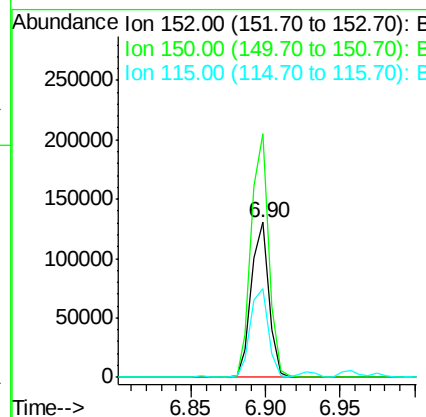
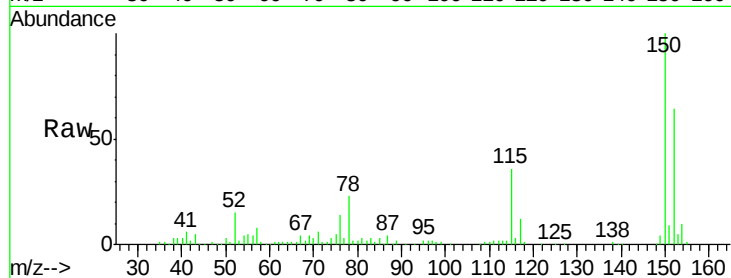


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampled :

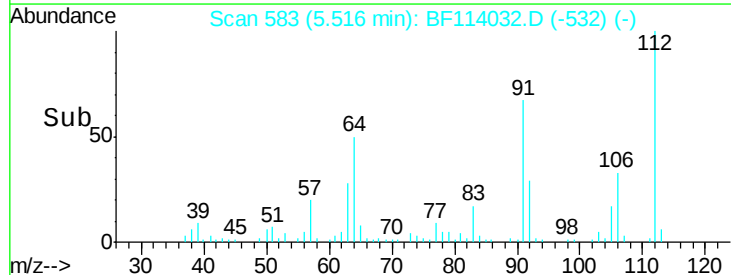
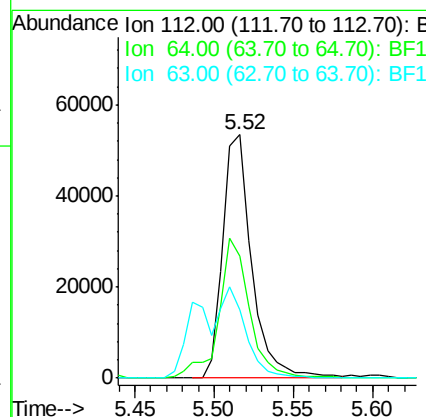
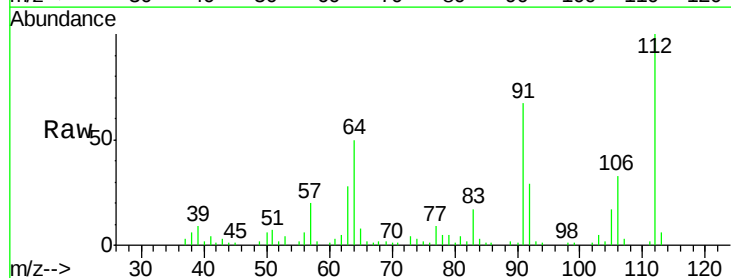
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	57.2	45.9	68.9

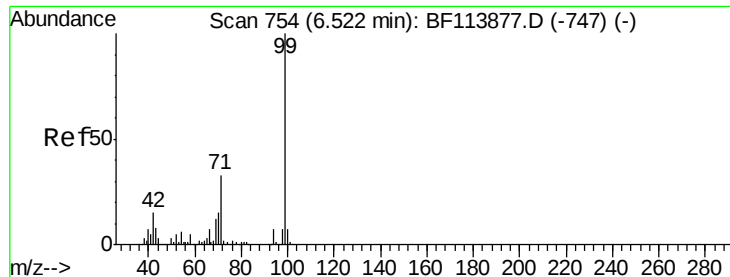


#5

2-Fluorophenol
 Concen: 10.905 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.2	46.6	69.8
63	27.8	23.1	34.7





#7

Phenol-d6

Concen: 11.639 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

Instrument :

BNA_F

ClientSampleId :

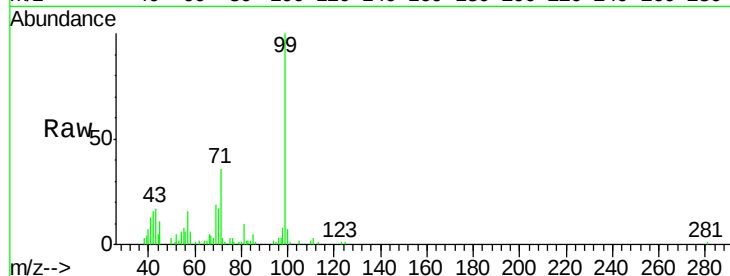
Tot Ion: 99 Resp: 90928

Ion Ratio Lower Upper

99 100

42 16.2 12.5 18.7

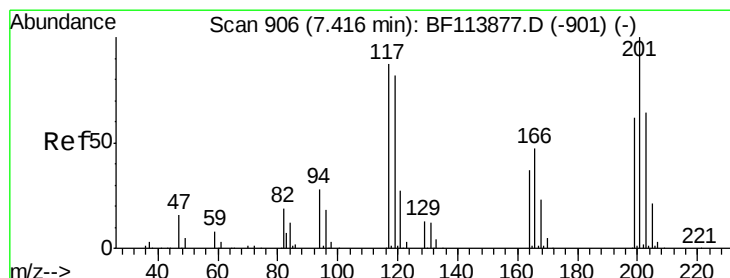
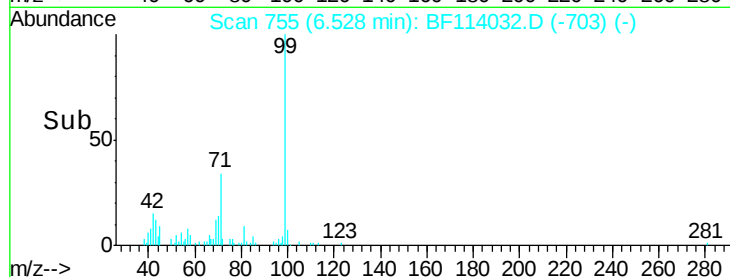
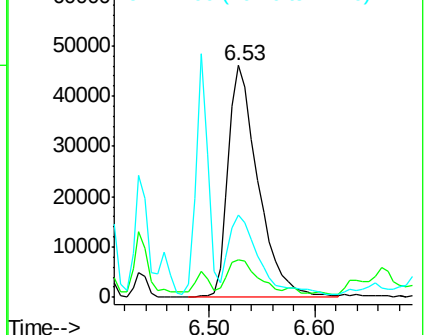
71 35.7 26.9 40.3



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



#18

Hexachloroethane

Concen: 17.121 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

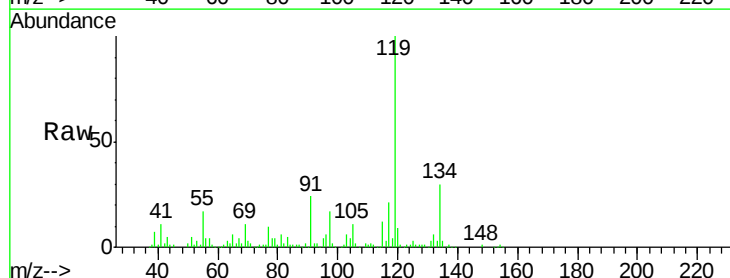
Tgt Ion: 117 Resp: 48603

Ion Ratio Lower Upper

117 100

119 469.4 74.4 111.6#

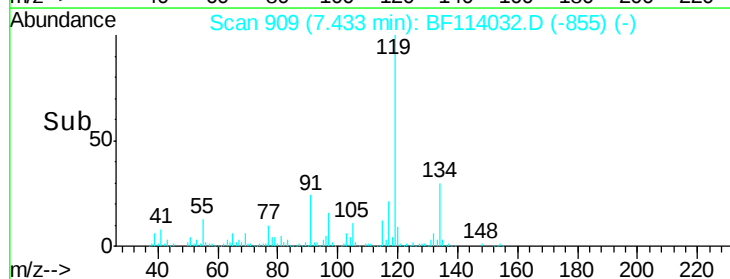
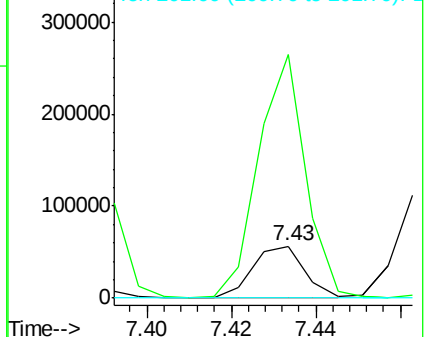
201 0.0 90.2 135.2#

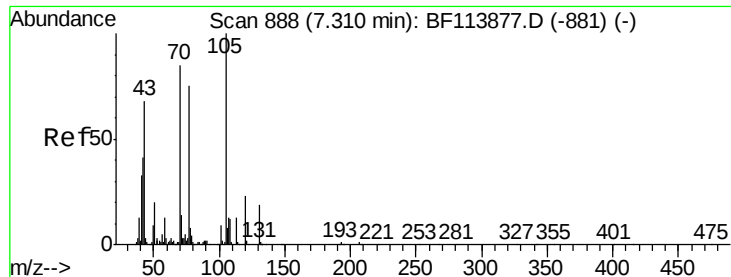


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

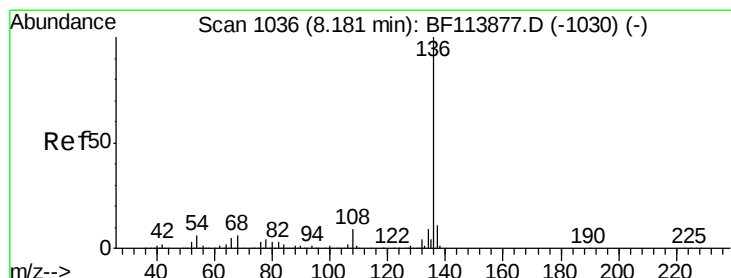
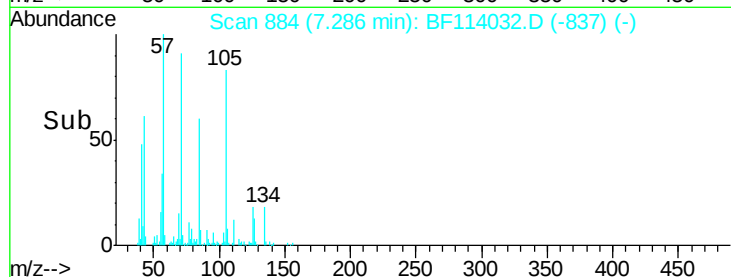
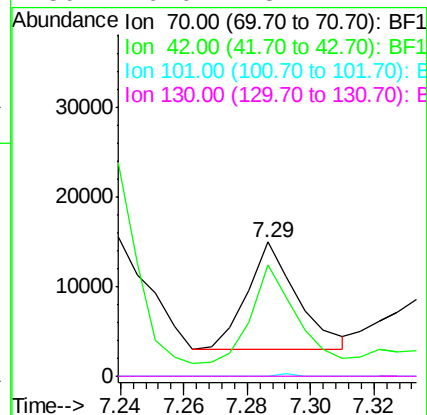
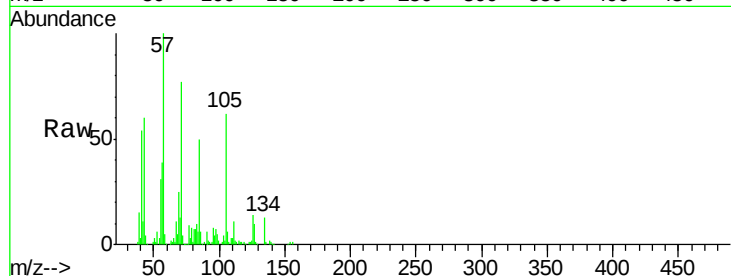




#19
n-Nitroso-di-n-propylamine
Concen: 2.574 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF114032.D
Acq: 29 Apr 2019 19:28

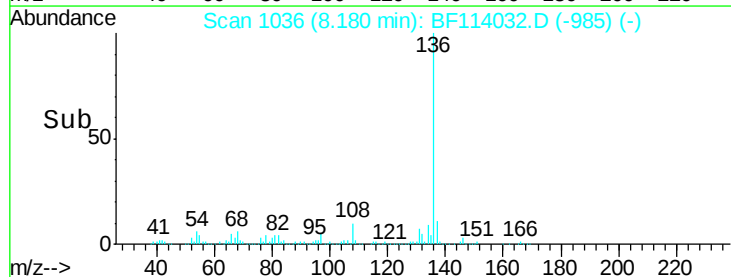
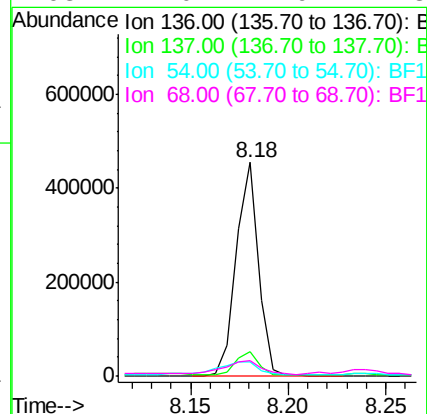
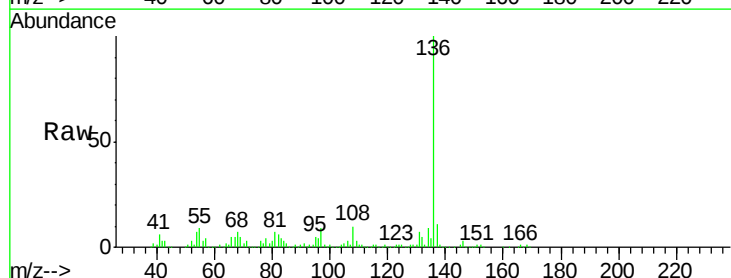
Instrument :
BNA_F
ClientSampleId :

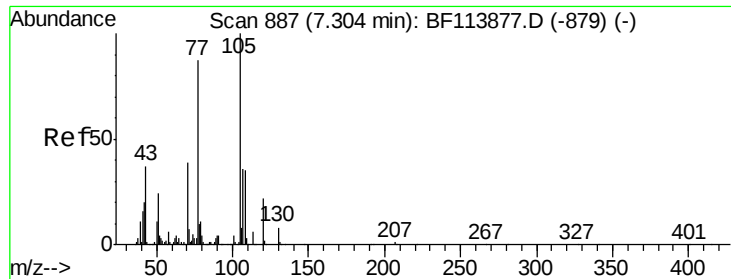
Tot Ion: 70 Resp: 13021
Ion Ratio Lower Upper
70 100
42 83.2 37.3 55.9#
101 0.0 7.8 11.8#
130 0.0 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF114032.D
Acq: 29 Apr 2019 19:28

Tgt Ion: 136 Resp: 358609
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 6.6 5.0 7.6
68 7.0 4.9 7.3





#22

Acetophenone

Concen: 15.597 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

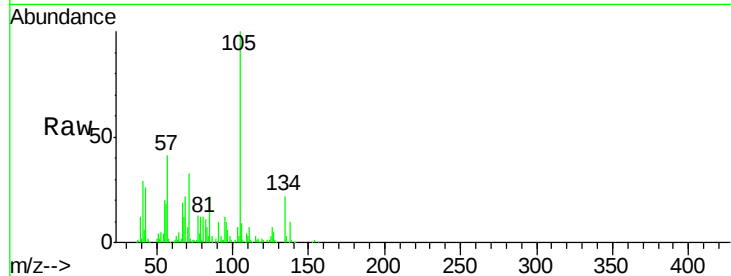
Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

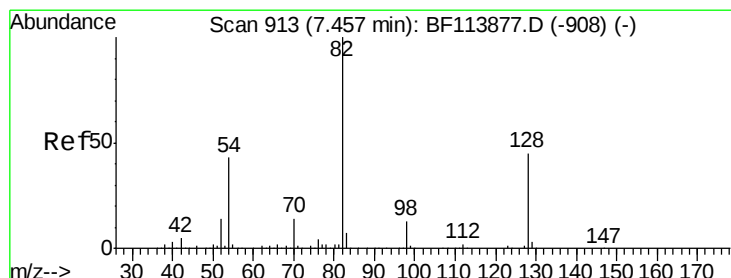
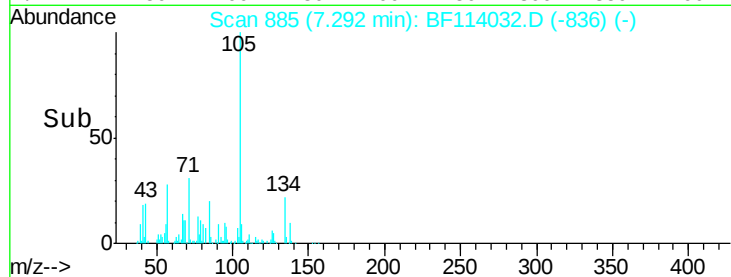
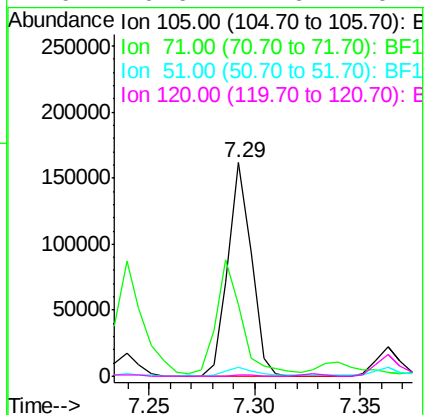
Instrument :

BNA_F

ClientSampled :



Tot Ion:	105	Resp:	124466
Ion Ratio	Lower	Upper	
105	100		
71	33.4	6.1	9.1#
51	4.4	16.8	25.2#
120	0.6	17.6	26.4#



#23

Nitrobenzene-d5

Concen: 12.829 ng

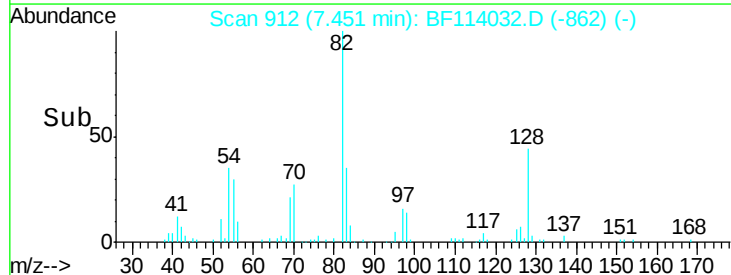
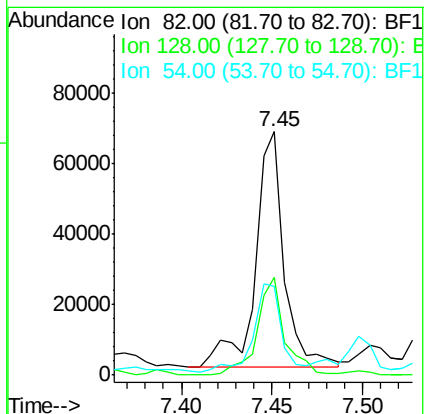
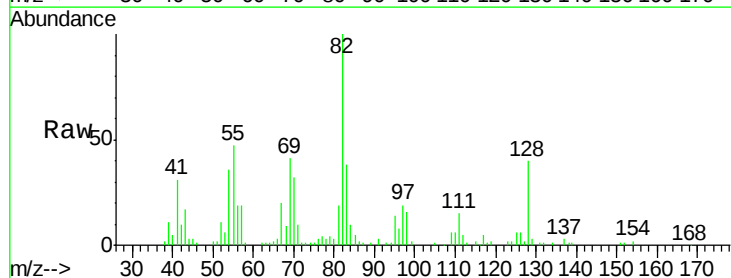
RT: 7.45 min Scan# 912

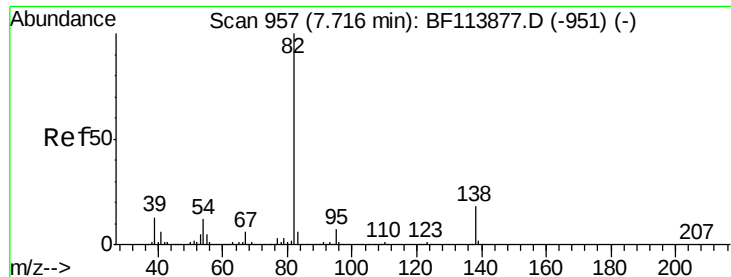
Delta R.T. -0.01 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

Tgt Ion:	82	Resp:	74511
Ion Ratio	Lower	Upper	
82	100		
128	39.9	36.8	55.2
54	36.4	33.8	50.6





#25

Isophorone

Concen: 3.393 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

Instrument :

BNA_F

ClientSampled :

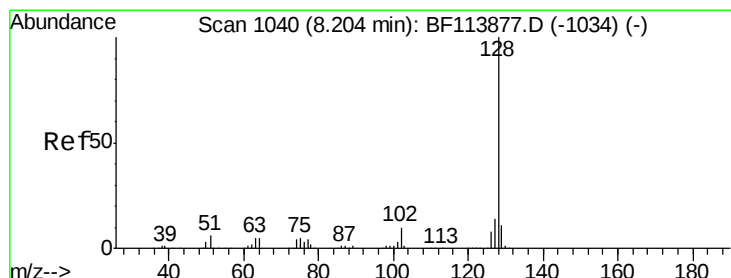
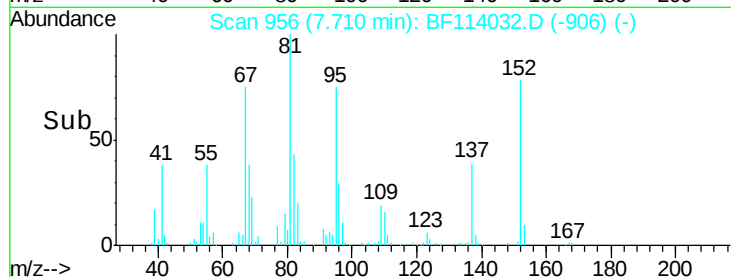
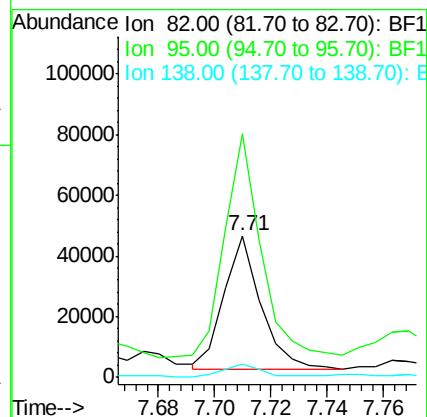
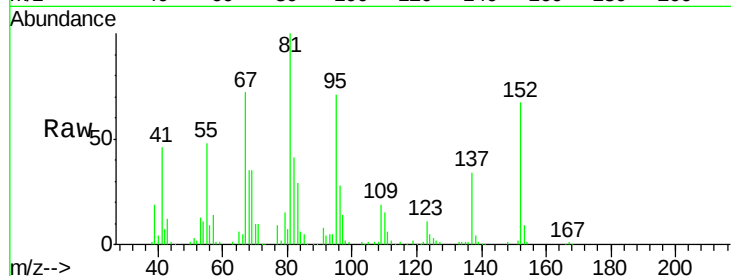
Tot Ion: 82 Resp: 40327

Ion Ratio Lower Upper

82 100

95 172.4 5.4 8.2#

138 9.8 14.6 22.0#



#31

Naphthalene

Concen: 11.487 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

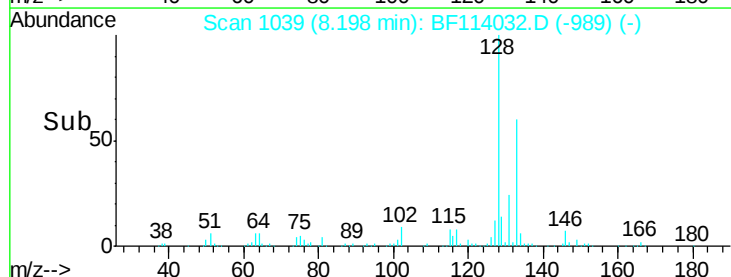
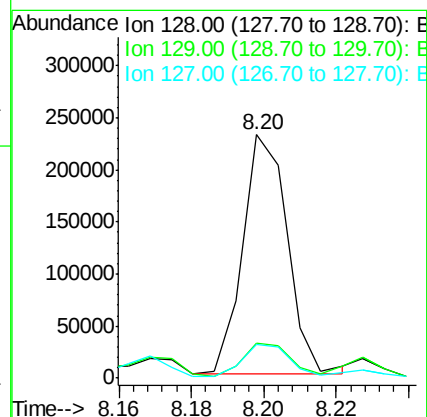
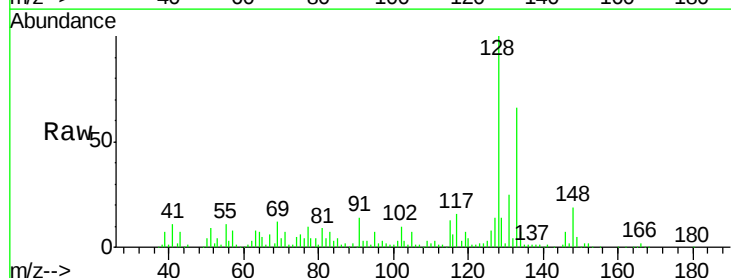
Tgt Ion: 128 Resp: 195698

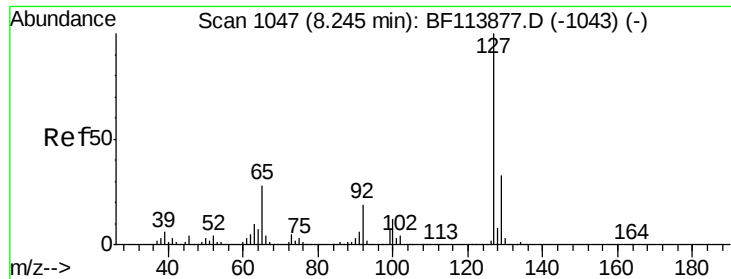
Ion Ratio Lower Upper

128 100

129 14.3 9.4 14.0#

127 13.9 10.8 16.2

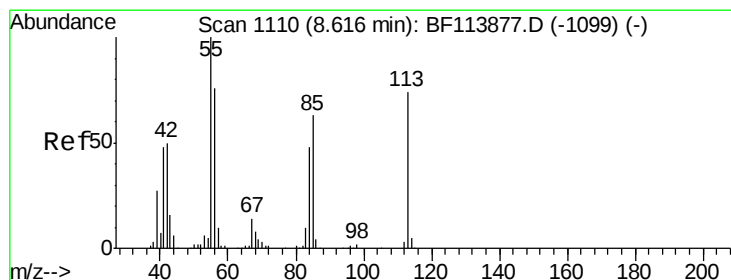
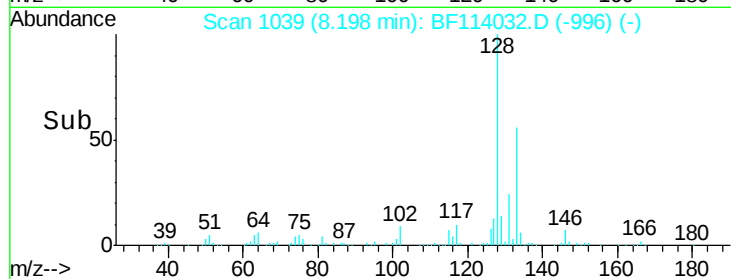
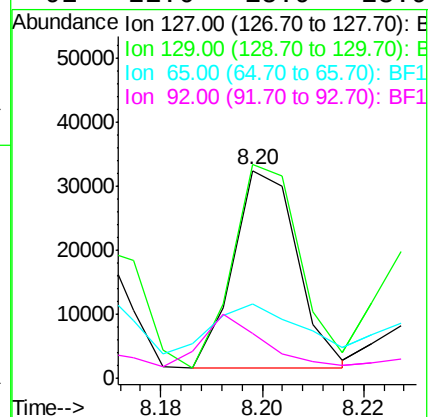
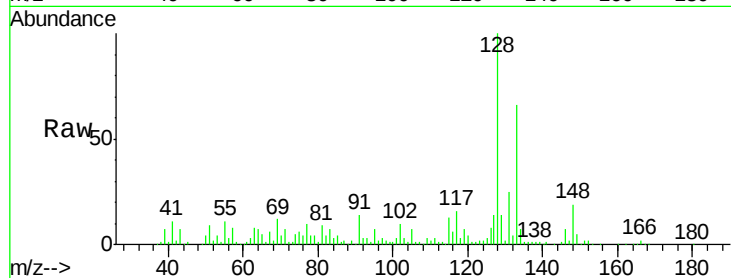




#33
4-Chloroaniline
Concen: 3.759 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF114032.D
Acq: 29 Apr 2019 19:28

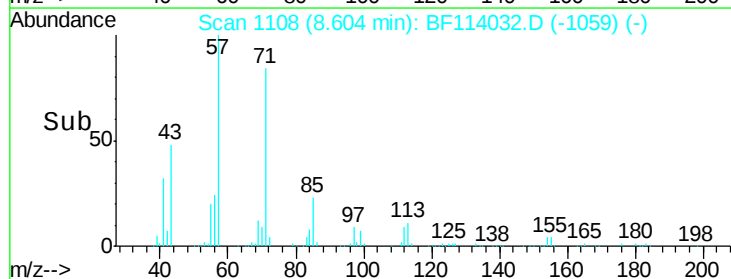
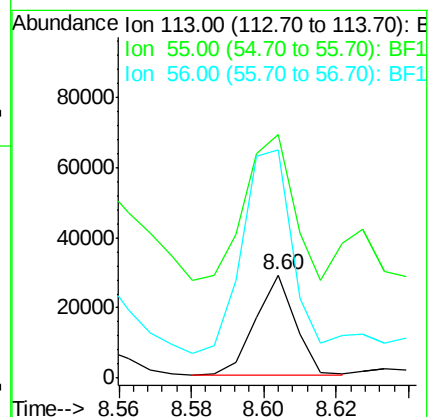
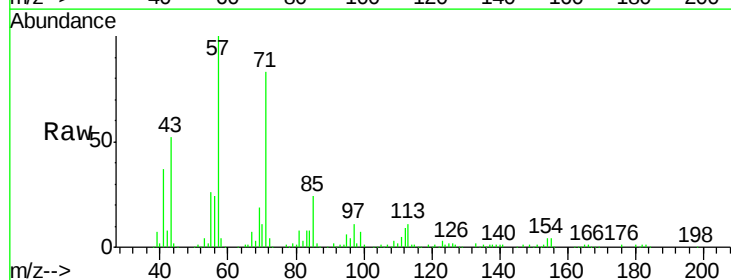
Instrument :
BNA_F
ClientSampleId :

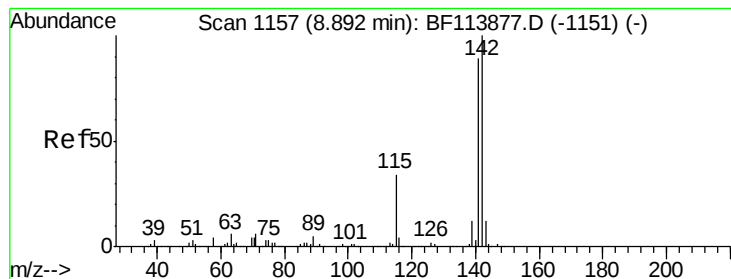
Tot Ion:127	Resp:	27097
Ion Ratio	Lower	Upper
127	100	
129	102.9	26.4 39.6#
65	35.5	24.9 37.3
92	21.6	15.9 23.9



#35
Caprolactam
Concen: 12.804 ng
RT: 8.60 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BF114032.D
Acq: 29 Apr 2019 19:28

Tgt Ion:113	Resp:	22217
Ion Ratio	Lower	Upper
113	100	
55	236.0	128.6 168.6#
56	221.9	91.9 131.9#





#37

2-Methylnaphthalene

Concen: 15.118 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

Instrument :

BNA_F

ClientSampleId :

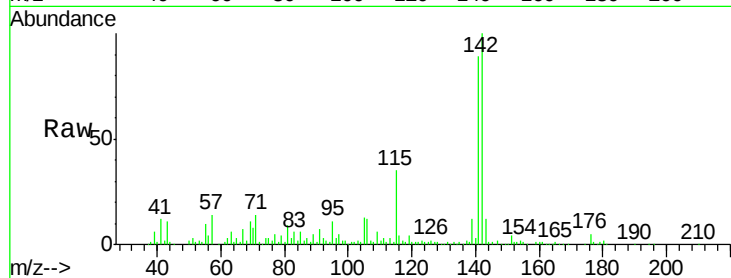
Tot Ion:142 Resp: 173680

Ion Ratio Lower Upper

142 100

141 89.5 70.4 105.6

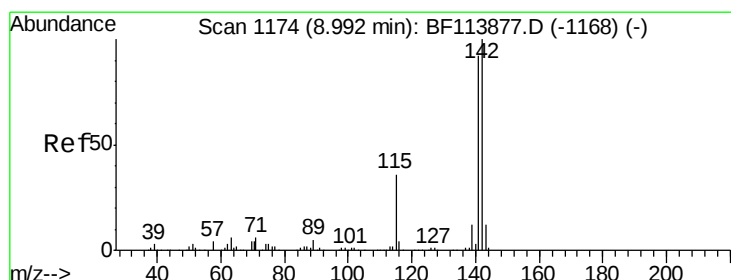
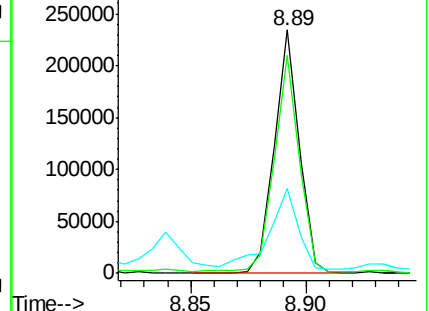
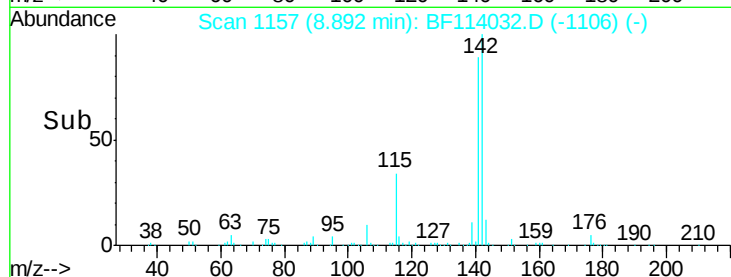
115 34.8 26.3 39.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 15.664 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.10 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

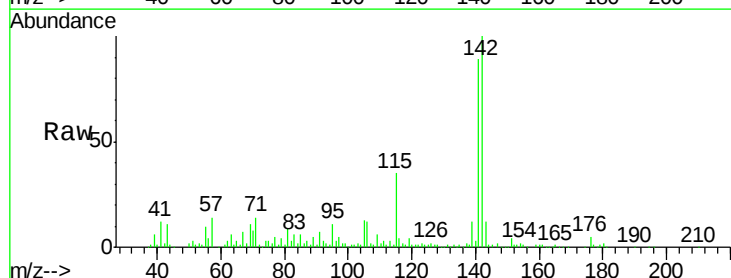
Tgt Ion:142 Resp: 173680

Ion Ratio Lower Upper

142 100

141 89.5 72.3 108.5

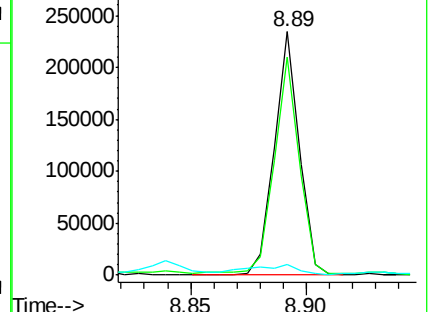
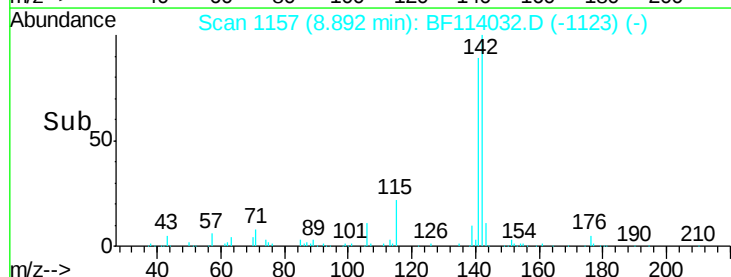
116 4.2 3.0 4.4

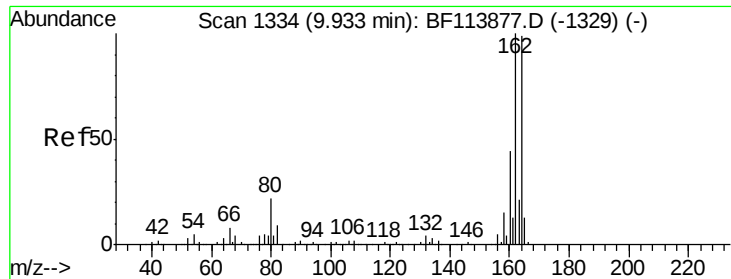


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

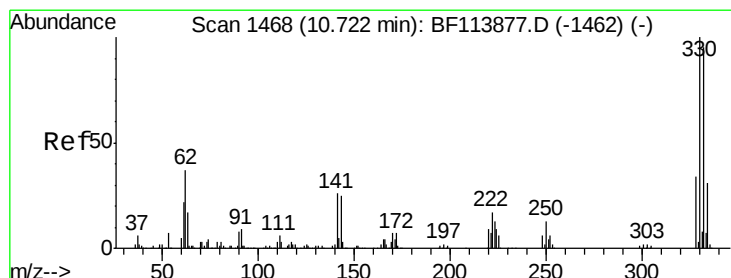
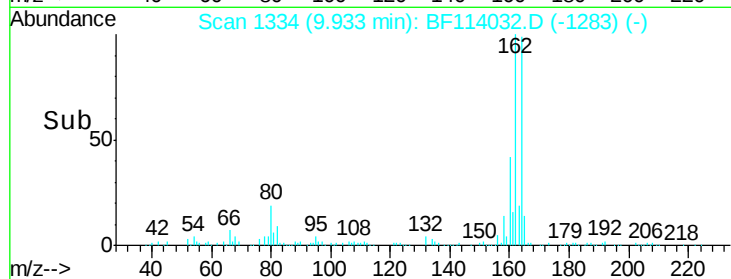
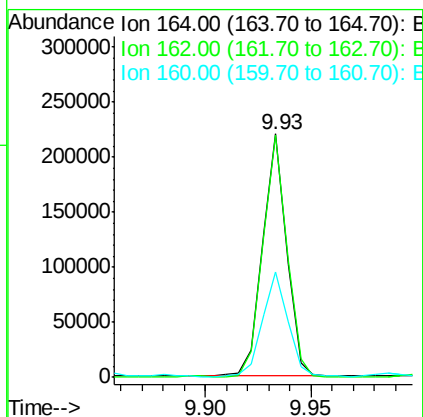
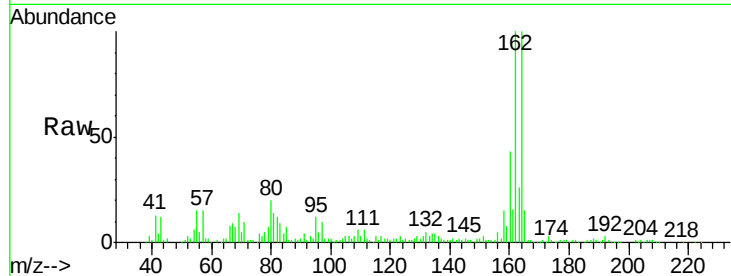




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

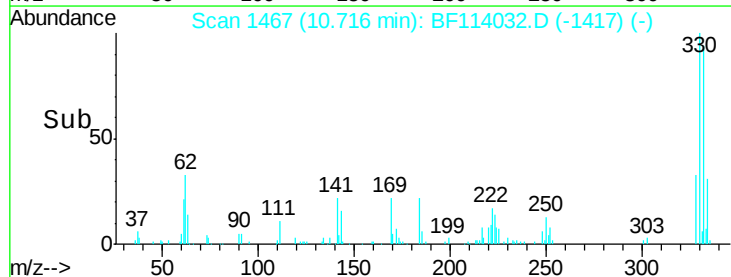
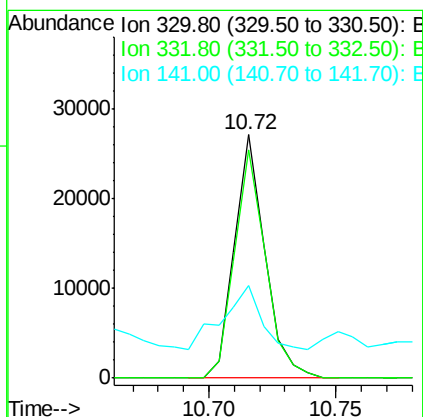
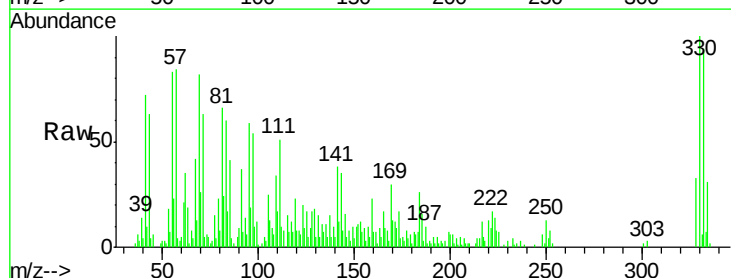
Instrument :
 BNA_F
 ClientSampled :

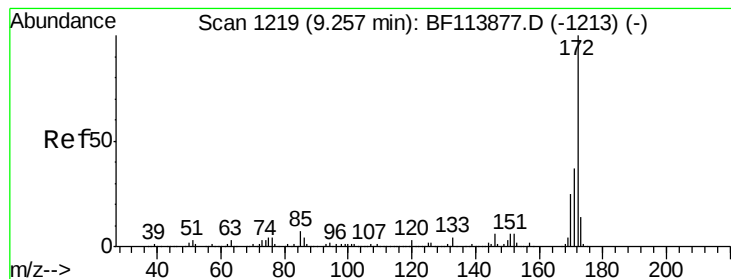
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.1	121.7
160	43.1	35.8	53.6



#42
 2,4,6-Tribromophenol
 Concen: 10.705 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.5	116.3
141	33.1	22.2	33.2





#45

2-Fluorobiphenyl

Concen: 9.759 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

Instrument :

BNA_F

ClientSampleId :

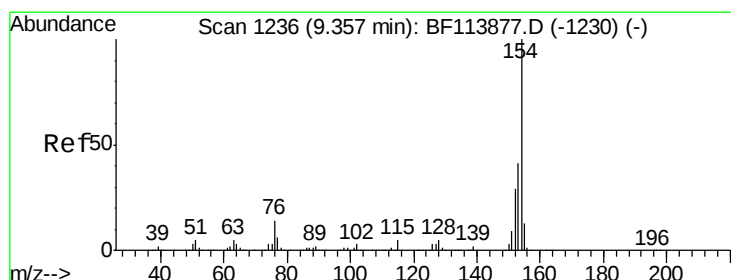
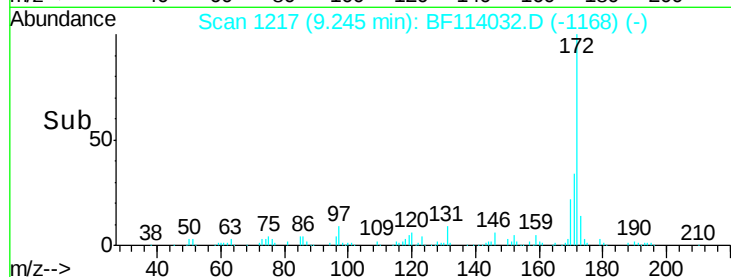
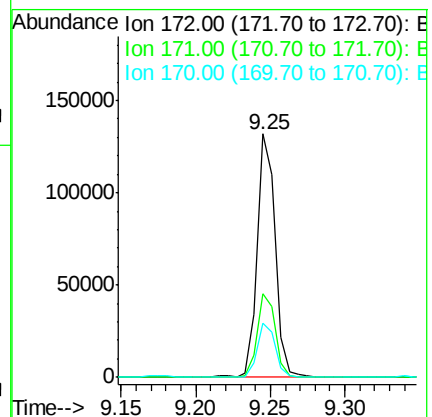
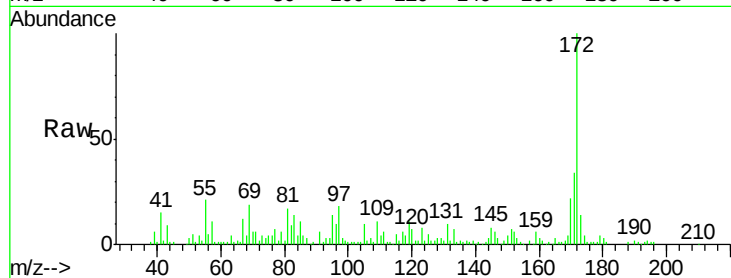
Tot Ion:172 Resp: 108608

Ion Ratio Lower Upper

172 100

171 34.4 29.4 44.0

170 22.0 19.9 29.9



#46

1,1'-Biphenyl

Concen: 2.760 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF114032.D

Acq: 29 Apr 2019 19:28

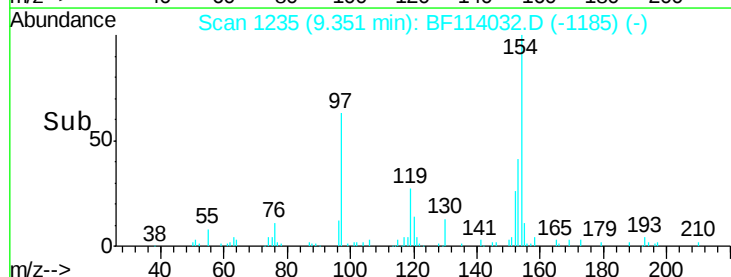
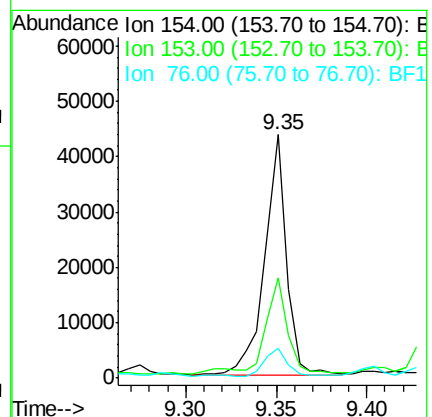
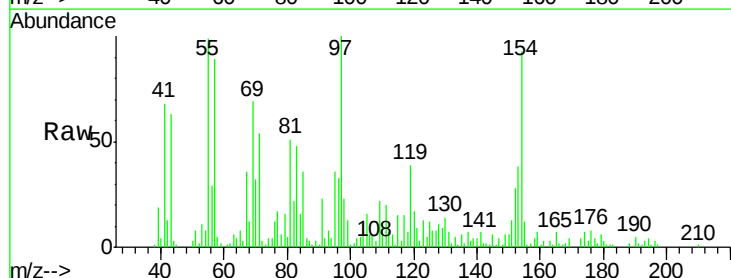
Tgt Ion:154 Resp: 36704

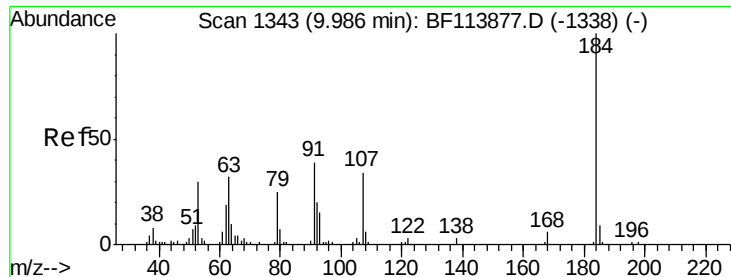
Ion Ratio Lower Upper

154 100

153 41.2 20.8 60.8

76 12.4 0.0 35.2

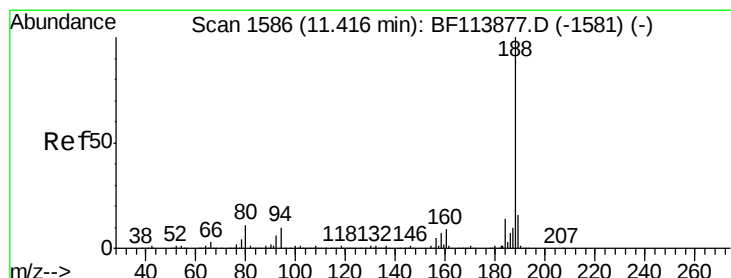
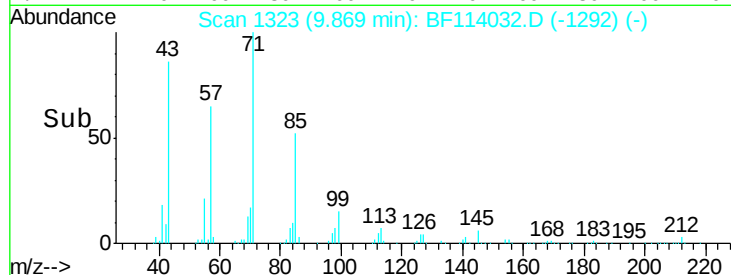
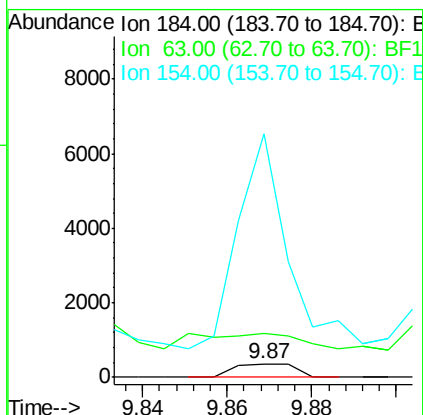
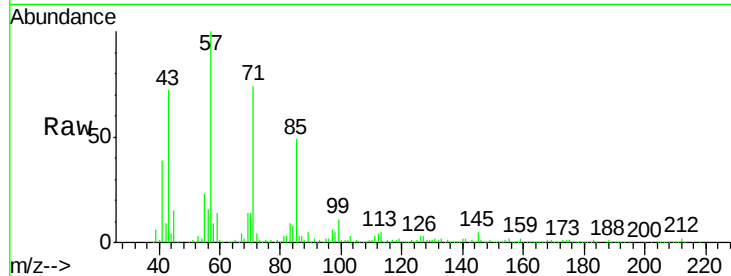




#54
 2,4-Dinitrophenol
 Concen: 8.593 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.12 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

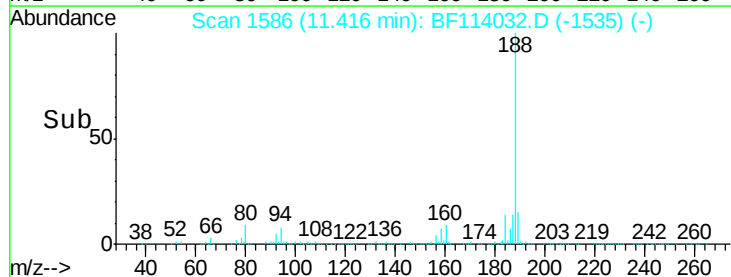
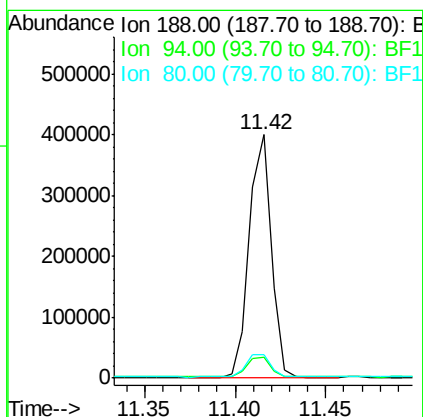
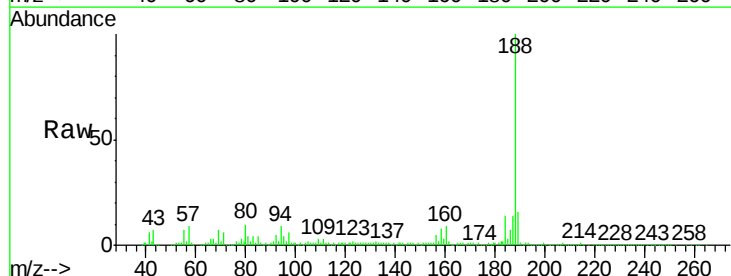
Instrument :
 BNA_F
 ClientSampleId :

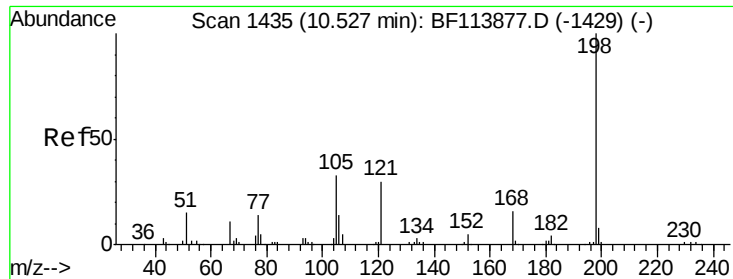
Tot Ion:184 Resp: 357
 Ion Ratio Lower Upper
 184 100
 63 322.2 54.6 81.8#
 154 1789.3 218.6 328.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Tgt Ion:188 Resp: 339632
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.6 9.0 13.6

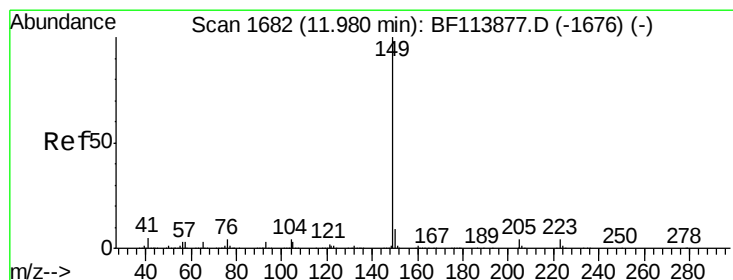
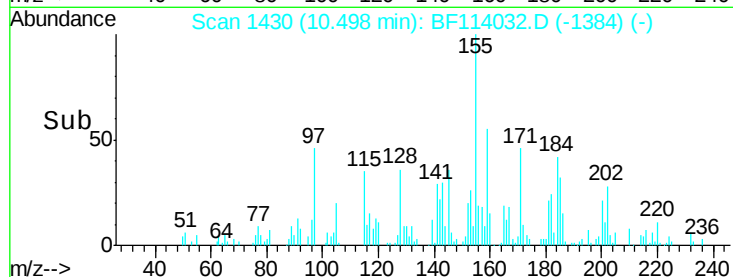
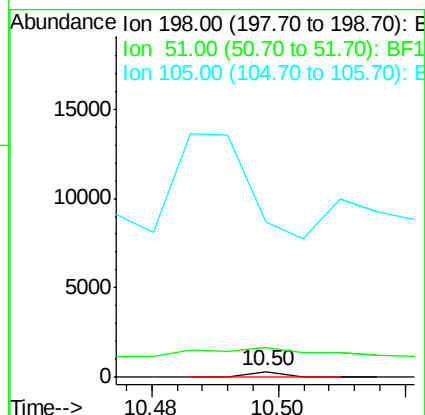
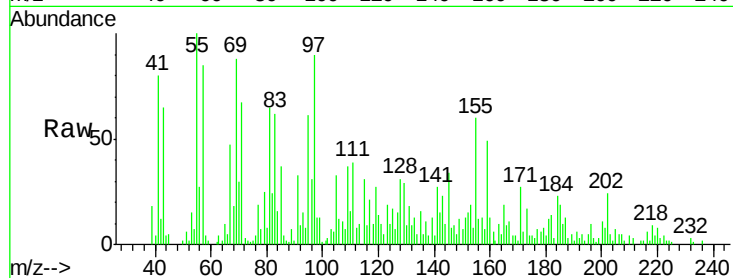




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.372 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.03 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

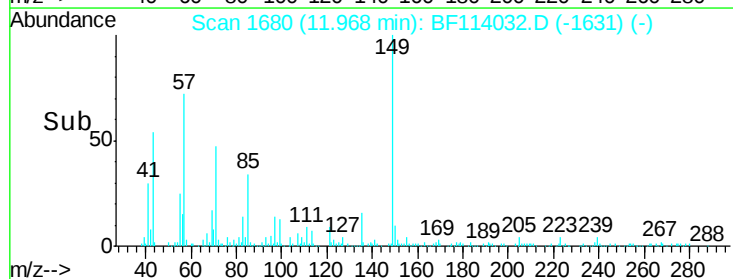
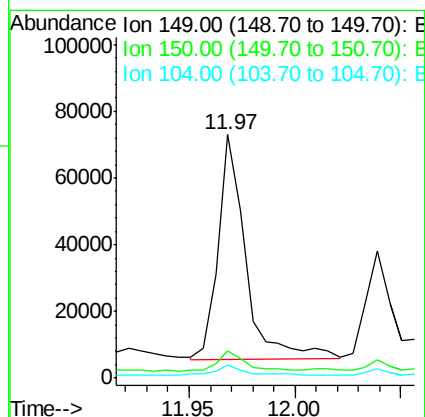
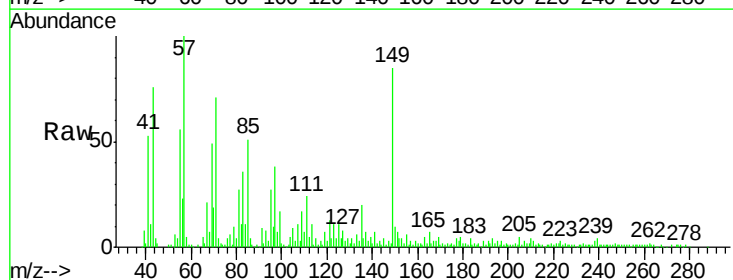
Instrument :
 BNA_F
 ClientSampleId :

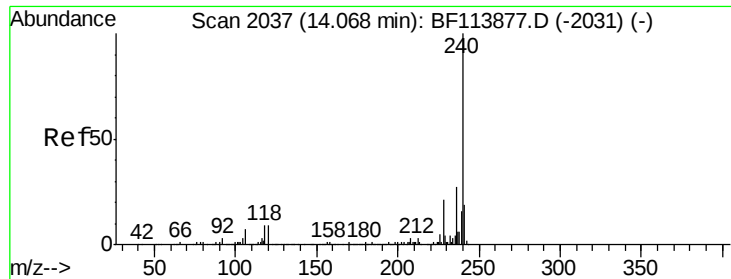
Tot Ion:198 Resp: 117
 Ion Ratio Lower Upper
 198 100
 51 499.4 11.1 51.1#
 105 2606.9 20.7 60.7#



#74
 Di-n-butylphthalate
 Concen: 3.427 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Tgt Ion:149 Resp: 61983
 Ion Ratio Lower Upper
 149 100
 150 11.4 7.8 11.8
 104 5.4 3.8 5.8

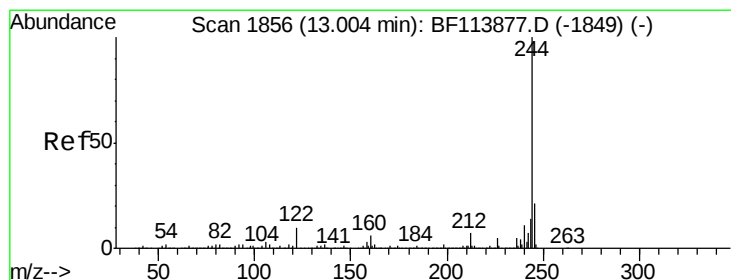
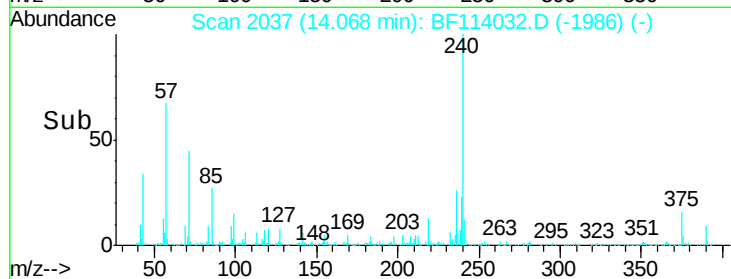
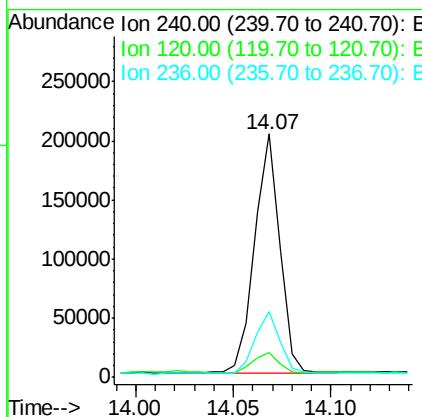
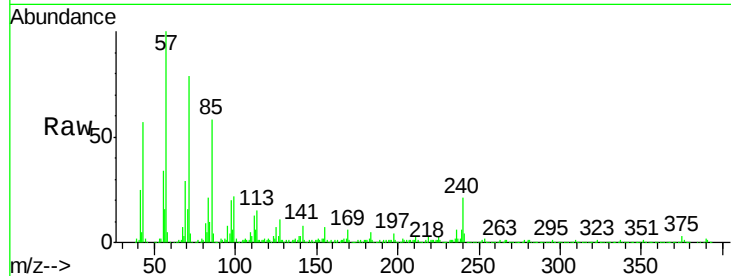




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

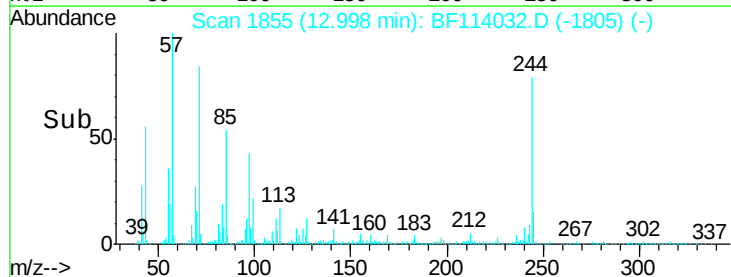
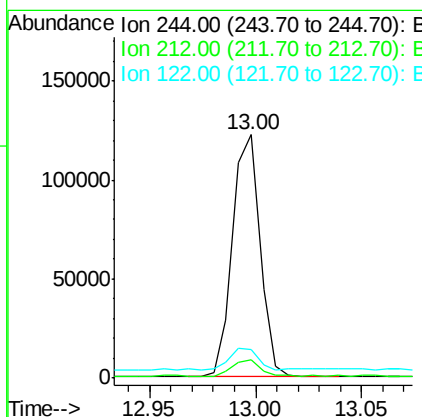
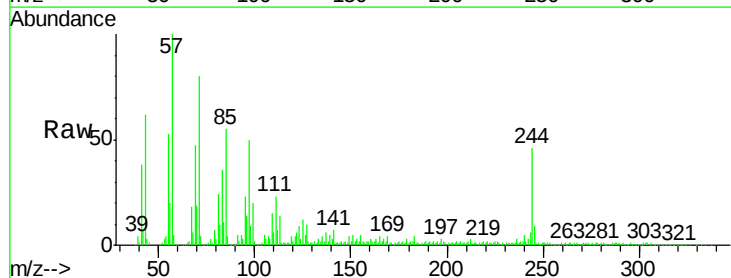
Instrument :
 BNA_F
 ClientSampleId :

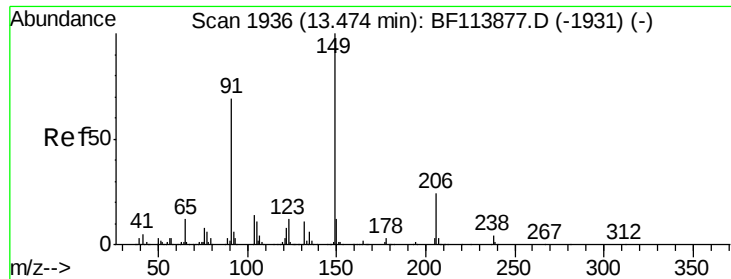
Tot Ion:240 Resp: 181186
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.3 13.9
 236 27.1 21.2 31.8



#79
 Terphenyl-d14
 Concen: 12.473 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Tgt Ion:244 Resp: 110237
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 11.9 7.6 11.4#

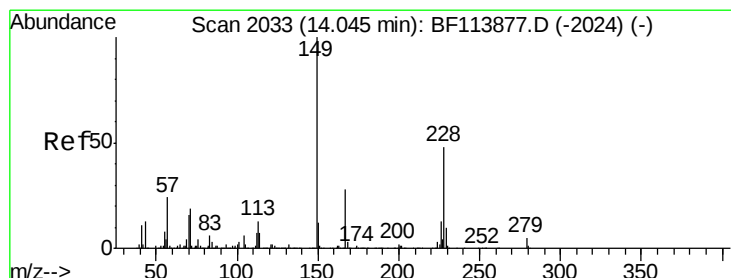
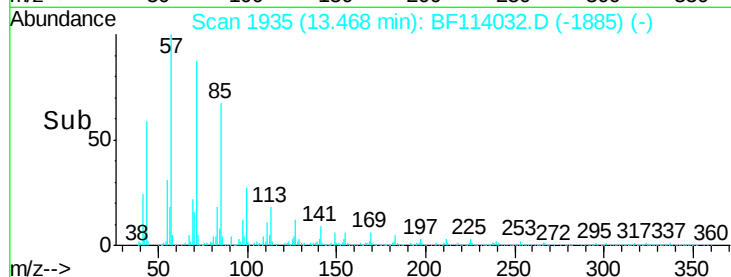
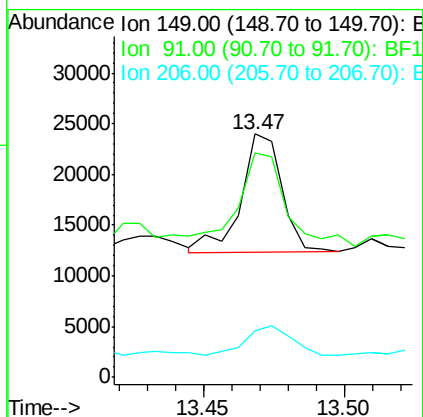
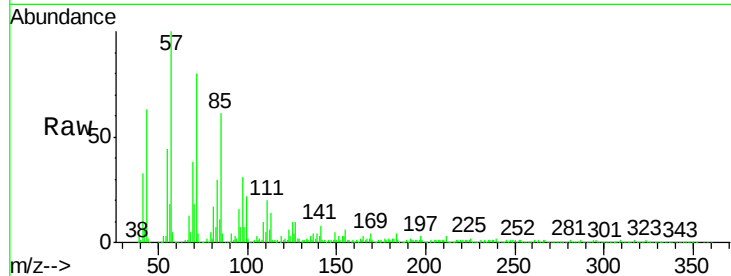




#80
 Butylbenzylphthalate
 Concen: 2.382 ng
 RT: 13.47 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

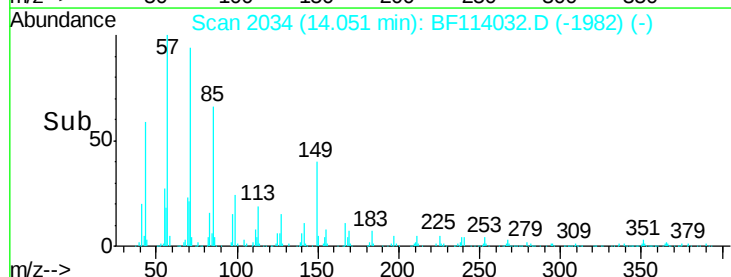
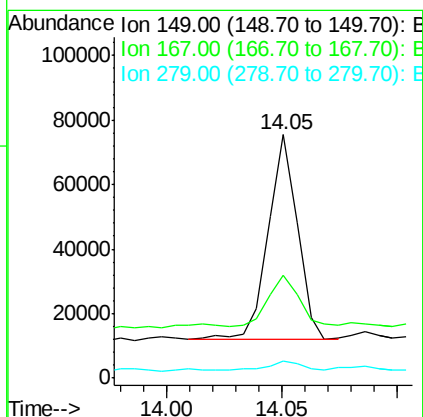
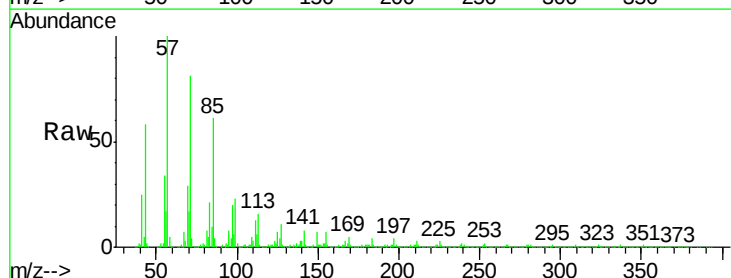
Instrument :
 BNA_F
 ClientSampleId :

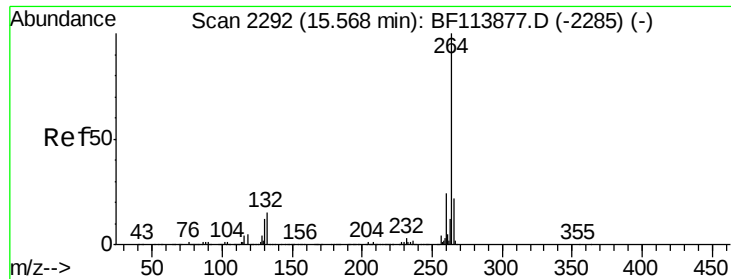
Tot Ion:149 Resp: 11877
 Ion Ratio Lower Upper
 149 100
 91 92.3 56.3 84.5#
 206 19.3 19.0 28.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.947 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF114032.D
 Acq: 29 Apr 2019 19:28

Tgt Ion:149 Resp: 56746
 Ion Ratio Lower Upper
 149 100
 167 42.1 22.9 34.3#
 279 7.0 4.2 6.2#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.02 min
Lab File: BF114032.D
Acq: 29 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	199835
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.9	17.3	25.9

