

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113977.D
 Acq On : 25 Apr 2019 15:12
 Operator : JU/SJ
 Sample : PB119163BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:15:40 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

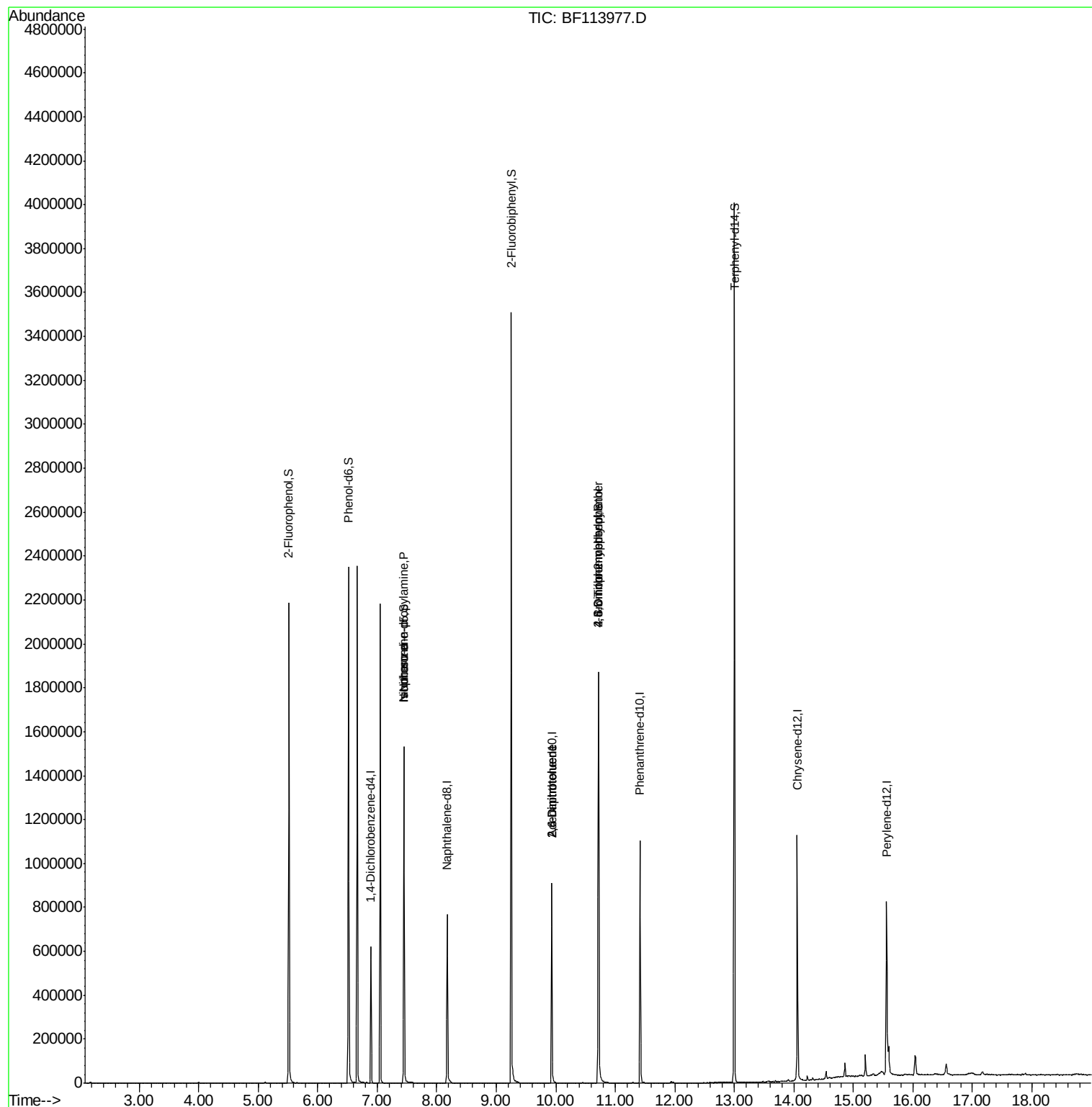
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	97044	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	365631	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	195557	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	422017	20.00	ng	0.00
76) Chrysene-d12	14.06	240	412054	20.00	ng	-0.01
87) Perylene-d12	15.56	264	446076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	658102	115.99	ng	0.00
7) Phenol-d6	6.52	99	845943	118.84	ng	0.00
23) Nitrobenzene-d5	7.45	82	505225	85.32	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	301427	126.53	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1086456	86.89	ng	0.00
79) Terphenyl-d14	13.00	244	1520687	75.66	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	15506	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.45	70	66281	14.378 ng	#	79
25) Isophorone	7.45	82	505218	41.696 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	24659	8.127 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	24659	6.439 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	362	7.467 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	18627	3.654 ng	#	1

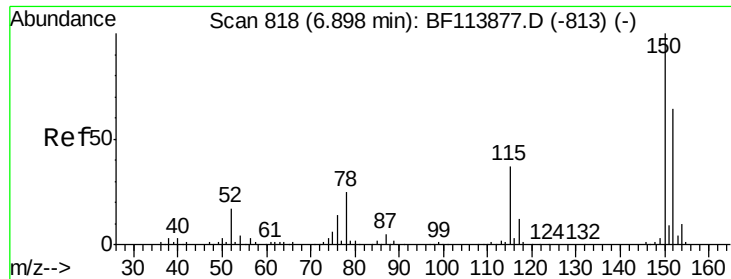
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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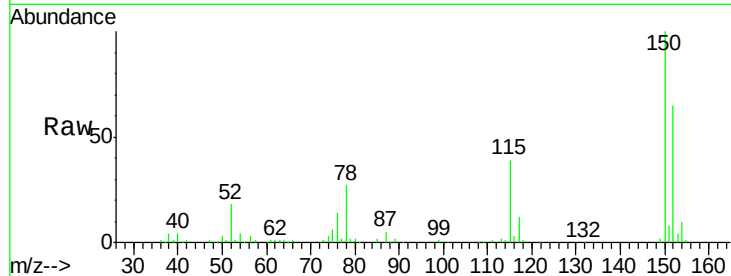


#1

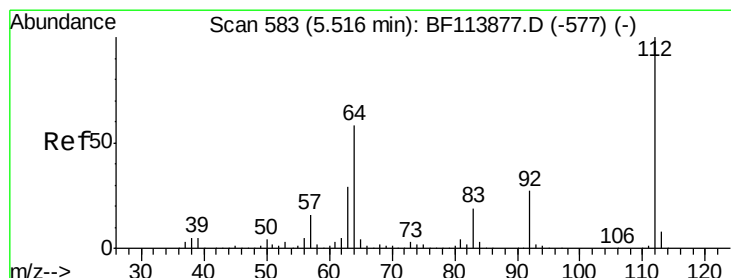
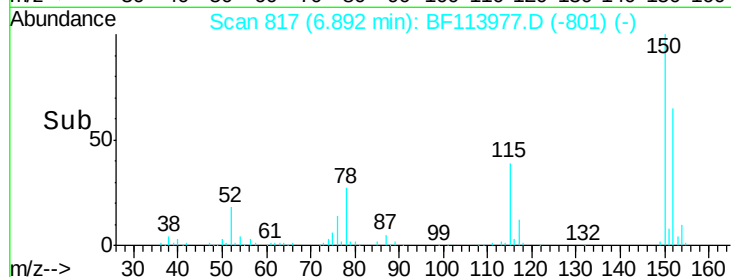
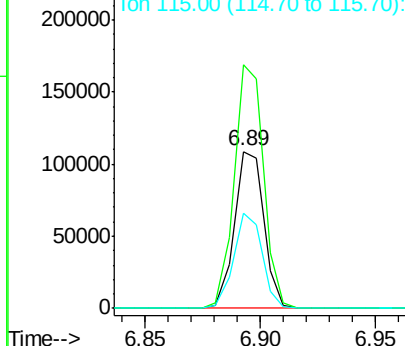
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113977.D
Acq: 25 Apr 2019 15:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97044
Ion Ratio Lower Upper
152 100
150 155.0 125.9 188.9
115 60.4 45.9 68.9



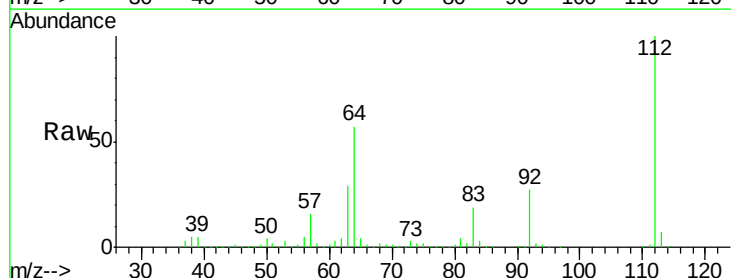
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



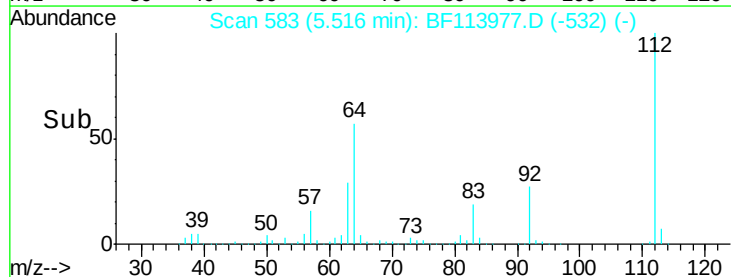
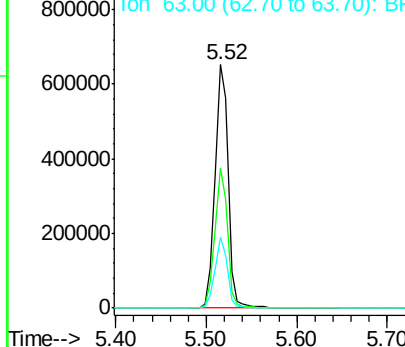
#5

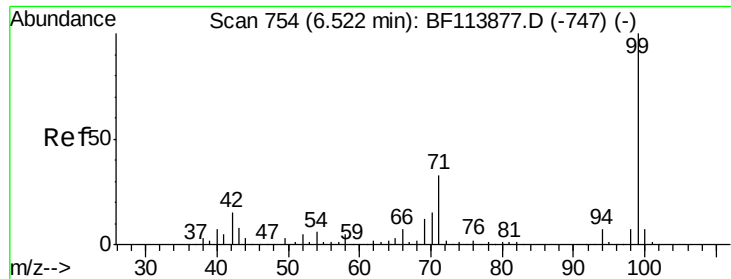
2-Fluorophenol
Concen: 115.987 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113977.D
Acq: 25 Apr 2019 15:12

Tgt Ion:112 Resp: 658102
Ion Ratio Lower Upper
112 100
64 57.4 46.6 69.8
63 29.3 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: 118.836 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

Instrument :

BNA_F

ClientSampleId :

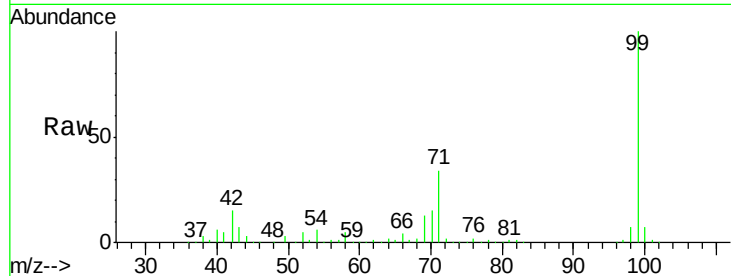
Tot Ion: 99 Resp: 845943

Ion Ratio Lower Upper

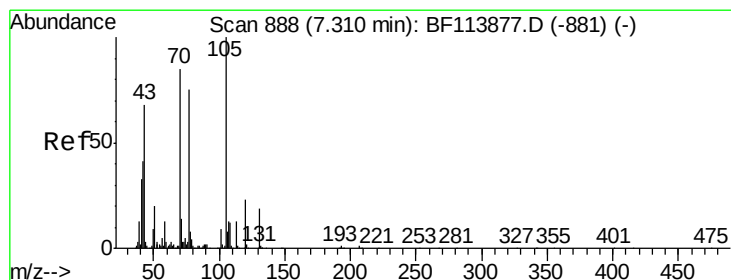
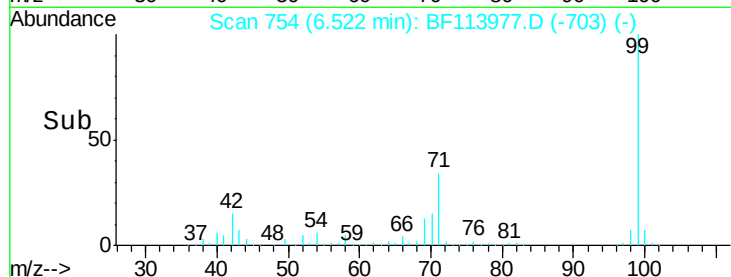
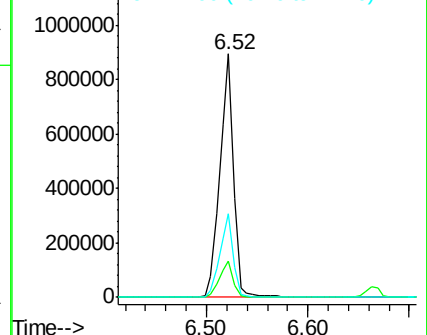
99 100

42 14.9 12.5 18.7

71 34.2 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: 14.378 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

Tgt Ion: 70 Resp: 66281

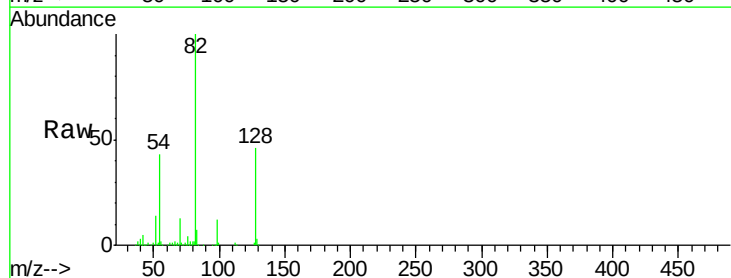
Ion Ratio Lower Upper

70 100

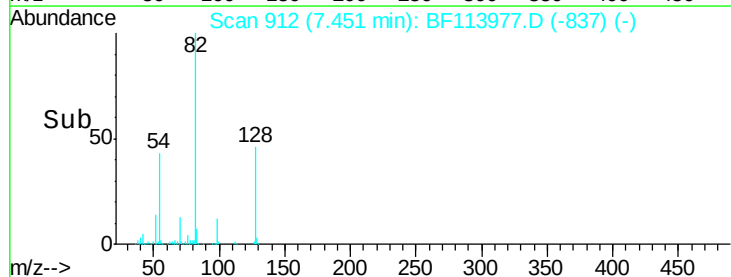
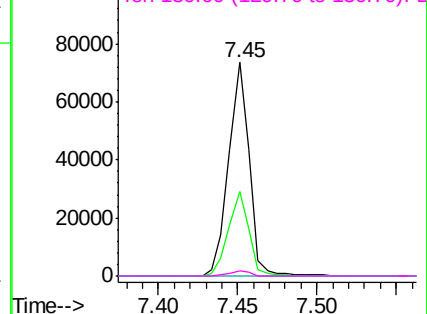
42 39.6 37.3 55.9

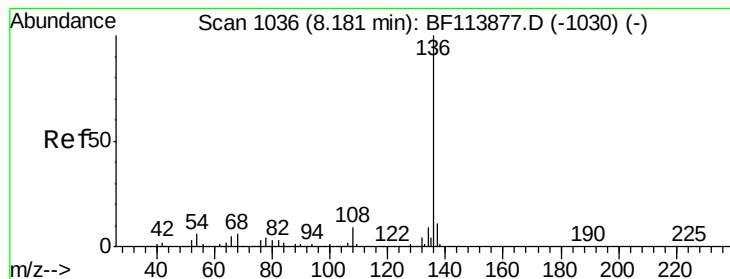
101 0.0 7.8 11.8#

130 2.5 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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 365631

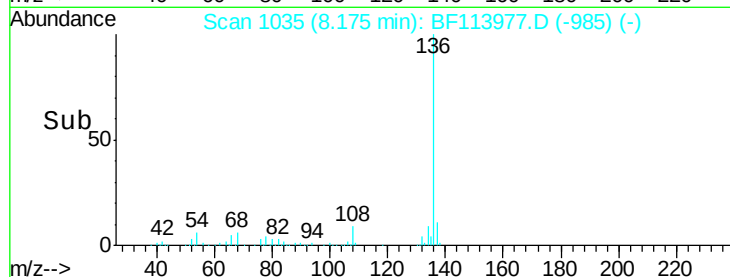
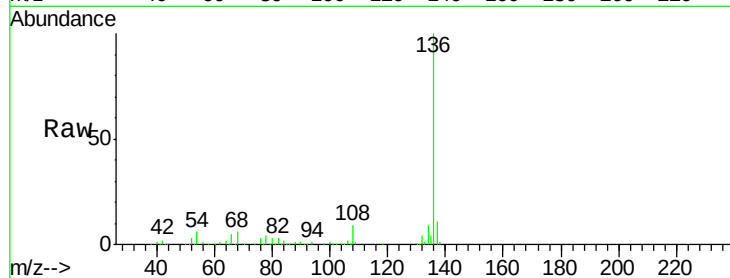
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.2 5.0 7.6

68 6.3 4.9 7.3

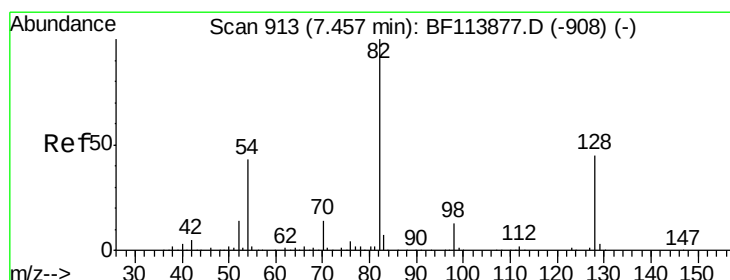
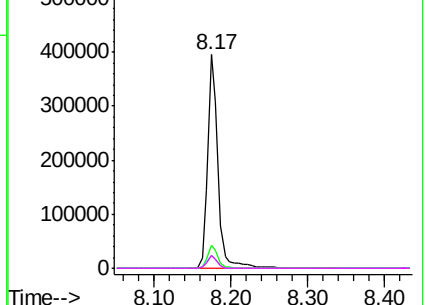


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.317 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

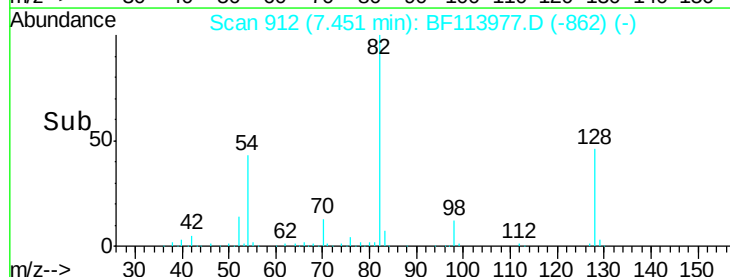
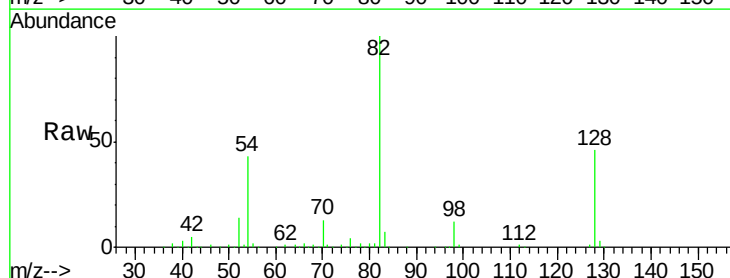
Tgt Ion: 82 Resp: 505225

Ion Ratio Lower Upper

82 100

128 46.0 36.8 55.2

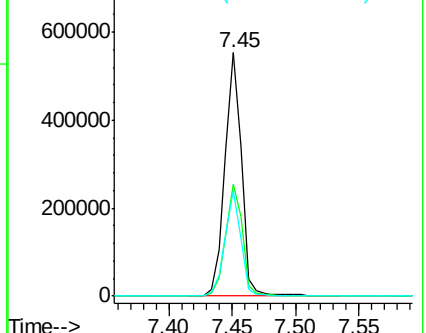
54 43.1 33.8 50.6

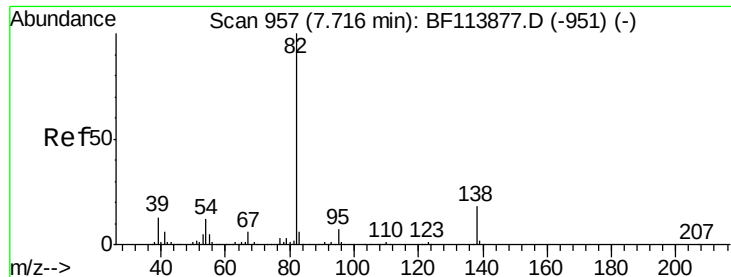


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.696 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

Instrument :

BNA_F

ClientSampleId :

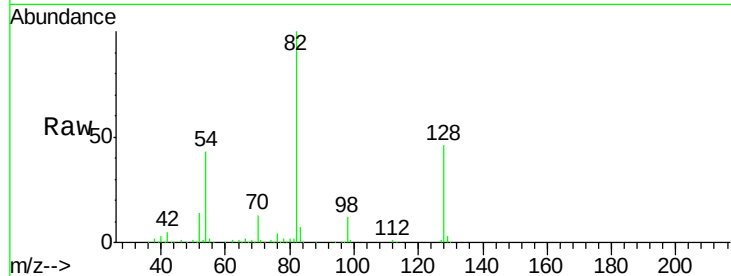
Tot Ion: 82 Resp: 505218

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

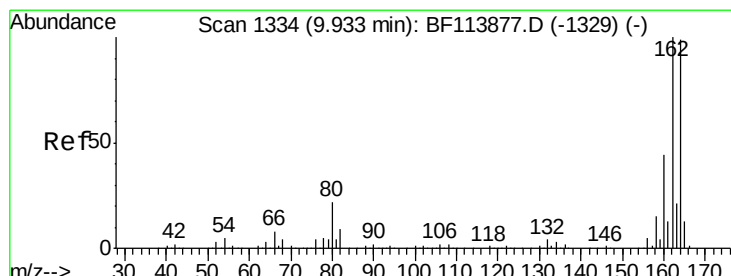
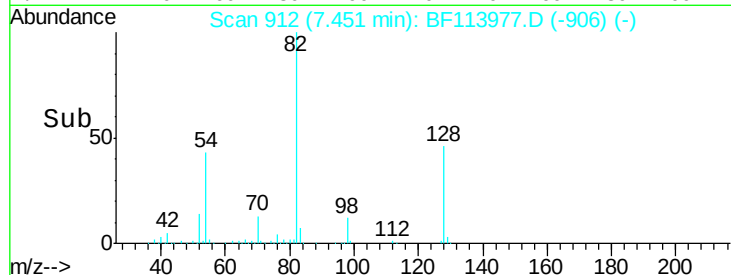
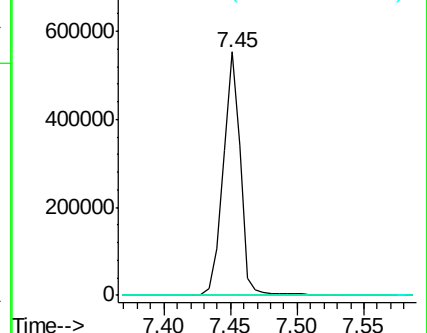
138 0.0 14.6 22.0#



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: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

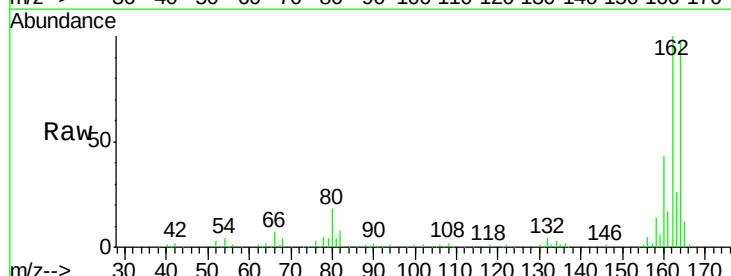
Tgt Ion:164 Resp: 195557

Ion Ratio Lower Upper

164 100

162 103.1 81.1 121.7

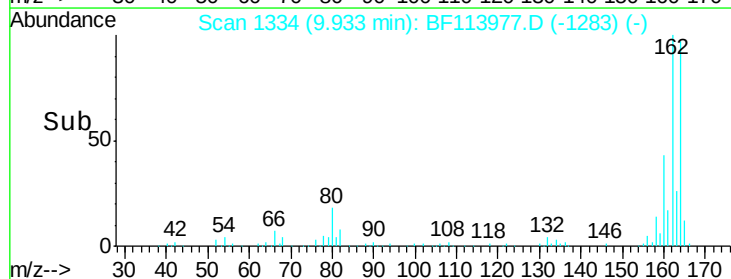
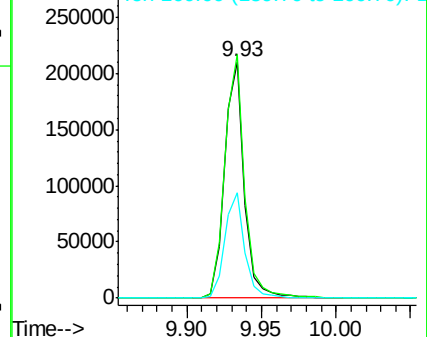
160 44.6 35.8 53.6

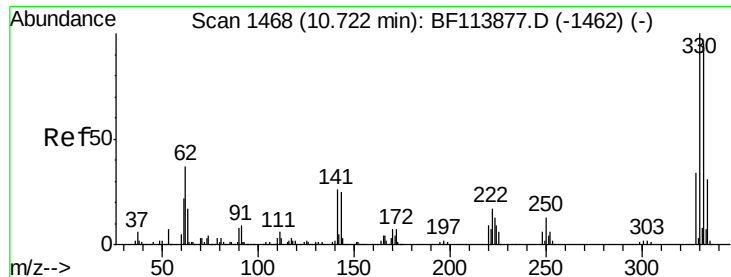


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

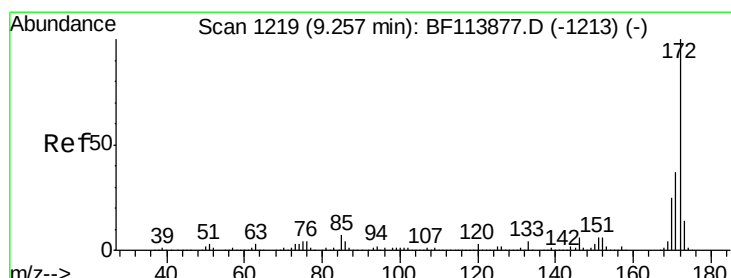
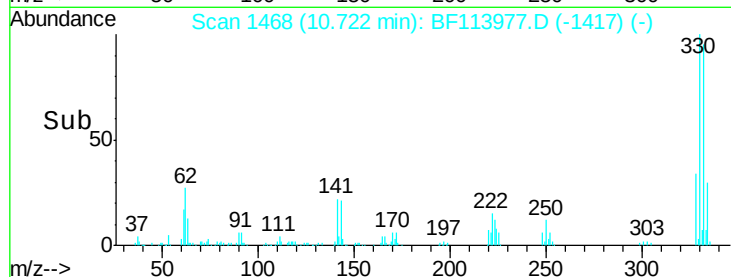
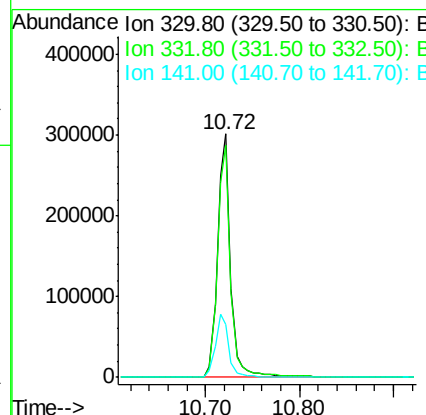
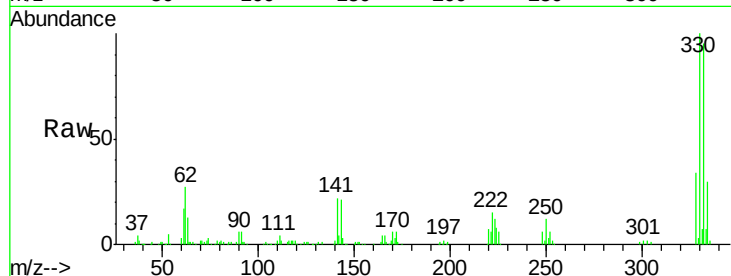




#42
 2,4,6-Tribromophenol
 Concen: 126.529 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113977.D
 Acq: 25 Apr 2019 15:12

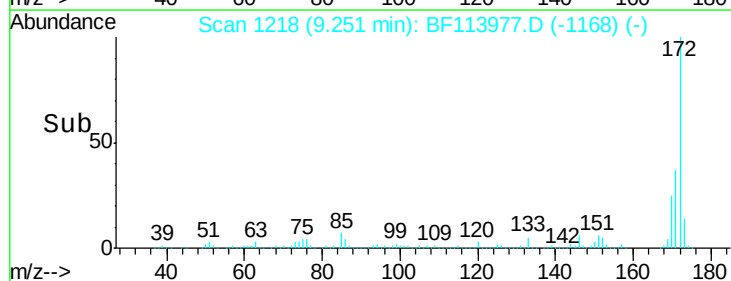
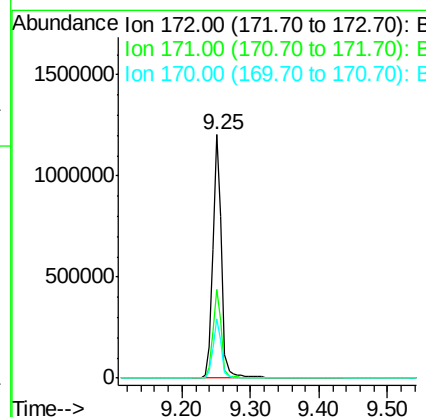
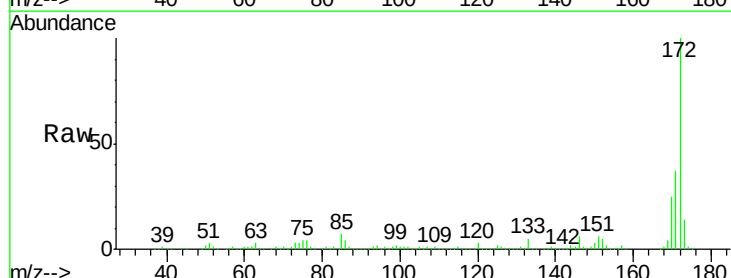
Instrument :
 BNA_F
 ClientSampleId :

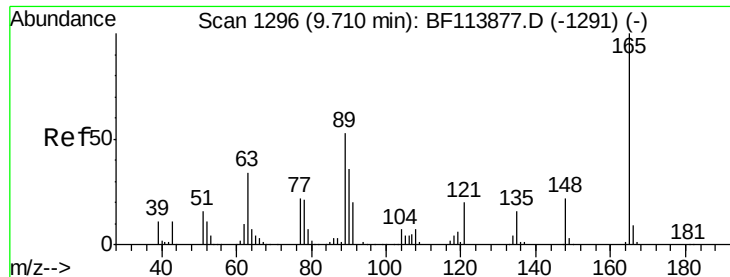
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	26.8	22.2	33.2



#45
 2-Fluorobiphenyl
 Concen: 86.893 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113977.D
 Acq: 25 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.6	19.9	29.9

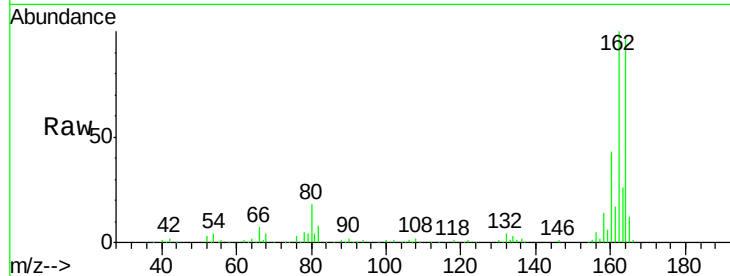




#51
 2,6-Dinitrotoluene
 Concen: 8.127 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113977.D
 Acq: 25 Apr 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :

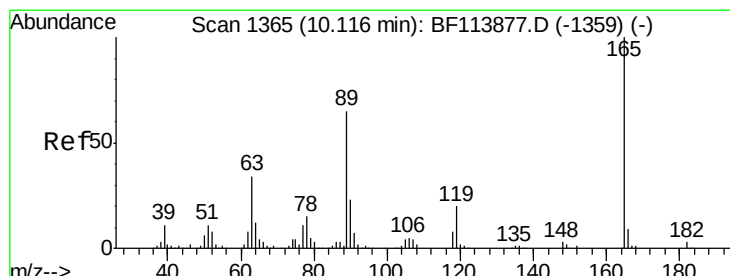
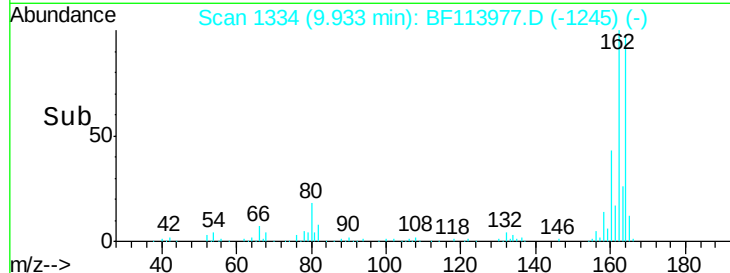
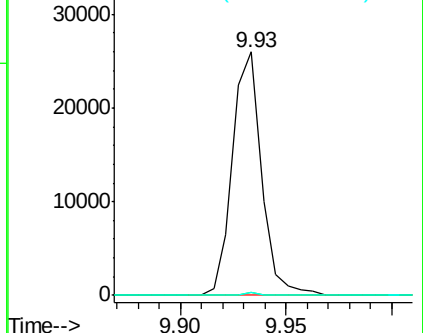
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.2	38.2	57.2#



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



#57
 2,4-Dinitrotoluene
 Concen: 6.439 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113977.D
 Acq: 25 Apr 2019 15:12

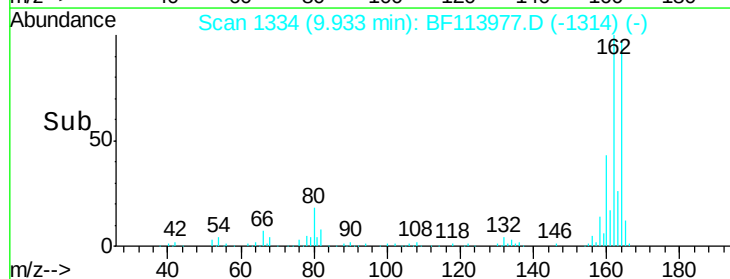
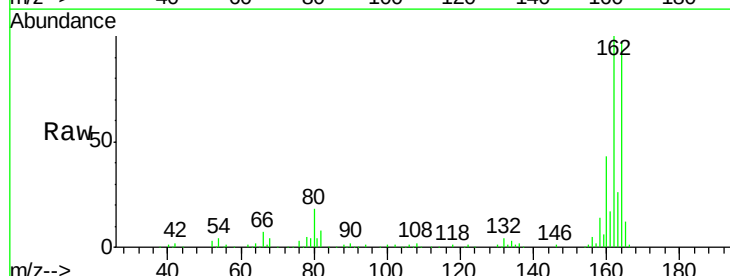
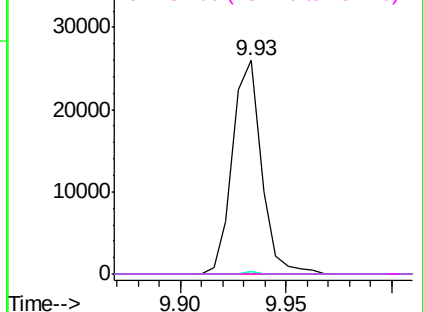
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.4	41.0#
89	1.2	51.8	77.6#
182	0.0	2.2	3.2#

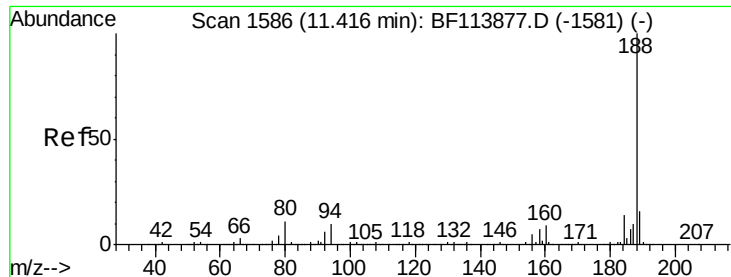
Abundance Ion 165.00 (164.70 to 165.70): E

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

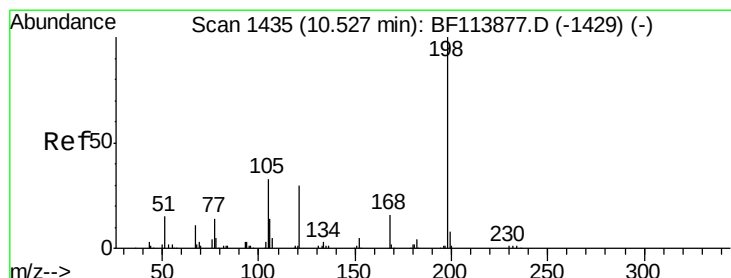
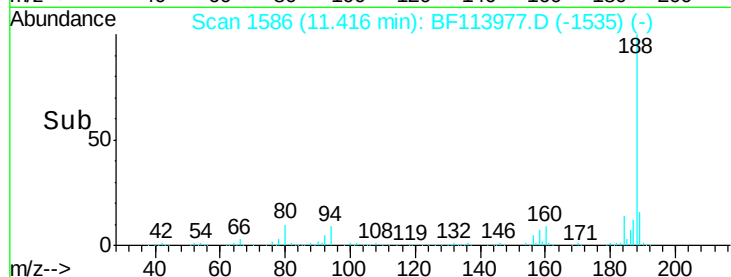
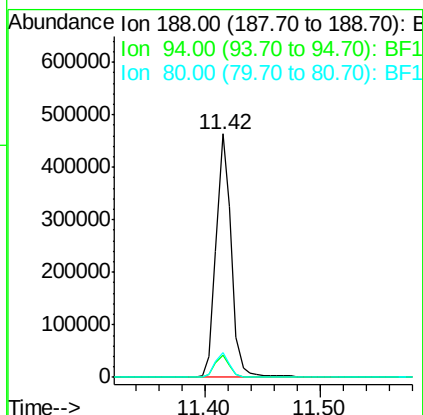
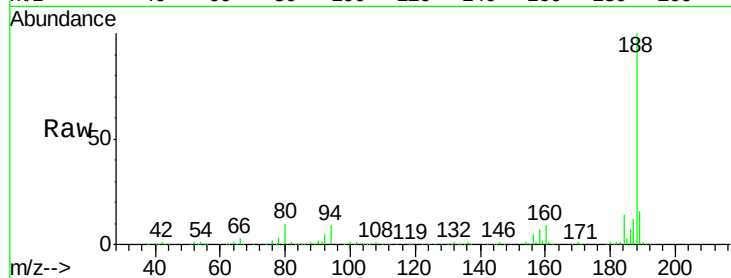




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF113977.D
Acq: 25 Apr 2019 15:12

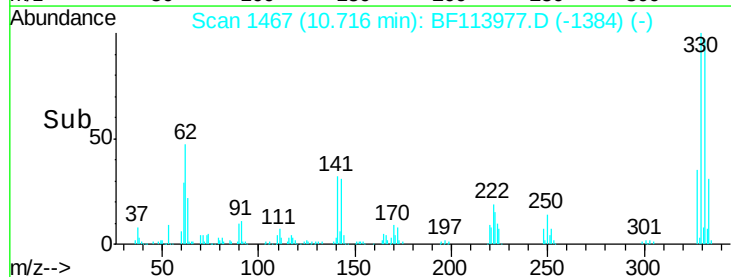
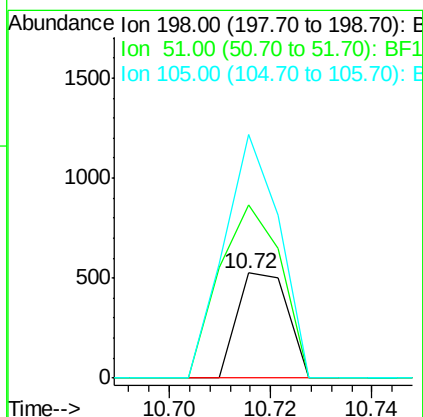
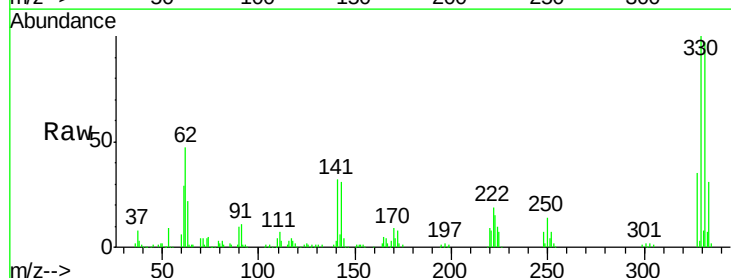
Instrument :
BNA_F
ClientSampleId :

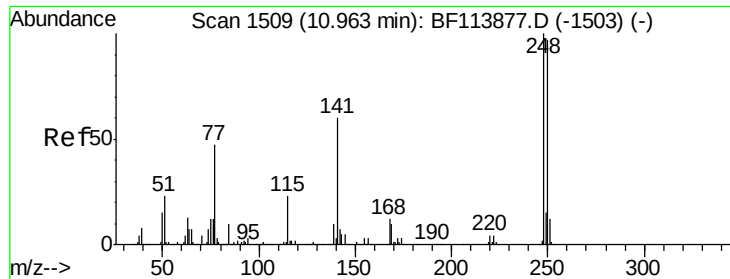
Tot Ion:188 Resp: 422017
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.4
80 10.3 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.467 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF113977.D
Acq: 25 Apr 2019 15:12

Tgt Ion:198 Resp: 362
Ion Ratio Lower Upper
198 100
51 164.8 11.1 51.1#
105 232.0 20.7 60.7#

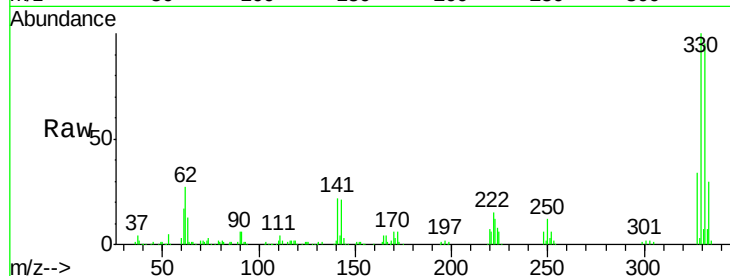




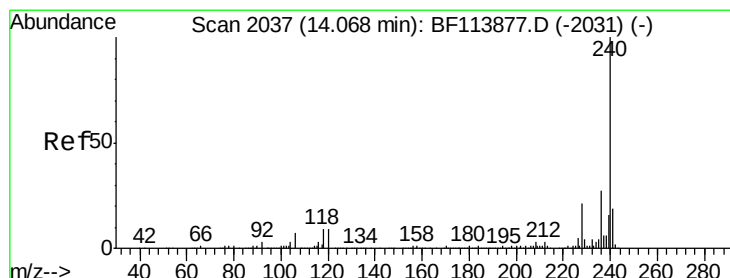
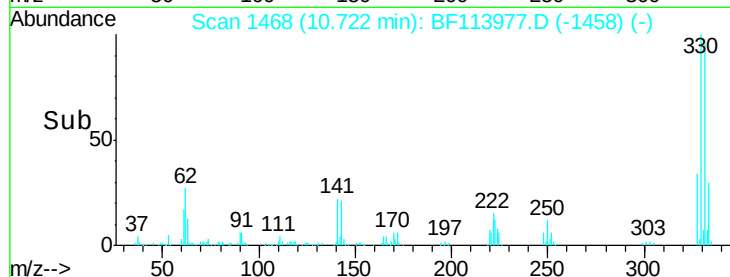
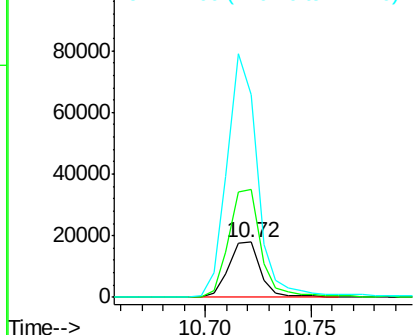
#67
 4-Bromophenyl-phenylether
 Concen: 3.654 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF113977.D
 Acq: 25 Apr 2019 15:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 18627
 Ion Ratio Lower Upper
 248 100
 250 197.2 75.8 113.6#
 141 370.1 50.2 75.4#

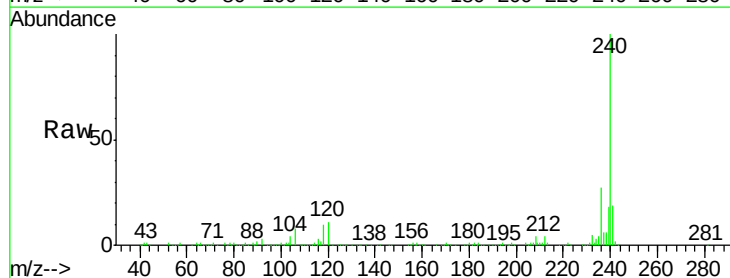


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

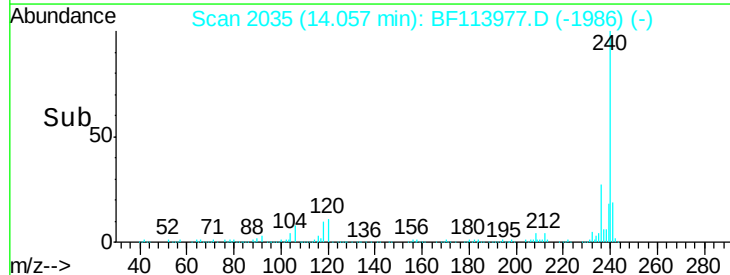
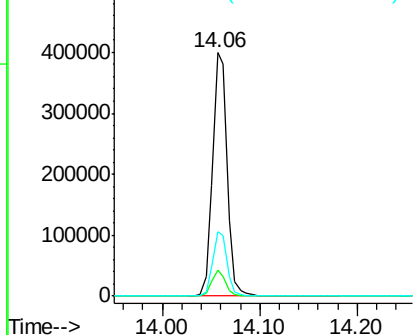


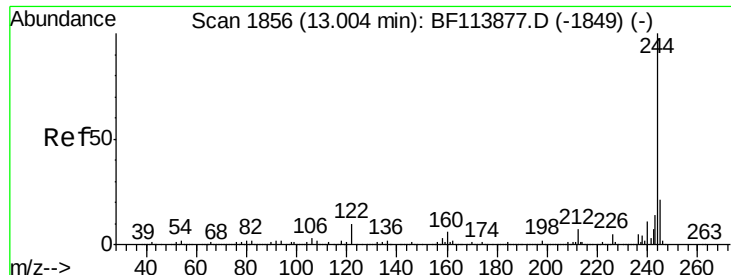
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF113977.D
 Acq: 25 Apr 2019 15:12

Tgt Ion:240 Resp: 412054
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.3 13.9
 236 26.6 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: 75.660 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

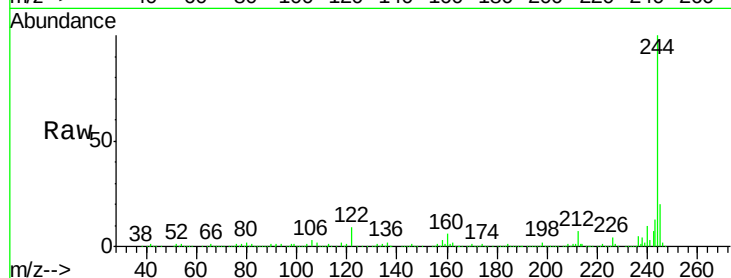
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1520687

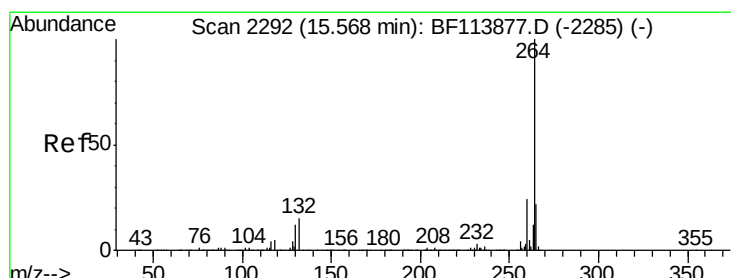
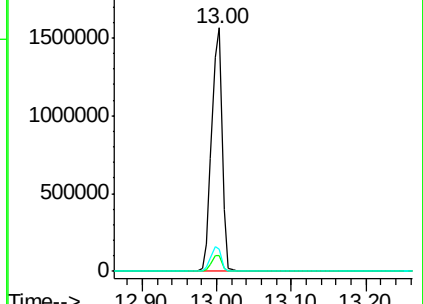
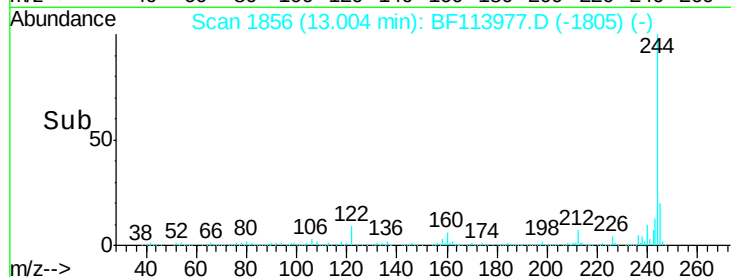
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	9.0	7.6	11.4



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: 15.56 min Scan# 2291

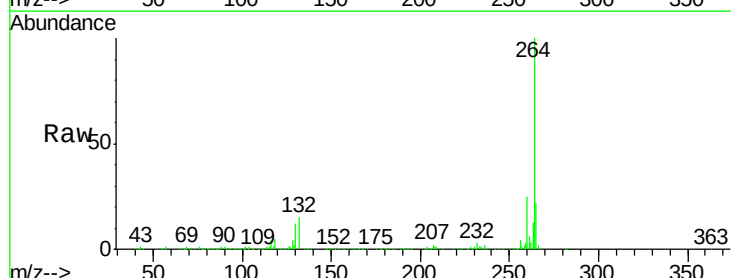
Delta R.T. -0.01 min

Lab File: BF113977.D

Acq: 25 Apr 2019 15:12

Tgt Ion:264 Resp: 446076

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.9	28.3
265	21.6	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

