

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114056.D
 Acq On : 30 Apr 2019 21:28
 Operator : JU/SJ
 Sample : PB119350BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:05:22 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

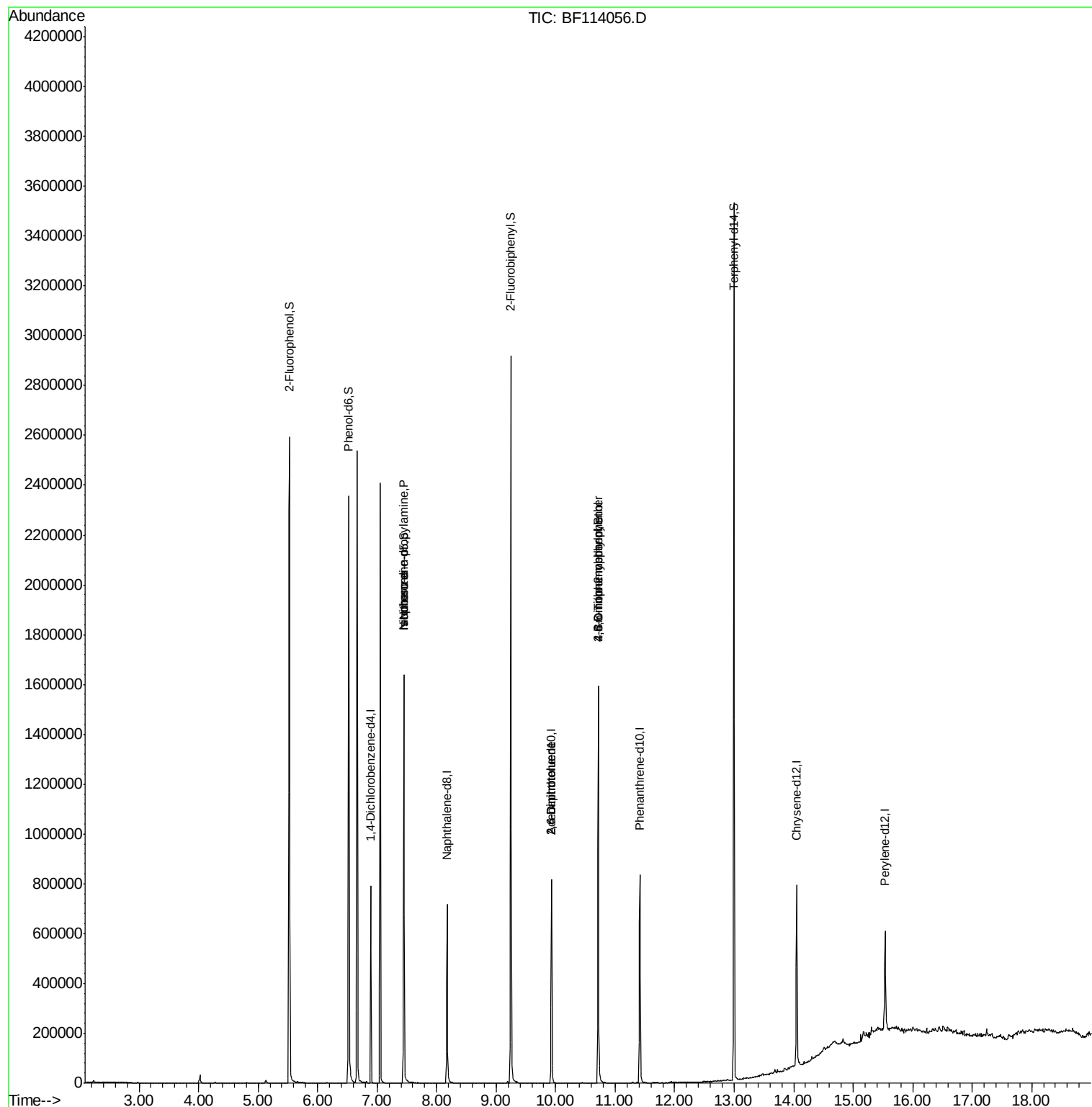
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	113900	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	359063	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	188531	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	350788	20.00	ng	0.00
76) Chrysene-d12	14.05	240	253129	20.00	ng	-0.02
87) Perylene-d12	15.54	264	217871	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	799196	120.01	ng	0.01
7) Phenol-d6	6.52	99	955277	114.34	ng	0.00
23) Nitrobenzene-d5	7.45	82	555423	95.51	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	226952	98.82	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	957727	79.45	ng	0.00
79) Terphenyl-d14	13.00	244	1222121	98.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	17270	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.45	70	72902	13.474 ng	#	77
25) Isophorone	7.45	82	555491	46.683 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	23705	8.104 ng	#	32
57) 2,4-Dinitrotoluene	9.93	165	23705	6.420 ng	#	28
65) 4,6-Dinitro-2-methylphenol	10.72	198	176	7.401 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	13807	3.258 ng	#	1

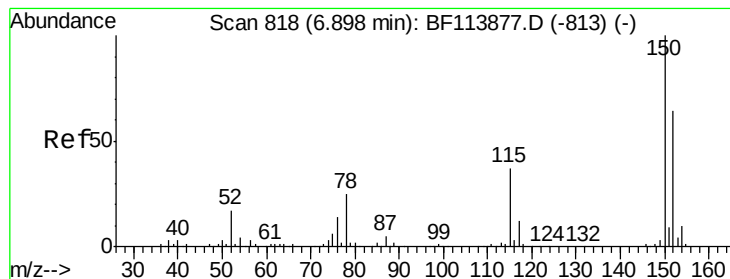
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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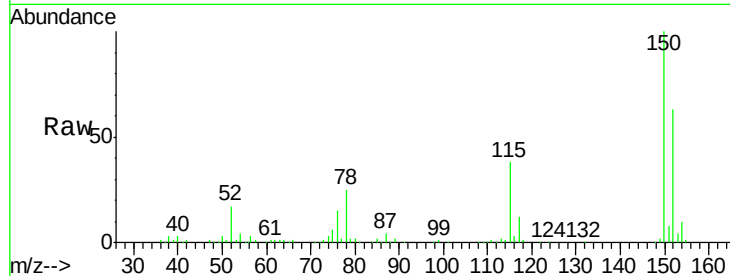


#1

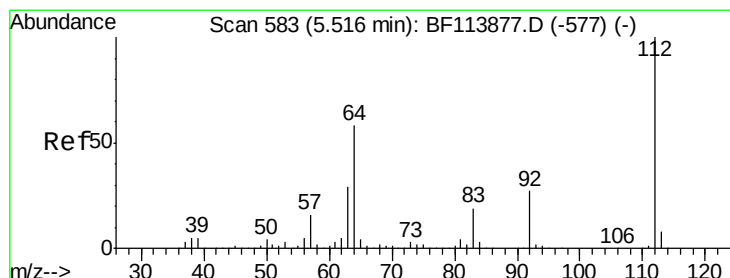
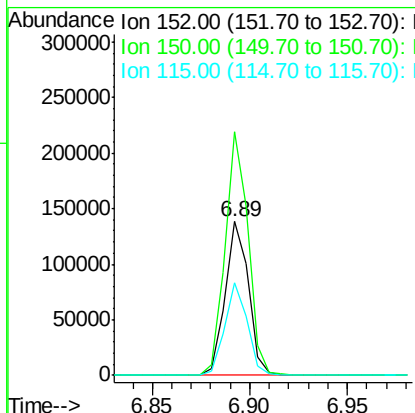
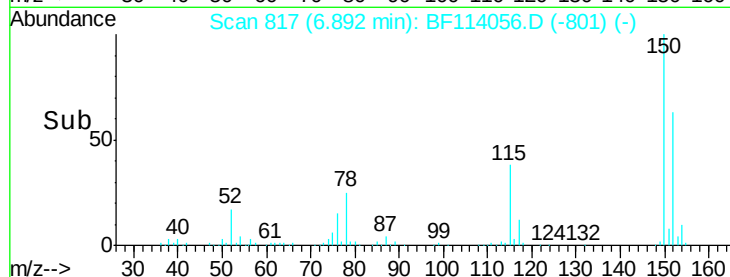
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114056.D
Acq: 30 Apr 2019 21:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.9	188.9
115	60.6	45.9	68.9



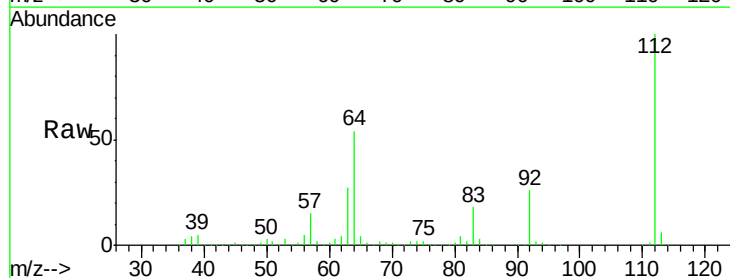
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



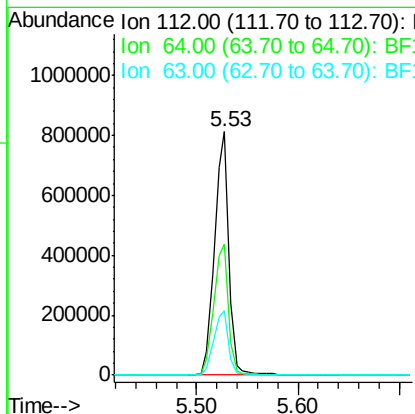
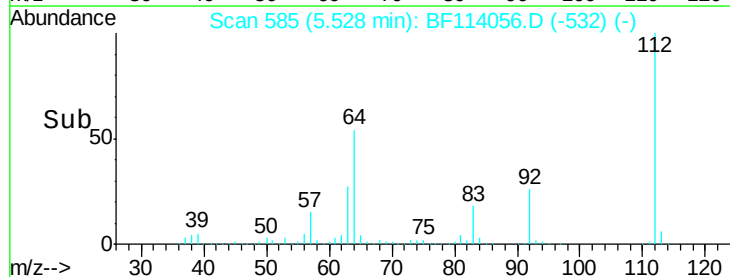
#5

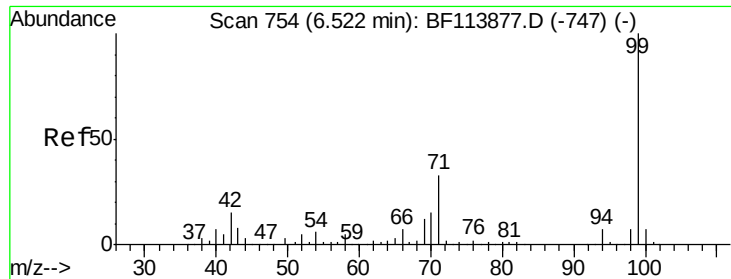
2-Fluorophenol
Concen: 120.010 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF114056.D
Acq: 30 Apr 2019 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.6	69.8
63	26.7	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: 114.335 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

Instrument :

BNA_F

ClientSampled :

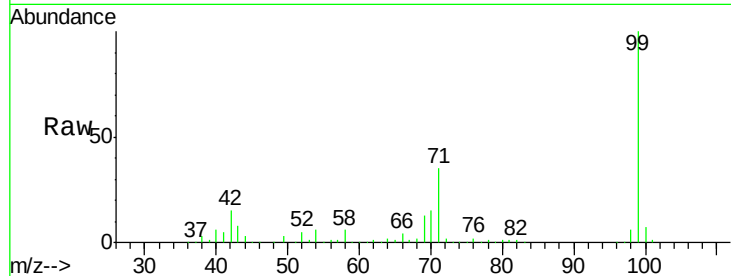
Tot Ion: 99 Resp: 955277

Ion Ratio Lower Upper

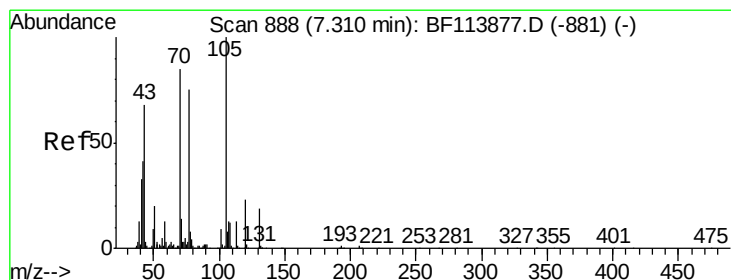
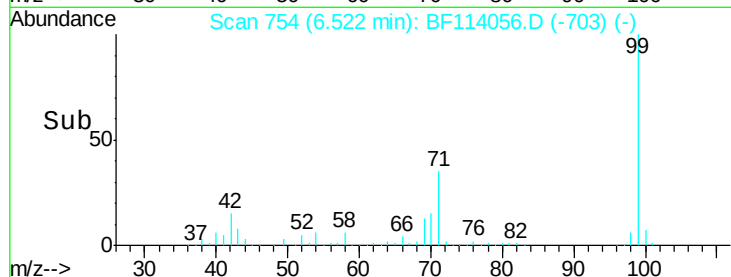
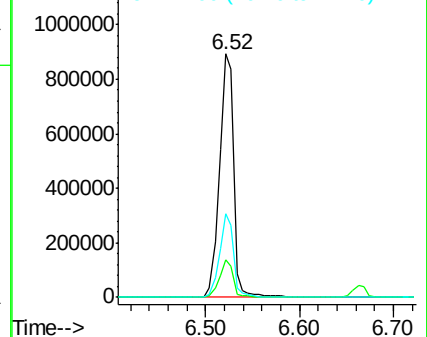
99 100

42 15.3 12.5 18.7

71 34.5 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: 13.474 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

Tgt Ion: 70 Resp: 72902

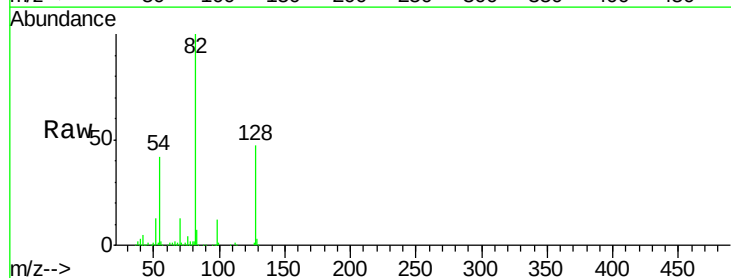
Ion Ratio Lower Upper

70 100

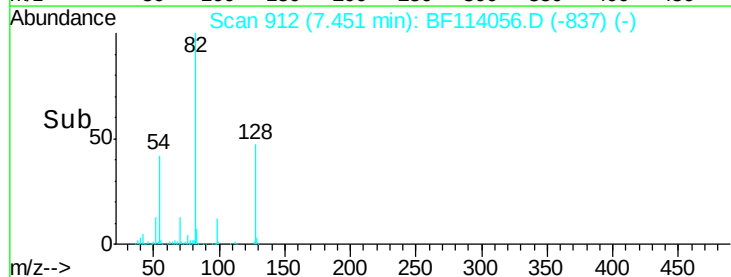
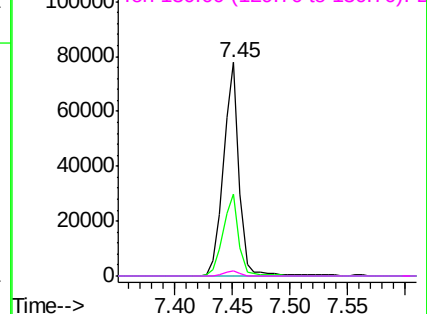
42 38.3 37.3 55.9

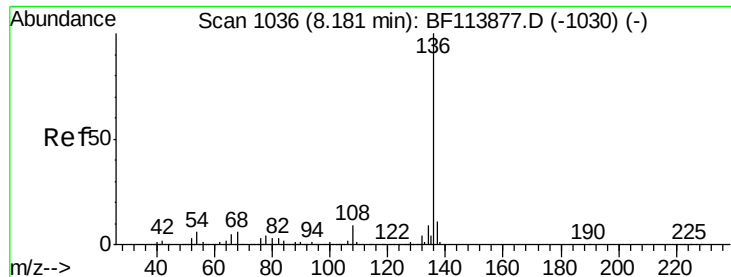
101 0.0 7.8 11.8#

130 2.4 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: BF114056.D

Acq: 30 Apr 2019 21:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 359063

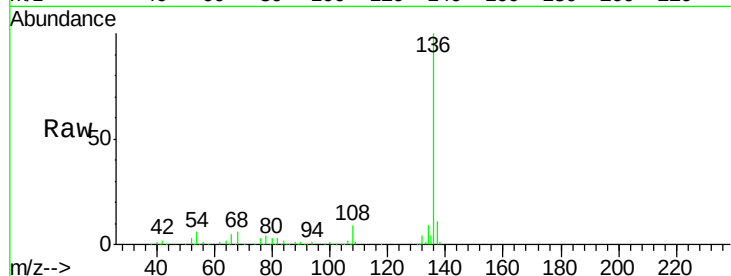
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 5.8 5.0 7.6

68 6.1 4.9 7.3

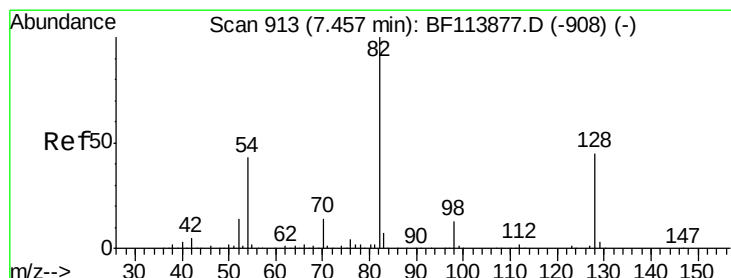
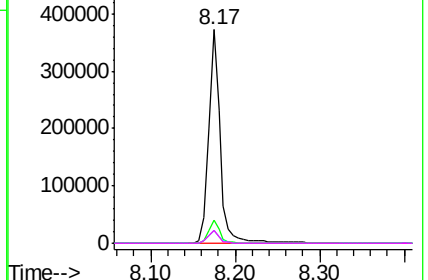
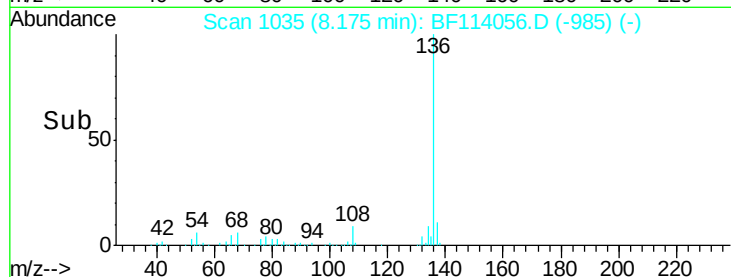


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.510 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

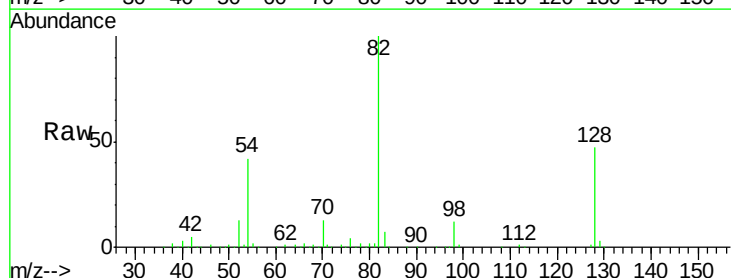
Tgt Ion: 82 Resp: 555423

Ion Ratio Lower Upper

82 100

128 47.5 36.8 55.2

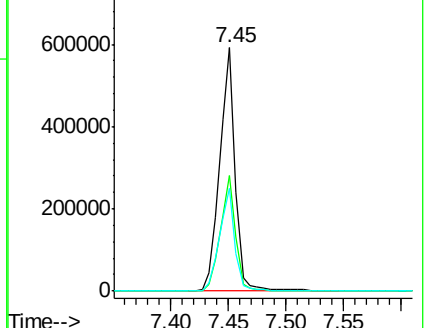
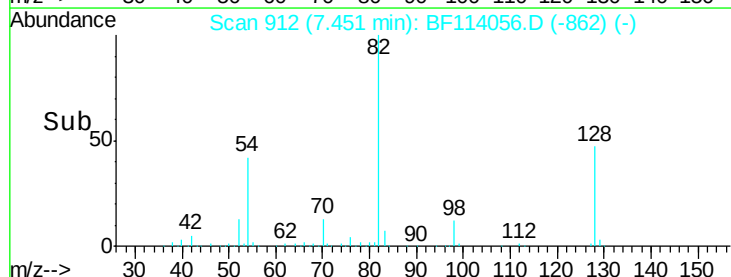
54 42.0 33.8 50.6

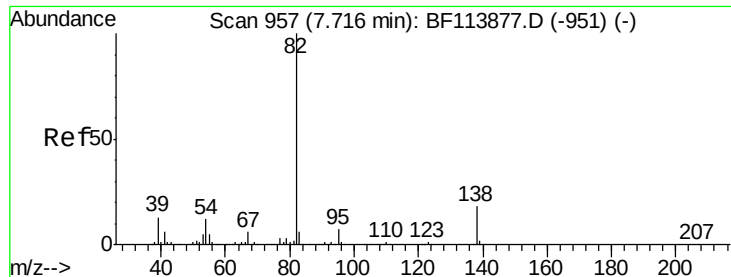


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.683 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

Instrument :

BNA_F

ClientSampleId :

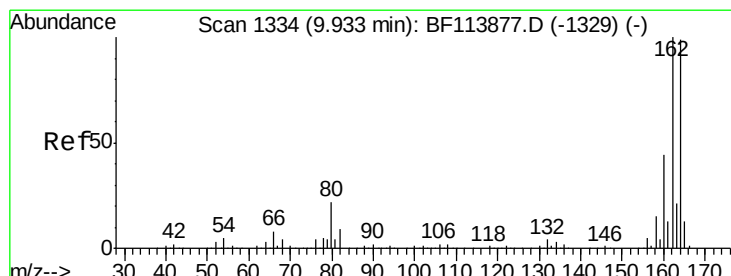
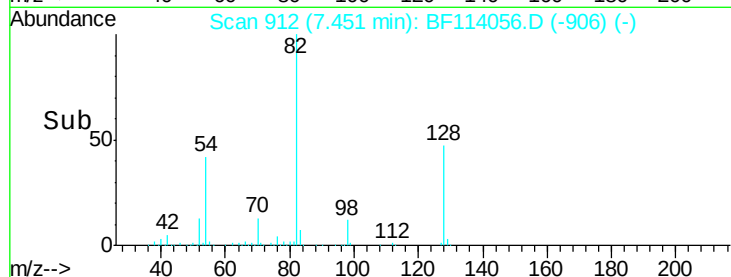
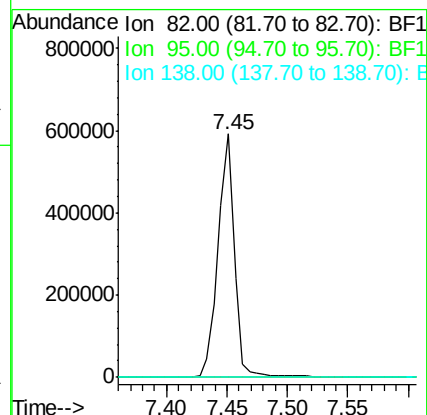
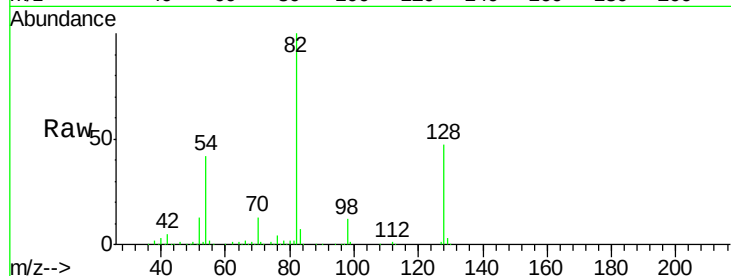
Tot Ion: 82 Resp: 555491

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

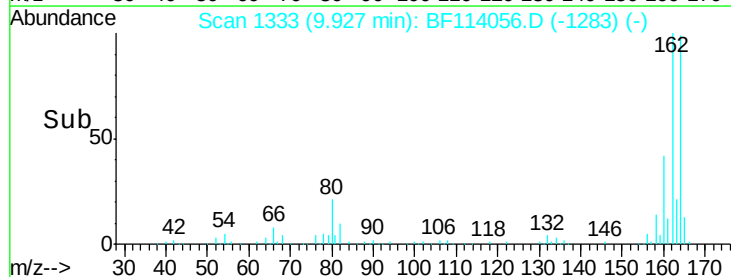
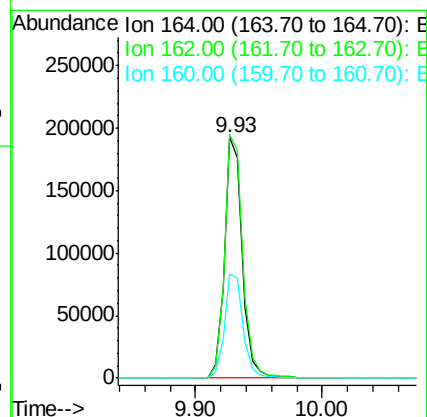
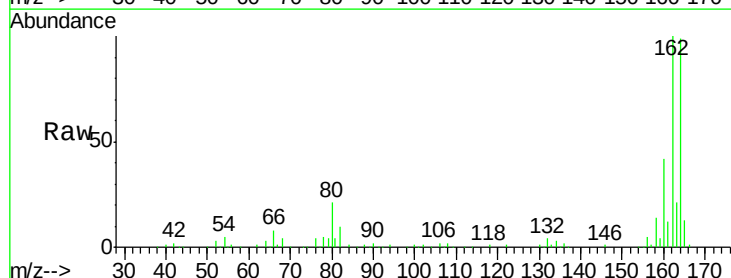
Tgt Ion: 164 Resp: 188531

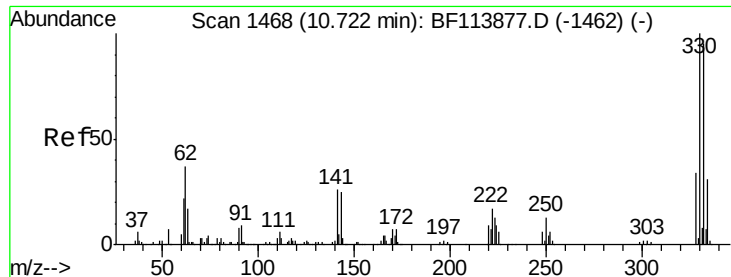
Ion Ratio Lower Upper

164 100

162 101.2 81.1 121.7

160 43.0 35.8 53.6

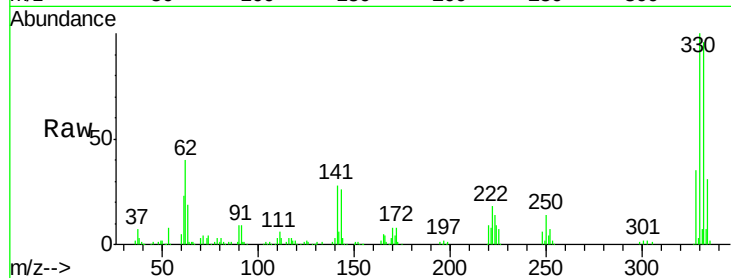




#42
 2,4,6-Tribromophenol
 Concen: 98.817 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF114056.D
 Acq: 30 Apr 2019 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.5	116.3
141	25.7	22.2	33.2

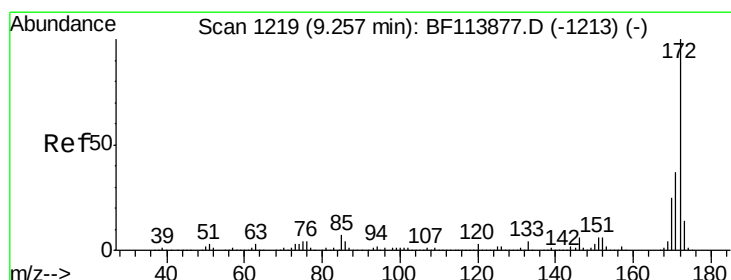
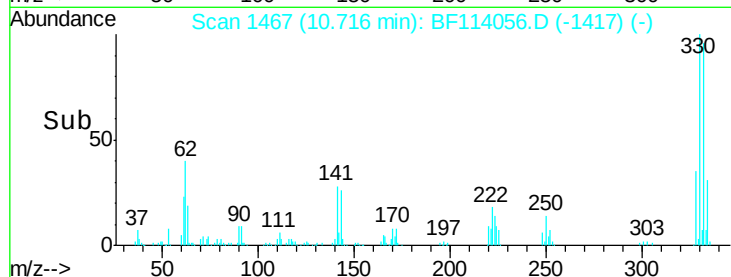
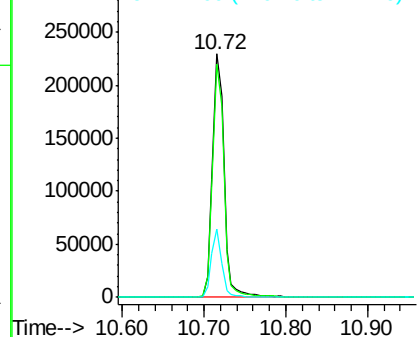


Abundance

Ion 329.80 (329.50 to 330.50): E

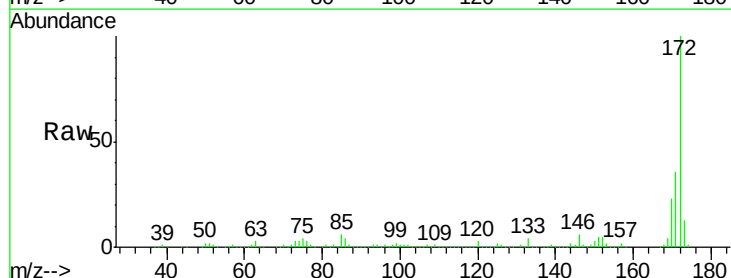
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.452 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF114056.D
 Acq: 30 Apr 2019 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.4	19.9	29.9

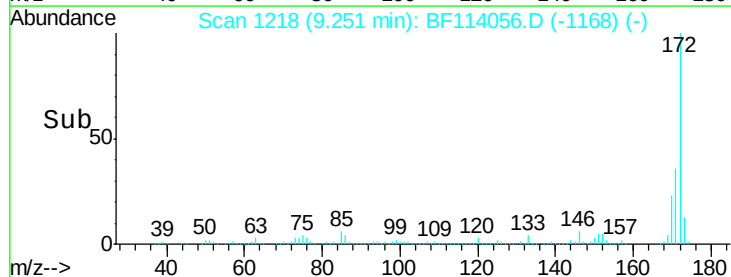
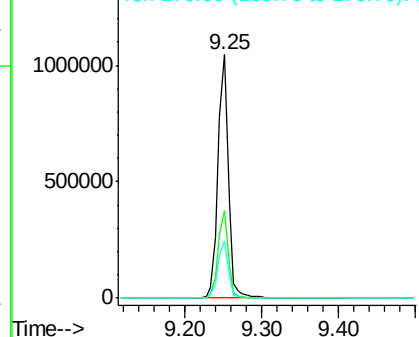


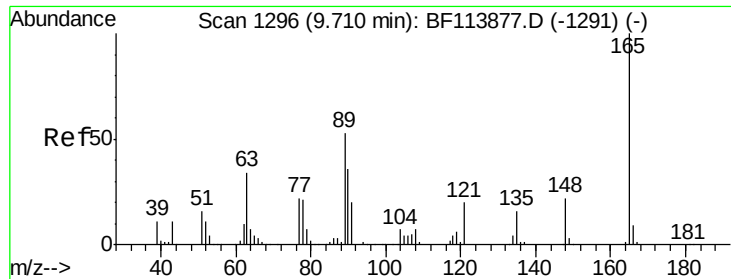
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

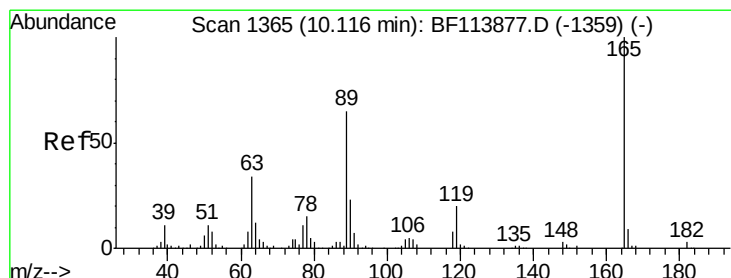
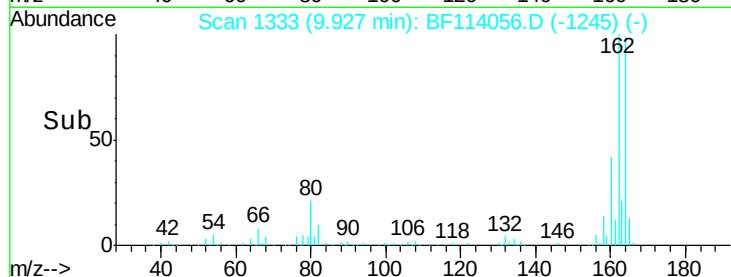
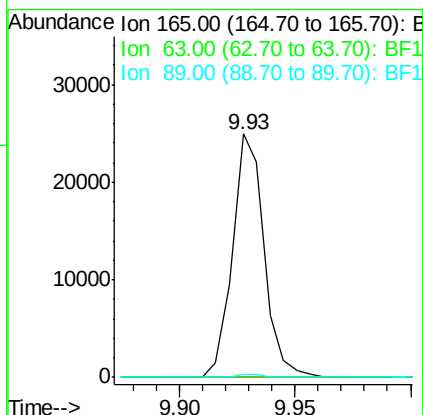
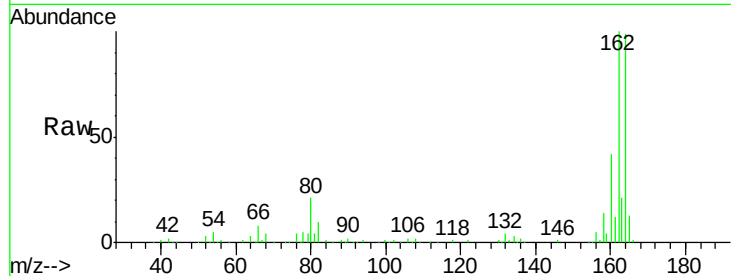




#51
 2,6-Dinitrotoluene
 Concen: 8.104 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF114056.D
 Acq: 30 Apr 2019 21:28

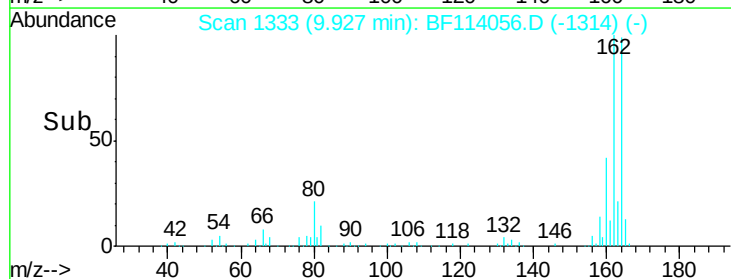
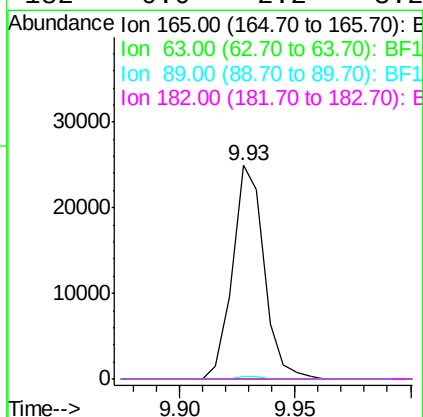
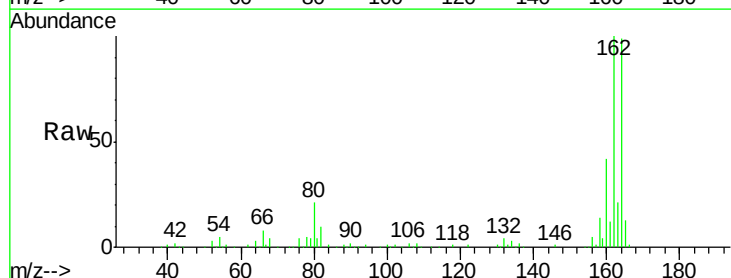
Instrument :
 BNA_F
 ClientSampleId :

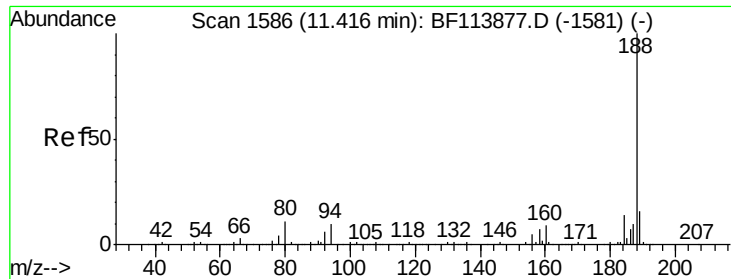
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	1.3	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.420 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF114056.D
 Acq: 30 Apr 2019 21:28

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

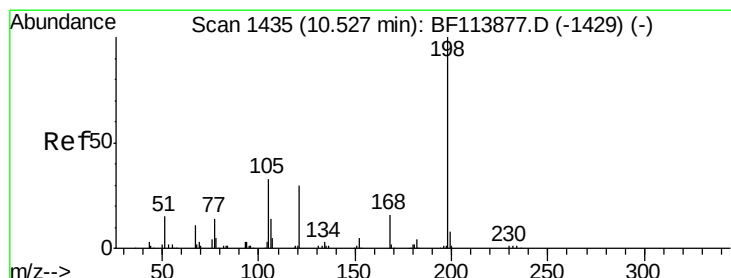
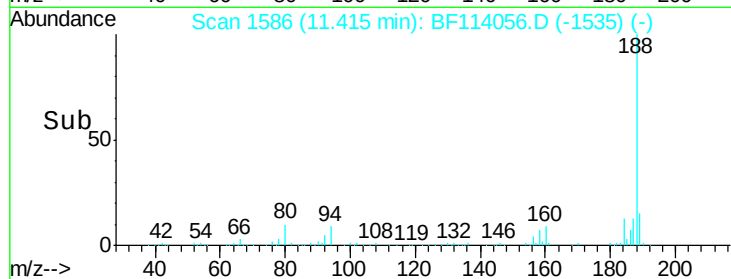
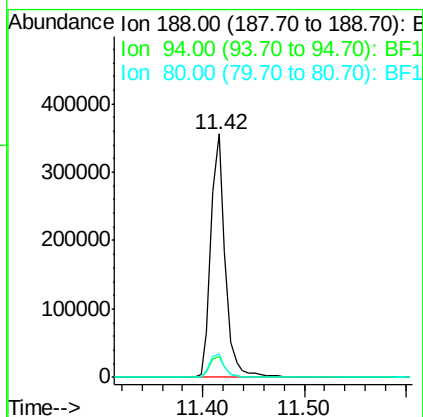
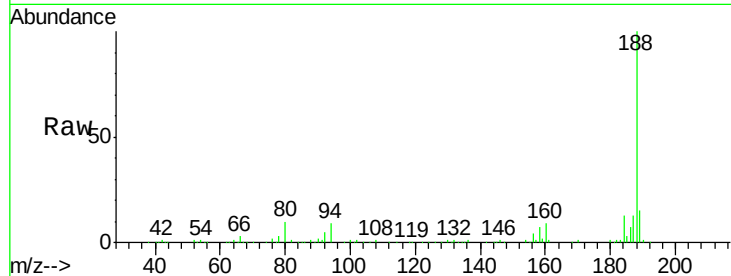




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF114056.D
 Acq: 30 Apr 2019 21:28

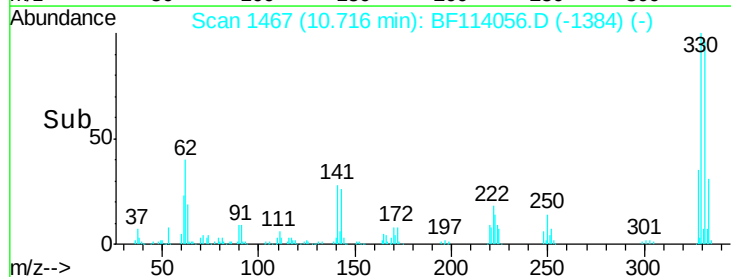
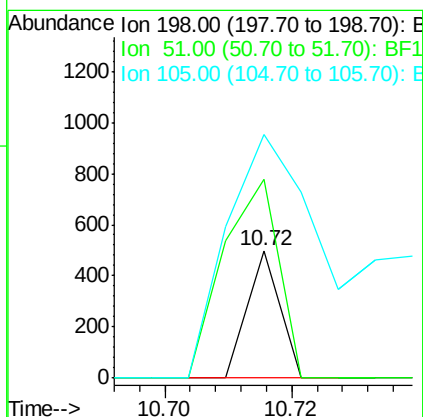
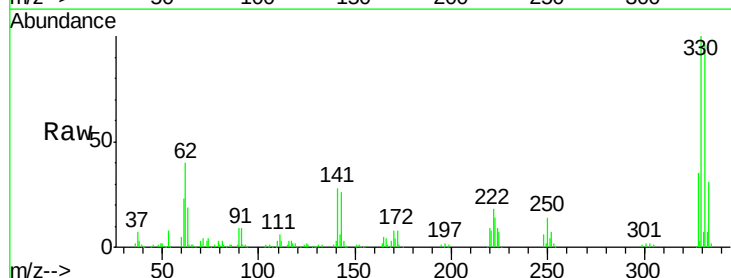
Instrument :
 BNA_F
 ClientSampleId :

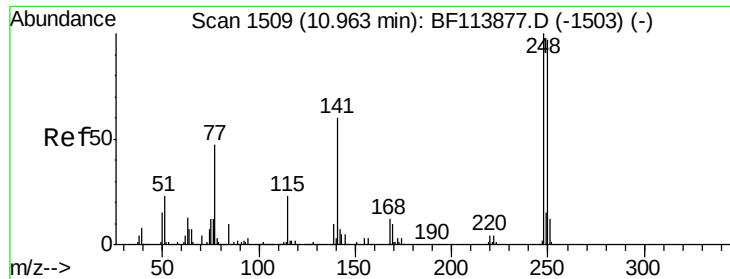
Tot Ion:188 Resp: 350788
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.6 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.401 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF114056.D
 Acq: 30 Apr 2019 21:28

Tgt Ion:198 Resp: 176
 Ion Ratio Lower Upper
 198 100
 51 155.8 11.1 51.1#
 105 191.4 20.7 60.7#

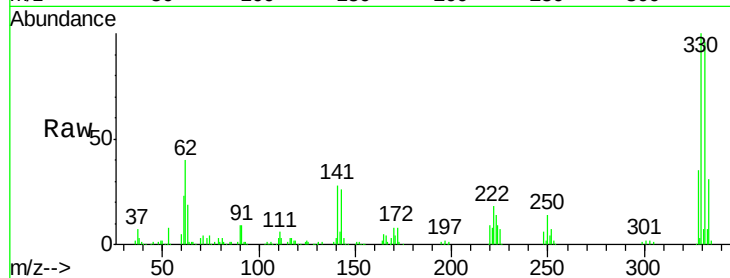




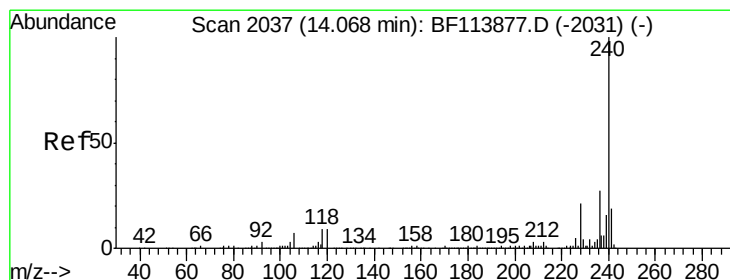
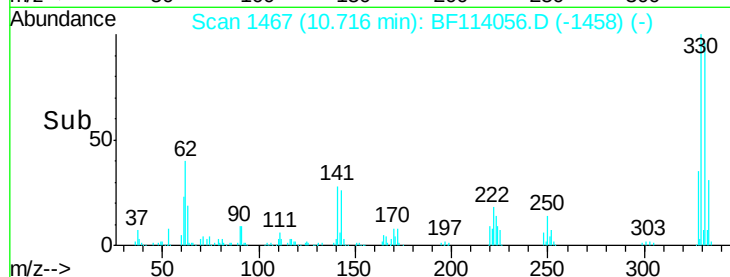
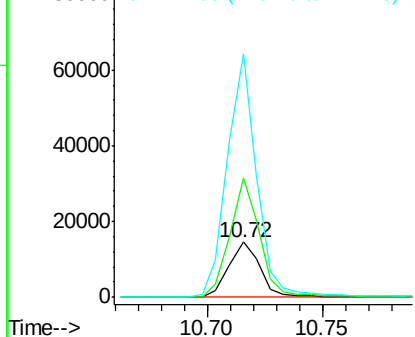
#67
4-Bromophenyl-phenylether
Concen: 3.258 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF114056.D
Acq: 30 Apr 2019 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13807
Ion Ratio Lower Upper
248 100
250 217.0 75.8 113.6#
141 443.2 50.2 75.4#

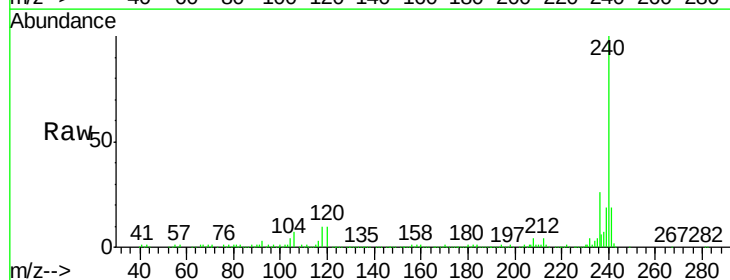


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

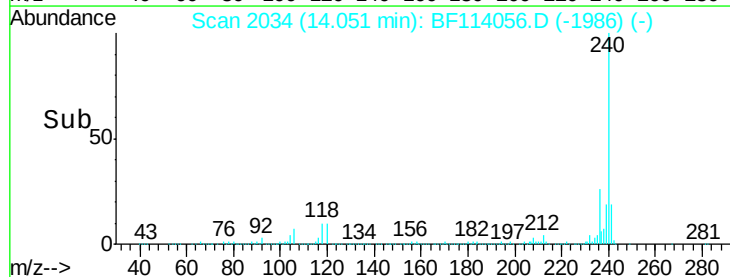
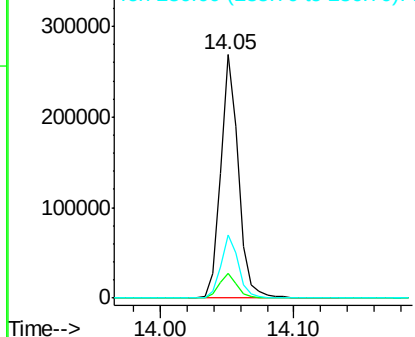


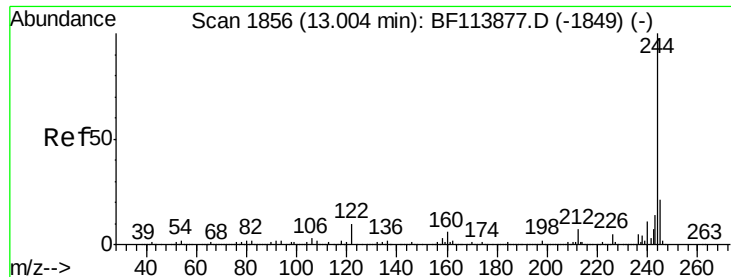
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF114056.D
Acq: 30 Apr 2019 21:28

Tgt Ion:240 Resp: 253129
Ion Ratio Lower Upper
240 100
120 10.2 9.3 13.9
236 25.8 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: 98.982 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

Instrument :

BNA_F

ClientSampleId :

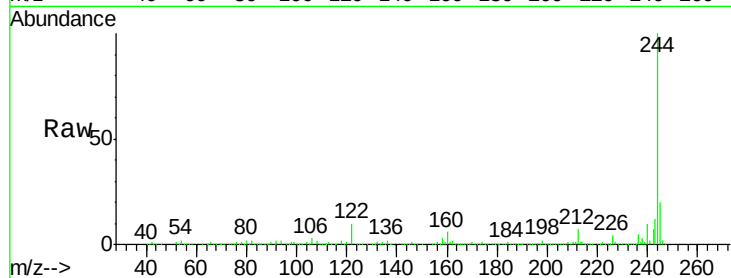
Tot Ion:244 Resp: 1222121

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

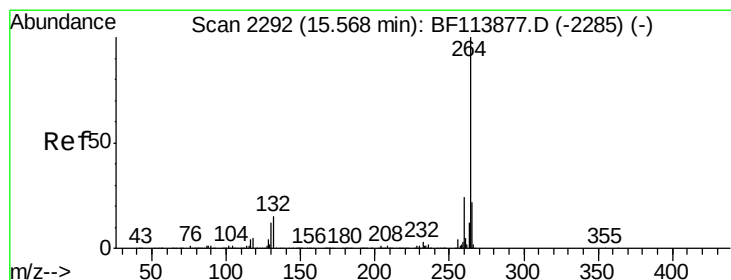
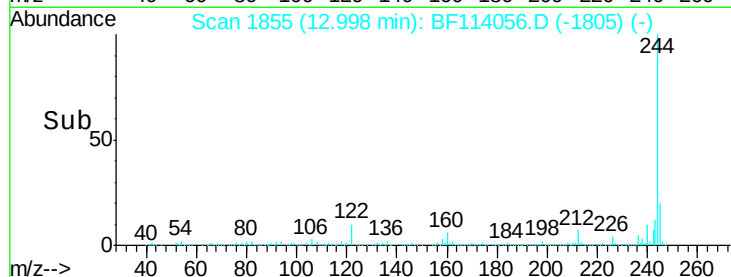
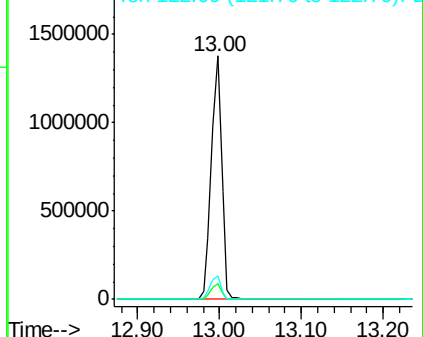
122 9.5 7.6 11.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.03 min

Lab File: BF114056.D

Acq: 30 Apr 2019 21:28

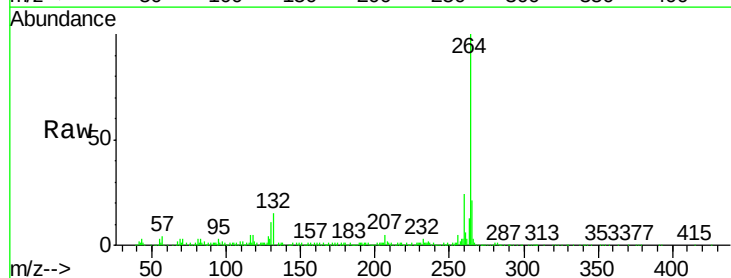
Tgt Ion:264 Resp: 217871

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.0 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

