

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113918.D
 Acq On : 23 Apr 2019 14:21
 Operator : JU/SJ
 Sample : K2532-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 15:39:05 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

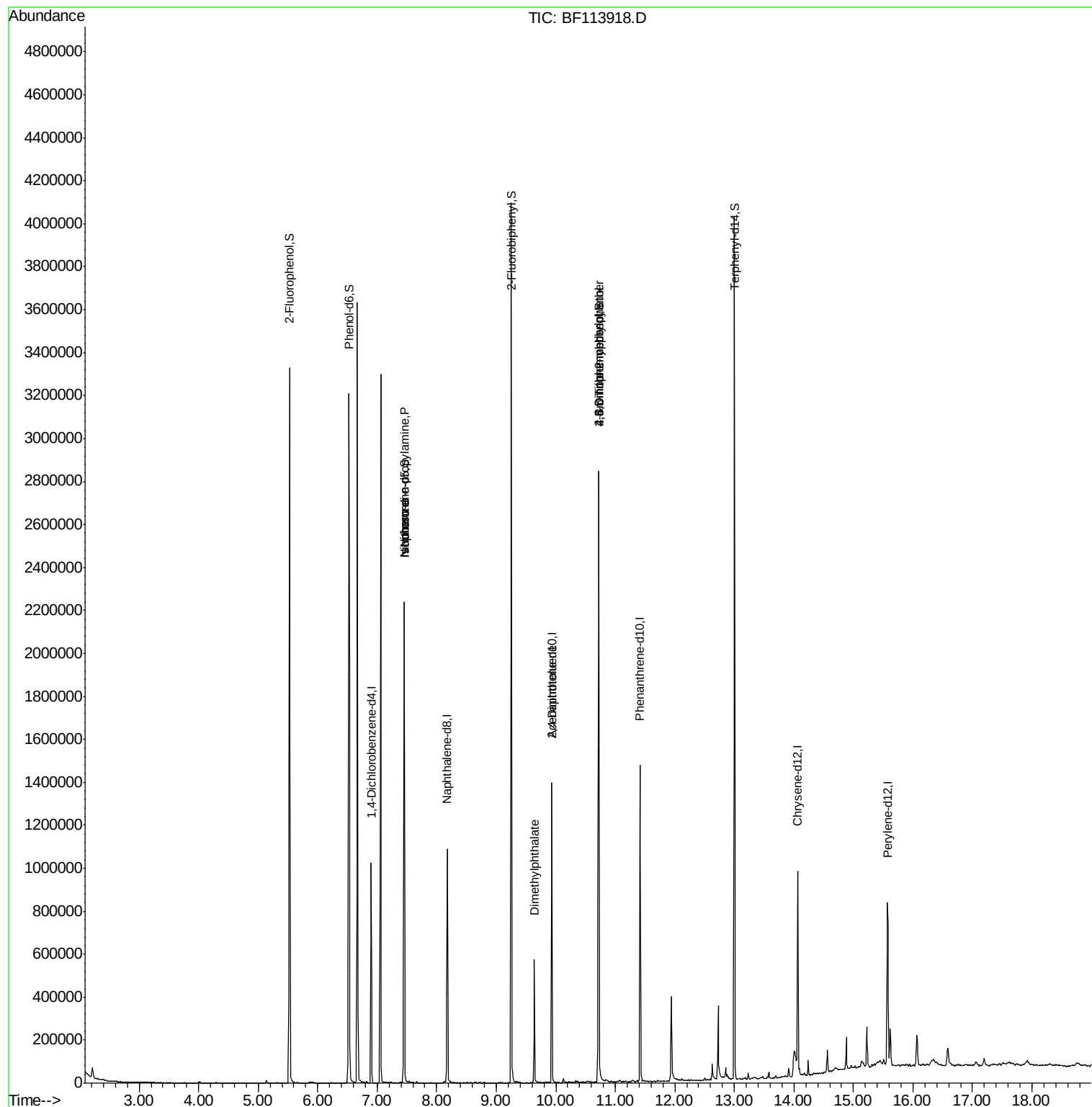
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	142711	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	525009	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	275168	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	532410	20.00	ng	0.00
76) Chrysene-d12	14.06	240	329901	20.00	ng	0.00
87) Perylene-d12	15.57	264	367542	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1022862	122.59	ng	0.01
7) Phenol-d6	6.53	99	1307546	124.90	ng	0.00
23) Nitrobenzene-d5	7.46	82	803590	94.51	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	402284	120.01	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1460948	83.04	ng	0.00
79) Terphenyl-d14	13.00	244	1452485	90.26	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	1767	Below Cal	Qvalue	# 3
19) n-Nitroso-di-n-propylamine	7.46	70	107117	15.801 ng	#	78
25) Isophorone	7.46	82	803579	46.187 ng	#	65
50) Dimethylphthalate	9.64	163	231419	11.629 ng	#	99
57) 2,4-Dinitrotoluene	9.93	165	35417	6.572 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	664	7.539 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	25171	3.914 ng	#	1

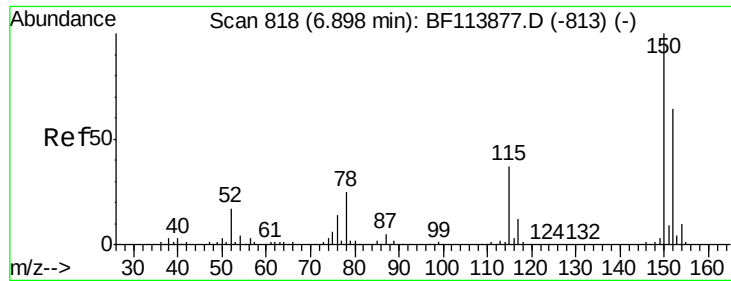
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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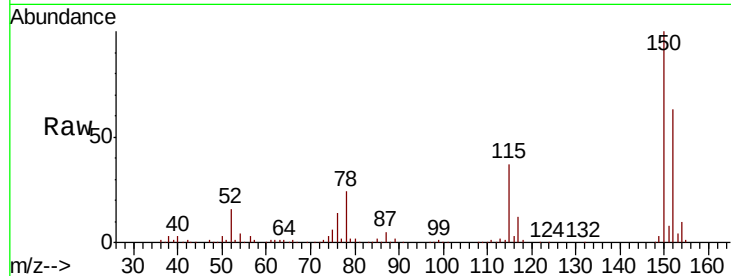


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113918.D
Acq: 23 Apr 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.9	188.9
115	58.2	45.9	68.9

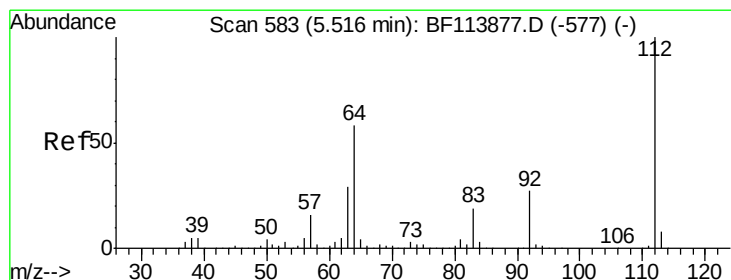
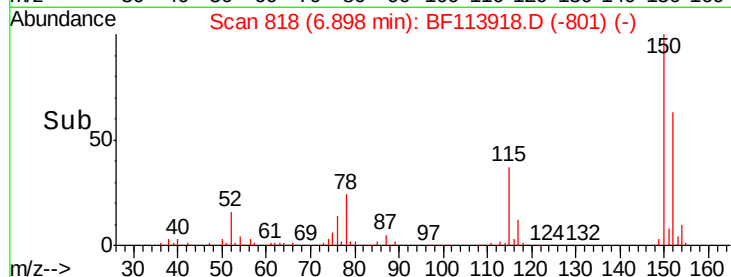
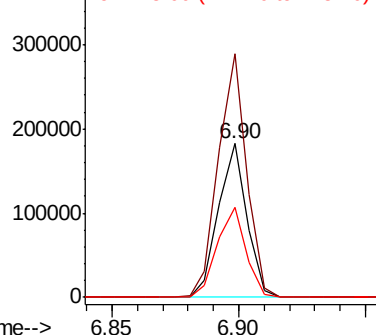


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

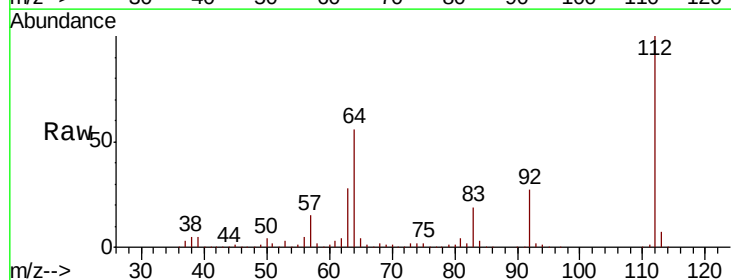
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.587 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF113918.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.6	69.8
63	28.2	23.1	34.7

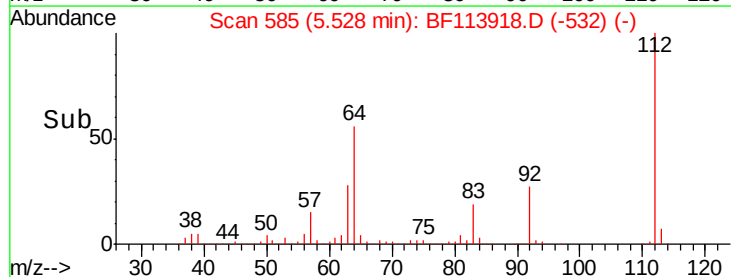
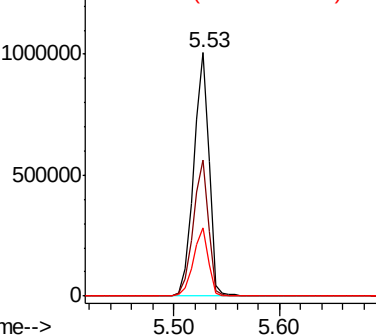


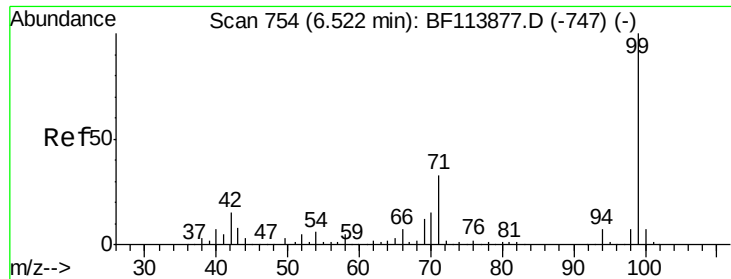
Abundance

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: 124.903 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

Instrument :

BNA_F

ClientSampleId :

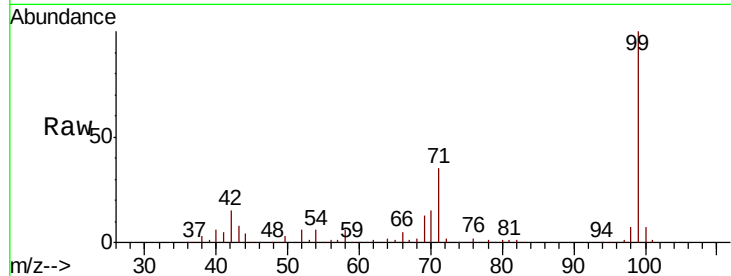
Tot Ion: 99 Resp: 1307546

Ion Ratio Lower Upper

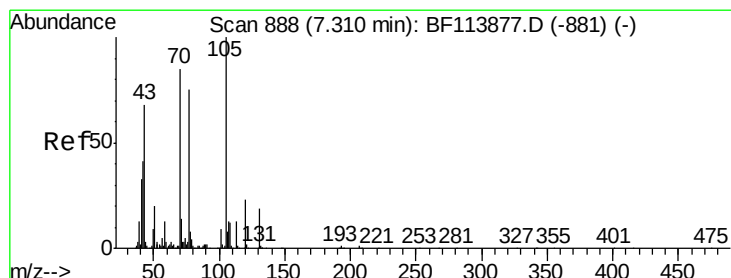
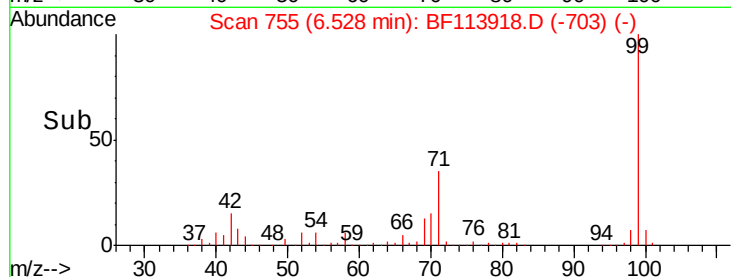
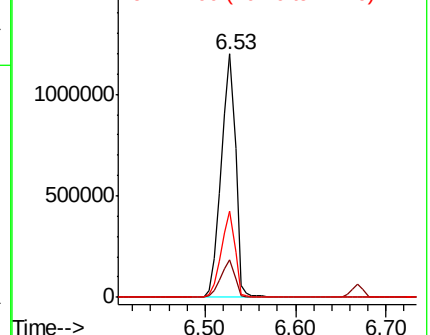
99 100

42 15.5 12.5 18.7

71 35.2 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: 15.801 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

Tgt Ion: 70 Resp: 107117

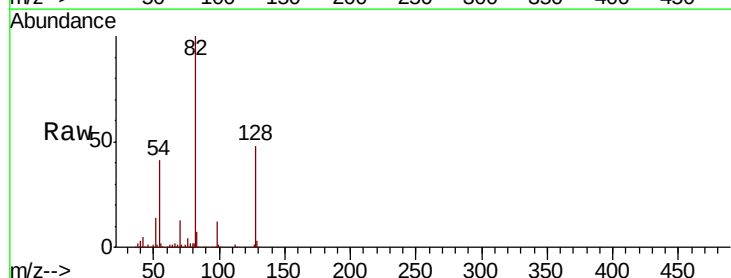
Ion Ratio Lower Upper

70 100

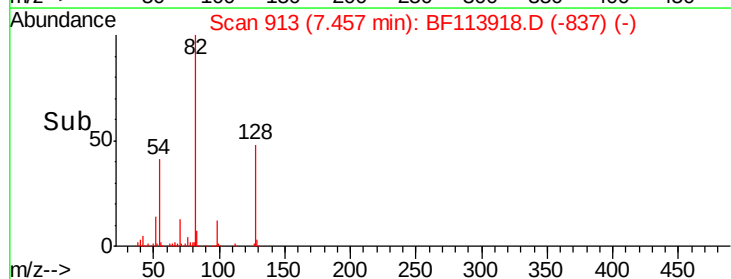
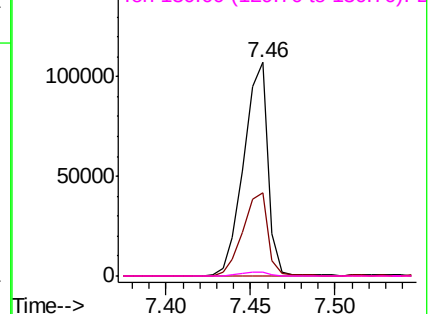
42 38.9 37.3 55.9

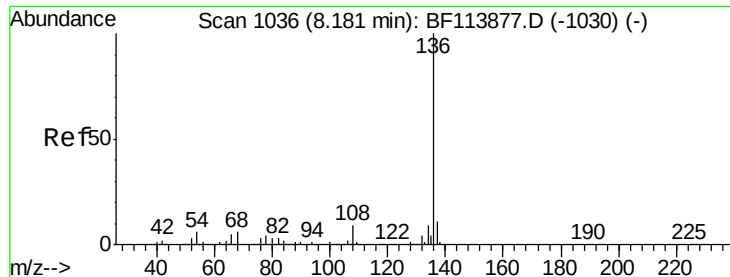
101 0.0 7.8 11.8#

130 2.0 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

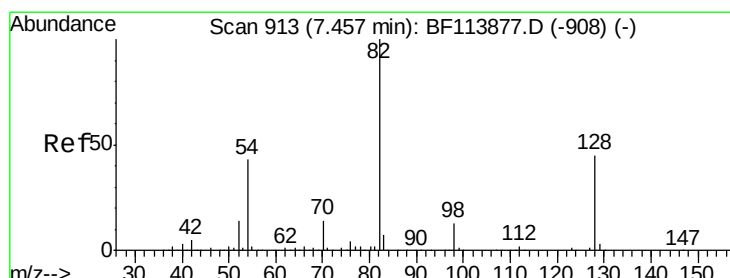
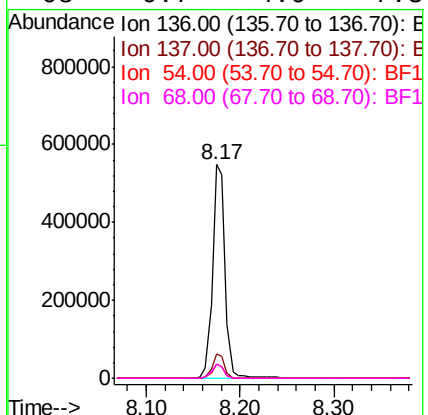
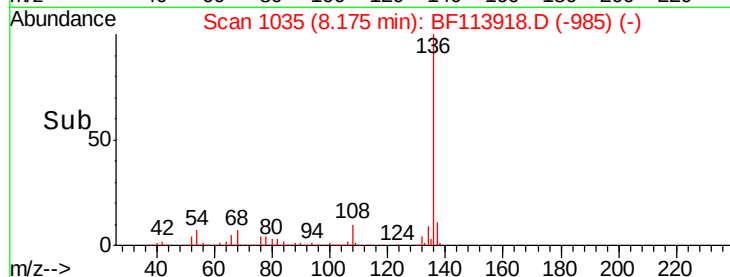
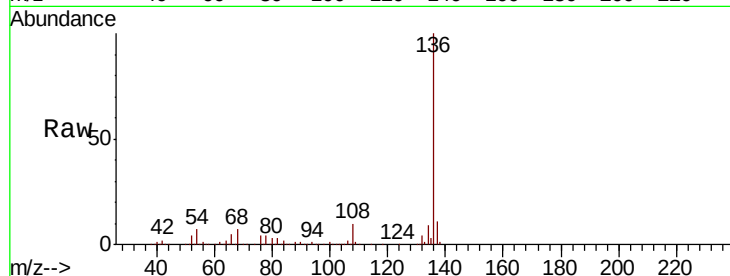




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113918.D
Acq: 23 Apr 2019 14:21

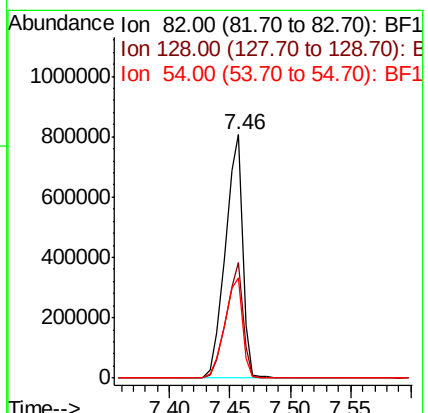
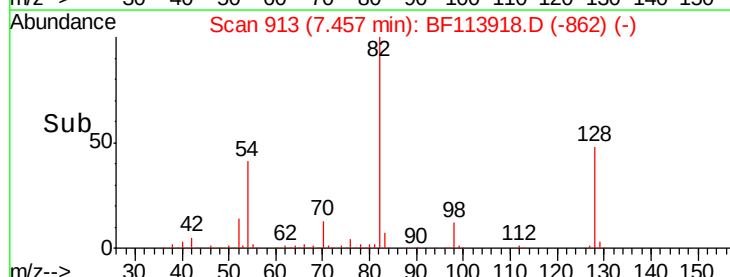
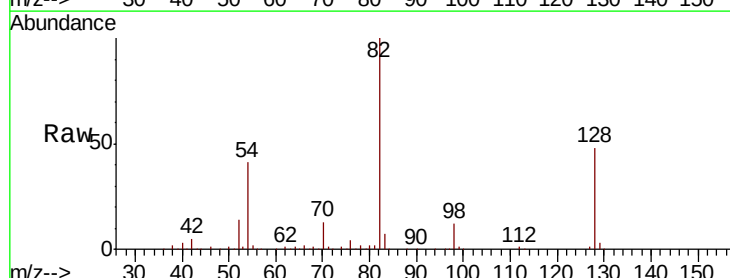
Instrument :
BNA_F
ClientSampleId :

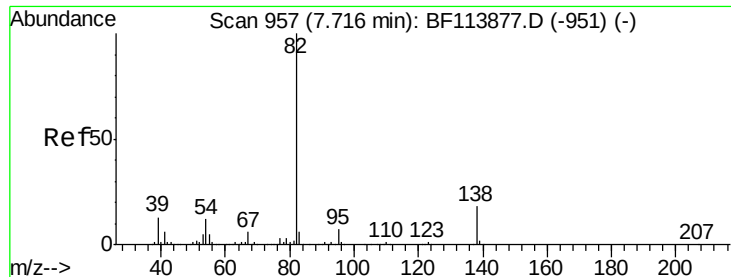
Tot Ion:136	Resp:	525009
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.6 12.8
54	6.7	5.0 7.6
68	6.7	4.9 7.3



#23
Nitrobenzene-d5
Concen: 94.507 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF113918.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 82	Resp:	803590
Ion	Ratio	Lower Upper
82	100	
128	47.7	36.8 55.2
54	41.2	33.8 50.6





#25

Isophorone

Concen: 46.187 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

Instrument :

BNA_F

ClientSampleId :

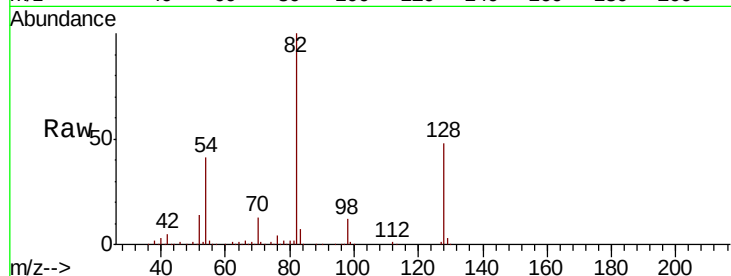
Tot Ion: 82 Resp: 803579

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

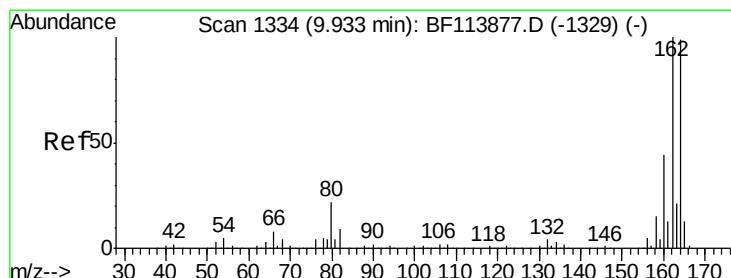
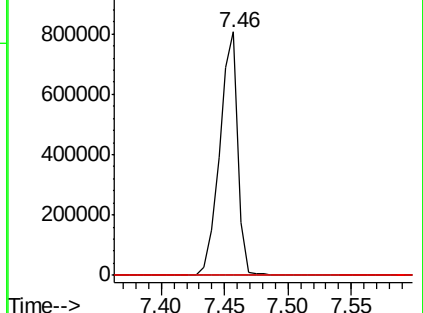
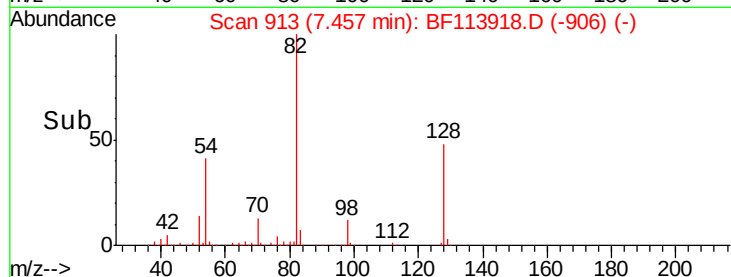
138 0.0 14.6 22.0#



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: BF113918.D

Acq: 23 Apr 2019 14:21

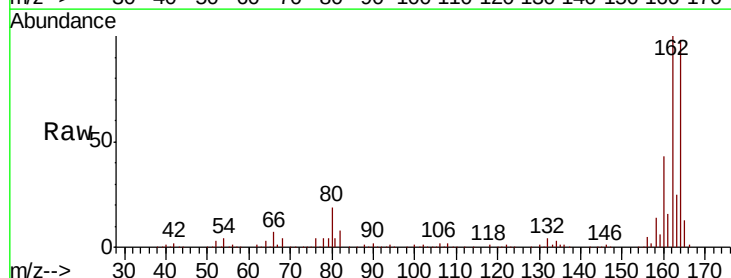
Tgt Ion:164 Resp: 275168

Ion Ratio Lower Upper

164 100

162 101.9 81.1 121.7

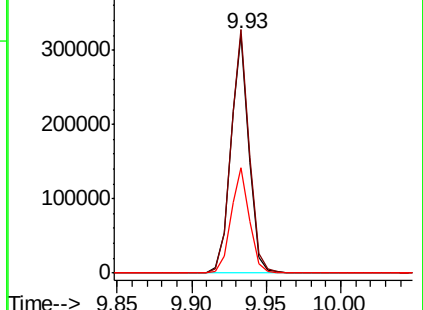
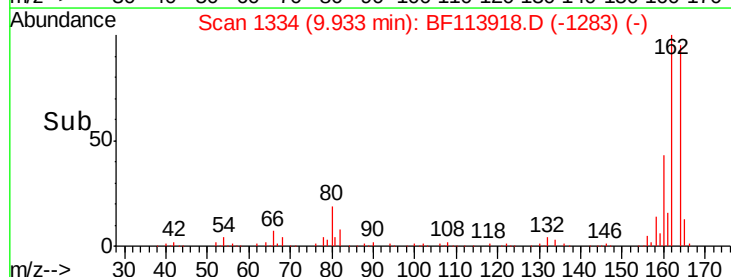
160 43.9 35.8 53.6

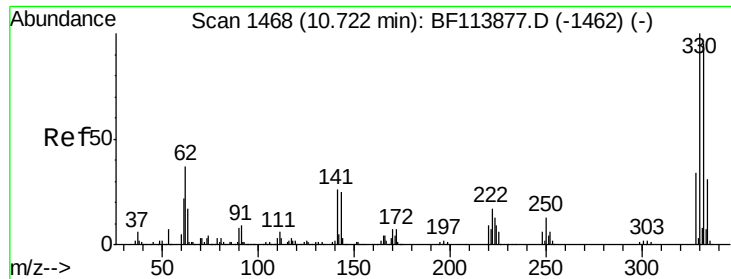


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 120.009 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

Instrument :

BNA_F

ClientSampleId :

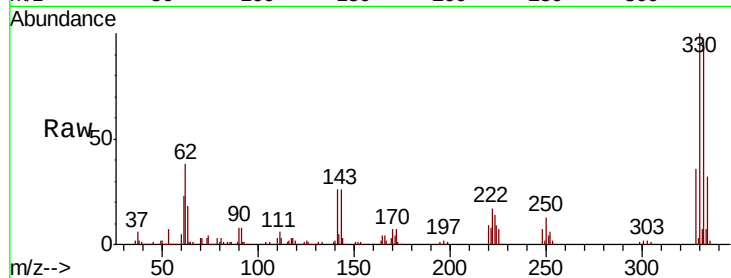
Tot Ion:330 Resp: 402284

Ion Ratio Lower Upper

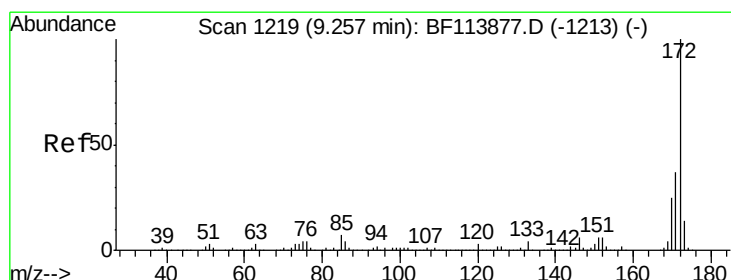
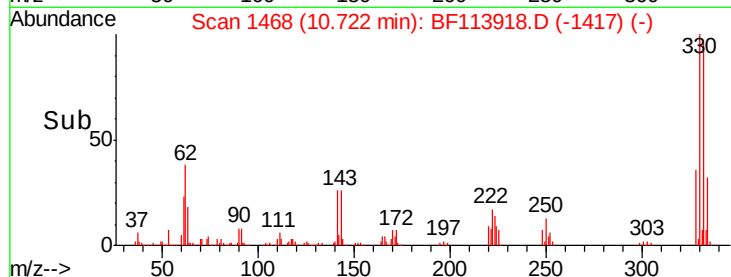
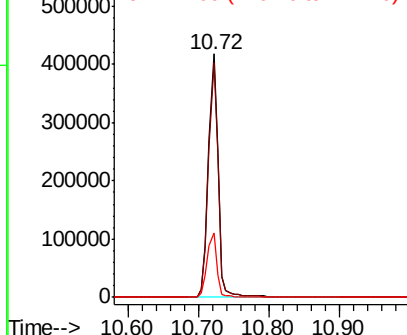
330 100

332 96.5 77.5 116.3

141 26.7 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: 83.039 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

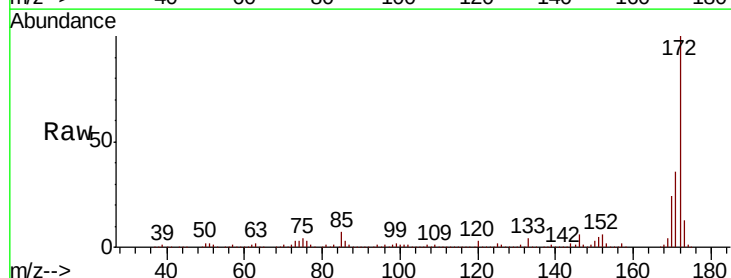
Tgt Ion:172 Resp: 1460948

Ion Ratio Lower Upper

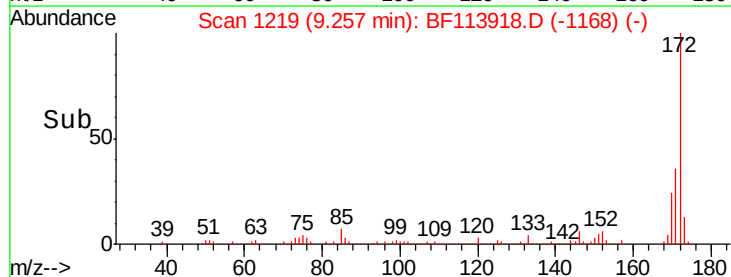
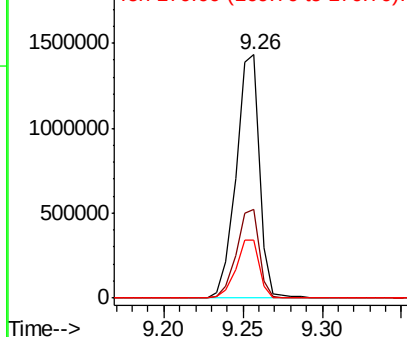
172 100

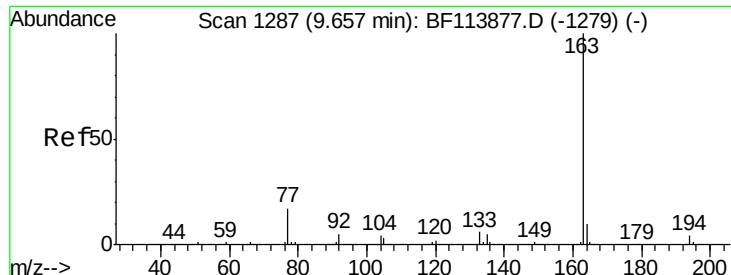
171 36.2 29.4 44.0

170 24.0 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

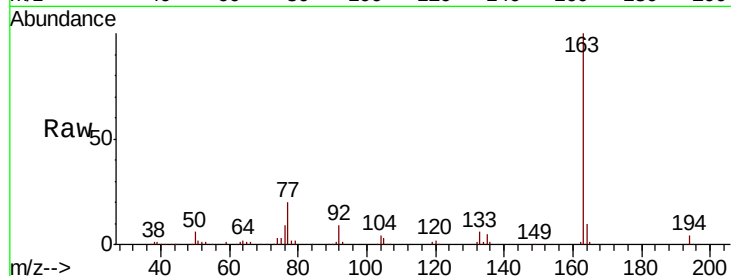




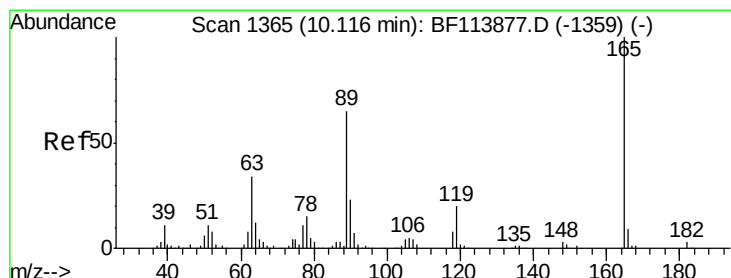
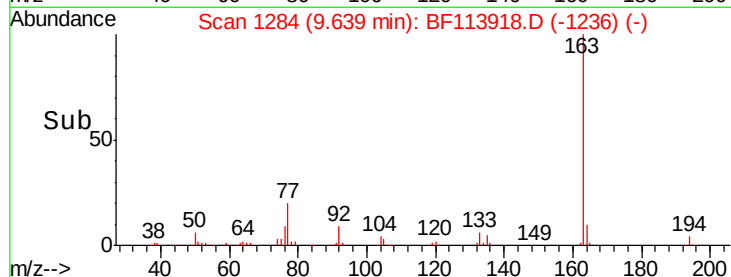
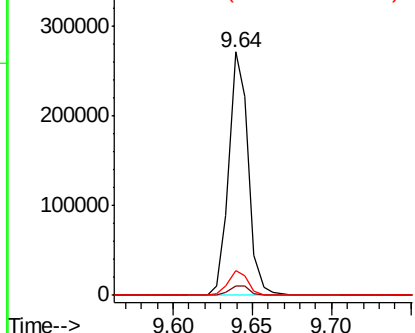
#50
Dimethylphthalate
Concen: 11.629 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113918.D
Acq: 23 Apr 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 231419
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.1 8.5 12.7

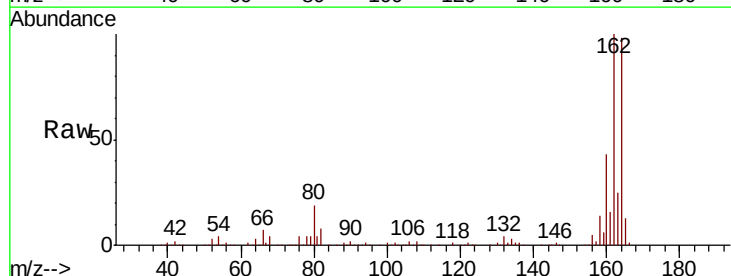


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

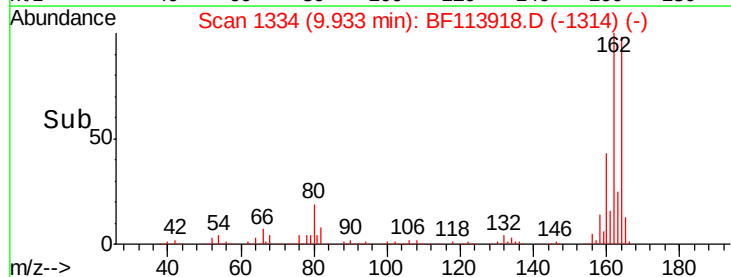
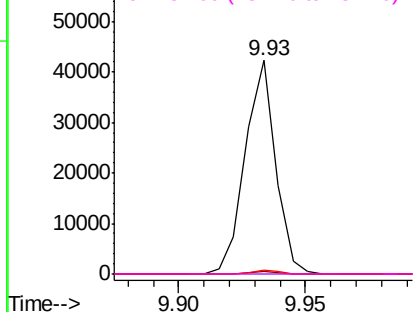


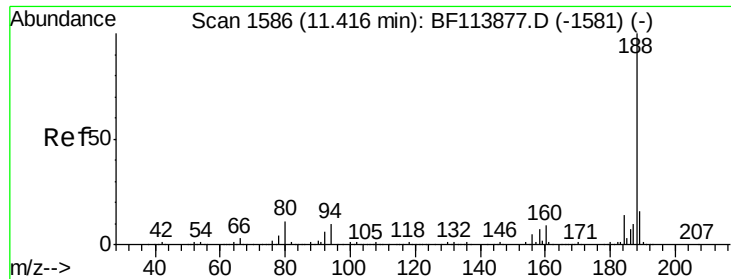
#57
2,4-Dinitrotoluene
Concen: 6.572 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF113918.D
Acq: 23 Apr 2019 14:21

Tgt Ion:165 Resp: 35417
Ion Ratio Lower Upper
165 100
63 1.2 27.4 41.0#
89 1.5 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: BF113918.D

Acq: 23 Apr 2019 14:21

Instrument :

BNA_F

ClientSampleId :

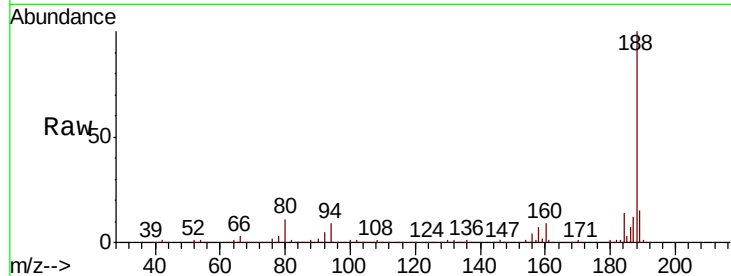
Tot Ion:188 Resp: 532410

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

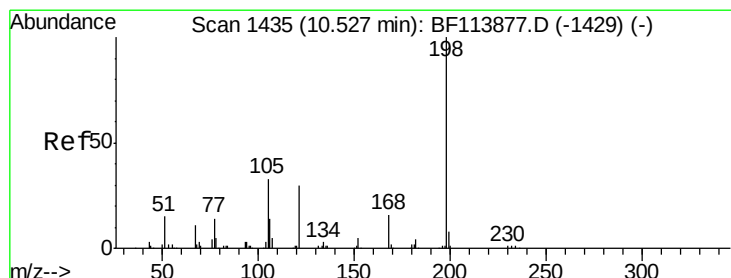
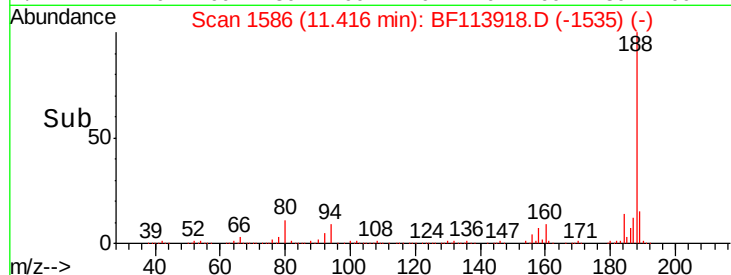
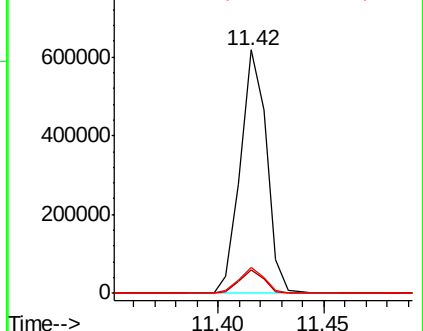
80 10.8 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.539 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

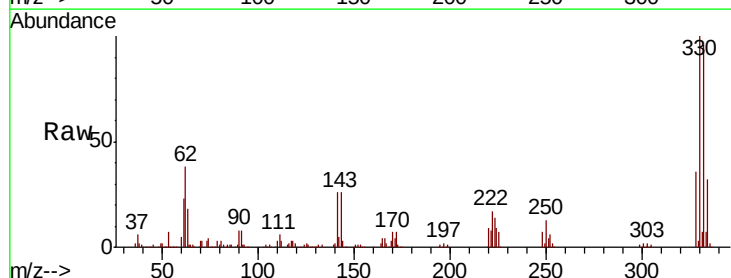
Tgt Ion:198 Resp: 664

Ion Ratio Lower Upper

198 100

51 124.0 11.1 51.1#

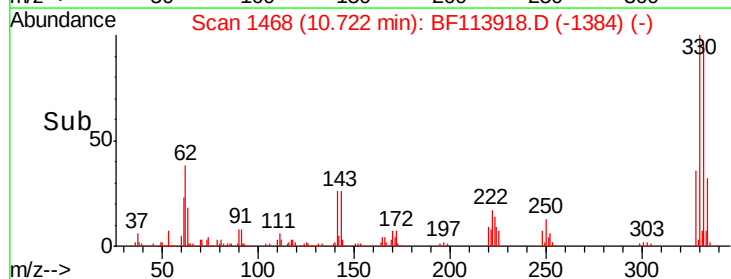
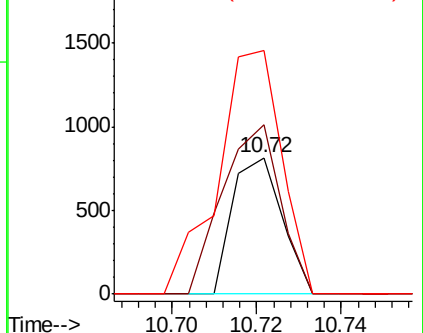
105 178.4 20.7 60.7#

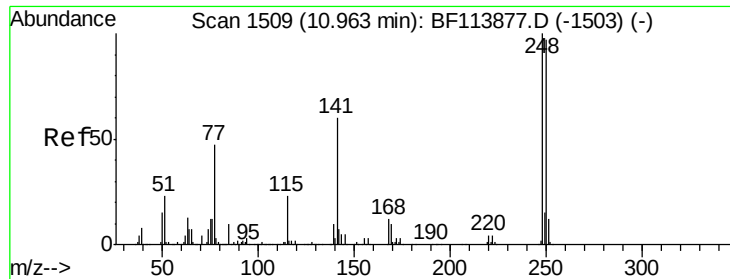


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

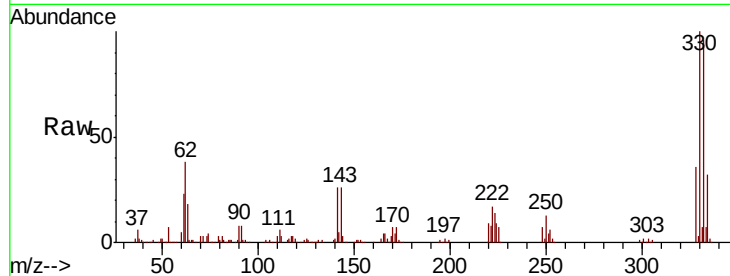




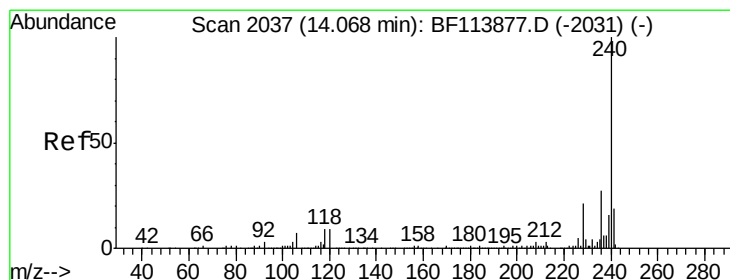
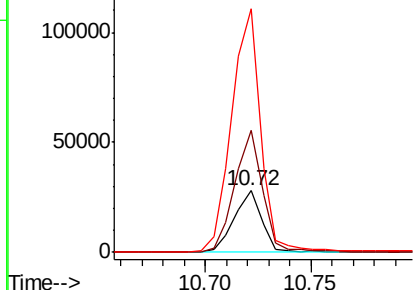
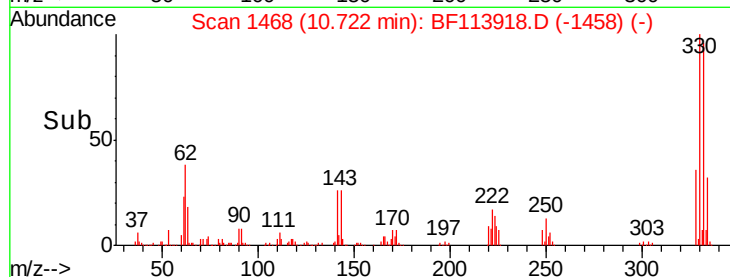
#67
 4-Bromophenyl-phenylether
 Concen: 3.914 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF113918.D
 Acq: 23 Apr 2019 14:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 25171
 Ion Ratio Lower Upper
 248 100
 250 199.6 75.8 113.6#
 141 397.4 50.2 75.4#

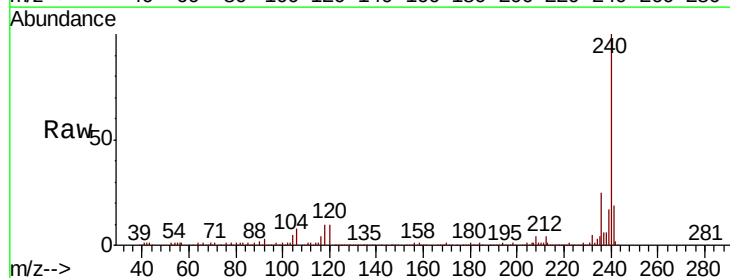


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

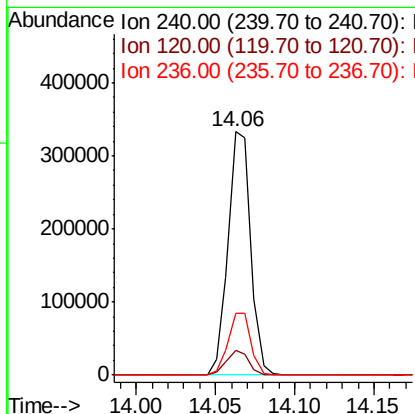
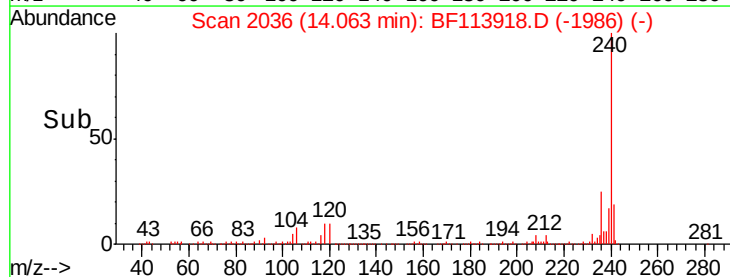


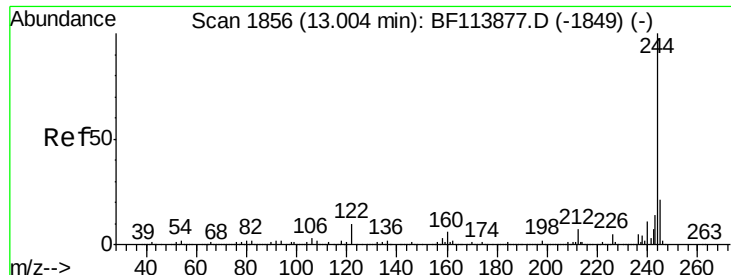
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF113918.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:240 Resp: 329901
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.3 13.9
 236 25.4 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: 90.263 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

Instrument :

BNA_F

ClientSampleId :

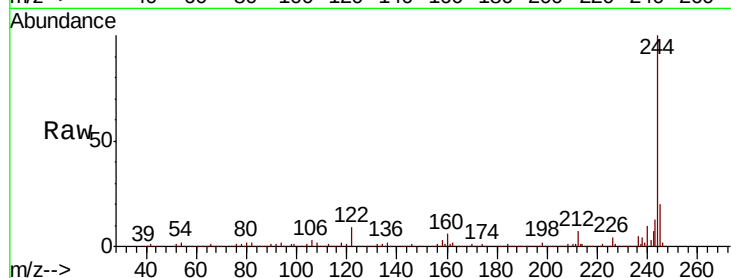
Tot Ion:244 Resp: 1452485

Ion Ratio Lower Upper

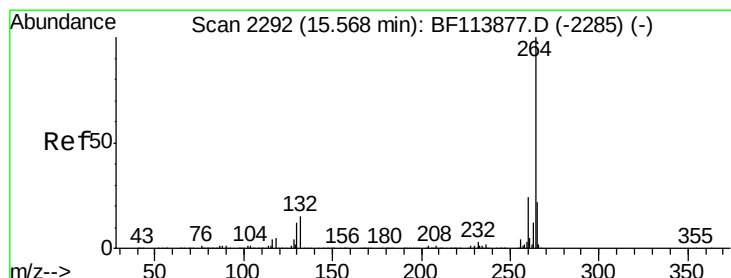
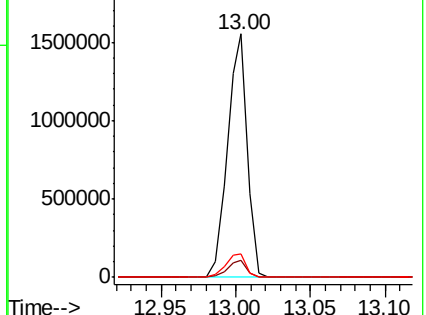
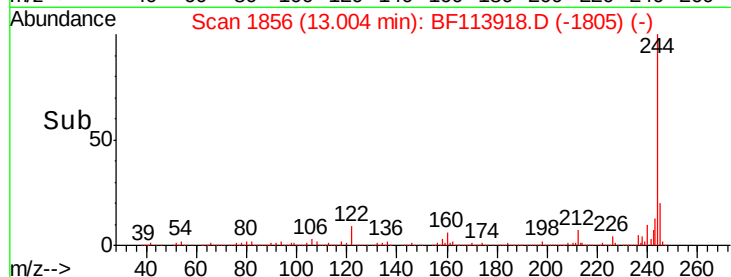
244 100

212 6.8 5.4 8.2

122 9.4 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: 15.57 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF113918.D

Acq: 23 Apr 2019 14:21

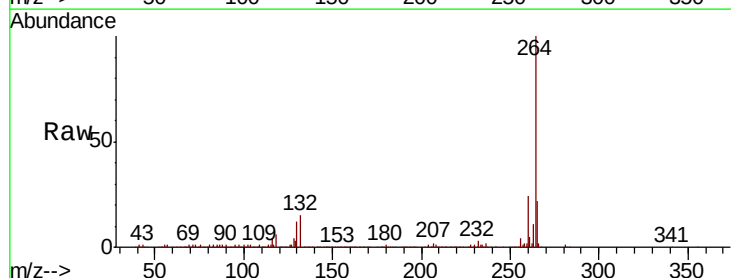
Tgt Ion:264 Resp: 367542

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.7 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

