

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\
 Data File : BF114021.D
 Acq On : 29 Apr 2019 13:39
 Operator : JU/SJ
 Sample : K2576-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 01:20:40 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

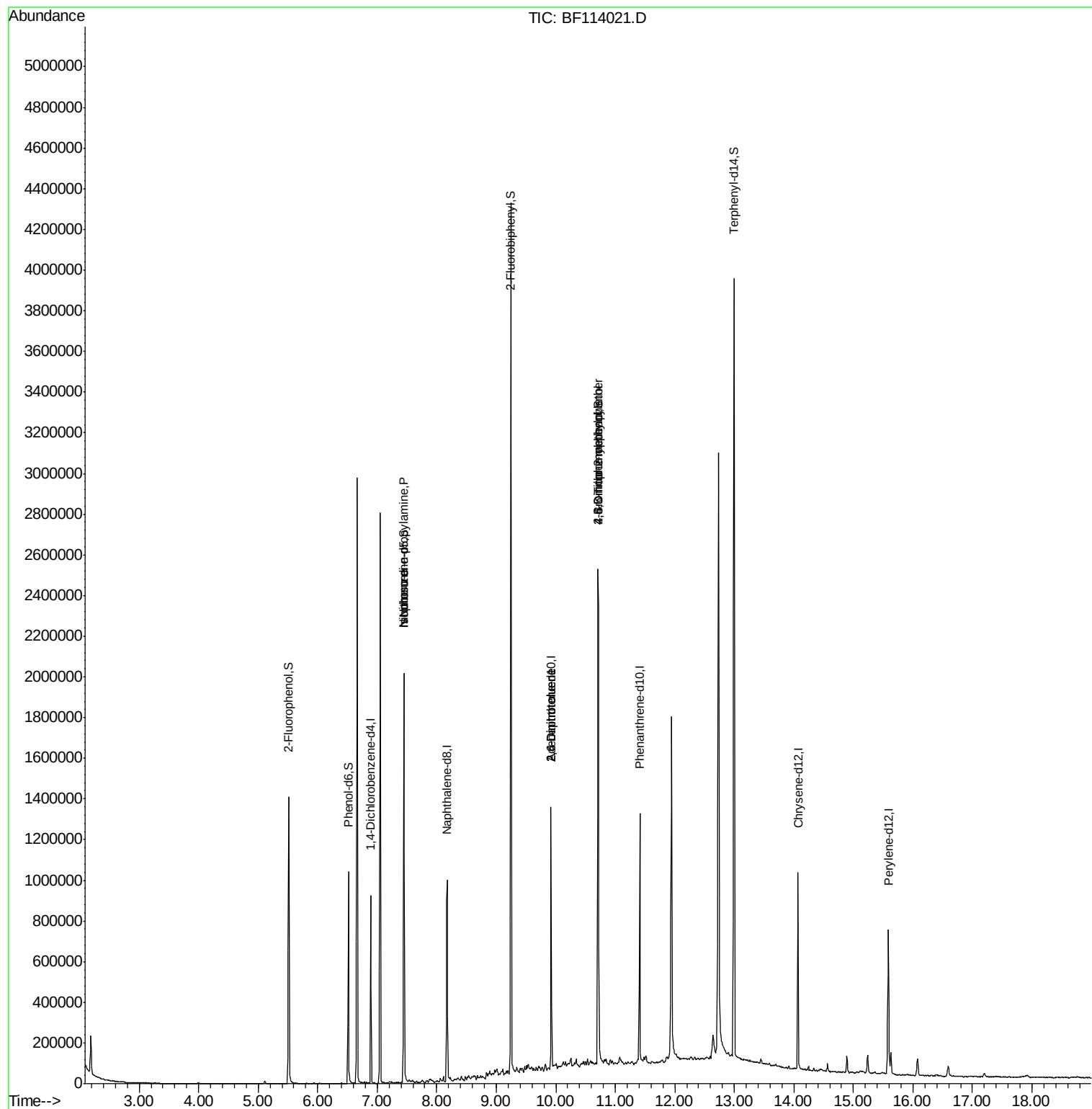
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	131429	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	496427	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	259978	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	478550	20.00	ng	0.00
76) Chrysene-d12	14.07	240	312119	20.00	ng	0.00
87) Perylene-d12	15.59	264	365597	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	448296	58.34	ng	0.00
7) Phenol-d6	6.52	99	370740	38.46	ng	0.00
23) Nitrobenzene-d5	7.45	82	713070	88.69	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	380025	119.99	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1380281	83.04	ng	-0.01
79) Terphenyl-d14	13.00	244	1527380	100.32	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	17650	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.45	70	96314	15.427 ng	#	78
25) Isophorone	7.45	82	710570	43.192 ng	#	65
51) 2,6-Dinitrotoluene	9.92	165	33836	8.388 ng	#	34
57) 2,4-Dinitrotoluene	9.92	165	33836	6.646 ng	#	30
65) 4,6-Dinitro-2-methylphenol	10.71	198	718	7.586 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	24578	4.251 ng	#	1

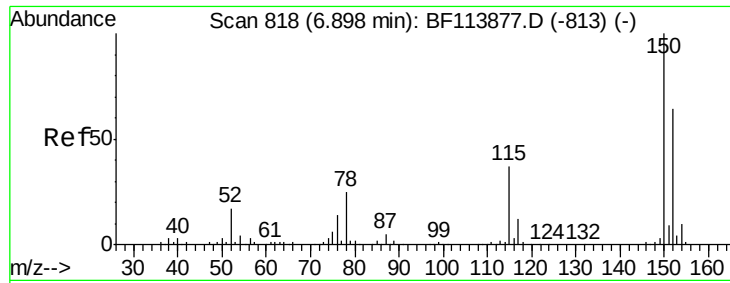
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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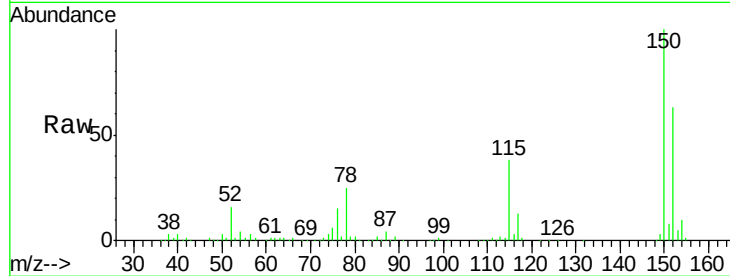


#1

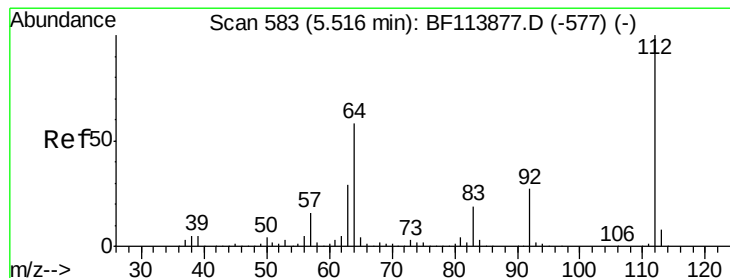
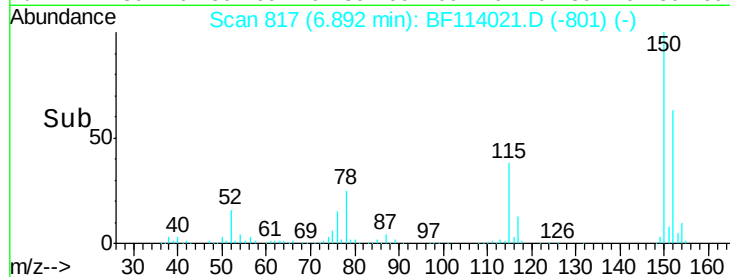
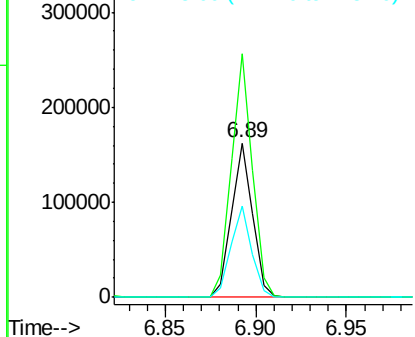
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114021.D
Acq: 29 Apr 2019 13:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	59.5	45.9	68.9



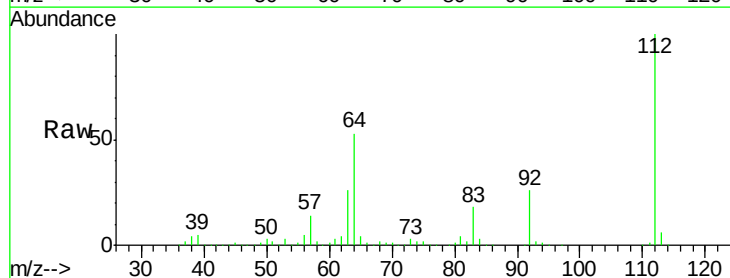
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



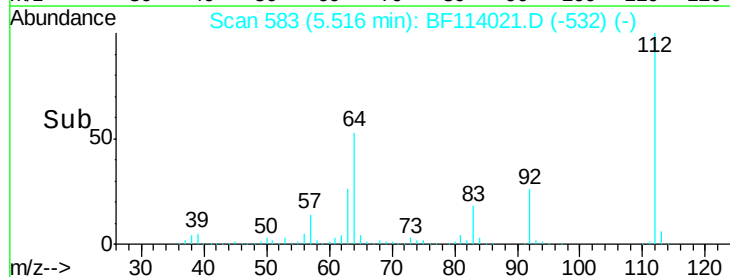
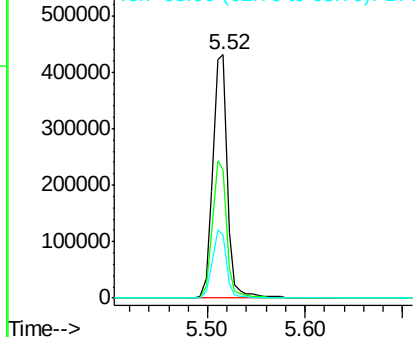
#5

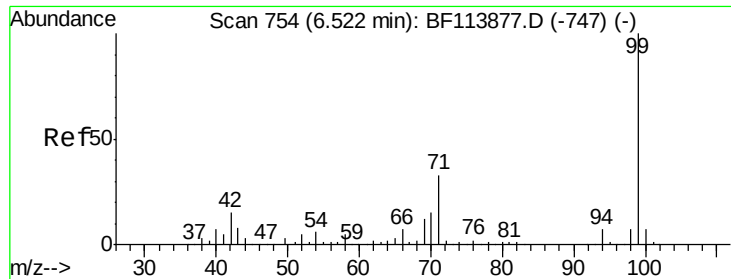
2-Fluorophenol
Concen: 58.339 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114021.D
Acq: 29 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	46.6	69.8
63	26.0	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: 38.455 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampled :

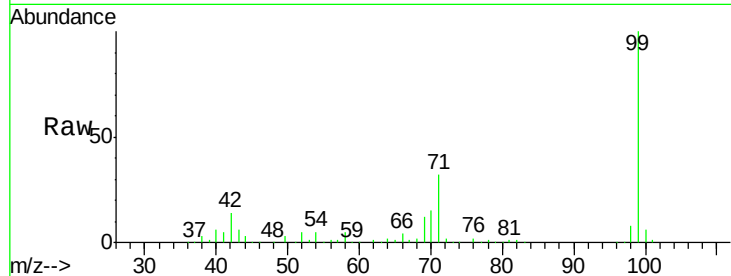
Tot Ion: 99 Resp: 370740

Ion Ratio Lower Upper

99 100

42 13.8 12.5 18.7

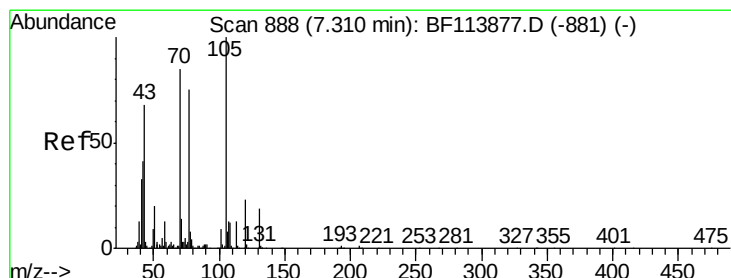
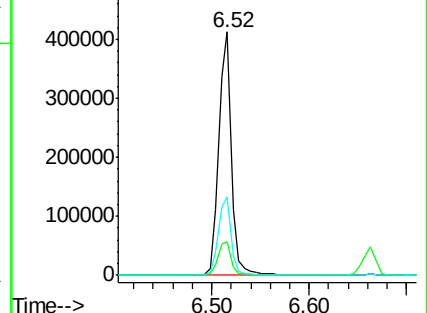
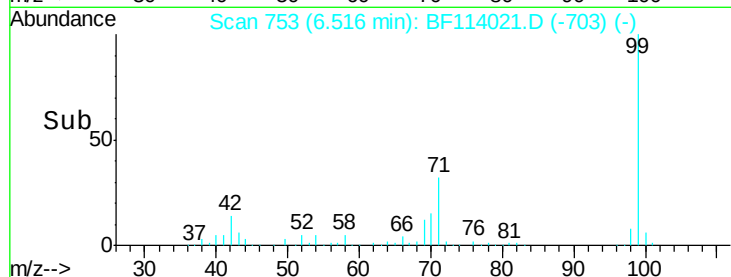
71 32.0 26.9 40.3



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: 15.427 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Tgt Ion: 70 Resp: 96314

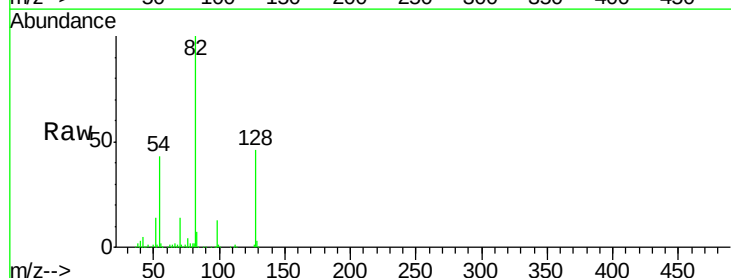
Ion Ratio Lower Upper

70 100

42 38.6 37.3 55.9

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#

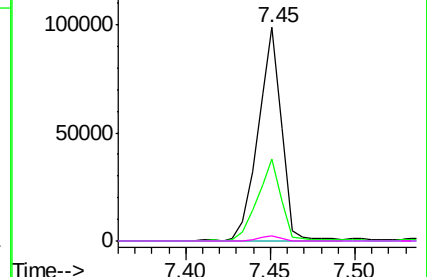
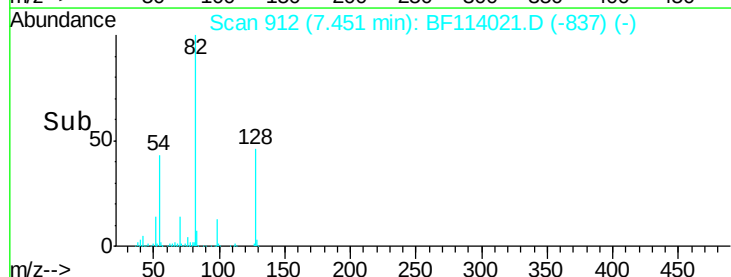


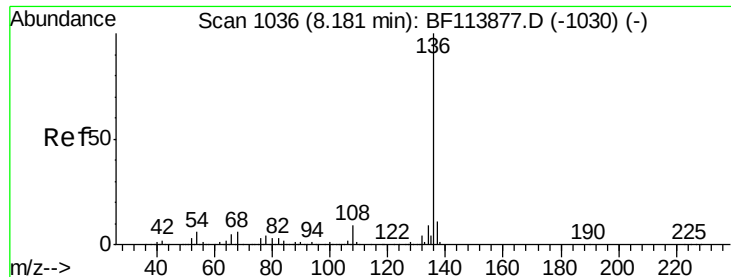
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 496427

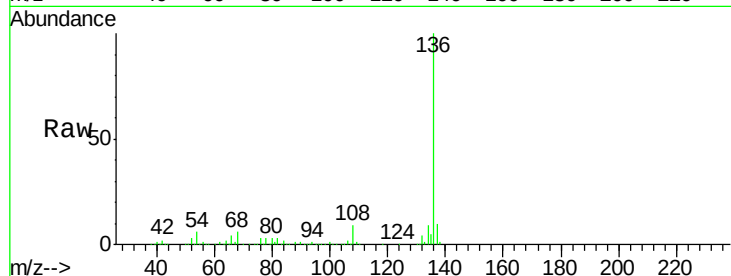
Ion Ratio Lower Upper

136 100

137 10.4 8.6 12.8

54 5.6 5.0 7.6

68 5.7 4.9 7.3

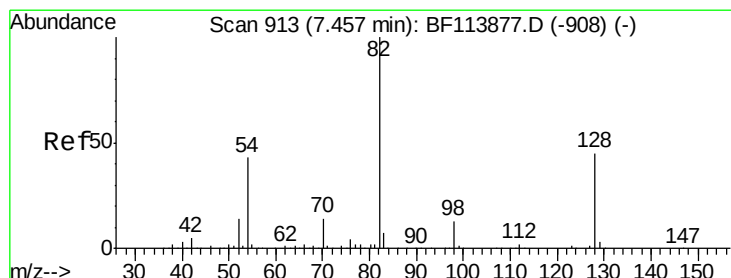
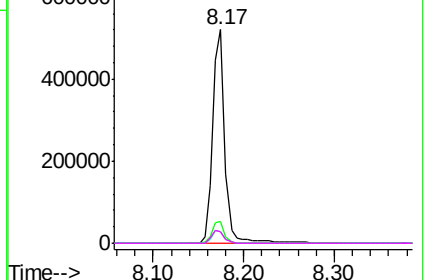
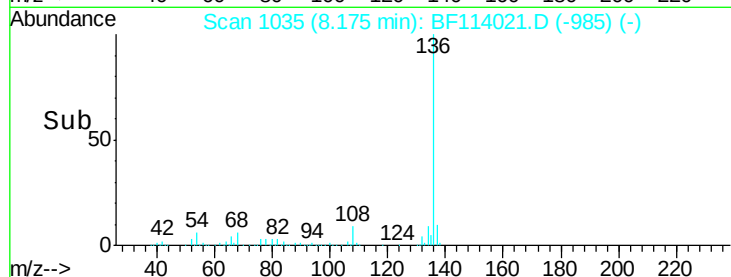


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.689 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

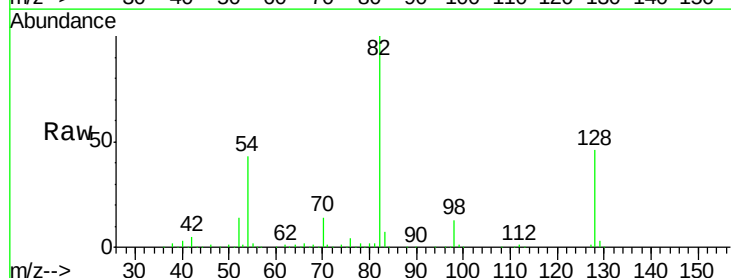
Tgt Ion: 82 Resp: 713070

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

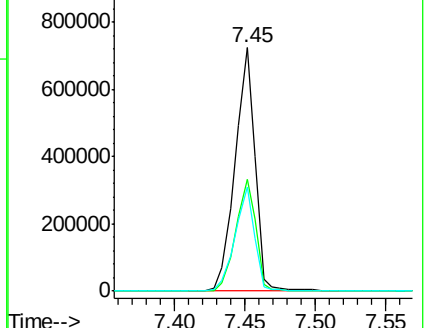
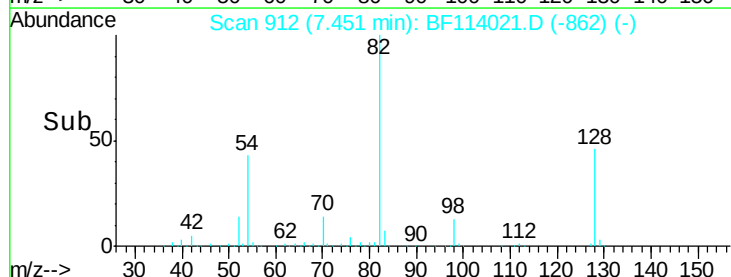
54 42.7 33.8 50.6

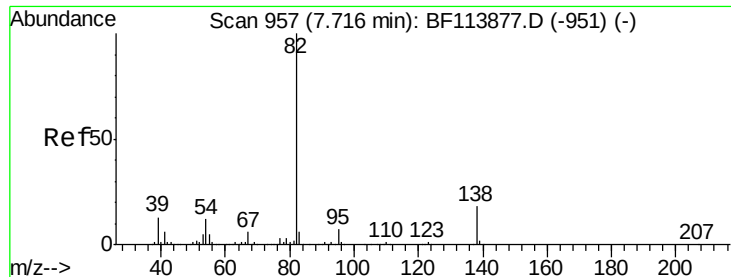


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.192 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampleId :

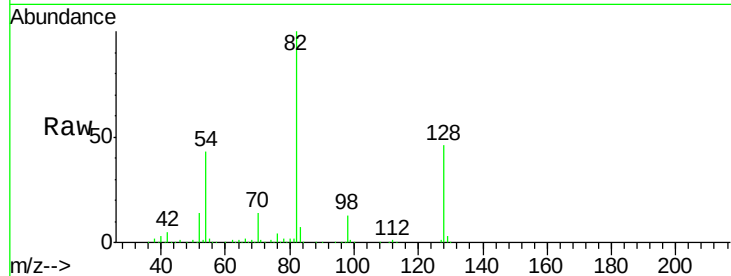
Tot Ion: 82 Resp: 710570

Ion Ratio Lower Upper

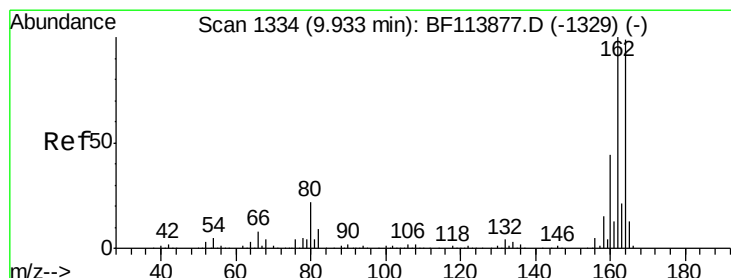
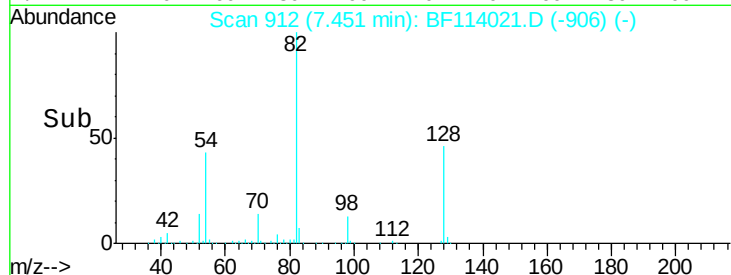
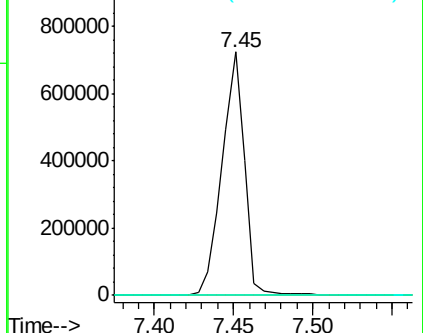
82 100

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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

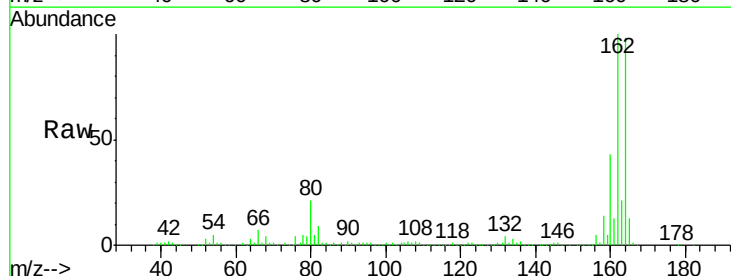
Tgt Ion: 164 Resp: 259978

Ion Ratio Lower Upper

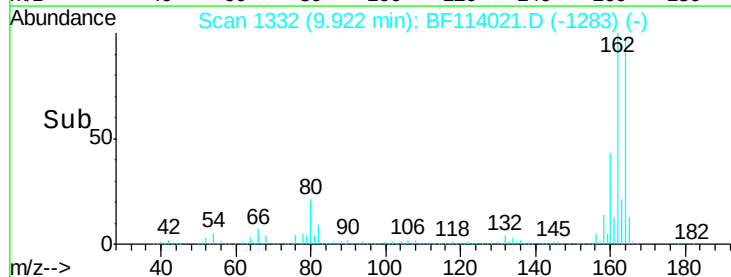
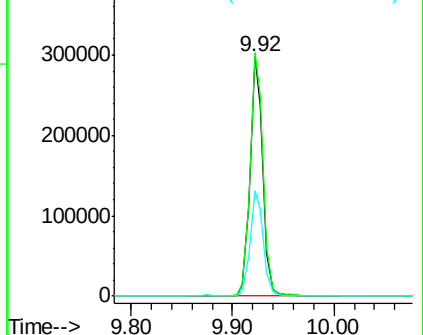
164 100

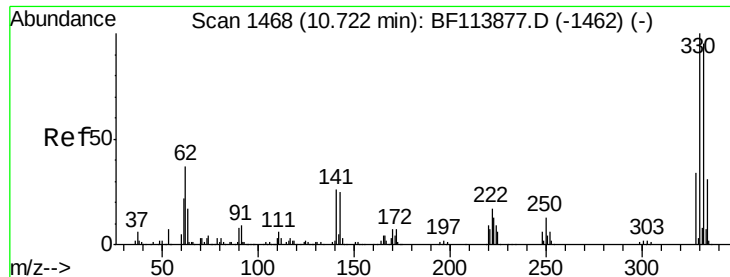
162 101.6 81.1 121.7

160 44.1 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: 119.993 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampled :

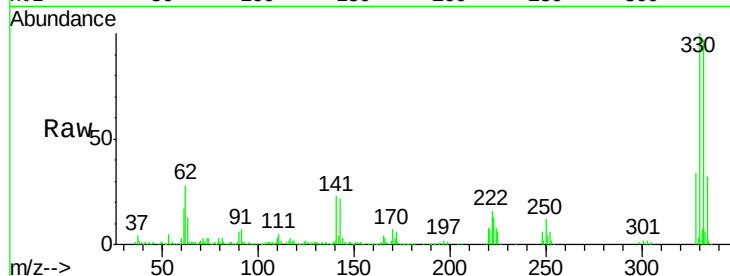
Tot Ion:330 Resp: 380025

Ion Ratio Lower Upper

330 100

332 96.5 77.5 116.3

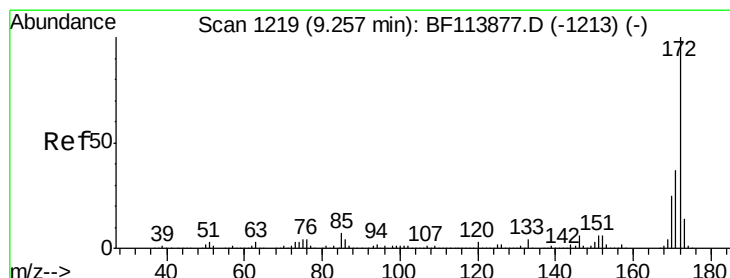
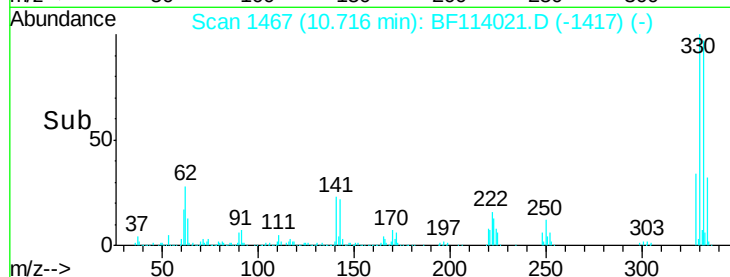
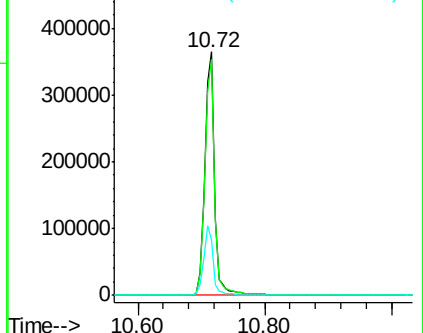
141 27.9 22.2 33.2



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: 83.038 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

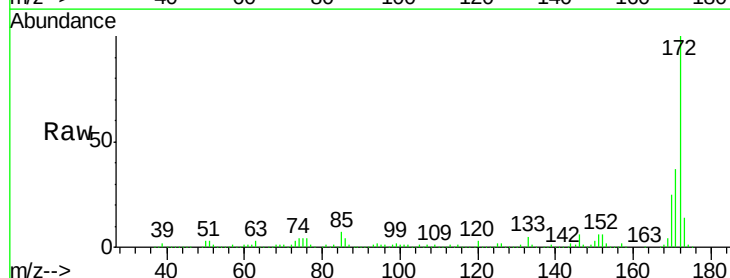
Tgt Ion:172 Resp: 1380281

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

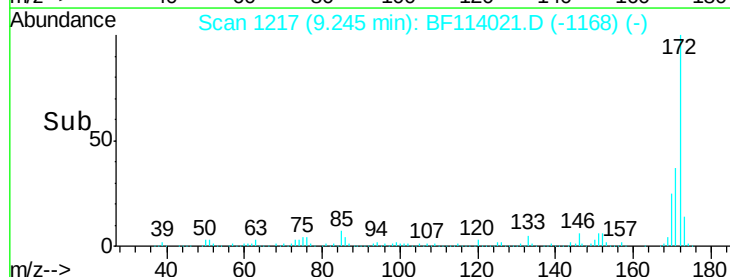
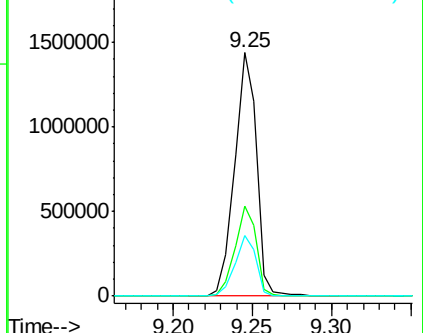
170 24.7 19.9 29.9

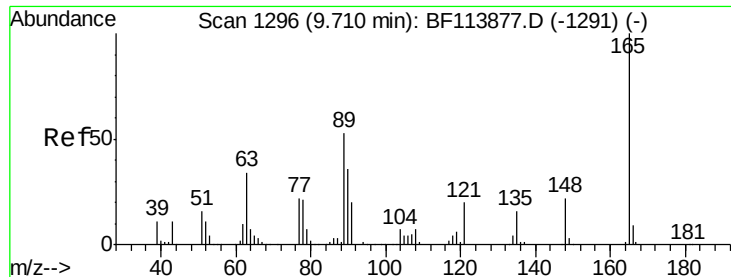


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.388 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.21 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampleId :

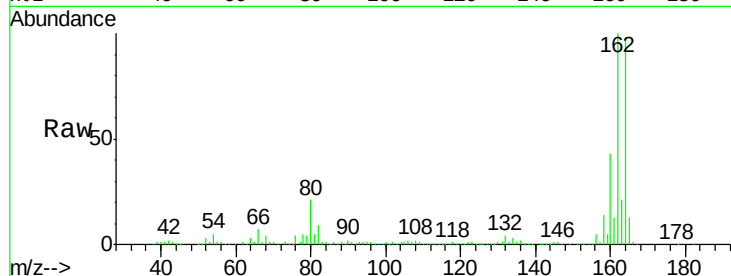
Tot Ion:165 Resp: 33836

Ion Ratio Lower Upper

165 100

63 1.9 33.8 50.8#

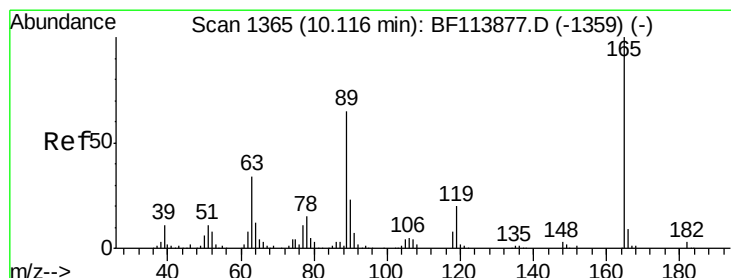
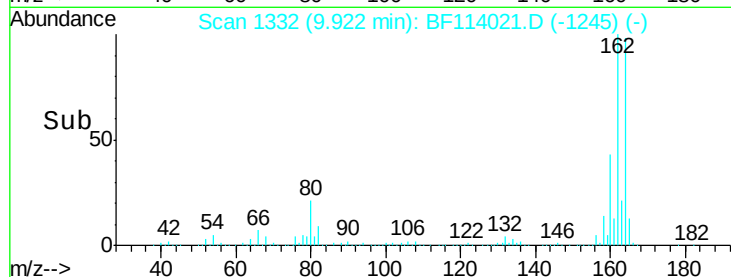
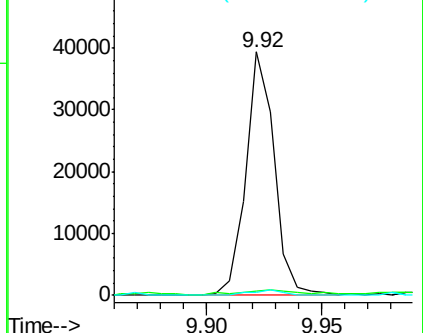
89 1.5 38.2 57.2#



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: 6.646 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Tgt Ion:165 Resp: 33836

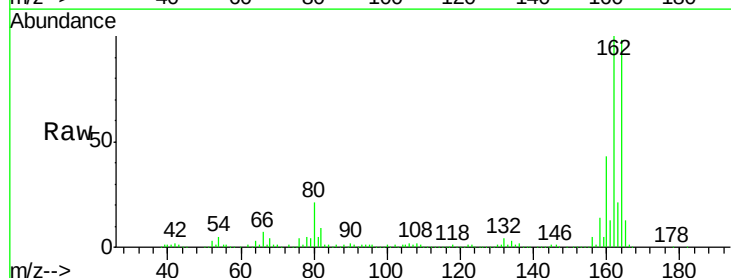
Ion Ratio Lower Upper

165 100

63 1.9 27.4 41.0#

89 1.5 51.8 77.6#

182 0.9 2.2 3.2#

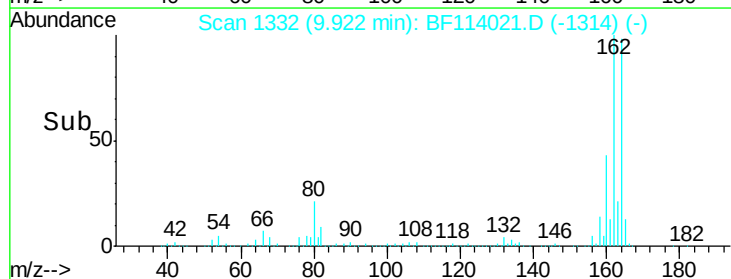
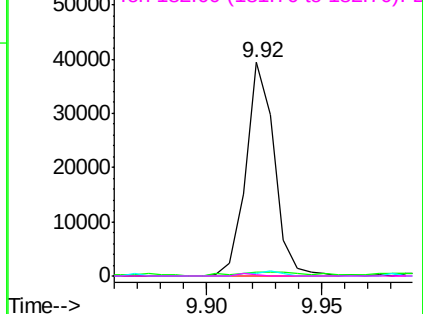


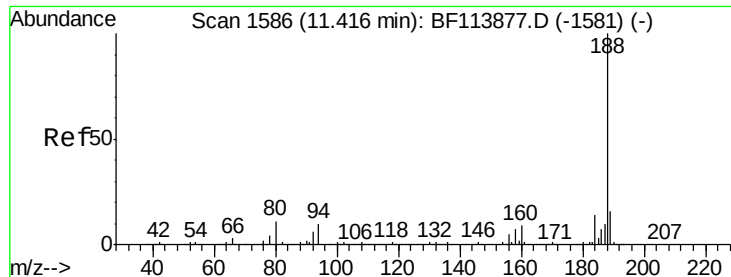
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampleId :

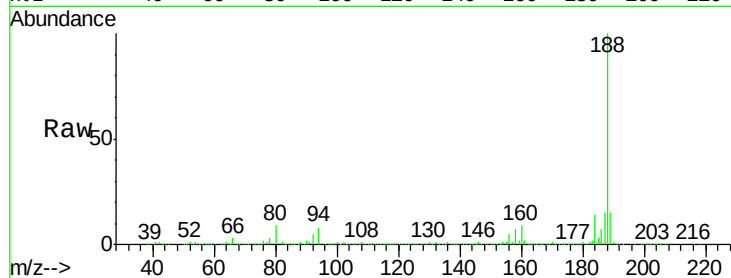
Tot Ion:188 Resp: 478550

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.4

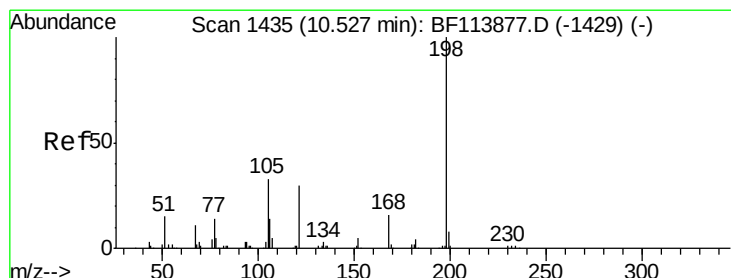
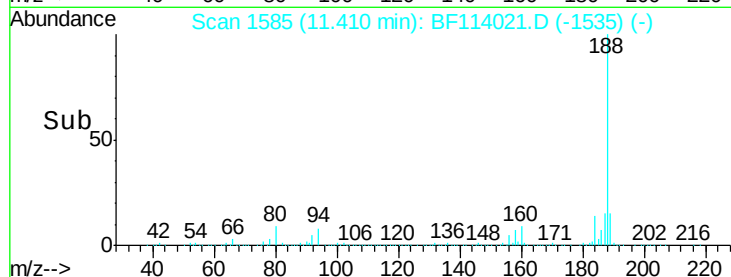
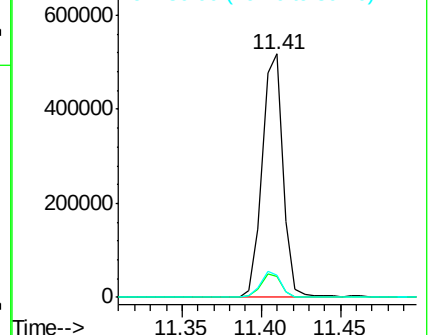
80 9.4 9.0 13.6



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: 7.586 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

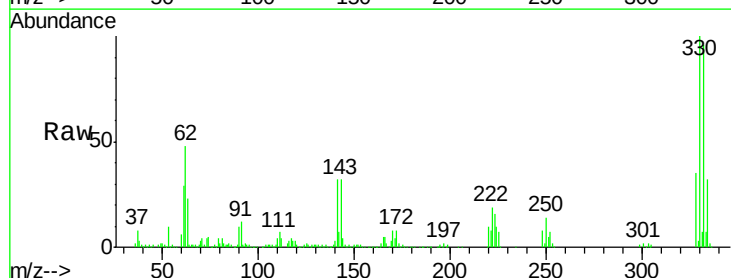
Tgt Ion:198 Resp: 718

Ion Ratio Lower Upper

198 100

51 214.0 11.1 51.1#

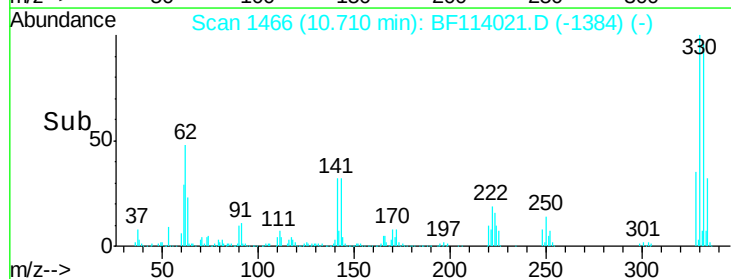
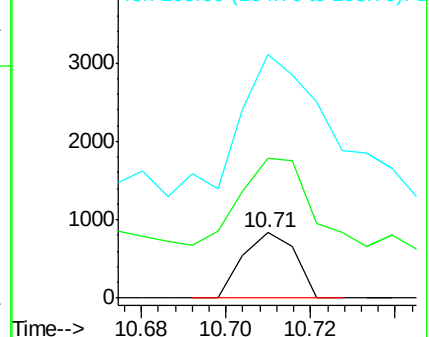
105 372.6 20.7 60.7#

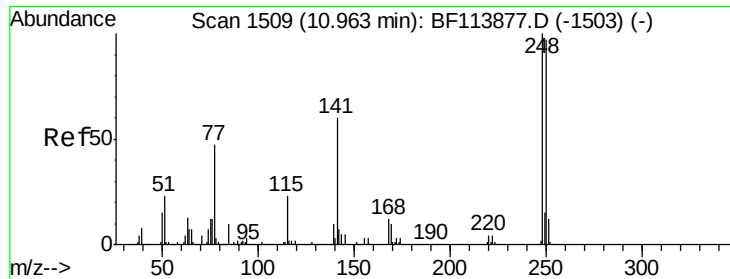


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

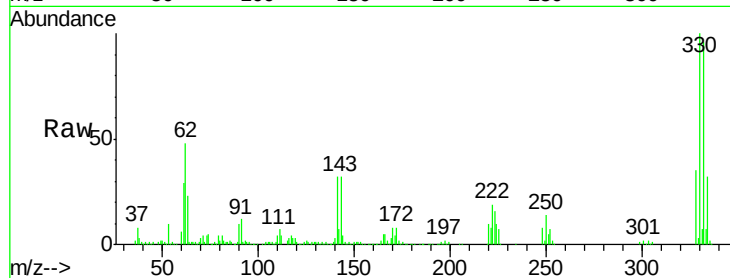




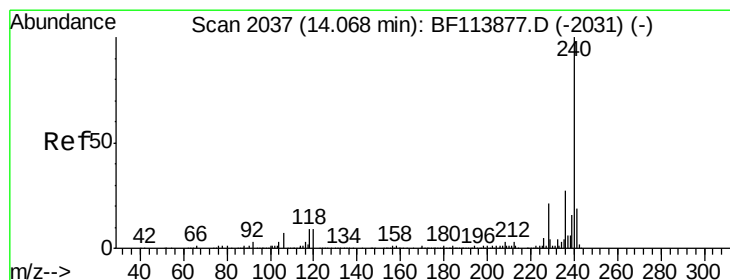
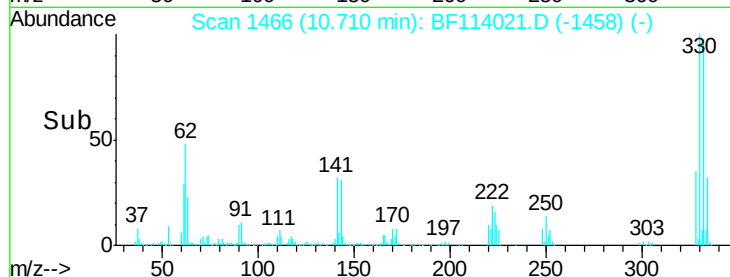
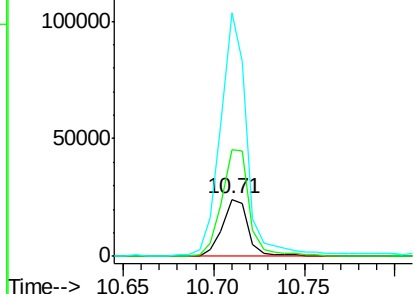
#67
4-Bromophenyl-phenylether
Concen: 4.251 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF114021.D
Acq: 29 Apr 2019 13:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24578
Ion Ratio Lower Upper
248 100
250 185.9 75.8 113.6#
141 424.7 50.2 75.4#

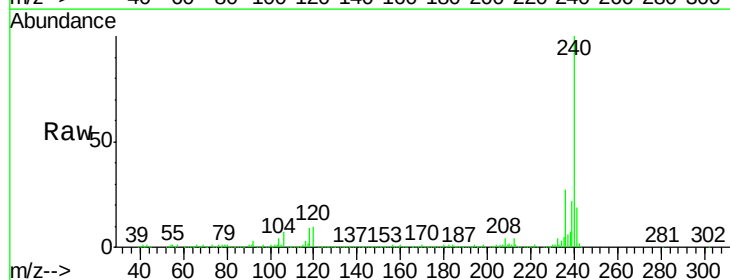


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

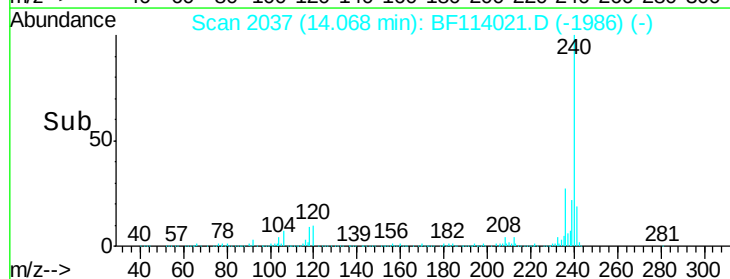
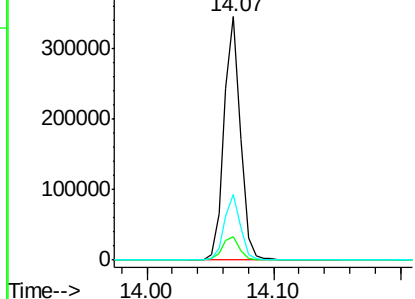


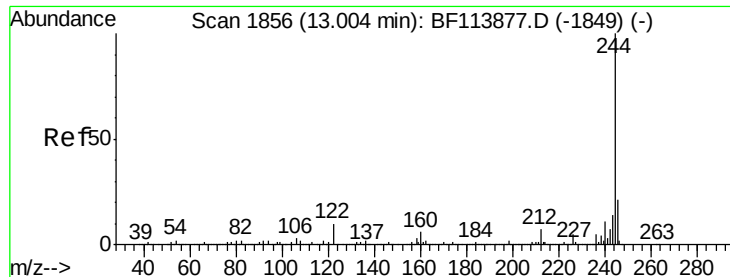
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF114021.D
Acq: 29 Apr 2019 13:39

Tgt Ion:240 Resp: 312119
Ion Ratio Lower Upper
240 100
120 9.9 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: 100.325 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

Instrument :

BNA_F

ClientSampleId :

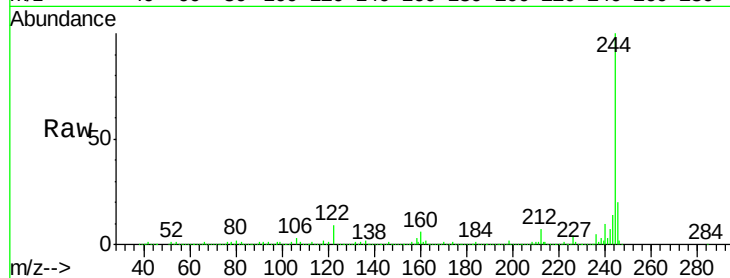
Tot Ion:244 Resp: 1527380

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	8.9	7.6	11.4

244 100

212 6.8 5.4 8.2

122 8.9 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

13.00

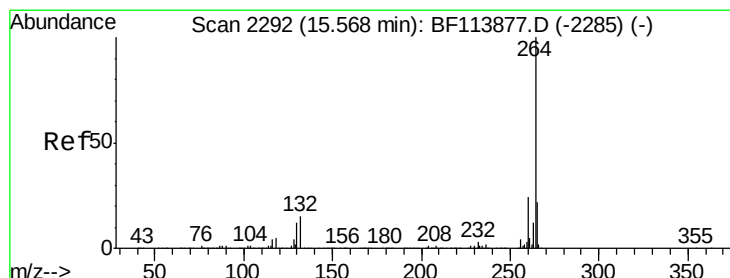
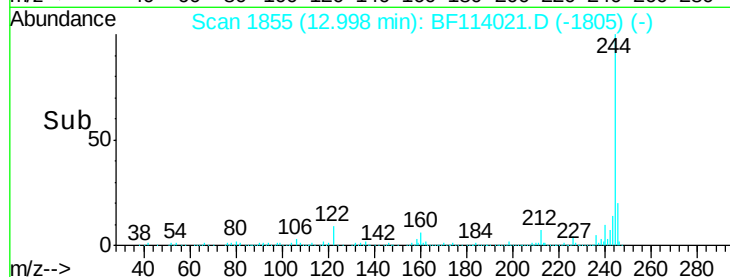
1500000

1000000

500000

0

Time--> 12.90 13.00 13.10



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.02 min

Lab File: BF114021.D

Acq: 29 Apr 2019 13:39

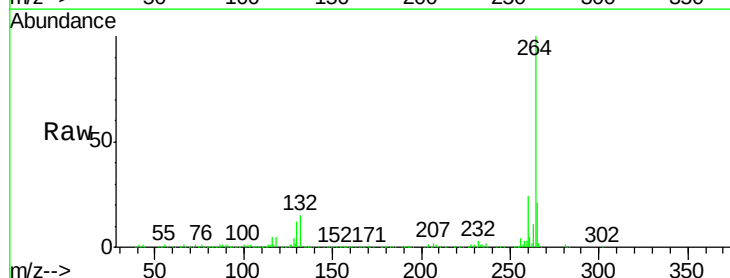
Tgt Ion:264 Resp: 365597

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.3	17.3	25.9

264 100

260 23.8 18.9 28.3

265 21.3 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

15.59

300000

200000

100000

0

Time--> 15.50 15.60 15.70

