

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113932.D
 Acq On : 23 Apr 2019 20:31
 Operator : JU/SJ
 Sample : K2204-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 02:06:20 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

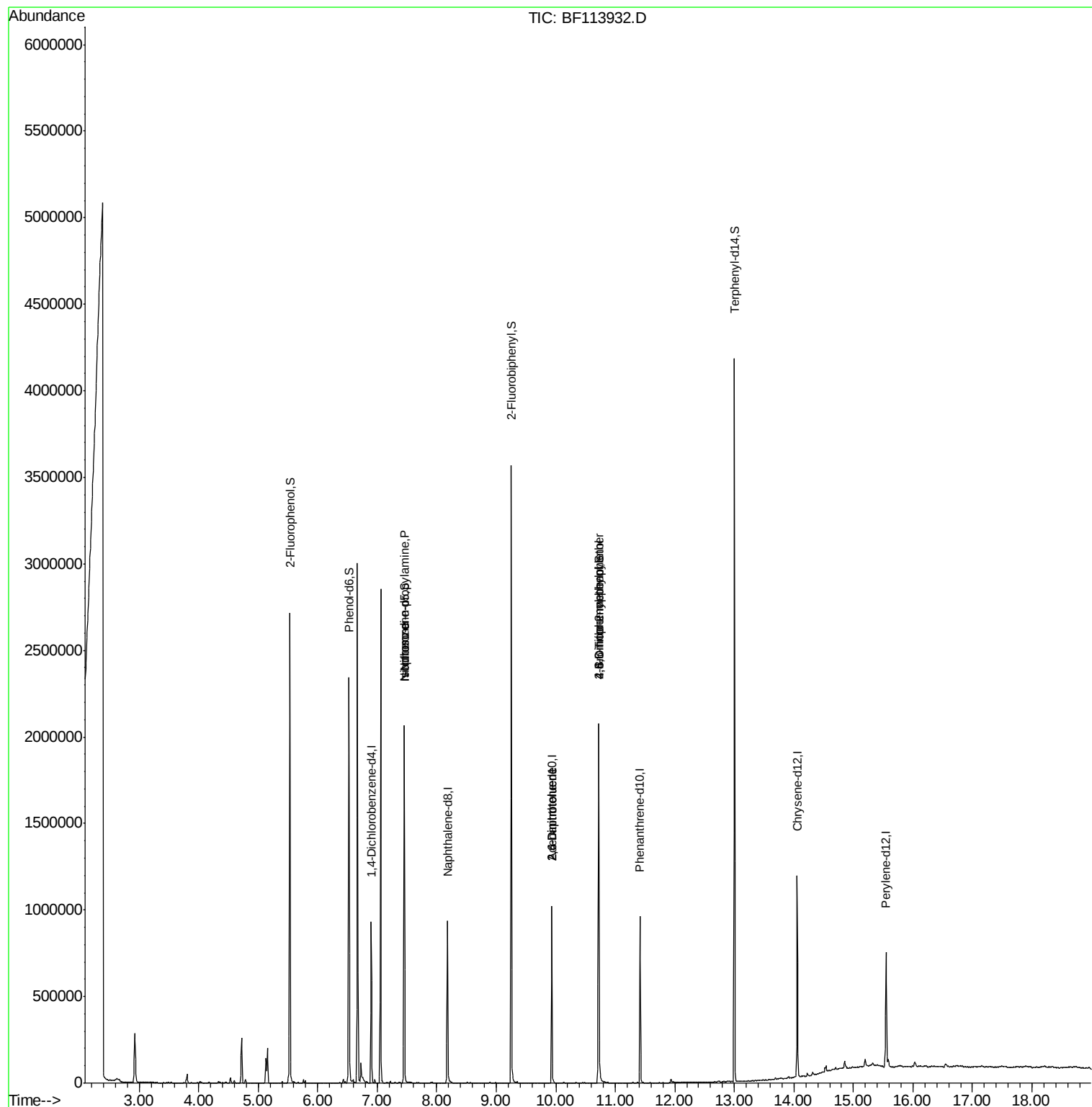
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	128689	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	443504	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	198161	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	353177	20.00	ng	0.00
76) Chrysene-d12	14.06	240	367311	20.00	ng	-0.01
87) Perylene-d12	15.55	264	331993	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	799522	106.26	ng	0.02
7) Phenol-d6	6.53	99	869206	92.08	ng	0.00
23) Nitrobenzene-d5	7.46	82	686597	95.59	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	310492	128.62	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1246074	98.35	ng	0.00
79) Terphenyl-d14	13.00	244	1458978	81.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	857	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.46	70	91486	14.965 ng	#	78
25) Isophorone	7.46	82	684495	46.572 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	24599	8.001 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	24599	6.339 ng	#	30
65) 4,6-Dinitro-2-methylphenol	10.72	198	517	7.579 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	19157	4.490 ng	#	1

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

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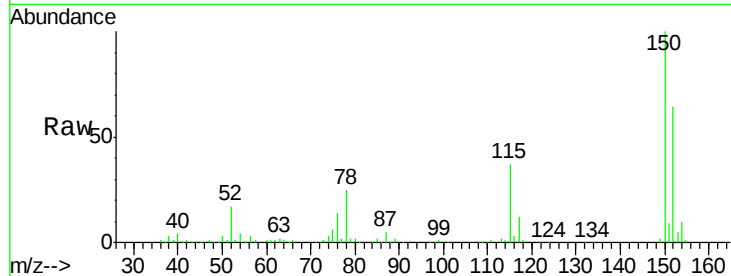


#1

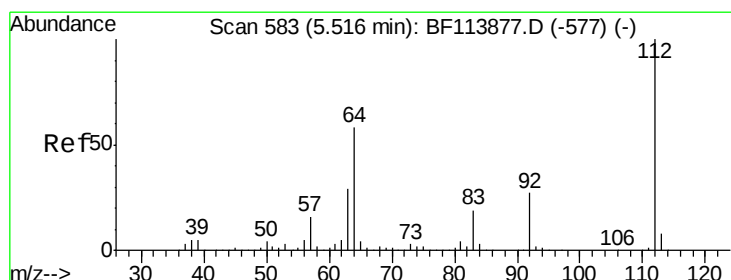
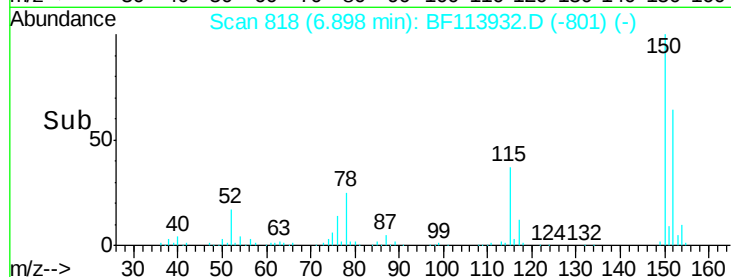
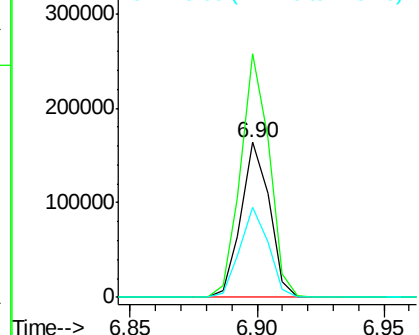
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113932.D
Acq: 23 Apr 2019 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128689
Ion Ratio Lower Upper
152 100
150 157.1 125.9 188.9
115 58.2 45.9 68.9



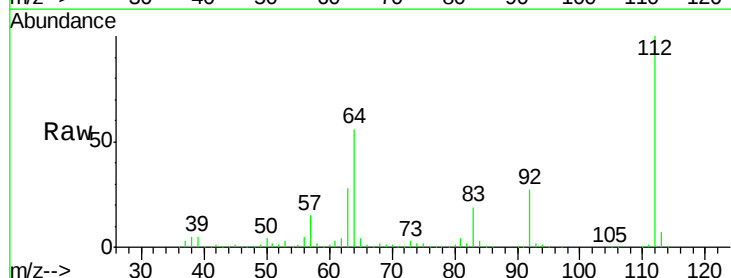
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



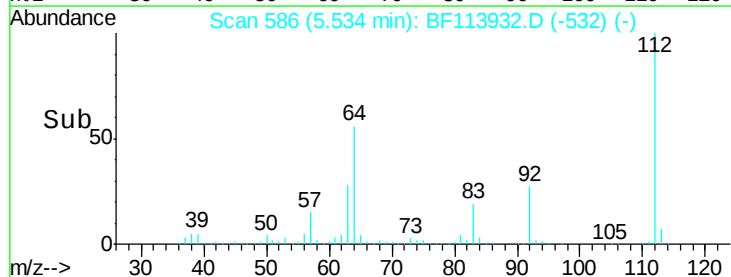
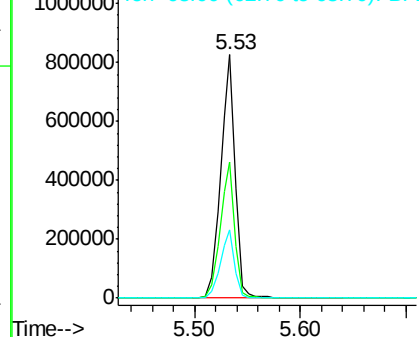
#5

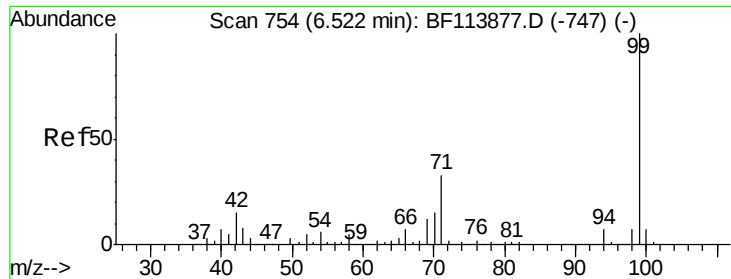
2-Fluorophenol
Concen: 106.261 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF113932.D
Acq: 23 Apr 2019 20:31

Tgt Ion:112 Resp: 799522
Ion Ratio Lower Upper
112 100
64 55.9 46.6 69.8
63 28.0 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: 92.078 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

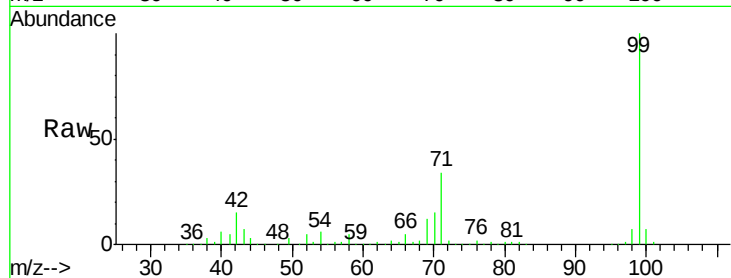
Tot Ion: 99 Resp: 869206

Ion Ratio Lower Upper

99 100

42 14.5 12.5 18.7

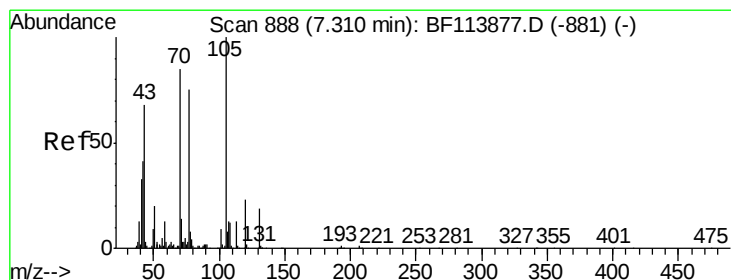
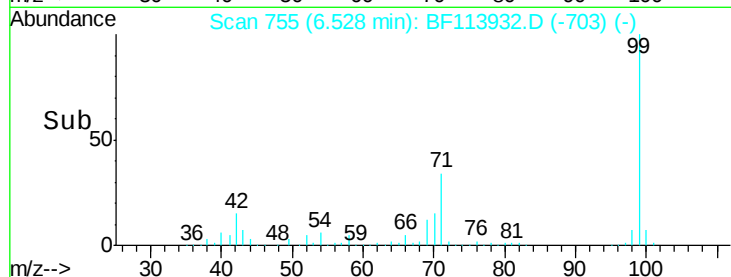
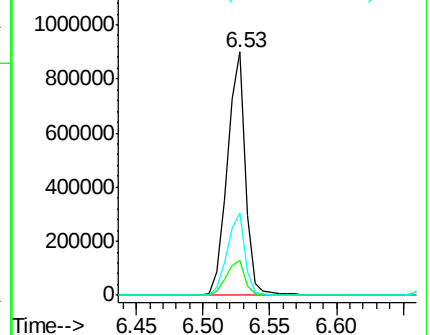
71 33.6 26.9 40.3



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: 14.965 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

Tgt Ion: 70 Resp: 91486

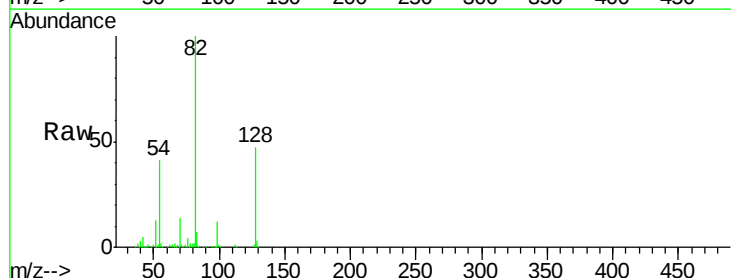
Ion Ratio Lower Upper

70 100

42 39.7 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

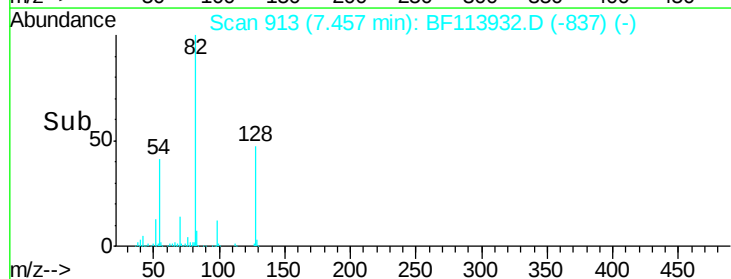
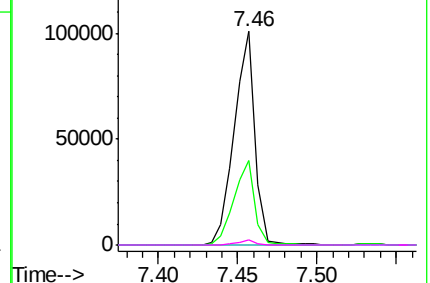


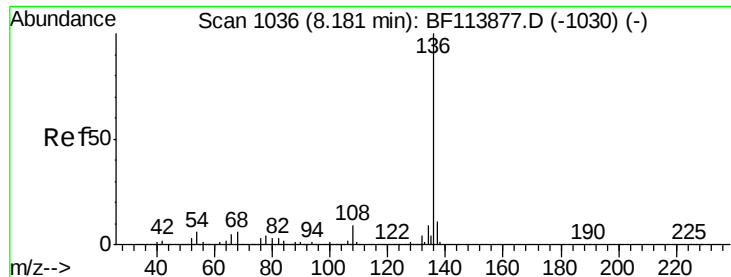
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 443504

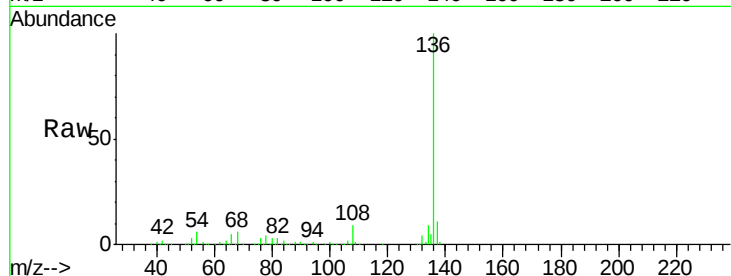
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 5.9 5.0 7.6

68 5.9 4.9 7.3

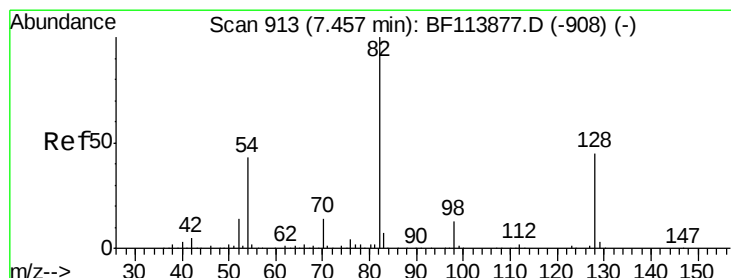
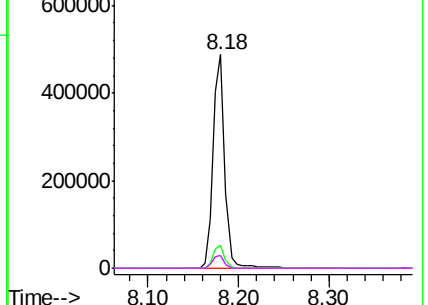
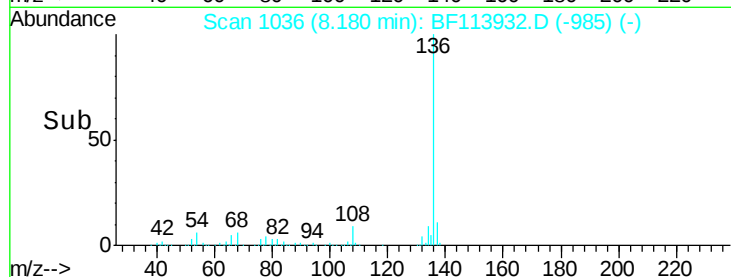


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.587 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

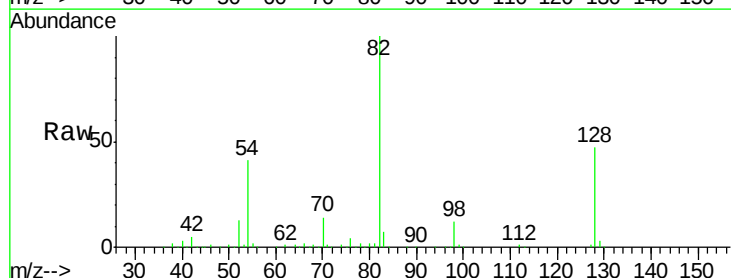
Tgt Ion: 82 Resp: 686597

Ion Ratio Lower Upper

82 100

128 46.6 36.8 55.2

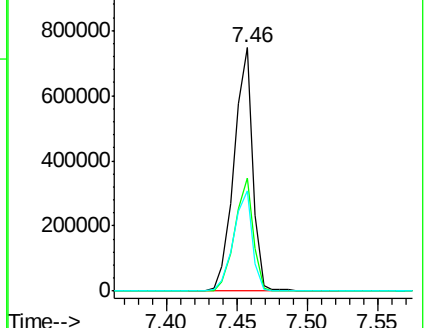
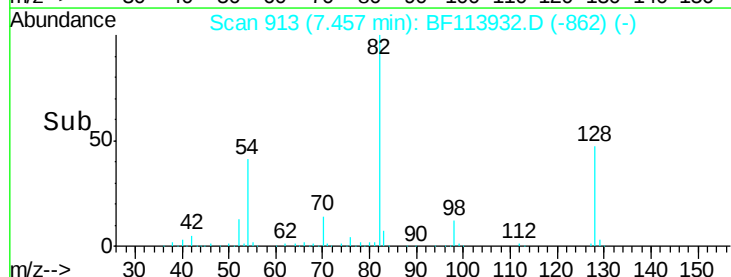
54 41.4 33.8 50.6



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: 46.572 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

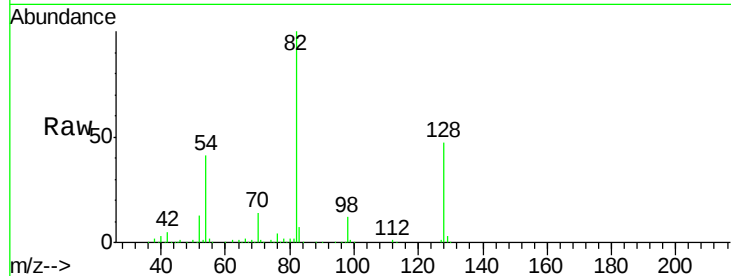
Tot Ion: 82 Resp: 684495

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

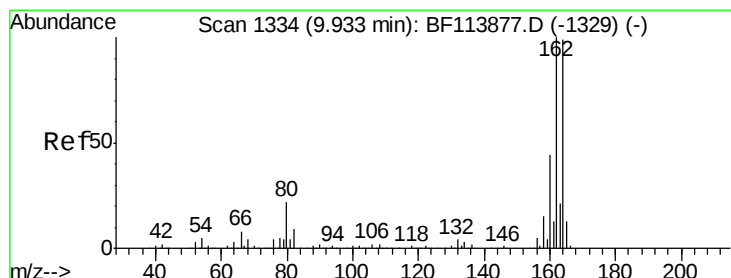
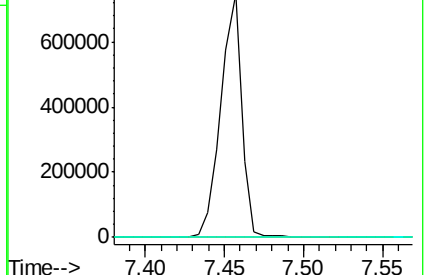
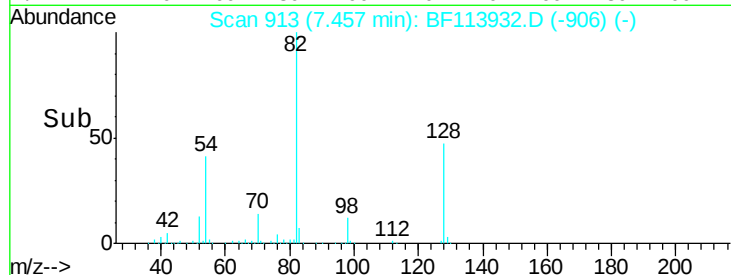
138 0.0 14.6 22.0#



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: BF113932.D

Acq: 23 Apr 2019 20:31

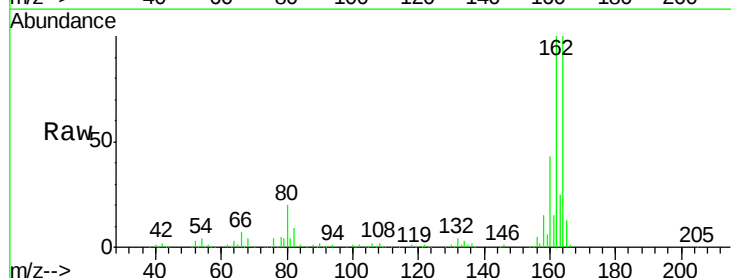
Tgt Ion:164 Resp: 198161

Ion Ratio Lower Upper

164 100

162 100.3 81.1 121.7

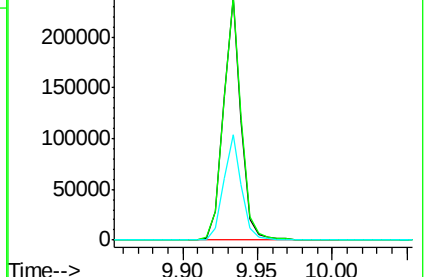
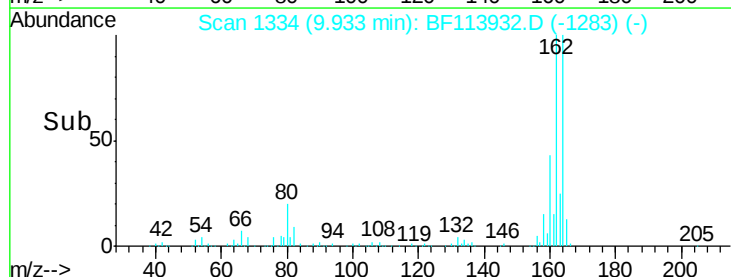
160 43.5 35.8 53.6

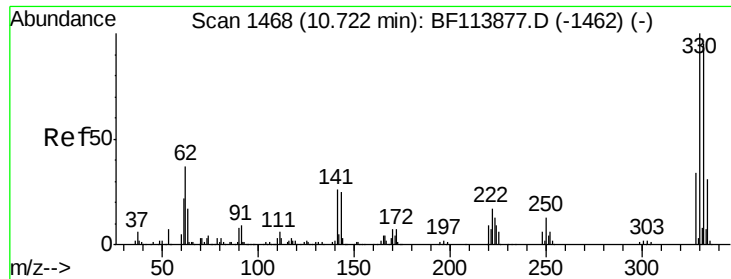


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

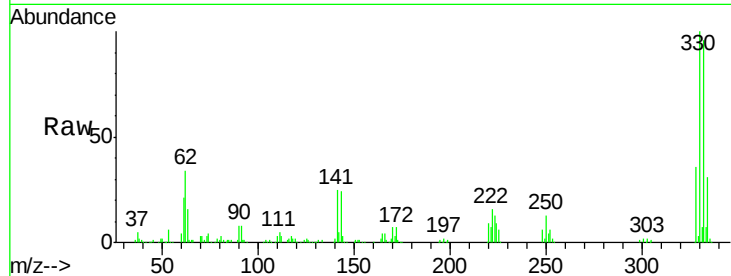




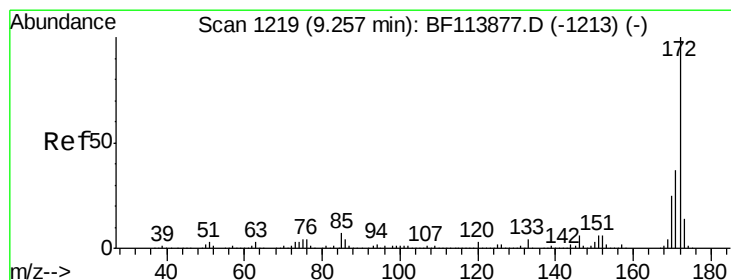
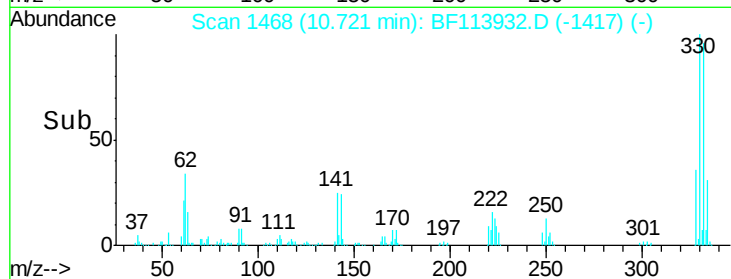
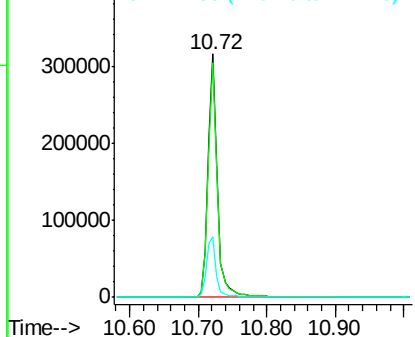
#42
 2,4,6-Tribromophenol
 Concen: 128.621 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113932.D
 Acq: 23 Apr 2019 20:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 310492
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.5 116.3
 141 26.2 22.2 33.2

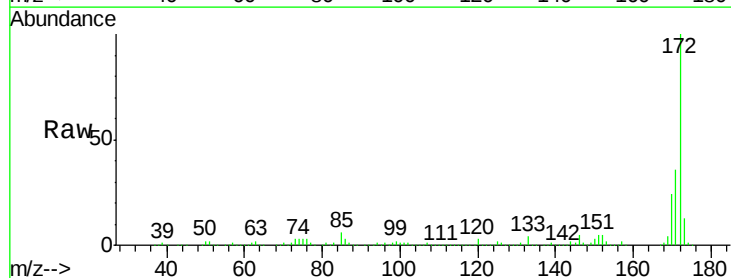


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

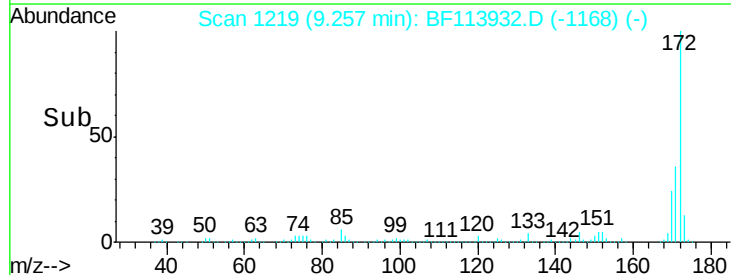
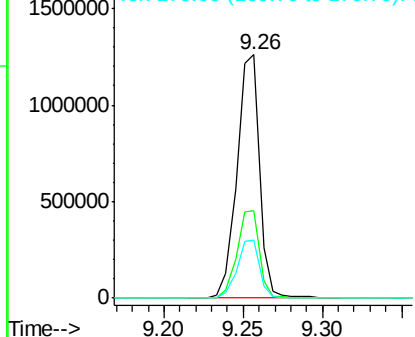


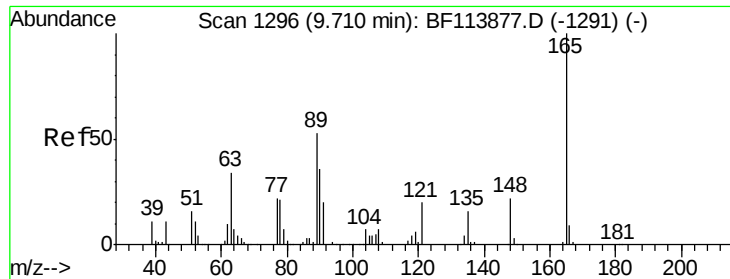
#45
 2-Fluorobiphenyl
 Concen: 98.349 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF113932.D
 Acq: 23 Apr 2019 20:31

Tgt Ion:172 Resp: 1246074
 Ion Ratio Lower Upper
 172 100
 171 36.0 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

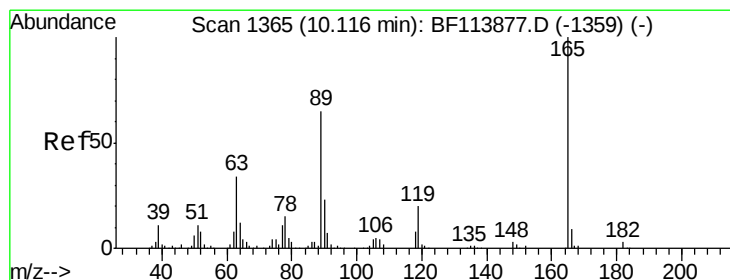
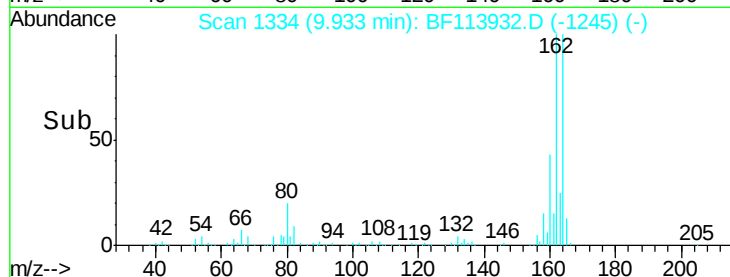
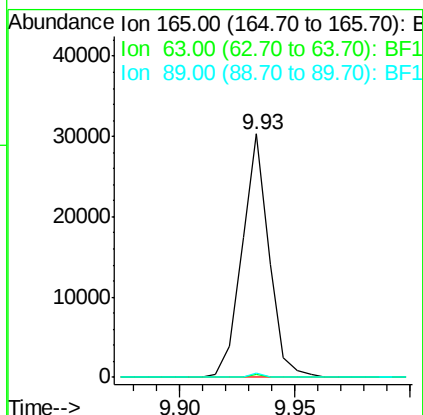
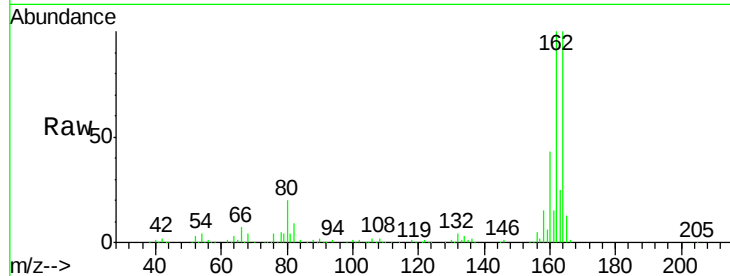




#51
 2,6-Dinitrotoluene
 Concen: 8.001 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113932.D
 Acq: 23 Apr 2019 20:31

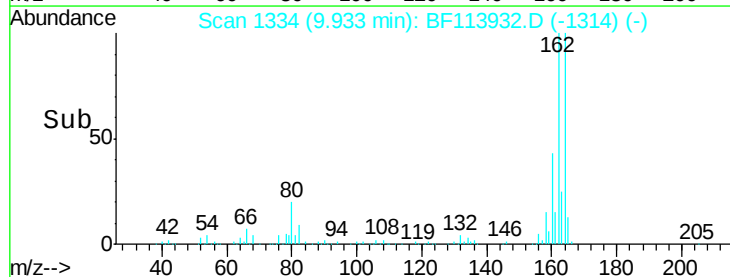
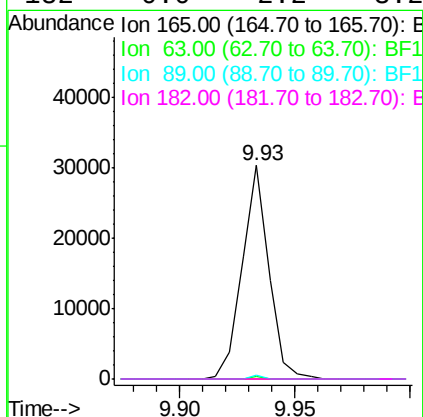
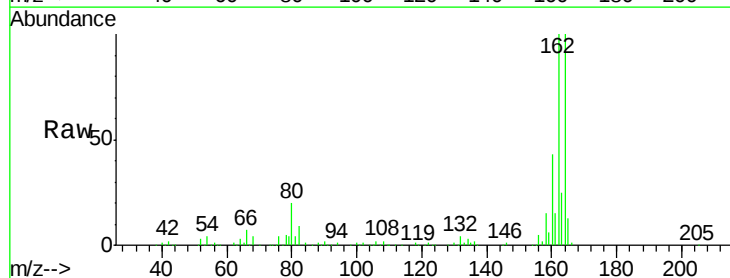
Instrument :
 BNA_F
 ClientSampleId :

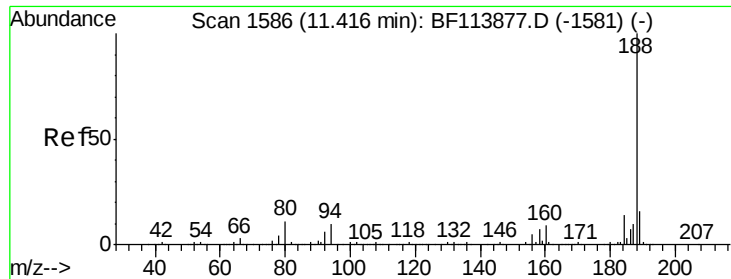
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.6	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.339 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113932.D
 Acq: 23 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.4	41.0#
89	1.6	51.8	77.6#
182	0.0	2.2	3.2#

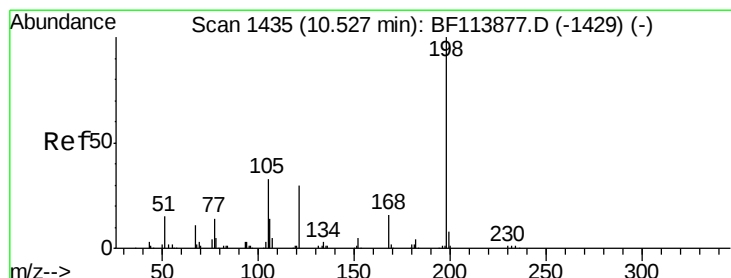
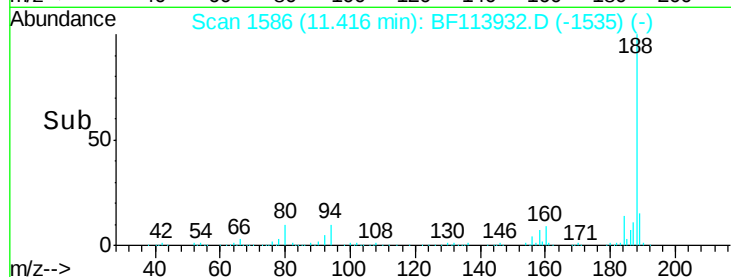
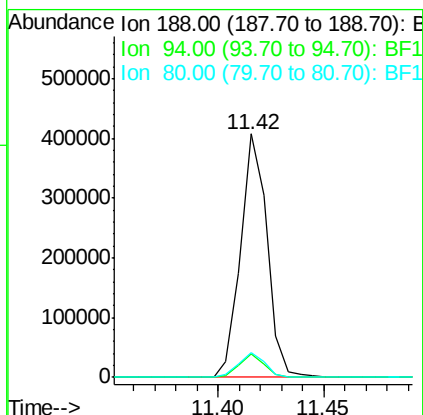
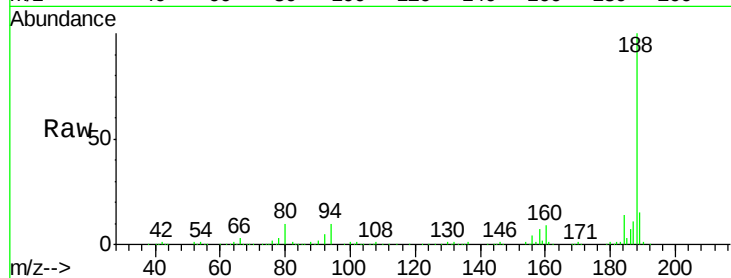




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113932.D
 Acq: 23 Apr 2019 20:31

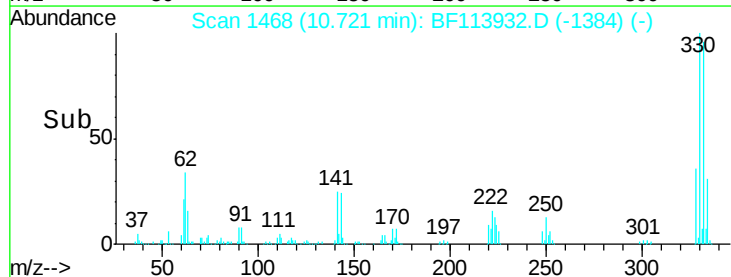
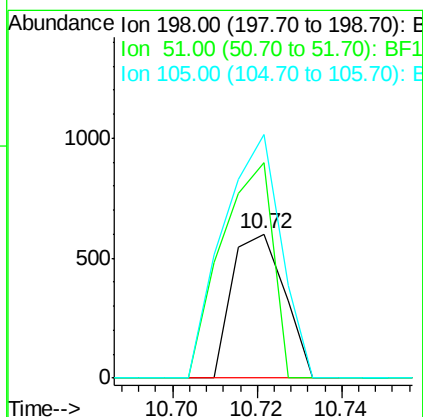
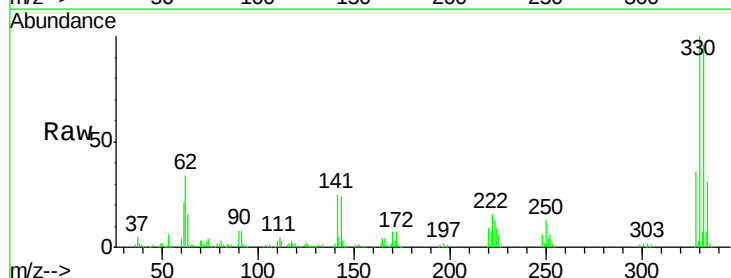
Instrument :
 BNA_F
 ClientSampled :

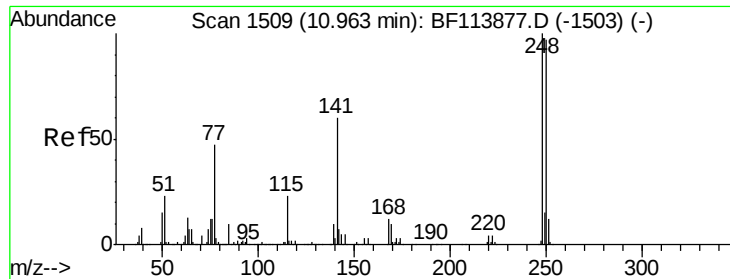
Tot Ion:188 Resp: 353177
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.2 12.4
 80 10.4 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.579 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF113932.D
 Acq: 23 Apr 2019 20:31

Tgt Ion:198 Resp: 517
 Ion Ratio Lower Upper
 198 100
 51 149.3 11.1 51.1#
 105 168.7 20.7 60.7#





#67

4-Bromophenyl-phenylether

Concen: 4.490 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

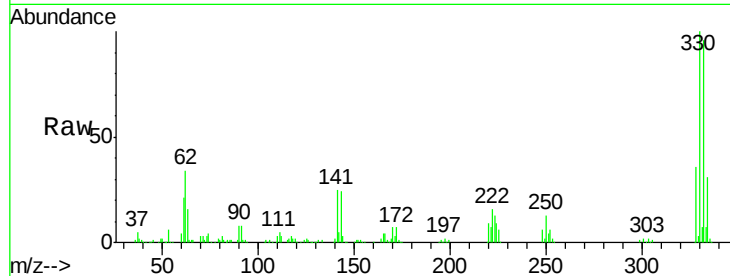
Tot Ion:248 Resp: 19157

Ion Ratio Lower Upper

248 100

250 210.7 75.8 113.6#

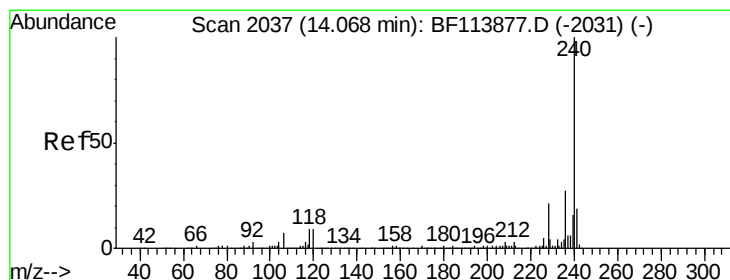
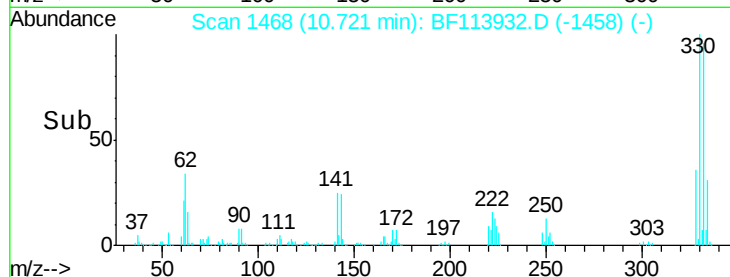
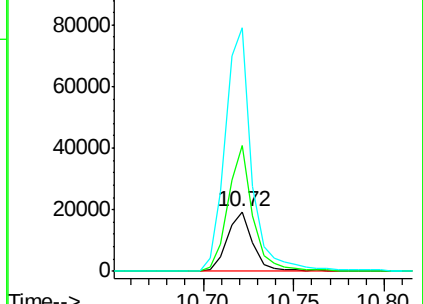
141 407.9 50.2 75.4#



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: BF113932.D

Acq: 23 Apr 2019 20:31

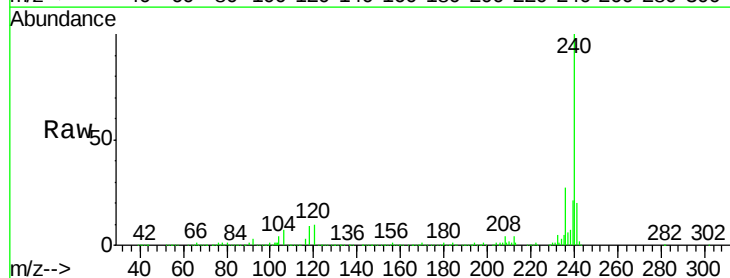
Tgt Ion:240 Resp: 367311

Ion Ratio Lower Upper

240 100

120 10.2 9.3 13.9

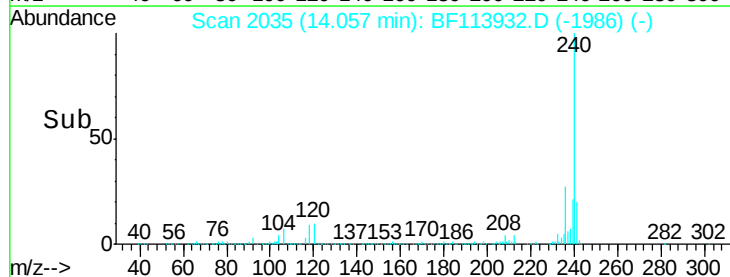
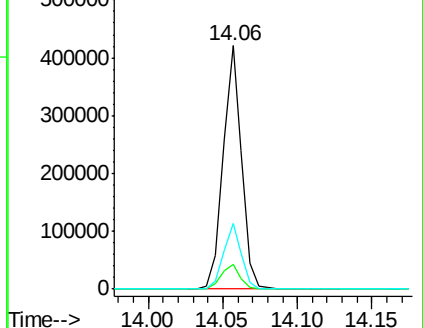
236 26.8 21.2 31.8

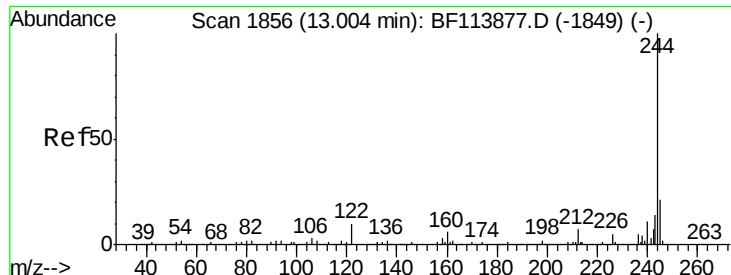


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 81.432 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

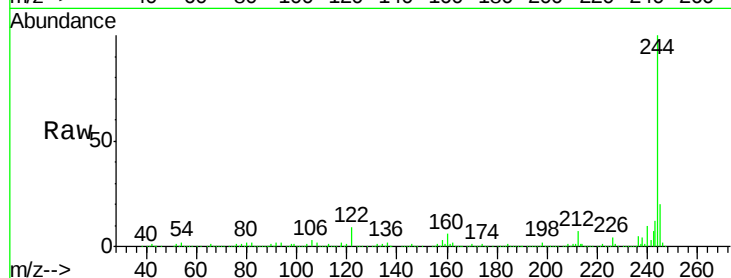
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1458978

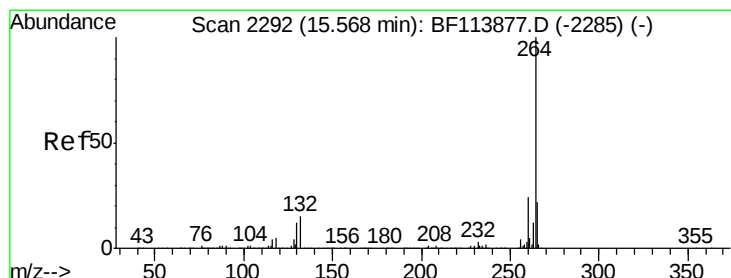
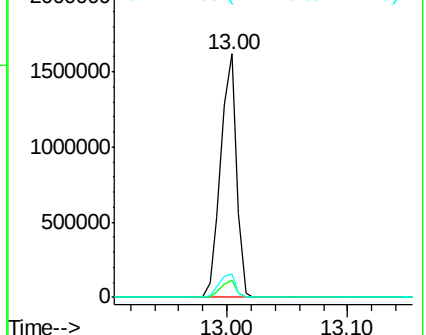
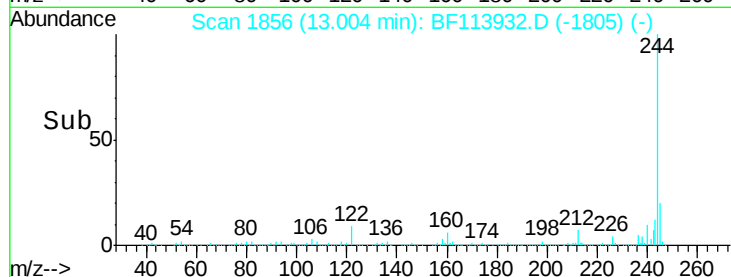
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.4	7.6	11.4



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: 15.55 min Scan# 2289

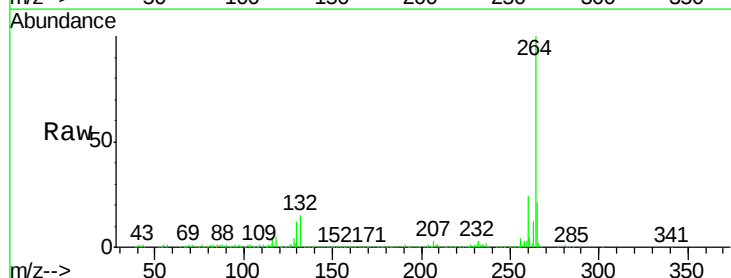
Delta R.T. -0.02 min

Lab File: BF113932.D

Acq: 23 Apr 2019 20:31

Tgt Ion:264 Resp: 331993

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.4	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

