

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113926.D
 Acq On : 23 Apr 2019 17:53
 Operator : JU/SJ
 Sample : K2522-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 02:04:42 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	122999	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	415340	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	178737	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	330140	20.00	ng	0.00
76) Chrysene-d12	14.06	240	355578	20.00	ng	0.00
87) Perylene-d12	15.56	264	309699	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	865024	120.29	ng	0.01
7) Phenol-d6	6.53	99	1068372	118.41	ng	0.00
23) Nitrobenzene-d5	7.46	82	621814	92.44	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	265791	122.07	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1084209	94.87	ng	0.00
79) Terphenyl-d14	13.00	244	1197795	69.06	ng	0.00

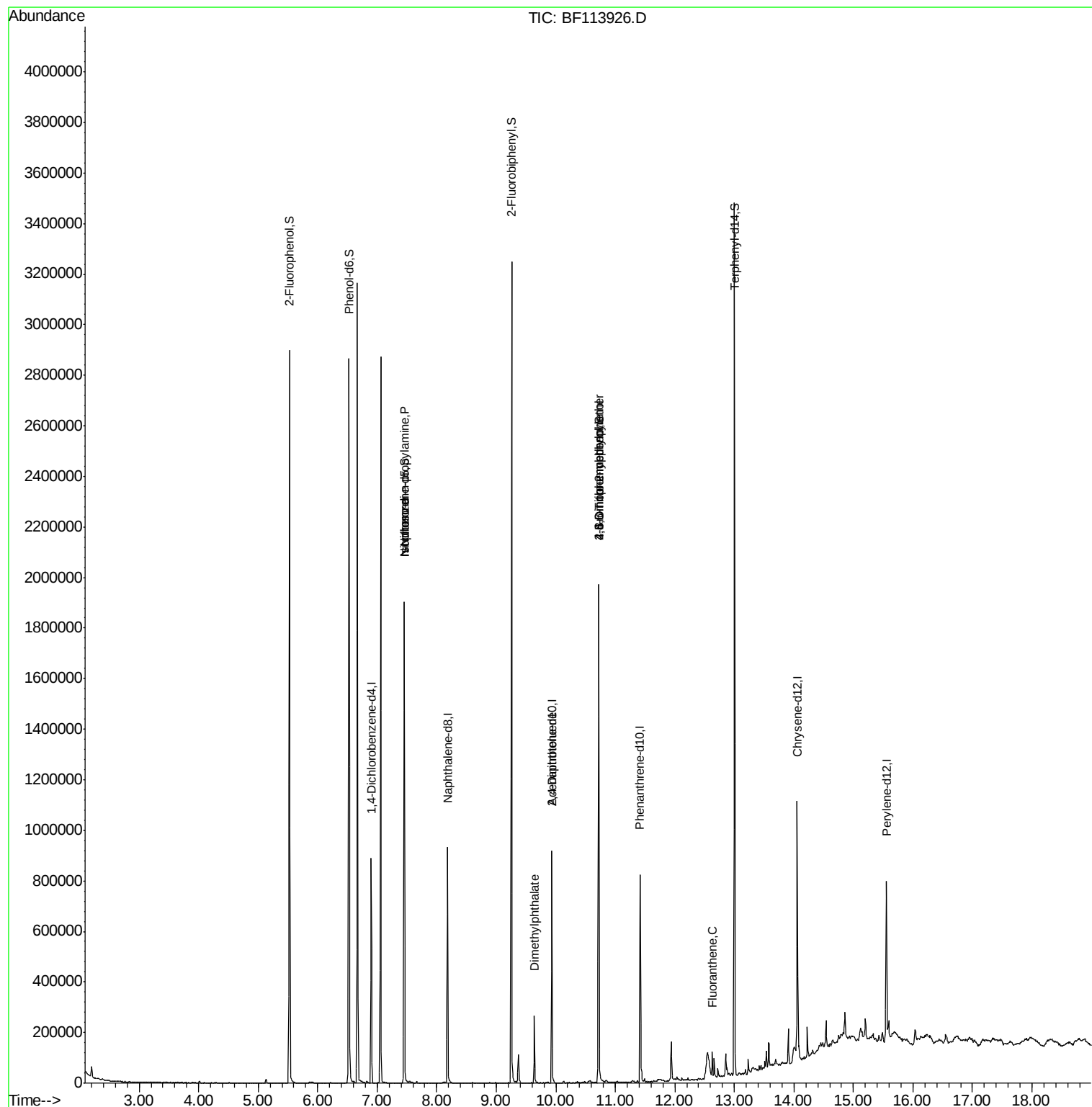
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	20239	Below Cal		81
19) n-Nitroso-di-n-propylamine	7.46	70	84397	14.444 ng	#	77
25) Isophorone	7.46	82	621806	45.176 ng	#	65
50) Dimethylphthalate	9.64	163	116679	9.026 ng		99
57) 2,4-Dinitrotoluene	9.93	165	22920	6.548 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.72	198	406	7.536 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	16446	4.124 ng	#	1
75) Fluoranthene	12.63	202	37952	2.097 ng		99

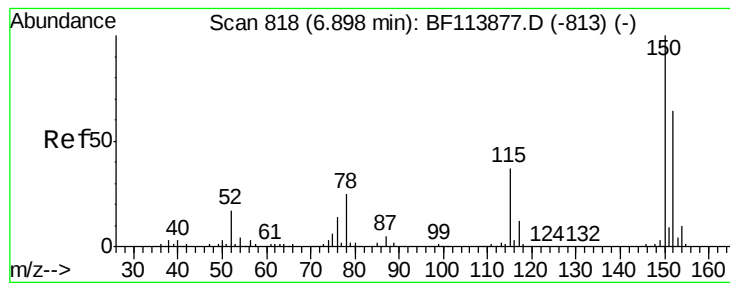
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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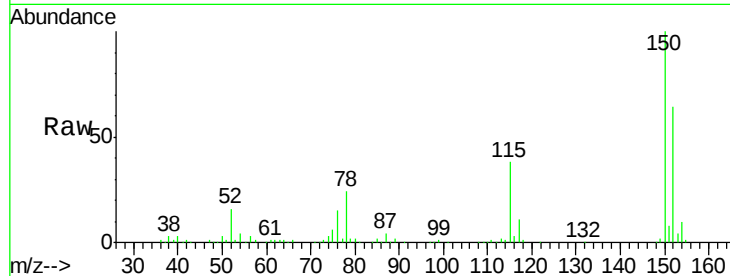


#1

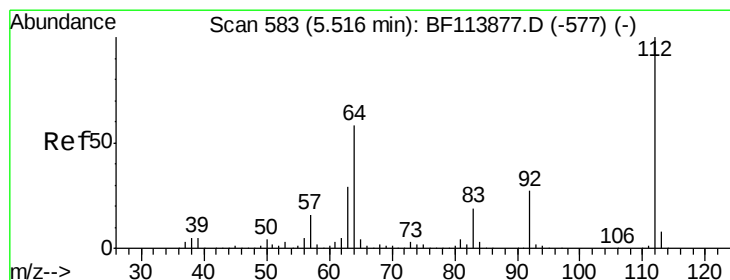
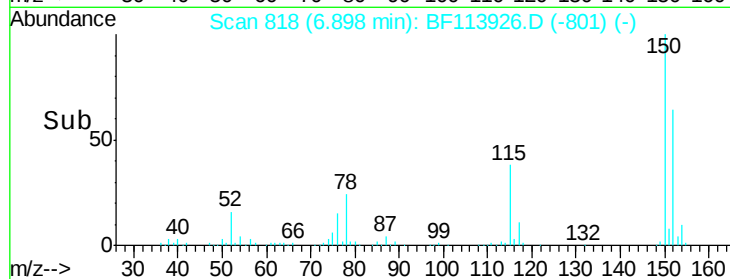
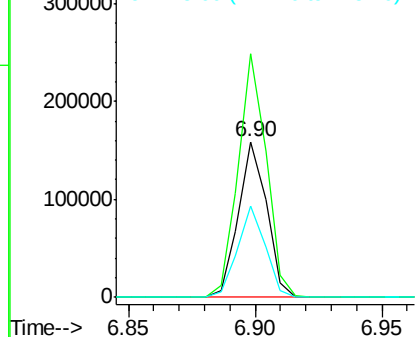
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113926.D
 Acq: 23 Apr 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	58.8	45.9	68.9



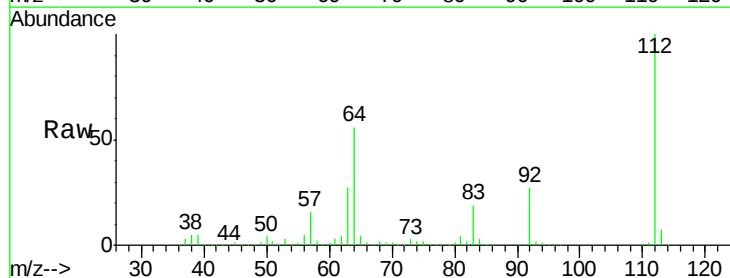
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



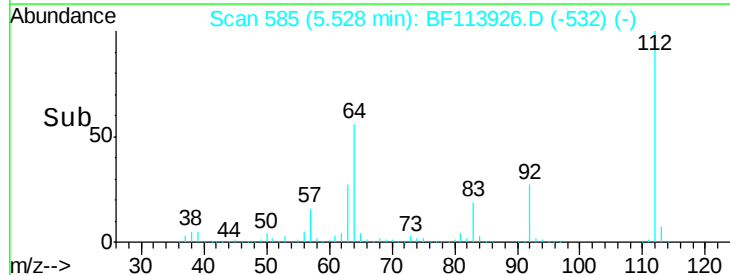
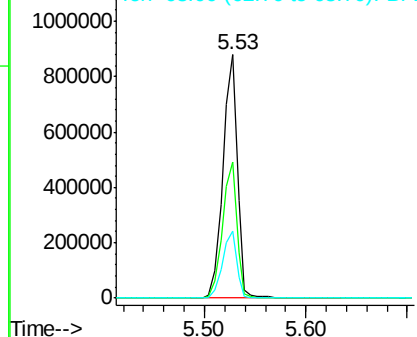
#5

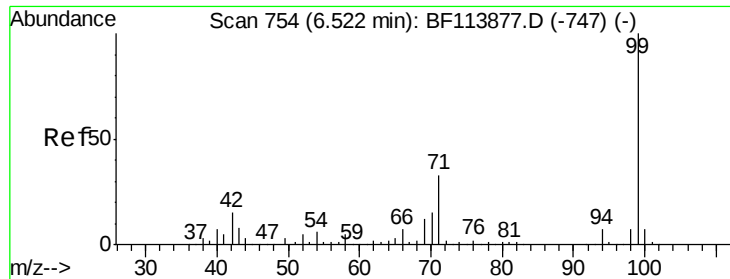
2-Fluorophenol
 Concen: 120.285 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF113926.D
 Acq: 23 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.6	69.8
63	27.4	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: 118.412 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

Instrument :

BNA_F

ClientSampleId :

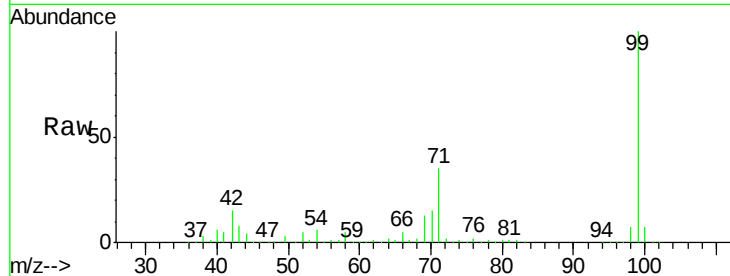
Tot Ion: 99 Resp: 1068372

Ion Ratio Lower Upper

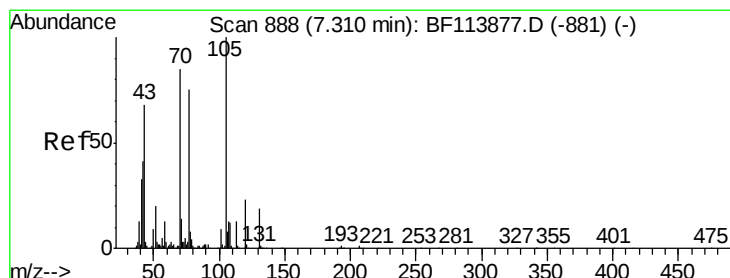
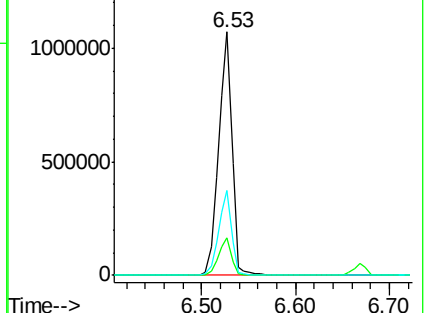
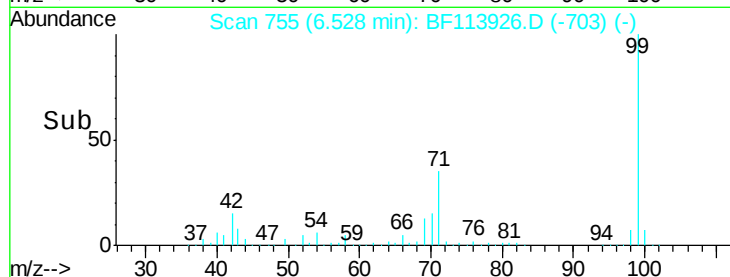
99 100

42 15.4 12.5 18.7

71 34.8 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: 14.444 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

Tgt Ion: 70 Resp: 84397

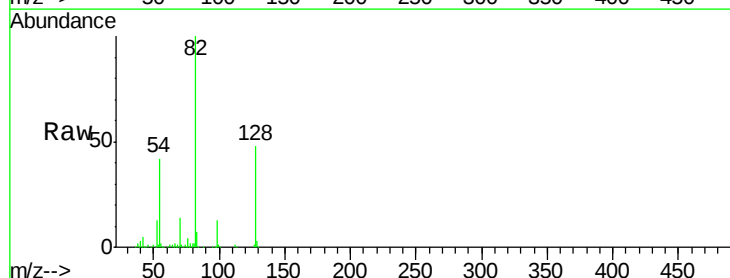
Ion Ratio Lower Upper

70 100

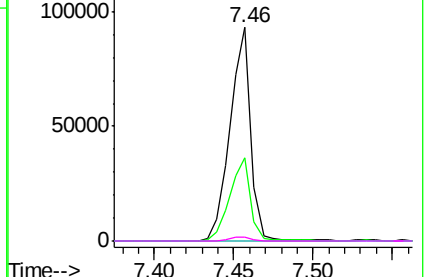
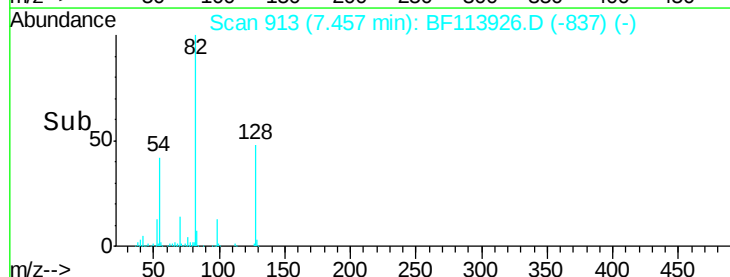
42 38.7 37.3 55.9

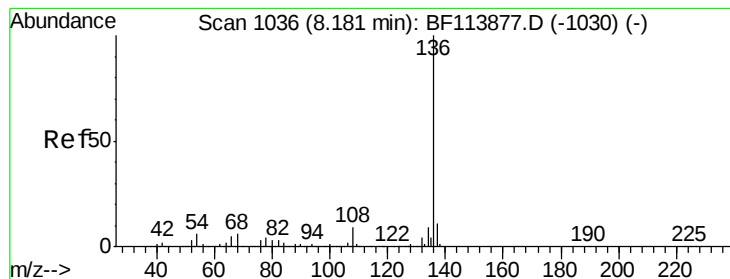
101 0.0 7.8 11.8#

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: BF113926.D

Acq: 23 Apr 2019 17:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 415340

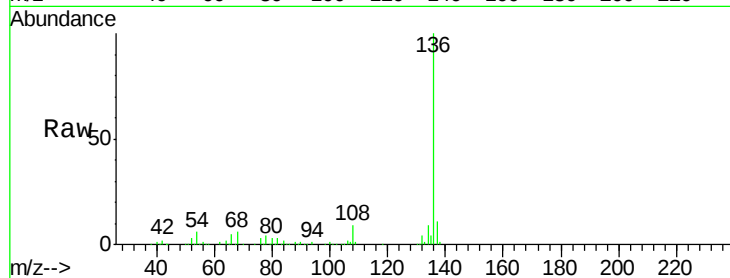
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 5.9 5.0 7.6

68 5.8 4.9 7.3

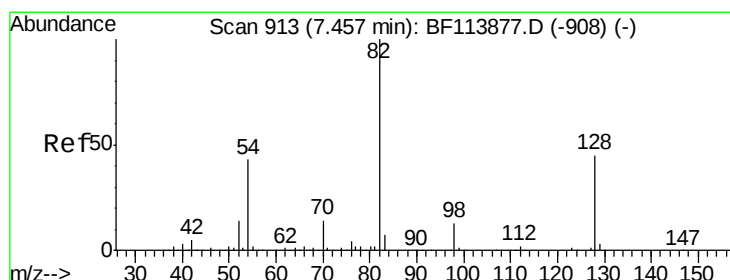
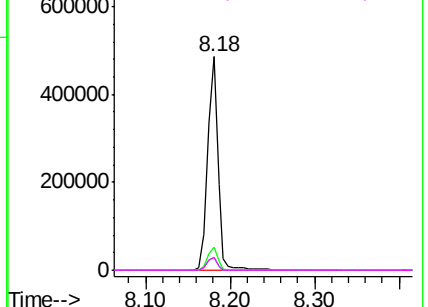
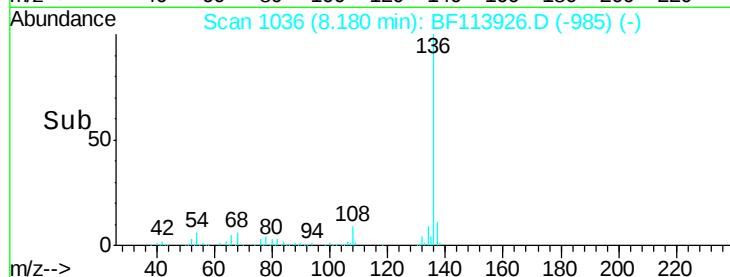


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.438 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

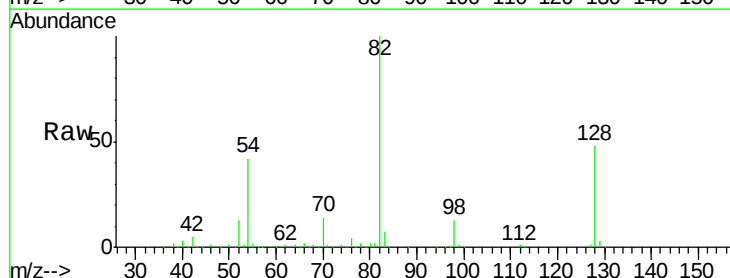
Tgt Ion: 82 Resp: 621814

Ion Ratio Lower Upper

82 100

128 47.9 36.8 55.2

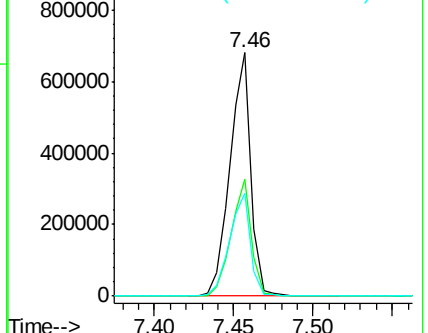
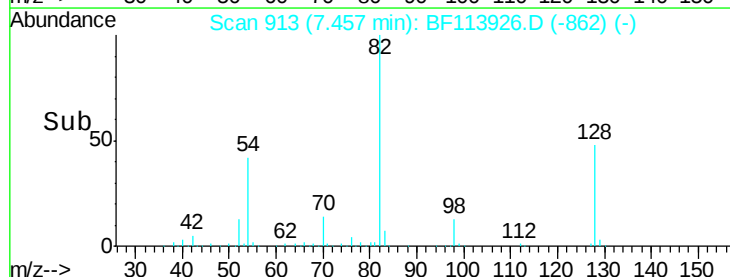
54 42.1 33.8 50.6

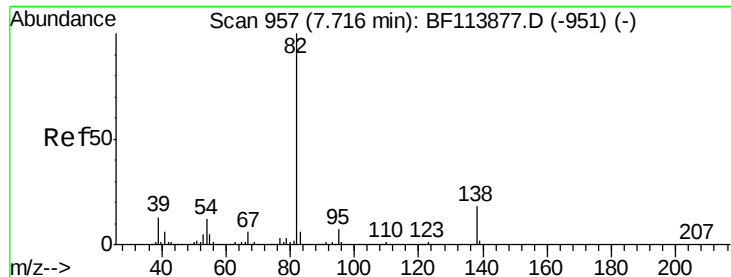


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.176 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

Instrument :

BNA_F

ClientSampled :

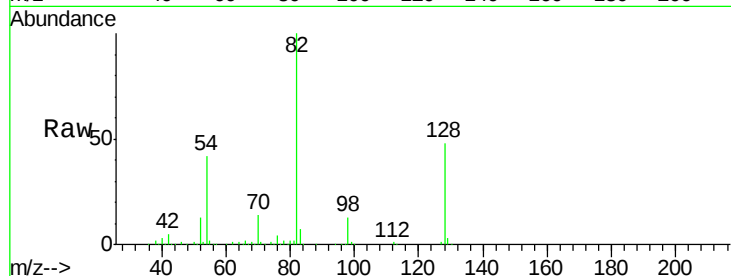
Tot Ion: 82 Resp: 621806

Ion Ratio Lower Upper

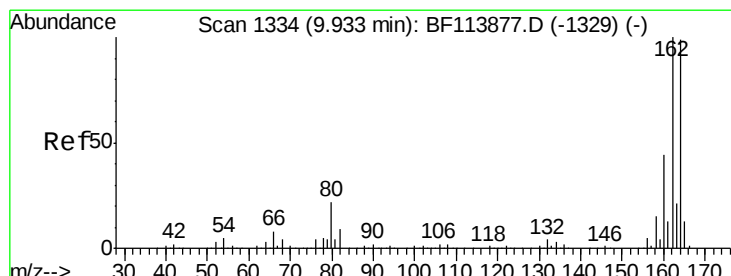
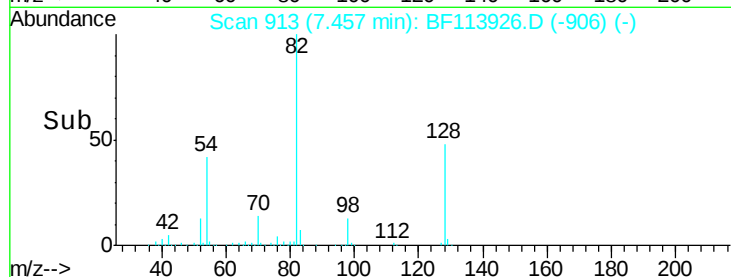
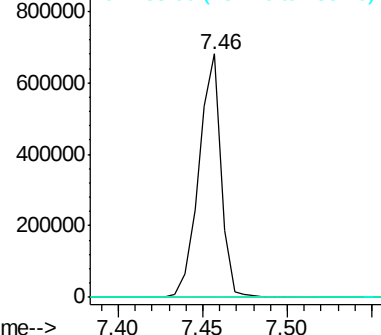
82 100

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: BF113926.D

Acq: 23 Apr 2019 17:53

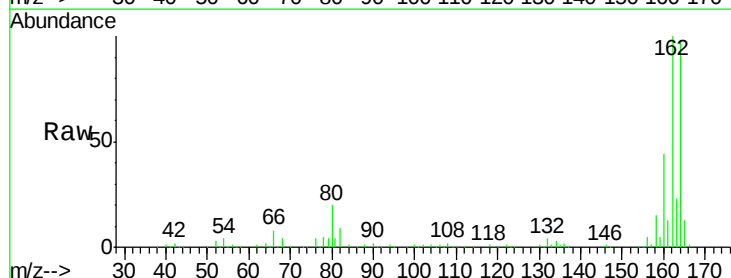
Tgt Ion: 164 Resp: 178737

Ion Ratio Lower Upper

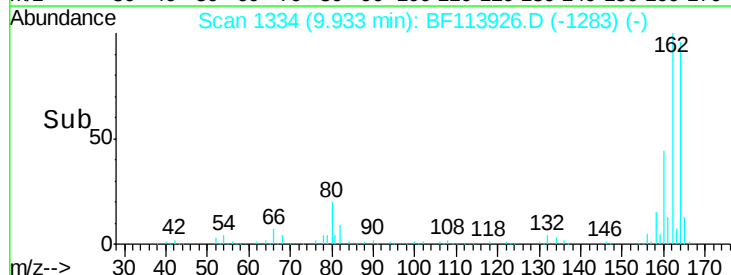
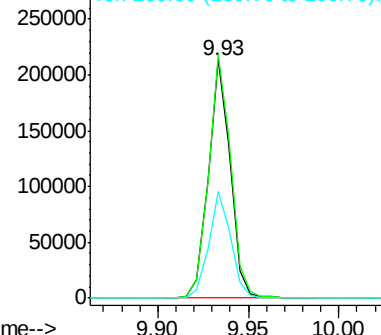
164 100

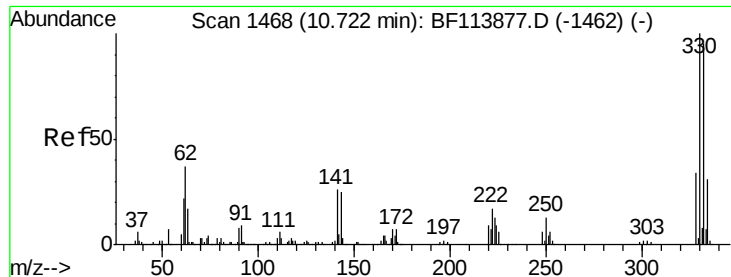
162 102.2 81.1 121.7

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

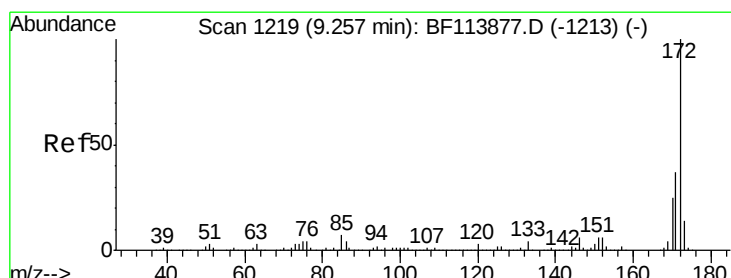
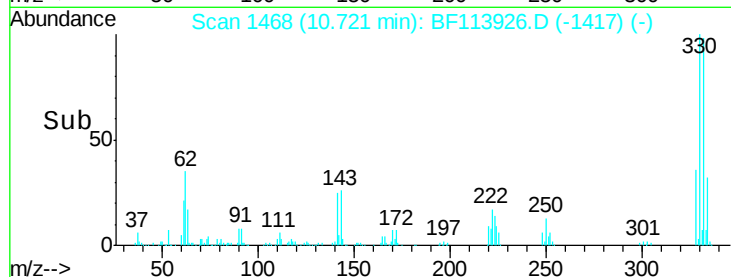
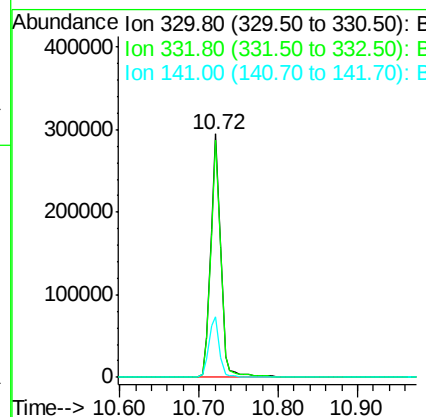
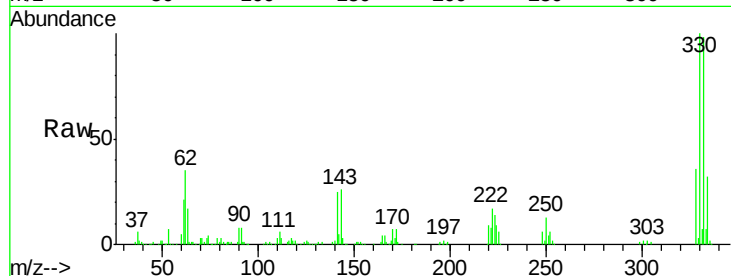




#42
 2,4,6-Tribromophenol
 Concen: 122.069 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113926.D
 Acq: 23 Apr 2019 17:53

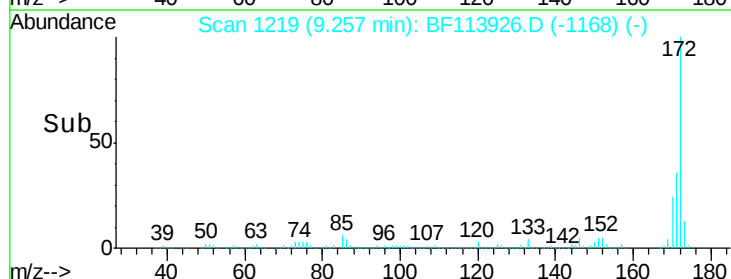
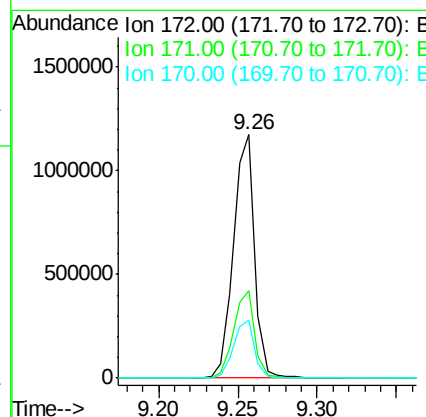
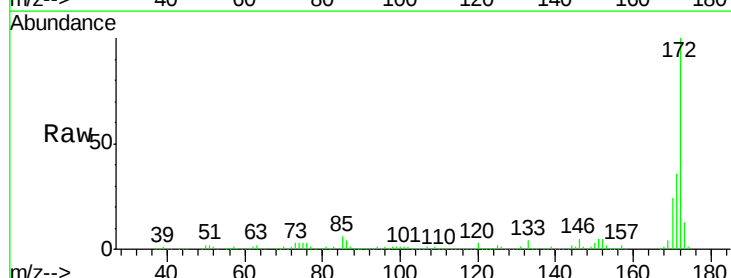
Instrument :
 BNA_F
 ClientSampleId :

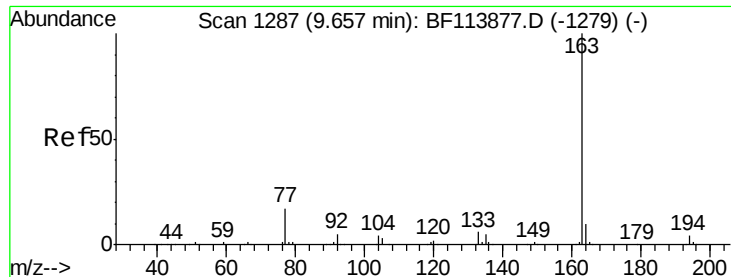
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.5	116.3
141	26.1	22.2	33.2



#45
 2-Fluorobiphenyl
 Concen: 94.873 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF113926.D
 Acq: 23 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	23.9	19.9	29.9





#50

Dimethylphthalate

Concen: 9.026 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

Instrument :

BNA_F

ClientSampleId :

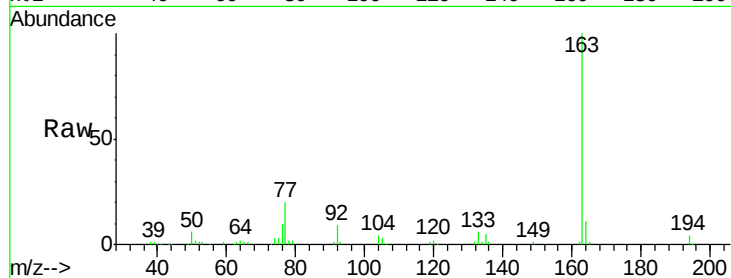
Tot Ion:163 Resp: 116679

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

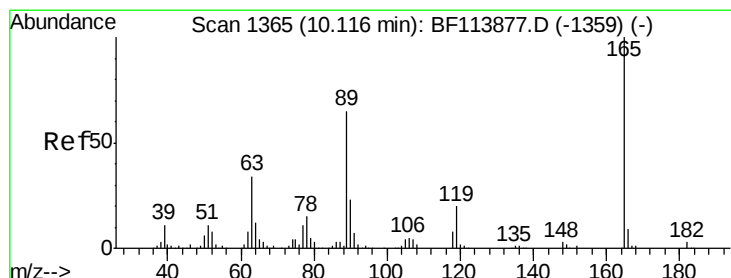
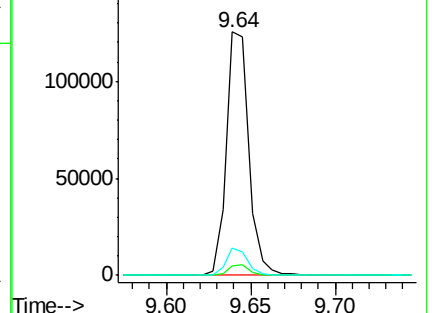
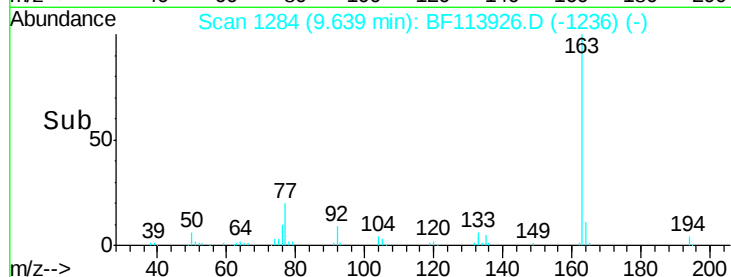
164 11.1 8.5 12.7



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: 6.548 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

Tgt Ion:165 Resp: 22920

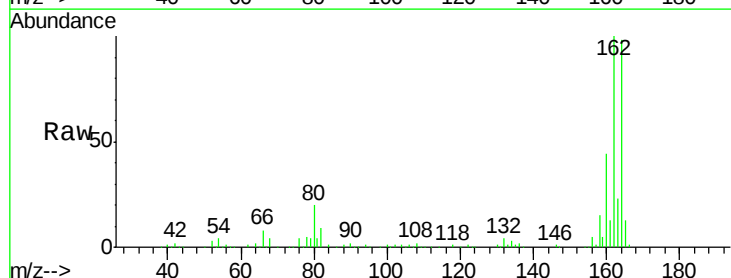
Ion Ratio Lower Upper

165 100

63 0.0 27.4 41.0#

89 0.0 51.8 77.6#

182 0.0 2.2 3.2#

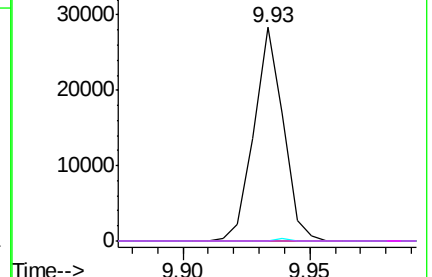
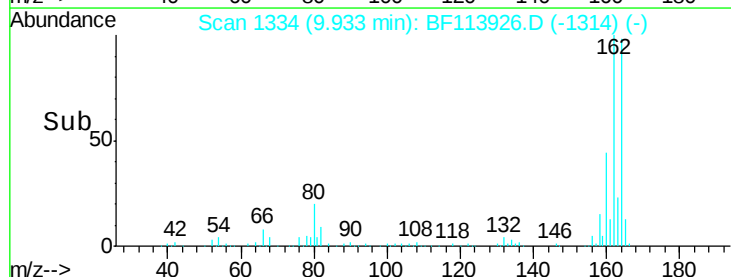


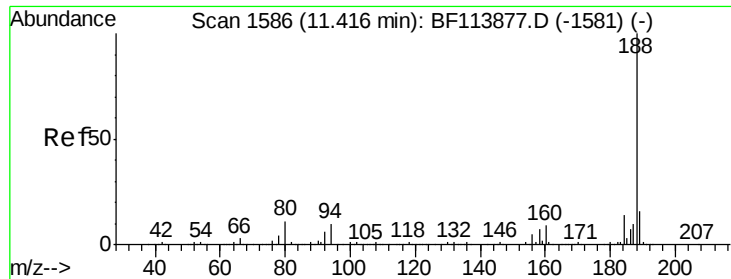
Abundance Ion 165.00 (164.70 to 165.70): E

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

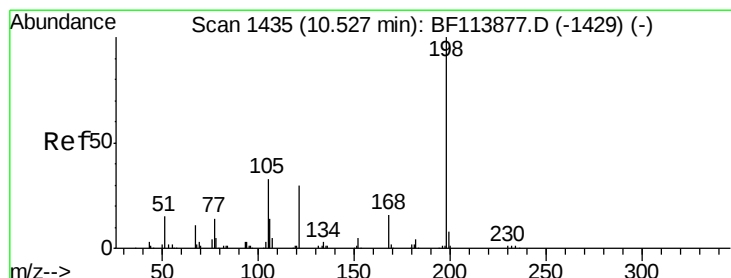
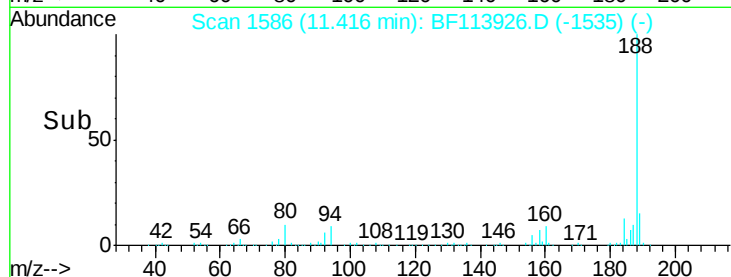
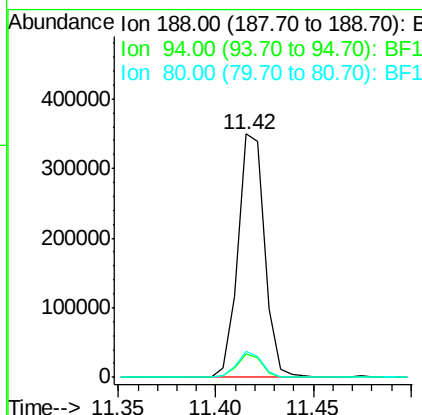
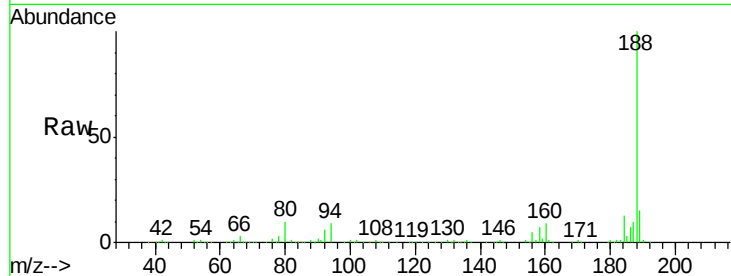




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113926.D
 Acq: 23 Apr 2019 17:53

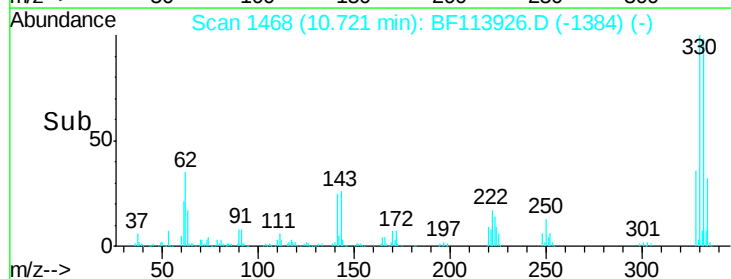
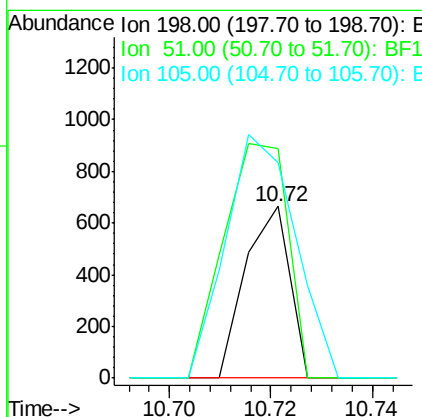
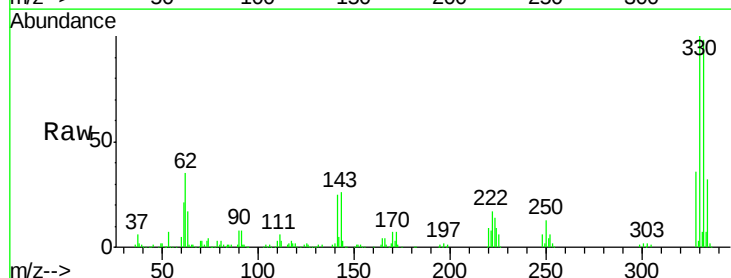
Instrument :
 BNA_F
 ClientSampleId :

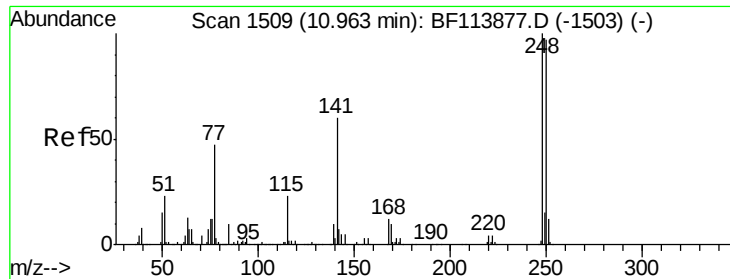
Tot Ion:188 Resp: 330140
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.2 12.4
 80 10.4 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.536 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF113926.D
 Acq: 23 Apr 2019 17:53

Tgt Ion:198 Resp: 406
 Ion Ratio Lower Upper
 198 100
 51 133.9 11.1 51.1#
 105 125.9 20.7 60.7#

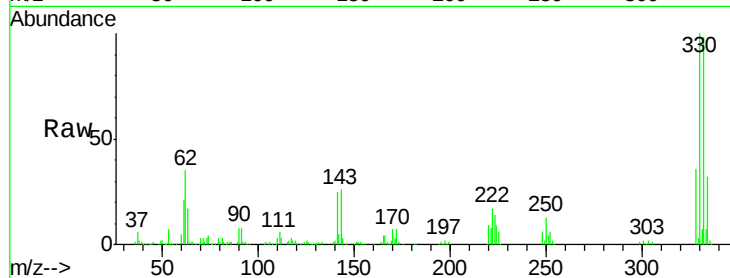




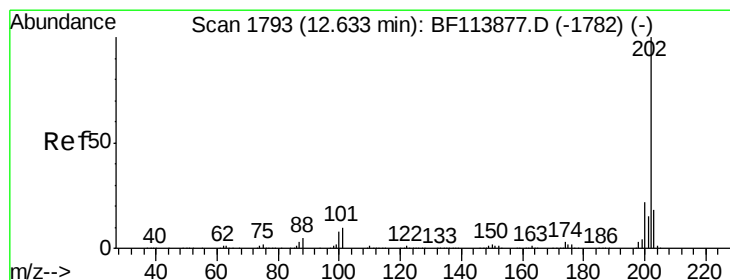
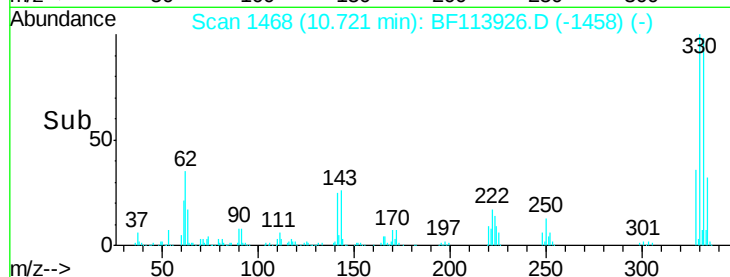
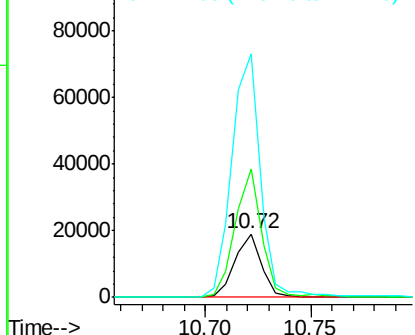
#67
4-Bromophenyl-phenylether
Concen: 4.124 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113926.D
Acq: 23 Apr 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16446
Ion Ratio Lower Upper
248 100
250 200.7 75.8 113.6#
141 382.3 50.2 75.4#

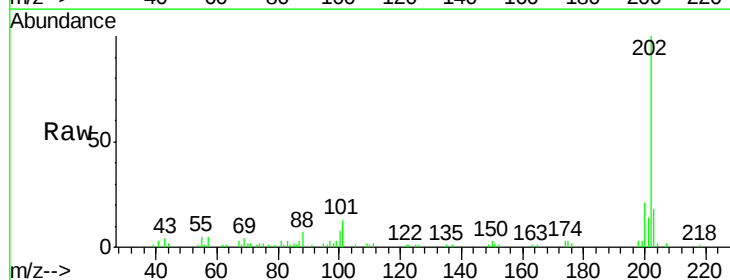


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

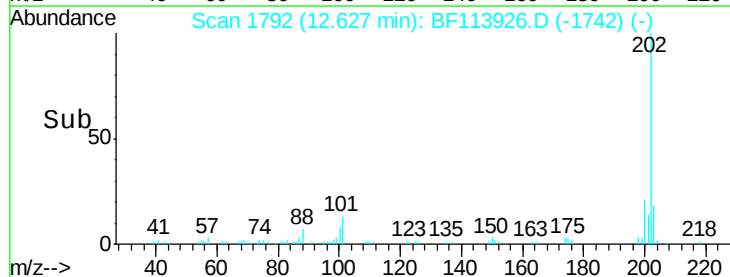
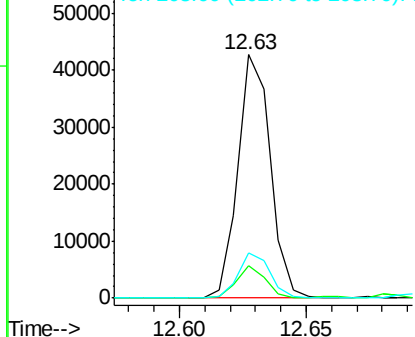


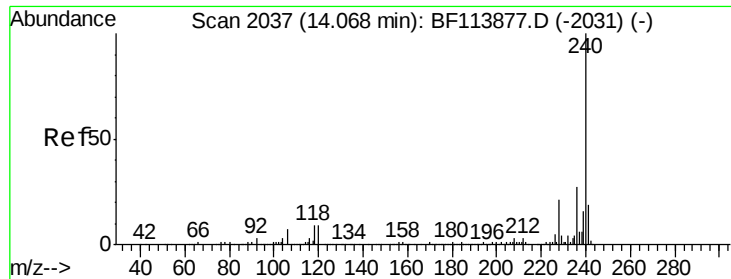
#75
Fluoranthene
Concen: 2.097 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF113926.D
Acq: 23 Apr 2019 17:53

Tgt Ion:202 Resp: 37952
Ion Ratio Lower Upper
202 100
101 13.2 0.0 32.9
203 18.4 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

Instrument :

BNA_F

ClientSampled :

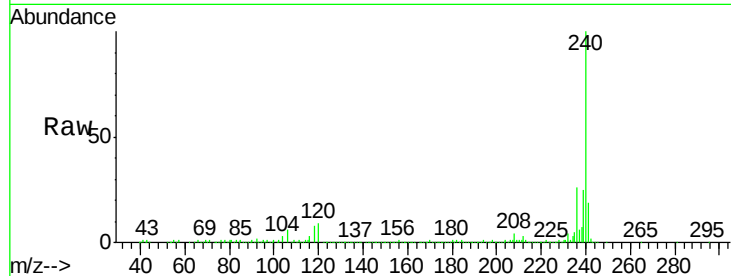
Tot Ion:240 Resp: 355578

Ion Ratio Lower Upper

240 100

120 8.5 9.3 13.9#

236 26.5 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

500000

400000

300000

200000

100000

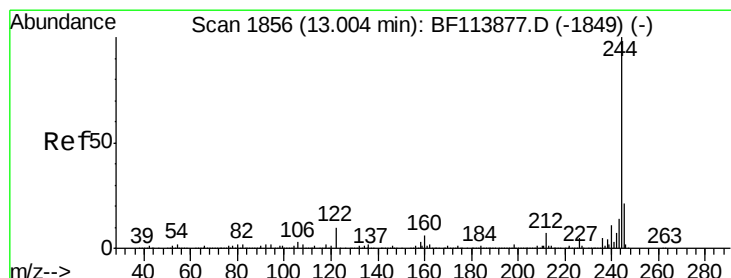
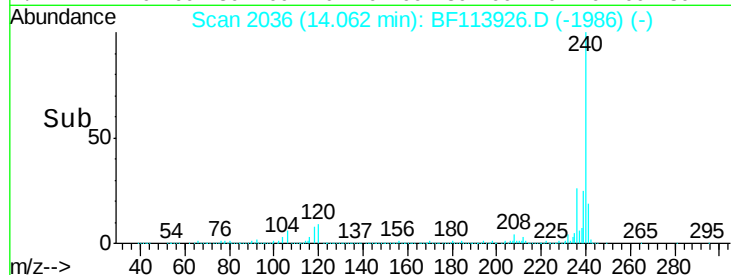
0

14.06

14.00

14.10

Time-->



#79

Terphenyl-d14

Concen: 69.060 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113926.D

Acq: 23 Apr 2019 17:53

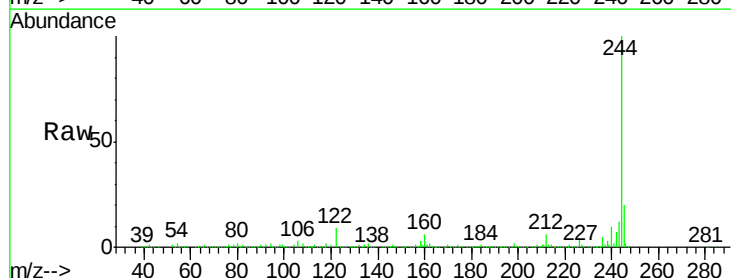
Tgt Ion:244 Resp: 1197795

Ion Ratio Lower Upper

244 100

212 6.4 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

1500000

1000000

500000

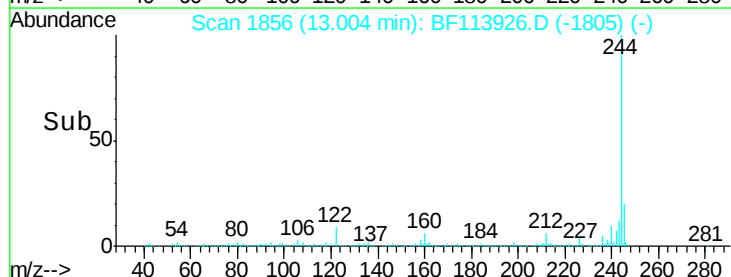
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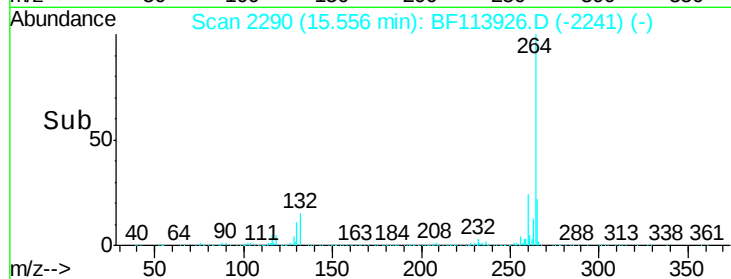
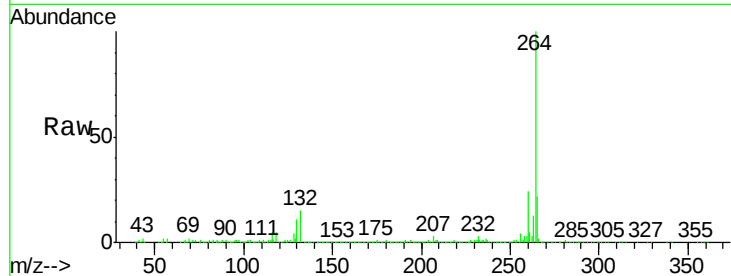
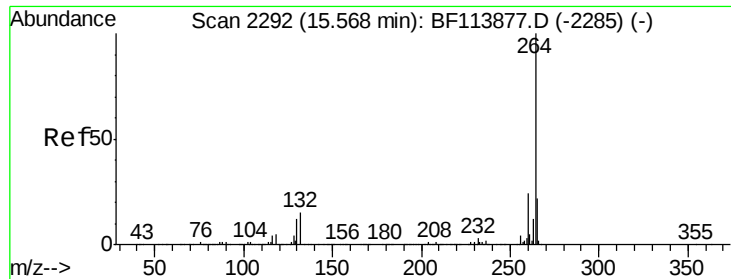
13.00

13.00

13.10

Time-->





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF113926.D
Acq: 23 Apr 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	309699
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	21.8	17.3	25.9

