

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113947.D
 Acq On : 24 Apr 2019 4:06
 Operator : JU/SJ
 Sample : K2530-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:20:18 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	137647	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	467808	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	211701	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	364819	20.00	ng	0.00
76) Chrysene-d12	14.05	240	372433	20.00	ng	-0.02
87) Perylene-d12	15.53	264	319060	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	801832	99.63	ng	0.01
7) Phenol-d6	6.53	99	1155654	114.46	ng	0.00
23) Nitrobenzene-d5	7.46	82	732790	96.72	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	196518	76.20	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1392369	102.87	ng	0.00
79) Terphenyl-d14	13.00	244	1470823	80.96	ng	0.00

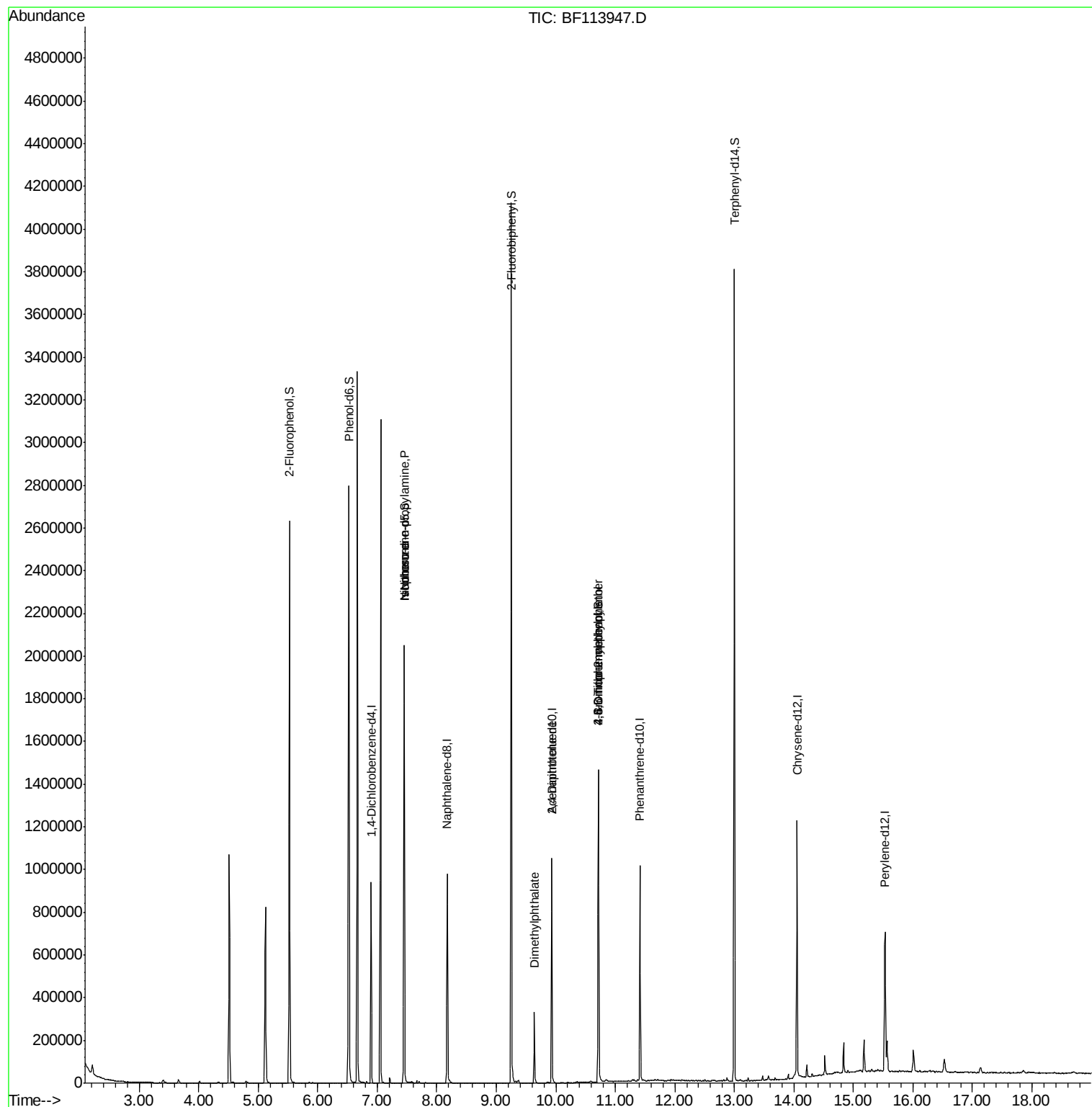
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	20368	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.46	70	97895	14.972	ng	# 76
25) Isophorone	7.46	82	732778	47.267	ng	# 65
50) Dimethylphthalate	9.64	163	140504	9.177	ng	98
57) 2,4-Dinitrotoluene	9.93	165	27135	6.545	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	169	7.394	ng	82
67) 4-Bromophenyl-phenylether	10.72	248	11922	2.705	ng	# 1

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

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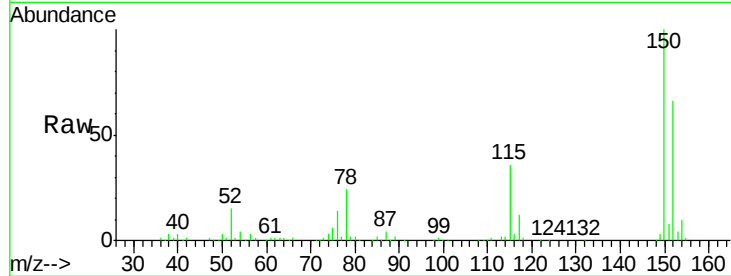


#1

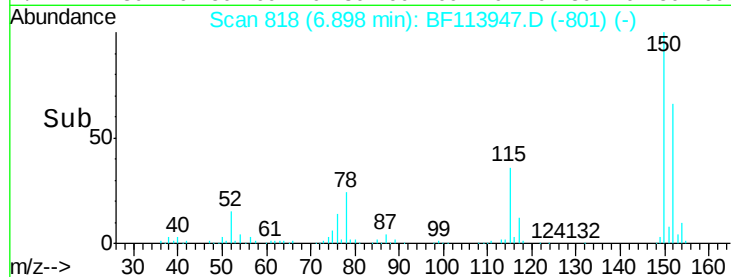
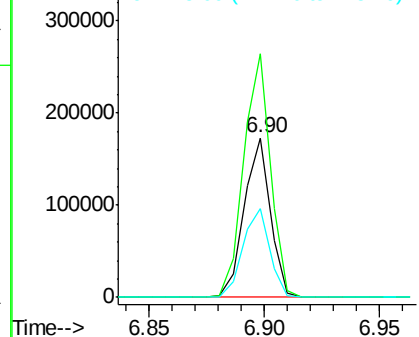
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113947.D
Acq: 24 Apr 2019 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	125.9	188.9
115	55.6	45.9	68.9



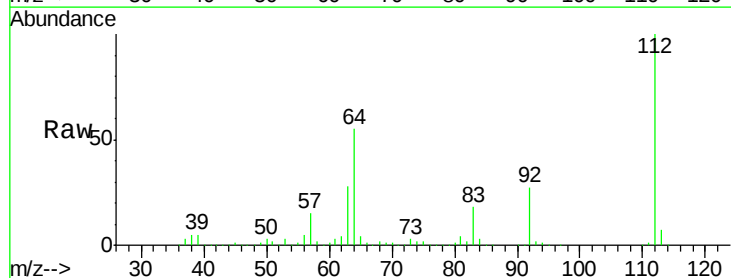
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



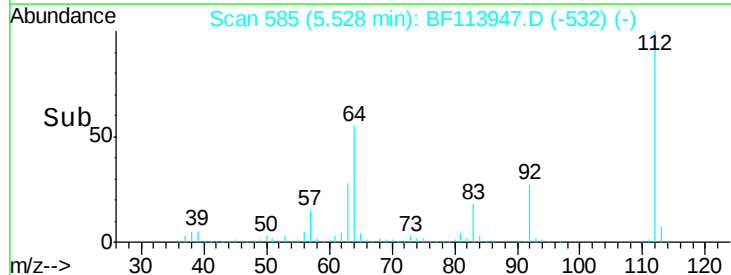
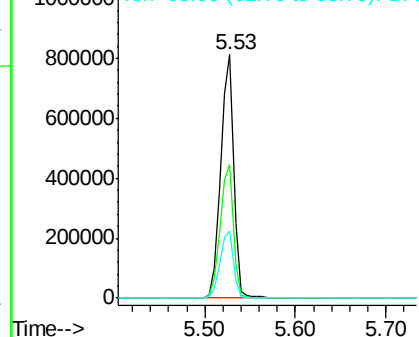
#5

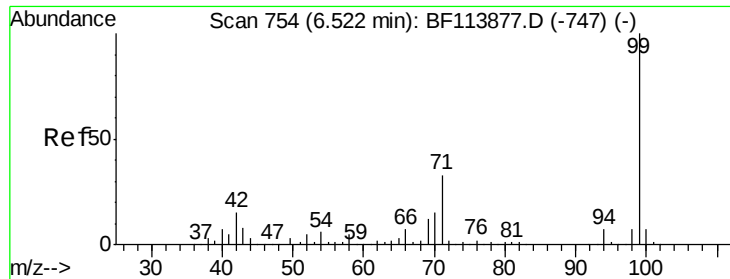
2-Fluorophenol
Concen: 99.633 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF113947.D
Acq: 24 Apr 2019 4:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.6	69.8
63	27.6	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: 114.455 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113947.D

Acq: 24 Apr 2019 4:06

Instrument :

BNA_F

ClientSampleId :

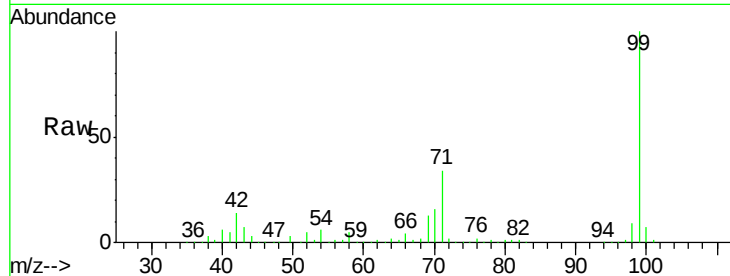
Tot Ion: 99 Resp: 1155654

Ion Ratio Lower Upper

99 100

42 14.5 12.5 18.7

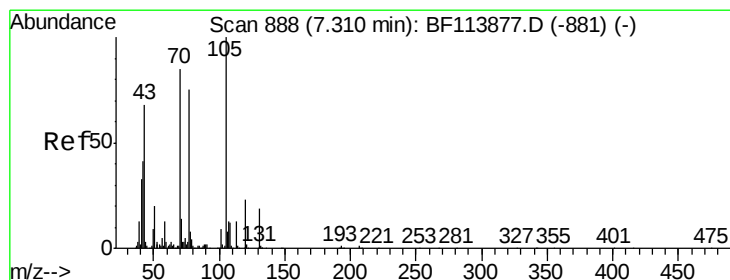
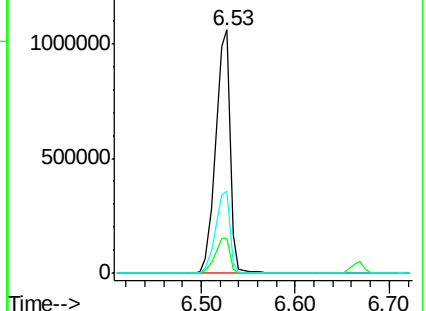
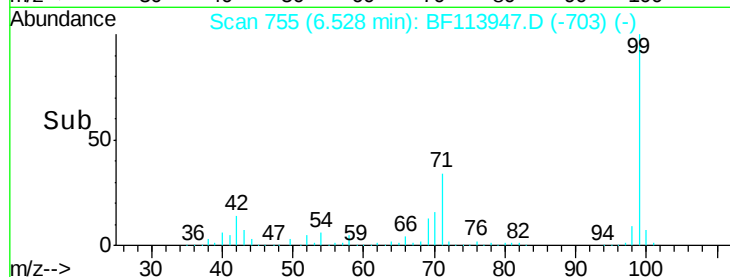
71 33.6 26.9 40.3



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: 14.972 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113947.D

Acq: 24 Apr 2019 4:06

Tgt Ion: 70 Resp: 97895

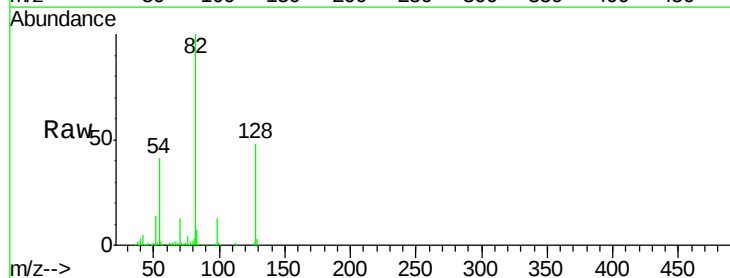
Ion Ratio Lower Upper

70 100

42 37.3 37.3 55.9

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

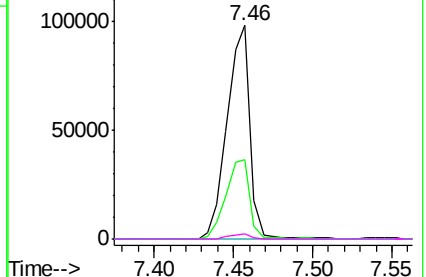
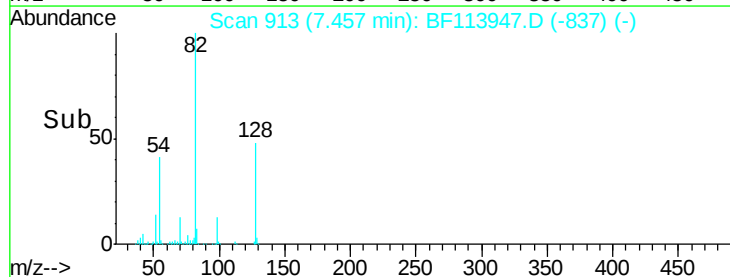


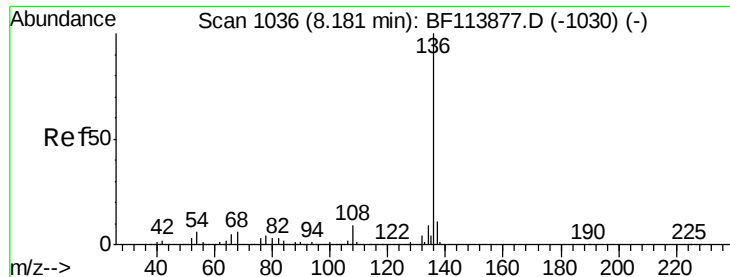
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113947.D

Acq: 24 Apr 2019 4:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 467808

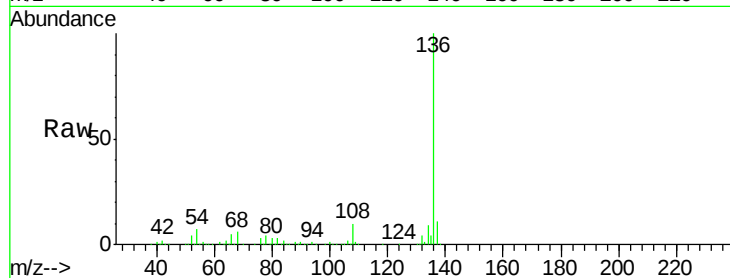
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 6.9 5.0 7.6

68 6.4 4.9 7.3

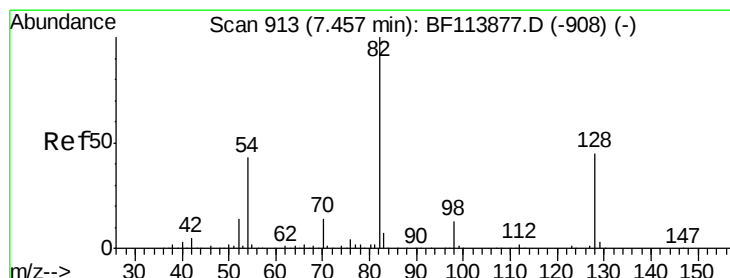
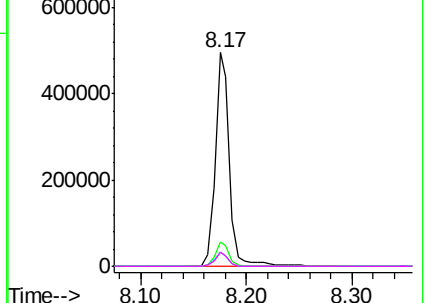
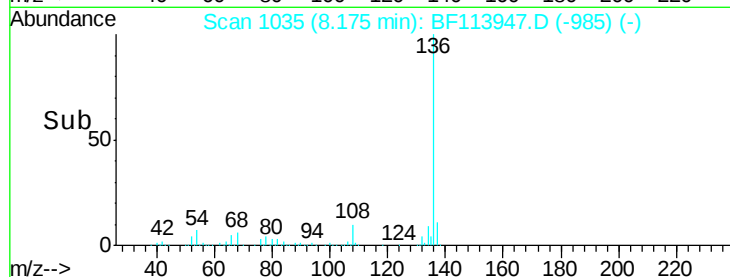


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.718 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF113947.D

Acq: 24 Apr 2019 4:06

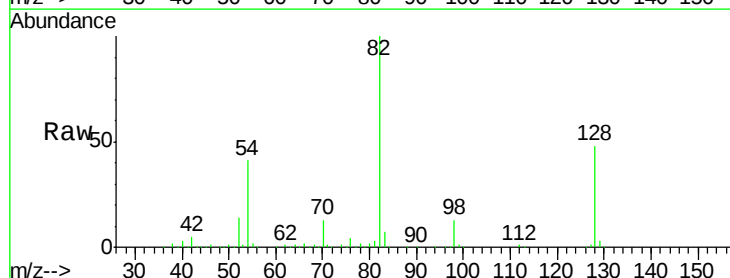
Tgt Ion: 82 Resp: 732790

Ion Ratio Lower Upper

82 100

128 48.3 36.8 55.2

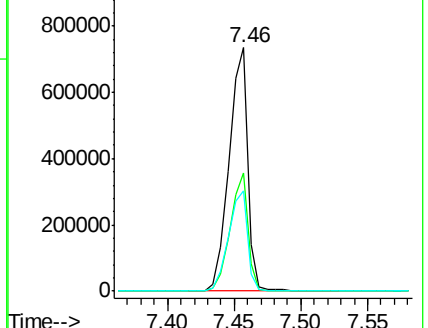
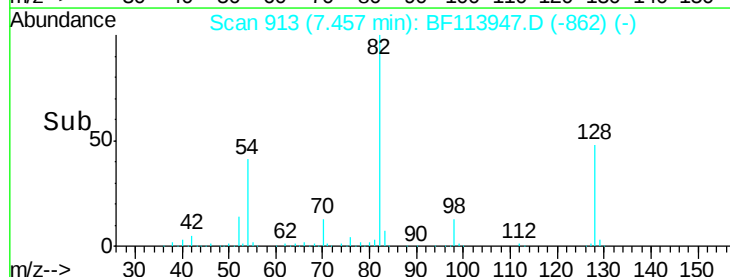
54 41.1 33.8 50.6



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: 47.267 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113947.D

Acq: 24 Apr 2019 4:06

Instrument :

BNA_F

ClientSampled :

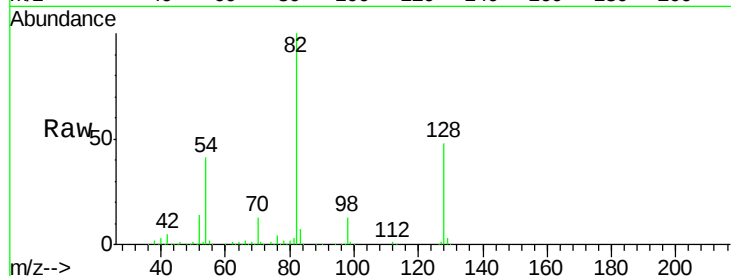
Tot Ion: 82 Resp: 732778

Ion Ratio Lower Upper

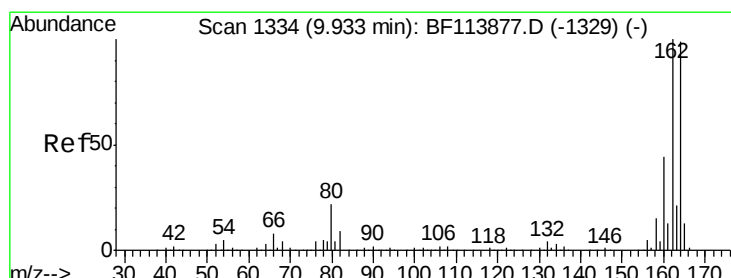
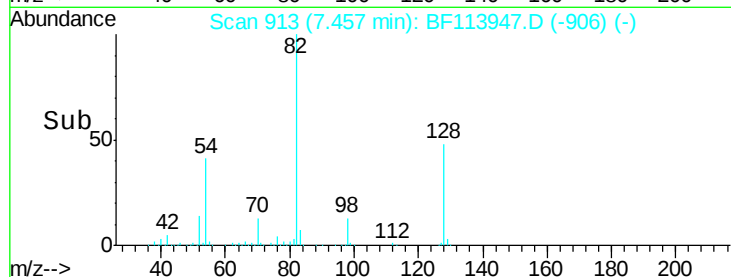
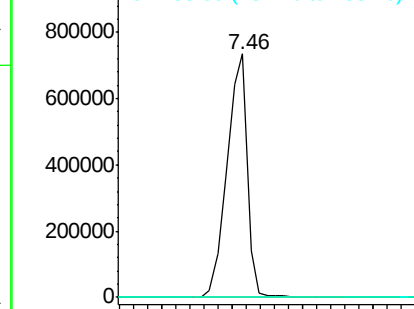
82 100

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: BF113947.D

Acq: 24 Apr 2019 4:06

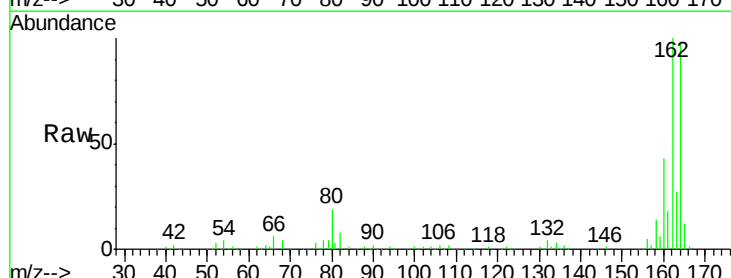
Tgt Ion:164 Resp: 211701

Ion Ratio Lower Upper

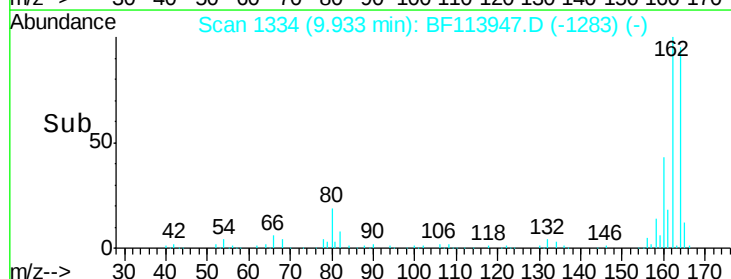
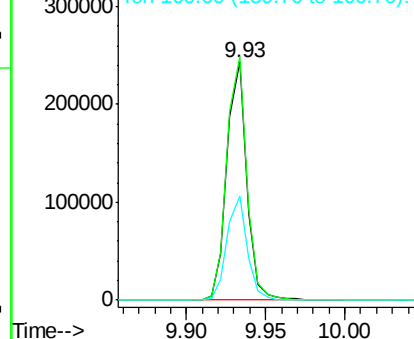
164 100

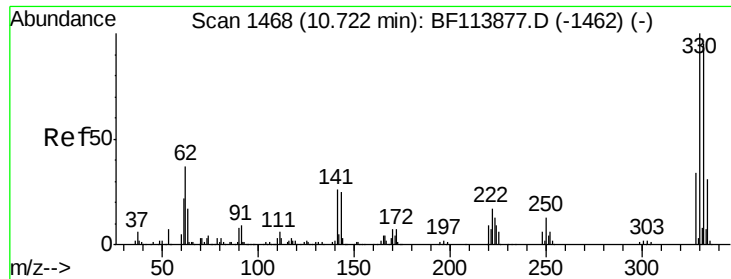
162 102.2 81.1 121.7

160 43.8 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

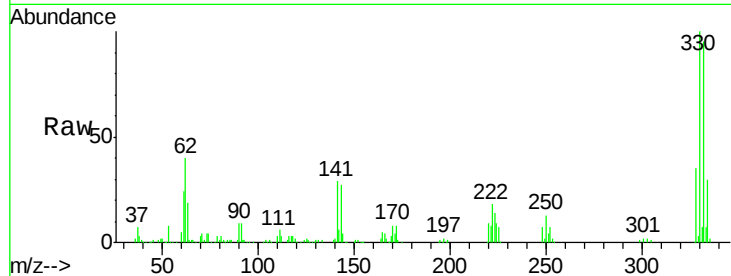




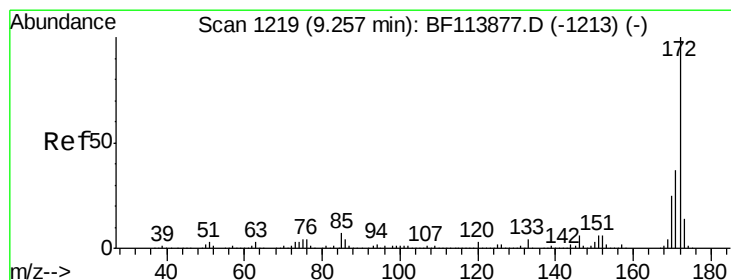
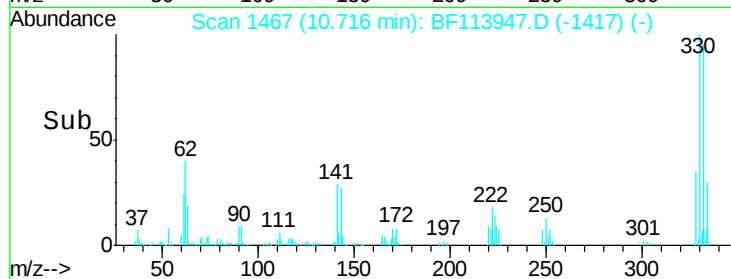
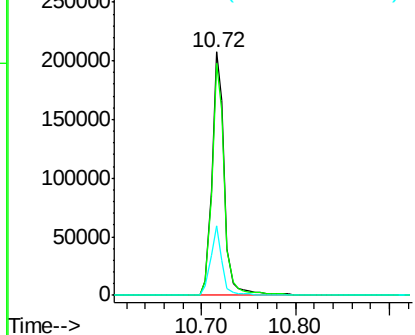
#42
 2,4,6-Tribromophenol
 Concen: 76.201 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113947.D
 Acq: 24 Apr 2019 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.5	116.3
141	26.5	22.2	33.2

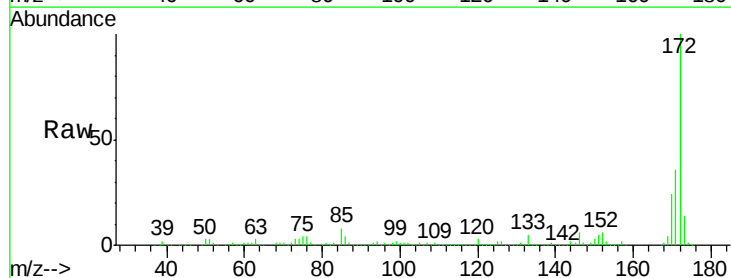


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

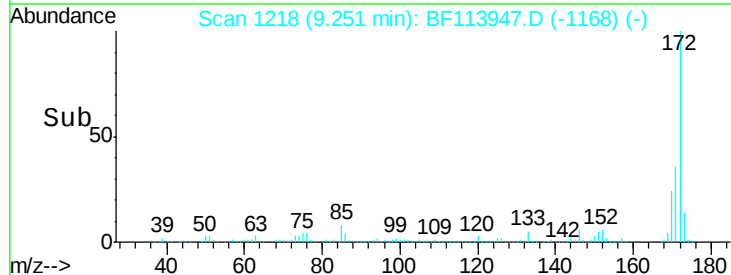
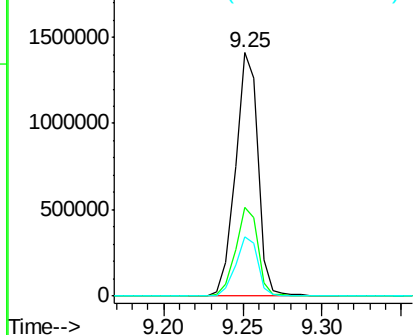


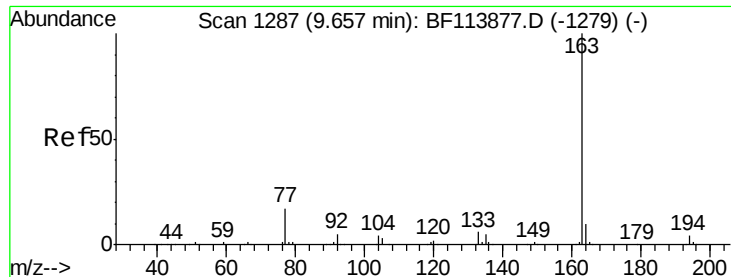
#45
 2-Fluorobiphenyl
 Concen: 102.867 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113947.D
 Acq: 24 Apr 2019 4:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.4	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

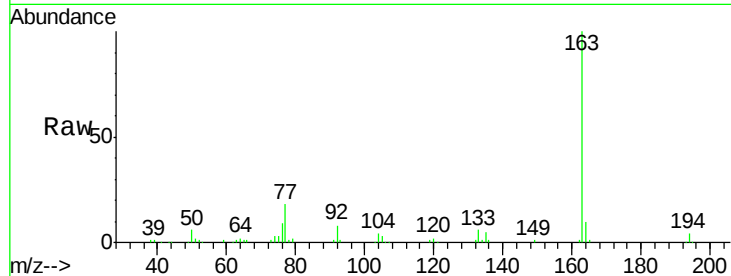




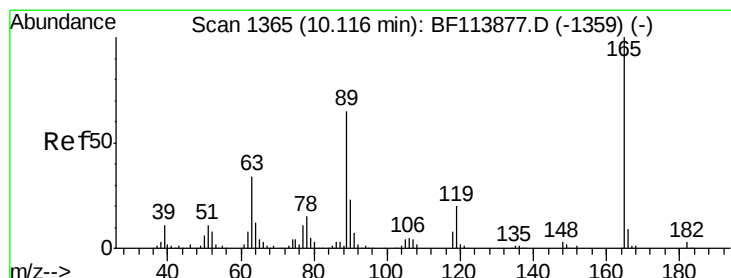
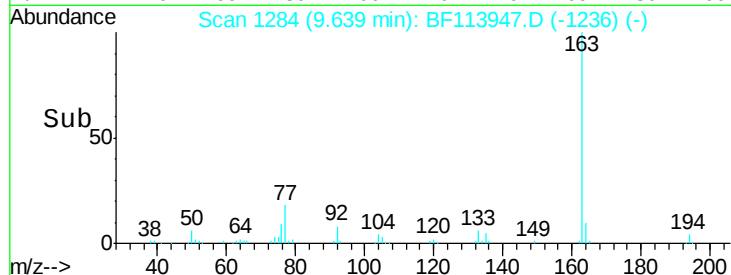
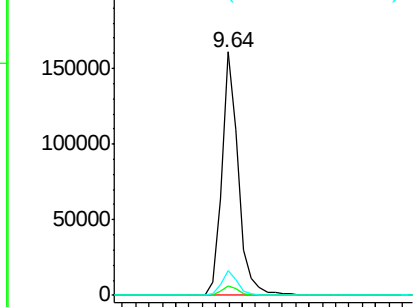
#50
Dimethylphthalate
Concen: 9.177 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113947.D
Acq: 24 Apr 2019 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 140504
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.9 8.5 12.7

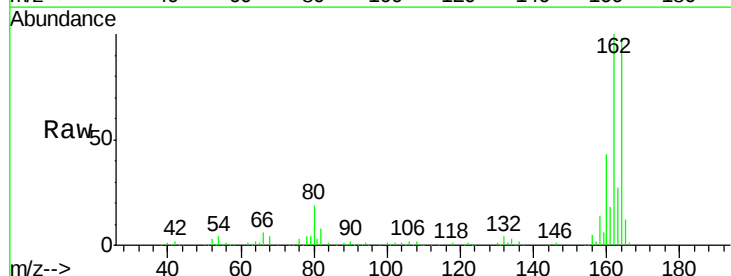


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

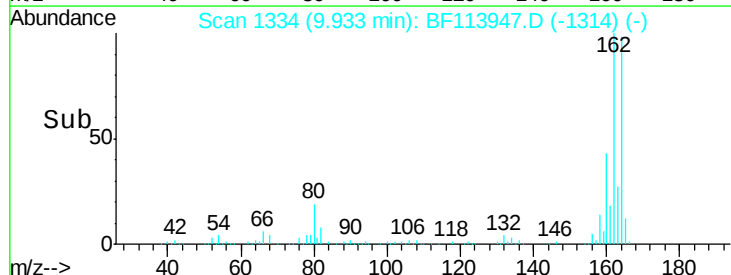
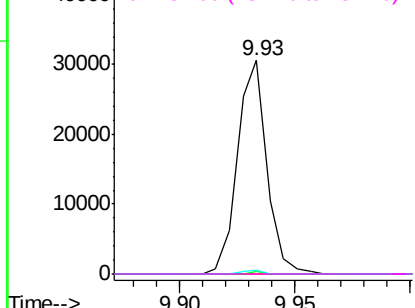


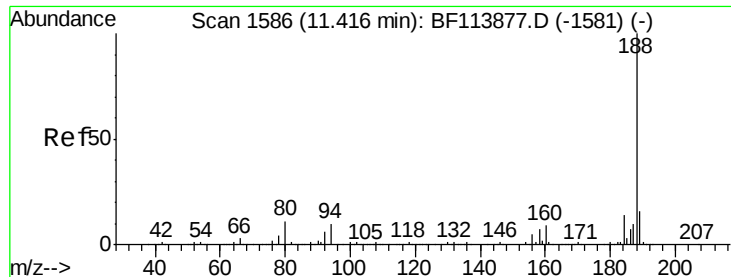
#57
2,4-Dinitrotoluene
Concen: 6.545 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF113947.D
Acq: 24 Apr 2019 4:06

Tgt Ion:165 Resp: 27135
Ion Ratio Lower Upper
165 100
63 1.1 27.4 41.0#
89 1.8 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

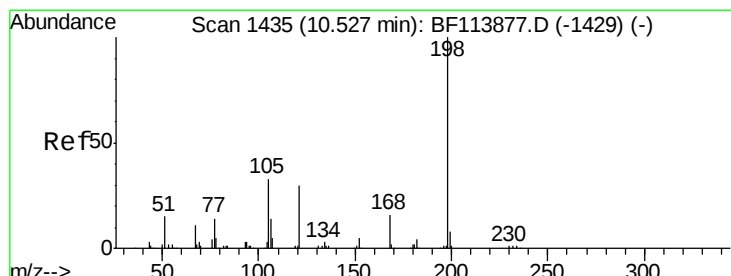
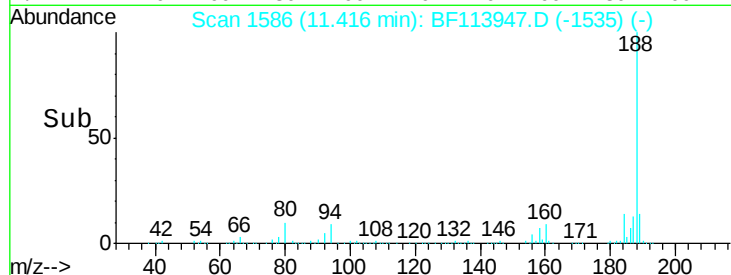
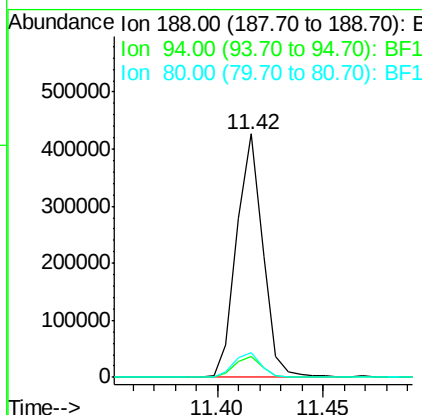
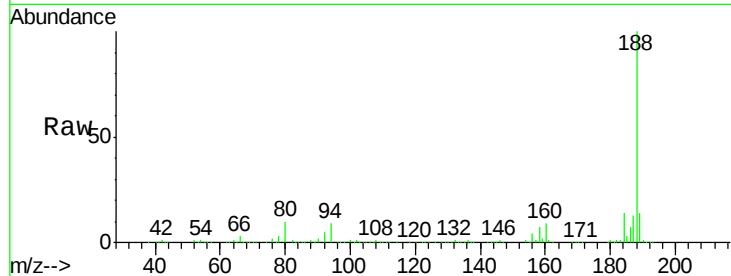




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113947.D
 Acq: 24 Apr 2019 4:06

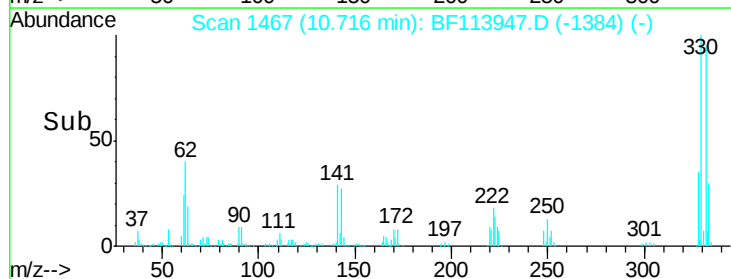
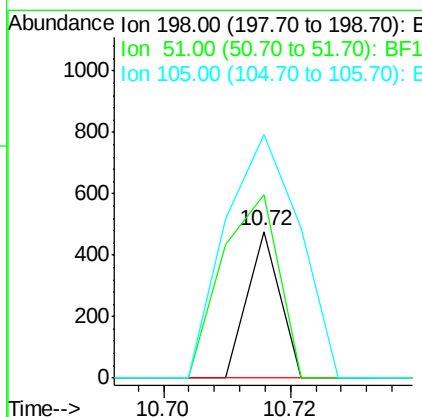
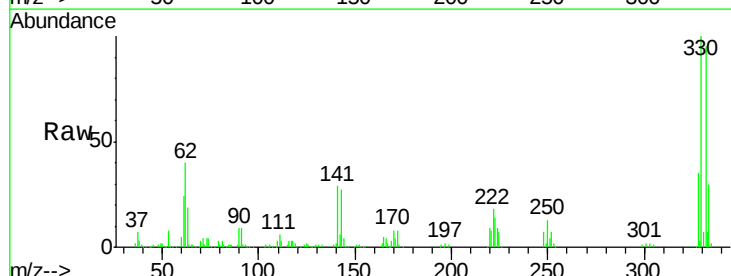
Instrument :
 BNA_F
 ClientSampled :

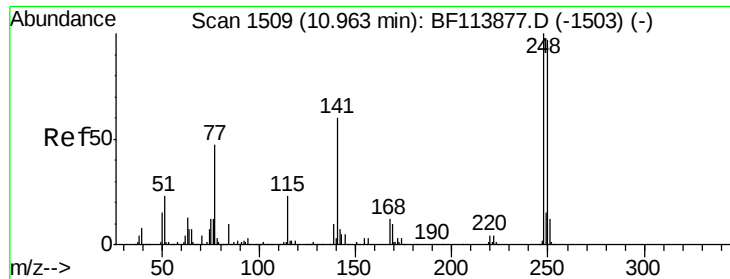
Tot Ion:188 Resp: 364819
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.2 12.4
 80 10.1 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.394 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113947.D
 Acq: 24 Apr 2019 4:06

Tgt Ion:198 Resp: 169
 Ion Ratio Lower Upper
 198 100
 51 21.9 11.1 51.1
 105 29.1 20.7 60.7

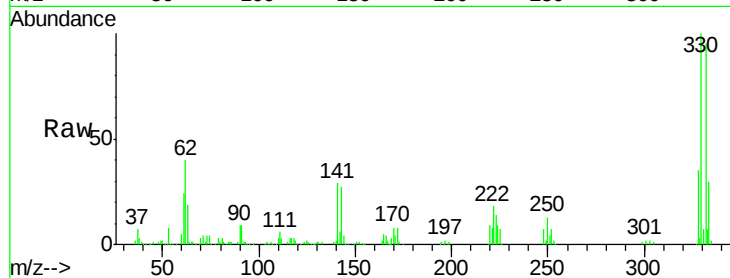




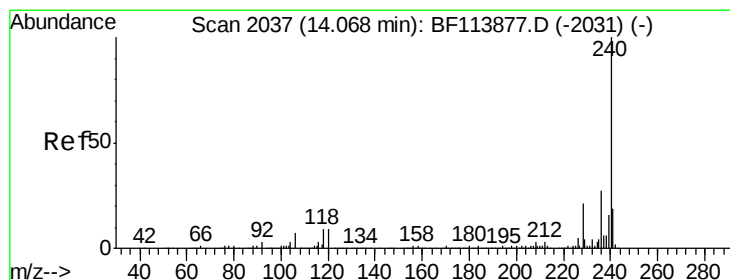
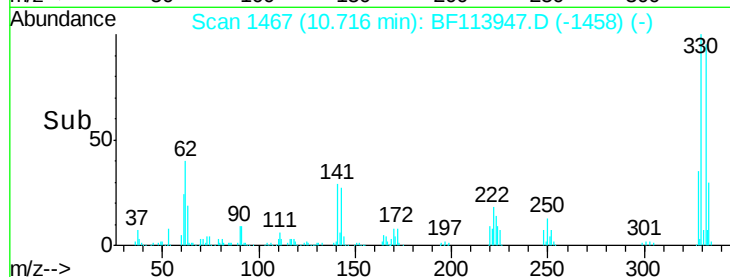
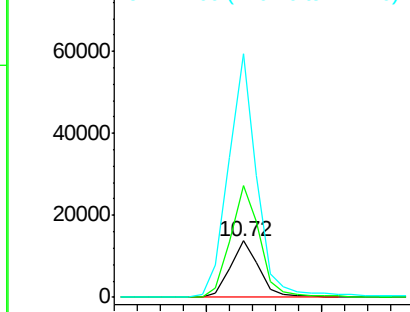
#67
 4-Bromophenyl-phenylether
 Concen: 2.705 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113947.D
 Acq: 24 Apr 2019 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.2	75.8	113.6#
141	430.3	50.2	75.4#

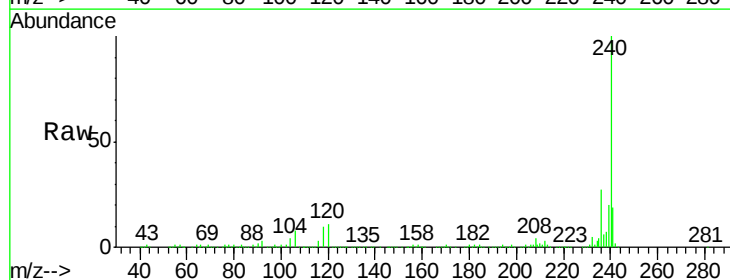


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

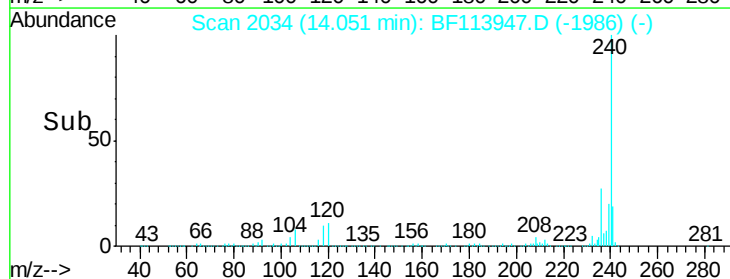
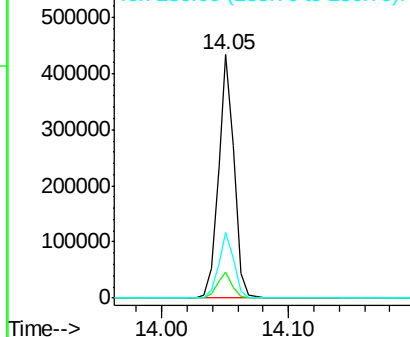


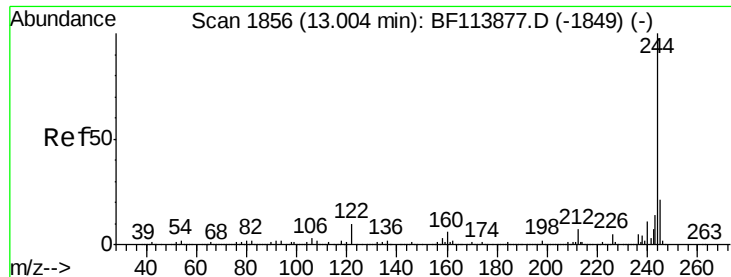
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113947.D
 Acq: 24 Apr 2019 4:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.3	13.9
236	26.9	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: 80.964 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113947.D

Acq: 24 Apr 2019 4:06

Instrument :

BNA_F

ClientSampleId :

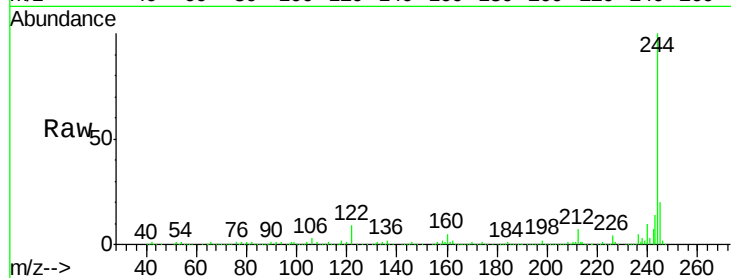
Tot Ion:244 Resp: 1470823

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	8.5	7.6	11.4

244 100

212 6.5 5.4 8.2

122 8.5 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

13.00

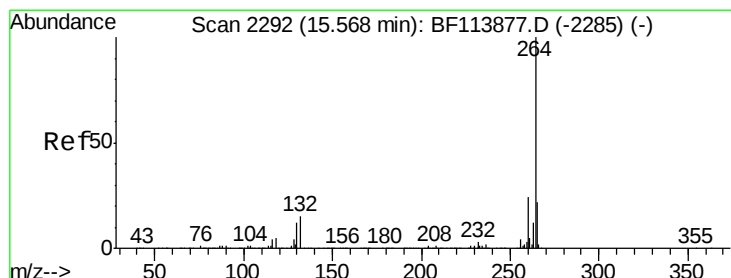
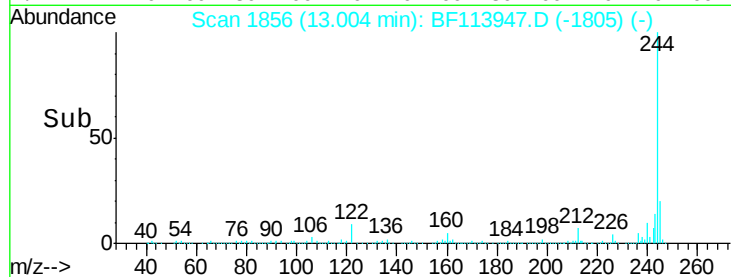
1500000

1000000

500000

0

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113947.D

Acq: 24 Apr 2019 4:06

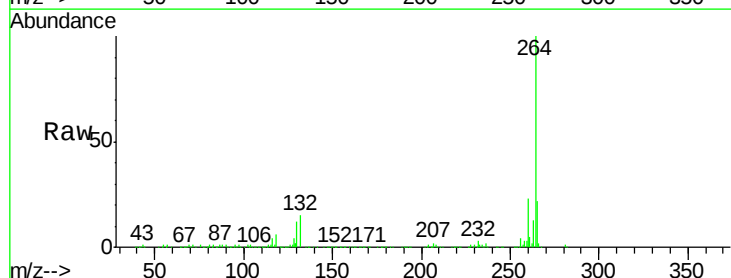
Tgt Ion:264 Resp: 319060

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.3	17.3	25.9

264 100

260 23.5 18.9 28.3

265 22.3 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

15.53

300000

200000

100000

0

Time-->

