

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122118\
 Data File : BF111686.D
 Acq On : 21 Dec 2018 14:40
 Operator : JU/SJ
 Sample : J6447-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS024-0006-01

Quant Time: Dec 21 22:33:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	196709	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	729497	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	336837	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	526663	20.00	ng	0.00
76) Chrysene-d12	14.05	240	428113	20.00	ng	0.00
87) Perylene-d12	15.53	264	325583	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1176711	101.96	ng	0.00
7) Phenol-d6	6.53	99	1501445	102.23	ng	0.00
23) Nitrobenzene-d5	7.45	82	947052	75.57	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	316927	79.63	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1369511	59.26	ng	0.00
79) Terphenyl-d14	13.00	244	946777	41.94	ng	0.00

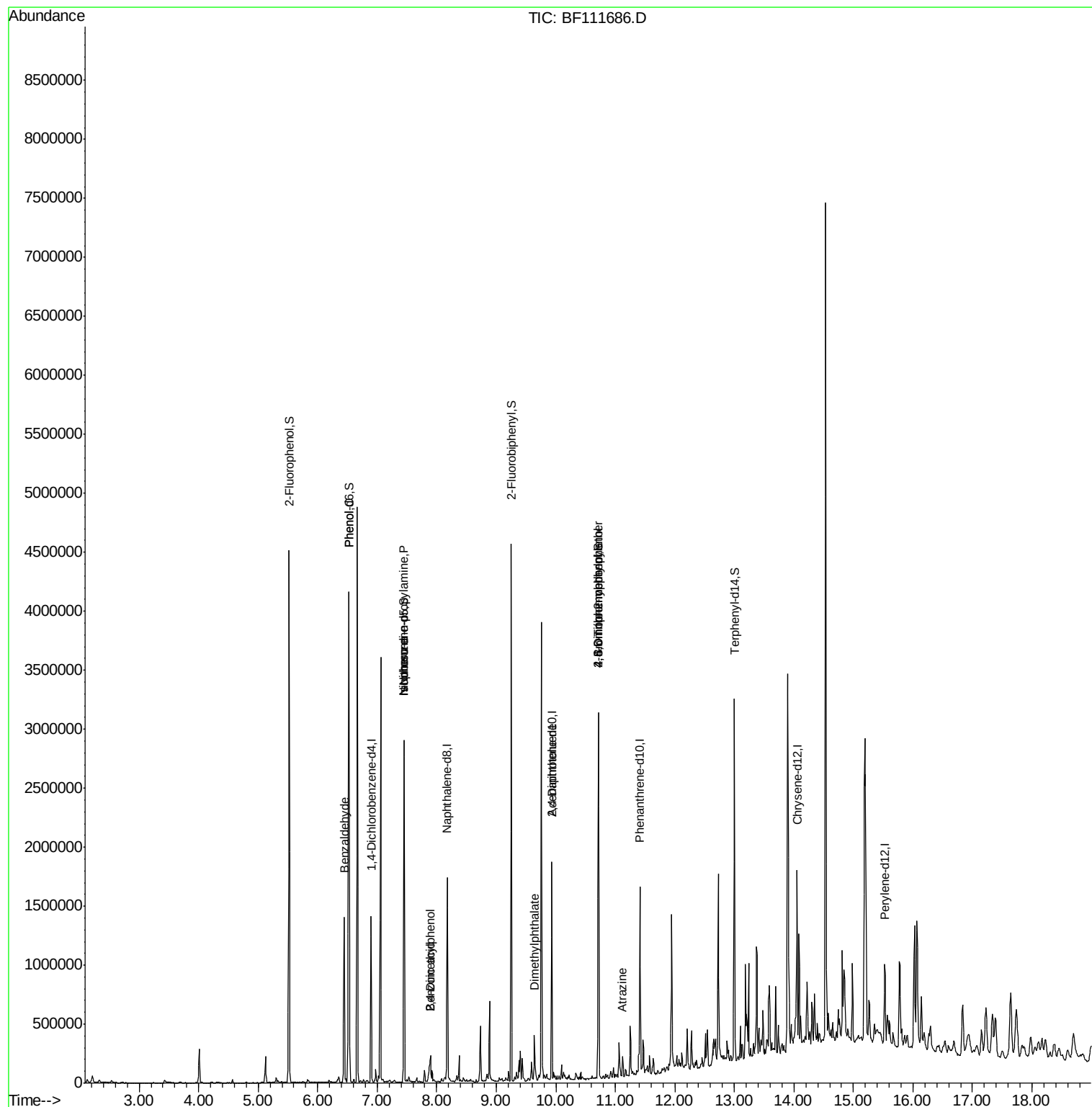
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	268769	26.608	ng	98
10) Phenol	6.53	94	99019	5.975	ng	94
19) n-Nitroso-di-n-propylamine	7.45	70	130871	13.417	ng	# 78
25) Isophorone	7.45	82	947042	42.566	ng	# 64
27) 2,4-Dimethylphenol	7.90	122	78720	7.496	ng	# 6
32) Benzoic acid	7.90	122	78720	11.337	ng	97
50) Dimethylphthalate	9.64	163	138895	5.639	ng	99
57) 2,4-Dinitrotoluene	9.93	165	44784	7.587	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	675	6.960	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	18998	2.908	ng	# 1
69) Atrazine	11.13	200	18145	2.954	ng	# 38

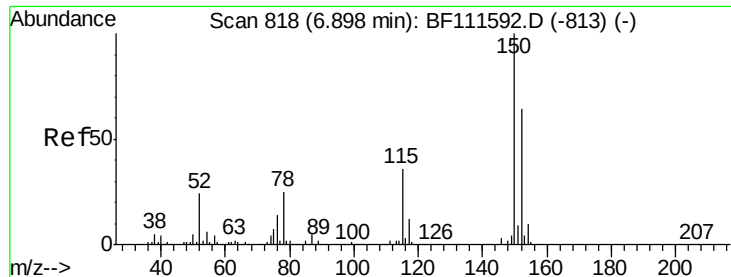
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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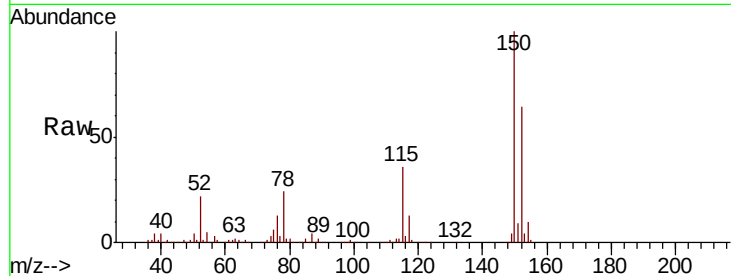


#1

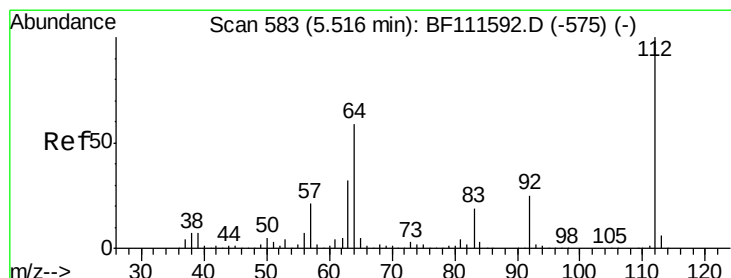
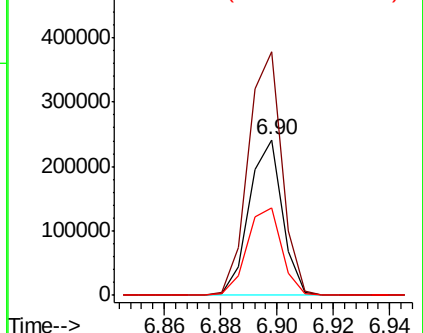
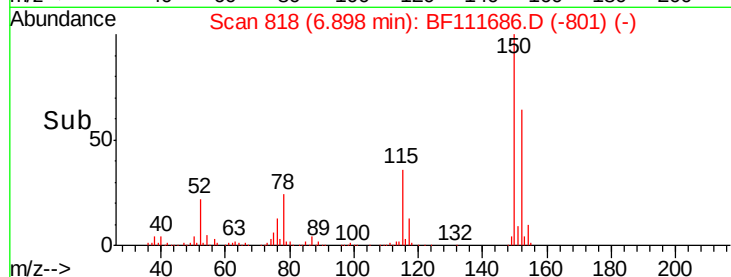
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Instrument :
BNA_F
ClientSampleId :
P001-SS024-0006-01

Tgt Ion:152 Resp: 196709
Ion Ratio Lower Upper
152 100
150 156.3 126.6 189.8
115 56.3 50.7 76.1



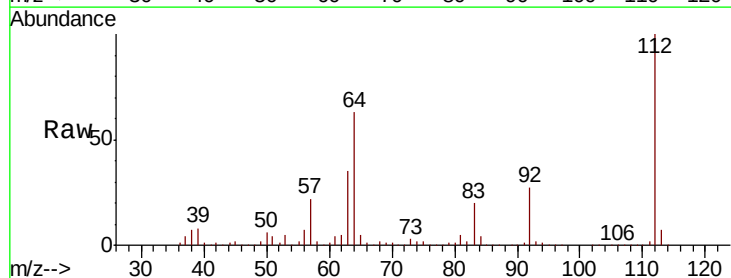
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



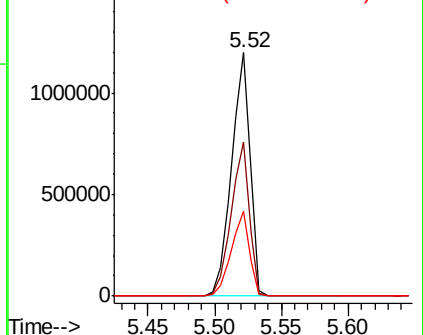
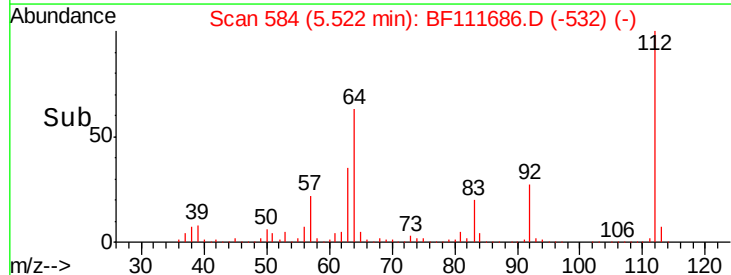
#5

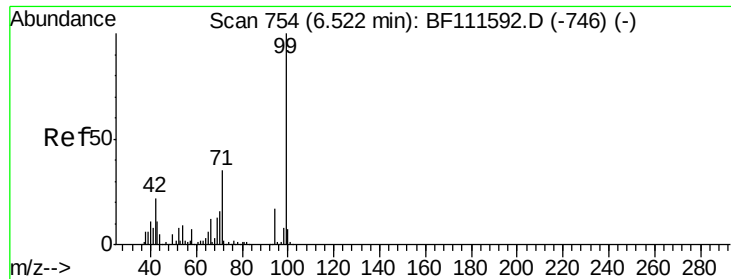
2-Fluorophenol
Concen: 101.965 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Tgt Ion:112 Resp: 1176711
Ion Ratio Lower Upper
112 100
64 63.4 51.8 77.6
63 34.6 26.8 40.2



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: 102.231 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

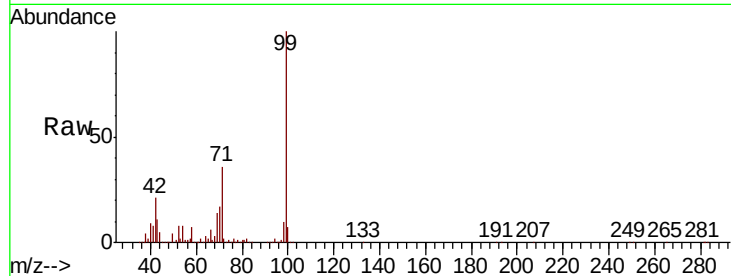
Tgt Ion: 99 Resp: 1501445

Ion Ratio Lower Upper

99 100

42 21.5 17.4 26.0

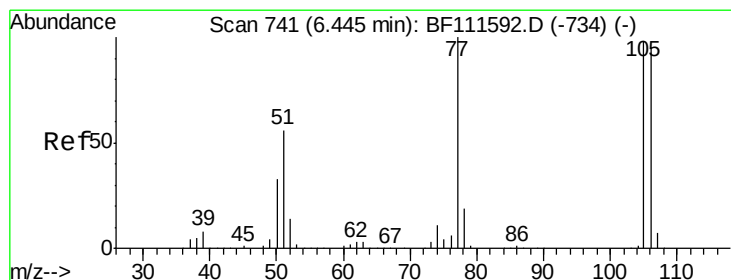
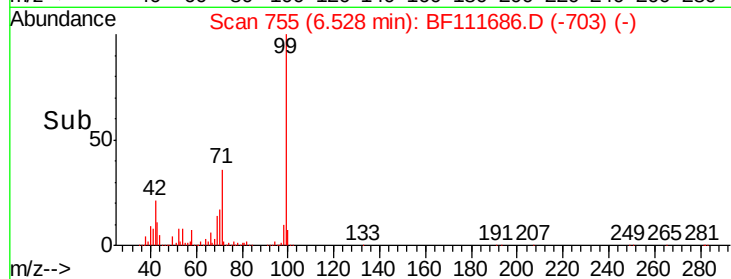
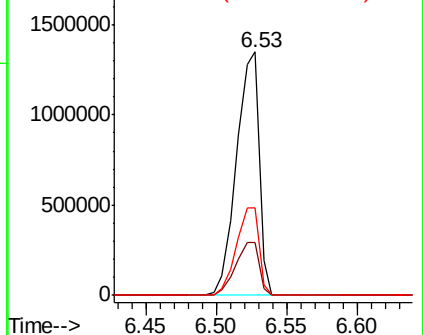
71 35.9 26.1 39.1



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



#9

Benzaldehyde

Concen: 26.608 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

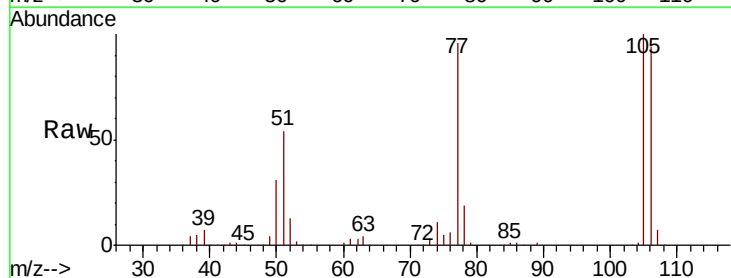
Tgt Ion: 77 Resp: 268769

Ion Ratio Lower Upper

77 100

105 104.3 81.4 121.4

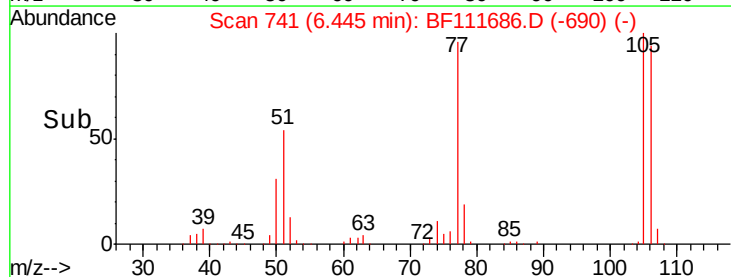
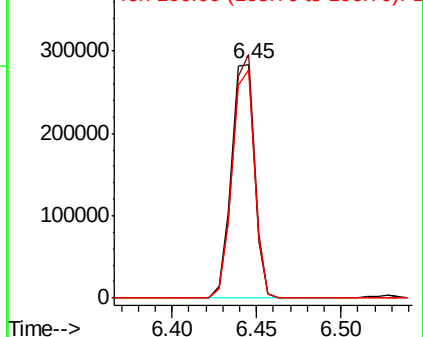
106 97.6 77.9 117.9

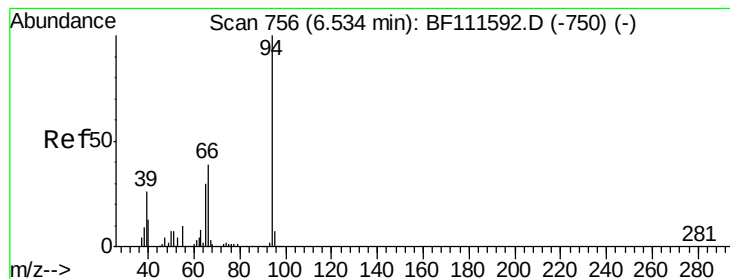


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.975 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

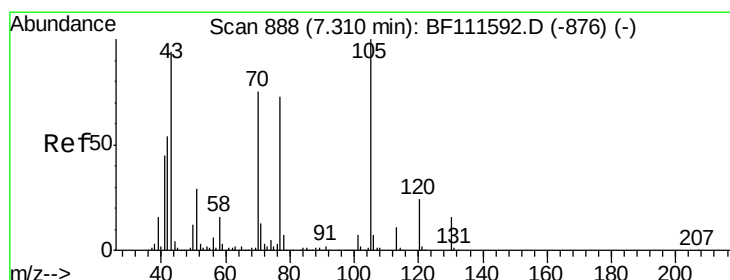
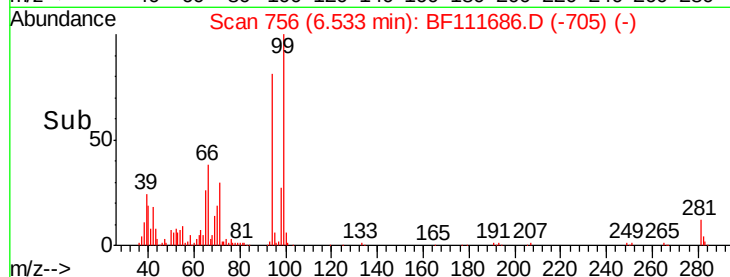
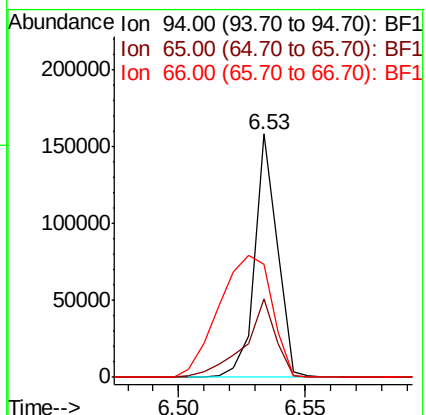
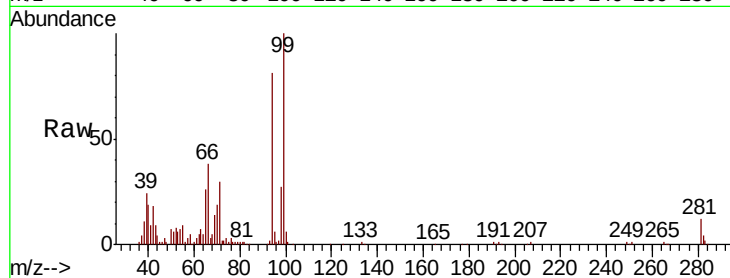
Tgt Ion: 94 Resp: 99019

Ion Ratio Lower Upper

94 100

65 32.4 11.7 51.7

66 46.5 21.0 61.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.417 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Tgt Ion: 70 Resp: 130871

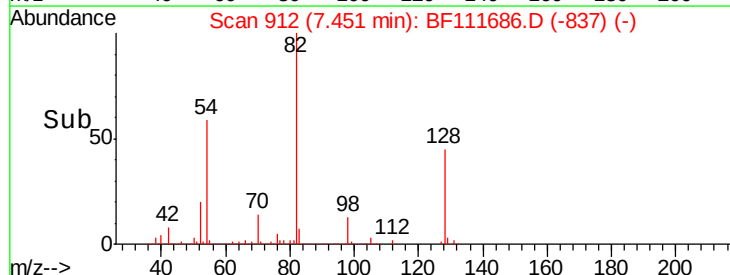
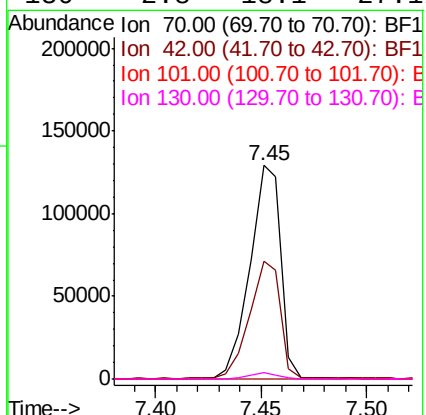
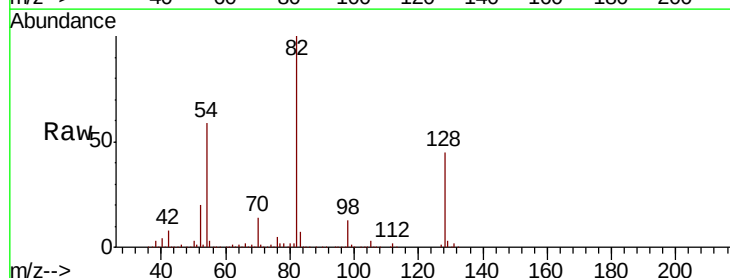
Ion Ratio Lower Upper

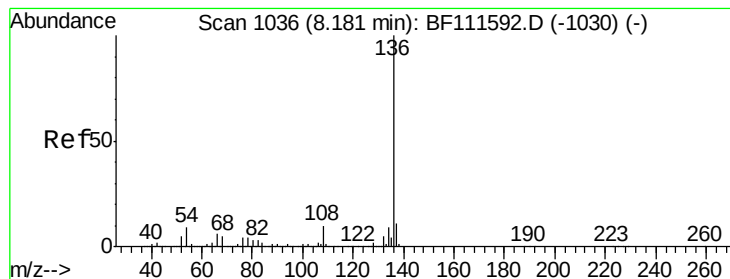
70 100

42 55.4 53.2 79.8

101 0.0 8.2 12.4#

130 2.8 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

Tgt Ion: 136 Resp: 729497

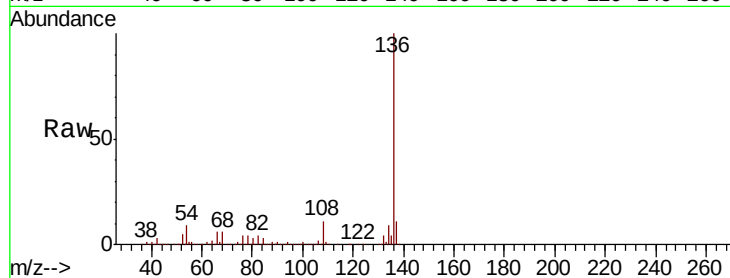
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.2 7.7 11.5

68 5.7 4.9 7.3

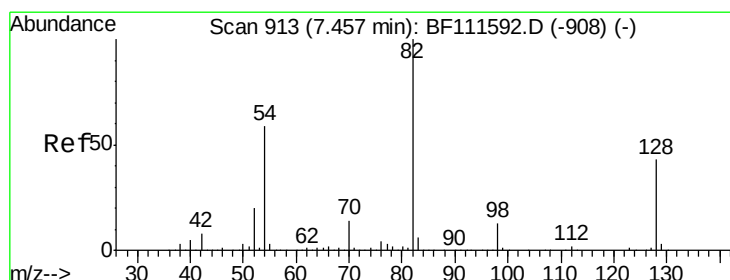
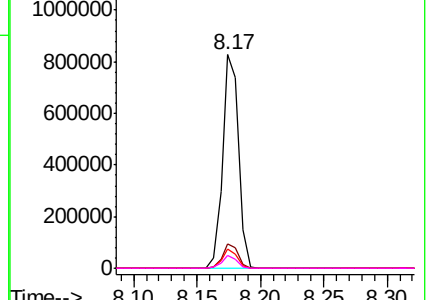
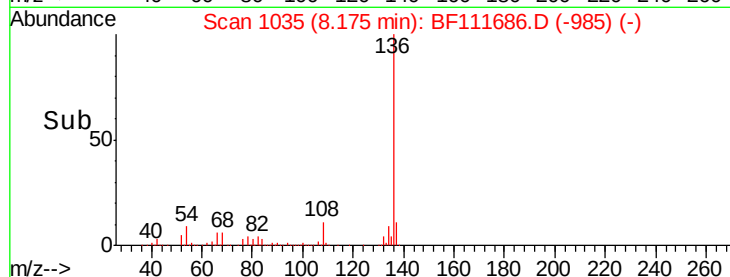


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.567 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

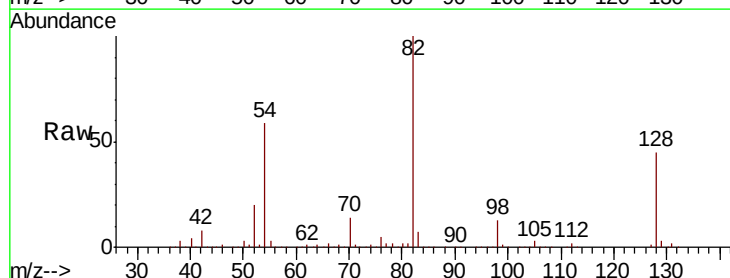
Tgt Ion: 82 Resp: 947052

Ion Ratio Lower Upper

82 100

128 44.6 37.4 56.2

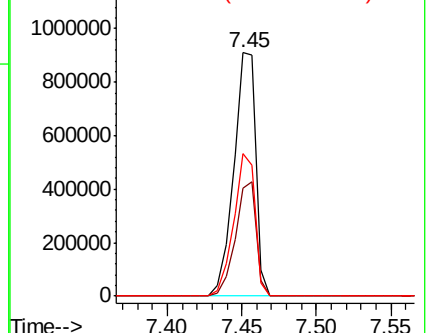
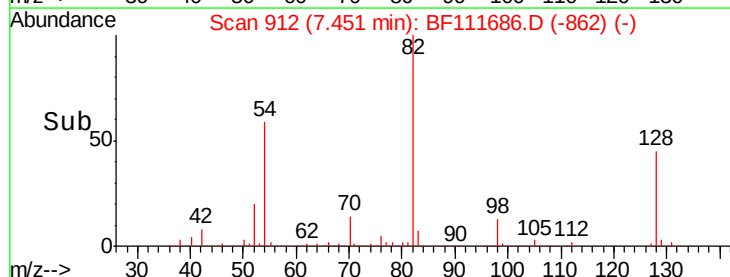
54 58.7 47.6 71.4

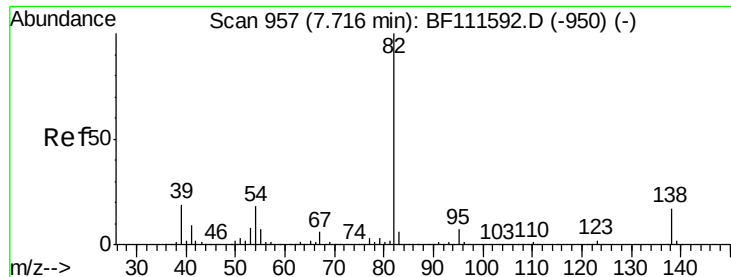


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.566 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

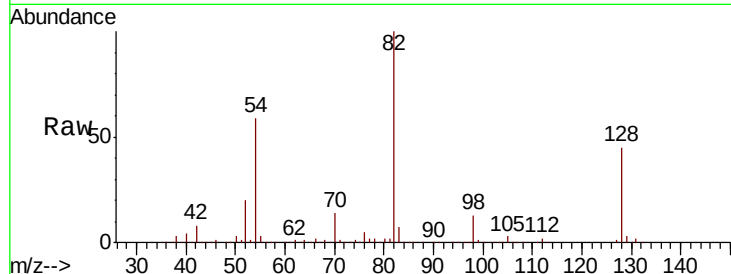
Tgt Ion: 82 Resp: 947042

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

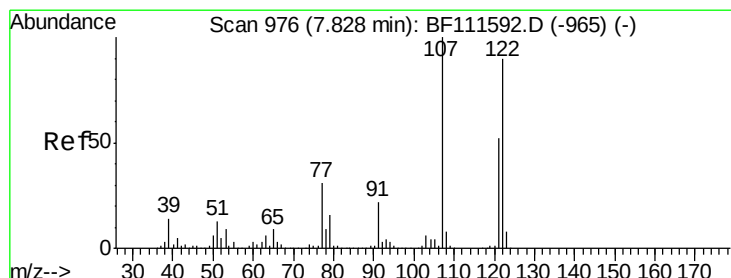
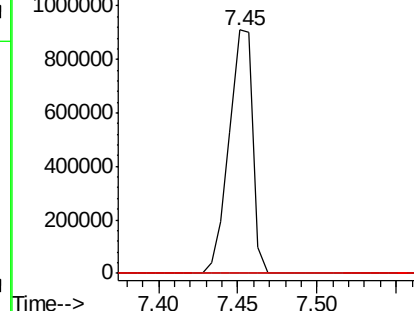
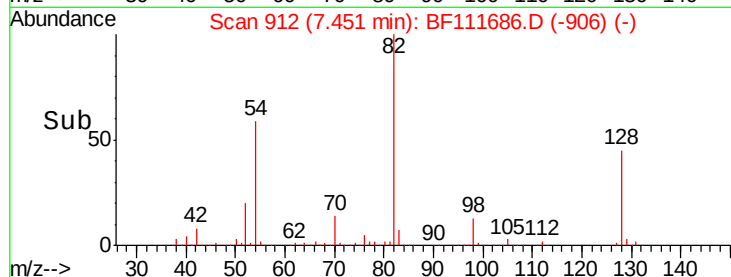
138 0.0 15.1 22.7#



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



#27

2,4-Dimethylphenol

Concen: 7.496 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.07 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

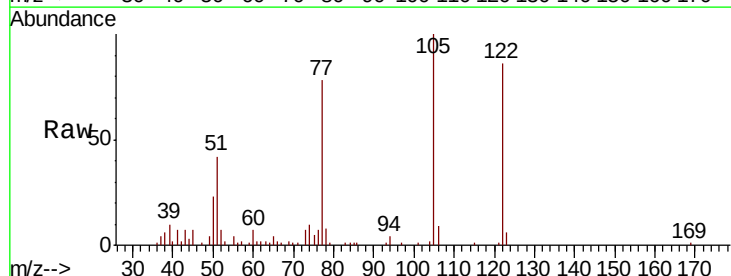
Tgt Ion: 122 Resp: 78720

Ion Ratio Lower Upper

122 100

107 0.0 85.5 128.3#

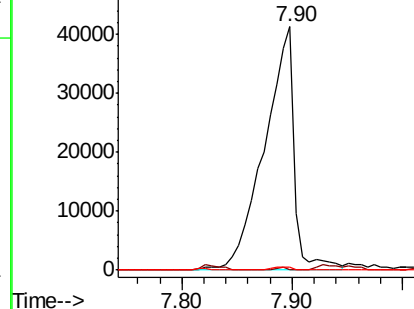
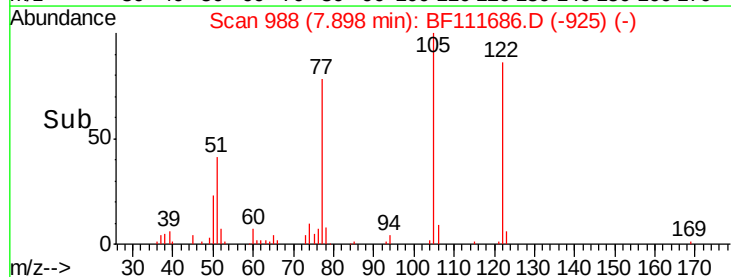
121 1.4 46.6 70.0#

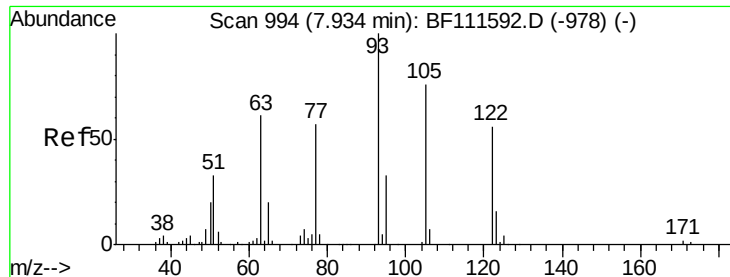


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

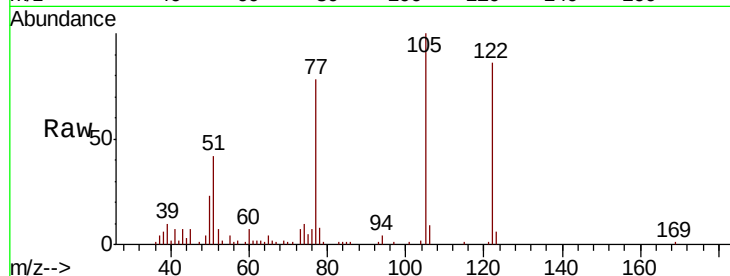




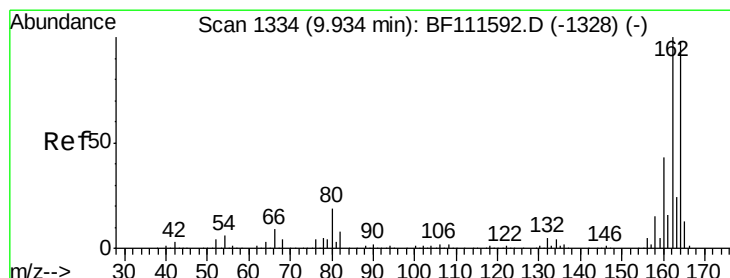
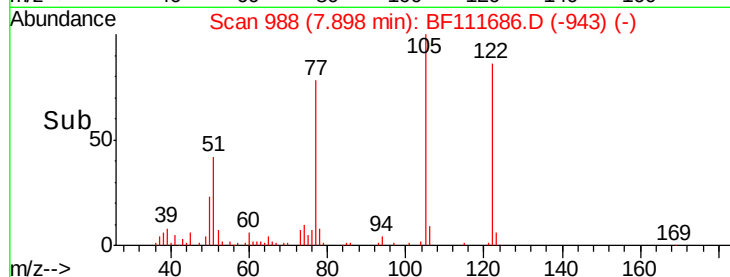
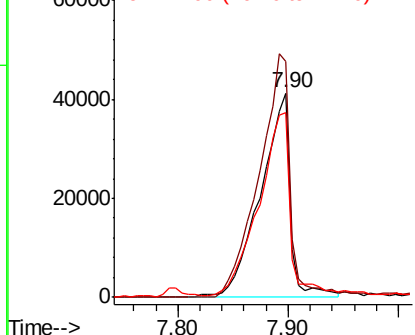
#32
Benzoic acid
Concen: 11.337 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.04 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Instrument :
BNA_F
ClientSampleId :
P001-SS024-0006-01

Tgt Ion:122 Resp: 78720
Ion Ratio Lower Upper
122 100
105 115.7 97.0 137.0
77 90.5 65.7 105.7

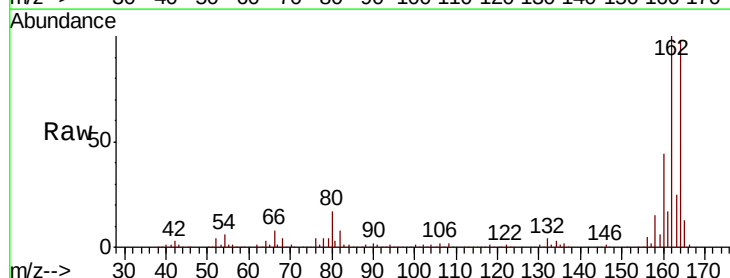


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

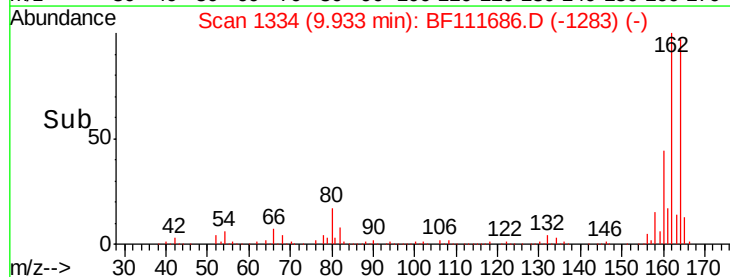
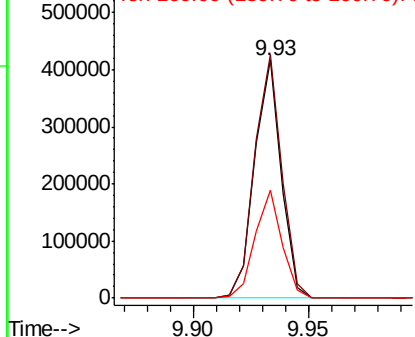


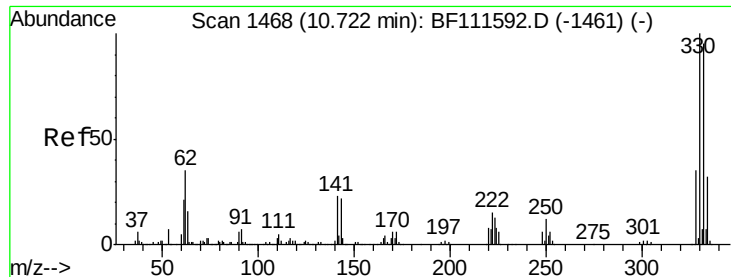
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Tgt Ion:164 Resp: 336837
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.0
160 45.1 35.7 53.5



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

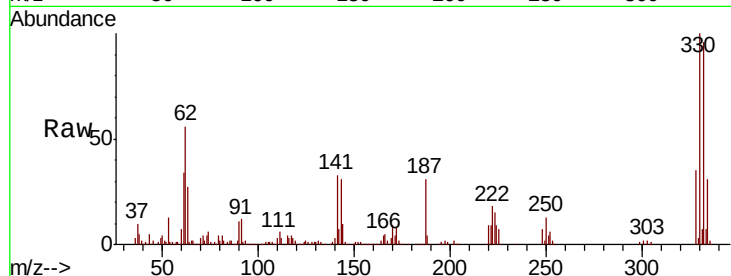




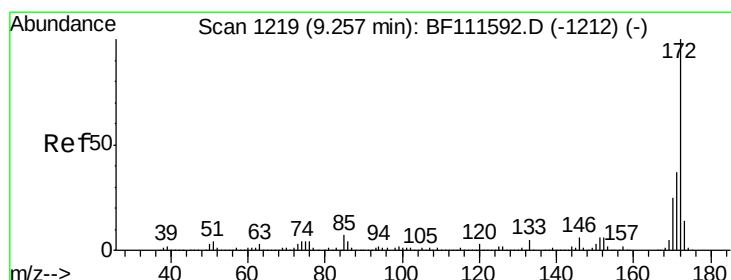
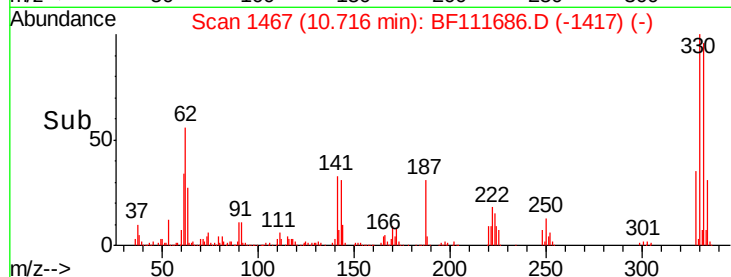
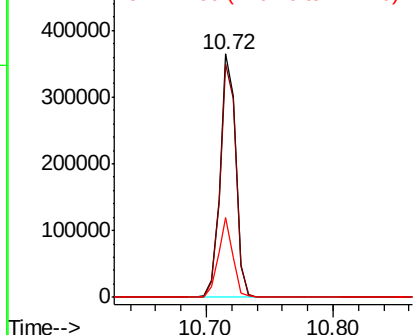
#42
 2,4,6-Tribromophenol
 Concen: 79.630 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111686.D
 Acq: 21 Dec 2018 14:40

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS024-0006-01

Tgt Ion:330 Resp: 316927
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.0 114.0
 141 30.5 31.0 46.6#

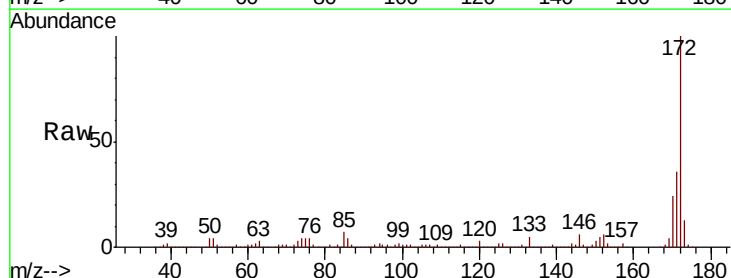


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

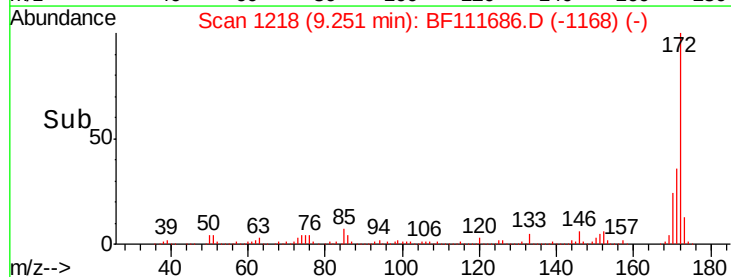
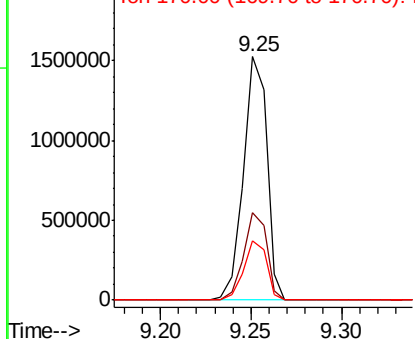


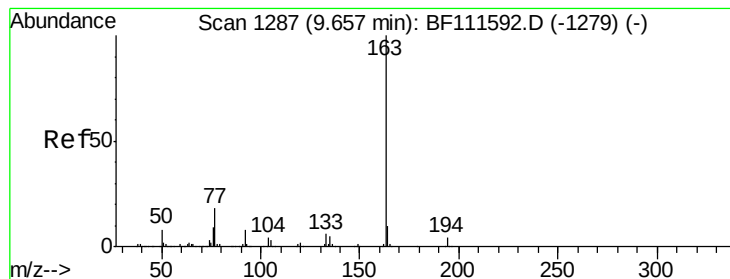
#45
 2-Fluorobiphenyl
 Concen: 59.262 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111686.D
 Acq: 21 Dec 2018 14:40

Tgt Ion:172 Resp: 1369511
 Ion Ratio Lower Upper
 172 100
 171 35.9 33.0 49.4
 170 24.2 22.3 33.5



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: 5.639 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

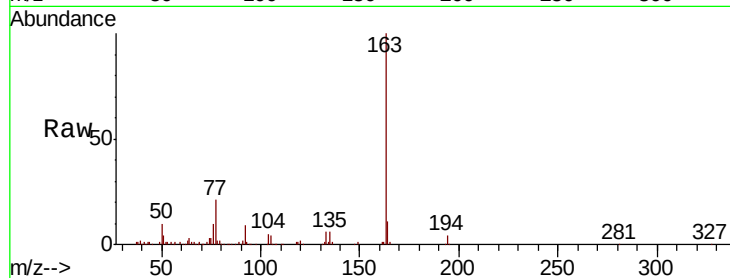
Tgt Ion:163 Resp: 138895

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

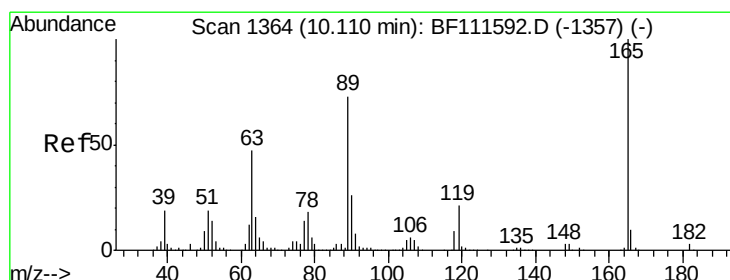
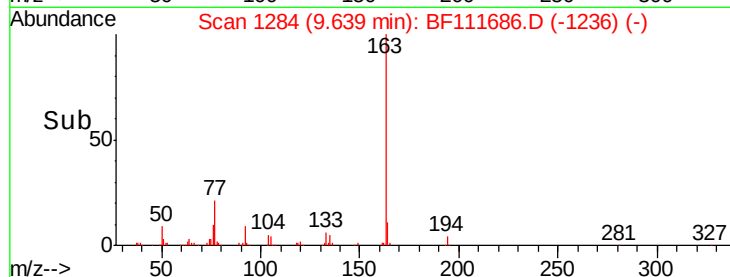
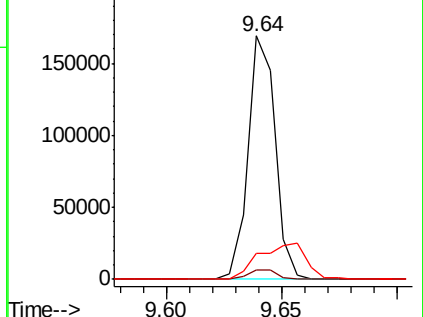
164 10.5 8.9 13.3



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: 7.587 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Tgt Ion:165 Resp: 44784

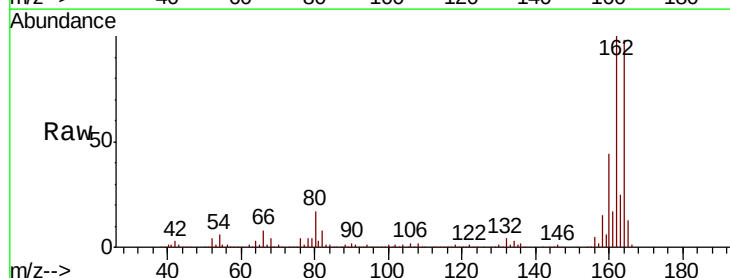
Ion Ratio Lower Upper

165 100

63 1.4 34.6 52.0#

89 1.6 56.2 84.4#

182 0.0 1.8 2.6#

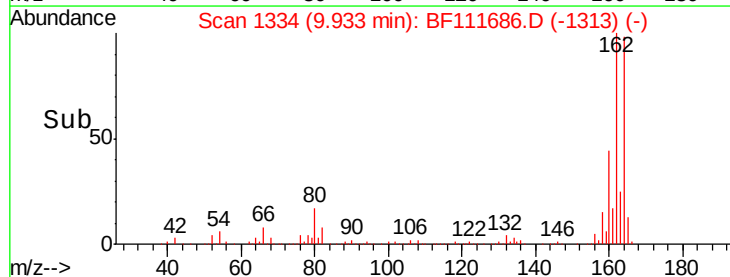
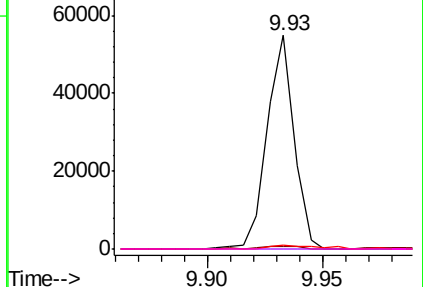


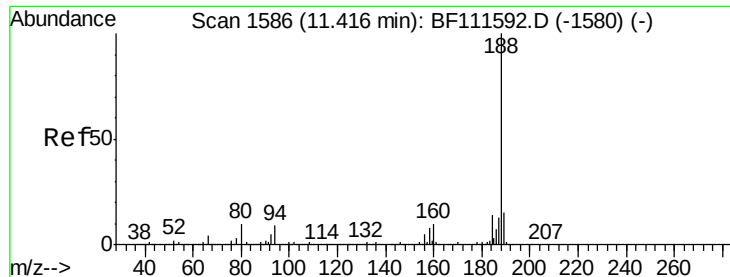
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

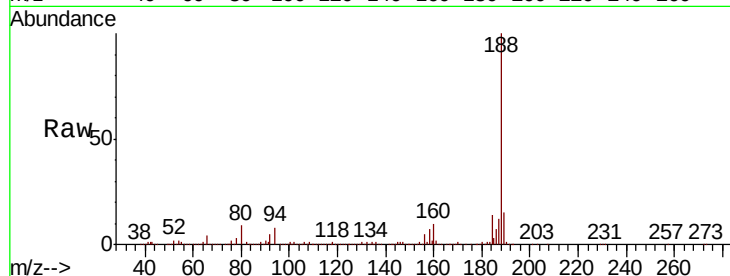
Tgt Ion:188 Resp: 526663

Ion Ratio Lower Upper

188 100

94 8.3 9.6 14.4#

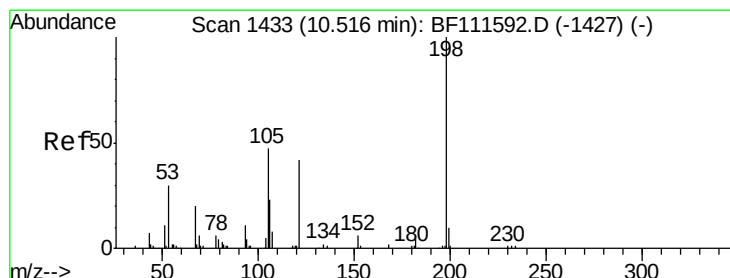
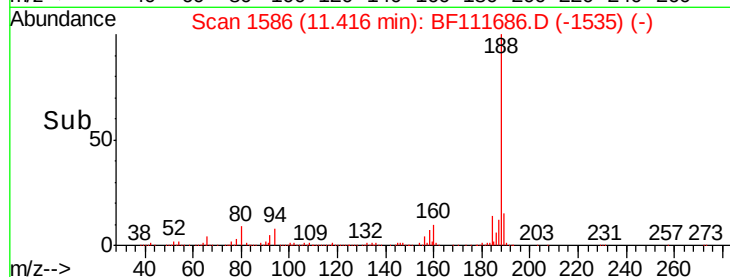
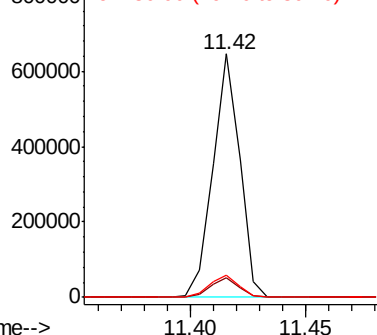
80 9.3 9.8 14.6#



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: 6.960 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

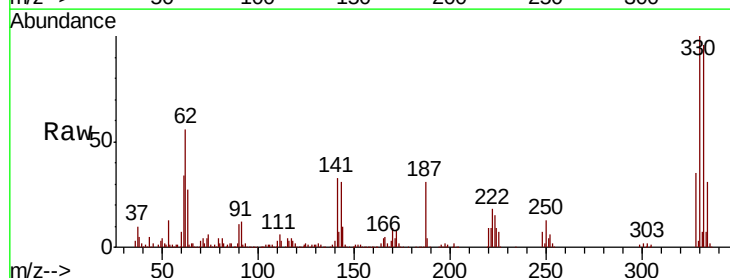
Tgt Ion:198 Resp: 675

Ion Ratio Lower Upper

198 100

51 796.2 48.0 88.0#

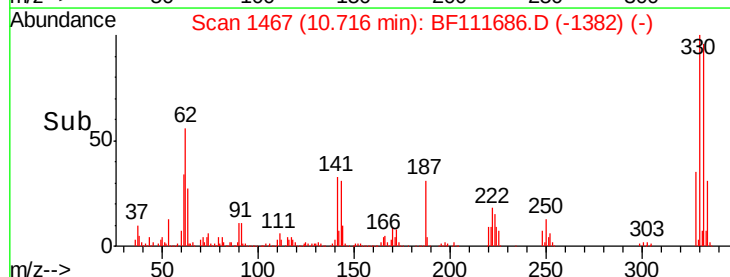
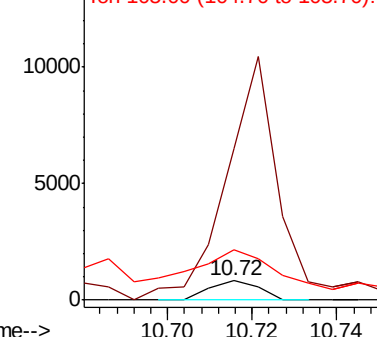
105 262.3 34.0 74.0#

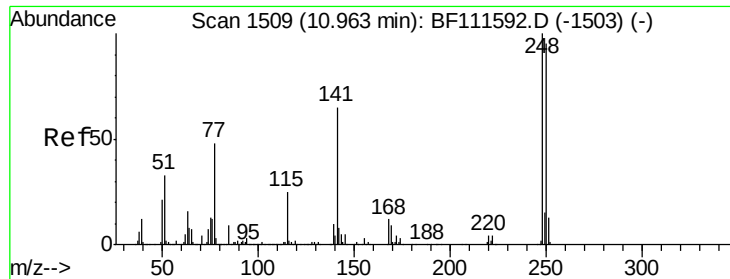


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

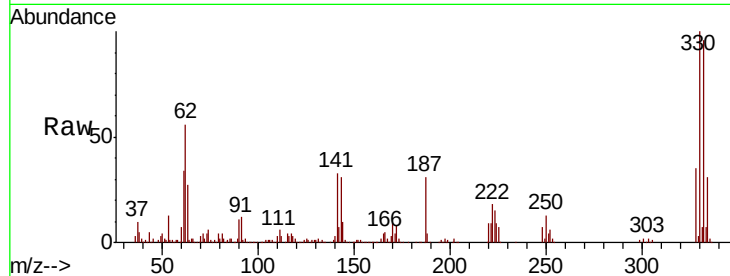




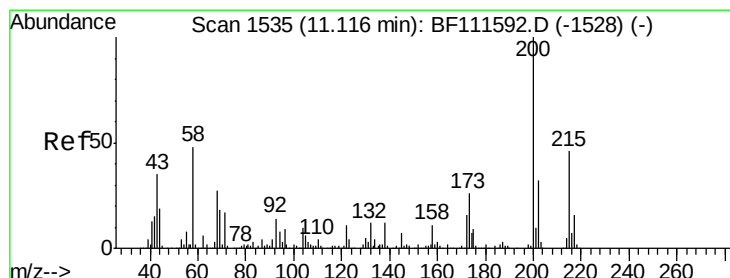
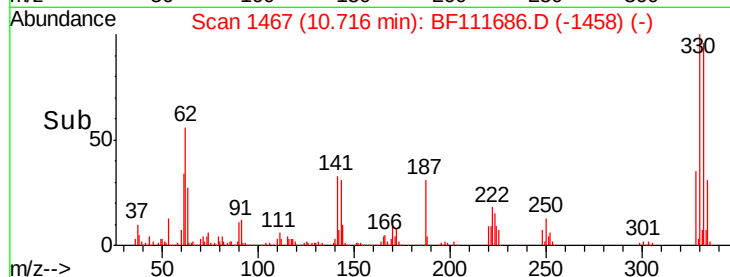
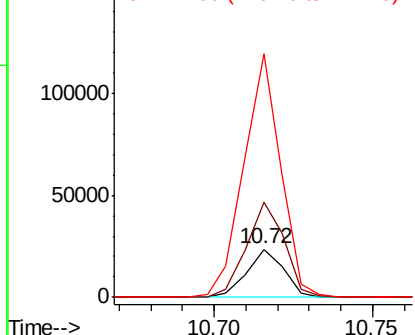
#67
4-Bromophenyl-phenylether
Concen: 2.908 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Instrument :
BNA_F
ClientSampleId :
P001-SS024-0006-01

Tgt Ion:248 Resp: 18998
Ion Ratio Lower Upper
248 100
250 197.8 77.0 115.4#
141 503.2 63.0 94.6#

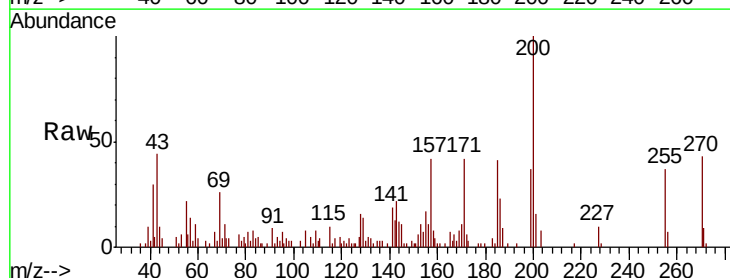


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

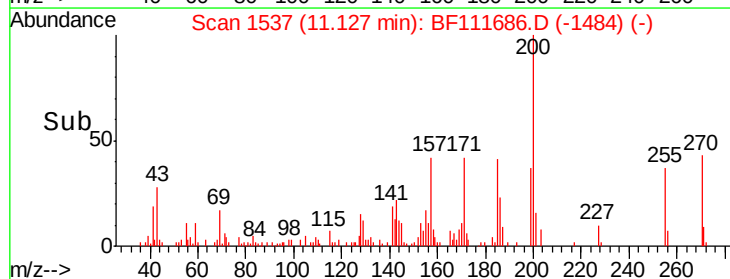
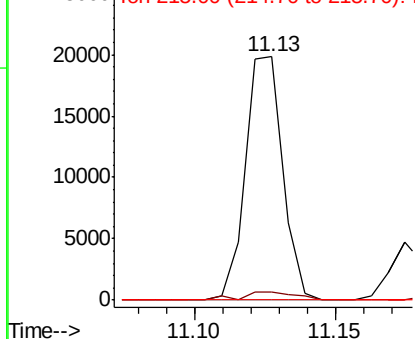


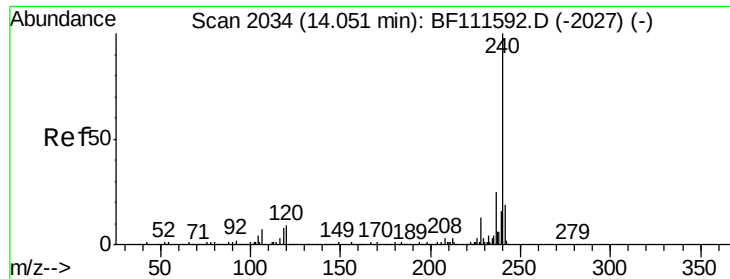
#69
Atrazine
Concen: 2.954 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Tgt Ion:200 Resp: 18145
Ion Ratio Lower Upper
200 100
173 3.2 10.1 50.1#
215 0.0 26.9 66.9#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

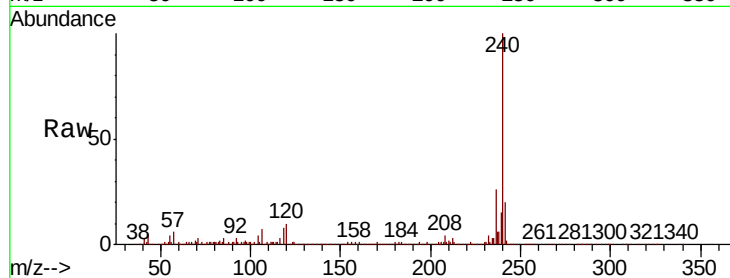




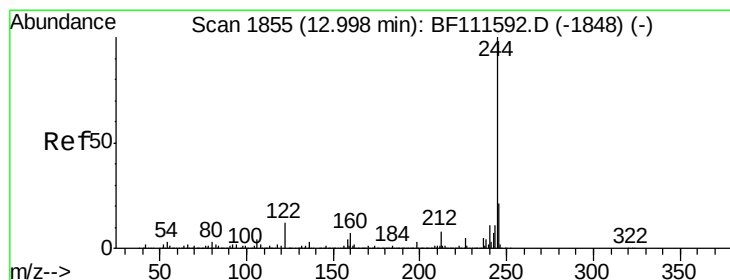
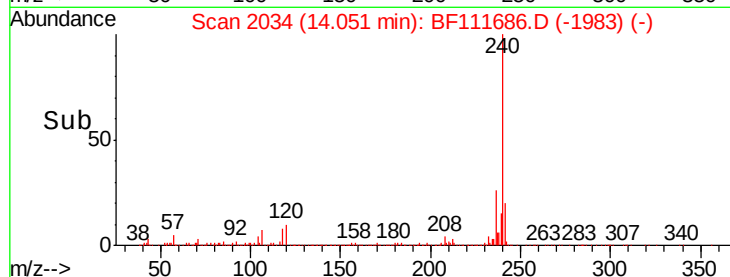
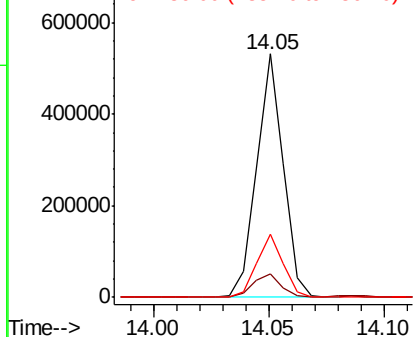
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Instrument :
BNA_F
ClientSampleId :
P001-SS024-0006-01

Tgt Ion:240 Resp: 428113
Ion Ratio Lower Upper
240 100
120 9.6 12.2 18.2#
236 26.1 20.2 30.2

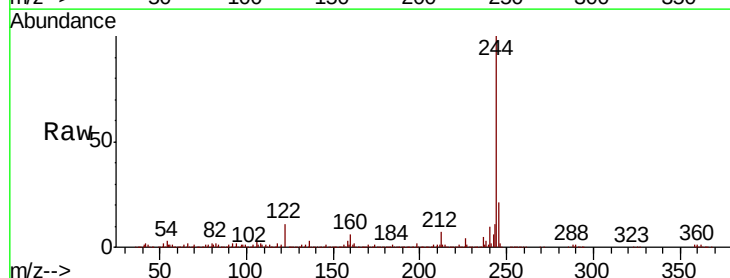


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

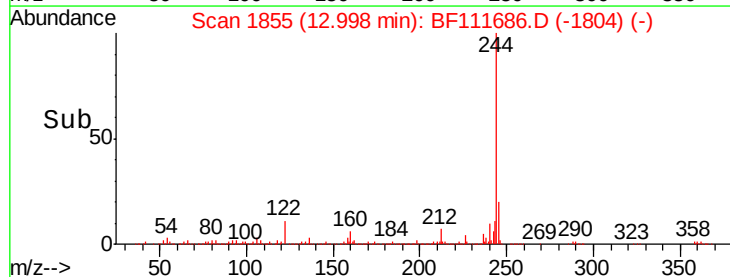
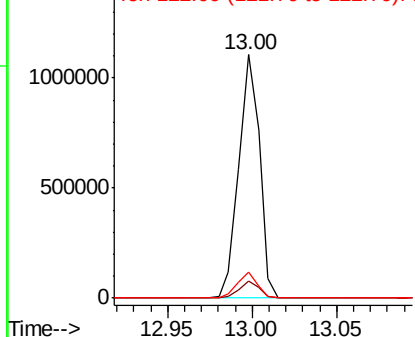


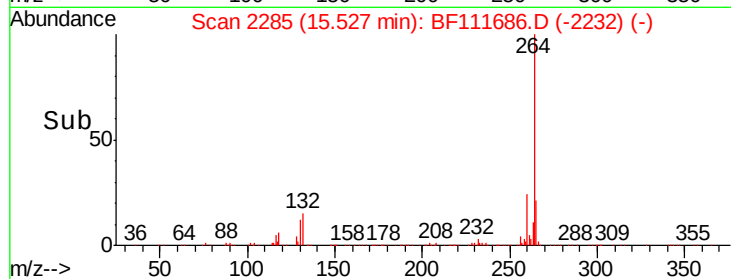
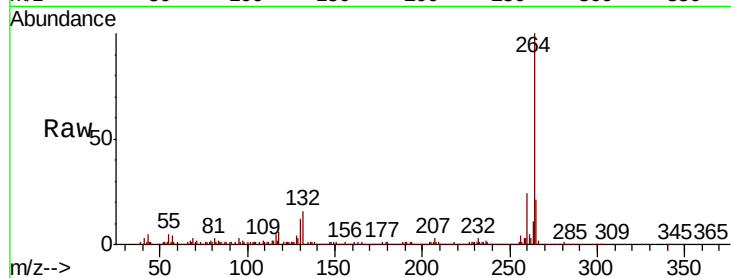
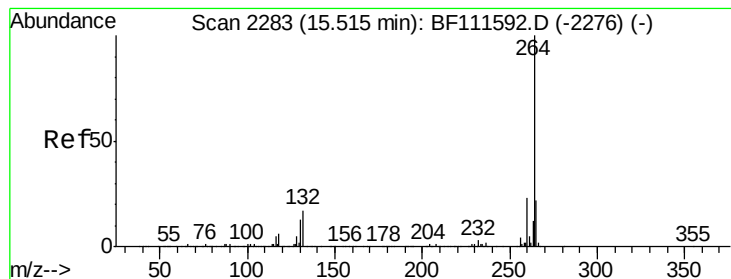
#79
Terphenyl-d14
Concen: 41.939 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111686.D
Acq: 21 Dec 2018 14:40

Tgt Ion:244 Resp: 946777
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 10.6 13.1 19.7#



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: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF111686.D

Acq: 21 Dec 2018 14:40

Instrument :

BNA_F

ClientSampleId :

P001-SS024-0006-01

Tgt Ion: 264 Resp: 325583

Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 20.9 17.7 26.5

