

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115168.D
 Acq On : 25 Jun 2019 00:48
 Operator : HP/JU
 Sample : K3487-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-048

Quant Time: Jun 25 07:45:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

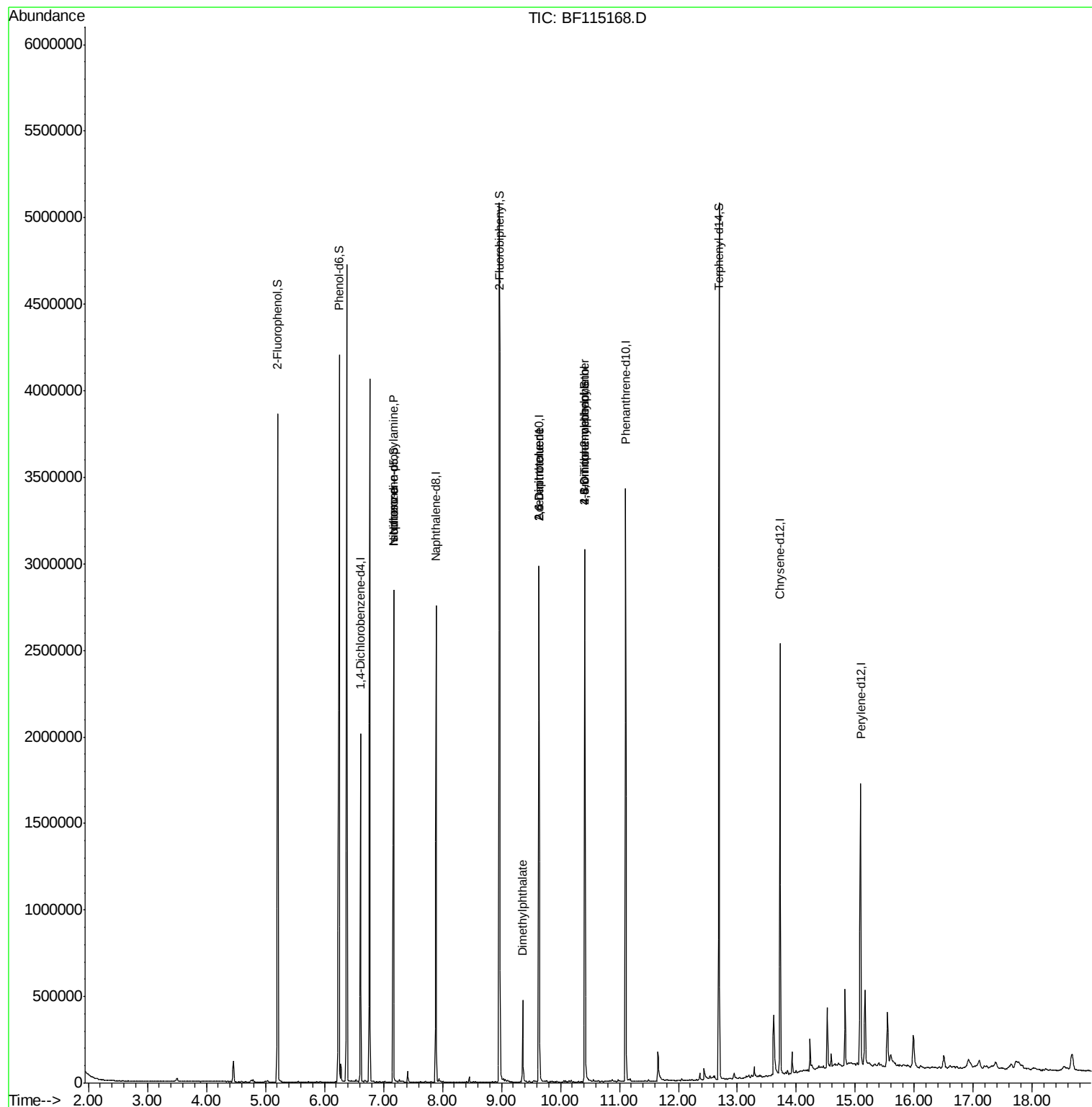
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	301195	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1147881	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	576831	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1128922	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	784772	20.00	ng	-0.02
87) Perylene-d12	15.09	264	690165	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1265451	64.84	ng	0.00
7) Phenol-d6	6.25	99	1574605	66.47	ng	0.00
23) Nitrobenzene-d5	7.17	82	938666	50.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	395205	64.97	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1671174	49.21	ng	-0.02
79) Terphenyl-d14	12.69	244	1789409	48.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	124251	8.192	ng	# 77
25) Isophorone	7.17	82	927742	24.270	ng	# 63
50) Dimethylphthalate	9.36	163	197022	4.643	ng	# 98
51) 2,6-Dinitrotoluene	9.64	165	74350	7.588	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	74350	5.877	ng	# 30
58) Fluorene	10.41	166	18827	Below Cal		# 82
65) 4,6-Dinitro-2-methylphenol	10.41	198	688	5.063	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	25233	2.062	ng	# 1

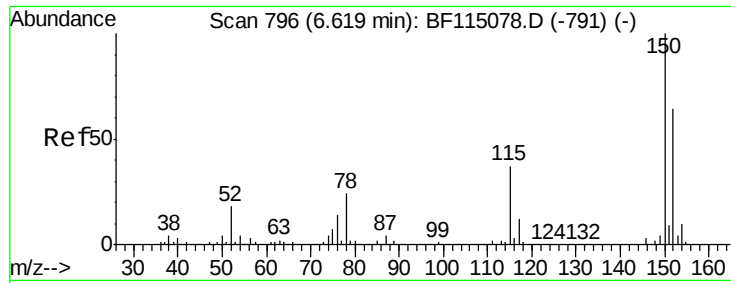
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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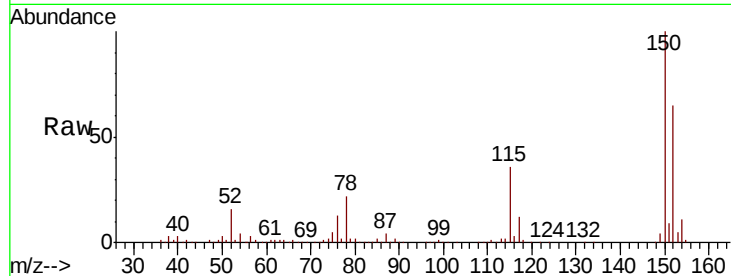


#1

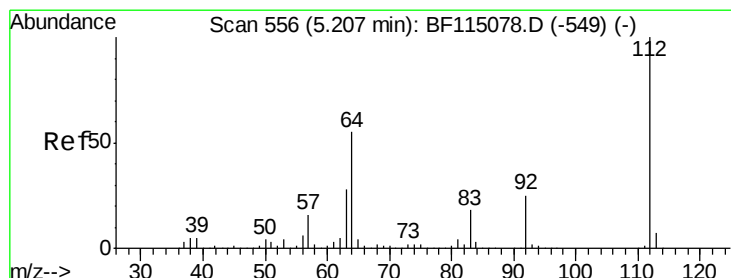
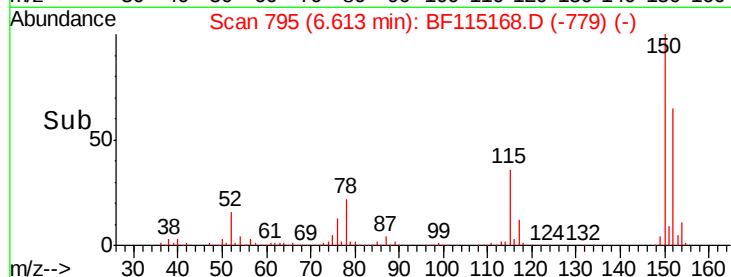
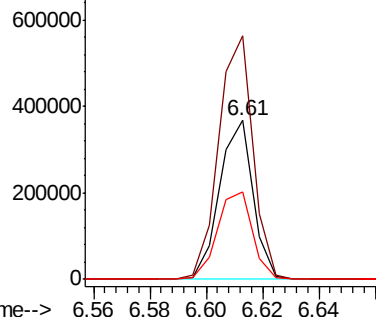
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115168.D
Acq: 25 Jun 2019 00:48

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-048

Tot Ion:152 Resp: 301195
Ion Ratio Lower Upper
152 100
150 153.4 124.2 186.2
115 55.5 46.1 69.1



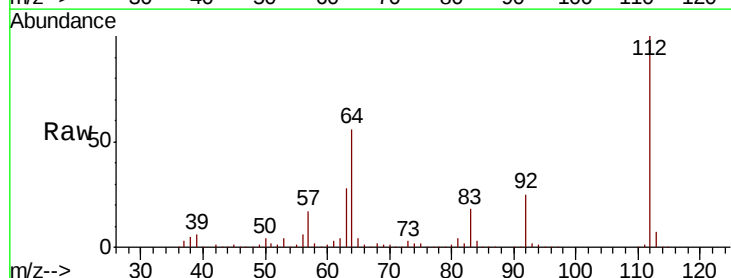
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



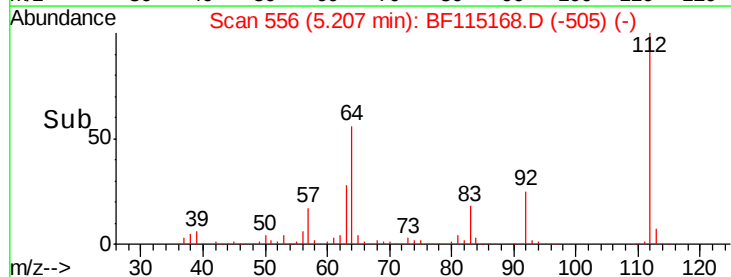
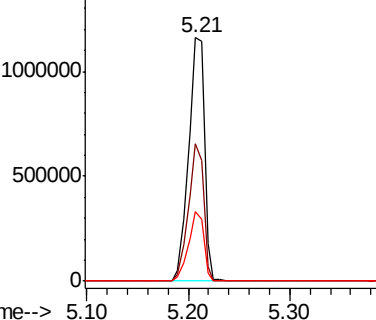
#5

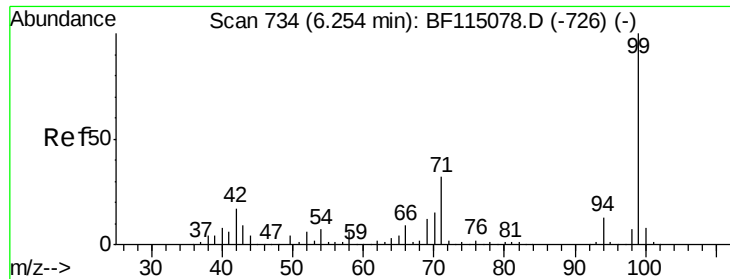
2-Fluorophenol
Concen: 64.835 ng
RT: 5.21 min Scan# 556
Delta R.T. -0.00 min
Lab File: BF115168.D
Acq: 25 Jun 2019 00:48

Tgt Ion:112 Resp: 1265451
Ion Ratio Lower Upper
112 100
64 56.3 43.8 65.6
63 28.4 22.2 33.4



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: 66.467 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-048

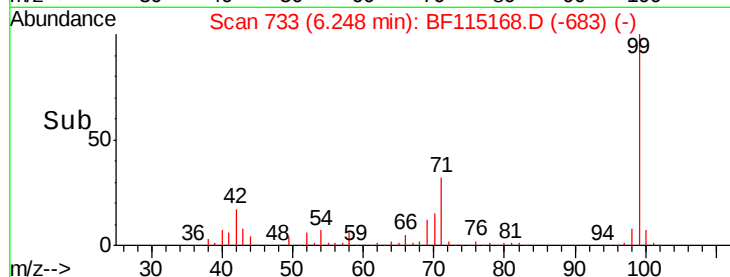
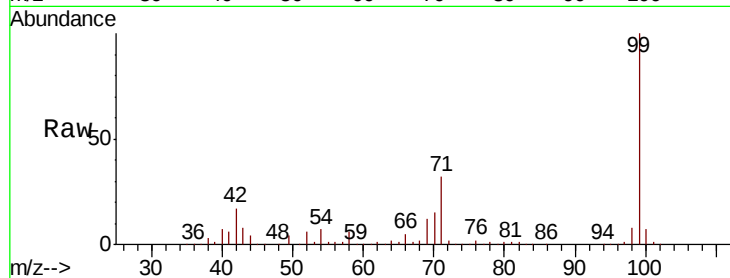
Tot Ion: 99 Resp: 1574605

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

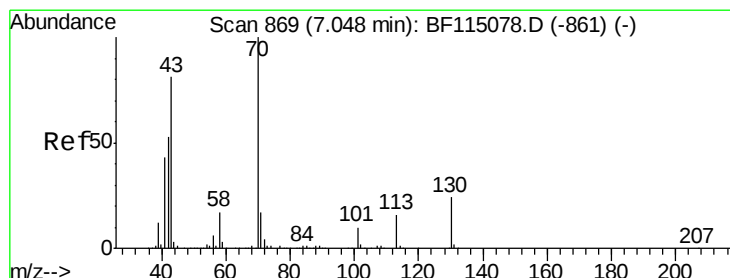
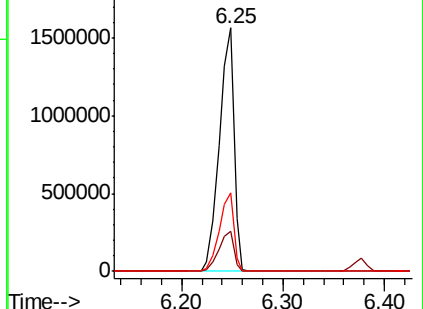
71 32.3 25.5 38.3



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: 8.192 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Tgt Ion: 70 Resp: 124251

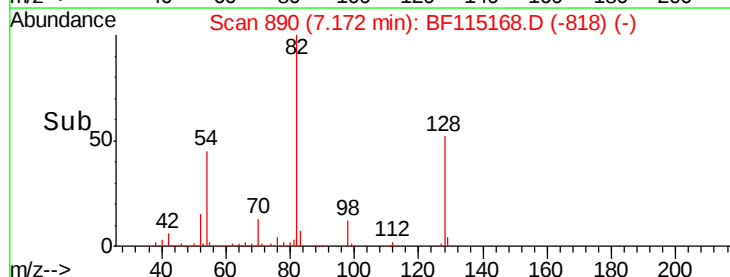
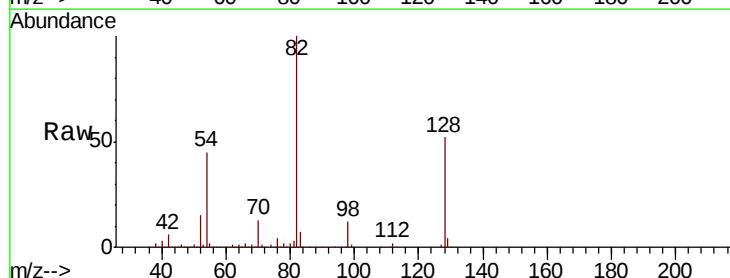
Ion Ratio Lower Upper

70 100

42 43.6 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

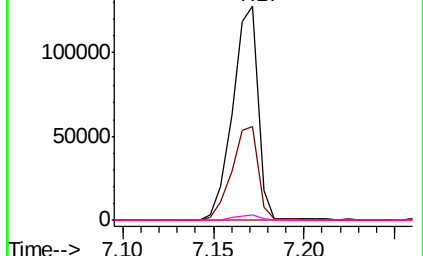


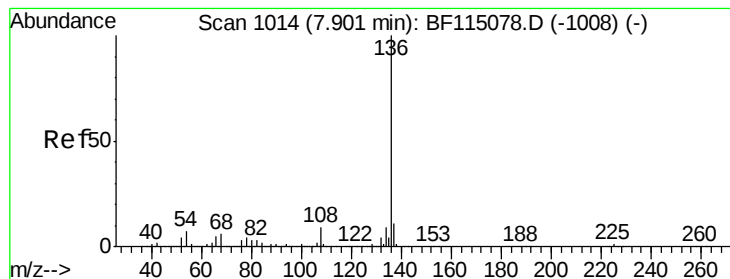
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-048

Tot Ion:136 Resp: 1147881

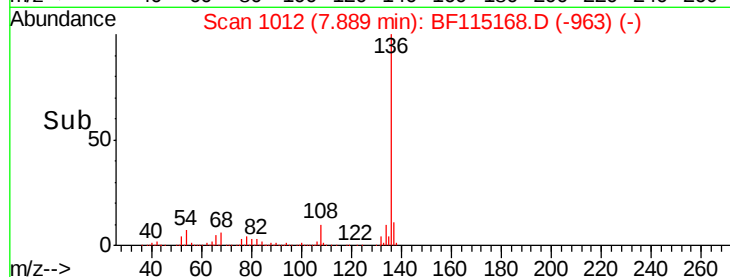
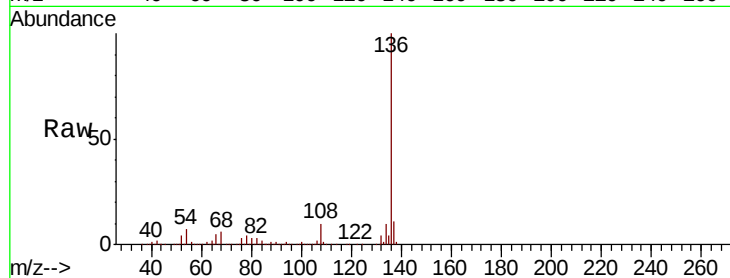
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.1 5.6 8.4

68 6.3 4.8 7.2

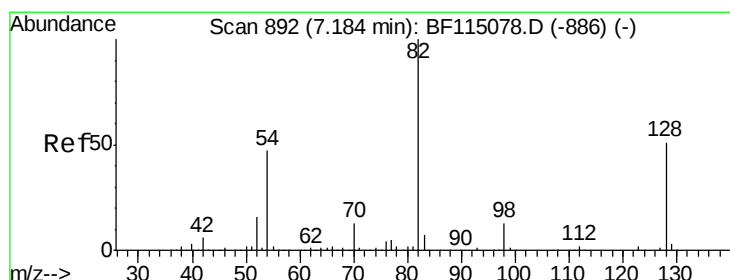
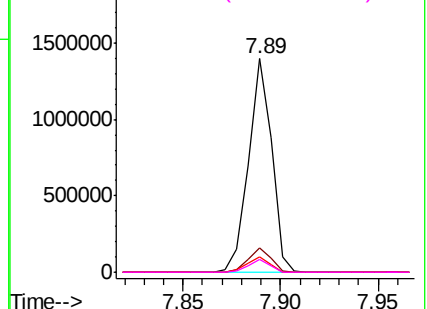


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.303 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

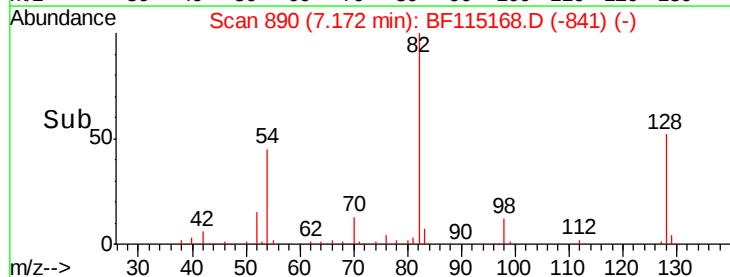
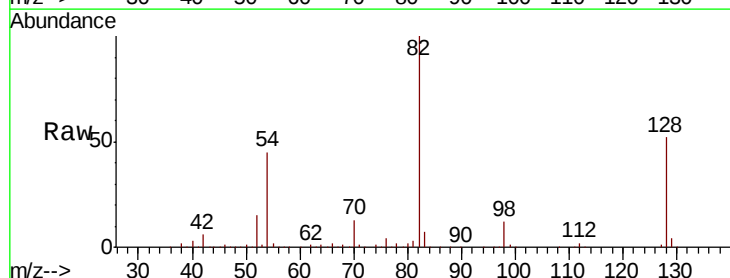
Tgt Ion: 82 Resp: 938666

Ion Ratio Lower Upper

82 100

128 51.7 40.4 60.6

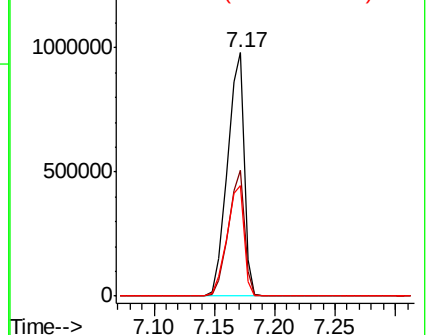
54 45.2 37.5 56.3

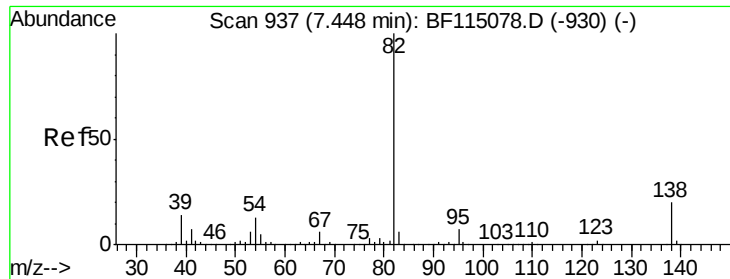


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 24.270 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115168.D

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ClientSampleId :

FK-PS-01-048

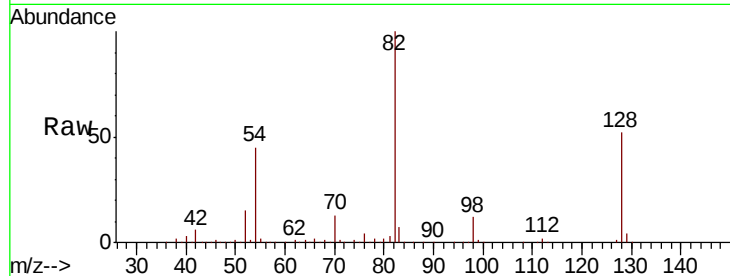
Tot Ion: 82 Resp: 927742

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

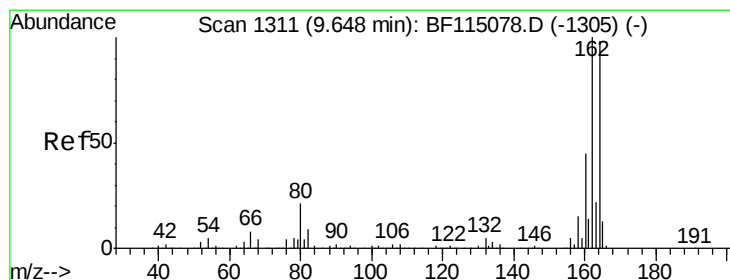
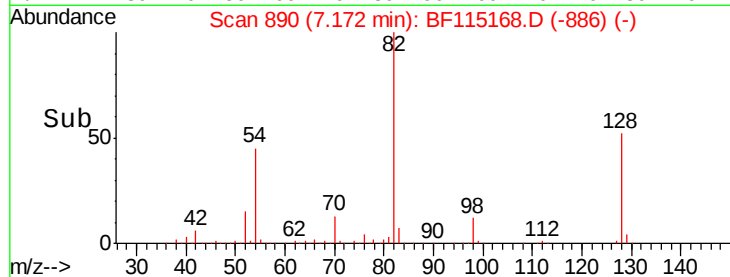
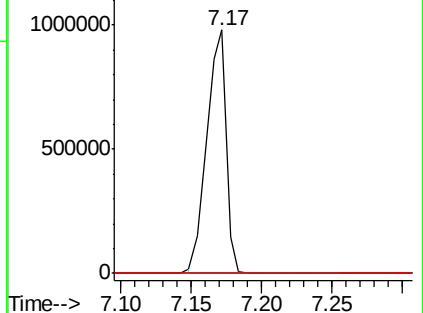
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

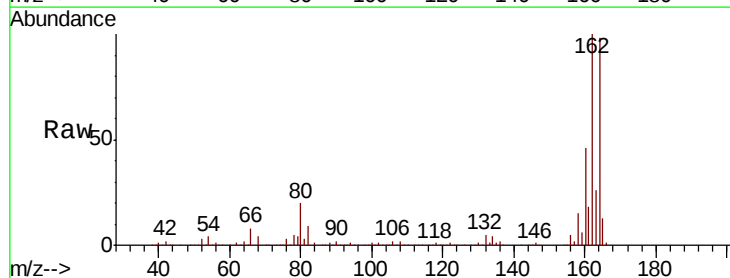
Tgt Ion: 164 Resp: 576831

Ion Ratio Lower Upper

164 100

162 102.0 81.7 122.5

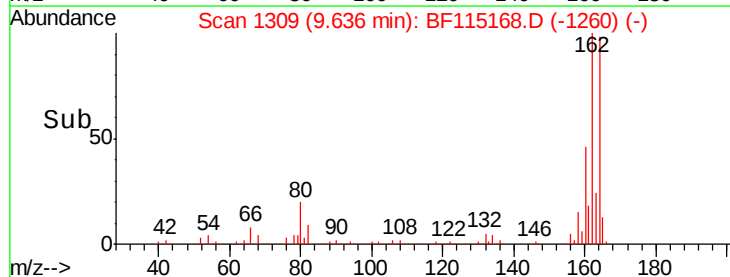
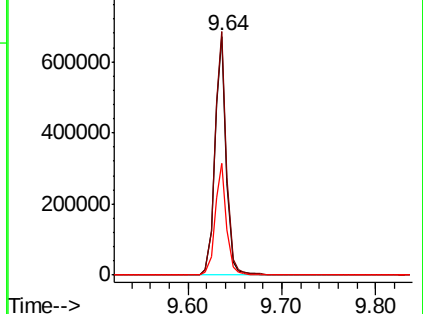
160 46.8 37.0 55.4

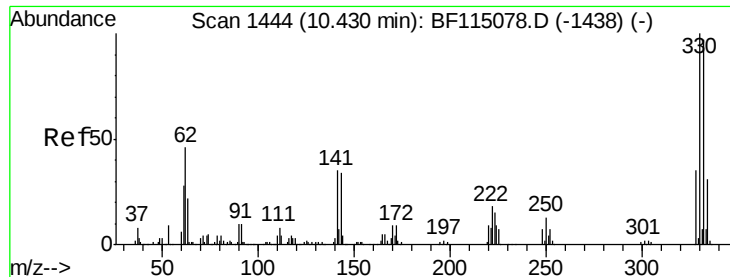


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

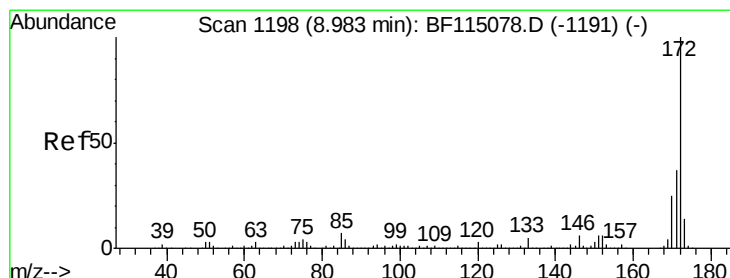
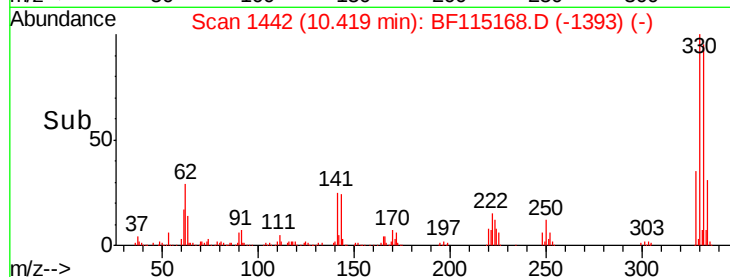
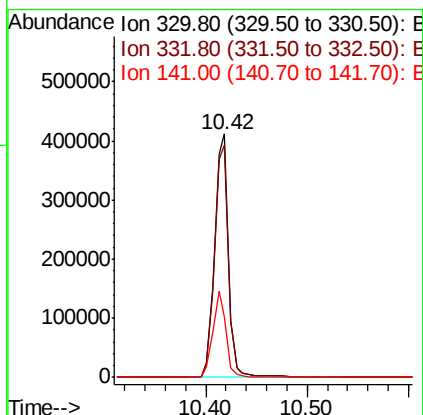
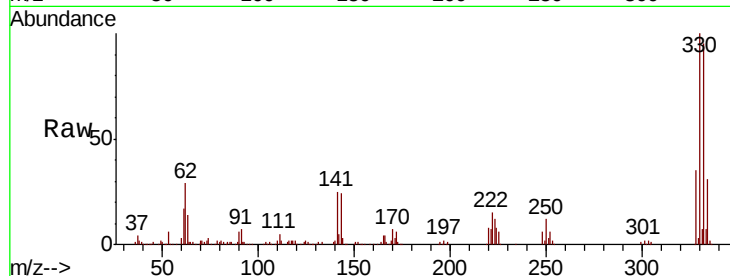




#42
 2,4,6-Tribromophenol
 Concen: 64.970 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115168.D
 Acq: 25 Jun 2019 00:48

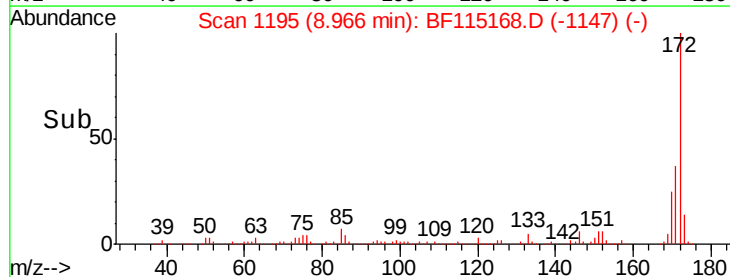
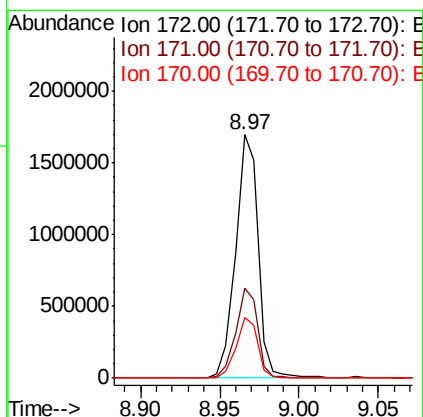
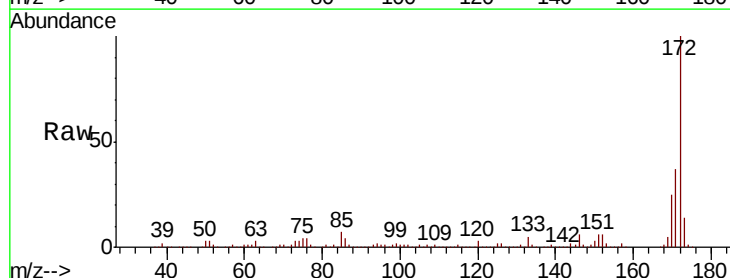
Instrument :
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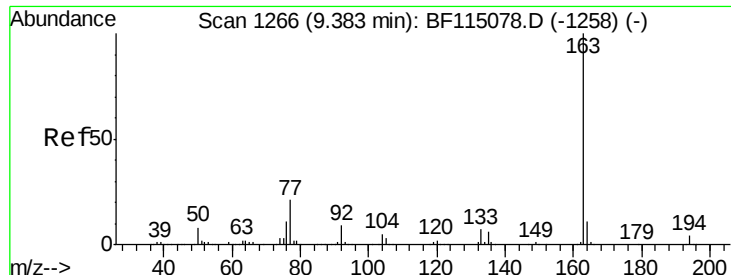
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	33.4	28.2	42.2



#45
 2-Fluorobiphenyl
 Concen: 49.212 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115168.D
 Acq: 25 Jun 2019 00:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.6
170	24.9	20.3	30.5

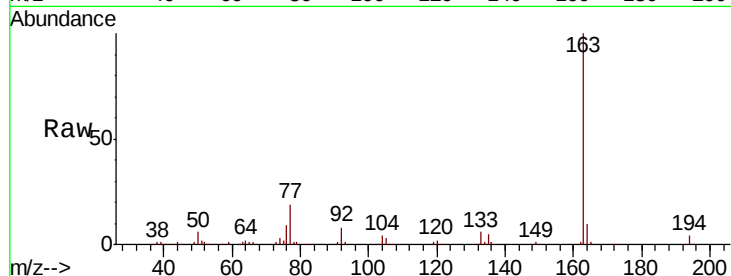




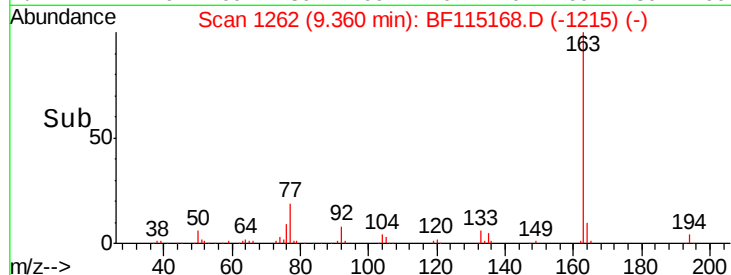
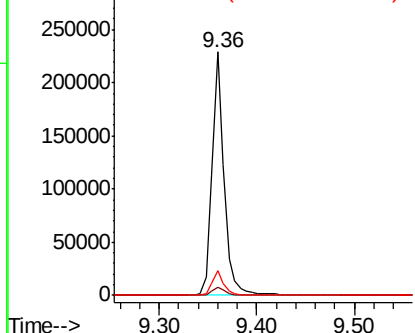
#50
Dimethylphthalate
Concen: 4.643 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115168.D
Acq: 25 Jun 2019 00:48

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-048

Tot Ion:163 Resp: 197022
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.0 8.6 13.0

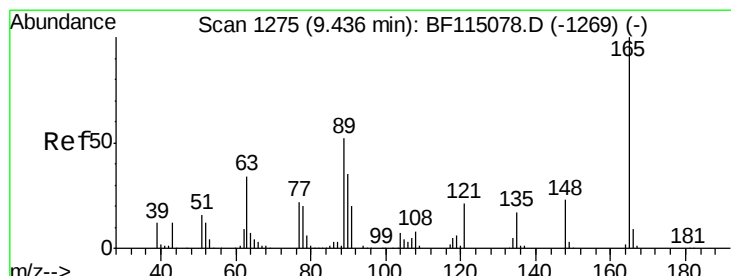


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

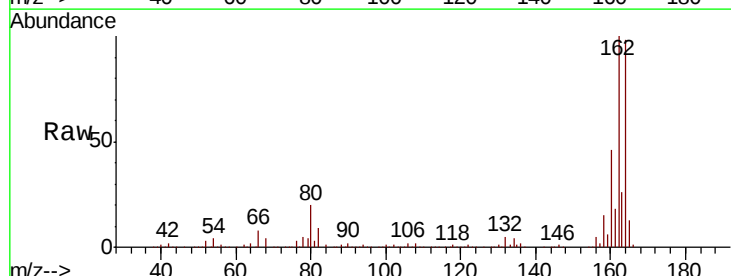
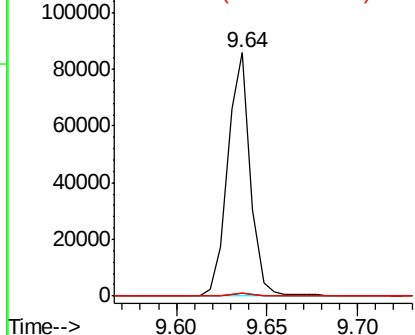


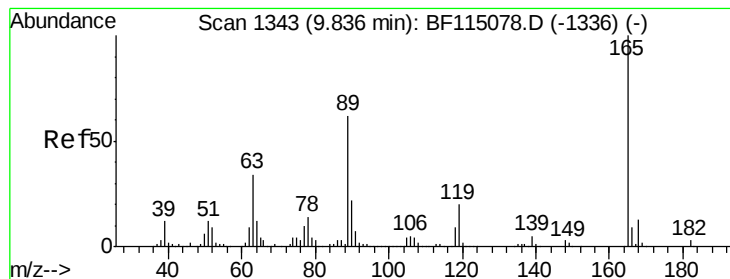
#51
2,6-Dinitrotoluene
Concen: 7.588 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF115168.D
Acq: 25 Jun 2019 00:48

Tgt Ion:165 Resp: 74350
Ion Ratio Lower Upper
165 100
63 1.3 39.4 59.2#
89 1.3 42.0 63.0#



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: 5.877 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-048

Tot Ion:165 Resp: 74350

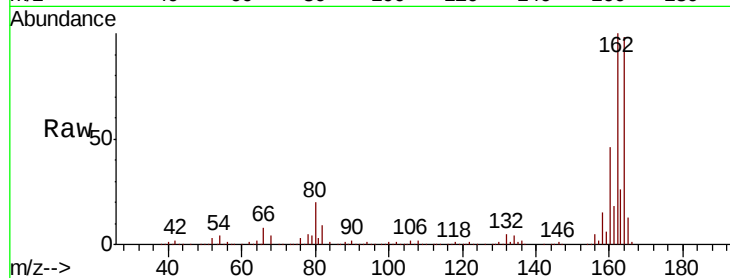
Ion Ratio Lower Upper

165 100

63 1.3 27.5 41.3#

89 1.3 49.9 74.9#

182 0.0 2.1 3.1#

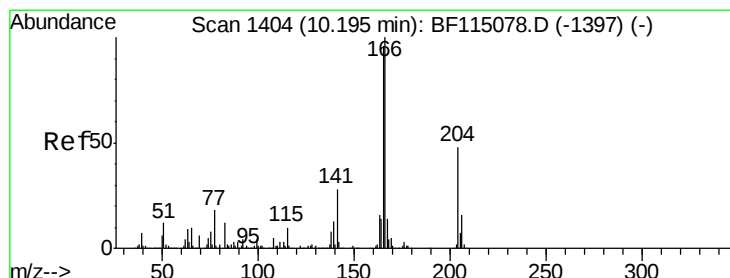
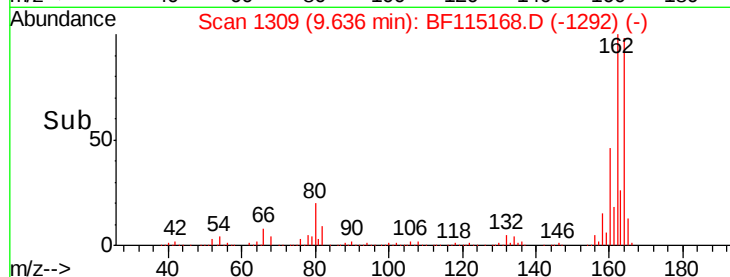
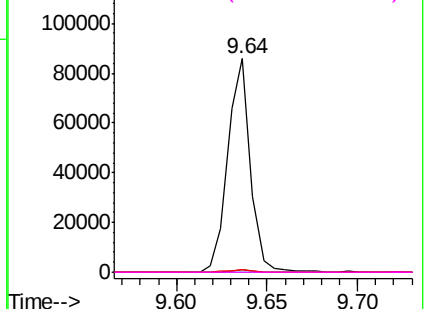


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 1441

Delta R.T. 0.22 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

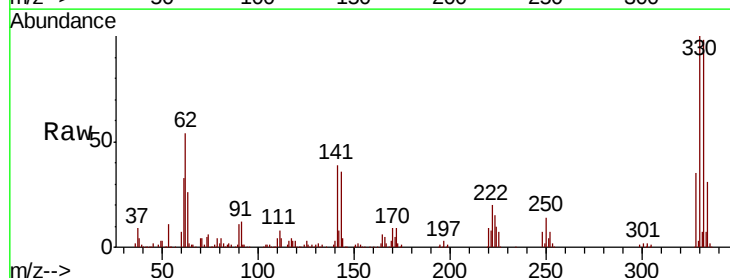
Tgt Ion:166 Resp: 18827

Ion Ratio Lower Upper

166 100

165 106.8 76.5 114.7

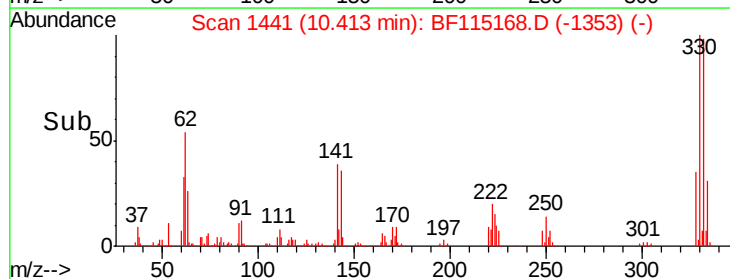
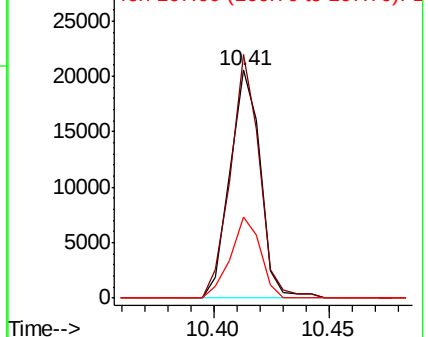
167 40.4 11.0 16.4#

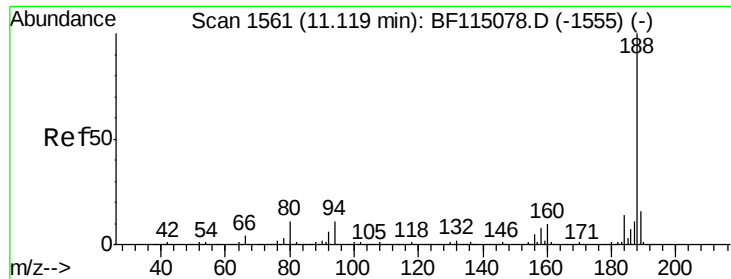


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-048

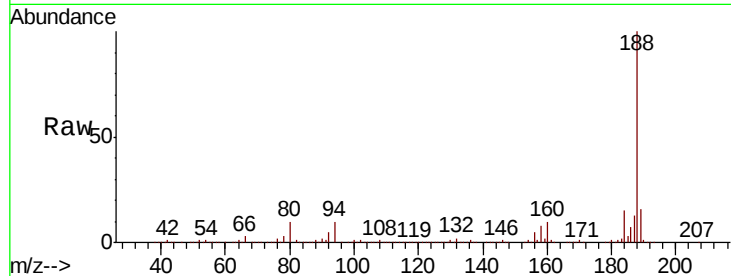
Tot Ion:188 Resp: 1128922

Ion Ratio Lower Upper

188 100

94 9.8 8.6 12.8

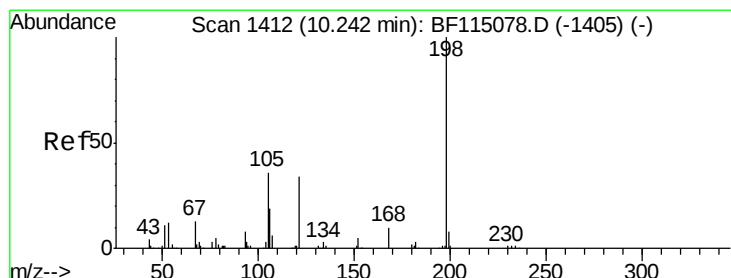
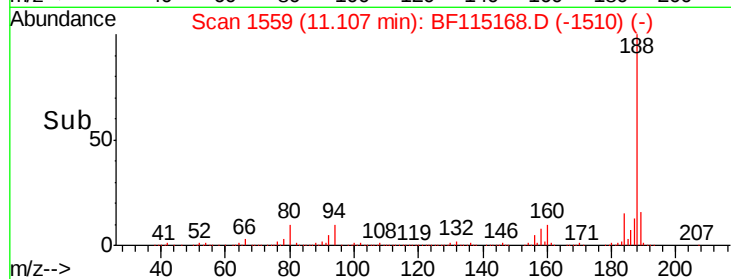
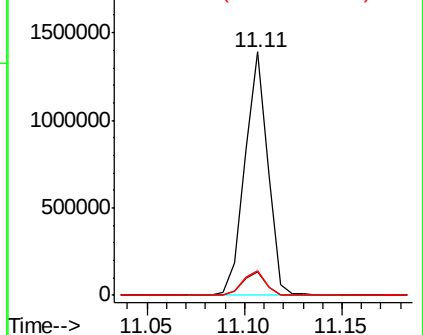
80 10.2 8.8 13.2



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: 5.063 ng

RT: 10.41 min Scan# 1441

Delta R.T. 0.17 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

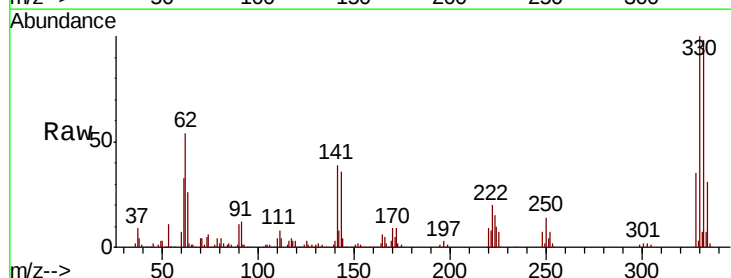
Tgt Ion:198 Resp: 688

Ion Ratio Lower Upper

198 100

51 173.2 11.0 51.0#

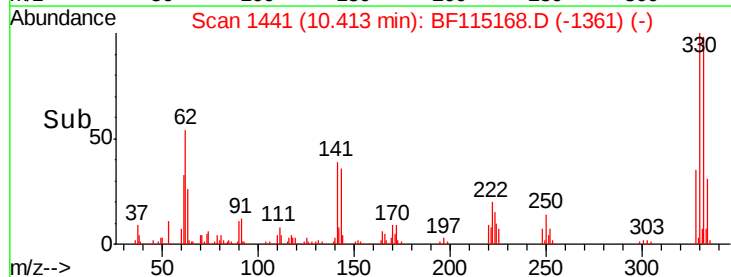
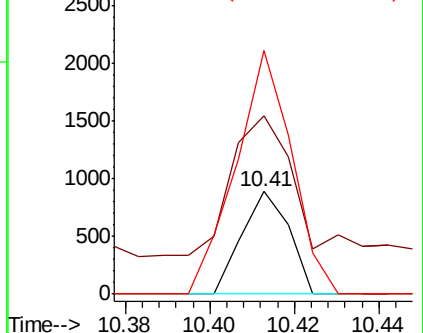
105 236.9 17.3 57.3#

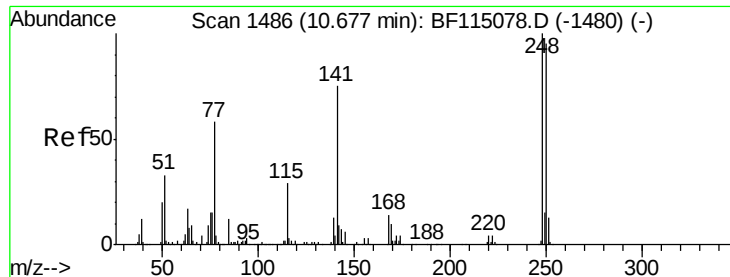


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

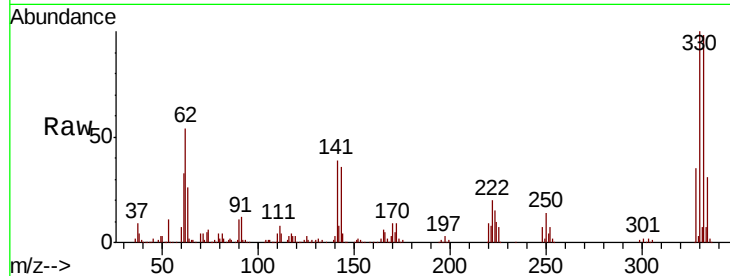




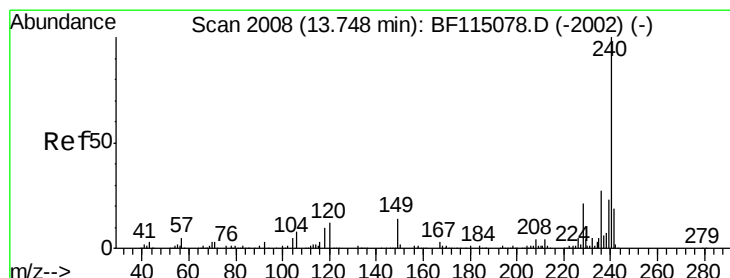
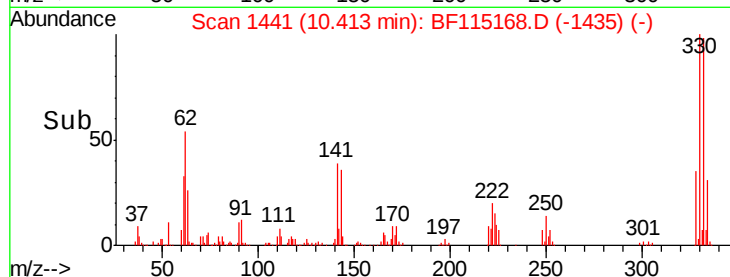
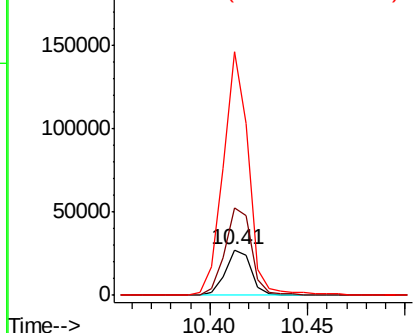
#67
4-Bromophenyl-phenylether
Concen: 2.062 ng
RT: 10.41 min Scan# 1441
Delta R.T. -0.26 min
Lab File: BF115168.D
Acq: 25 Jun 2019 00:48

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-048

Tot Ion:248 Resp: 25233
Ion Ratio Lower Upper
248 100
250 194.4 76.2 114.2#
141 537.7 59.6 89.4#

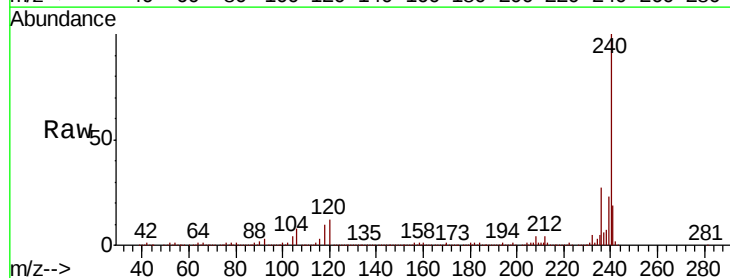


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

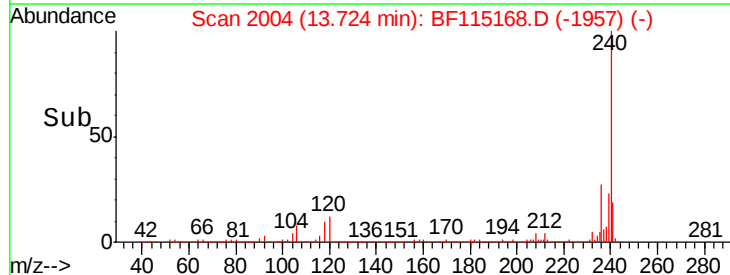
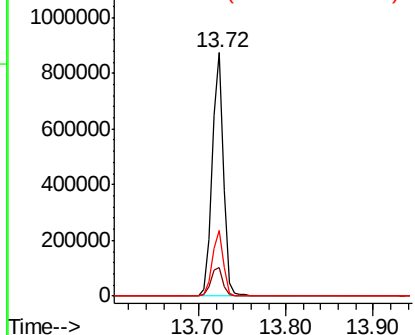


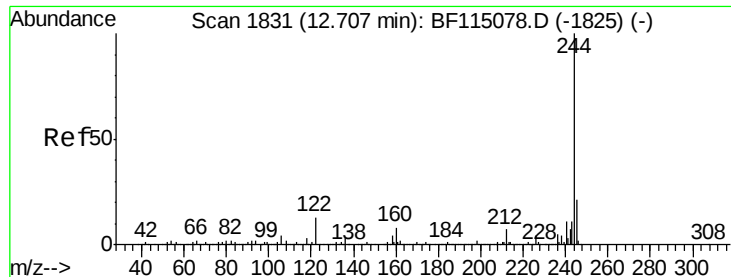
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF115168.D
Acq: 25 Jun 2019 00:48

Tgt Ion:240 Resp: 784772
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 27.0 21.7 32.5



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: 48.480 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-048

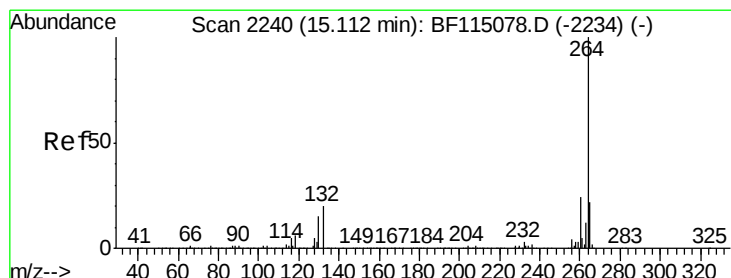
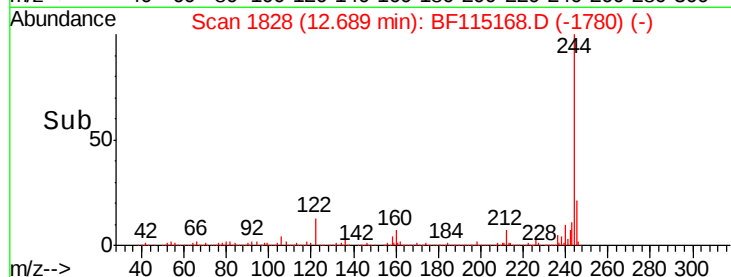
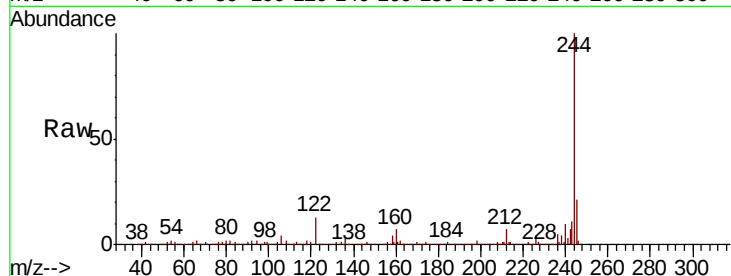
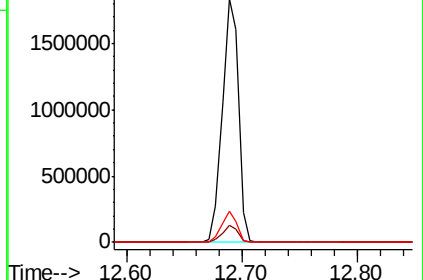
Tot Ion:244 Resp: 1789409

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.9	10.4	15.6

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: 15.09 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF115168.D

Acq: 25 Jun 2019 00:48

Tgt Ion:264 Resp: 690165

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	21.7	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

