

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115167.D
 Acq On : 25 Jun 2019 00:21
 Operator : HP/JU
 Sample : K3500-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(9-10)

Quant Time: Jun 25 07:44:54 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

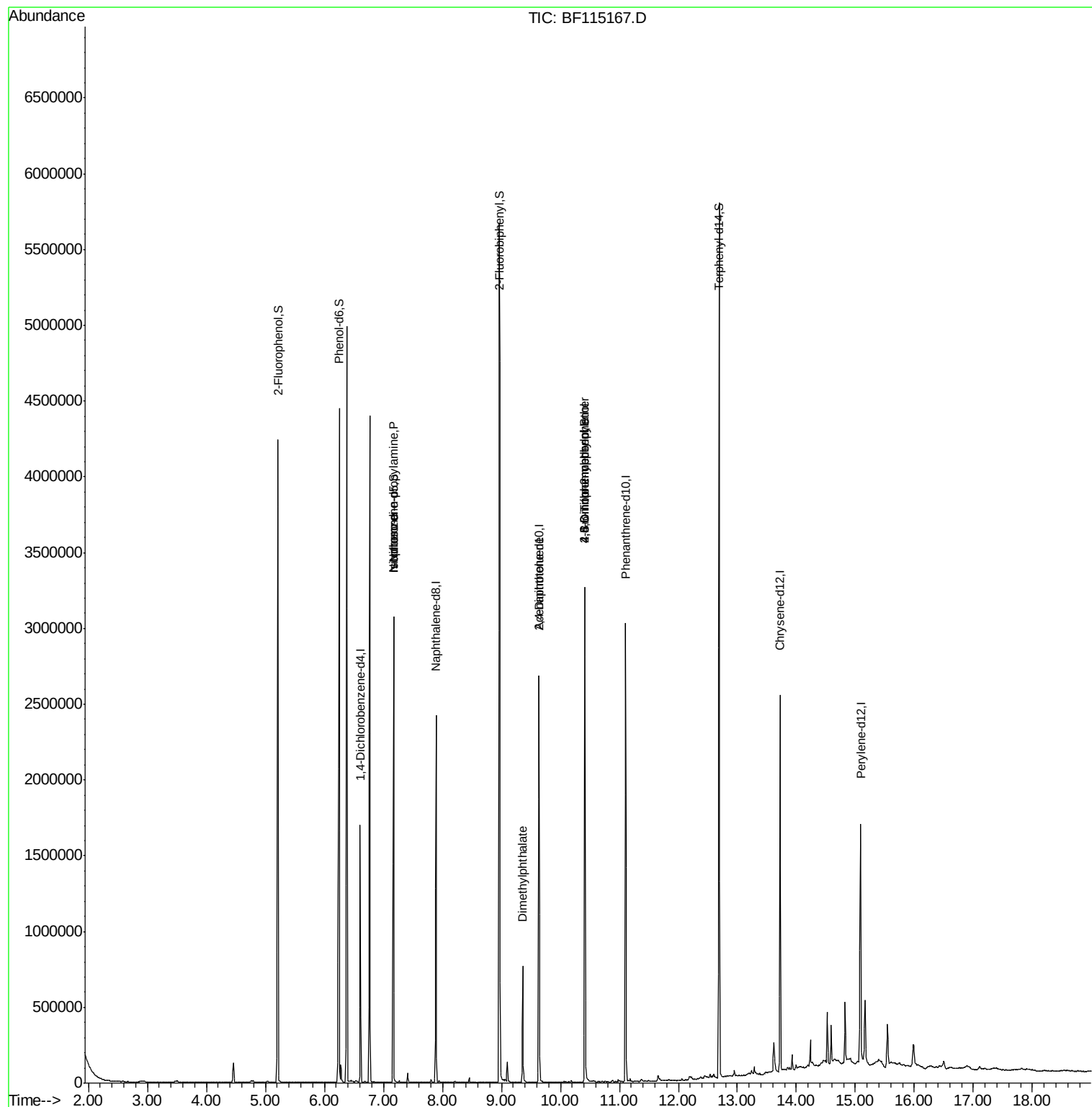
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	266891	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1018130	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	506158	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1018420	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	786043	20.00	ng	-0.02
87) Perylene-d12	15.09	264	667767	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1347425	77.91	ng	0.00
7) Phenol-d6	6.25	99	1676622	79.87	ng	0.00
23) Nitrobenzene-d5	7.17	82	1005001	60.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	422188	79.10	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1853275	62.19	ng	-0.02
79) Terphenyl-d14	12.69	244	2100001	56.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	133173	9.909	ng	# 76
25) Isophorone	7.17	82	994977	29.346	ng	# 63
50) Dimethylphthalate	9.36	163	303351	8.146	ng	# 98
57) 2,4-Dinitrotoluene	9.64	165	65757	5.924	ng	# 30
58) Fluorene	10.41	166	19490	Below Cal		# 88
65) 4,6-Dinitro-2-methylphenol	10.41	198	838	5.099	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	26287	2.381	ng	# 1

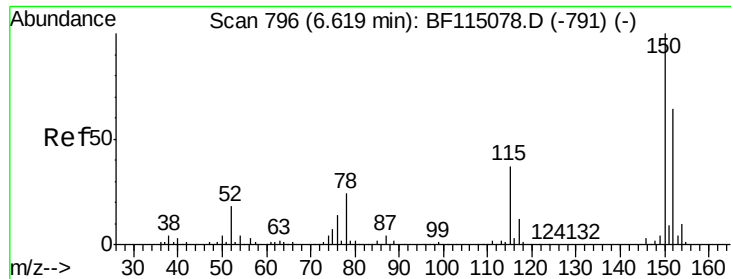
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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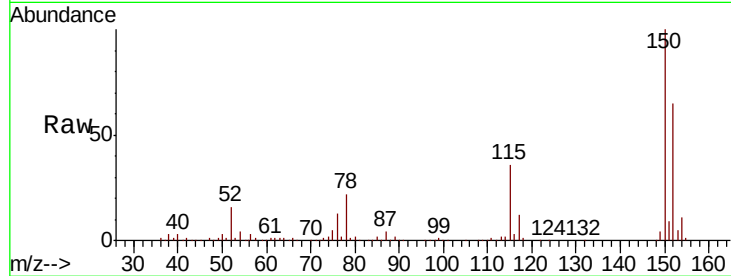


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115167.D
 Acq: 25 Jun 2019 00:21

Instrument :
 BNA_F
 ClientSampleId :
 B-3(9-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.2	186.2
115	56.0	46.1	69.1

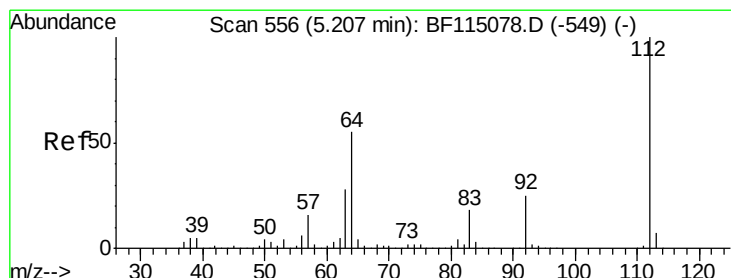
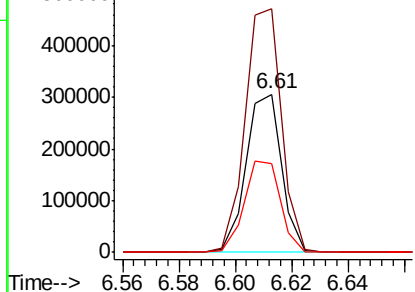
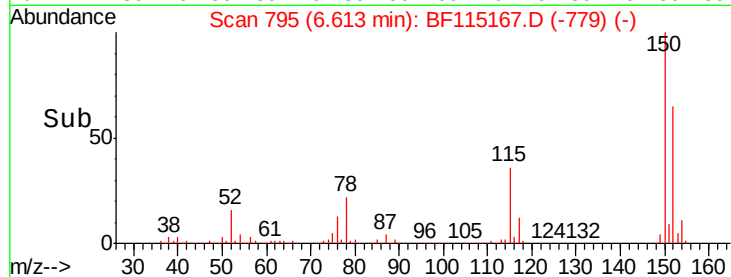


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

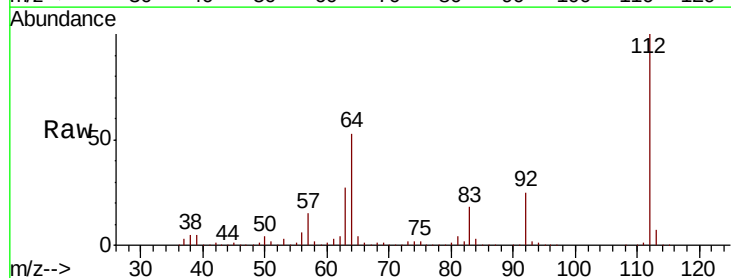
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 77.908 ng
 RT: 5.21 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF115167.D
 Acq: 25 Jun 2019 00:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	43.8	65.6
63	27.2	22.2	33.4

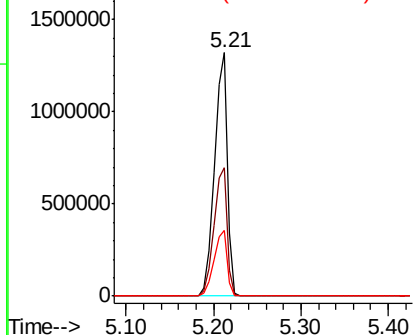
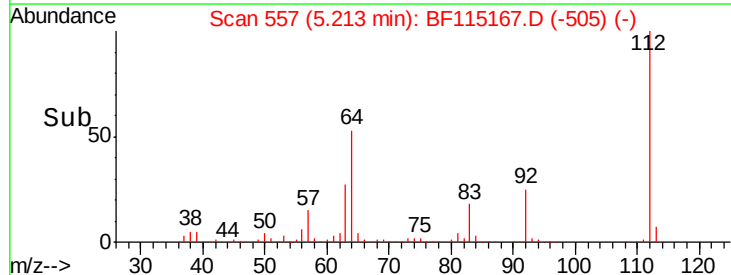


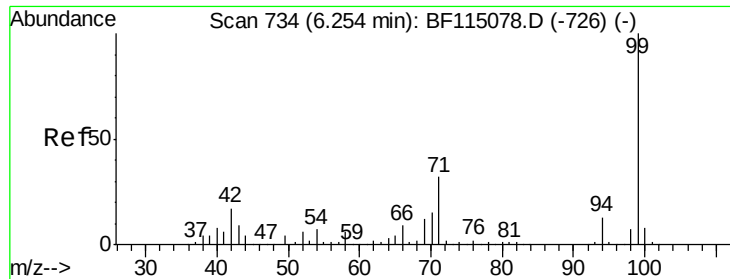
Abundance

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: 79.870 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

Instrument :

BNA_F

ClientSampleId :

B-3(9-10)

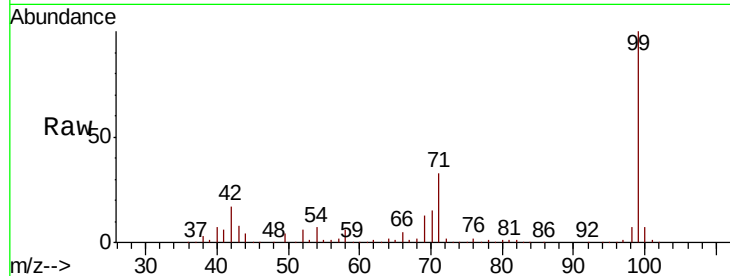
Tot Ion: 99 Resp: 1676622

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

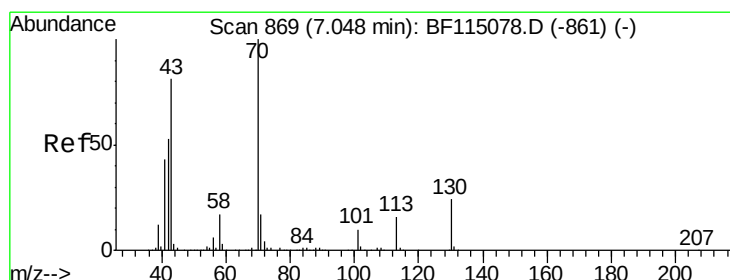
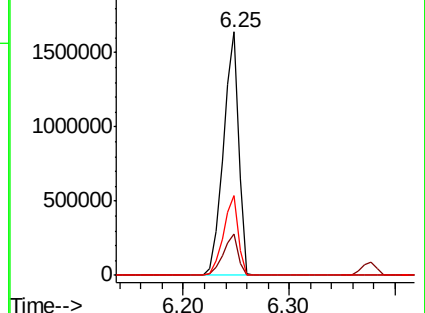
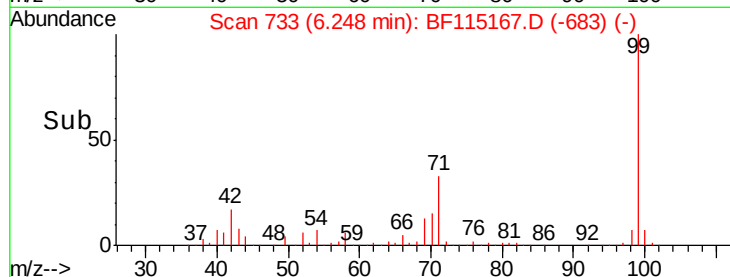
71 32.9 25.5 38.3



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: 9.909 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

Tgt Ion: 70 Resp: 133173

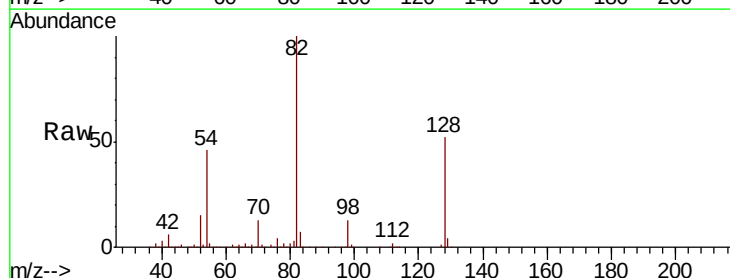
Ion Ratio Lower Upper

70 100

42 43.6 42.6 63.8

101 0.0 8.0 12.0#

130 2.2 19.4 29.0#

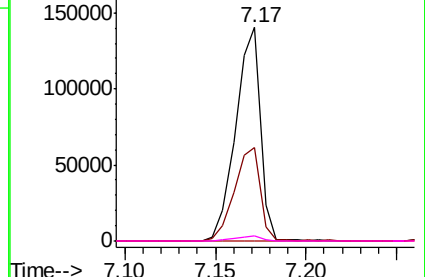
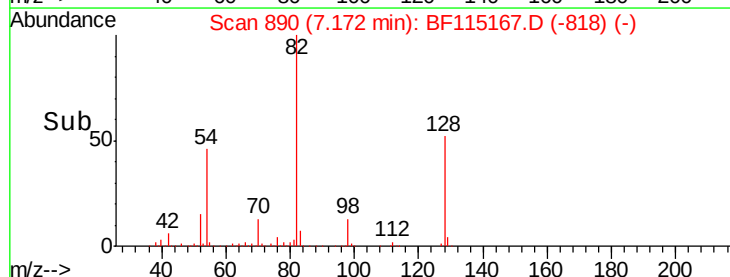


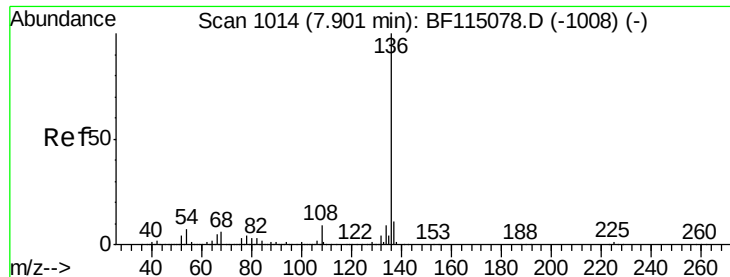
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

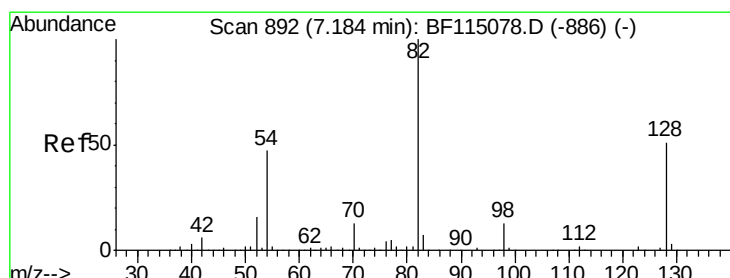
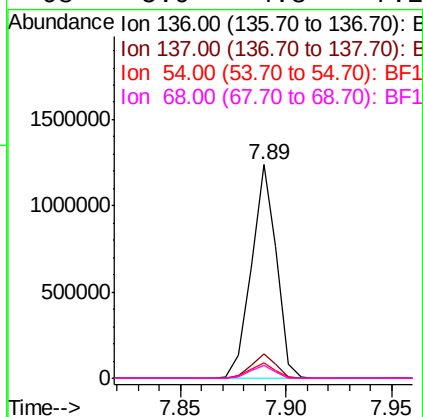
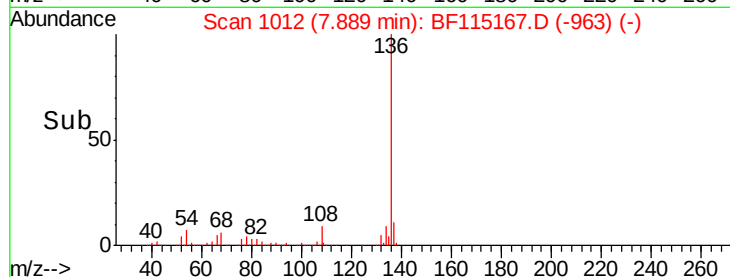
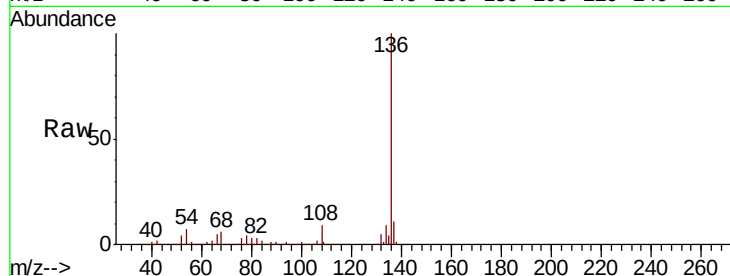




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115167.D
Acq: 25 Jun 2019 00:21

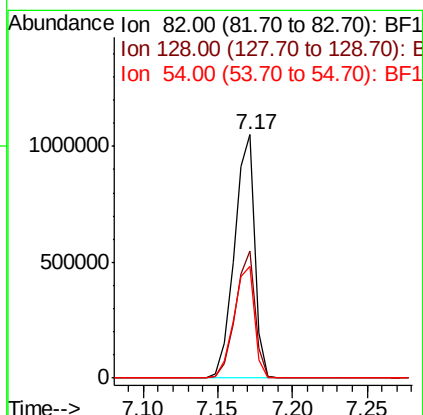
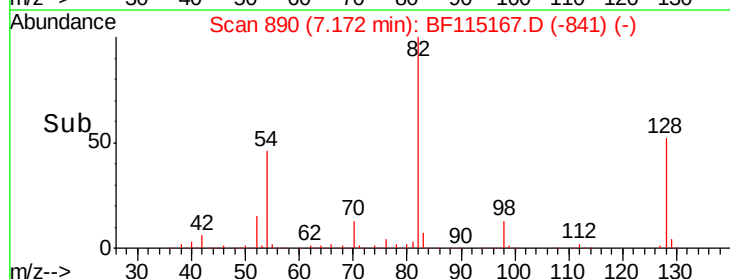
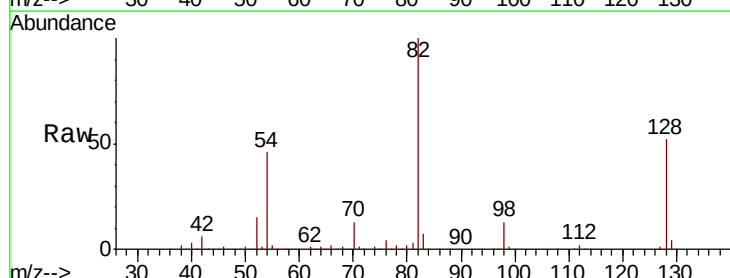
Instrument :
BNA_F
ClientSampleId :
B-3(9-10)

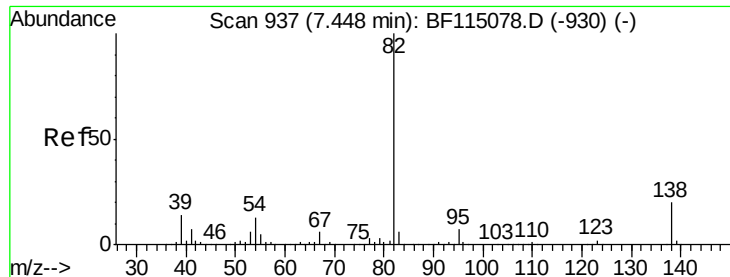
Tot Ion:136	Resp: 1018130
Ion Ratio	Lower Upper
136 100	
137 11.4	8.9 13.3
54 7.1	5.6 8.4
68 5.9	4.8 7.2



#23
Nitrobenzene-d5
Concen: 60.722 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115167.D
Acq: 25 Jun 2019 00:21

Tgt Ion: 82	Resp: 1005001
Ion Ratio	Lower Upper
82 100	
128 52.0	40.4 60.6
54 45.9	37.5 56.3





#25

Isophorone

Concen: 29.346 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

Instrument :

BNA_F

ClientSampled :

B-3(9-10)

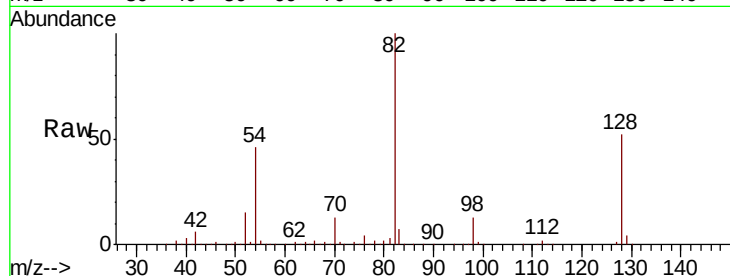
Tot Ion: 82 Resp: 994977

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

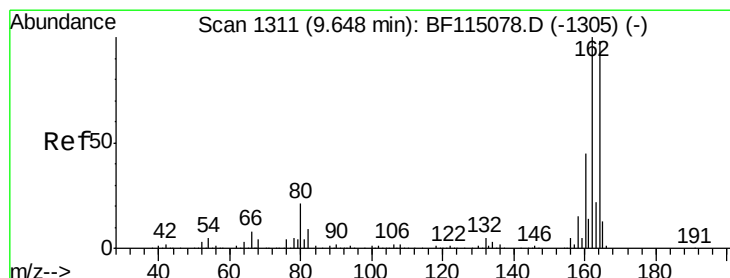
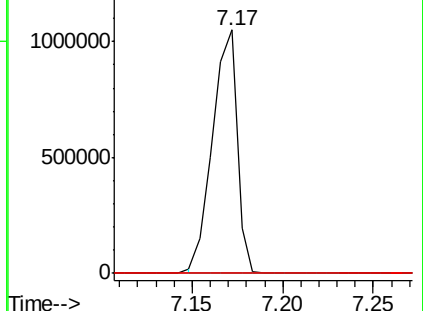
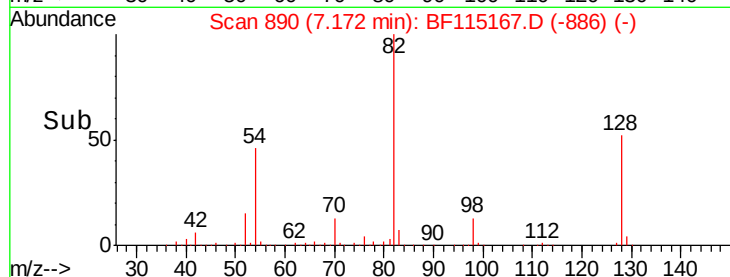
138 0.0 15.9 23.9#



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: BF115167.D

Acq: 25 Jun 2019 00:21

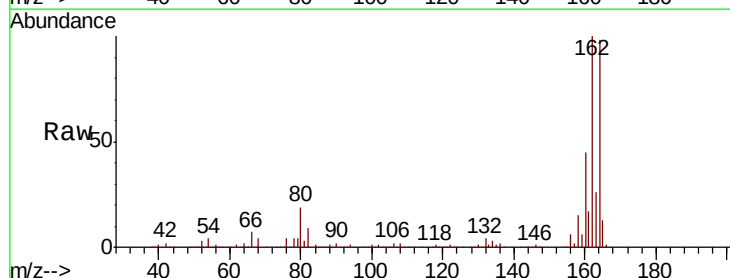
Tgt Ion:164 Resp: 506158

Ion Ratio Lower Upper

164 100

162 102.2 81.7 122.5

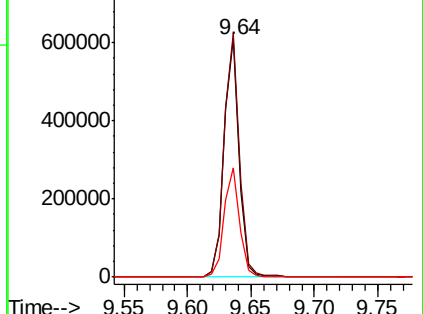
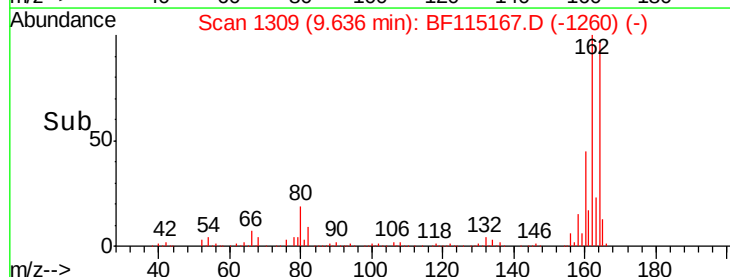
160 45.9 37.0 55.4

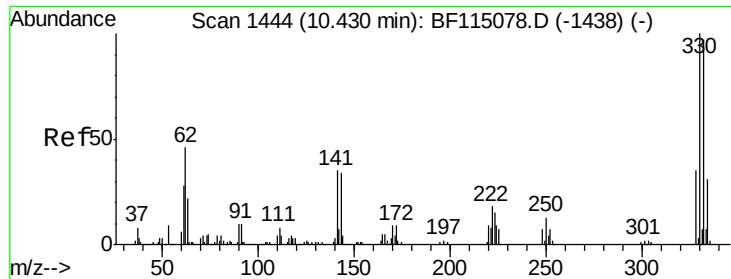


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 79.097 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

Instrument :

BNA_F

ClientSampleId :

B-3(9-10)

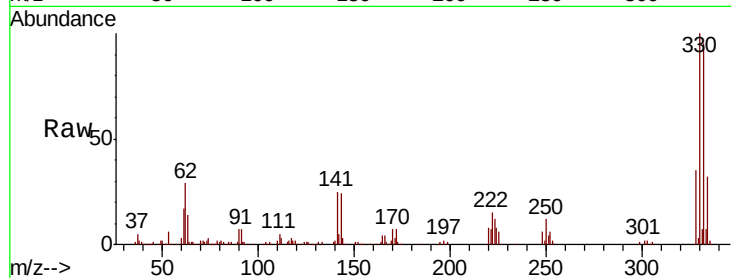
Tot Ion:330 Resp: 422188

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

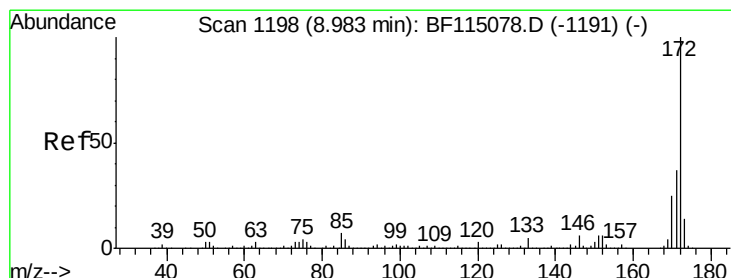
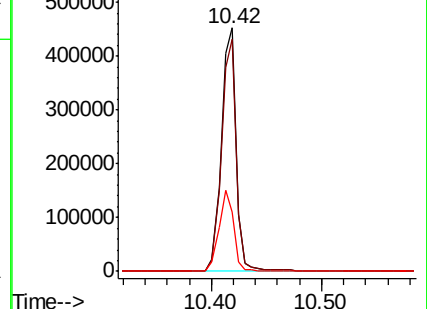
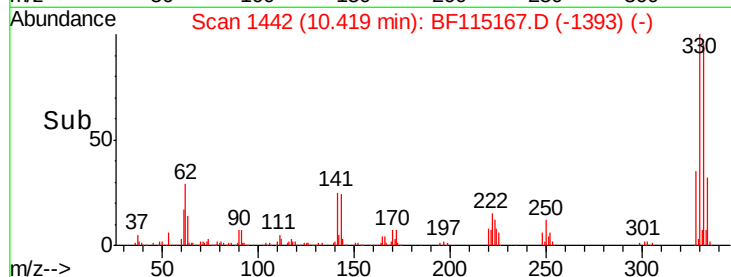
141 32.7 28.2 42.2



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: 62.194 ng

RT: 8.97 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

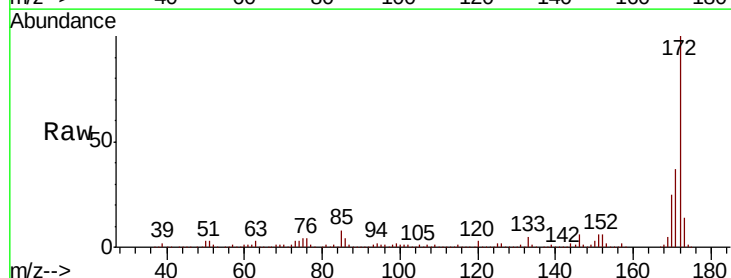
Tgt Ion:172 Resp: 1853275

Ion Ratio Lower Upper

172 100

171 36.8 29.8 44.6

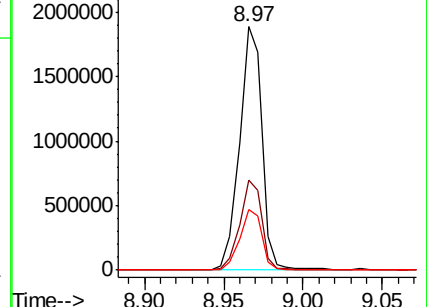
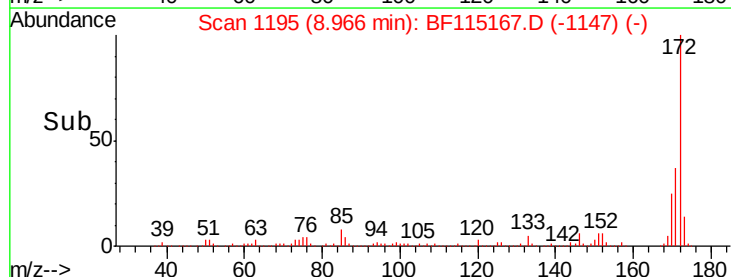
170 25.0 20.3 30.5

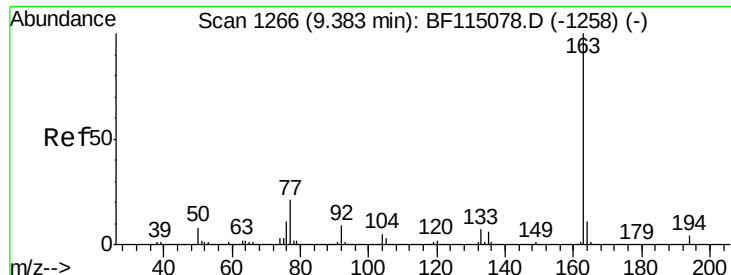


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

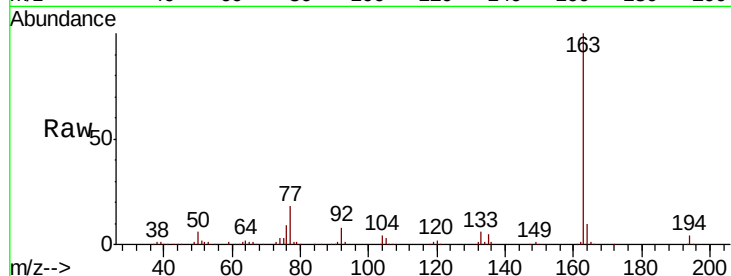




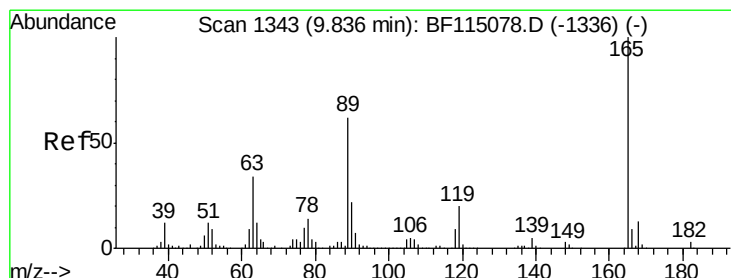
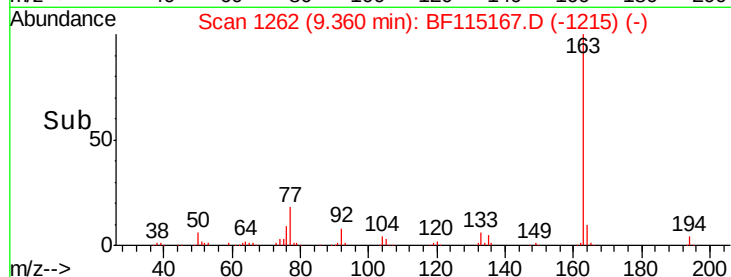
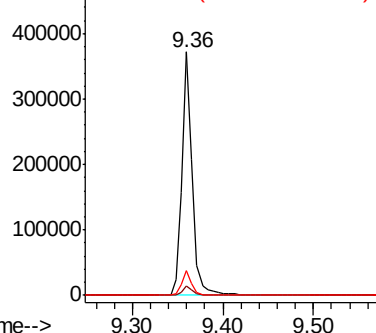
#50
Dimethylphthalate
Concen: 8.146 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115167.D
Acq: 25 Jun 2019 00:21

Instrument :
BNA_F
ClientSampleId :
B-3(9-10)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.0	8.6	13.0



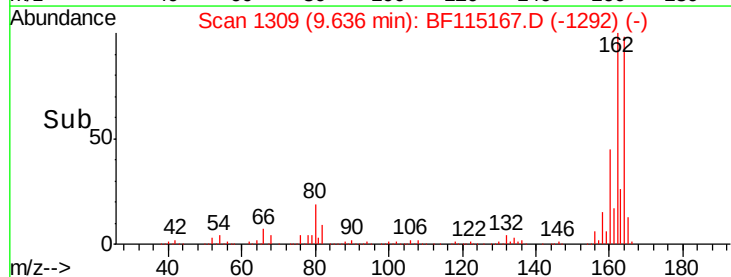
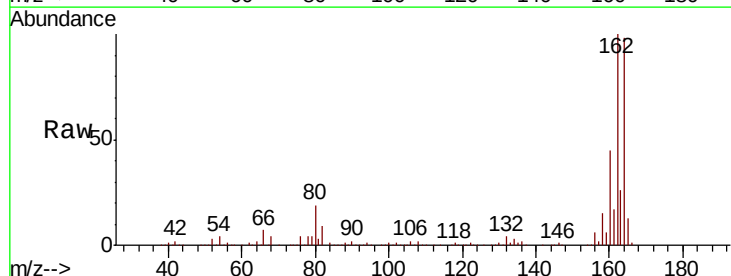
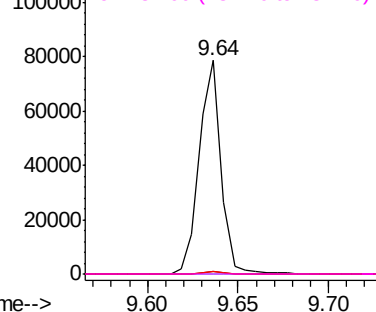
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

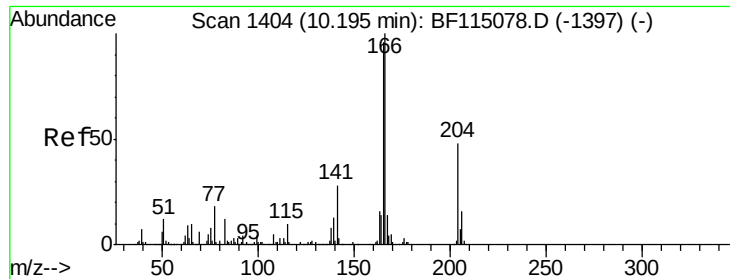


#57
2,4-Dinitrotoluene
Concen: 5.924 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115167.D
Acq: 25 Jun 2019 00:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.5	41.3#
89	1.2	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: BF115167.D

Acq: 25 Jun 2019 00:21

Instrument :

BNA_F

ClientSampleId :

B-3(9-10)

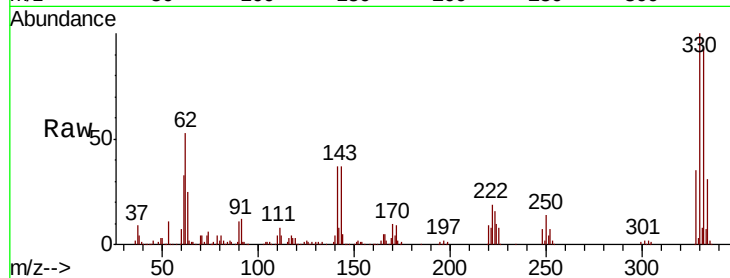
Tot Ion:166 Resp: 19490

Ion Ratio Lower Upper

166 100

165 101.6 76.5 114.7

167 34.8 11.0 16.4#

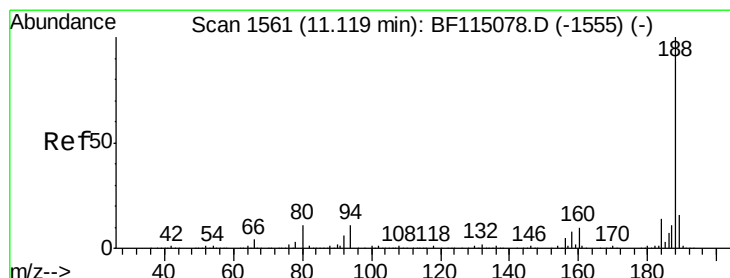
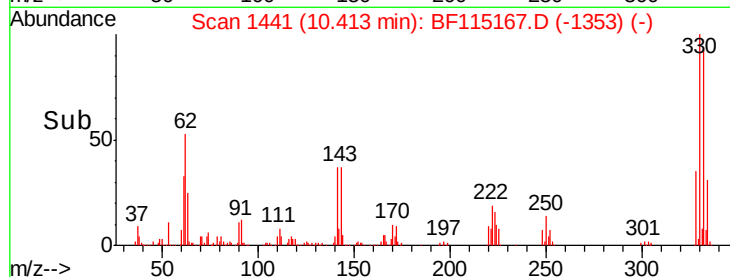
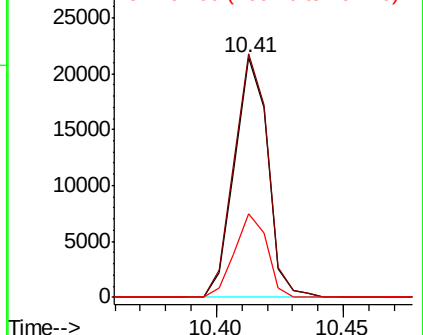


Abundance

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: BF115167.D

Acq: 25 Jun 2019 00:21

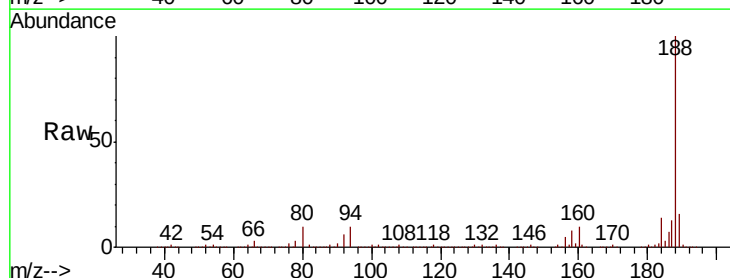
Tgt Ion:188 Resp: 1018420

Ion Ratio Lower Upper

188 100

94 9.5 8.6 12.8

80 10.0 8.8 13.2

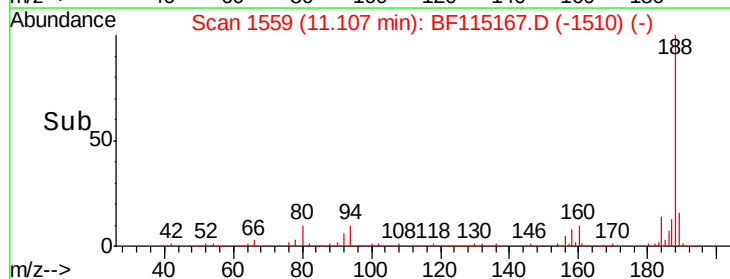
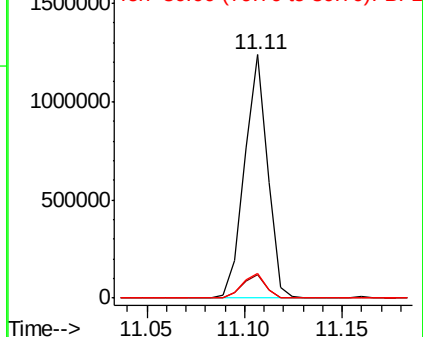


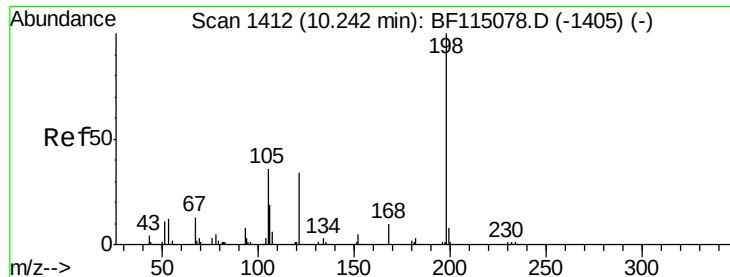
Abundance

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: 5.099 ng

RT: 10.41 min Scan# 1441

Delta R.T. 0.17 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

Instrument :

BNA_F

ClientSampled :

B-3(9-10)

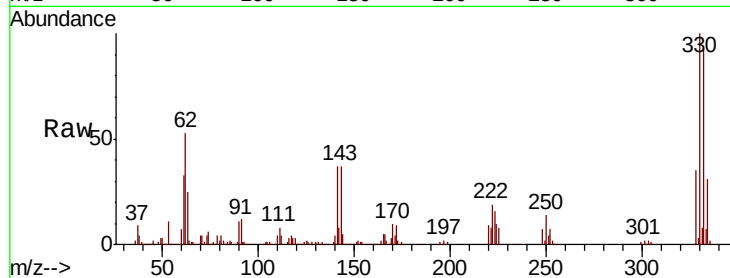
Tot Ion:198 Resp: 838

Ion Ratio Lower Upper

198 100

51 160.6 11.0 51.0#

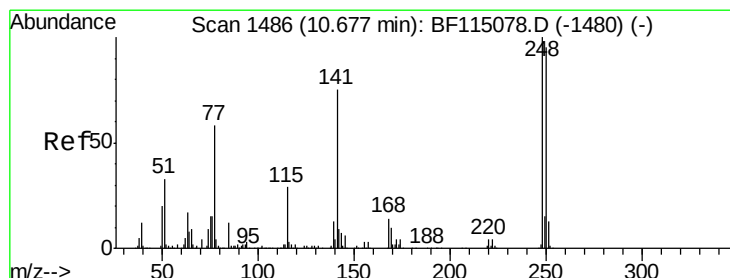
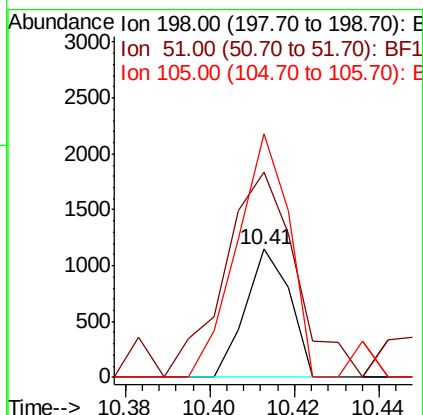
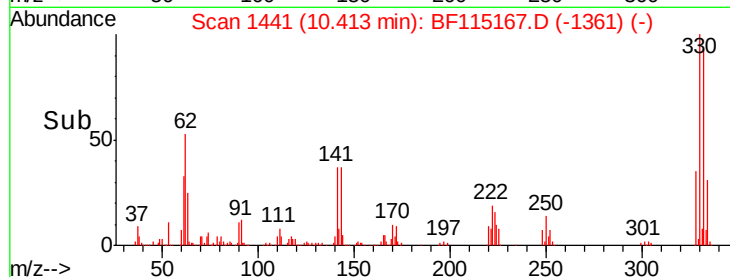
105 190.5 17.3 57.3#



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: 2.381 ng

RT: 10.41 min Scan# 1441

Delta R.T. -0.26 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

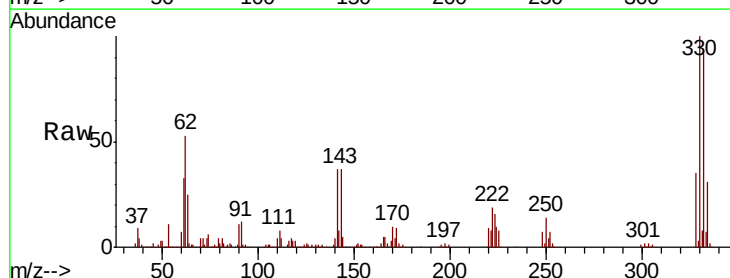
Tgt Ion:248 Resp: 26287

Ion Ratio Lower Upper

248 100

250 212.4 76.2 114.2#

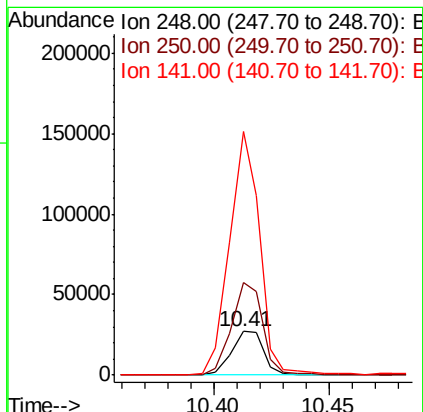
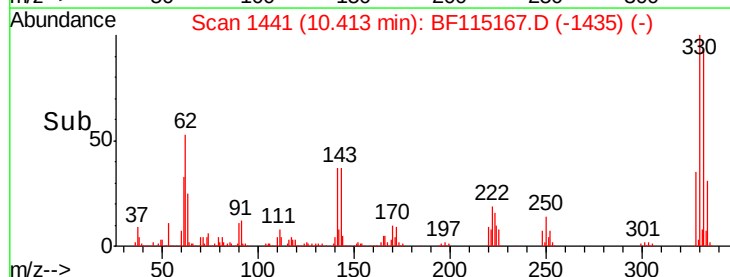
141 556.6 59.6 89.4#

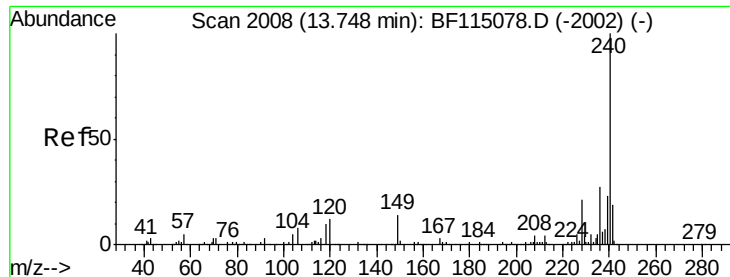


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF115167.D

Acq: 25 Jun 2019 00:21

Instrument :

BNA_F

ClientSampleId :

B-3(9-10)

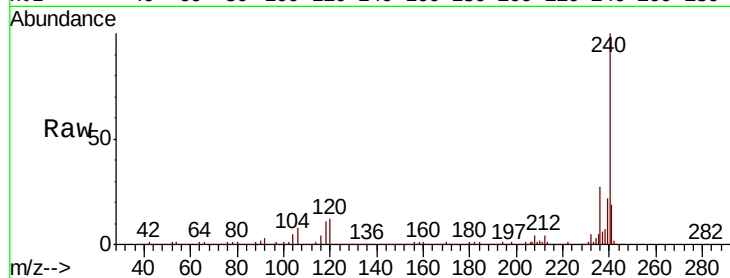
Tot Ion:240 Resp: 786043

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

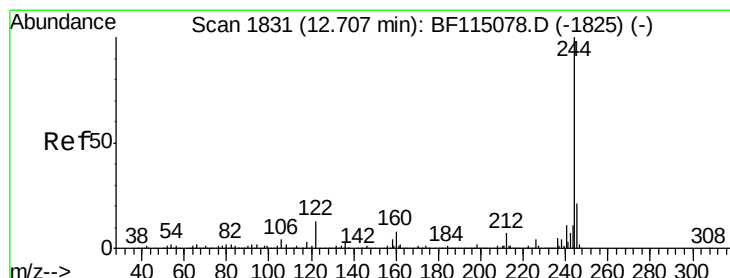
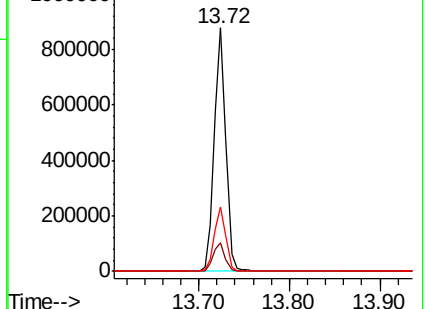
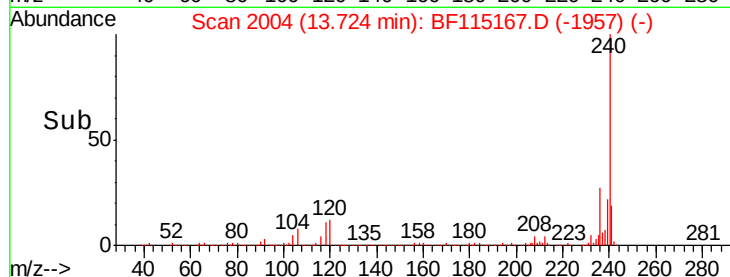
236 26.6 21.7 32.5



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: 56.803 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115167.D

Acq: 25 Jun 2019 00:21

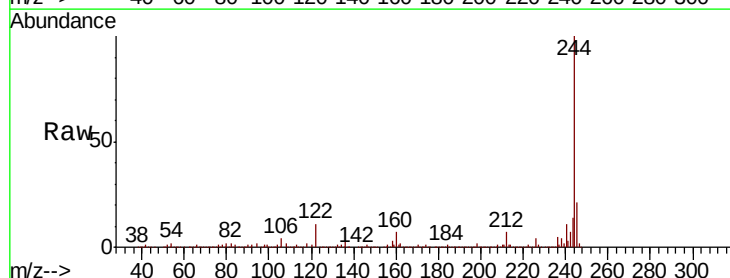
Tgt Ion:244 Resp: 2100001

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

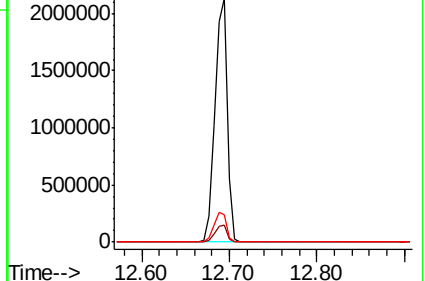
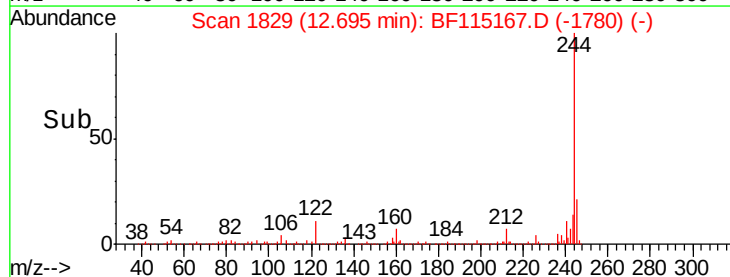
122 11.2 10.4 15.6

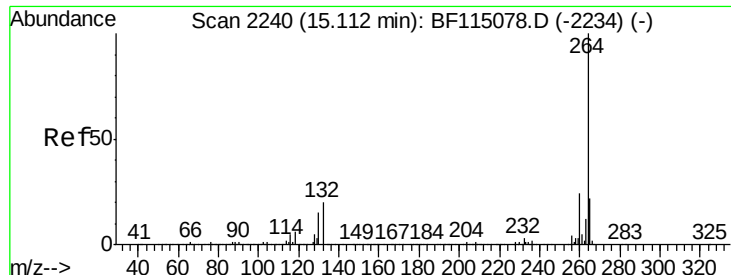


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

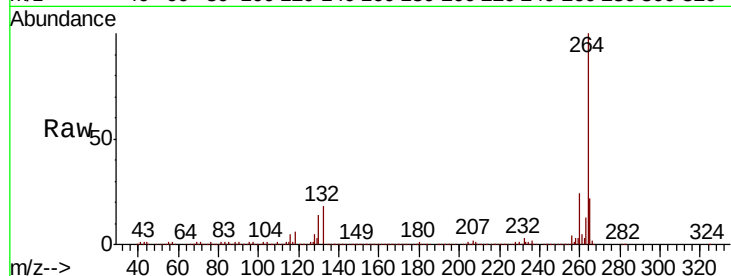




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.09 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF115167.D
 Acq: 25 Jun 2019 00:21

Instrument :
 BNA_F
 ClientSampleId :
 B-3(9-10)

Tot Ion:	264	Resp:	667767
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.0	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 800000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

