

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115166.D
 Acq On : 24 Jun 2019 23:54
 Operator : HP/JU
 Sample : K3500-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8(9-10)

Quant Time: Jun 25 07:44:43 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

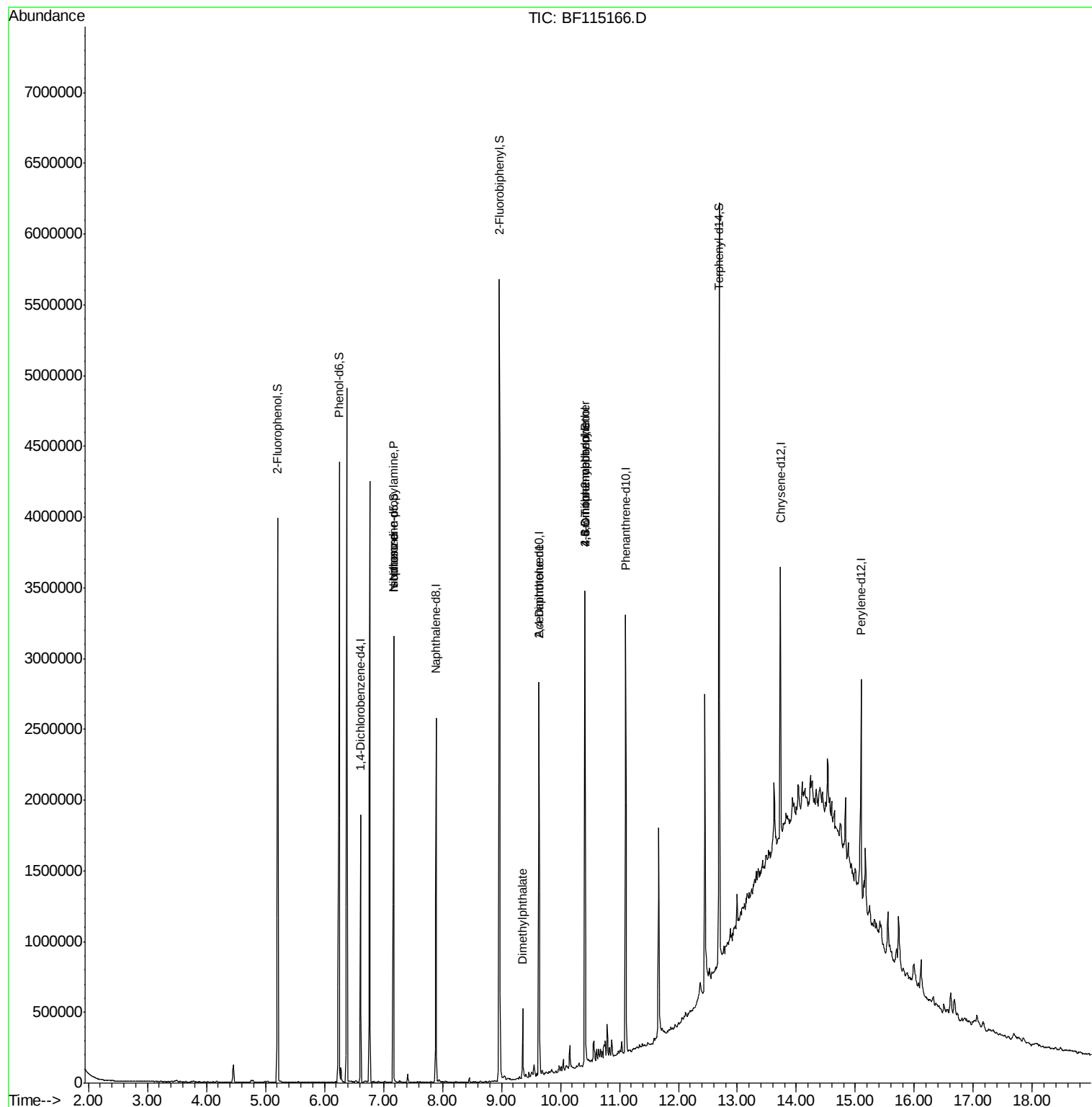
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	278141	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1062392	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	532671	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1047526	20.00	ng	-0.01
76) Chrysene-d12	13.73	240	712787	20.00	ng	-0.02
87) Perylene-d12	15.09	264	648322	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1323148	73.41	ng	0.00
7) Phenol-d6	6.25	99	1629497	74.49	ng	0.00
23) Nitrobenzene-d5	7.17	82	971501	56.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	466027	82.96	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1806177	57.60	ng	-0.02
79) Terphenyl-d14	12.69	244	1997280	59.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	128522	9.176	ng	# 77
25) Isophorone	7.17	82	962180	27.196	ng	# 63
50) Dimethylphthalate	9.36	163	182272	4.651	ng	# 98
57) 2,4-Dinitrotoluene	9.64	165	71805	6.146	ng	# 30
58) Fluorene	10.18	166	868	Below Cal	#	59
61) 4-Chlorophenyl-phenylether	10.20	204	429	Below Cal	#	1
65) 4,6-Dinitro-2-methylphenol	10.42	198	1010	5.122	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	28515	2.511	ng	# 1

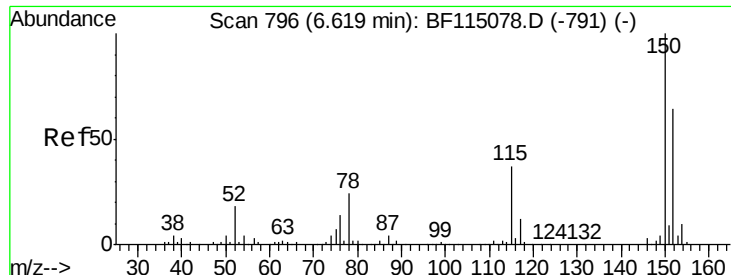
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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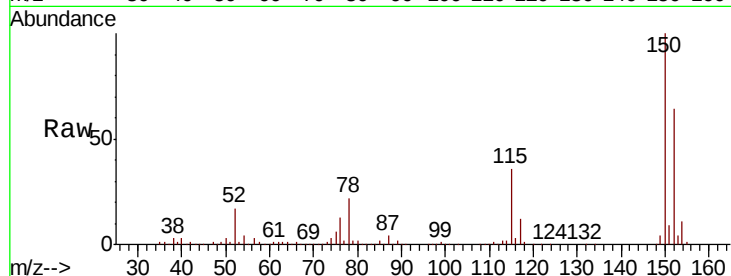


#1

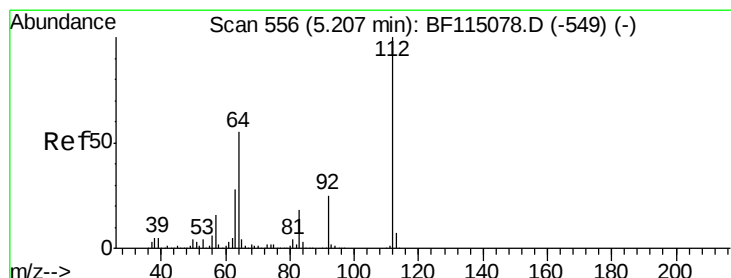
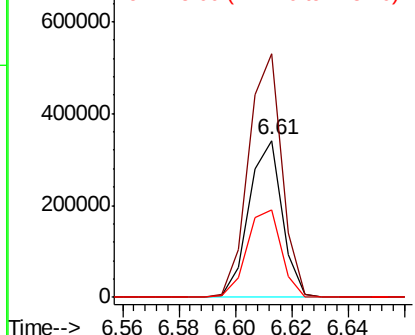
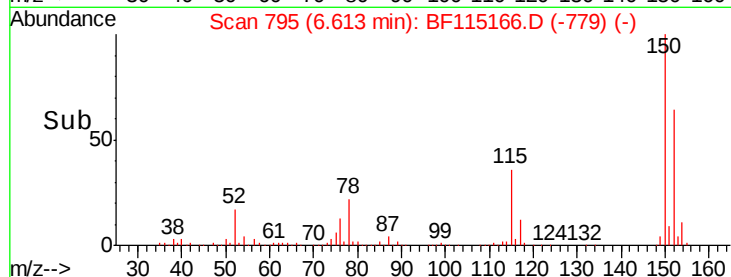
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Instrument :
BNA_F
ClientSampleId :
B-8(9-10)

Tot Ion:152 Resp: 278141
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.2
115 55.7 46.1 69.1



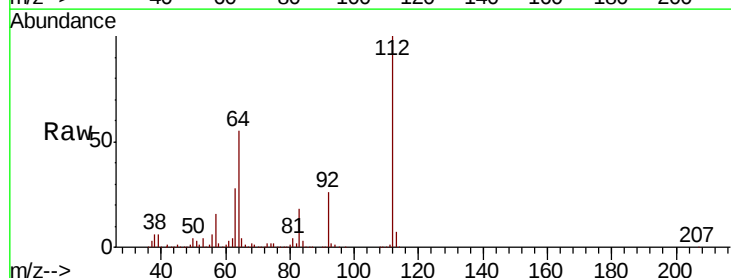
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



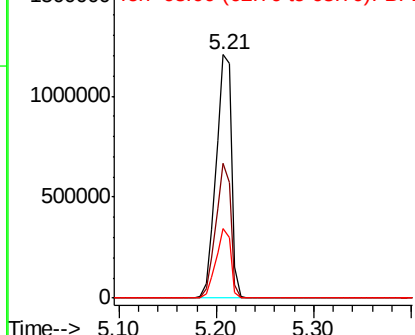
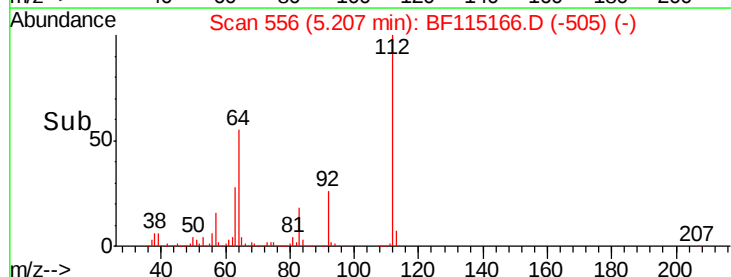
#5

2-Fluorophenol
Concen: 73.410 ng
RT: 5.21 min Scan# 556
Delta R.T. -0.00 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Tgt Ion:112 Resp: 1323148
Ion Ratio Lower Upper
112 100
64 55.4 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: 74.485 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

Instrument :

BNA_F

ClientSampleId :

B-8(9-10)

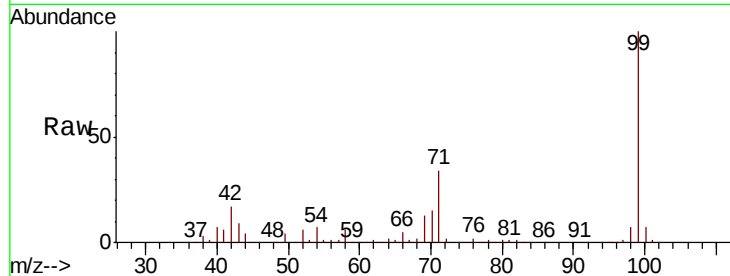
Tot Ion: 99 Resp: 1629497

Ion Ratio Lower Upper

99 100

42 17.2 13.6 20.4

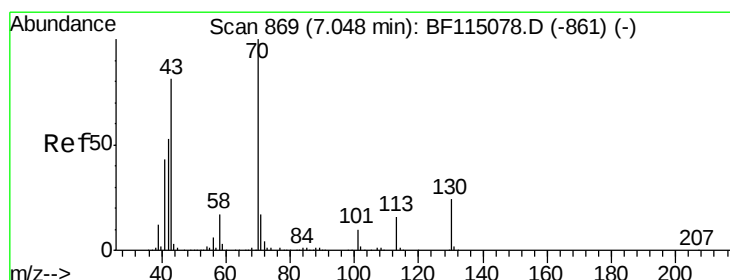
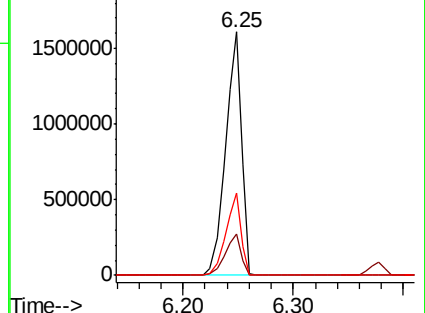
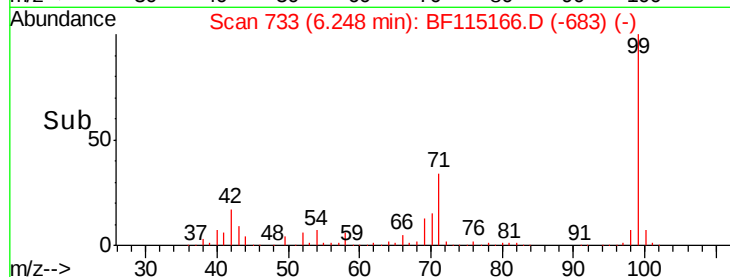
71 33.6 25.5 38.3



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: 9.176 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

Tgt Ion: 70 Resp: 128522

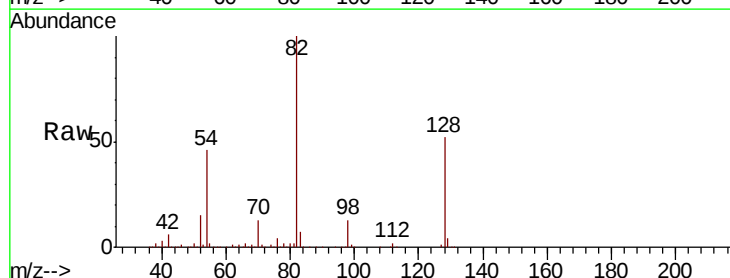
Ion Ratio Lower Upper

70 100

42 43.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.8 19.4 29.0#

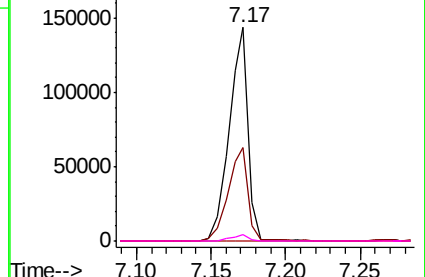
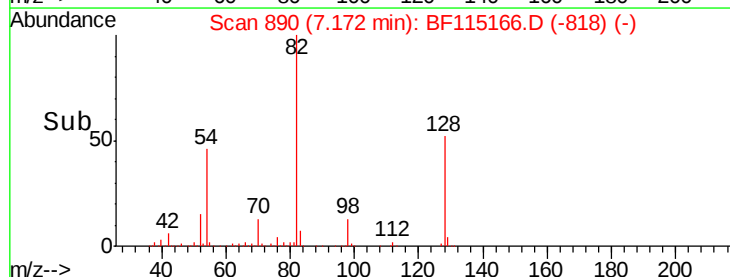


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

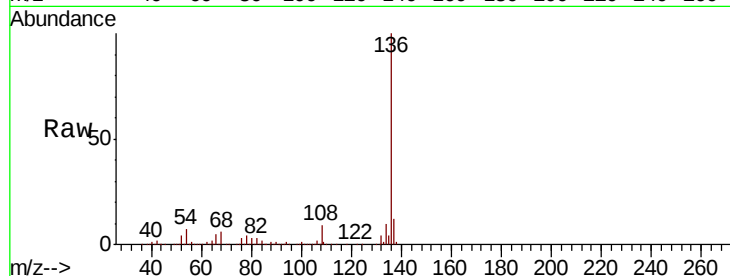




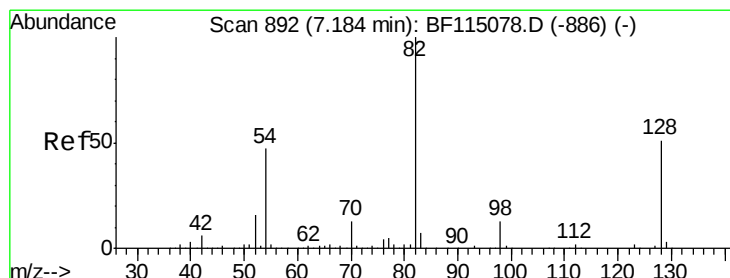
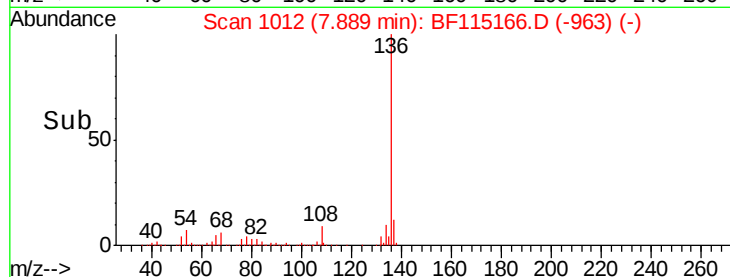
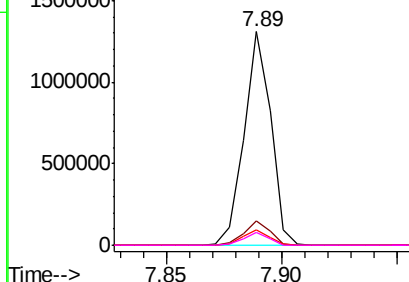
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Instrument :
BNA_F
ClientSampleId :
B-8(9-10)

Tot Ion:136	Resp: 1062392
Ion Ratio	Lower Upper
136 100	
137 11.5	8.9 13.3
54 7.2	5.6 8.4
68 6.2	4.8 7.2

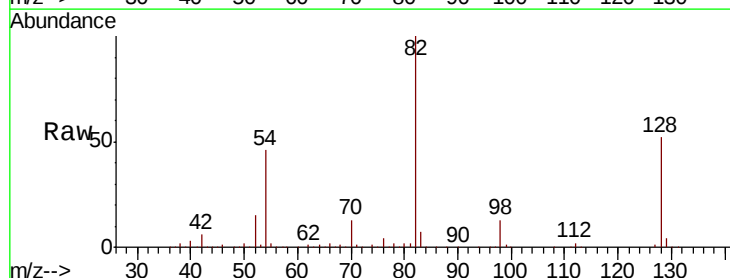


Abundance Ion 136.00 (135.70 to 136.70): E
2000000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

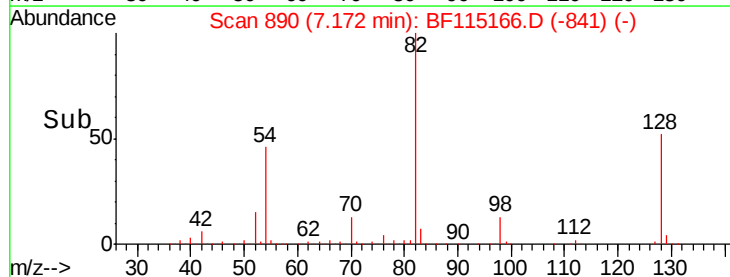
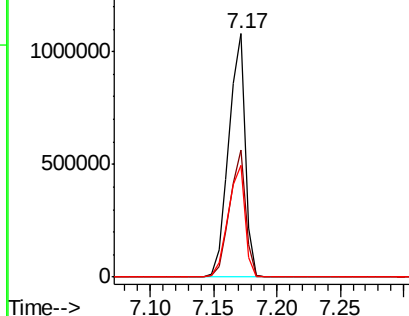


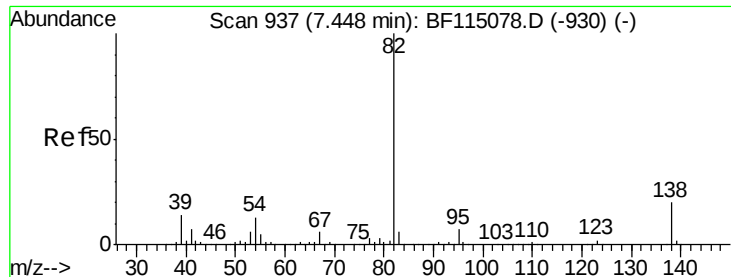
#23
Nitrobenzene-d5
Concen: 56.253 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Tgt Ion: 82	Resp: 971501
Ion Ratio	Lower Upper
82 100	
128 52.1	40.4 60.6
54 46.0	37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000 Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.196 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

Instrument :

BNA_F

ClientSampled :

B-8(9-10)

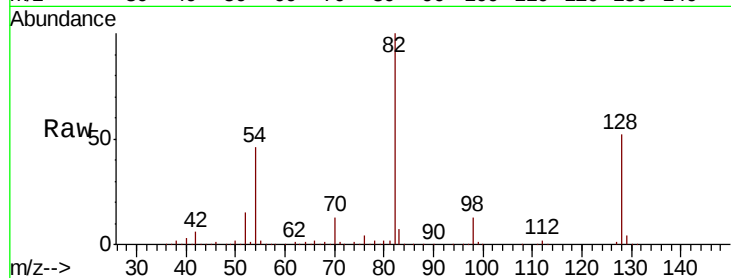
Tot Ion: 82 Resp: 962180

Ion Ratio Lower Upper

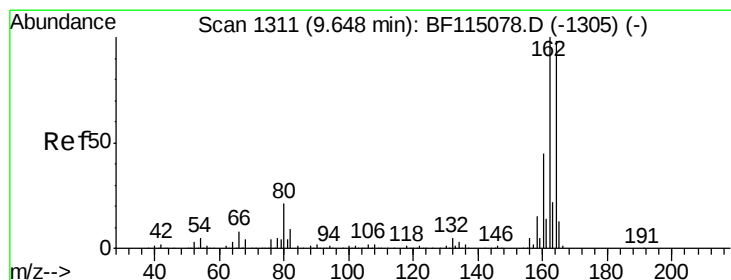
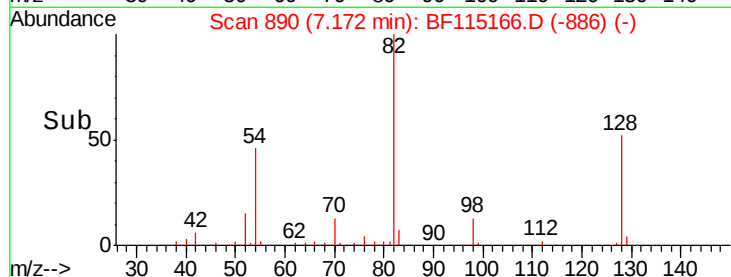
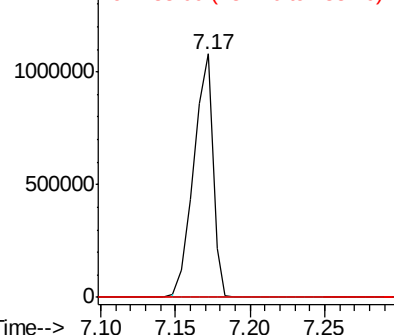
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

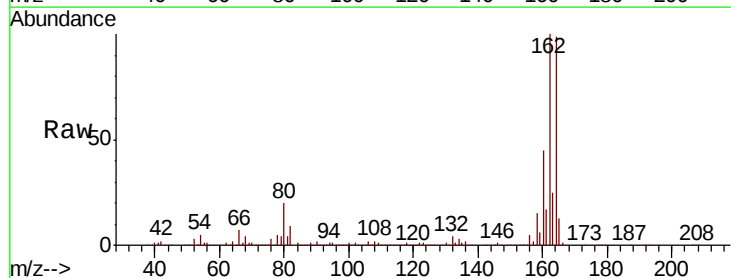
Tgt Ion:164 Resp: 532671

Ion Ratio Lower Upper

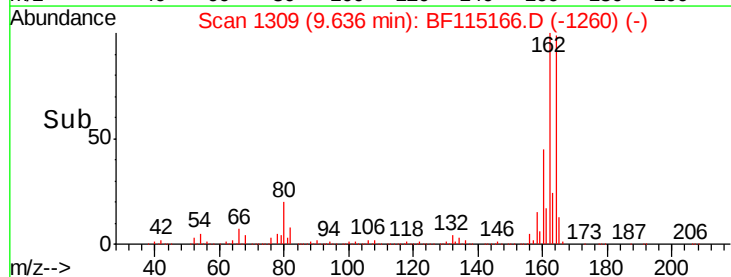
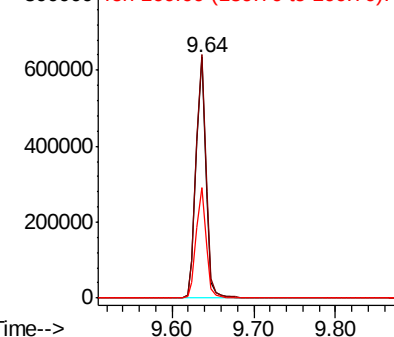
164 100

162 101.2 81.7 122.5

160 45.7 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

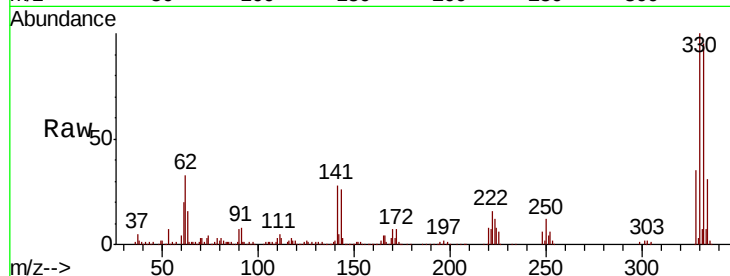




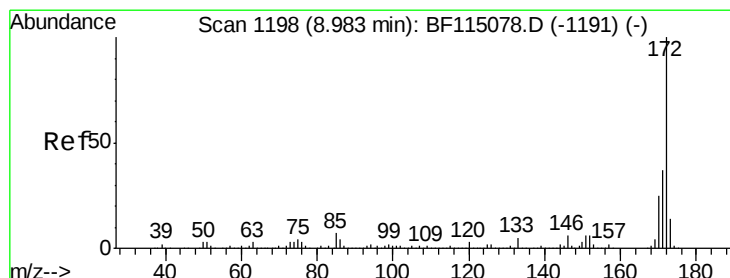
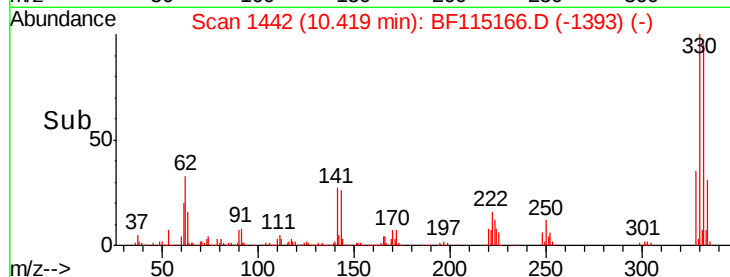
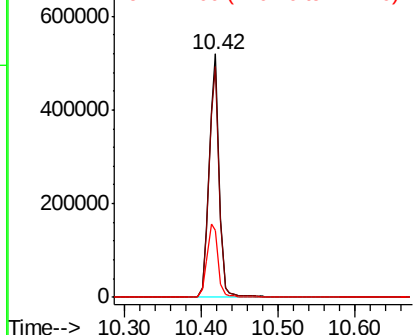
#42
 2,4,6-Tribromophenol
 Concen: 82.964 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115166.D
 Acq: 24 Jun 2019 23:54

Instrument :
 BNA_F
 ClientSampleId :
 B-8(9-10)

Tot Ion:330 Resp: 466027
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 33.0 28.2 42.2

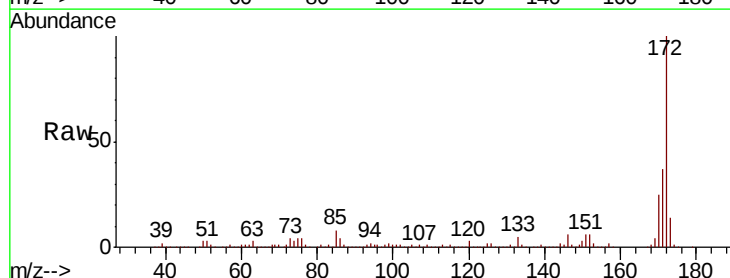


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

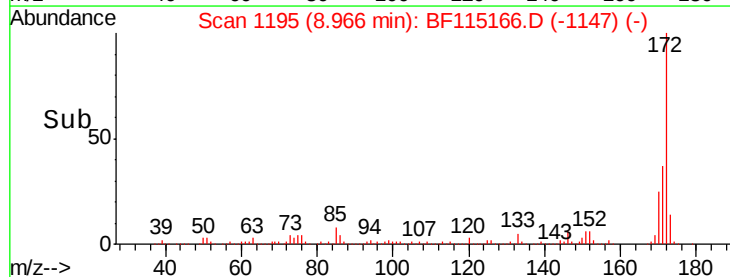
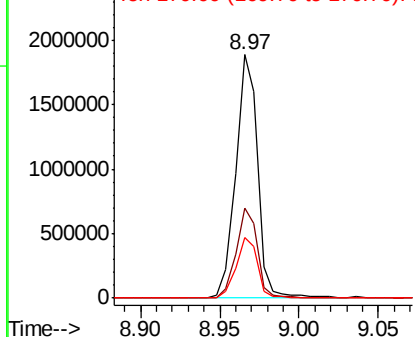


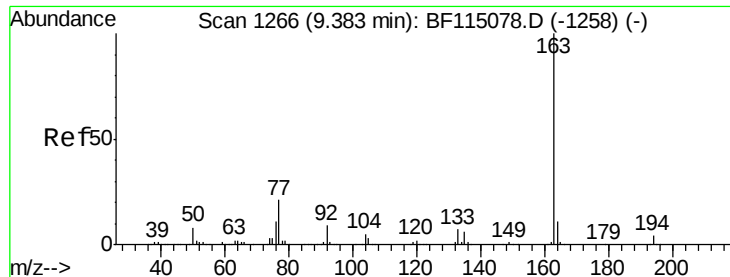
#45
 2-Fluorobiphenyl
 Concen: 57.597 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115166.D
 Acq: 24 Jun 2019 23:54

Tgt Ion:172 Resp: 1806177
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 25.1 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

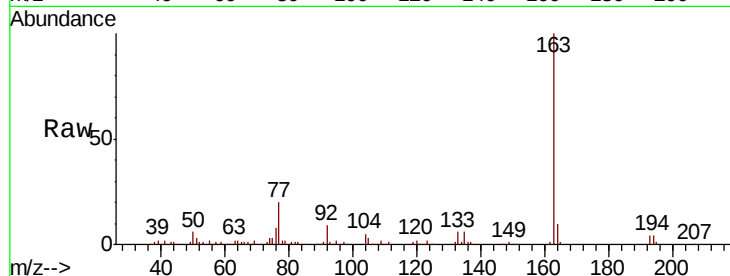




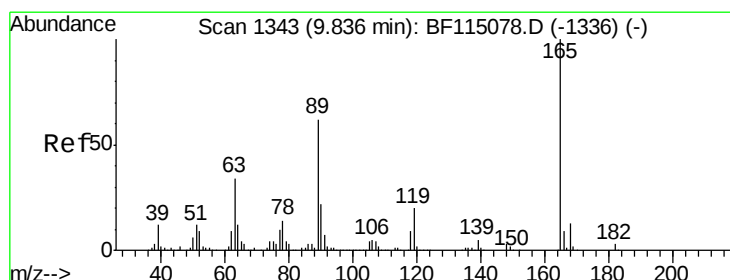
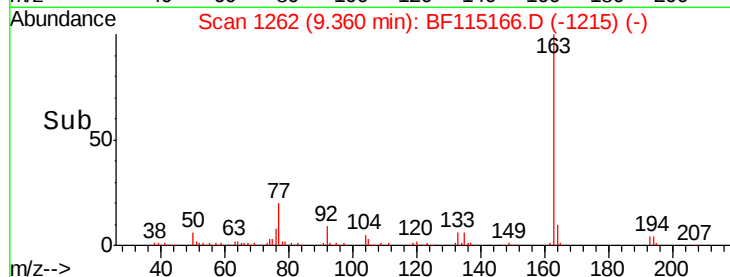
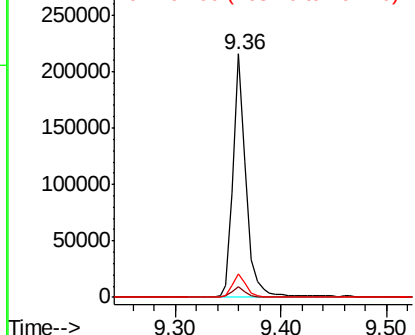
#50
Dimethylphthalate
Concen: 4.651 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Instrument :
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B-8(9-10)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	9.7	8.6	13.0



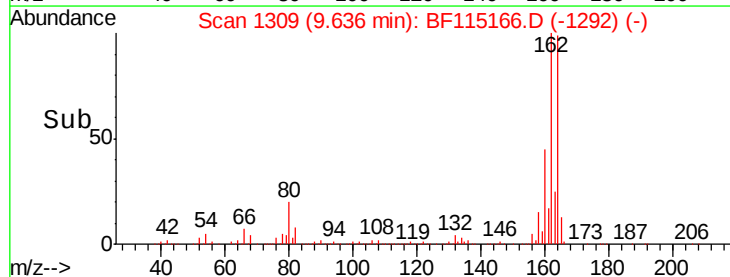
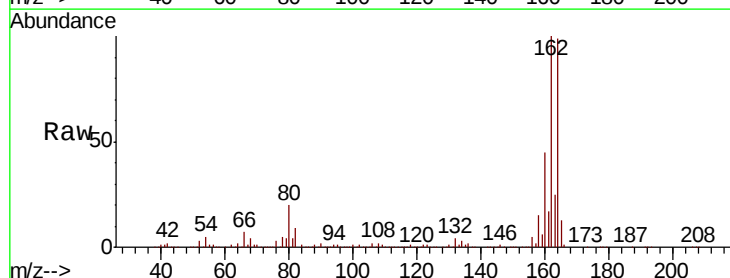
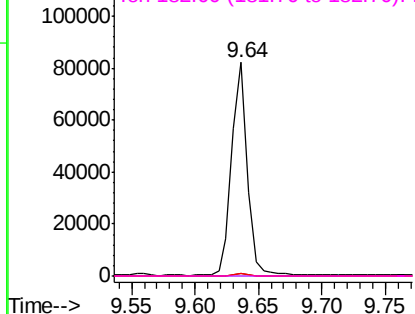
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

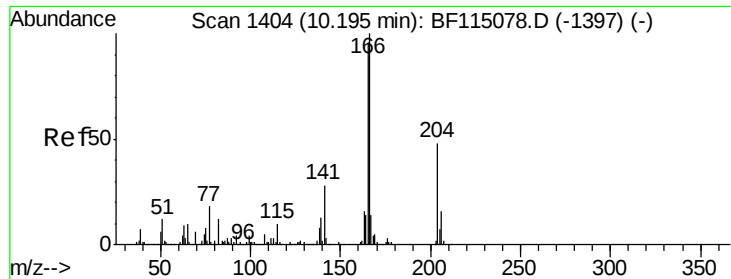


#57
2,4-Dinitrotoluene
Concen: 6.146 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

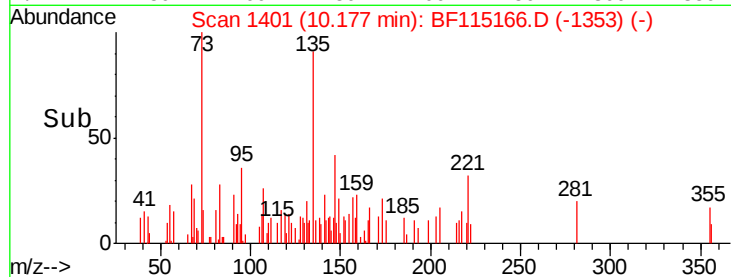
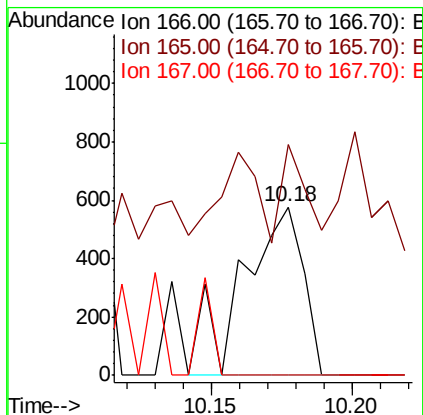
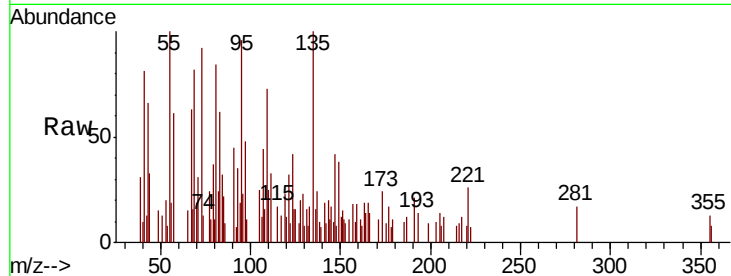




#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF115166.D
 Acq: 24 Jun 2019 23:54

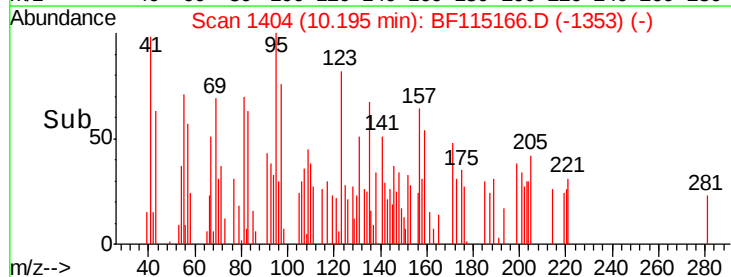
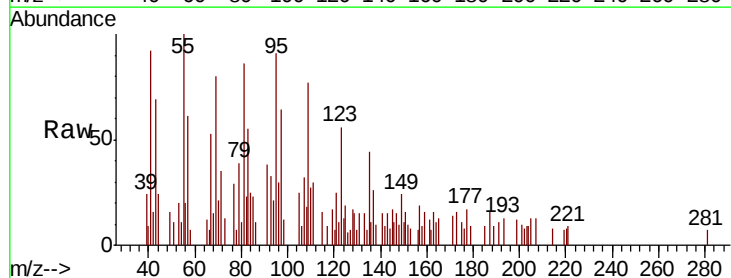
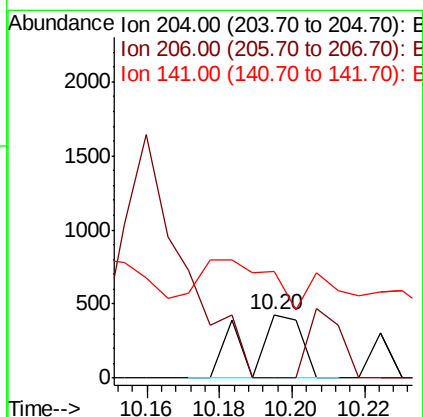
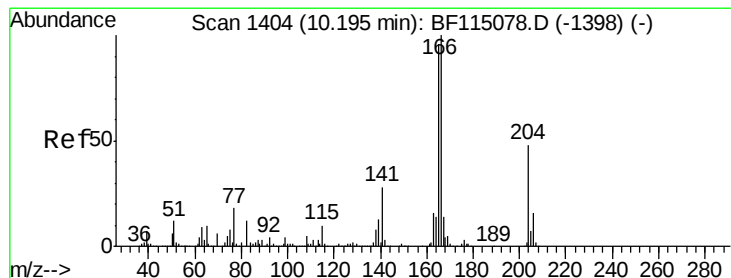
Instrument :
 BNA_F
 ClientSampleId :
 B-8(9-10)

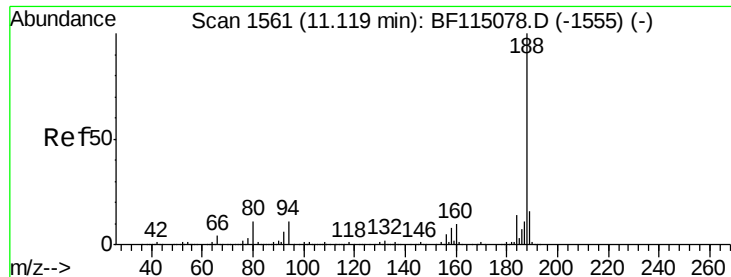
Tot Ion:166 Resp: 868
 Ion Ratio Lower Upper
 166 100
 165 137.0 76.5 114.7#
 167 0.0 11.0 16.4#



#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.20 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: BF115166.D
 Acq: 24 Jun 2019 23:54

Tgt Ion:204 Resp: 429
 Ion Ratio Lower Upper
 204 100
 206 0.0 26.6 40.0#
 141 168.1 46.7 70.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

Instrument :

BNA_F

ClientSampleId :

B-8(9-10)

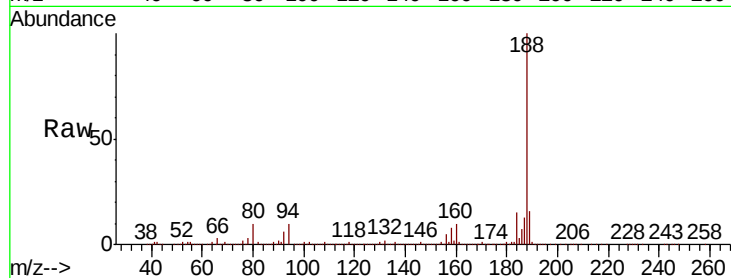
Tot Ion:188 Resp: 1047526

Ion Ratio Lower Upper

188 100

94 9.7 8.6 12.8

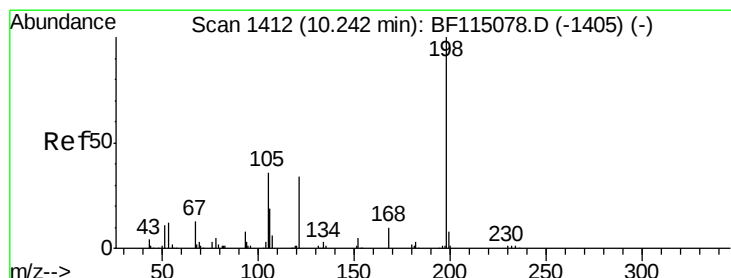
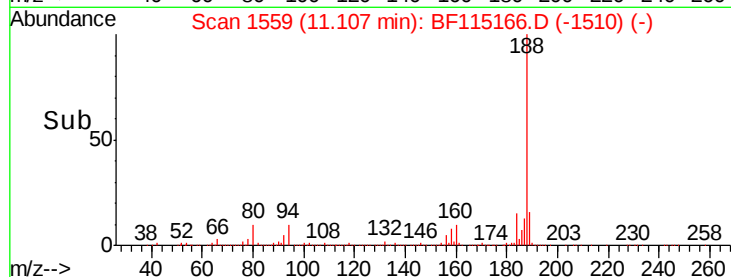
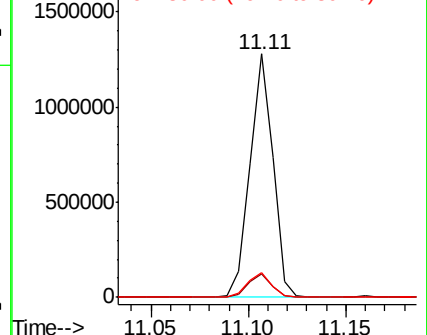
80 10.1 8.8 13.2



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: 5.122 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

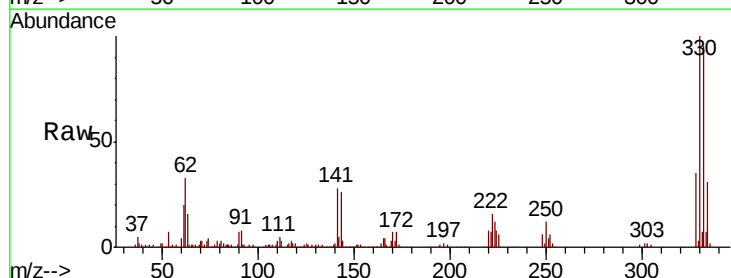
Tgt Ion:198 Resp: 1010

Ion Ratio Lower Upper

198 100

51 161.4 11.0 51.0#

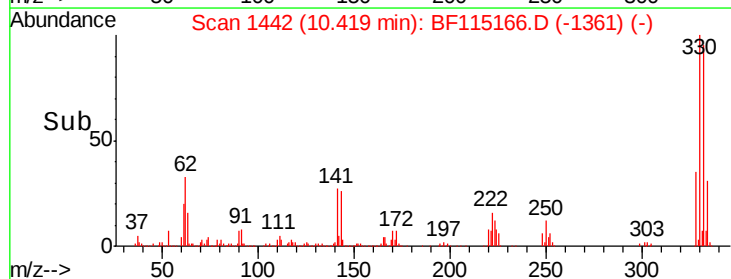
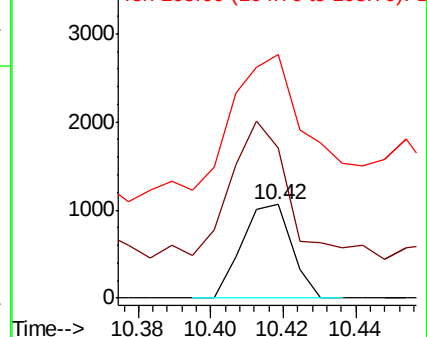
105 261.0 17.3 57.3#

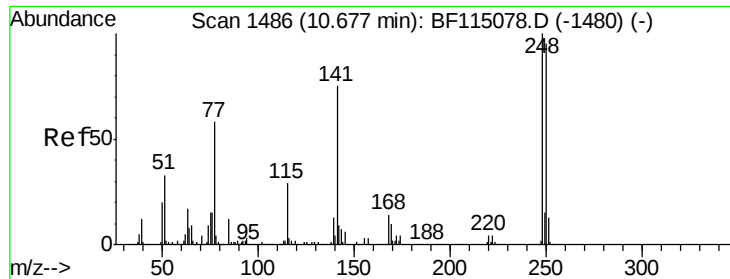


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

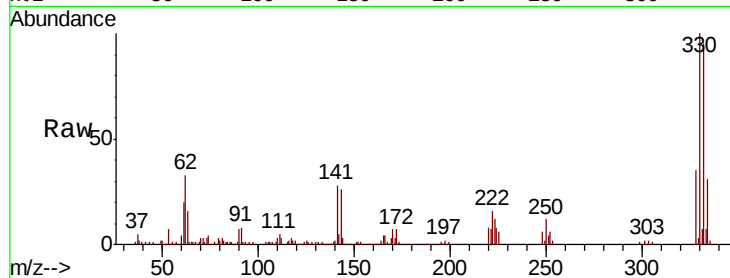




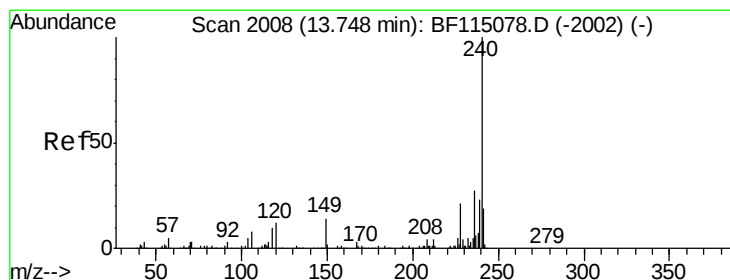
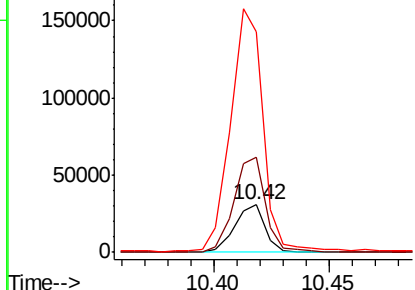
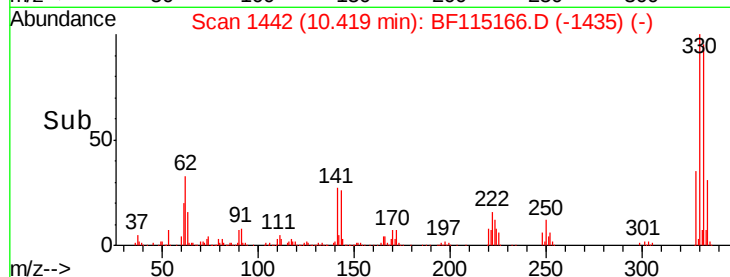
#67
4-Bromophenyl-phenylether
Concen: 2.511 ng
RT: 10.42 min Scan# 1442
Delta R.T. -0.26 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Instrument :
BNA_F
ClientSampleId :
B-8(9-10)

Tot Ion:248 Resp: 28515
Ion Ratio Lower Upper
248 100
250 201.6 76.2 114.2#
141 467.3 59.6 89.4#

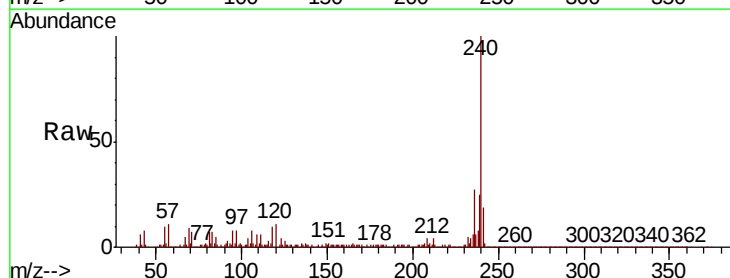


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

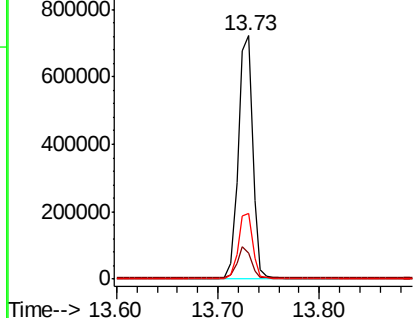
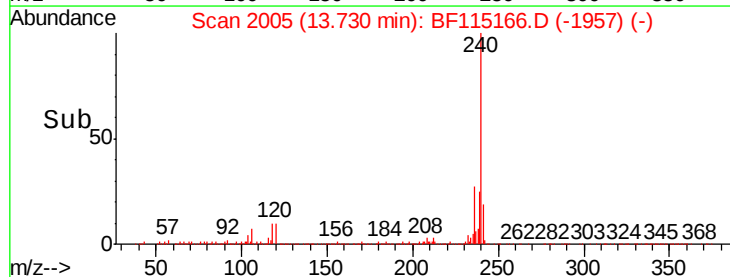


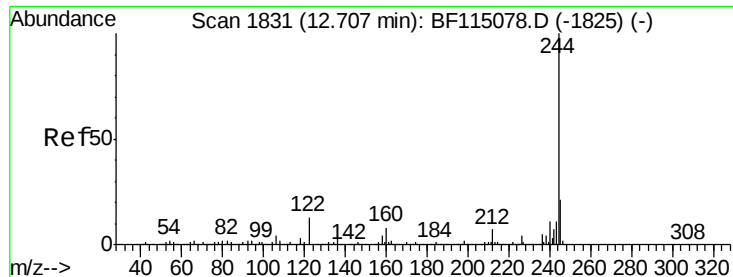
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.73 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF115166.D
Acq: 24 Jun 2019 23:54

Tgt Ion:240 Resp: 712787
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 27.1 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: 59.576 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

Instrument :

BNA_F

ClientSampleId :

B-8(9-10)

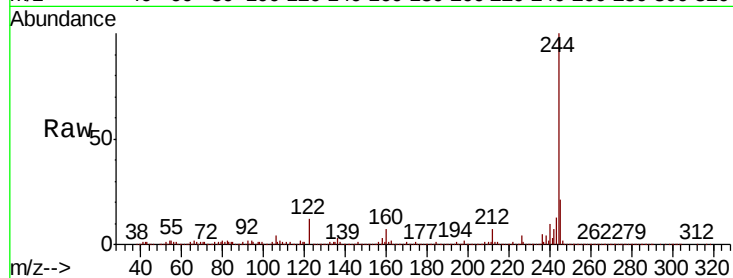
Tot Ion:244 Resp: 1997280

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

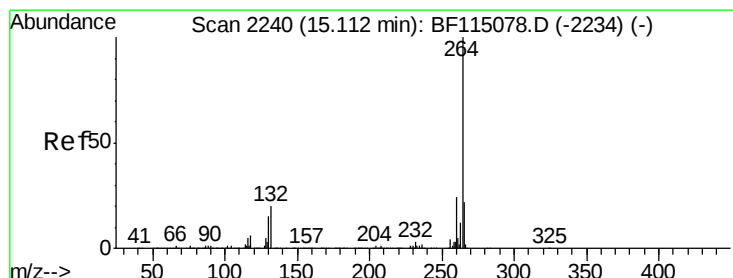
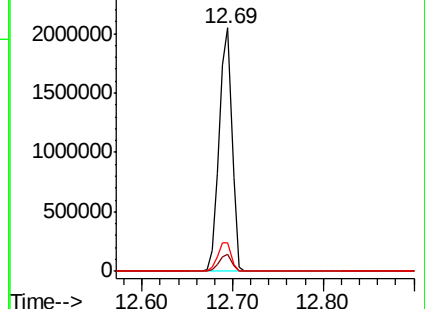
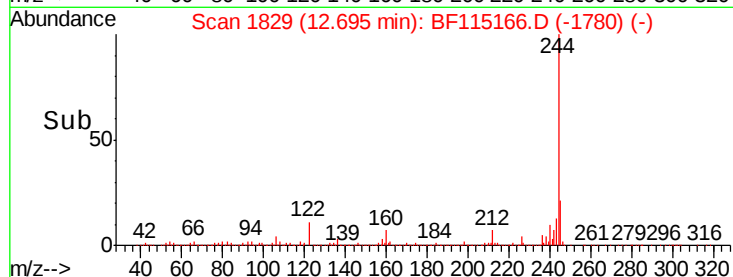
122 11.5 10.4 15.6



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# 2237

Delta R.T. -0.02 min

Lab File: BF115166.D

Acq: 24 Jun 2019 23:54

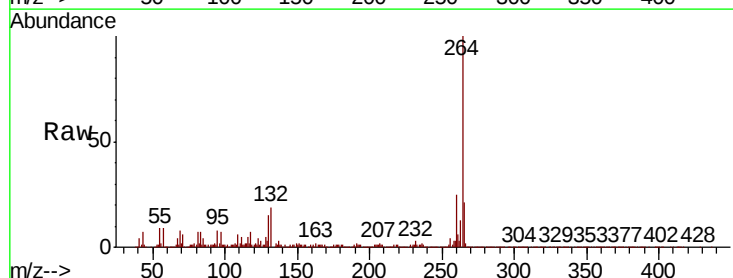
Tgt Ion:264 Resp: 648322

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 21.5 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

