

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062619\
 Data File : BF115209.D
 Acq On : 26 Jun 2019 8:54
 Operator : HP/JU
 Sample : K3309-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

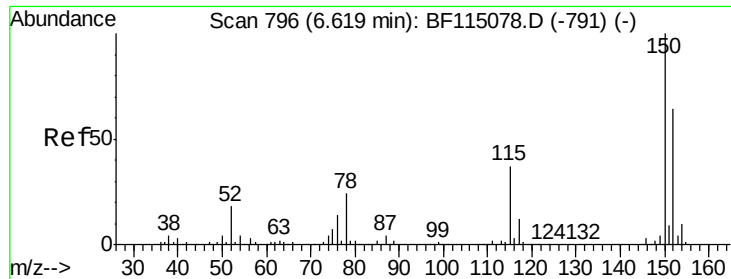
Quant Time: Jun 26 12:11:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	286293	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1081531	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	546724	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1093046	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	933559	20.00	ng	-0.02
87) Perylene-d12	15.09	264	917697	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1001446	53.98	ng	0.00
7) Phenol-d6	6.24	99	743834	33.03	ng	-0.01
23) Nitrobenzene-d5	7.17	82	1599732	90.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	733391	127.21	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2810987	87.33	ng	-0.01
79) Terphenyl-d14	12.70	244	3028927	68.98	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.21	88	35577	4.063	ng	95
13) 1,4-Dichlorobenzene	6.62	146	60881	2.622	ng	98
19) n-Nitroso-di-n-propylamine	7.17	70	216758	15.036	ng	# 78
25) Isophorone	7.17	82	1584062	43.982	ng	# 63
37) 2-Methylnaphthalene	8.70	142	77784	2.173	ng	93
38) 1-Methylnaphthalene	8.70	142	77784	2.275	ng	98
51) 2,6-Dinitrotoluene	9.64	165	72889	7.849	ng	# 29
52) Acenaphthene	9.67	154	341276	9.865	ng	99
57) 2,4-Dinitrotoluene	9.64	165	72889	6.079	ng	# 31
58) Fluorene	10.18	166	306056	3.128	ng	97
61) 4-Chlorophenyl-phenylether	10.18	204	116	Below Cal	#	1
65) 4,6-Dinitro-2-methylphenol	10.42	198	1440	5.182	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	47177	3.981	ng	# 1
71) Phenanthrene	11.13	178	133646	2.271	ng	96

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

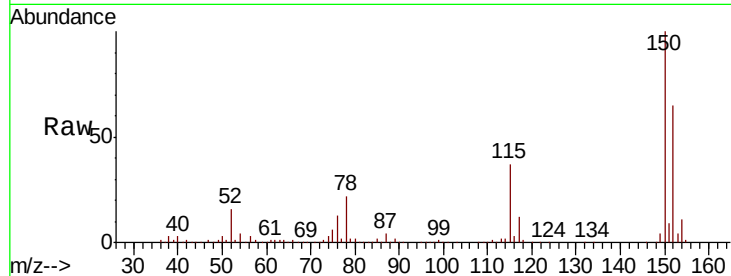


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115209.D
 Acq: 26 Jun 2019 8:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.2	186.2
115	56.2	46.1	69.1

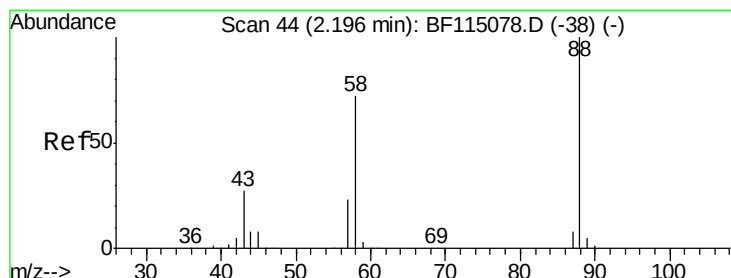
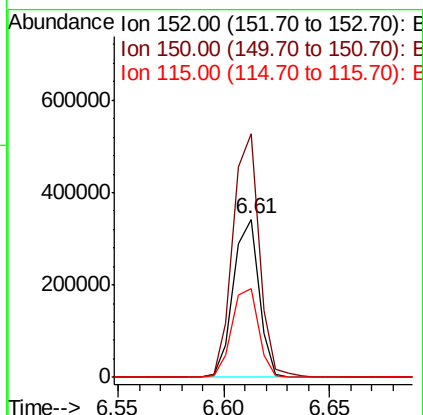
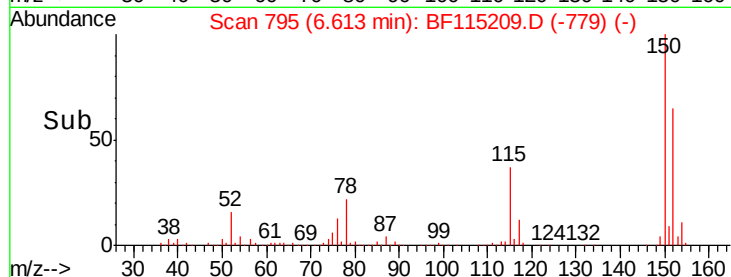


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

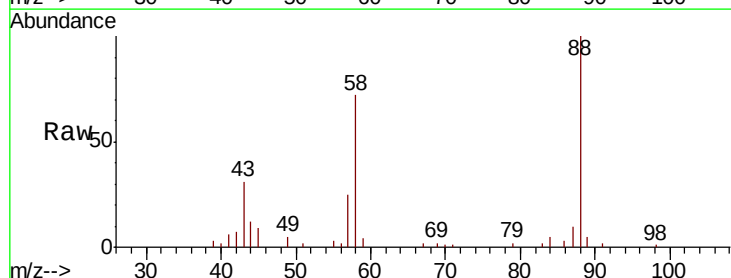
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
 Concen: 4.063 ng
 RT: 2.21 min Scan# 47
 Delta R.T. 0.02 min
 Lab File: BF115209.D
 Acq: 26 Jun 2019 8:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.8	56.1	84.1
43	30.6	21.3	31.9

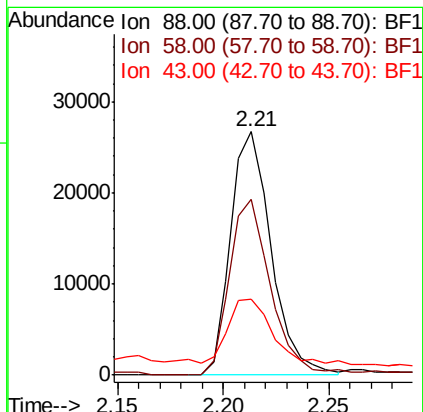
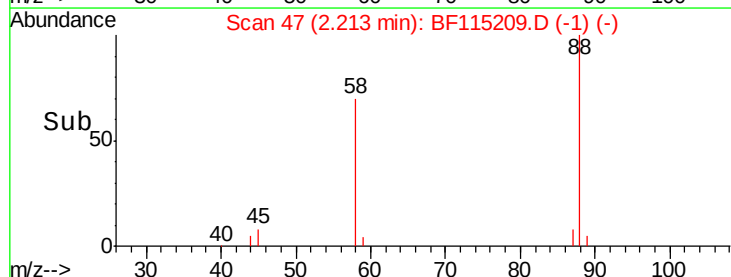


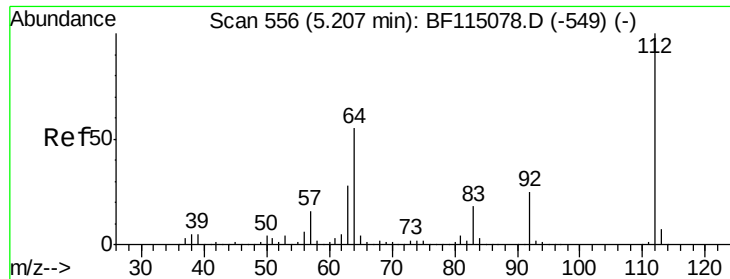
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 53.980 ng

RT: 5.21 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Instrument :

BNA_F

ClientSampled :

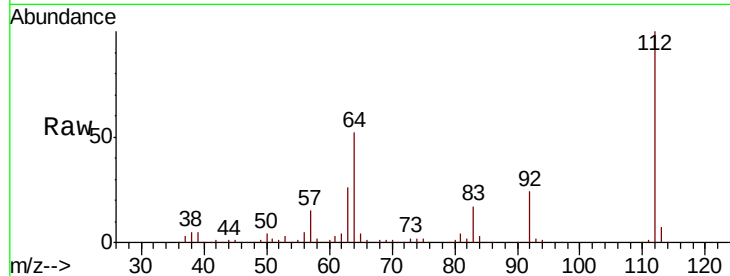
Tot Ion:112 Resp: 1001446

Ion Ratio Lower Upper

112 100

64 52.0 43.8 65.6

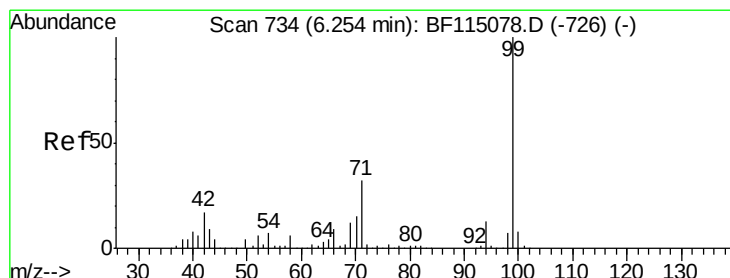
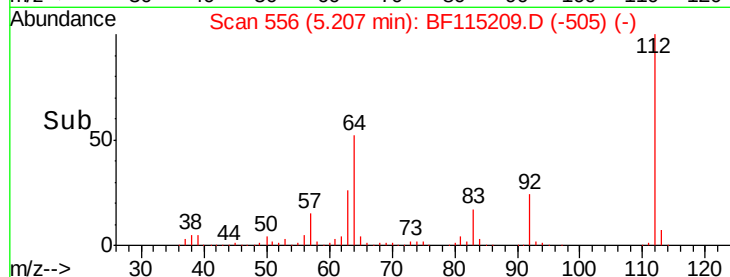
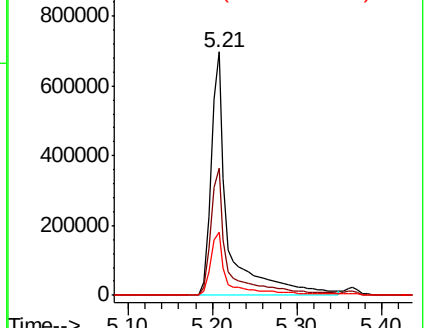
63 25.9 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 33.033 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

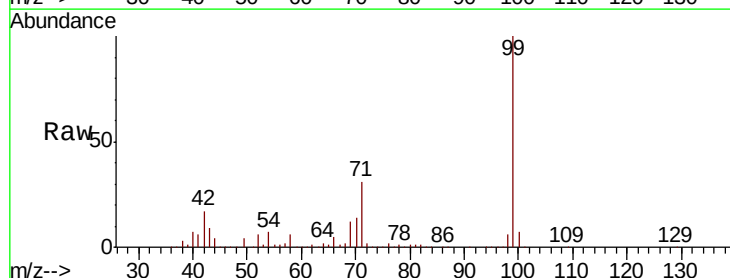
Tgt Ion: 99 Resp: 743834

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

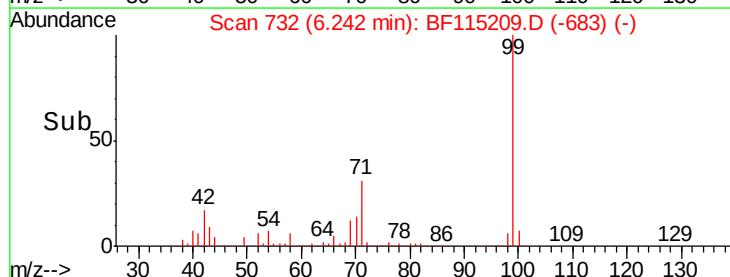
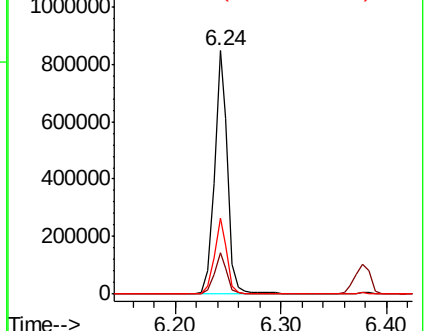
71 31.3 25.5 38.3

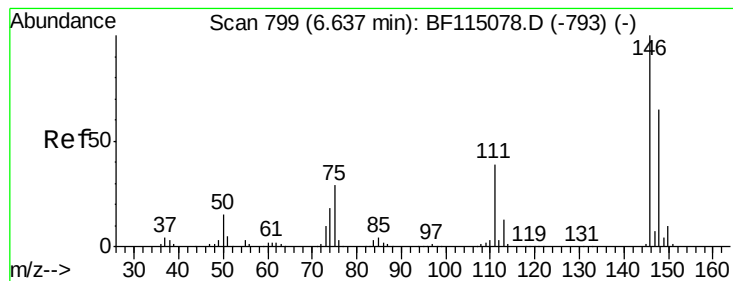


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#13

1,4-Dichlorobenzene

Concen: 2.622 ng

RT: 6.62 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Instrument :

BNA_F

ClientSampleId :

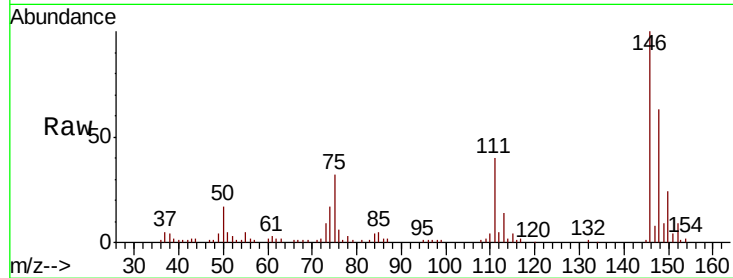
Tot Ion:146 Resp: 60881

Ion Ratio Lower Upper

146 100

148 63.2 51.9 77.9

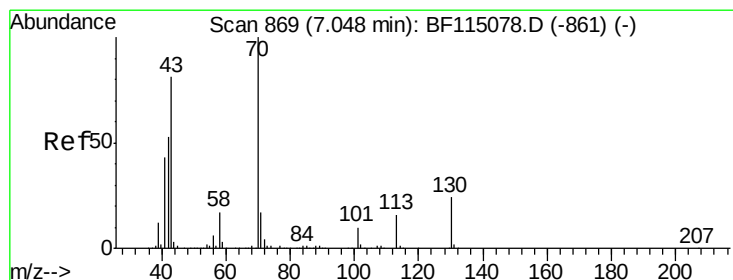
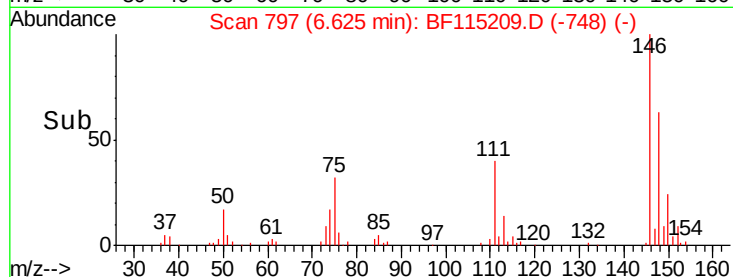
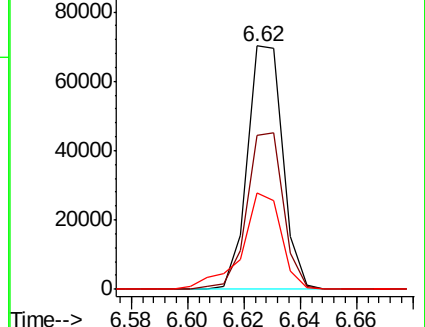
111 39.8 31.4 47.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 15.036 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Tgt Ion: 70 Resp: 216758

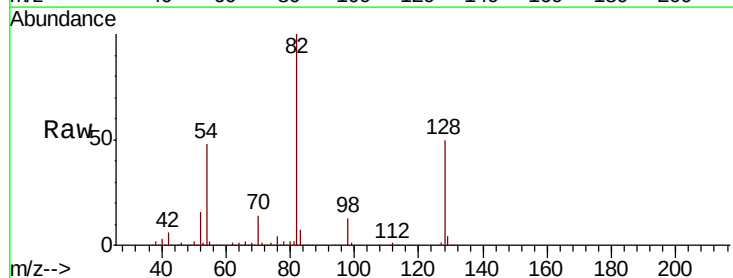
Ion Ratio Lower Upper

70 100

42 45.6 42.6 63.8

101 0.0 8.0 12.0#

130 2.3 19.4 29.0#

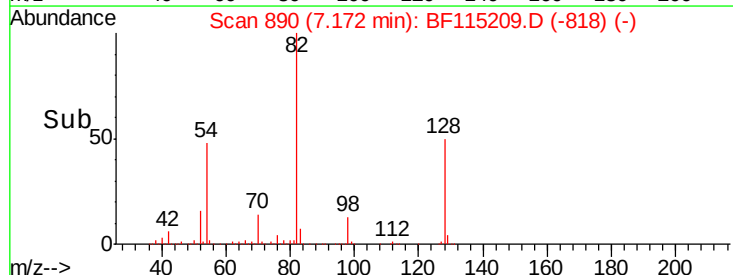
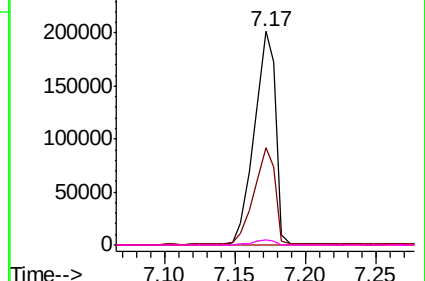


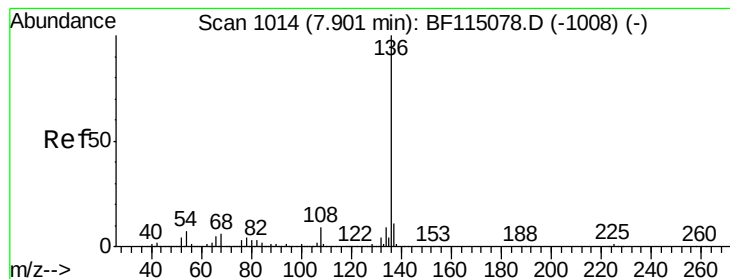
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1081531

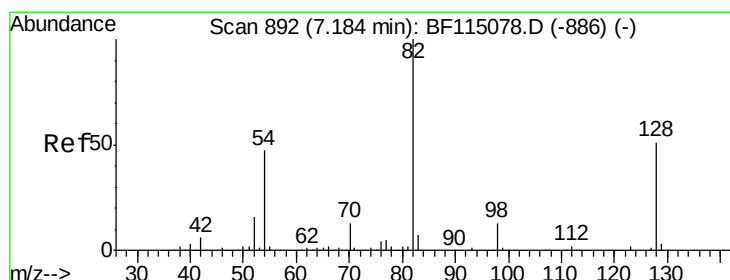
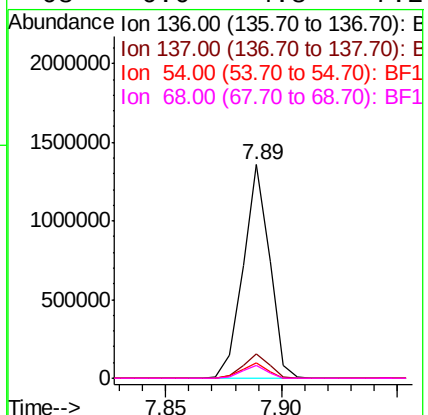
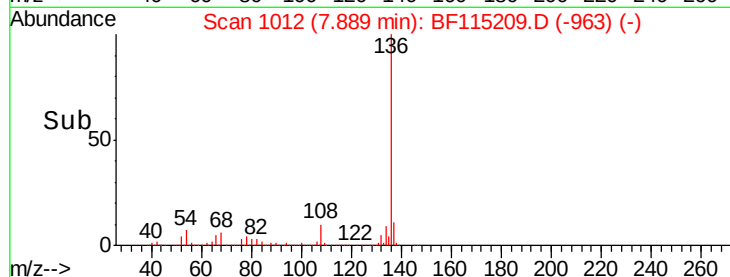
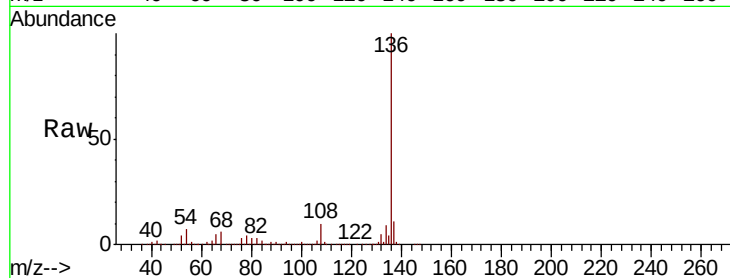
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 5.6 8.4

68 6.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 90.990 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

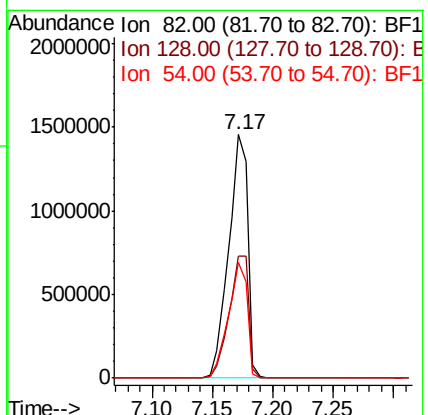
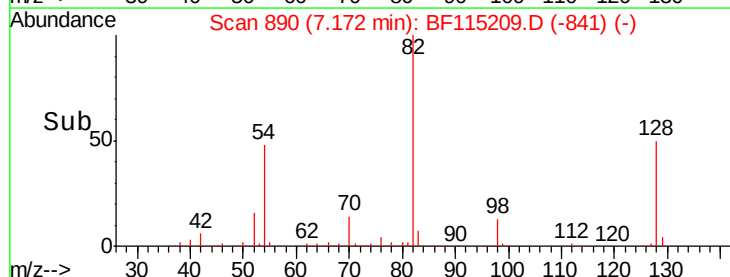
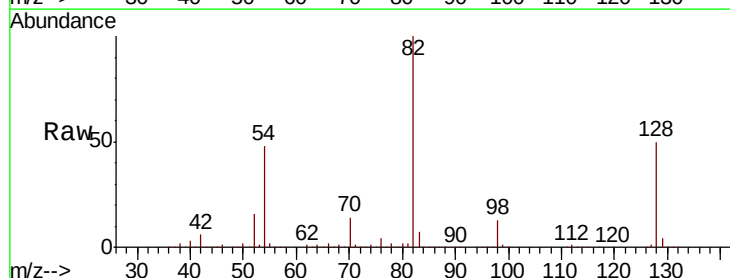
Tgt Ion: 82 Resp: 1599732

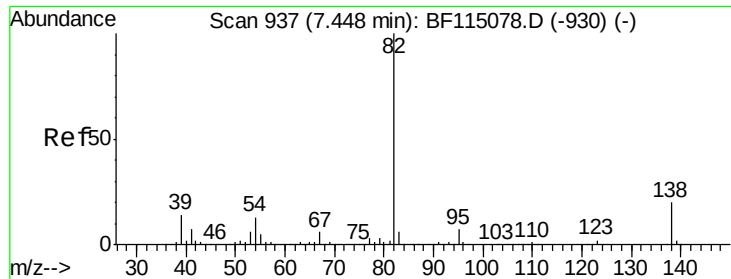
Ion Ratio Lower Upper

82 100

128 50.3 40.4 60.6

54 47.7 37.5 56.3





#25

Isophorone

Concen: 43.982 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Instrument :

BNA_F

ClientSampleId :

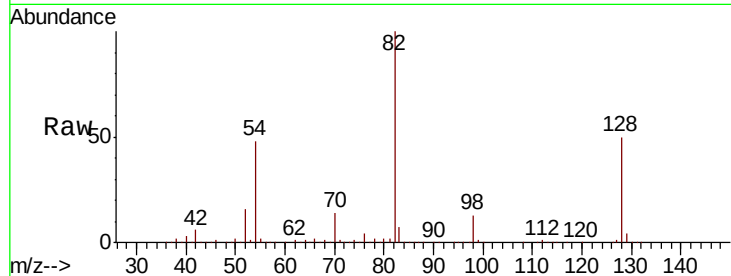
Tot Ion: 82 Resp: 1584062

Ion Ratio Lower Upper

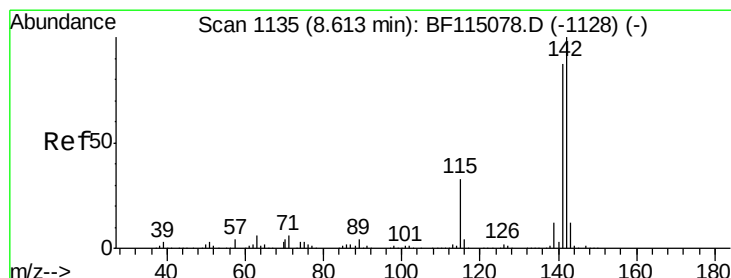
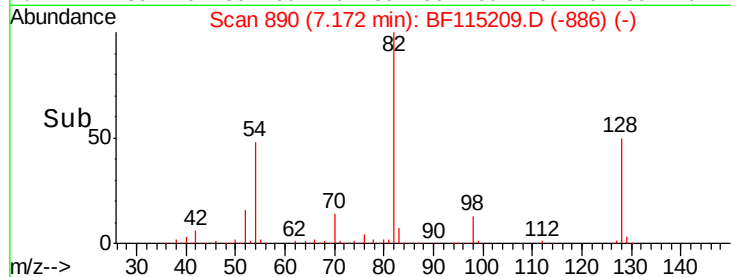
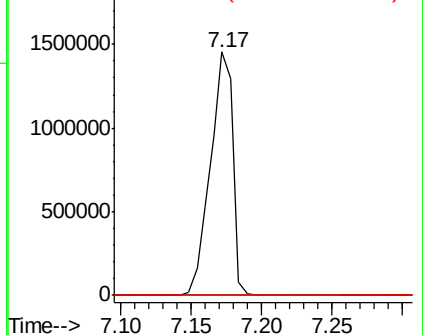
82 100

95 0.0 5.4 8.2#

138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#37

2-Methylnaphthalene

Concen: 2.173 ng

RT: 8.70 min Scan# 1149

Delta R.T. 0.08 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

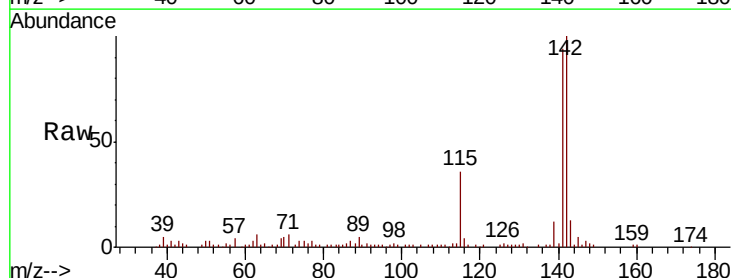
Tgt Ion: 142 Resp: 77784

Ion Ratio Lower Upper

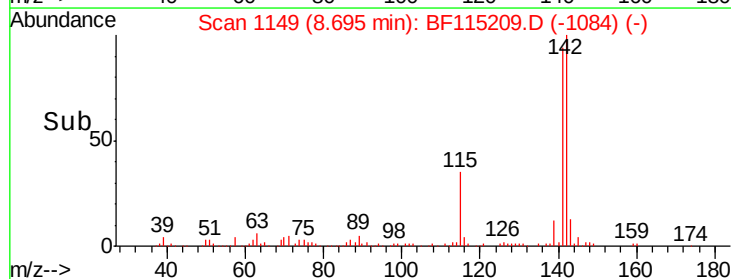
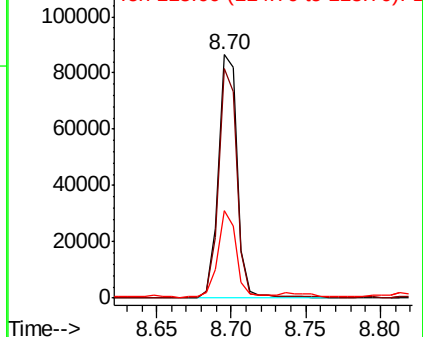
142 100

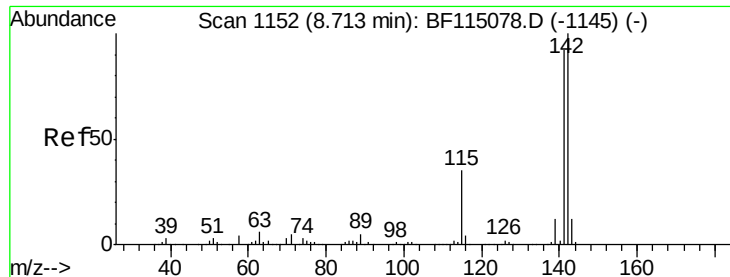
141 94.3 69.8 104.6

115 35.7 26.7 40.1



Abundance Ion 142.00 (141.70 to 142.70): E
120000
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

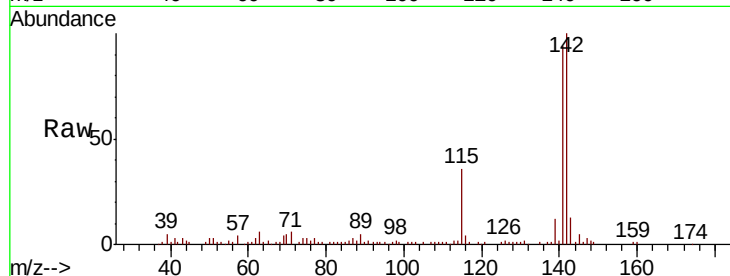




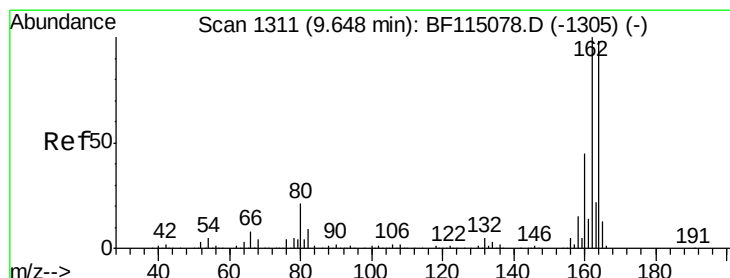
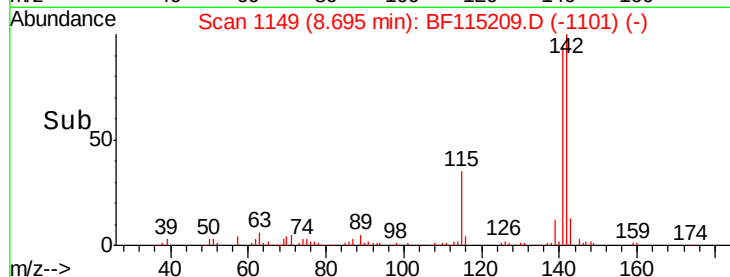
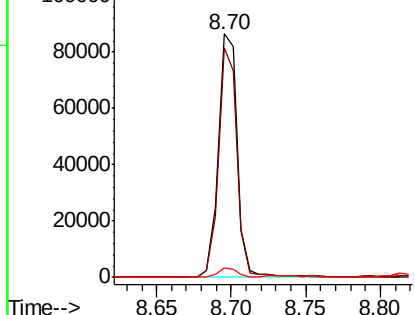
#38
1-Methylnaphthalene
Concen: 2.275 ng
RT: 8.70 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 77784
Ion Ratio Lower Upper
142 100
141 94.3 73.8 110.8
116 4.0 2.8 4.2

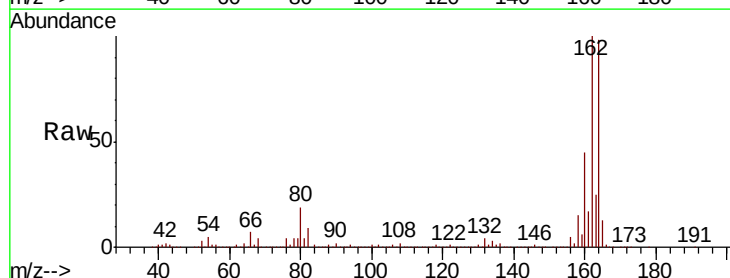


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

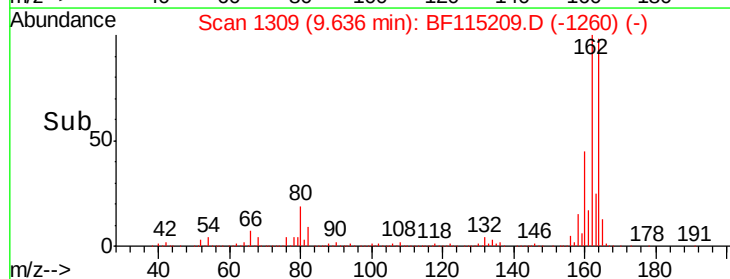
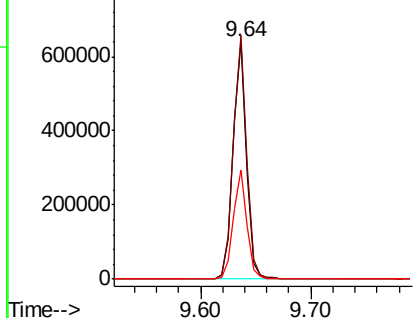


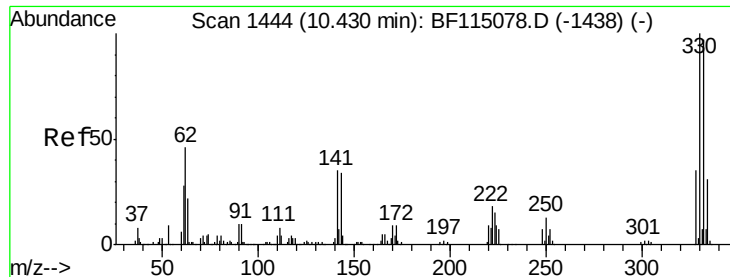
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Tgt Ion:164 Resp: 546724
Ion Ratio Lower Upper
164 100
162 102.4 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: 127.206 ng

RT: 10.42 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Instrument :

BNA_F

ClientSampleId :

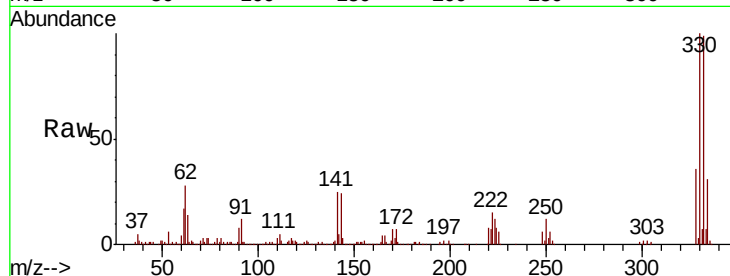
Tot Ion:330 Resp: 733391

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

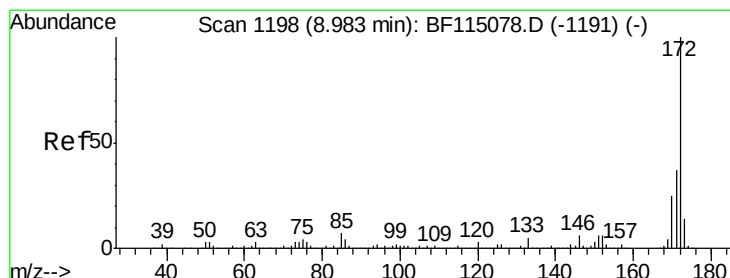
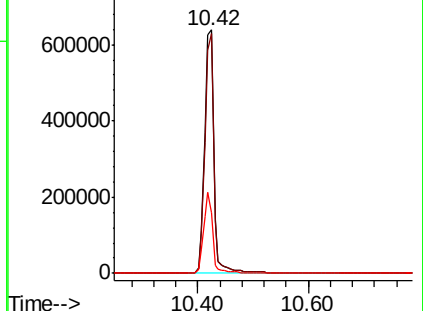
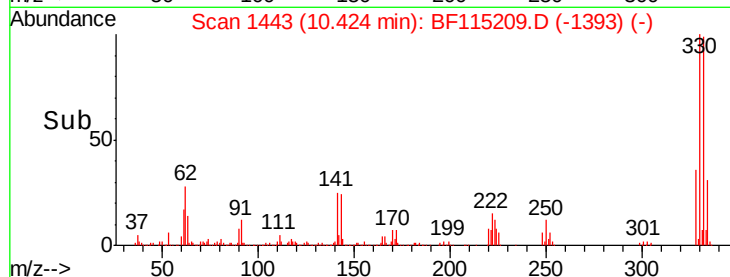
141 32.1 28.2 42.2



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: 87.335 ng

RT: 8.97 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

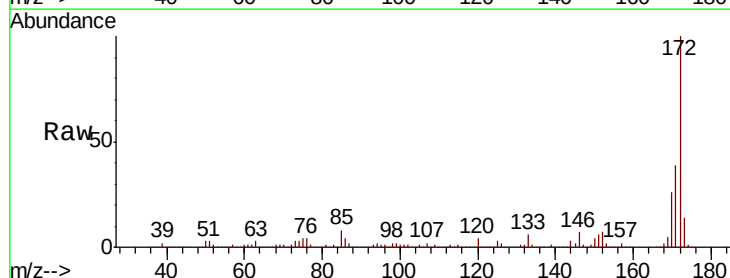
Tgt Ion:172 Resp: 2810987

Ion Ratio Lower Upper

172 100

171 38.5 29.8 44.6

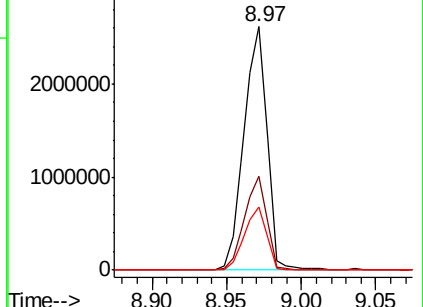
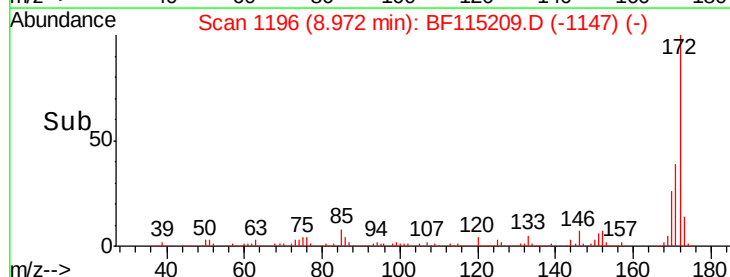
170 26.0 20.3 30.5

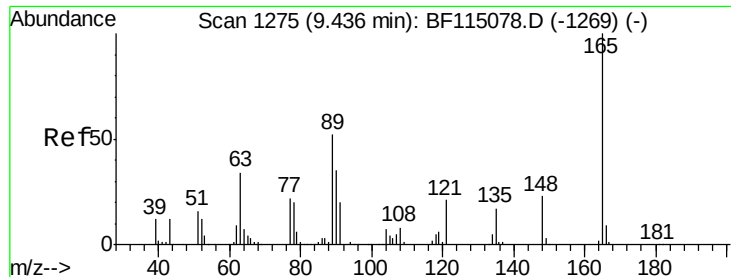


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

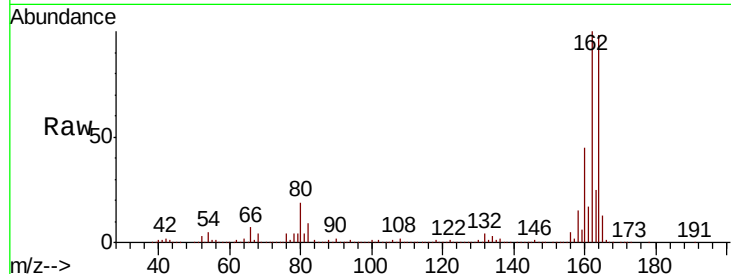




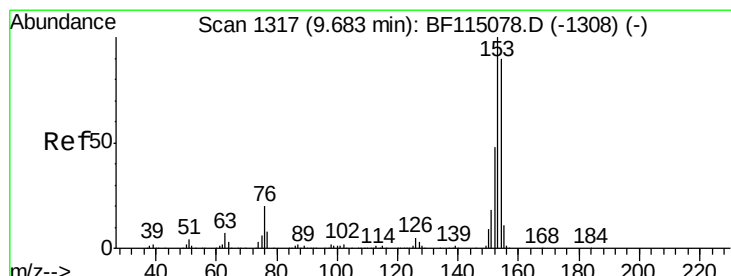
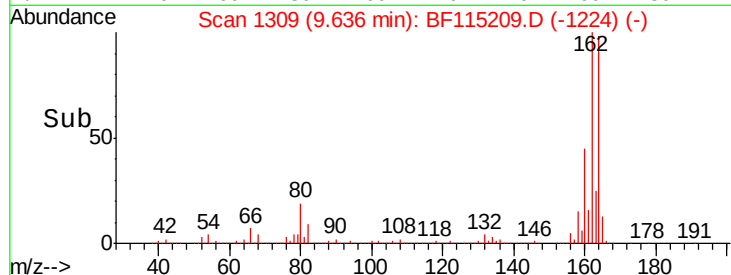
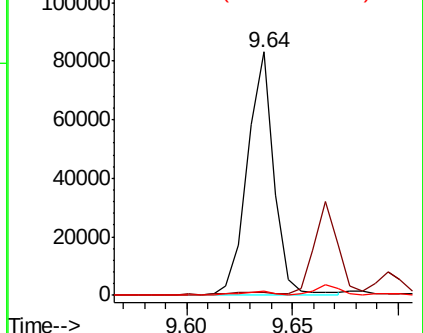
#51
2,6-Dinitrotoluene
Concen: 7.849 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	39.4	59.2#
89	1.6	42.0	63.0#

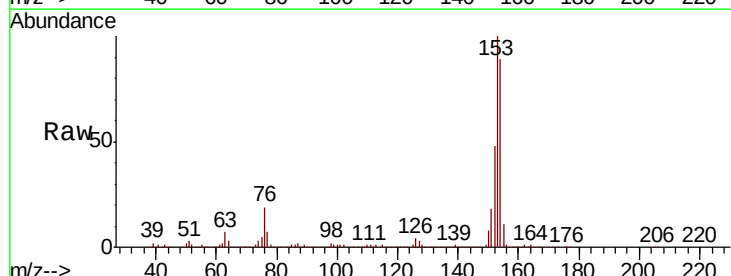


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

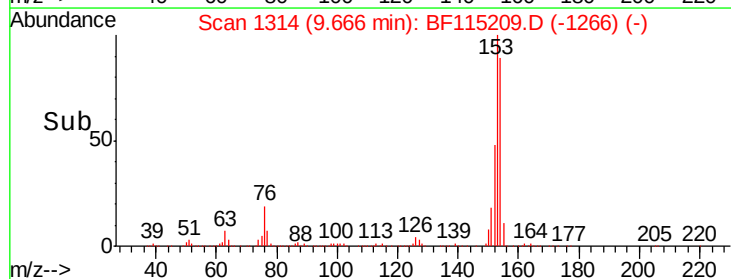
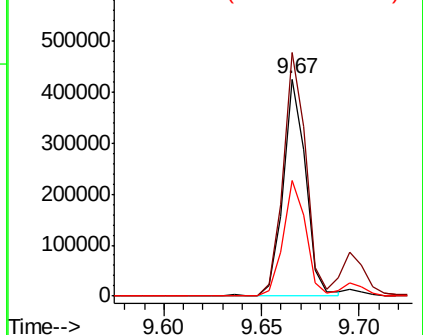


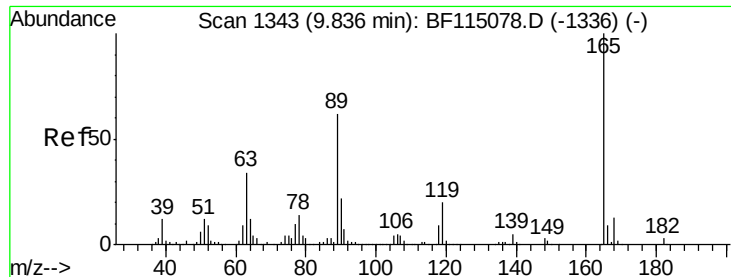
#52
Acenaphthene
Concen: 9.865 ng
RT: 9.67 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	88.7	133.1
152	53.4	42.6	64.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

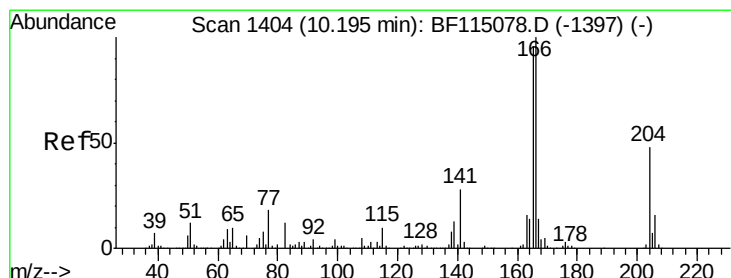
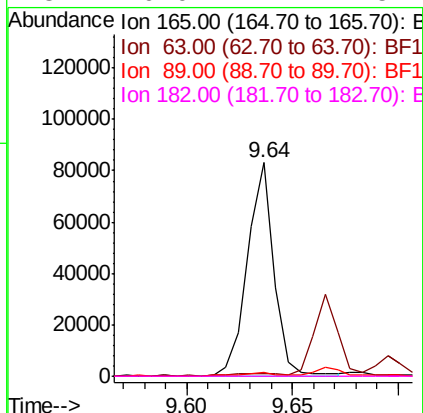
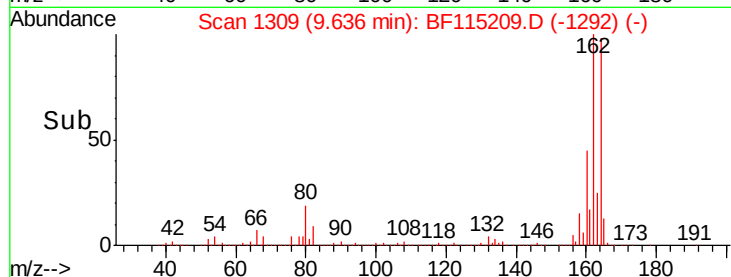
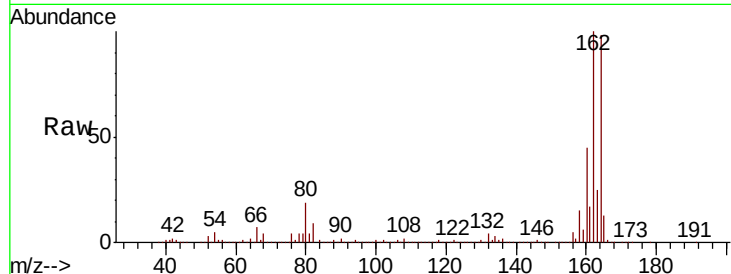




#57
2,4-Dinitrotoluene
Concen: 6.079 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

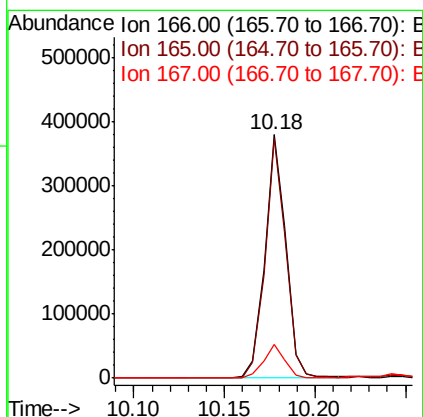
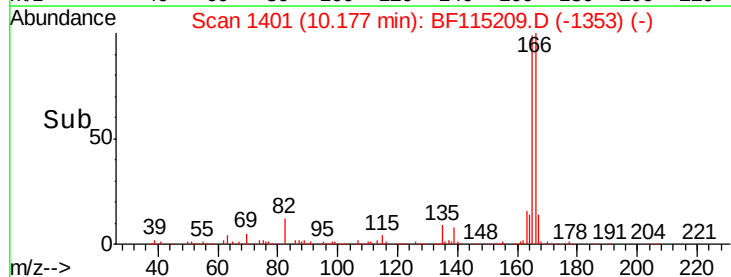
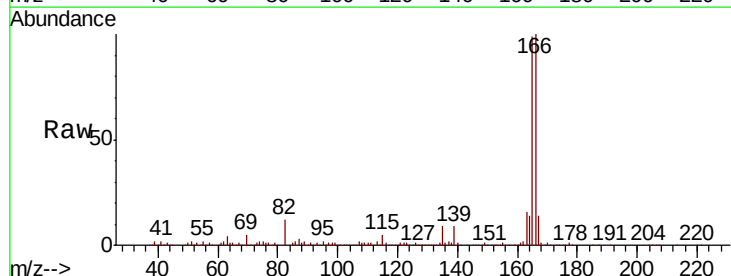
Instrument :
BNA_F
ClientSampleId :

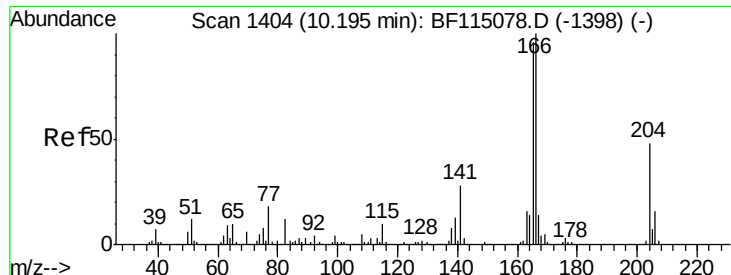
Tot Ion:	165	Resp:	72889
Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.5	41.3#
89	1.6	49.9	74.9#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 3.128 ng
RT: 10.18 min Scan# 1401
Delta R.T. -0.02 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Tgt Ion:	166	Resp:	306056
Ion	Ratio	Lower	Upper
166	100		
165	98.6	76.5	114.7
167	13.9	11.0	16.4

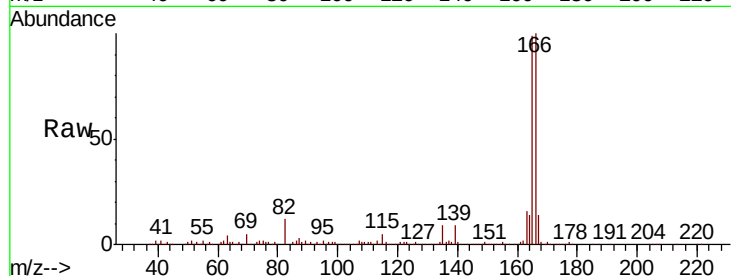




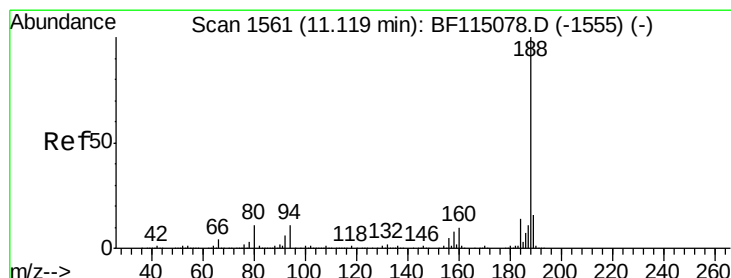
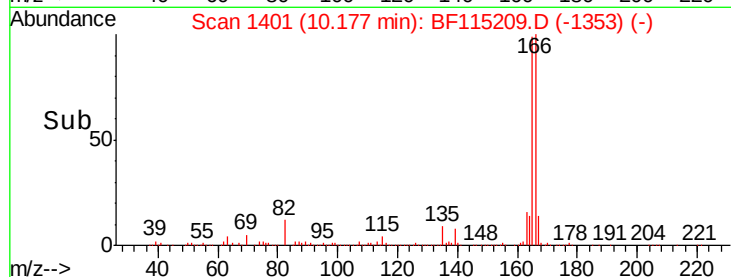
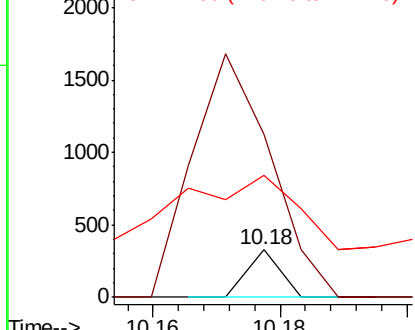
#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.18 min Scan# 1401
Delta R.T. -0.02 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 116
Ion Ratio Lower Upper
204 100
206 342.1 26.6 40.0#
141 255.5 46.7 70.1#

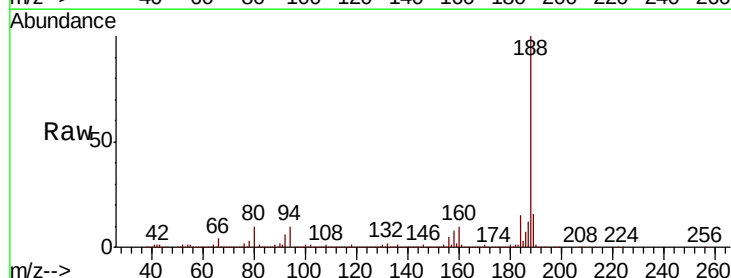


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

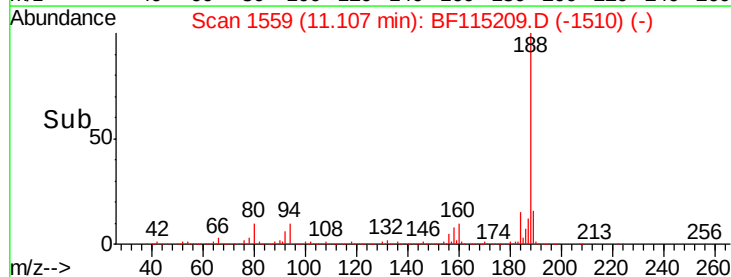
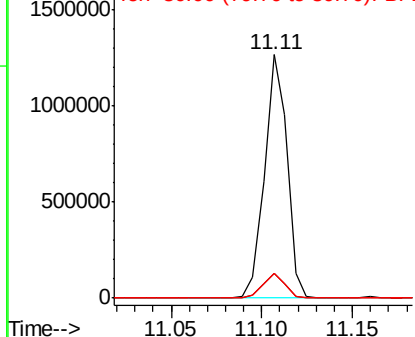


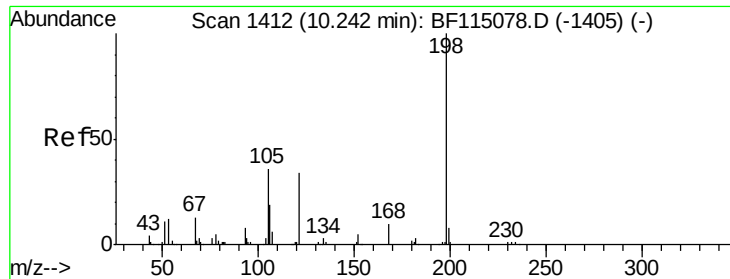
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Tgt Ion:188 Resp: 1093046
Ion Ratio Lower Upper
188 100
94 10.2 8.6 12.8
80 10.3 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: 5.182 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Instrument :

BNA_F

ClientSampleId :

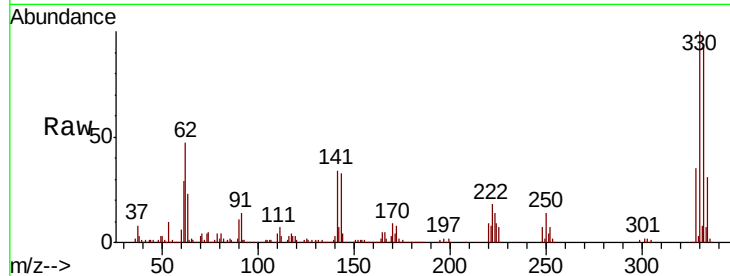
Tot Ion:198 Resp: 1440

Ion Ratio Lower Upper

198 100

51 213.9 11.0 51.0#

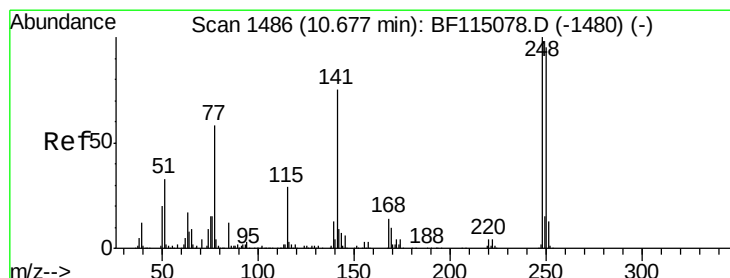
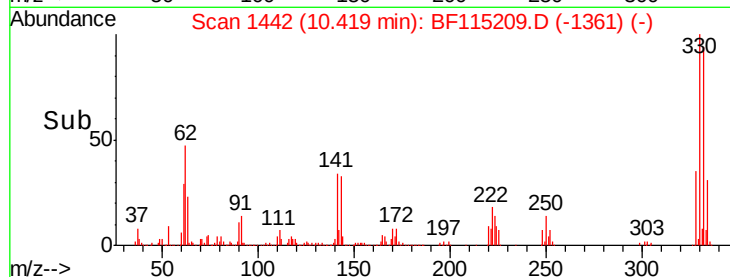
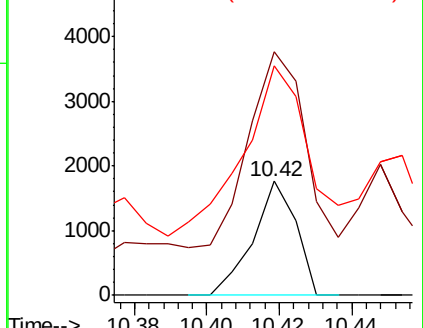
105 201.1 17.3 57.3#



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: 3.981 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.26 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

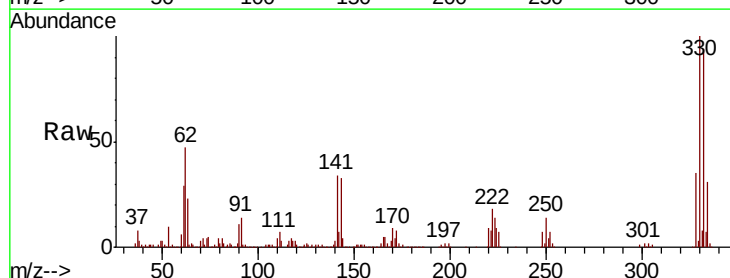
Tgt Ion:248 Resp: 47177

Ion Ratio Lower Upper

248 100

250 202.7 76.2 114.2#

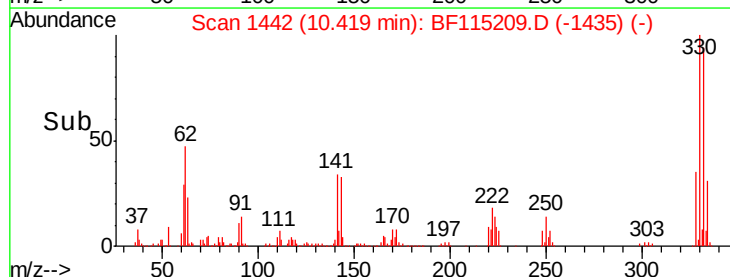
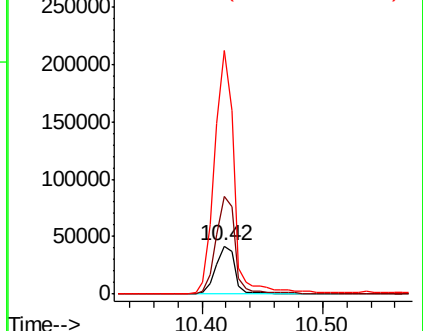
141 503.8 59.6 89.4#

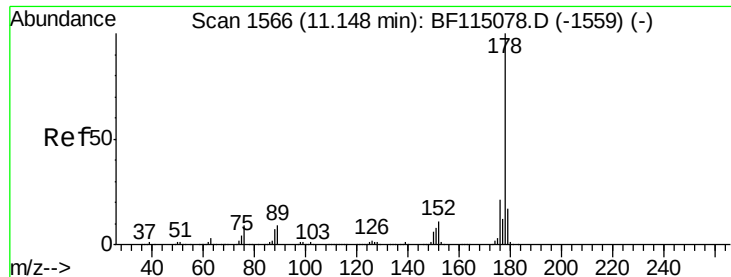


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

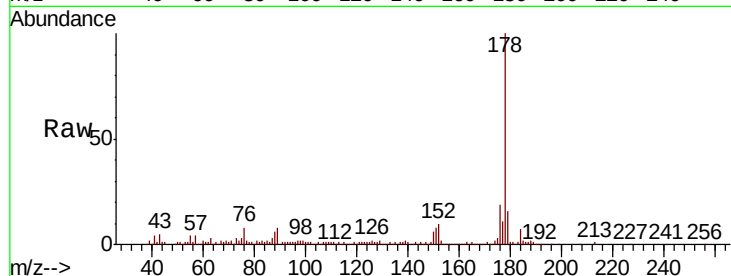




#71
Phenanthrene
Concen: 2.271 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.9	25.3
179	15.5	13.2	19.8

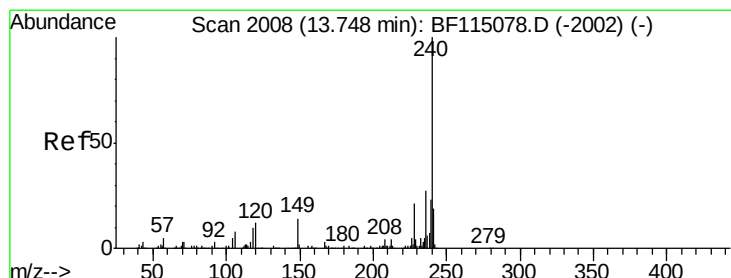
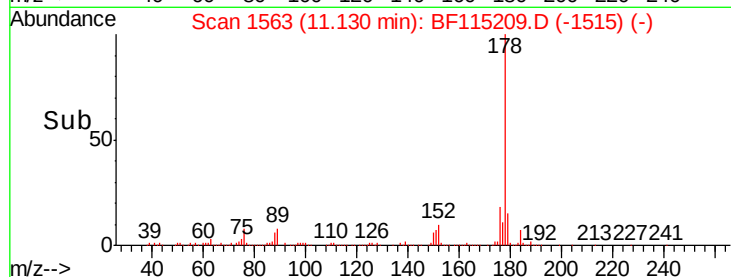
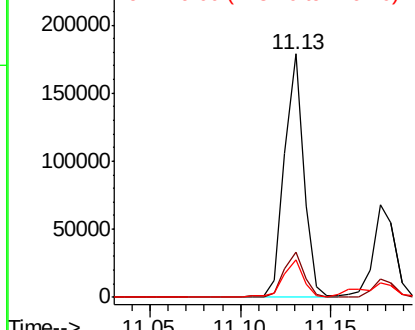


Abundance

Ion 178.00 (177.70 to 178.70): E

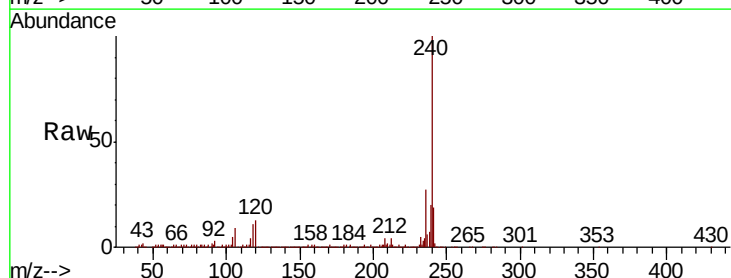
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF115209.D
Acq: 26 Jun 2019 8:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.4	14.2
236	27.4	21.7	32.5

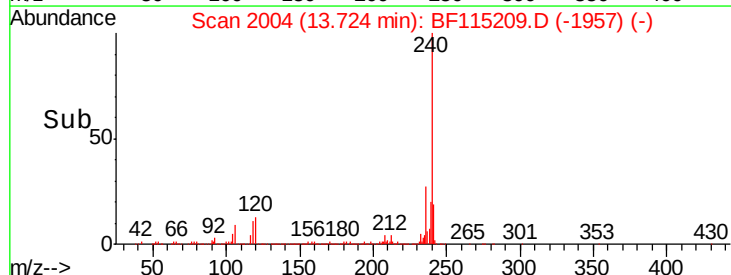
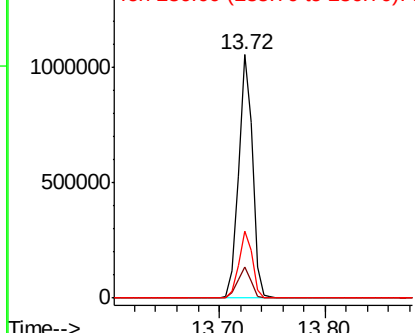


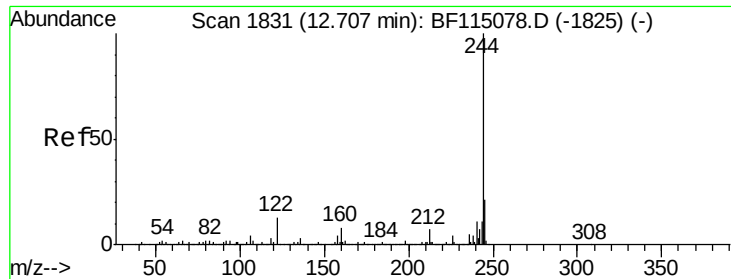
Abundance

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: 68.983 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

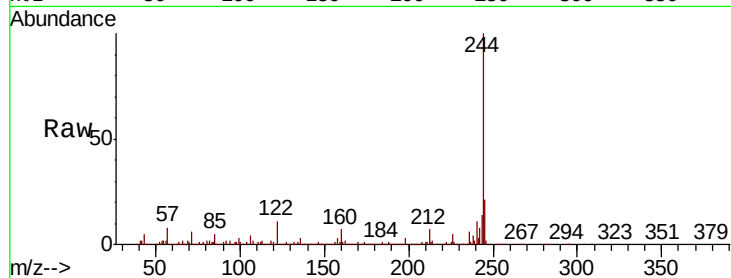
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 3028927

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	11.2	10.4	15.6

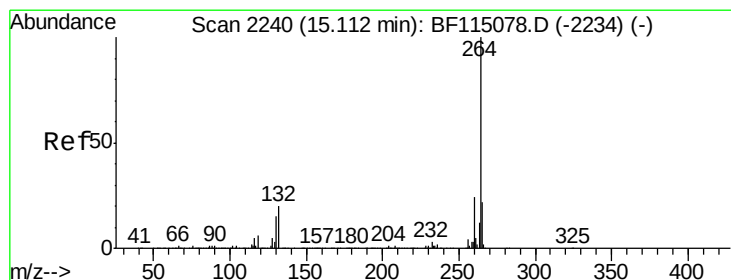
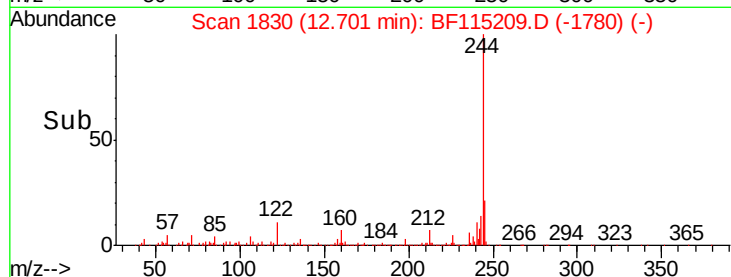
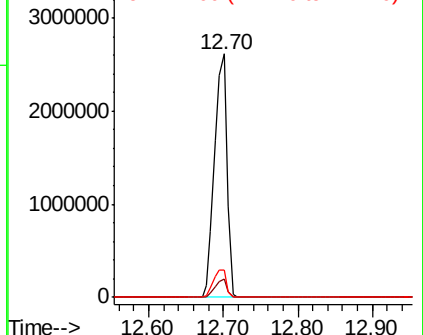


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.09 min Scan# 2237

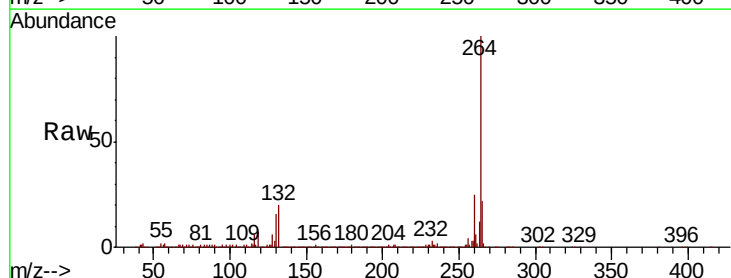
Delta R.T. -0.02 min

Lab File: BF115209.D

Acq: 26 Jun 2019 8:54

Tgt Ion:264 Resp: 917697

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.5	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

