

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115088.D
 Acq On : 21 Jun 2019 20:05
 Operator : HP/JU
 Sample : PB120722TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 04:54:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 21 17:55:32 2019
 Response via : Initial Calibration

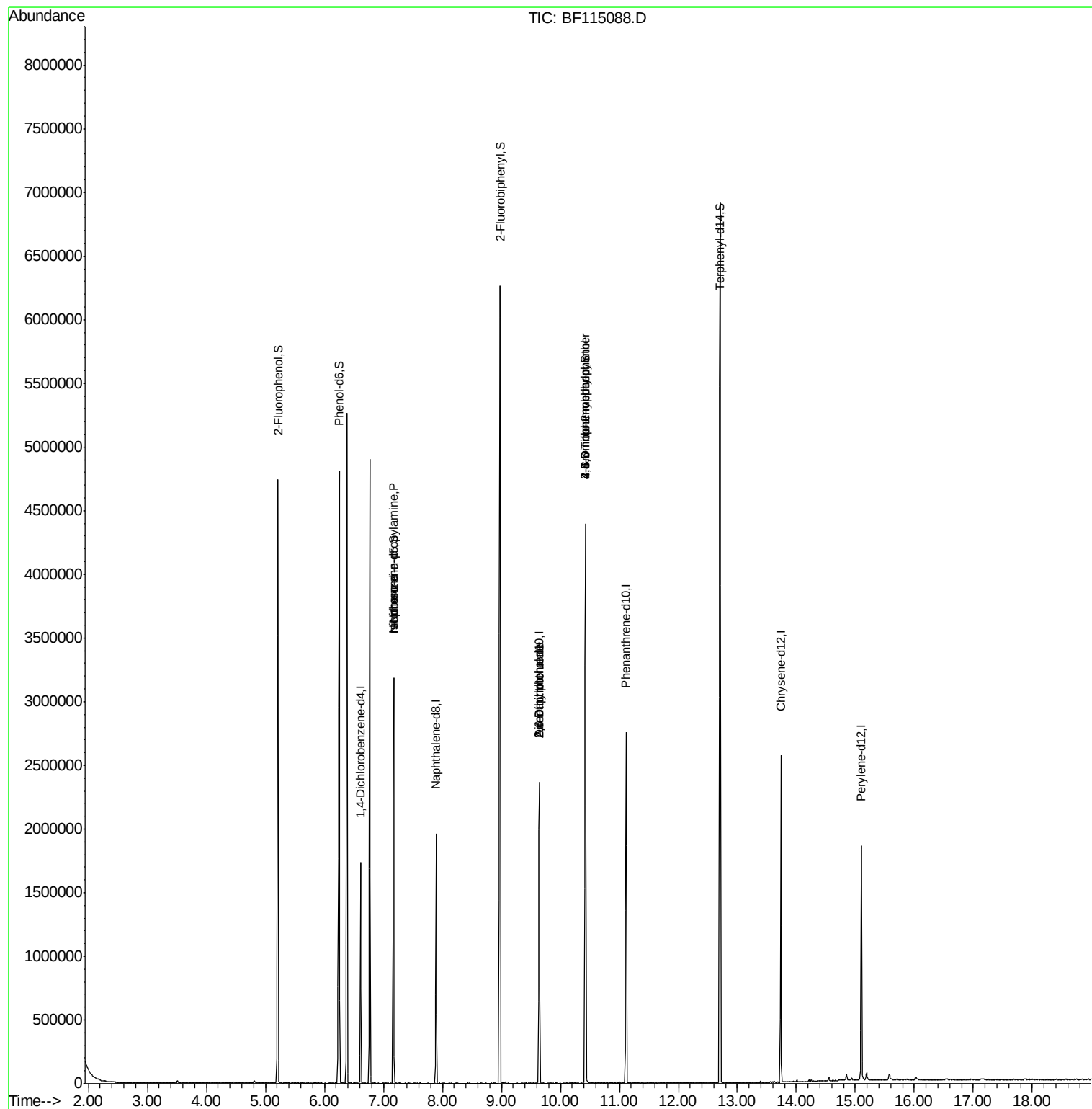
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	244187	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	924408	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	458903	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	935323	20.00	ng	0.00
76) Chrysene-d12	13.74	240	761195	20.00	ng	-0.01
87) Perylene-d12	15.11	264	804125	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1651963	104.40	ng	0.00
7) Phenol-d6	6.25	99	1985430	103.37	ng	0.00
23) Nitrobenzene-d5	7.17	82	1197409	79.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	578080	119.46	ng	0.00
45) 2-Fluorobiphenyl	8.98	172	2218518	82.12	ng	0.00
79) Terphenyl-d14	12.71	244	2626180	73.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	158269	12.872	ng	# 79
25) Isophorone	7.17	82	1155848	37.547	ng	# 63
50) Dimethylphthalate	9.64	163	131976	3.909	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	59843	7.677	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	59843	5.946	ng	# 30
58) Fluorene	10.42	166	26039	Below Cal		# 87
65) 4,6-Dinitro-2-methylphenol	10.42	198	1328	5.199	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	35930	3.543	ng	# 1

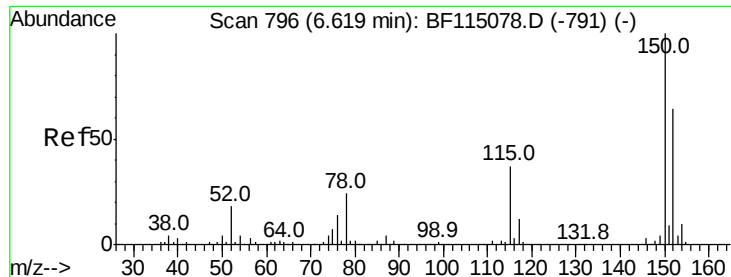
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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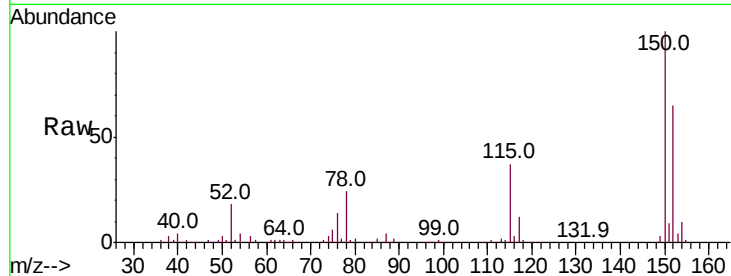


#1

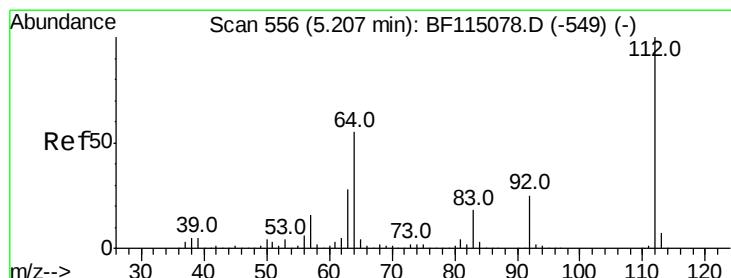
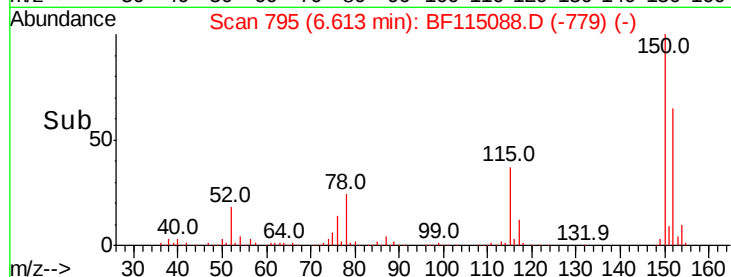
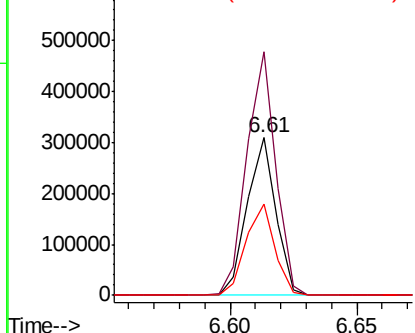
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115088.D
Acq: 21 Jun 2019 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 244187
Ion Ratio Lower Upper
152 100
150 154.6 124.2 186.2
115 57.7 46.1 69.1



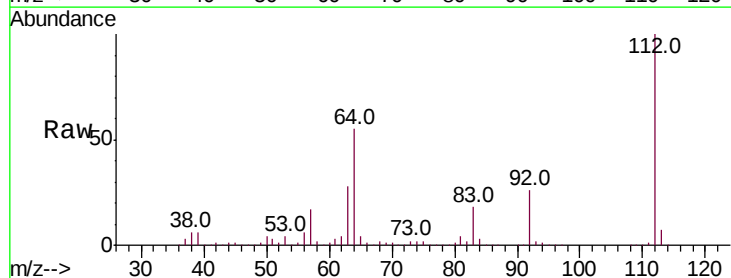
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



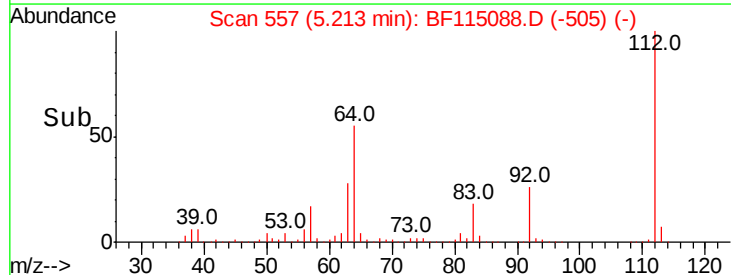
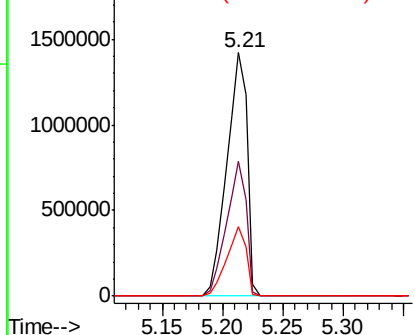
#5

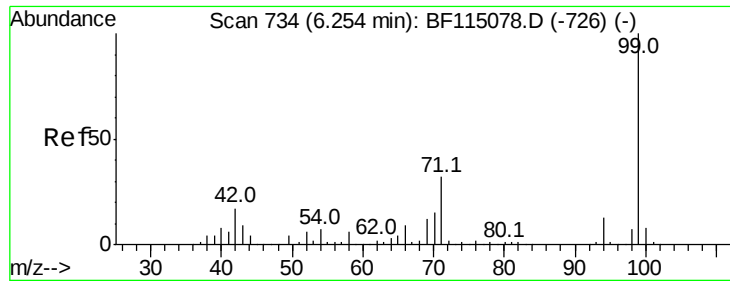
2-Fluorophenol
Concen: 104.398 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF115088.D
Acq: 21 Jun 2019 20:05

Tgt Ion:112 Resp: 1651963
Ion Ratio Lower Upper
112 100
64 55.3 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: 103.375 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

Instrument :

BNA_F

ClientSampleId :

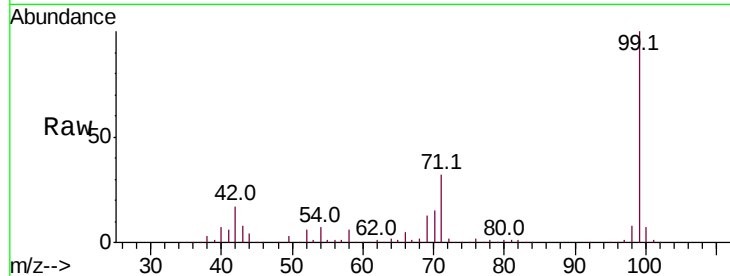
Tot Ion: 99 Resp: 1985430

Ion Ratio Lower Upper

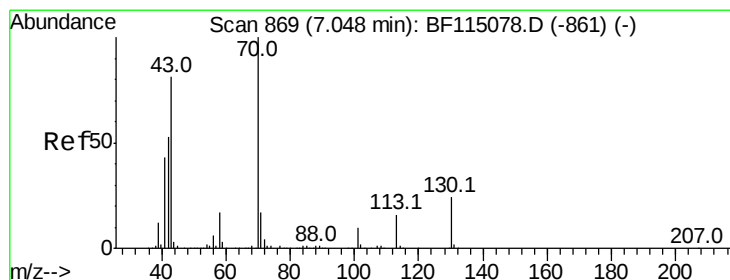
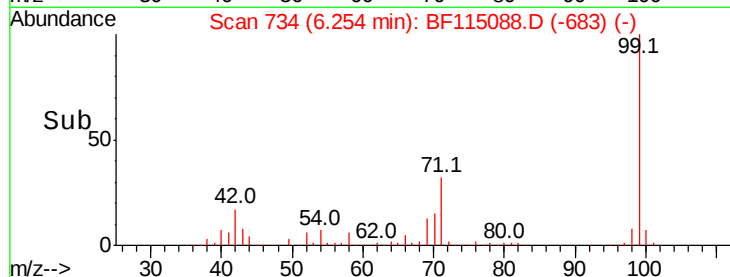
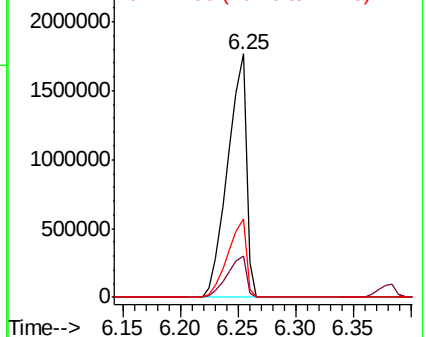
99 100

42 17.0 13.6 20.4

71 32.4 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: 12.872 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

Tgt Ion: 70 Resp: 158269

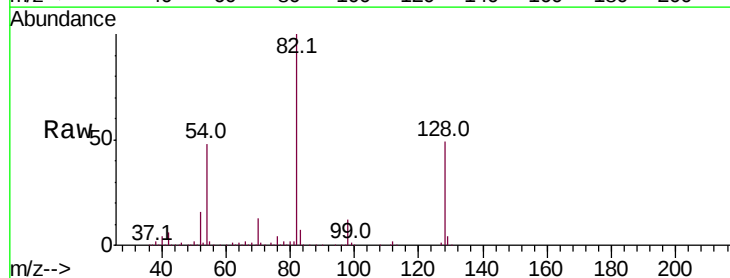
Ion Ratio Lower Upper

70 100

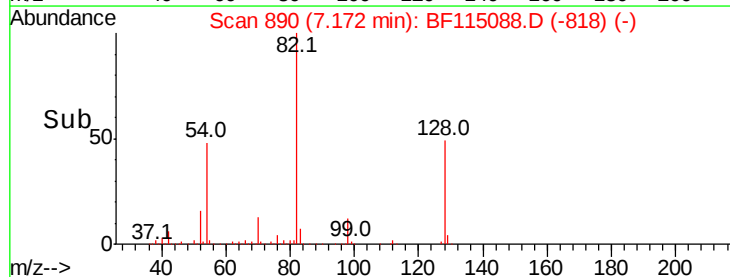
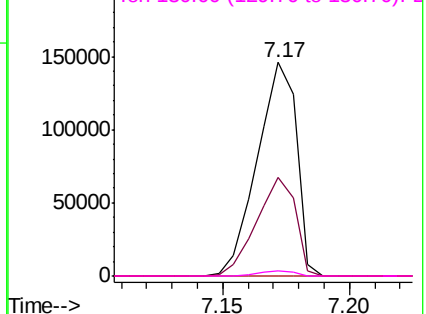
42 46.3 42.6 63.8

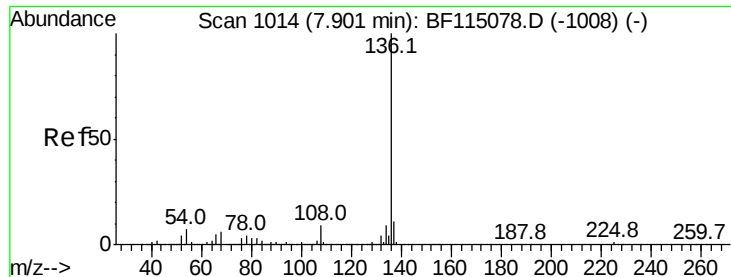
101 0.0 8.0 12.0#

130 2.5 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: 7.90 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 924408

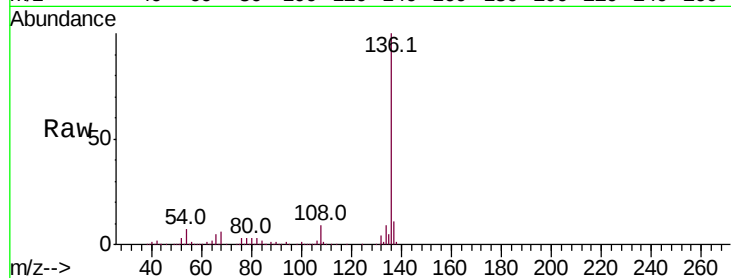
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 5.6 8.4

68 5.7 4.8 7.2

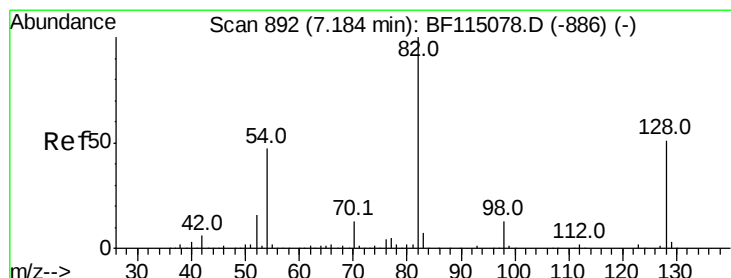
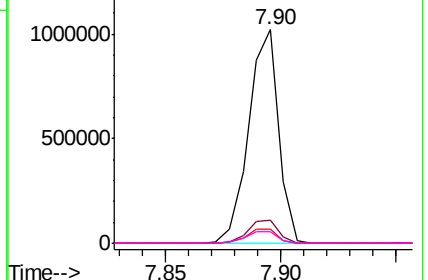
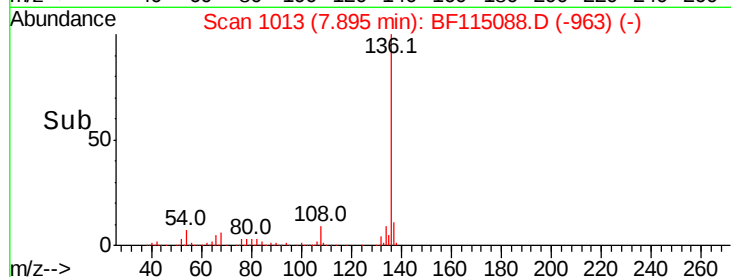


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.682 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

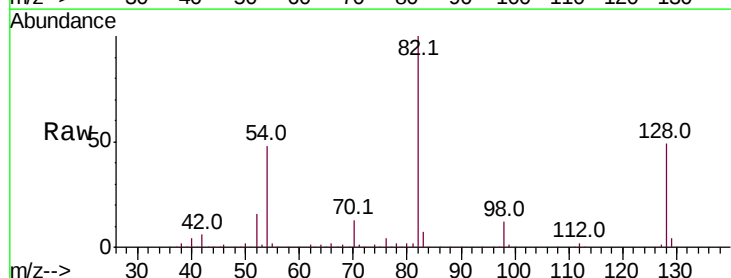
Tgt Ion: 82 Resp: 1197409

Ion Ratio Lower Upper

82 100

128 48.7 40.4 60.6

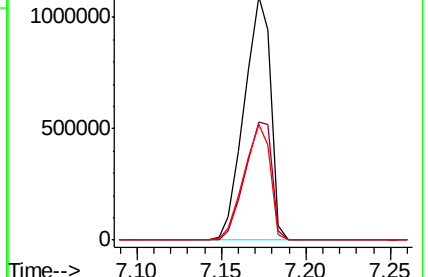
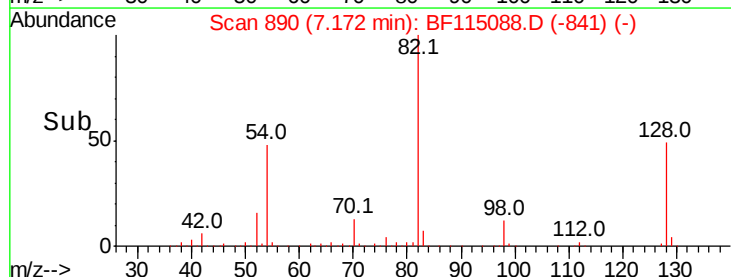
54 47.7 37.5 56.3

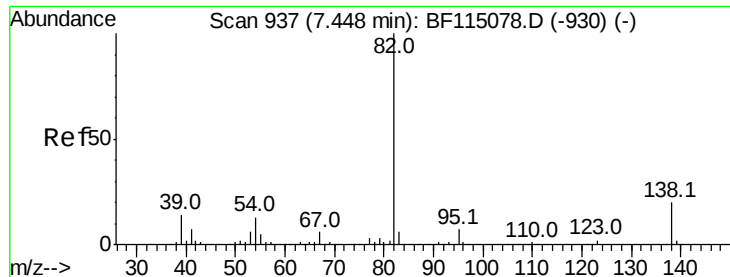


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.547 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

Instrument :

BNA_F

ClientSampled :

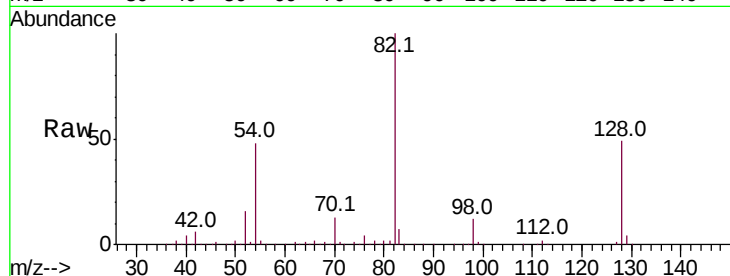
Tot Ion: 82 Resp: 1155848

Ion Ratio Lower Upper

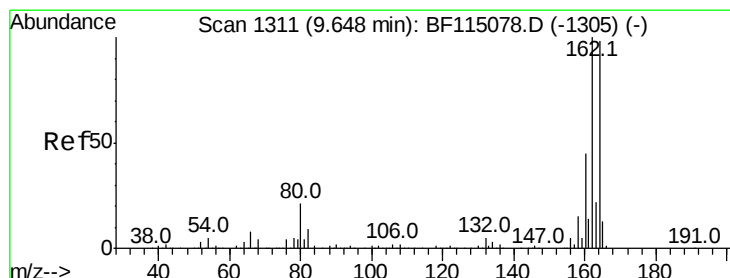
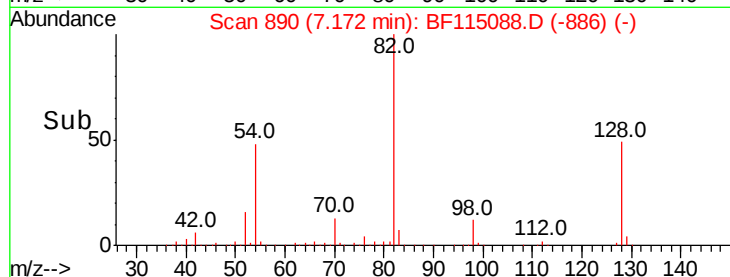
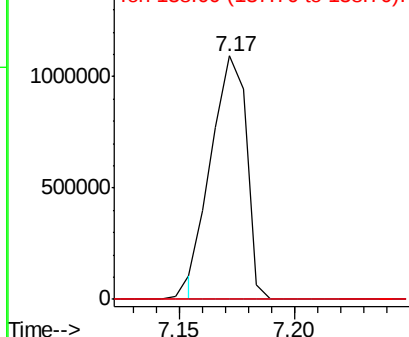
82 100

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# 1310

Delta R.T. -0.01 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

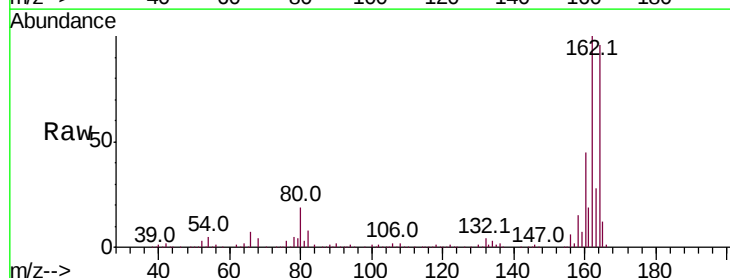
Tgt Ion:164 Resp: 458903

Ion Ratio Lower Upper

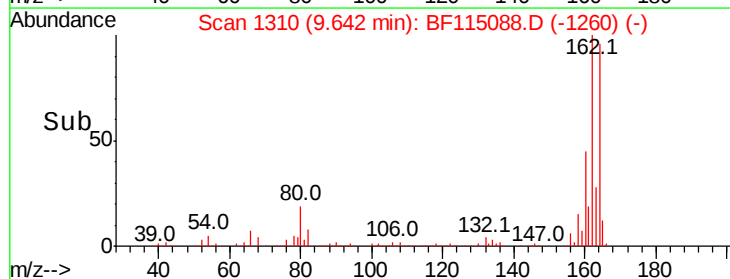
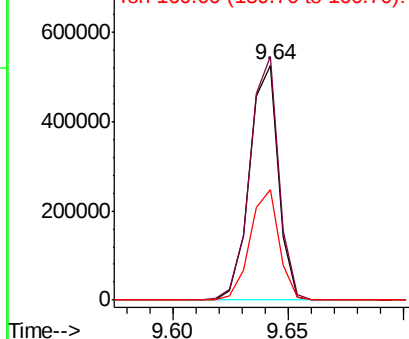
164 100

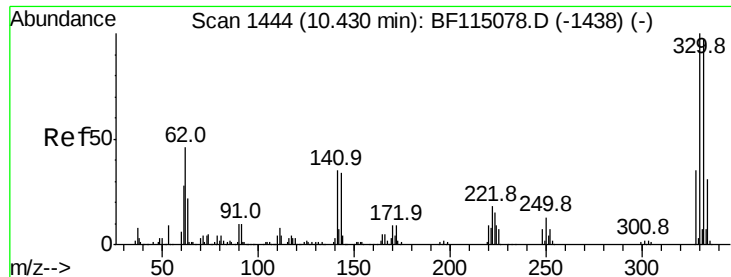
162 103.7 81.7 122.5

160 47.1 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

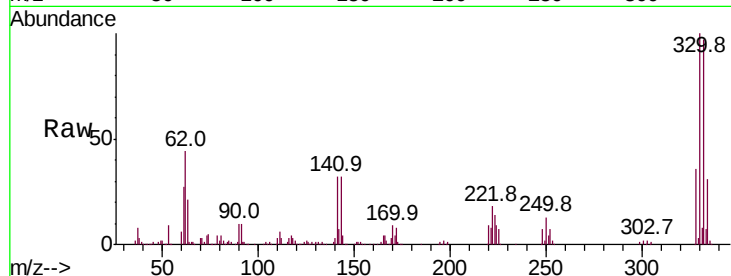




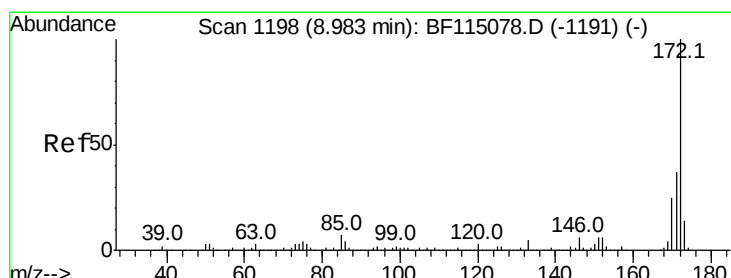
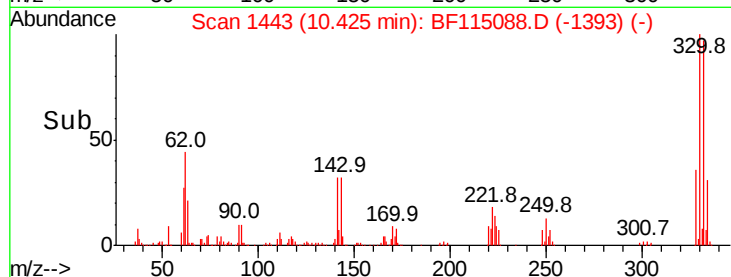
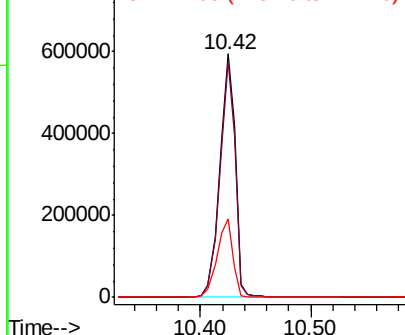
#42
 2,4,6-Tribromophenol
 Concen: 119.455 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF115088.D
 Acq: 21 Jun 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.3	115.9
141	32.6	28.2	42.2

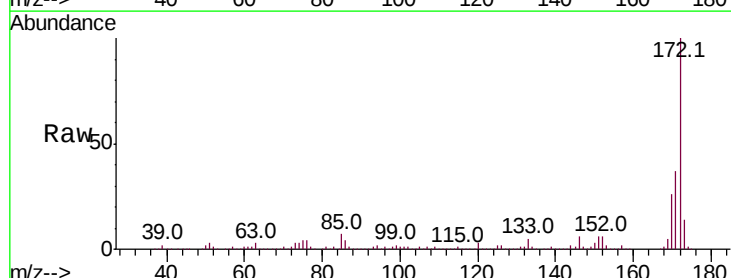


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

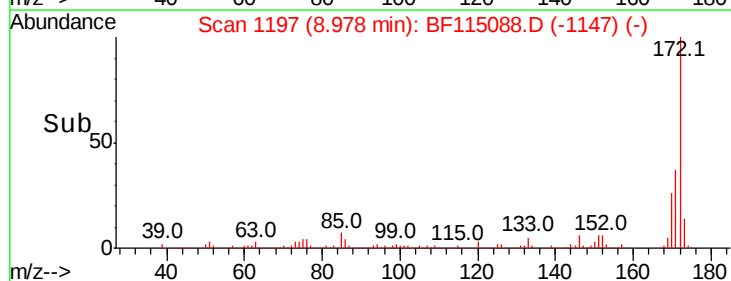
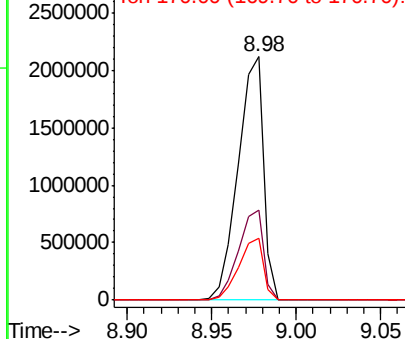


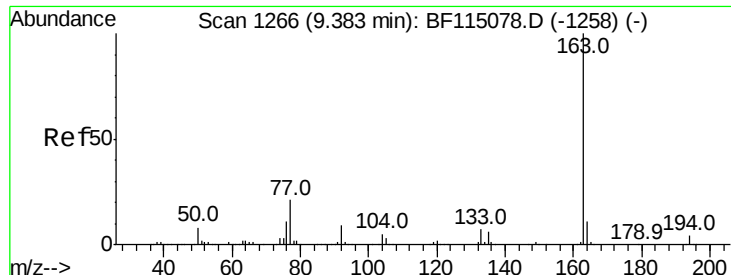
#45
 2-Fluorobiphenyl
 Concen: 82.118 ng
 RT: 8.98 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115088.D
 Acq: 21 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	25.6	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

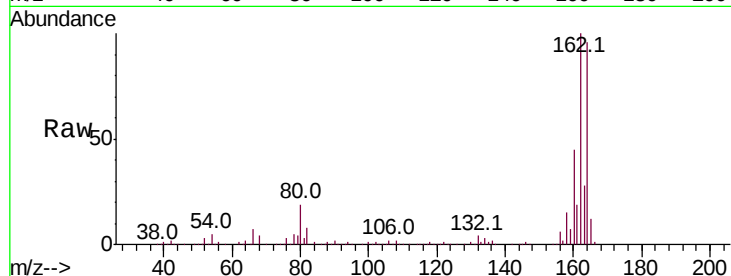




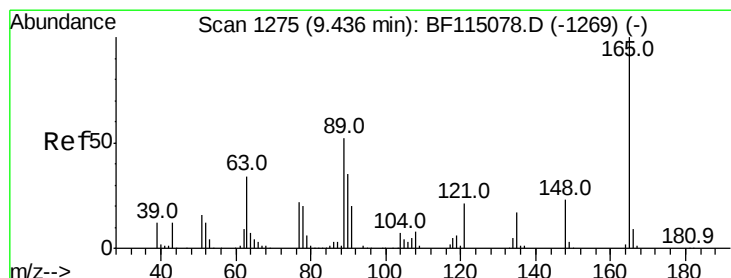
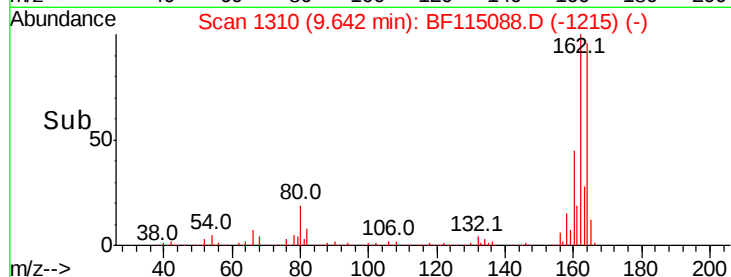
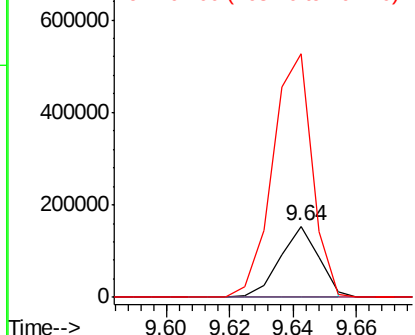
#50
Dimethylphthalate
Concen: 3.909 ng
RT: 9.64 min Scan# 1310
Delta R.T. 0.26 min
Lab File: BF115088.D
Acq: 21 Jun 2019 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 131976
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 343.4 8.6 13.0#

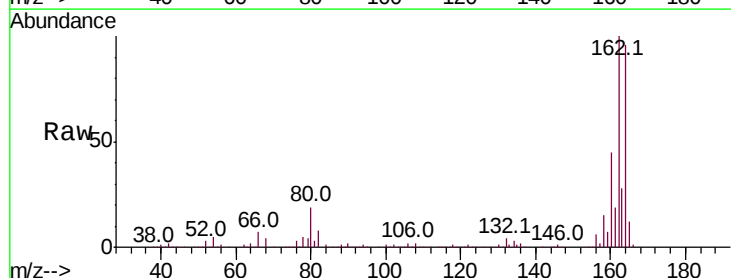


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

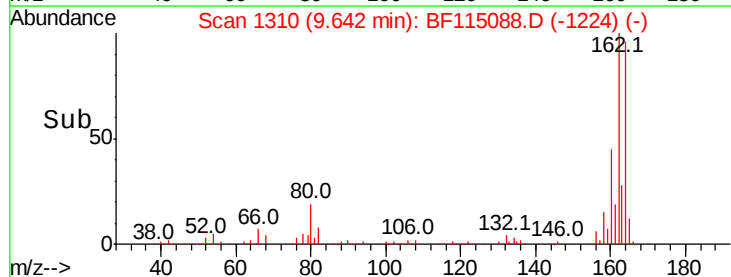
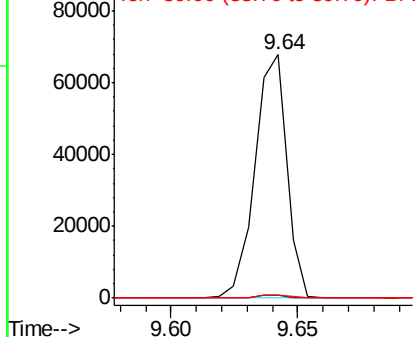


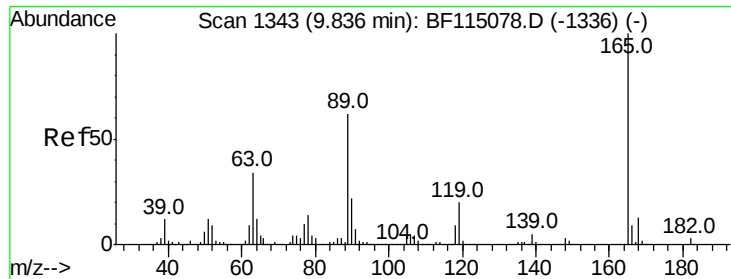
#51
2,6-Dinitrotoluene
Concen: 7.677 ng
RT: 9.64 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF115088.D
Acq: 21 Jun 2019 20:05

Tgt Ion:165 Resp: 59843
Ion Ratio Lower Upper
165 100
63 1.4 39.4 59.2#
89 1.5 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

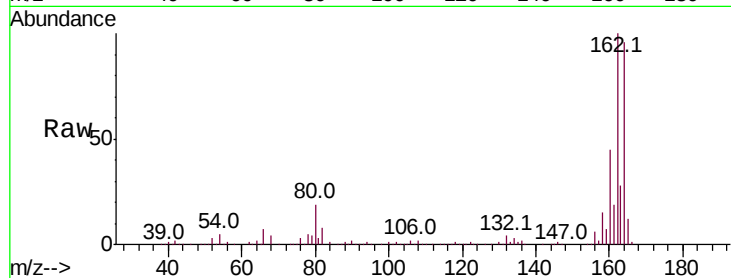




#57
 2,4-Dinitrotoluene
 Concen: 5.946 ng
 RT: 9.64 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF115088.D
 Acq: 21 Jun 2019 20:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.5	41.3#
89	1.5	49.9	74.9#
182	0.0	2.1	3.1#



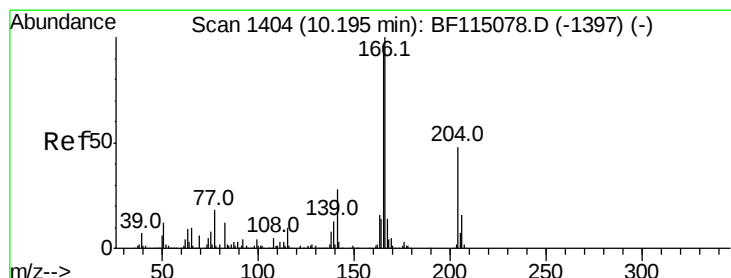
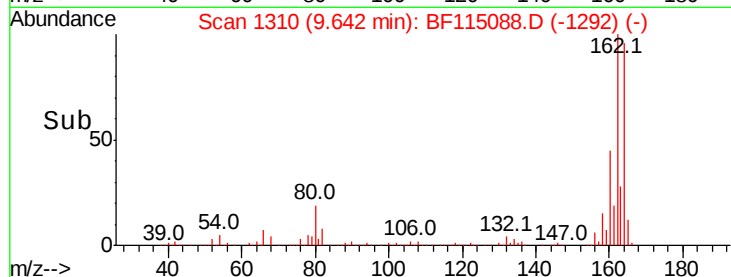
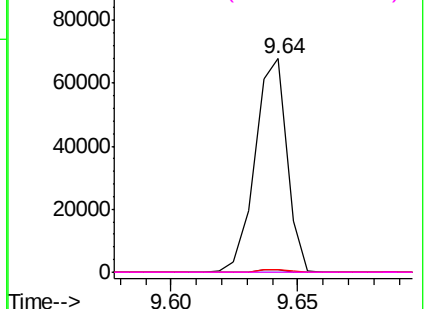
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

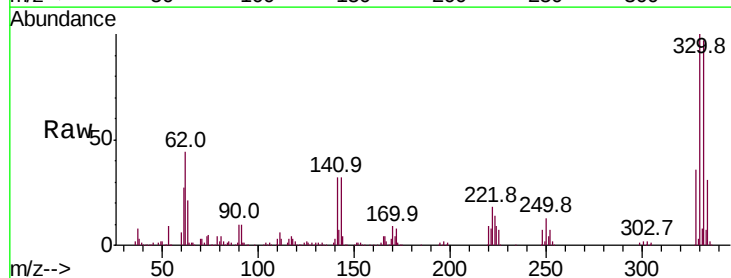
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 1443
 Delta R.T. 0.23 min
 Lab File: BF115088.D
 Acq: 21 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	76.5	114.7
167	40.1	11.0	16.4#

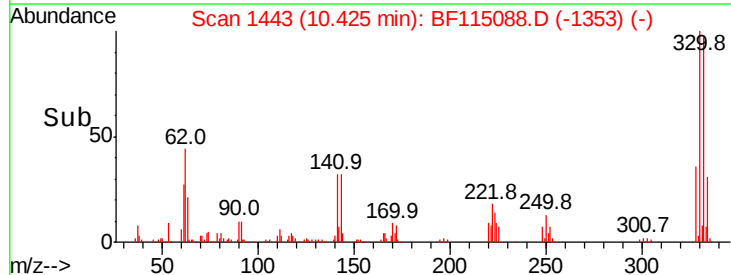
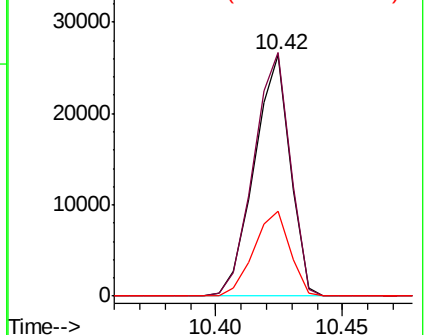


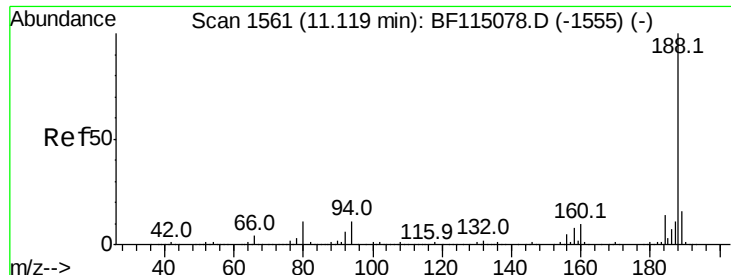
Abundance

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# 1560

Delta R.T. -0.01 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

Instrument :

BNA_F

ClientSampled :

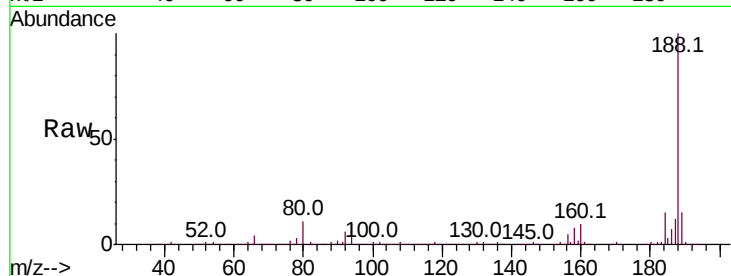
Tot Ion:188 Resp: 935323

Ion Ratio Lower Upper

188 100

94 10.2 8.6 12.8

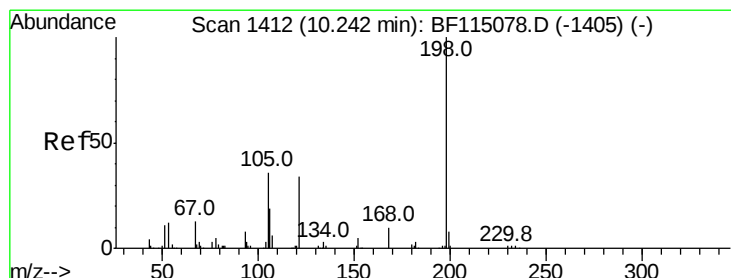
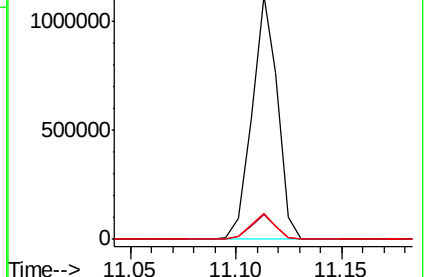
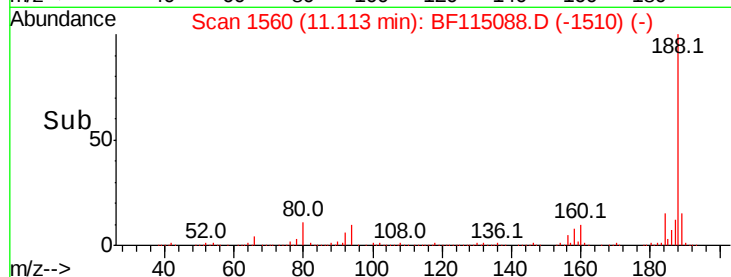
80 10.9 8.8 13.2



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: 5.199 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

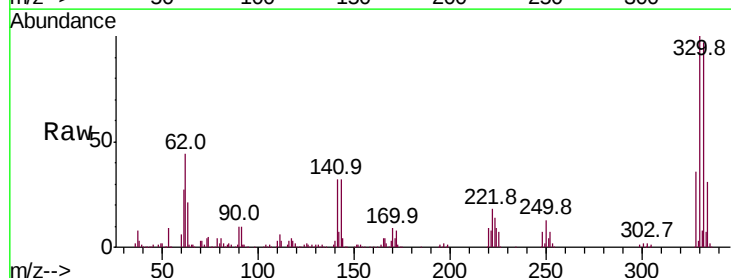
Tgt Ion:198 Resp: 1328

Ion Ratio Lower Upper

198 100

51 157.1 11.0 51.0#

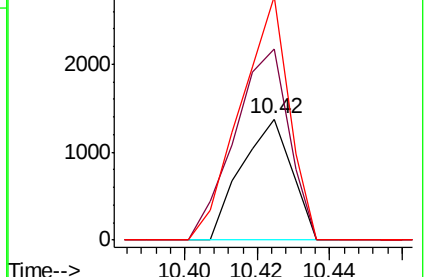
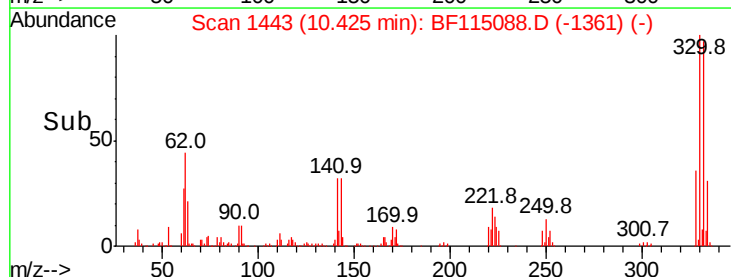
105 200.7 17.3 57.3#

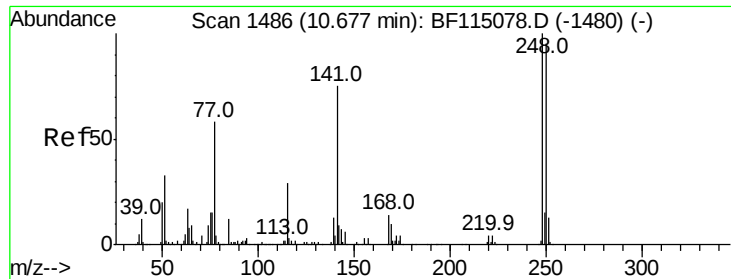


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

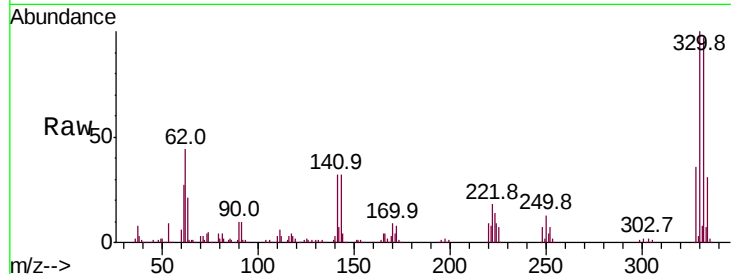




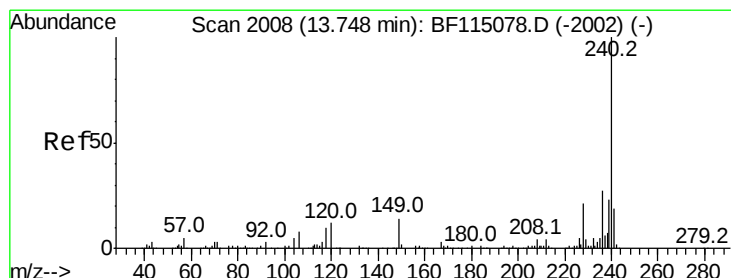
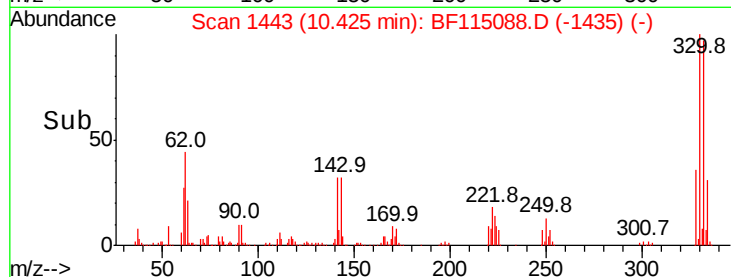
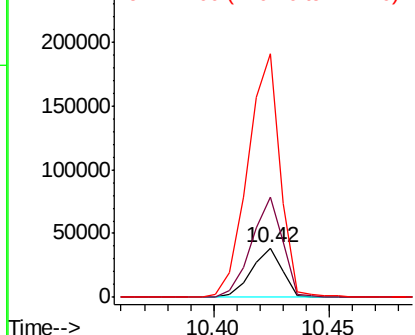
#67
 4-Bromophenyl-phenylether
 Concen: 3.543 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.25 min
 Lab File: BF115088.D
 Acq: 21 Jun 2019 20:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 35930
 Ion Ratio Lower Upper
 248 100
 250 201.7 76.2 114.2#
 141 492.3 59.6 89.4#

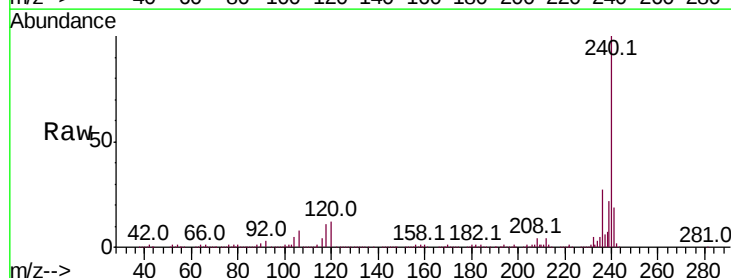


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

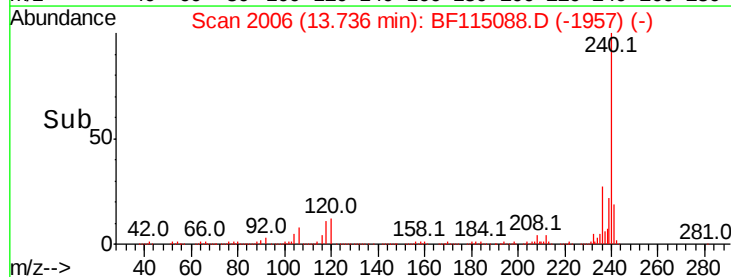
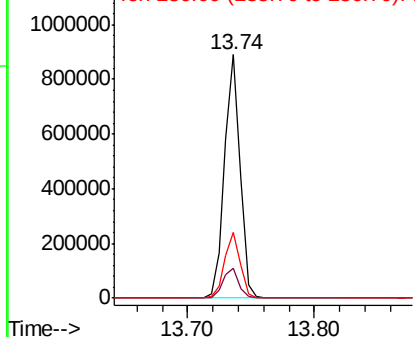


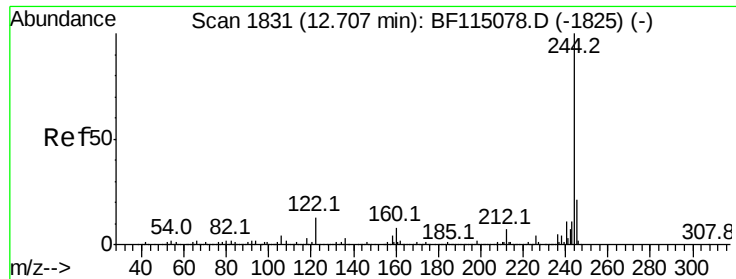
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF115088.D
 Acq: 21 Jun 2019 20:05

Tgt Ion:240 Resp: 761195
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.4 14.2
 236 26.9 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: 73.354 ng

RT: 12.71 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

Instrument :

BNA_F

ClientSampleId :

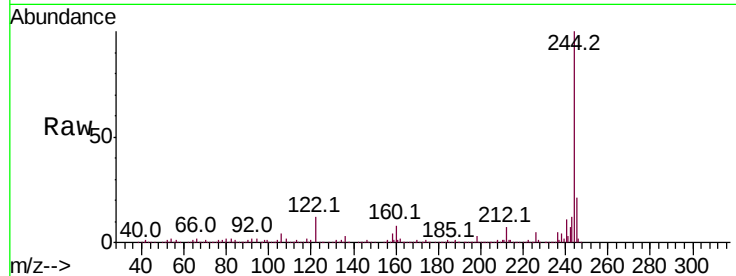
Tot Ion:244 Resp: 2626180

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

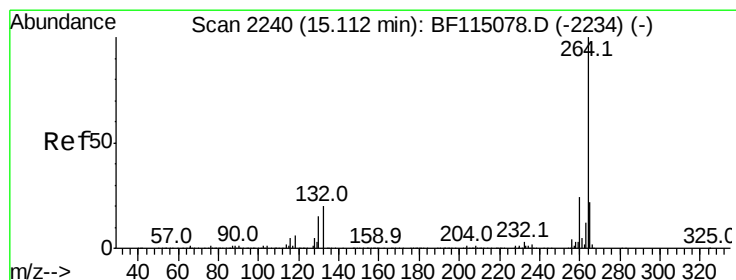
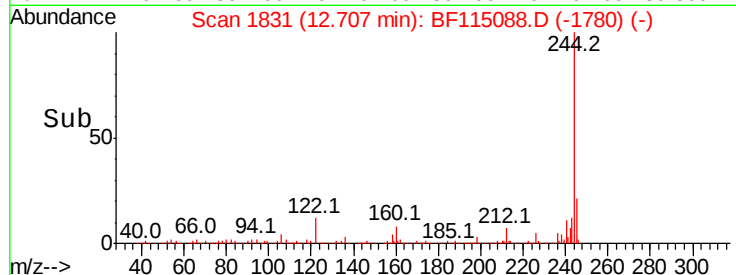
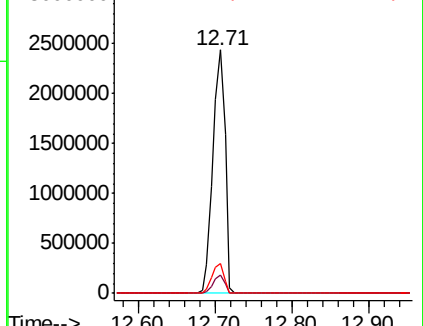
122 12.4 10.4 15.6



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: 15.11 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF115088.D

Acq: 21 Jun 2019 20:05

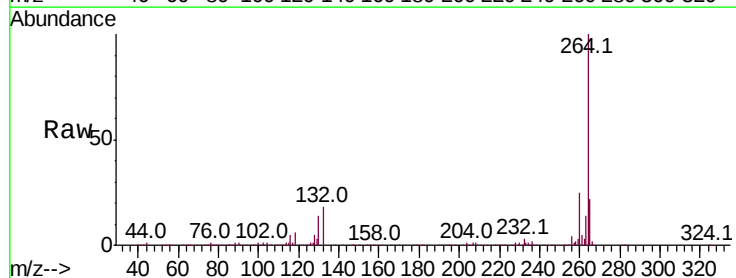
Tgt Ion:264 Resp: 804125

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 21.9 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

