

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115092.D
 Acq On : 21 Jun 2019 21:51
 Operator : HP/JU
 Sample : PB120707BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB120707BL

Quant Time: Jun 22 04:55:58 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	257787	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	986991	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	487970	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	982093	20.00	ng	0.00
76) Chrysene-d12	13.74	240	814994	20.00	ng	-0.01
87) Perylene-d12	15.10	264	836489	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1899819	113.73	ng	0.01
7) Phenol-d6	6.25	99	2292685	113.07	ng	0.00
23) Nitrobenzene-d5	7.17	82	1396119	87.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	659118	128.09	ng	0.00
45) 2-Fluorobiphenyl	8.98	172	2522255	87.80	ng	0.00
79) Terphenyl-d14	12.71	244	2963357	77.31	ng	0.00

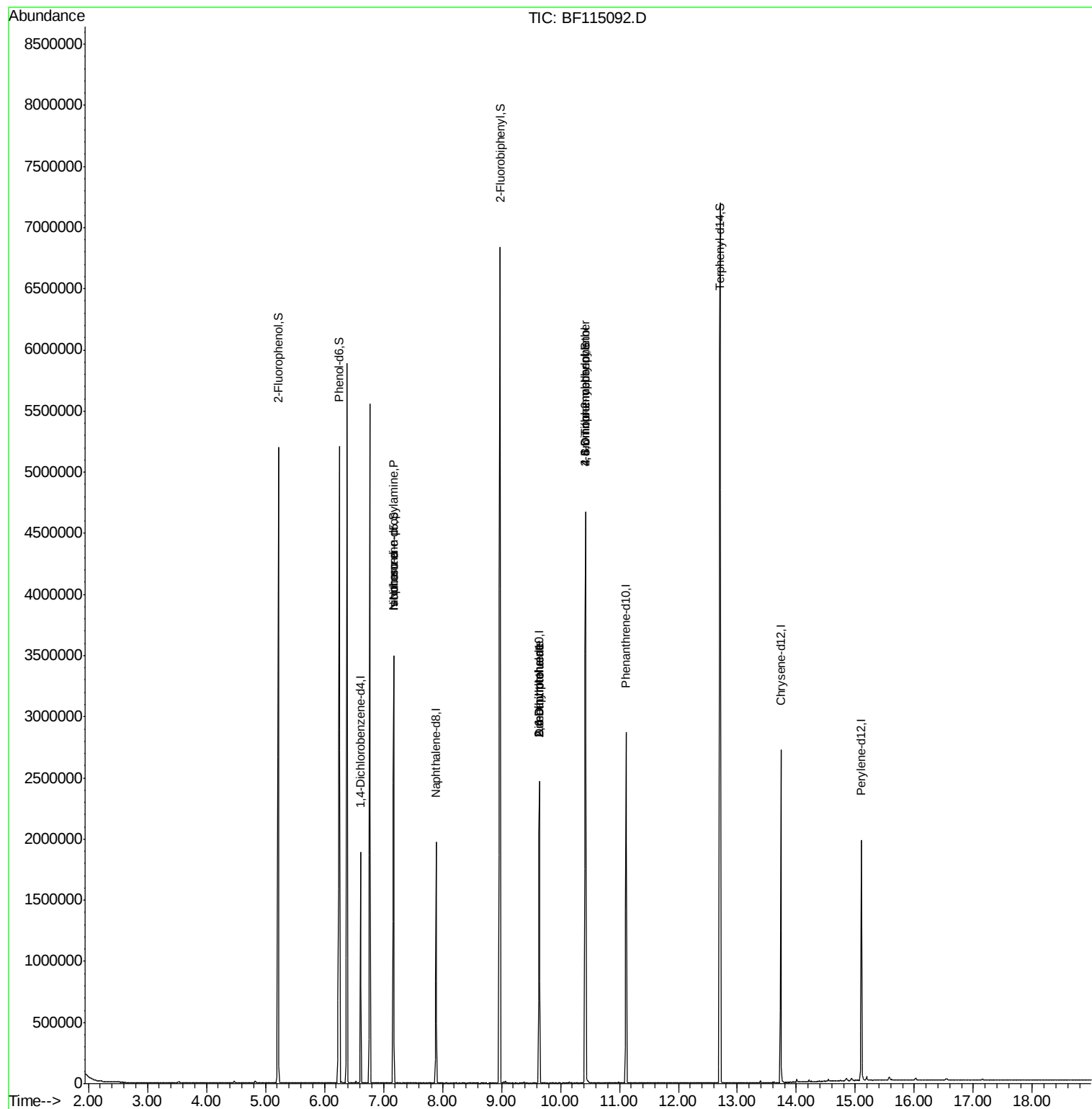
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	187119	14.415	ng	# 78
25) Isophorone	7.17	82	1335871	40.643	ng	# 63
50) Dimethylphthalate	9.64	163	139345	3.881	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	63393	7.648	ng	# 28
57) 2,4-Dinitrotoluene	9.64	165	63393	5.923	ng	# 30
58) Fluorene	10.42	166	29464	Below Cal		# 87
65) 4,6-Dinitro-2-methylphenol	10.42	198	1550	5.226	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	41522	3.900	ng	# 1

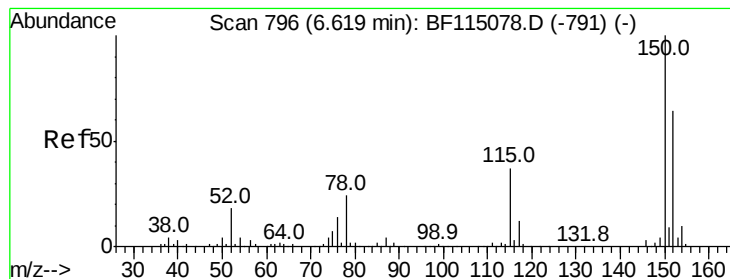
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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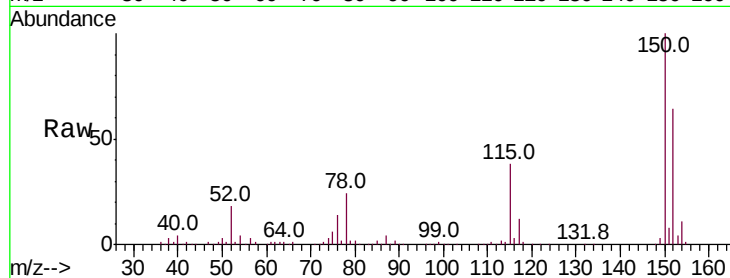


#1

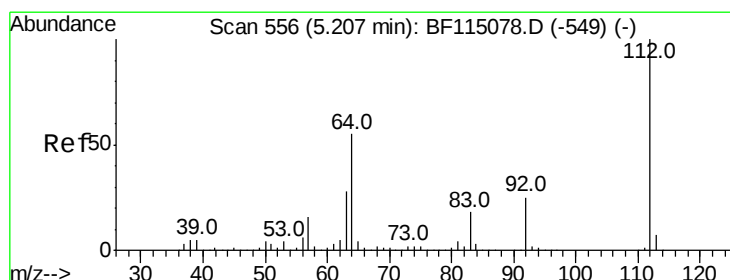
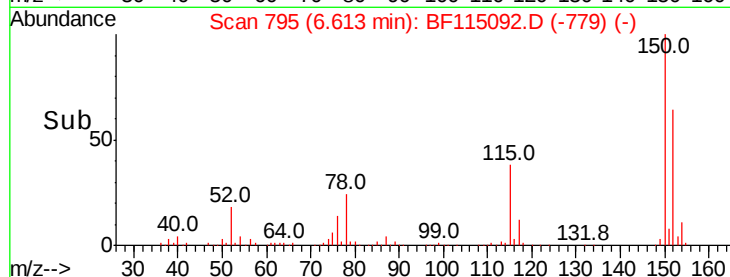
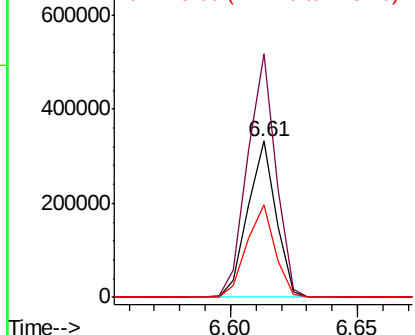
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Instrument :
BNA_F
ClientSampleId :
PB120707BL

Tot Ion:152 Resp: 257787
Ion Ratio Lower Upper
152 100
150 155.8 124.2 186.2
115 59.1 46.1 69.1



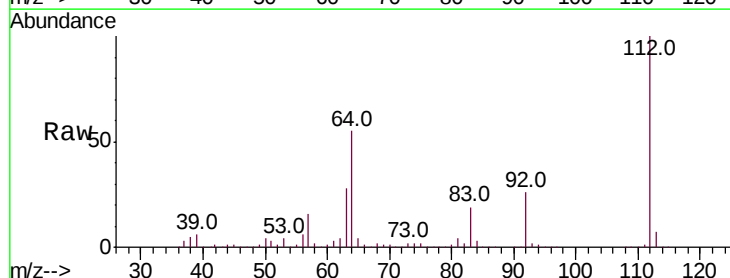
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



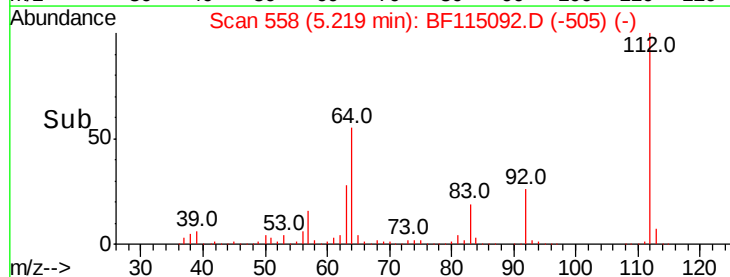
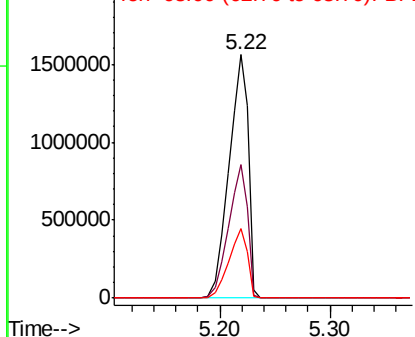
#5

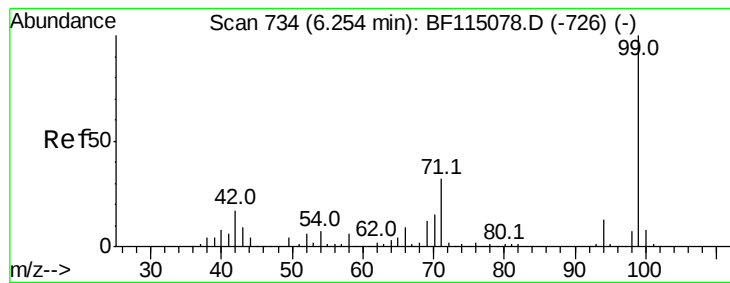
2-Fluorophenol
Concen: 113.727 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Tgt Ion:112 Resp: 1899819
Ion Ratio Lower Upper
112 100
64 55.0 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: 113.075 ng

RT: 6.25 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

Instrument :

BNA_F

ClientSampleId :

PB120707BL

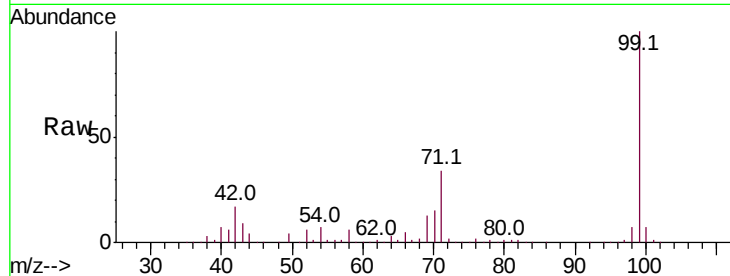
Tot Ion: 99 Resp: 2292685

Ion Ratio Lower Upper

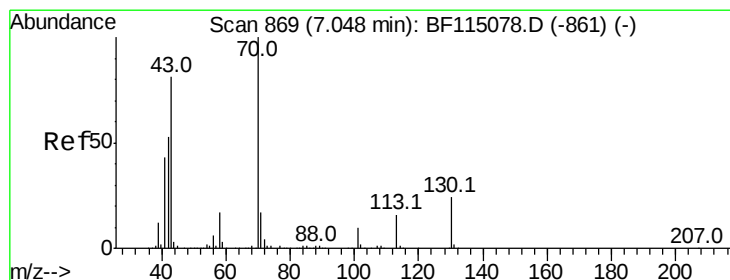
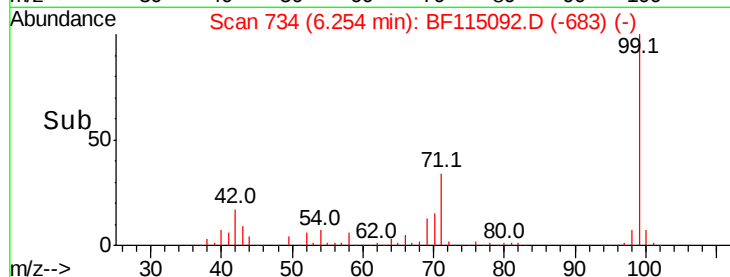
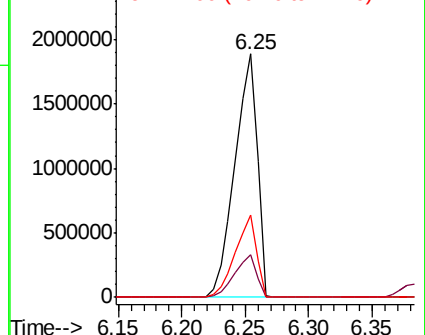
99 100

42 17.3 13.6 20.4

71 33.7 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: 14.415 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

Tgt Ion: 70 Resp: 187119

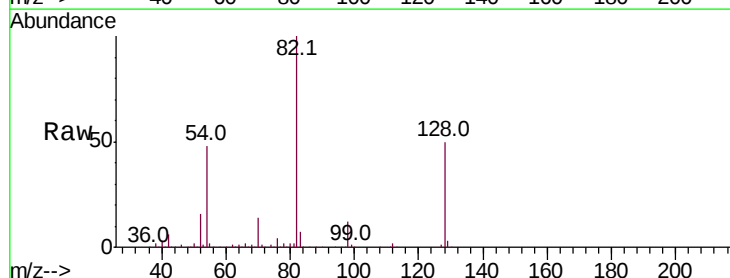
Ion Ratio Lower Upper

70 100

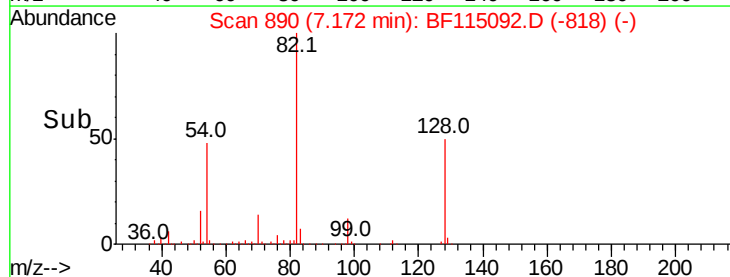
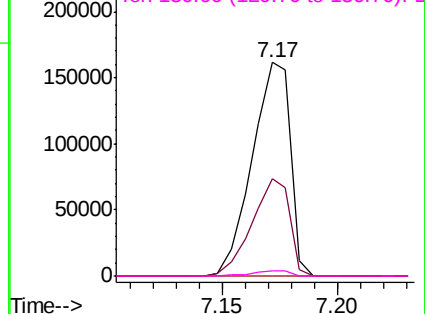
42 45.6 42.6 63.8

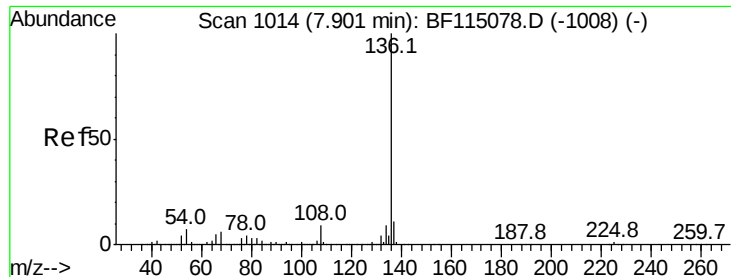
101 0.0 8.0 12.0#

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): B
Ion 130.00 (129.70 to 130.70): B

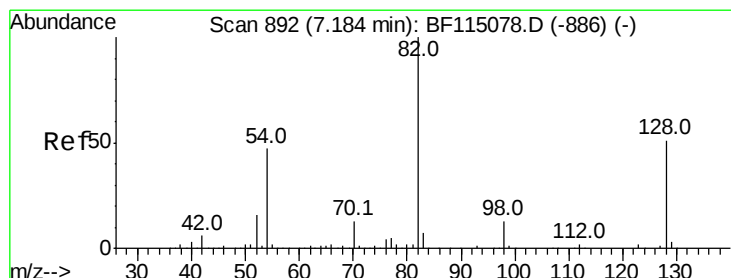
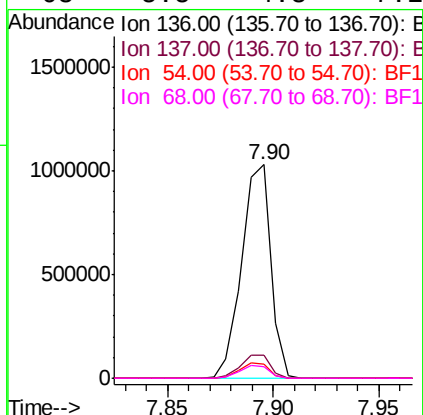
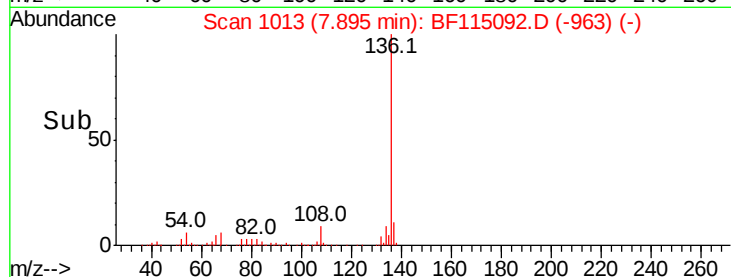
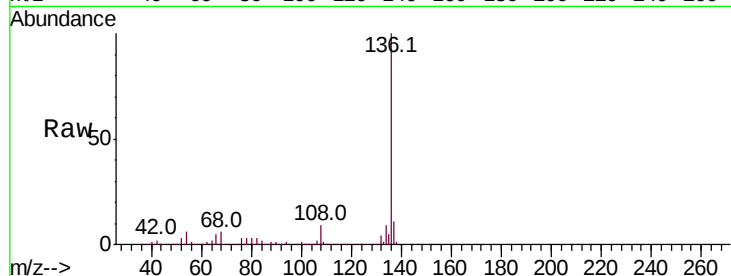




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

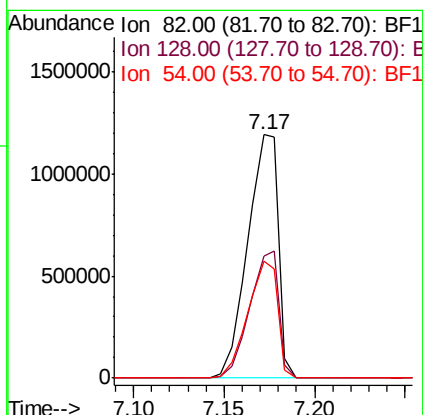
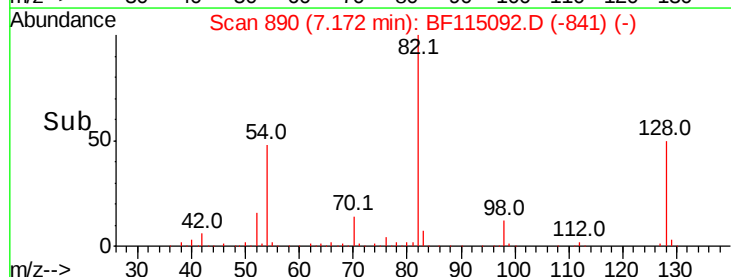
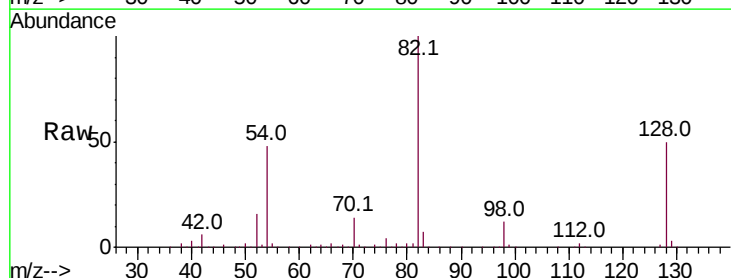
Instrument :
BNA_F
ClientSampleId :
PB120707BL

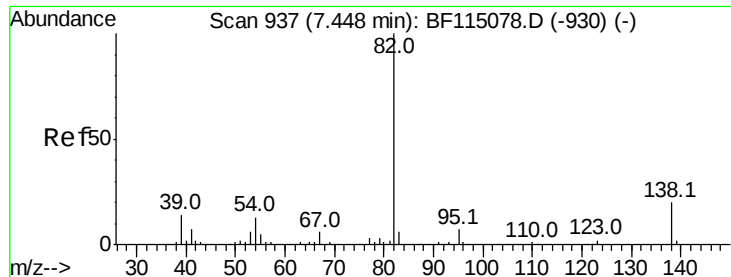
Tot Ion:136	Resp:	986991	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.9	13.3	
54 6.4	5.6	8.4	
68 5.5	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 87.015 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Tgt Ion: 82	Resp: 1396119
Ion Ratio	Lower Upper
82 100	
128 50.0	40.4 60.6
54 48.1	37.5 56.3





#25

Isophorone

Concen: 40.643 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

Instrument :

BNA_F

ClientSampleId :

PB120707BL

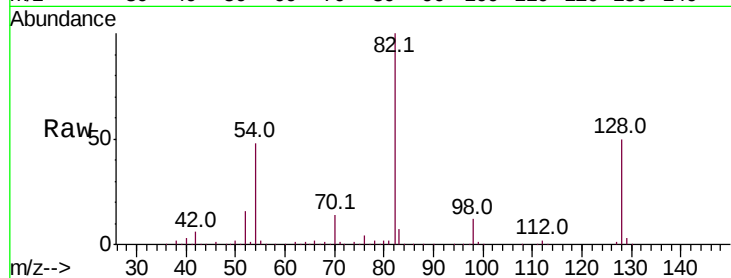
Tot Ion: 82 Resp: 1335871

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

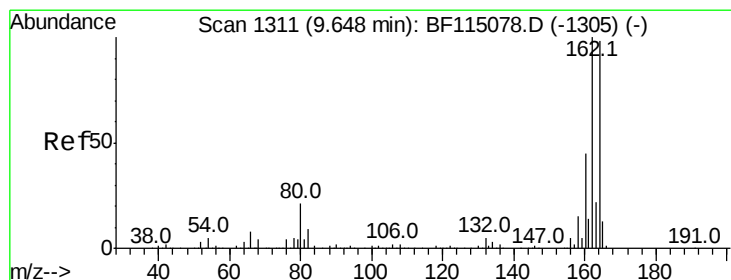
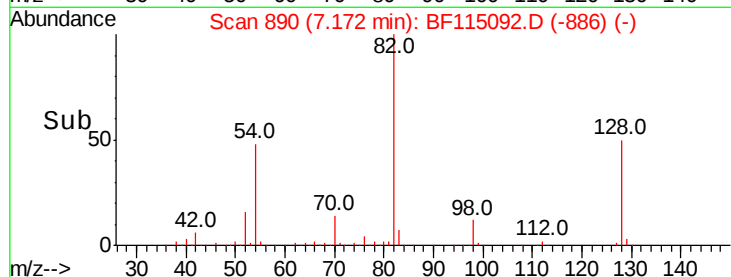
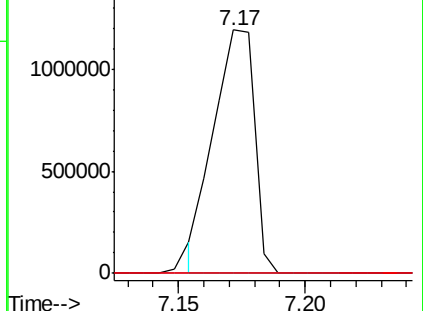
138 0.0 15.9 23.9#



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# 1310

Delta R.T. -0.01 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

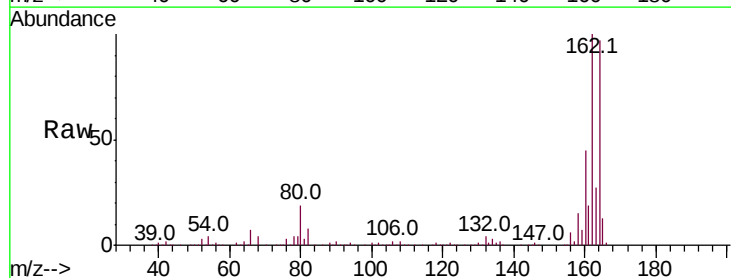
Tgt Ion:164 Resp: 487970

Ion Ratio Lower Upper

164 100

162 103.2 81.7 122.5

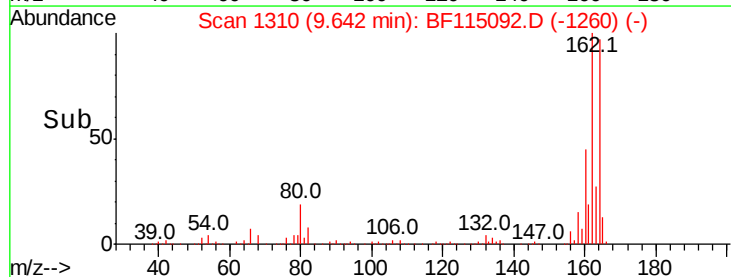
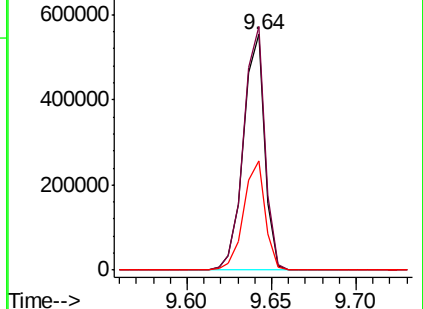
160 46.3 37.0 55.4

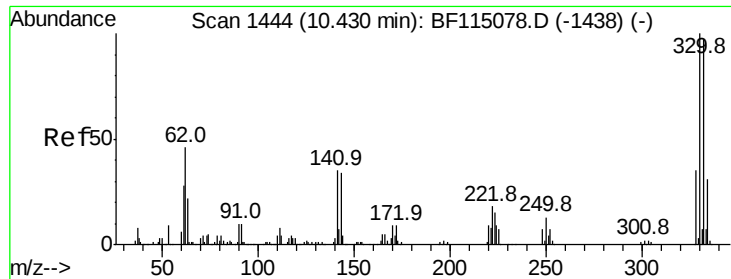


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

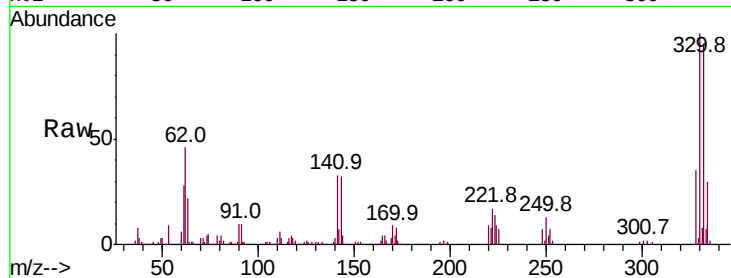




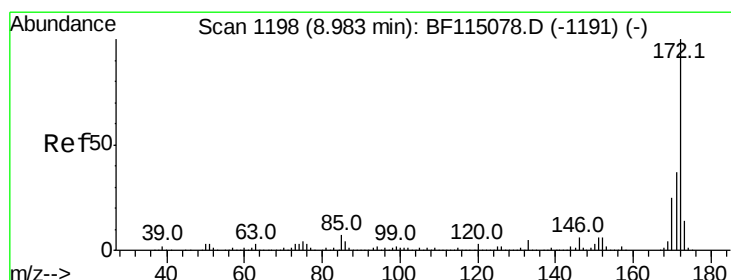
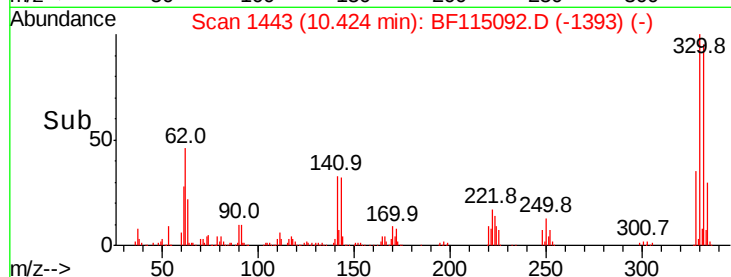
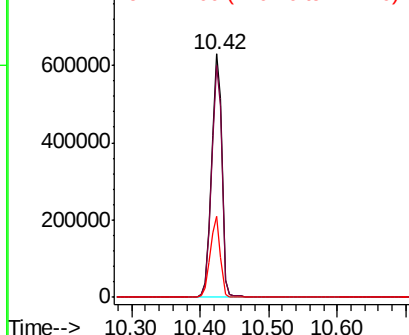
#42
 2,4,6-Tribromophenol
 Concen: 128.088 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF115092.D
 Acq: 21 Jun 2019 21:51

Instrument :
 BNA_F
 ClientSampleId :
 PB120707BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	33.1	28.2	42.2

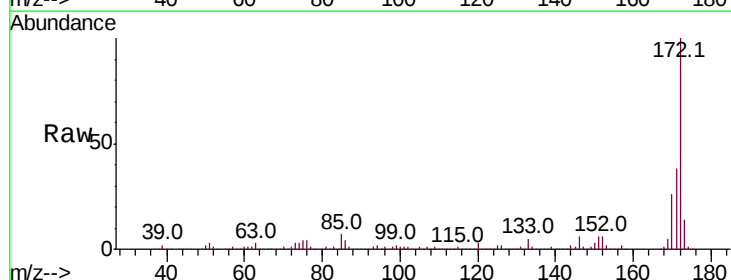


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

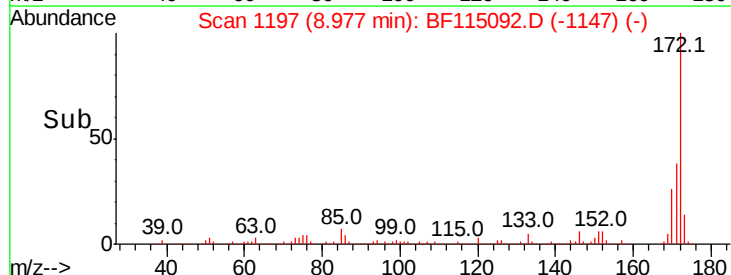
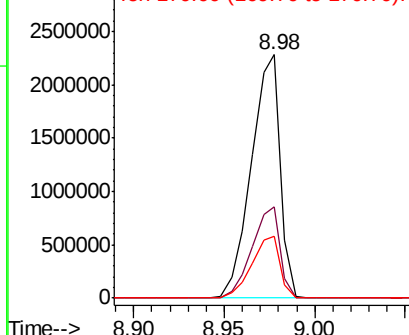


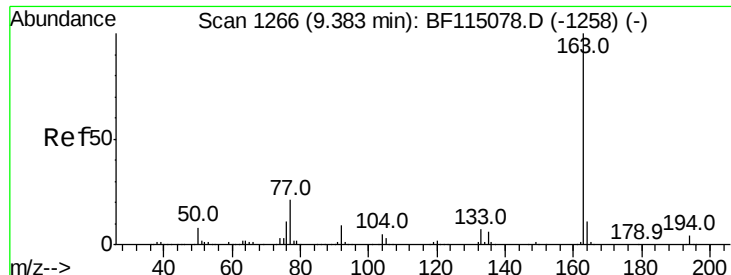
#45
 2-Fluorobiphenyl
 Concen: 87.800 ng
 RT: 8.98 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115092.D
 Acq: 21 Jun 2019 21:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.8	44.6
170	25.7	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: 3.881 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.26 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

Instrument :

BNA_F

ClientSampleId :

PB120707BL

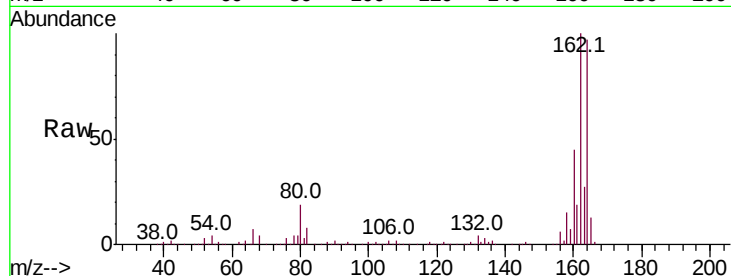
Tot Ion:163 Resp: 139345

Ion Ratio Lower Upper

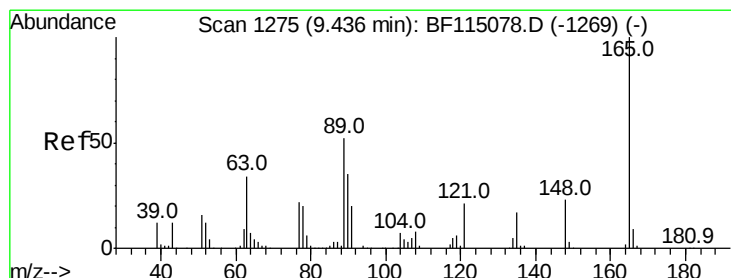
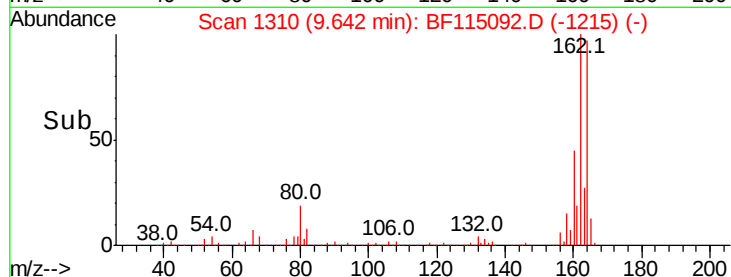
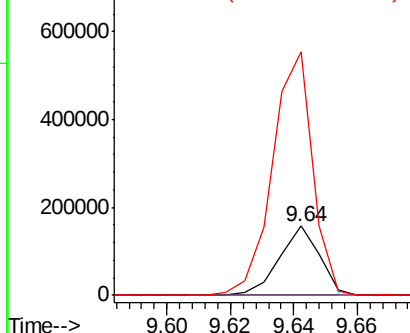
163 100

194 0.0 3.2 4.8#

164 352.6 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: 7.648 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

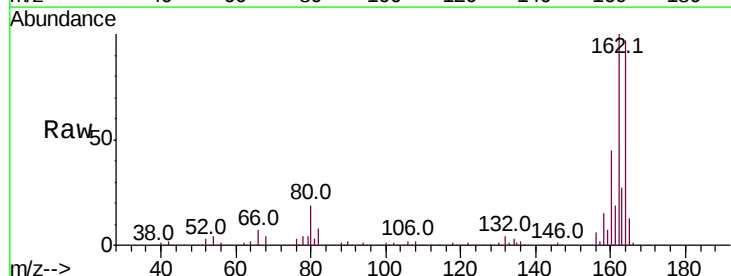
Tgt Ion:165 Resp: 63393

Ion Ratio Lower Upper

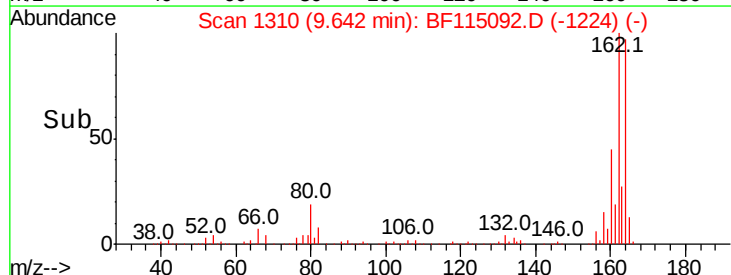
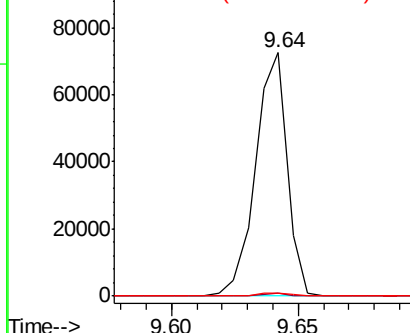
165 100

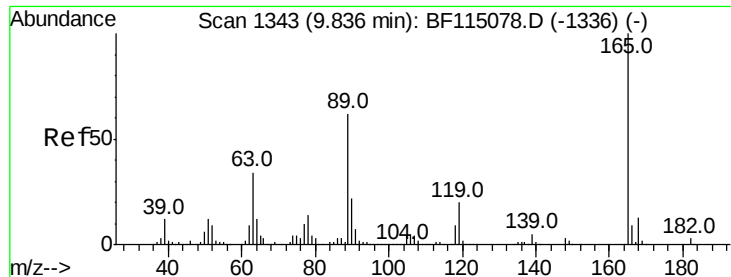
63 1.2 39.4 59.2#

89 1.2 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

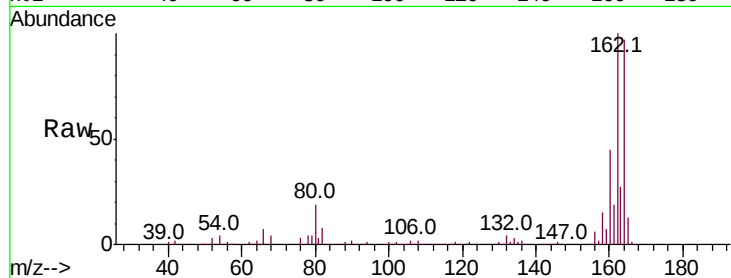




#57
2,4-Dinitrotoluene
Concen: 5.923 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Instrument :
BNA_F
ClientSampleId :
PB120707BL

Tot 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#



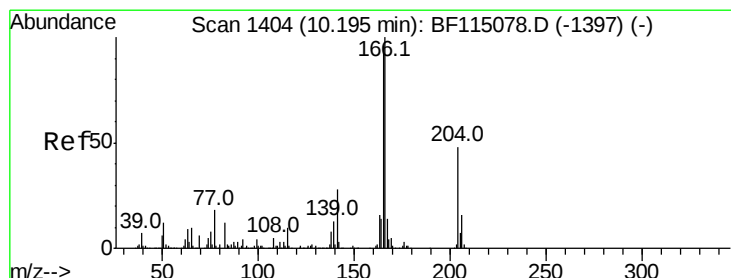
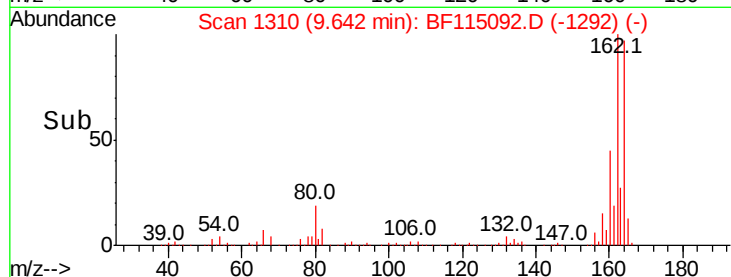
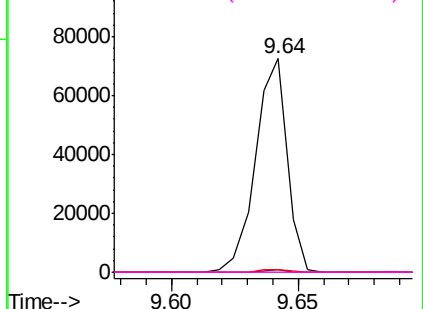
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

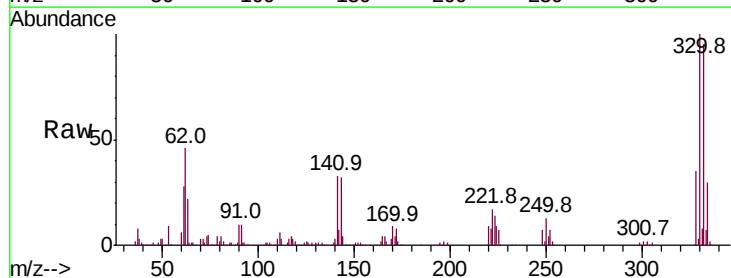
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 1443
Delta R.T. 0.23 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	76.5	114.7
167	36.1	11.0	16.4#

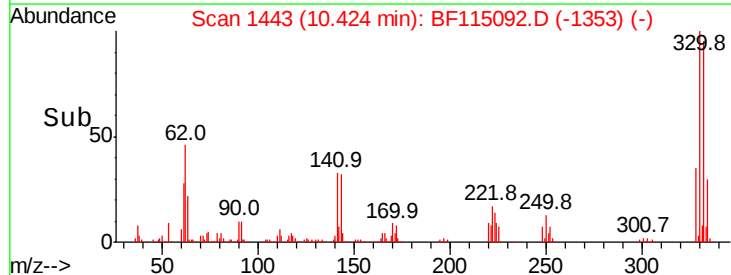
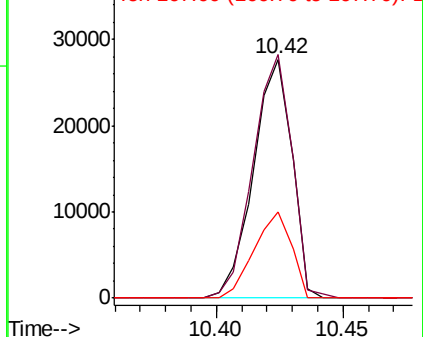


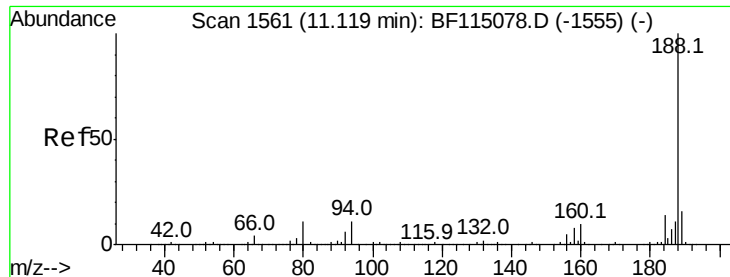
Abundance

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: BF115092.D

Acq: 21 Jun 2019 21:51

Instrument :

BNA_F

ClientSampleId :

PB120707BL

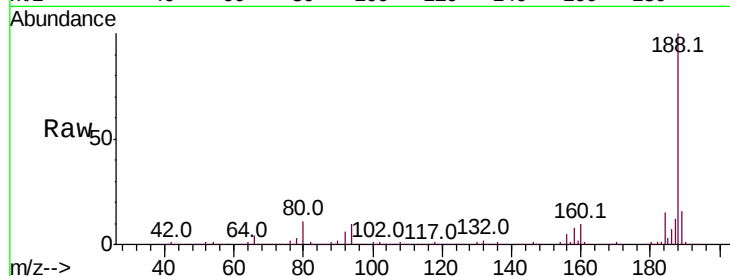
Tot Ion:188 Resp: 982093

Ion Ratio Lower Upper

188 100

94 10.4 8.6 12.8

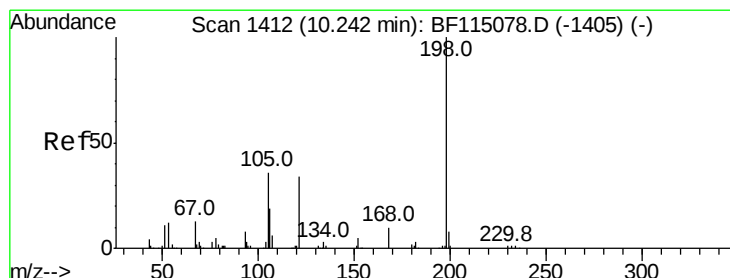
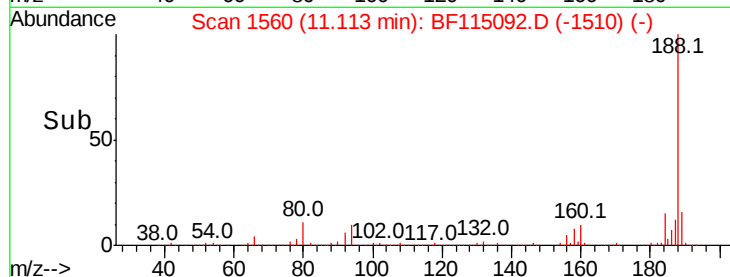
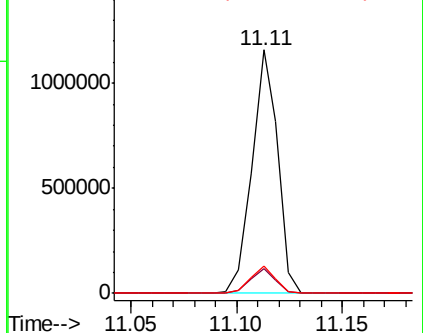
80 11.0 8.8 13.2



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: 5.226 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

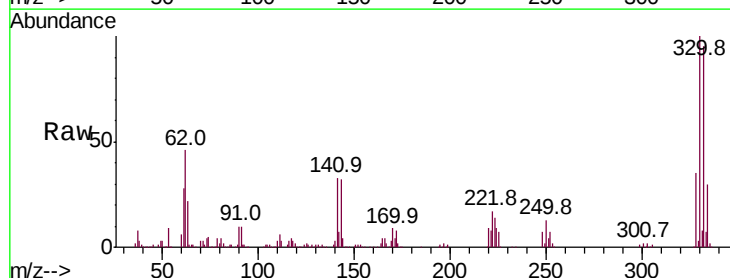
Tgt Ion:198 Resp: 1550

Ion Ratio Lower Upper

198 100

51 172.1 11.0 51.0#

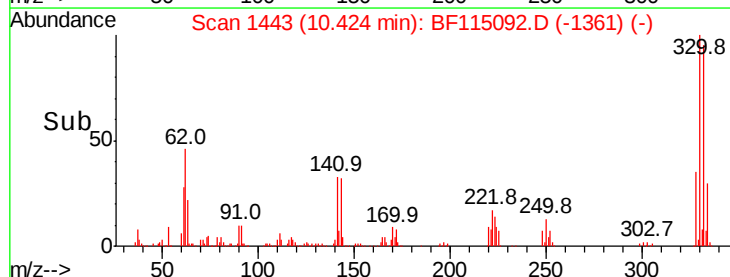
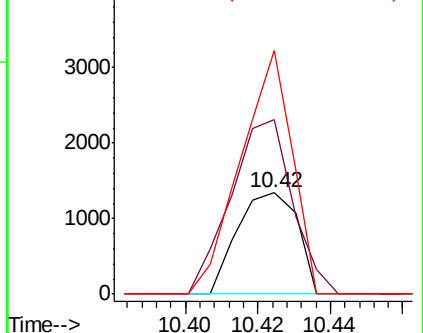
105 240.2 17.3 57.3#

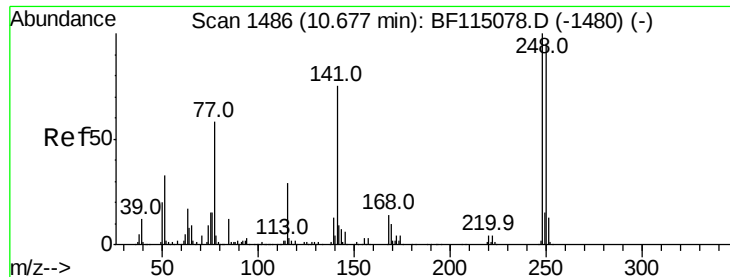


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

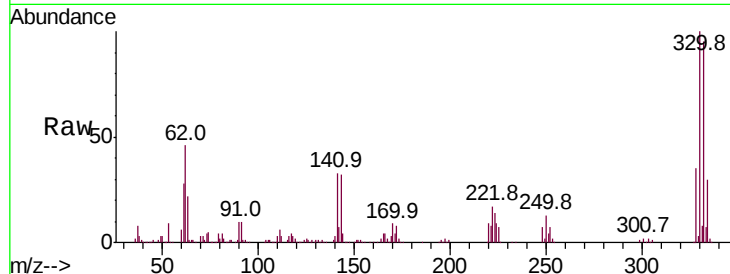




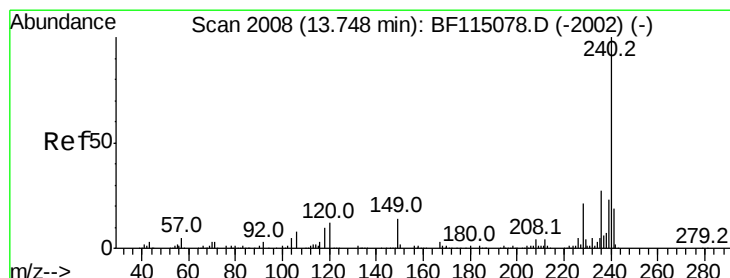
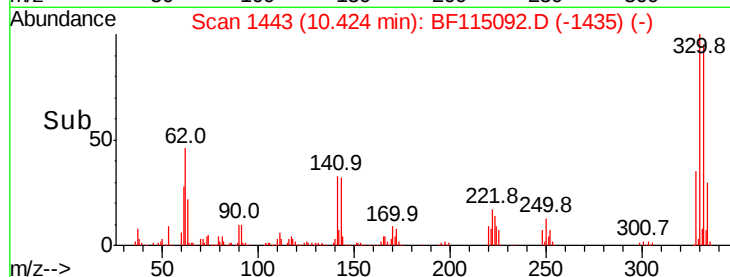
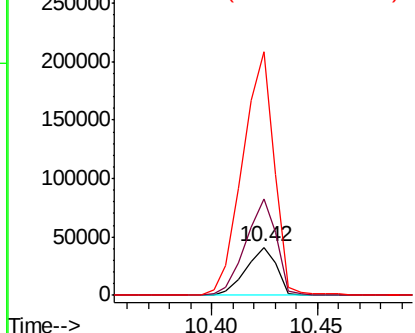
#67
4-Bromophenyl-phenylether
Concen: 3.900 ng
RT: 10.42 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Instrument :
BNA_F
ClientSampleId :
PB120707BL

Tot Ion:248 Resp: 41522
Ion Ratio Lower Upper
248 100
250 199.3 76.2 114.2#
141 504.4 59.6 89.4#

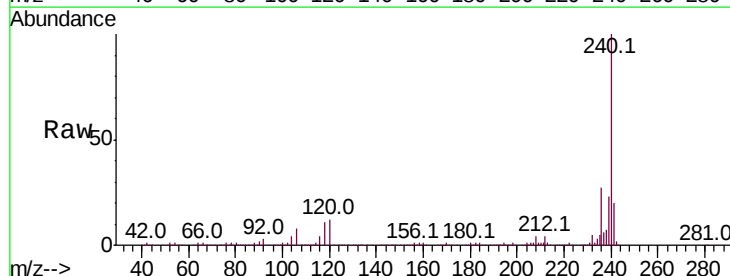


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

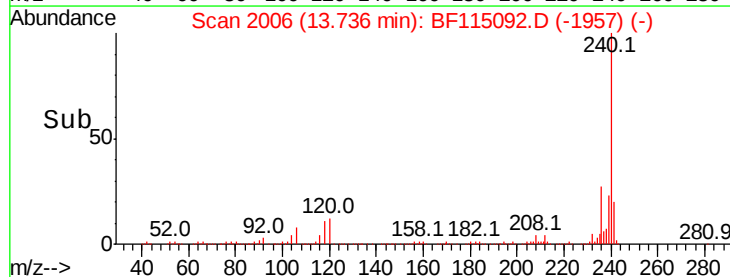
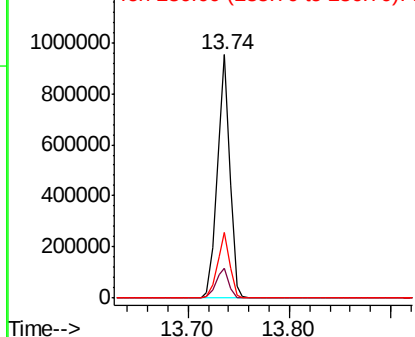


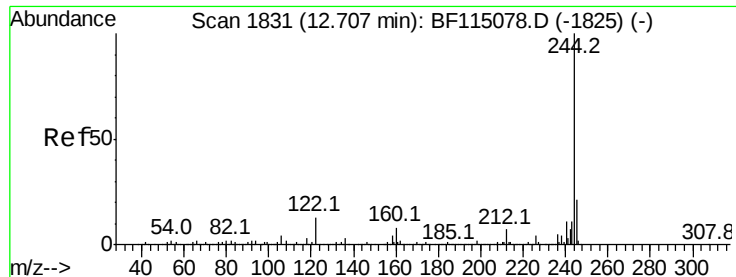
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115092.D
Acq: 21 Jun 2019 21:51

Tgt Ion:240 Resp: 814994
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 27.2 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: 77.308 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

Instrument :

BNA_F

ClientSampleId :

PB120707BL

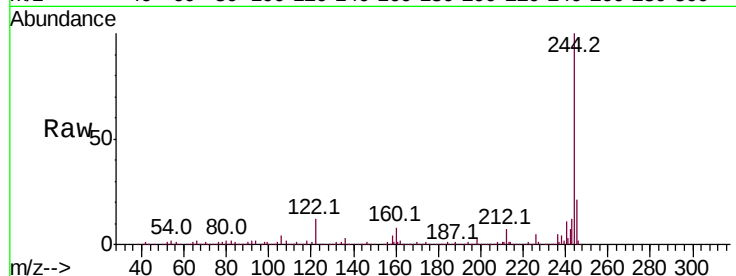
Tot Ion:244 Resp: 2963357

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	11.9	10.4	15.6

244 100

212 7.5 5.8 8.6

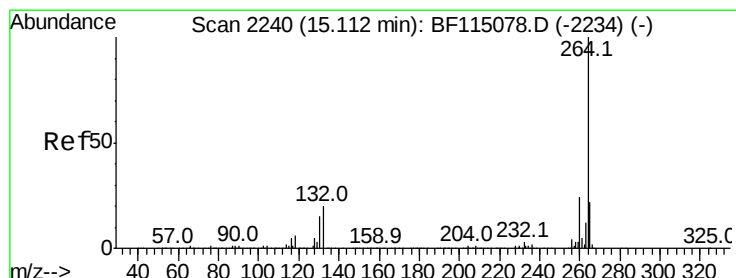
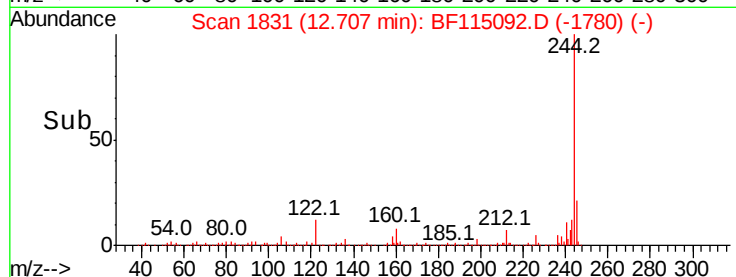
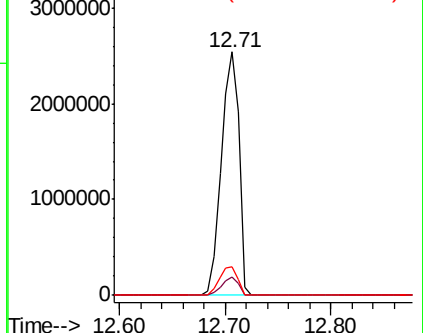
122 11.9 10.4 15.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF115092.D

Acq: 21 Jun 2019 21:51

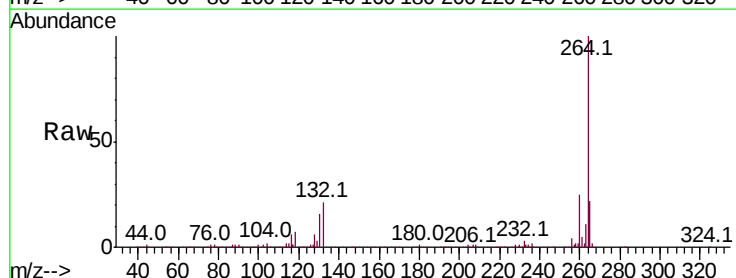
Tgt Ion:264 Resp: 836489

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.6	29.4
265	22.5	17.3	25.9

264 100

260 25.0 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

