

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115147.D
 Acq On : 24 Jun 2019 13:51
 Operator : HP/JU
 Sample : PB120851BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB120851BL

Quant Time: Jun 25 07:39:30 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

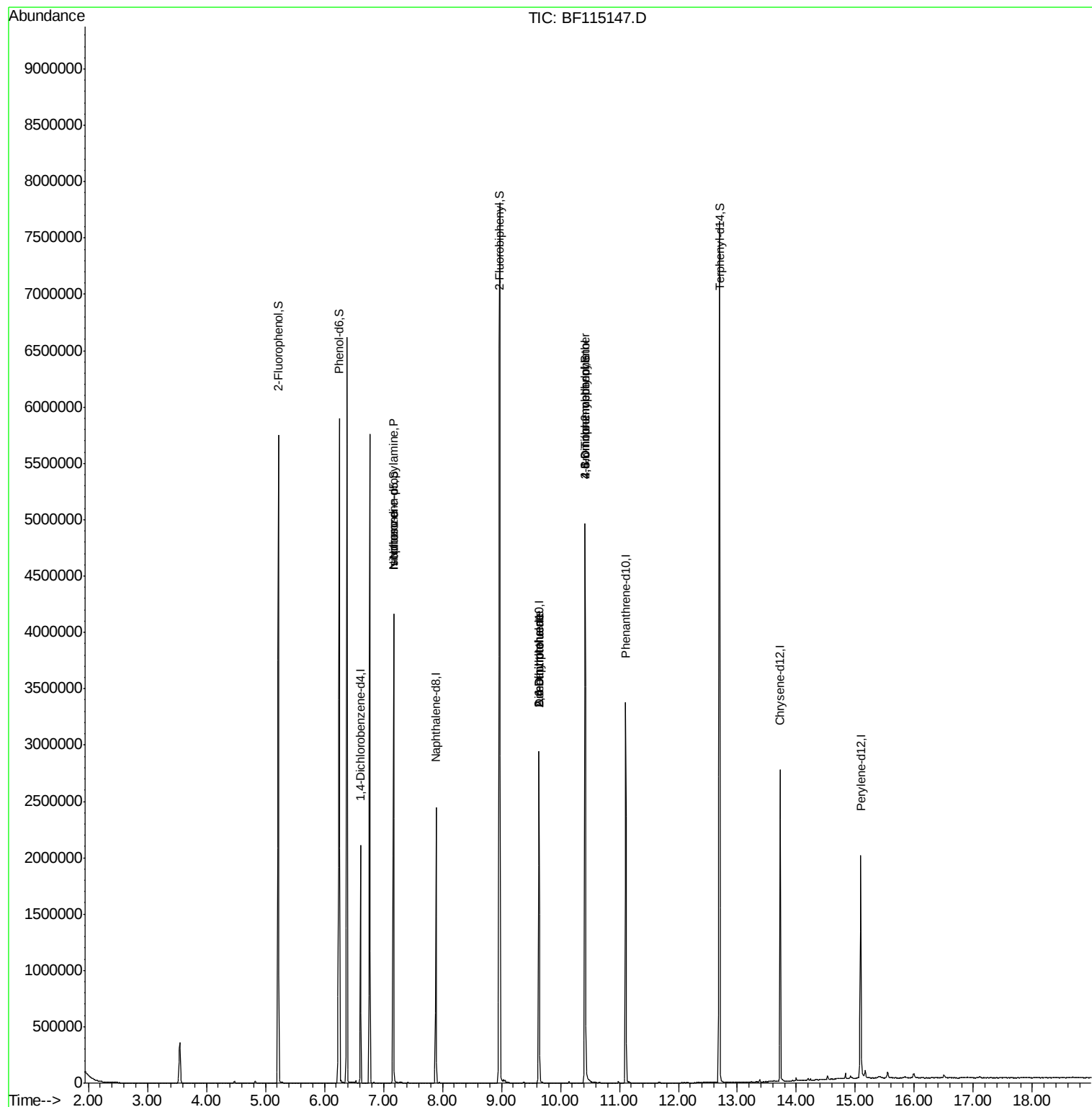
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	308592	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1173358	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	595071	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1187419	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	917156	20.00	ng	-0.02
87) Perylene-d12	15.09	264	855544	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	2023883	101.21	ng	0.02
7) Phenol-d6	6.25	99	2511199	103.46	ng	0.00
23) Nitrobenzene-d5	7.17	82	1565602	82.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	735757	117.25	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2884525	82.34	ng	-0.01
79) Terphenyl-d14	12.70	244	3259401	75.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	208047	13.389	ng	# 78
25) Isophorone	7.17	82	1534693	39.276	ng	# 63
50) Dimethylphthalate	9.64	163	165727	3.785	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	76762	7.594	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	76762	5.882	ng	# 30
58) Fluorene	10.42	166	31503	Below Cal		# 84
65) 4,6-Dinitro-2-methylphenol	10.42	198	1494	5.172	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	46555	3.616	ng	# 1

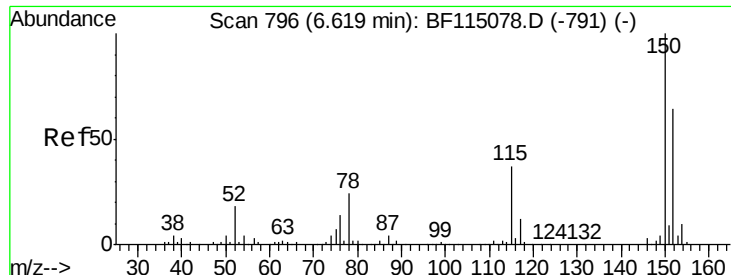
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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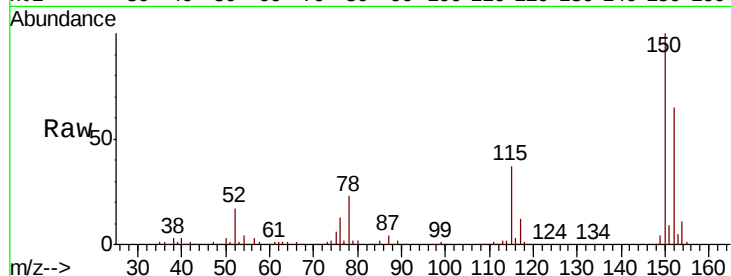


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115147.D
Acq: 24 Jun 2019 13:51

Instrument :
BNA_F
ClientSampleId :
PB120851BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.2	186.2
115	57.2	46.1	69.1

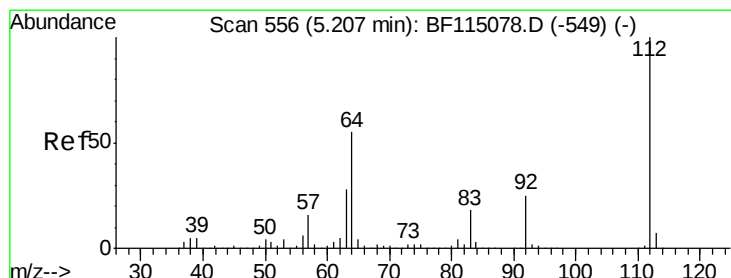
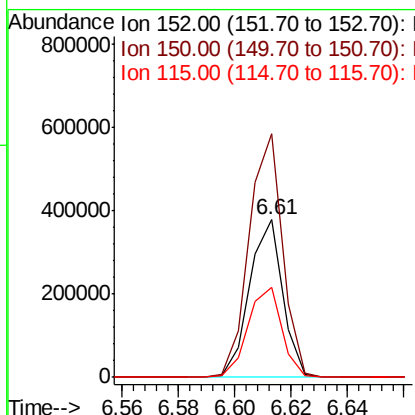
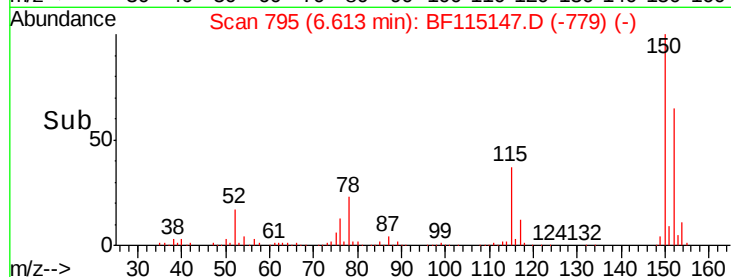


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

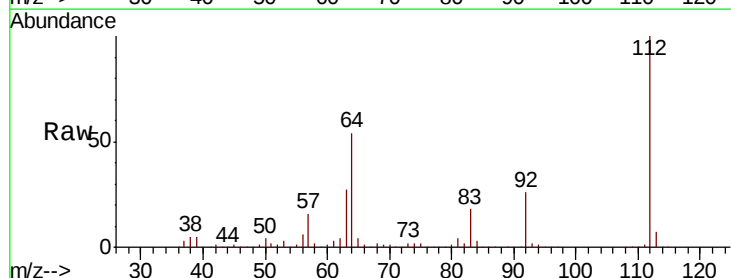
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.208 ng
RT: 5.22 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF115147.D
Acq: 24 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.8	65.6
63	27.4	22.2	33.4

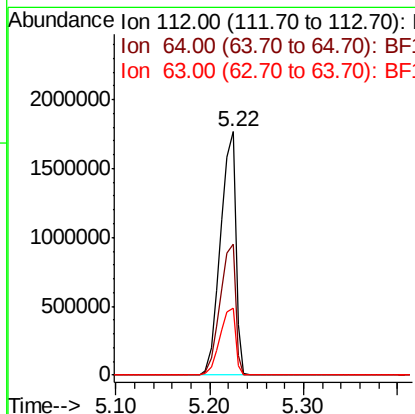
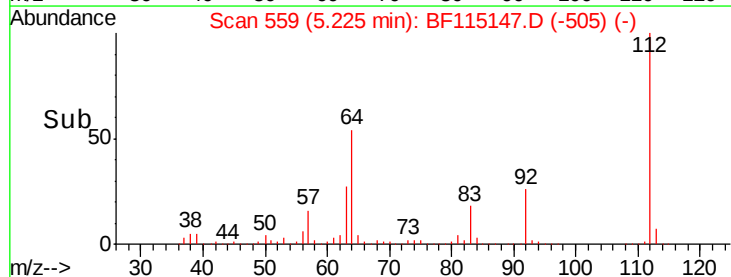


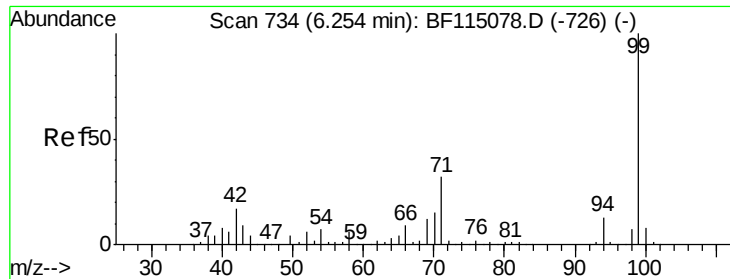
Abundance

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: 103.462 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

BNA_F

ClientSampled :

PB120851BL

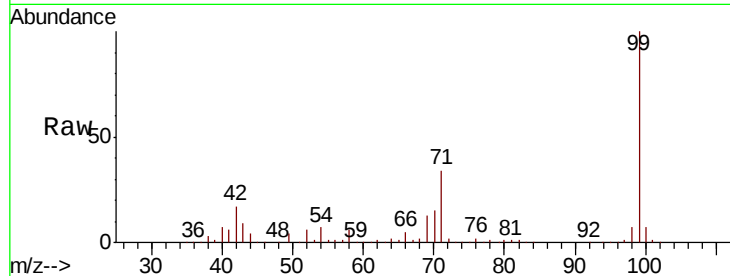
Tot Ion: 99 Resp: 2511199

Ion Ratio Lower Upper

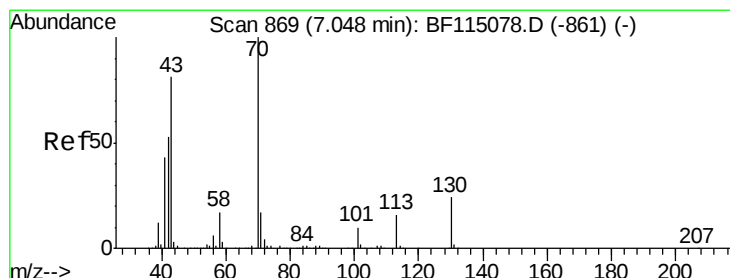
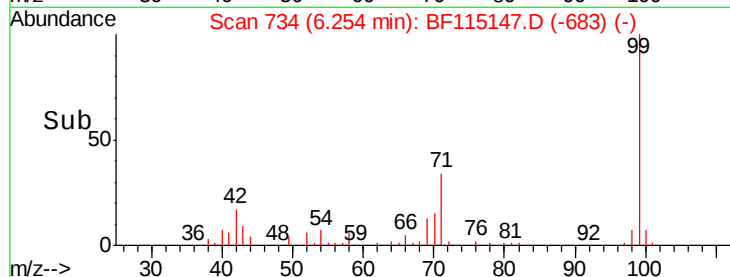
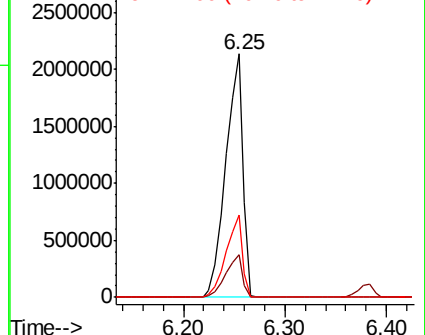
99 100

42 17.4 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: 13.389 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Tgt Ion: 70 Resp: 208047

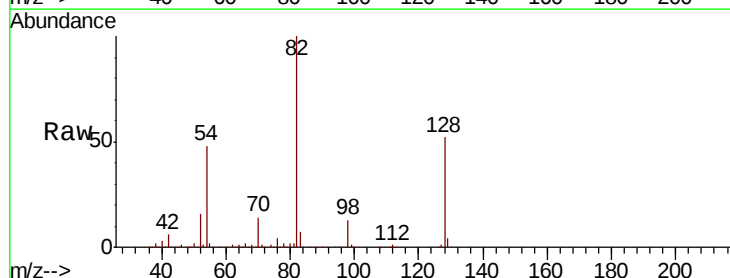
Ion Ratio Lower Upper

70 100

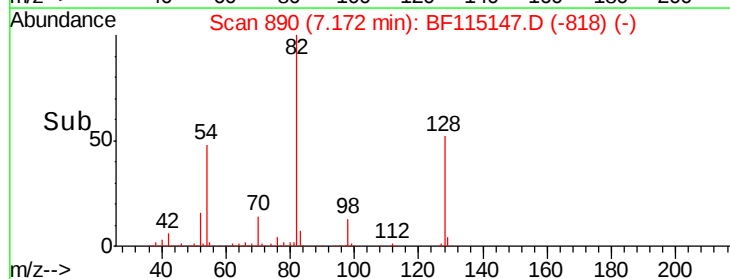
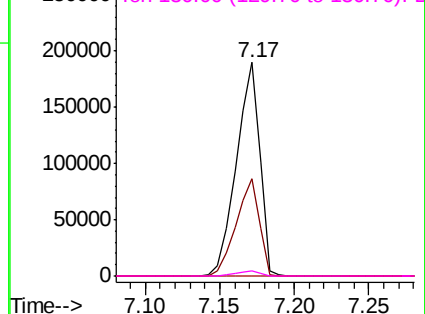
42 45.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.6 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



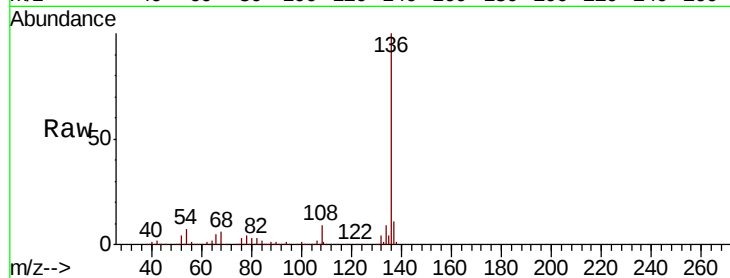


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115147.D
Acq: 24 Jun 2019 13:51

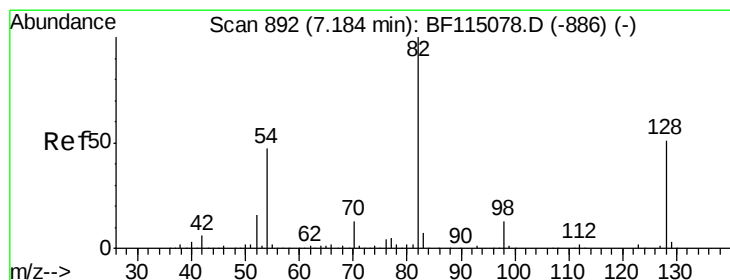
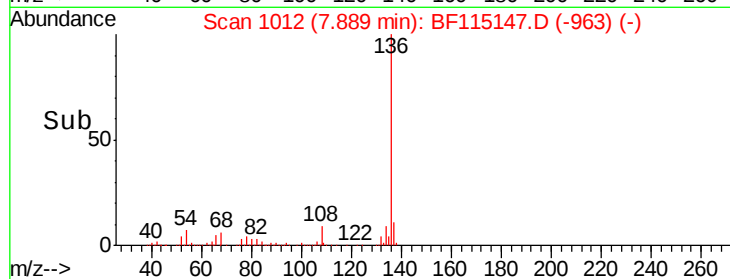
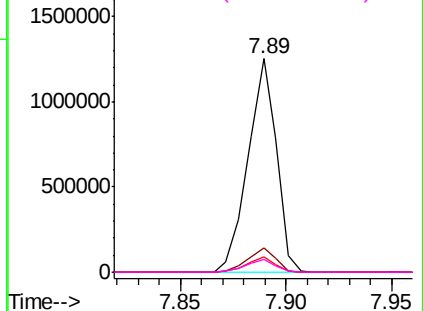
Instrument :
BNA_F
ClientSampleId :
PB120851BL

Tot Ion:136 Resp: 1173358

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.0	5.6	8.4
68	6.1	4.8	7.2



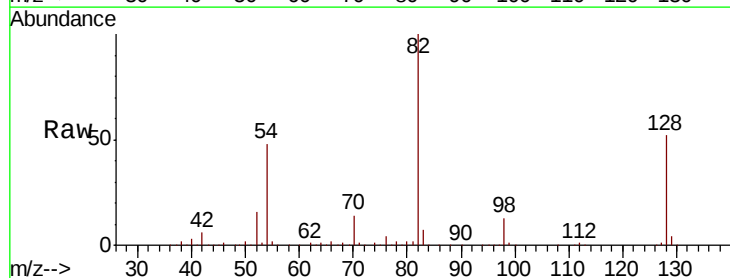
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



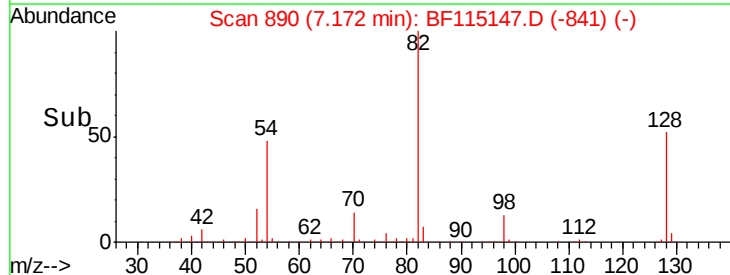
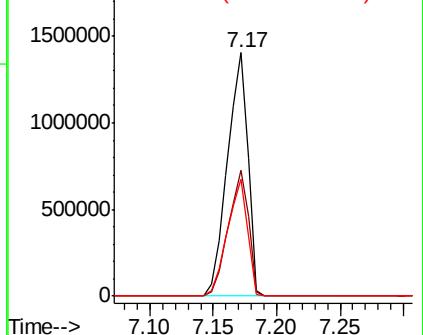
#23
Nitrobenzene-d5
Concen: 82.079 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115147.D
Acq: 24 Jun 2019 13:51

Tgt Ion: 82 Resp: 1565602

Ion	Ratio	Lower	Upper
82	100		
128	51.8	40.4	60.6
54	48.2	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: 39.276 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

BNA_F

ClientSampleId :

PB120851BL

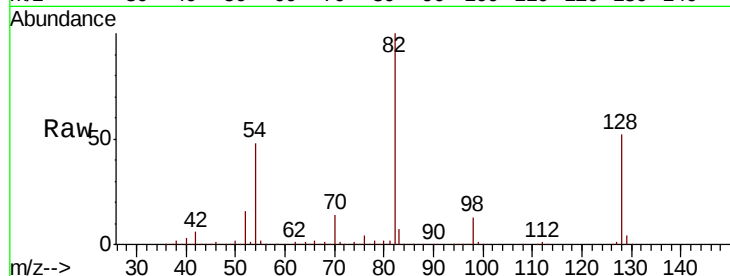
Tot Ion: 82 Resp: 1534693

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

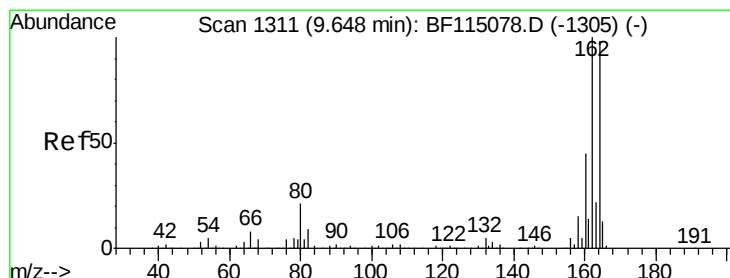
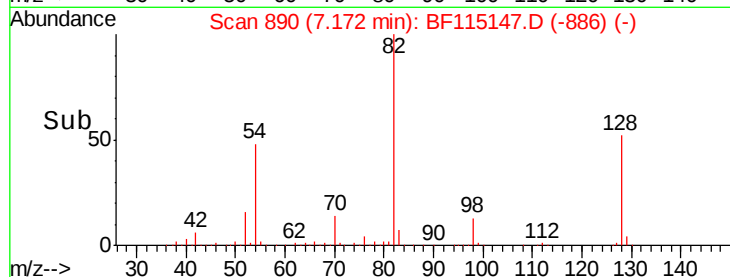
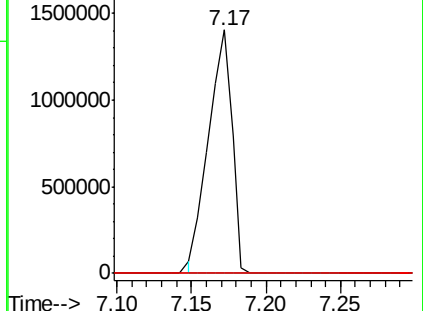
138 0.0 15.9 23.9#



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: BF115147.D

Acq: 24 Jun 2019 13:51

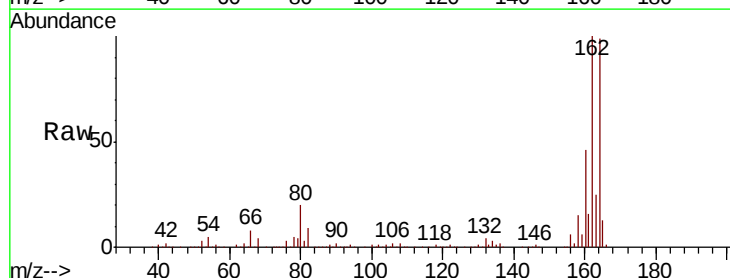
Tgt Ion:164 Resp: 595071

Ion Ratio Lower Upper

164 100

162 101.0 81.7 122.5

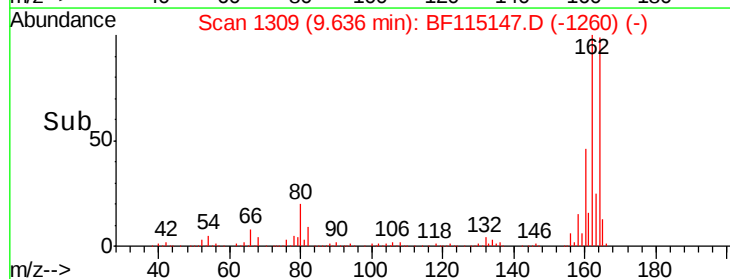
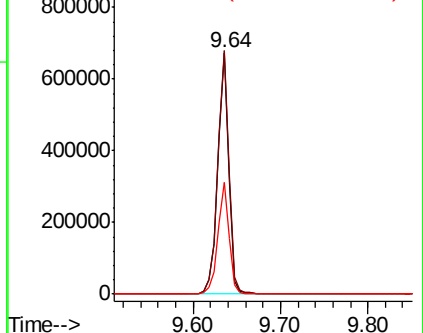
160 46.2 37.0 55.4



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: 117.248 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

BNA_F

ClientSampleId :

PB120851BL

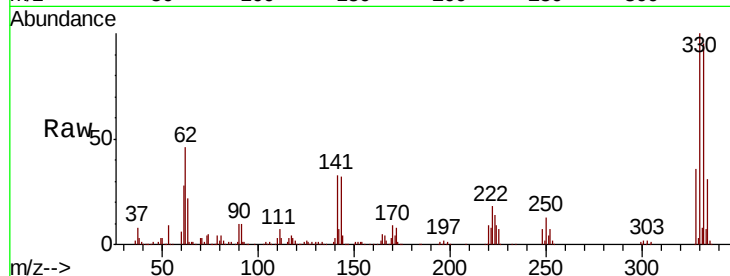
Tot Ion:330 Resp: 735757

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

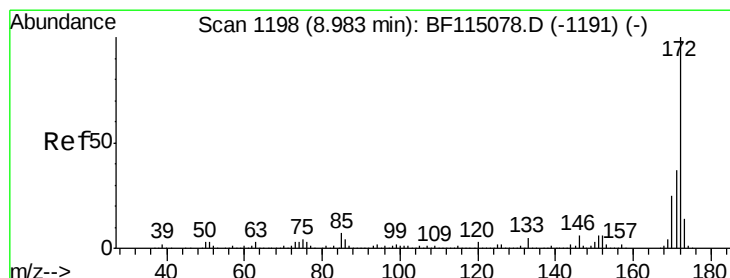
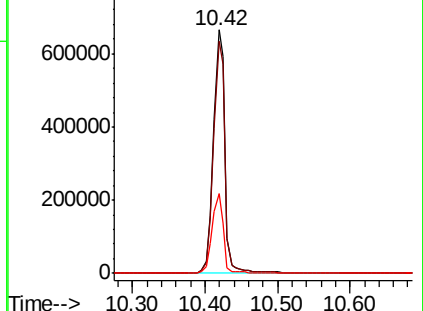
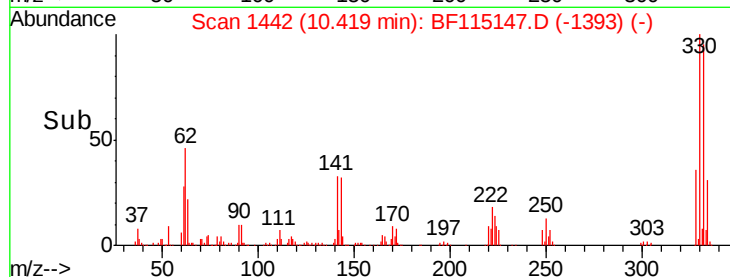
141 32.6 28.2 42.2



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: 82.338 ng

RT: 8.97 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

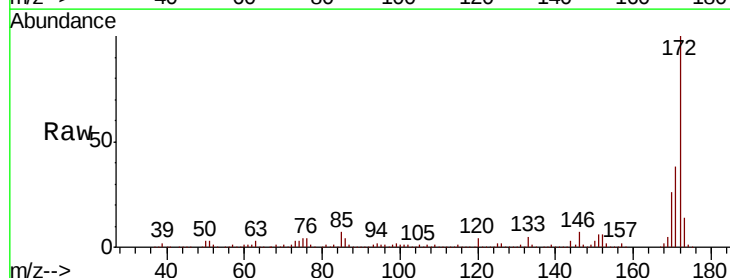
Tgt Ion:172 Resp: 2884525

Ion Ratio Lower Upper

172 100

171 38.3 29.8 44.6

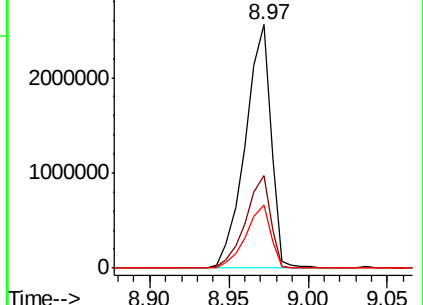
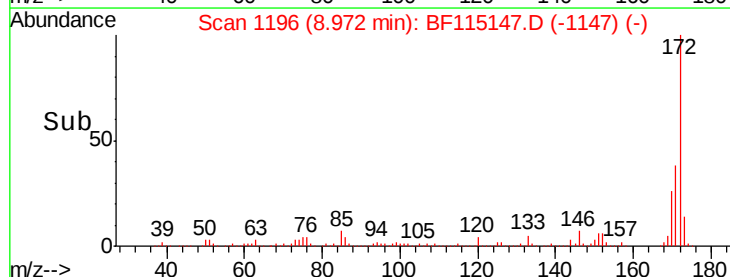
170 26.0 20.3 30.5



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





#50

Dimethylphthalate

Concen: 3.785 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.25 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

BNA_F

ClientSampleId :

PB120851BL

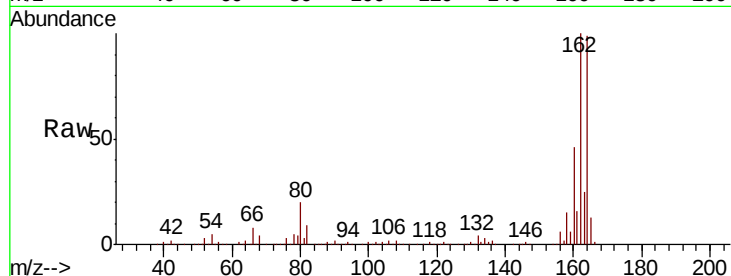
Tot Ion:163 Resp: 165727

Ion Ratio Lower Upper

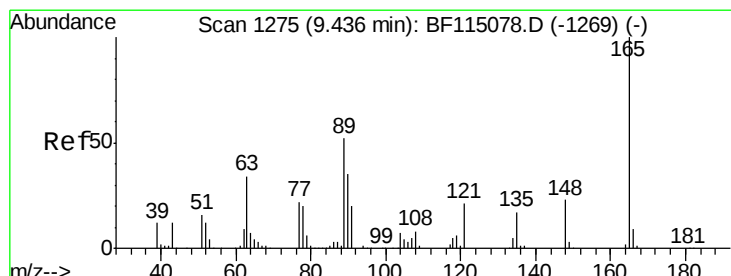
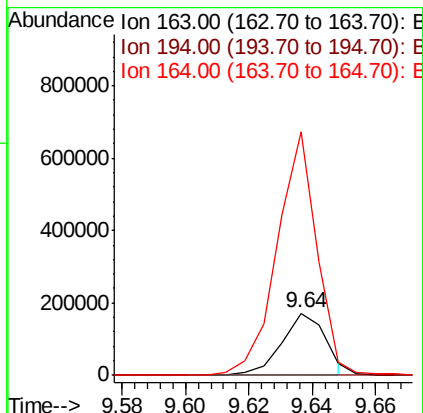
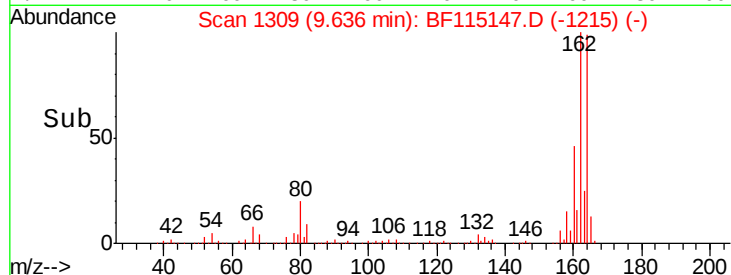
163 100

194 0.0 3.2 4.8#

164 393.6 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: 7.594 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.20 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

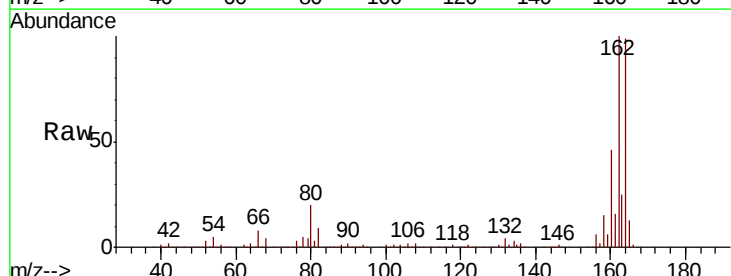
Tgt Ion:165 Resp: 76762

Ion Ratio Lower Upper

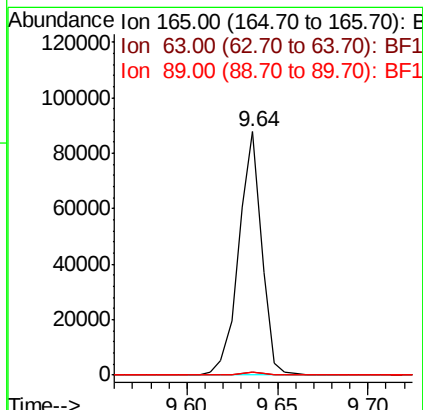
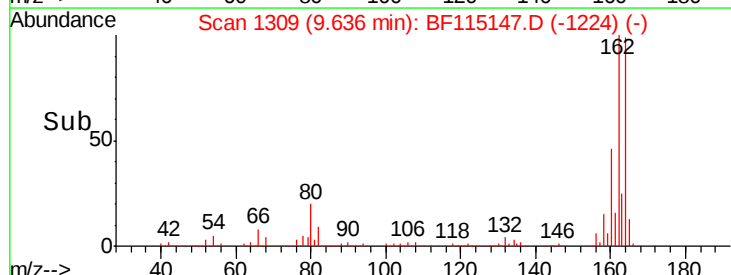
165 100

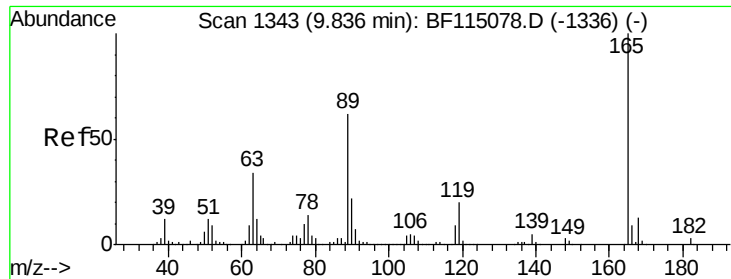
63 1.2 39.4 59.2#

89 1.4 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

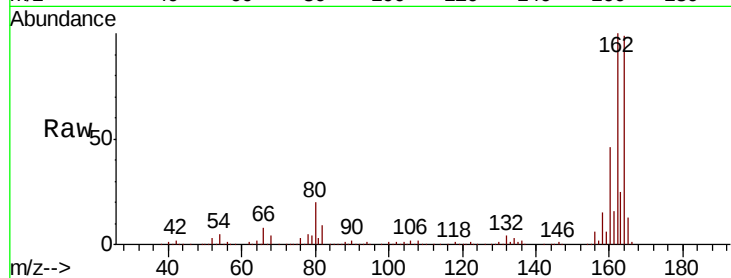




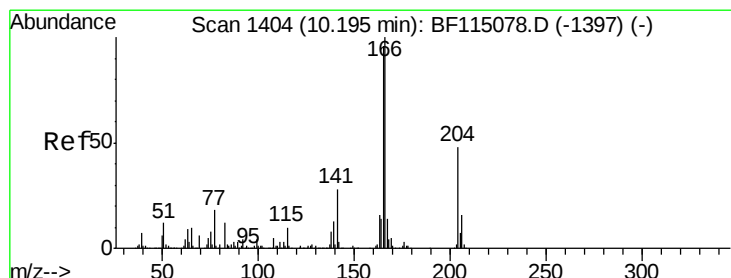
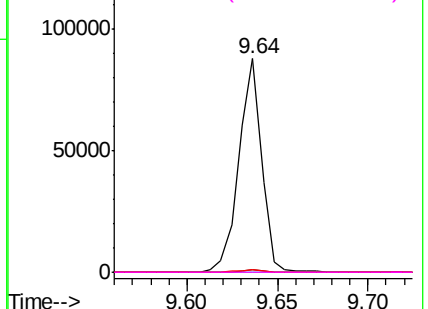
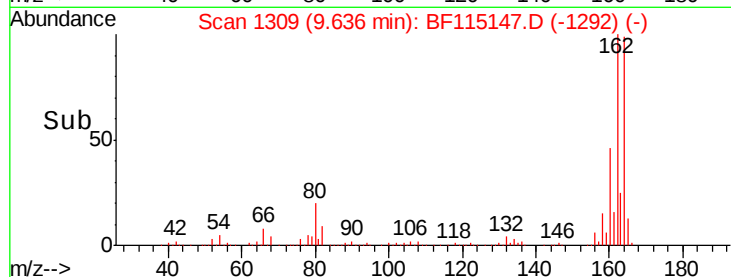
#57
 2,4-Dinitrotoluene
 Concen: 5.882 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF115147.D
 Acq: 24 Jun 2019 13:51

Instrument :
 BNA_F
 ClientSampleId :
 PB120851BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.5	41.3#
89	1.4	49.9	74.9#
182	0.0	2.1	3.1#

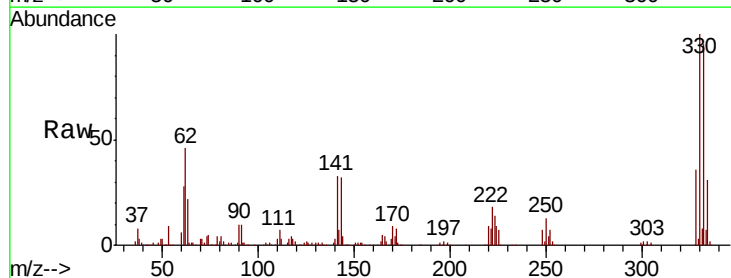


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

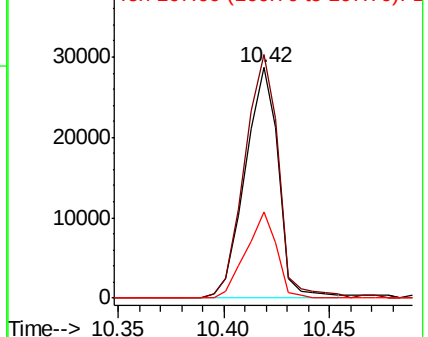
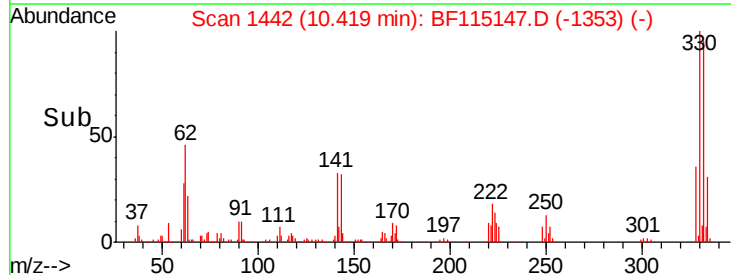


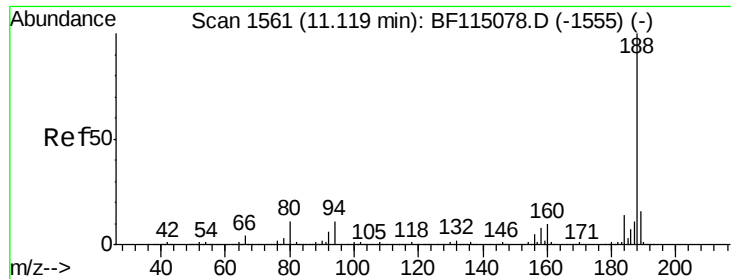
#58
 Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 1442
 Delta R.T. 0.22 min
 Lab File: BF115147.D
 Acq: 24 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.6	76.5	114.7
167	37.4	11.0	16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

BNA_F

ClientSampleId :

PB120851BL

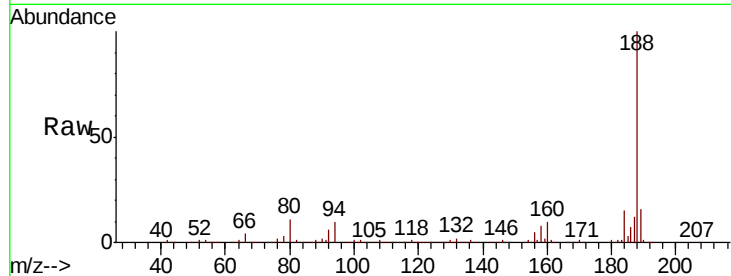
Tot Ion:188 Resp: 1187419

Ion Ratio Lower Upper

188 100

94 10.3 8.6 12.8

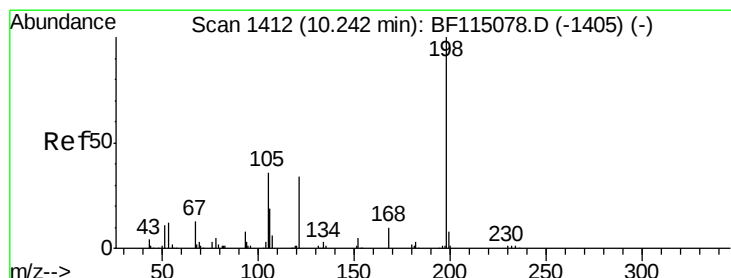
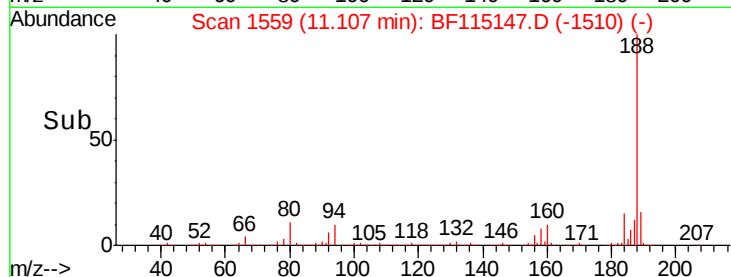
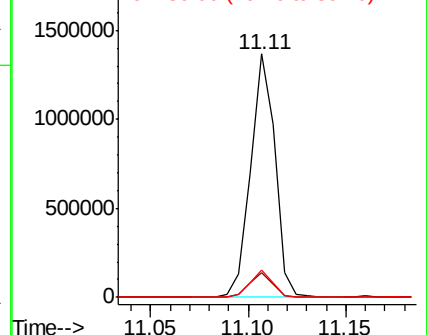
80 11.0 8.8 13.2



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: 5.172 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

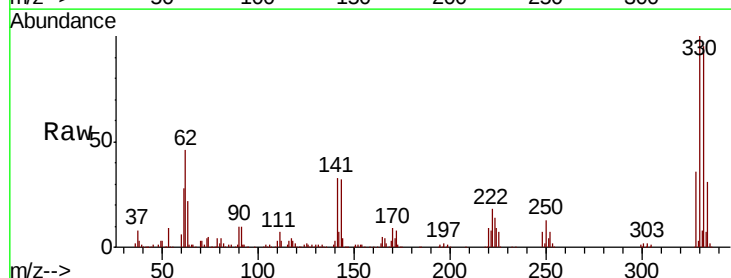
Tgt Ion:198 Resp: 1494

Ion Ratio Lower Upper

198 100

51 145.9 11.0 51.0#

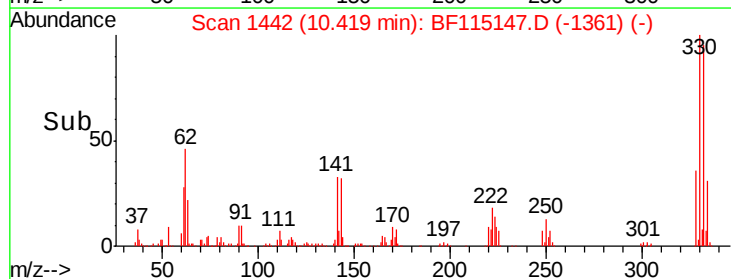
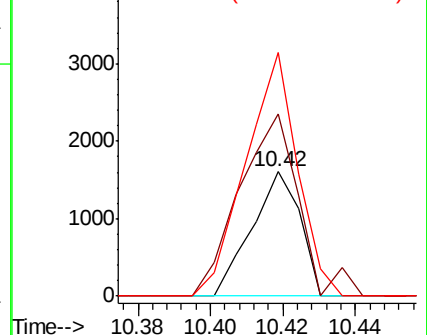
105 195.5 17.3 57.3#

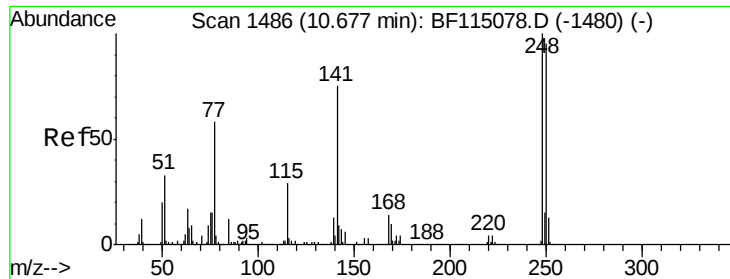


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.616 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.26 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

BNA_F

ClientSampleId :

PB120851BL

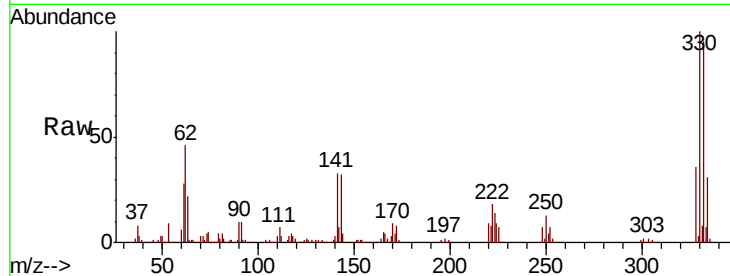
Tot Ion:248 Resp: 46555

Ion Ratio Lower Upper

248 100

250 198.5 76.2 114.2#

141 487.8 59.6 89.4#

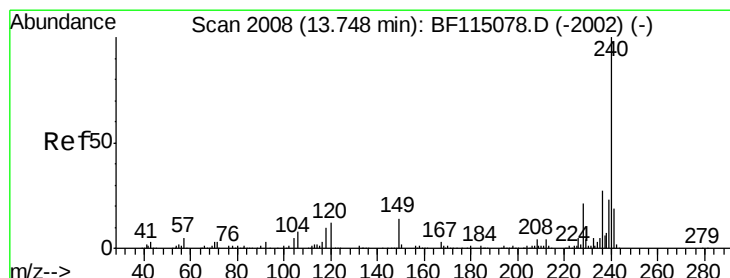
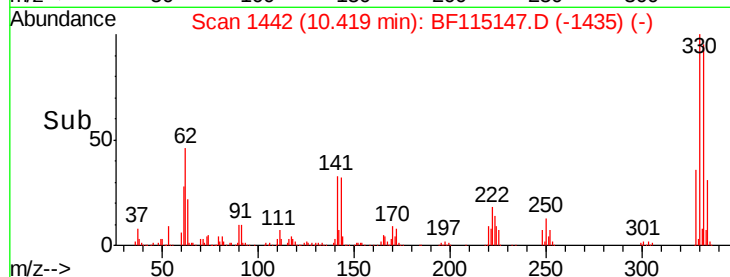
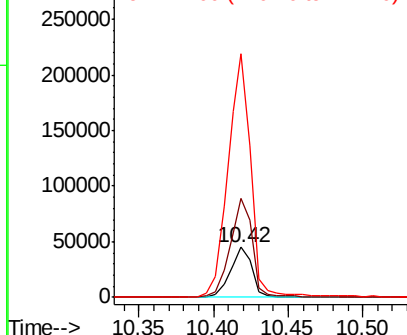


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

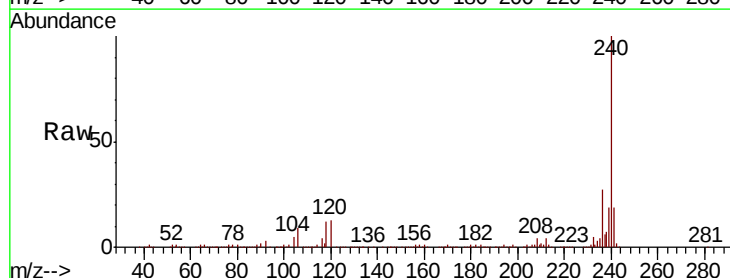
Tgt Ion:240 Resp: 917156

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.2

236 27.0 21.7 32.5

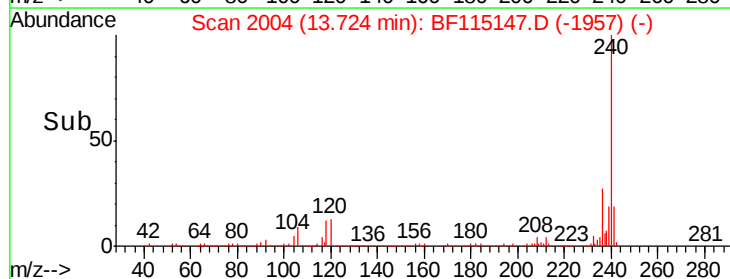
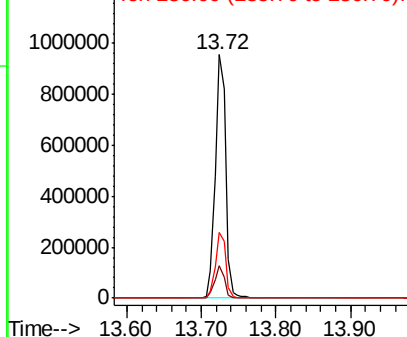


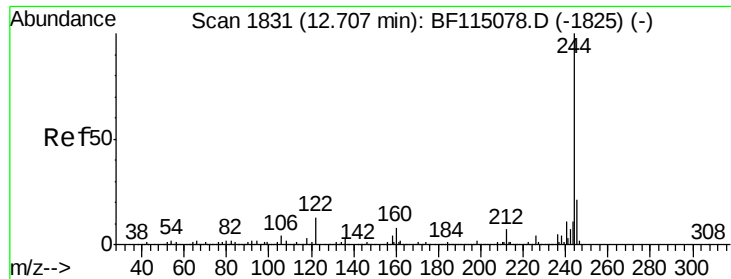
Abundance

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: 75.560 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Instrument :

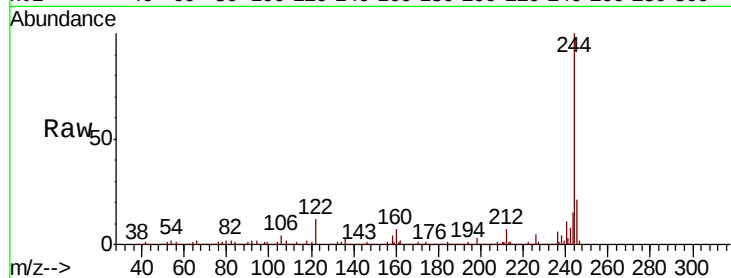
BNA_F

ClientSampleId :

PB120851BL

Tot Ion:244 Resp: 3259401

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	11.7	10.4	15.6

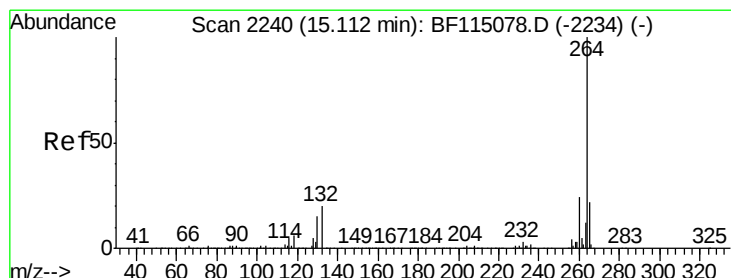
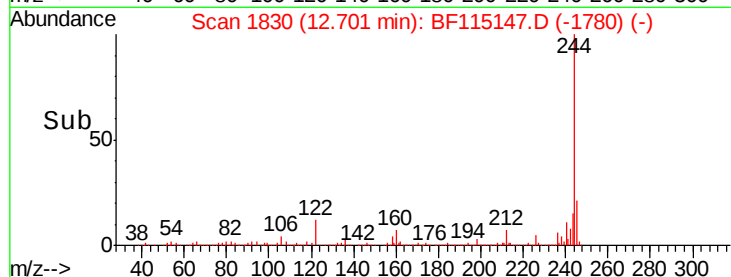
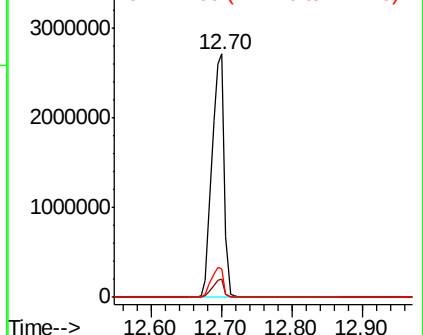


Abundance

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# 2236

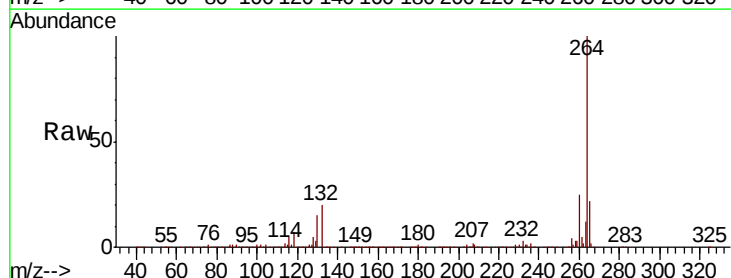
Delta R.T. -0.02 min

Lab File: BF115147.D

Acq: 24 Jun 2019 13:51

Tgt Ion:264 Resp: 855544

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	21.7	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

