

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115143.D
 Acq On : 24 Jun 2019 12:05
 Operator : HP/JU
 Sample : PB120777BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB120777BL

Quant Time: Jun 25 07:38:04 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

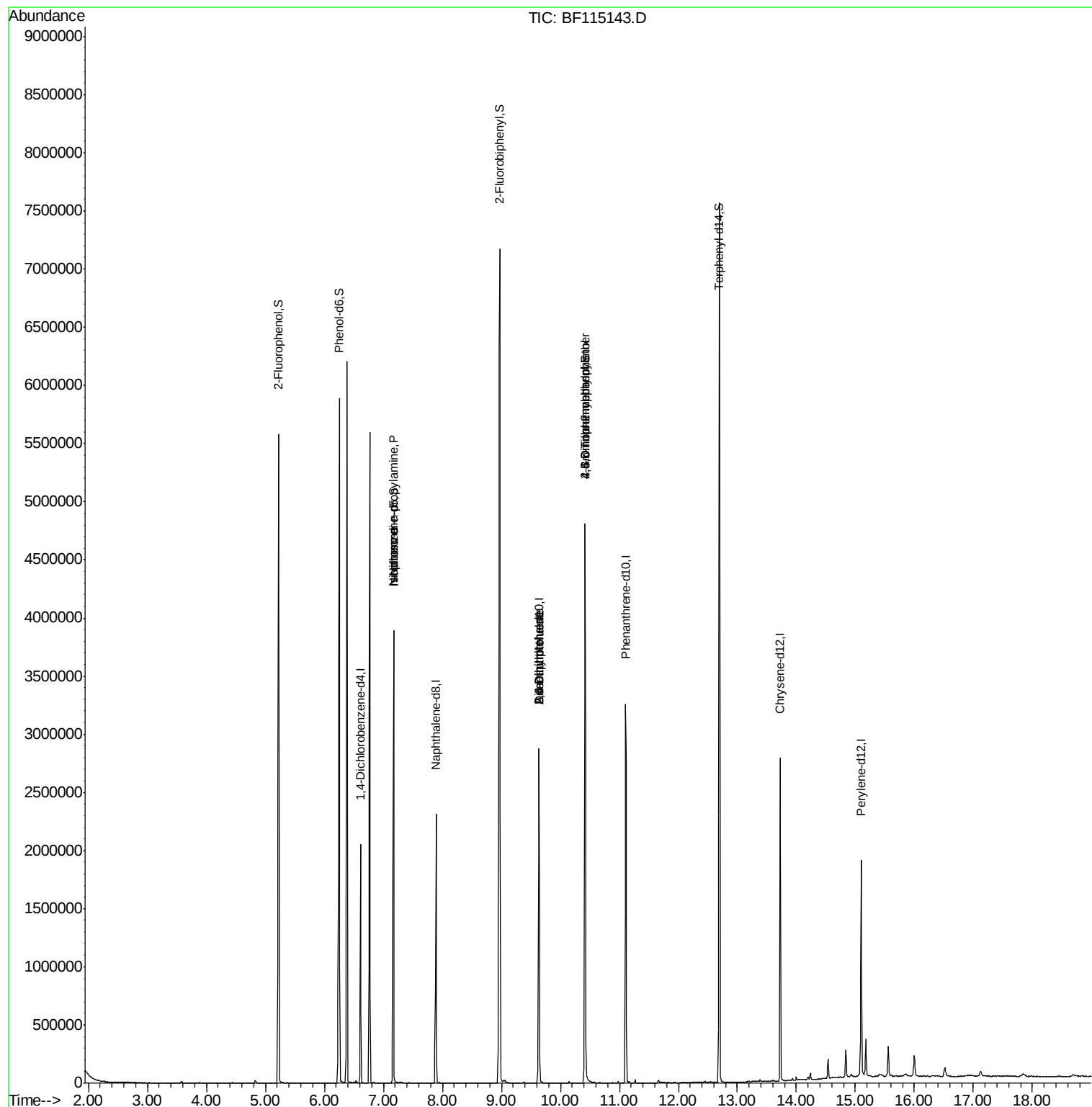
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	314237	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1207806	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	604483	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1206163	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	909715	20.00	ng	-0.02
87) Perylene-d12	15.10	264	812759	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1969309	96.71	ng	0.02
7) Phenol-d6	6.25	99	2376583	96.16	ng	0.00
23) Nitrobenzene-d5	7.17	82	1488973	75.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	672219	105.45	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2885789	81.09	ng	-0.01
79) Terphenyl-d14	12.70	244	3067095	71.68	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	196838	12.440	ng	# 77
25) Isophorone	7.17	82	1444972	35.925	ng	# 63
50) Dimethylphthalate	9.64	163	169813	3.818	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	77982	7.595	ng	# 28
57) 2,4-Dinitrotoluene	9.64	165	77982	5.882	ng	# 30
58) Fluorene	10.42	166	30656	Below Cal		# 91
65) 4,6-Dinitro-2-methylphenol	10.42	198	1403	5.156	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	42163	3.224	ng	# 1

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

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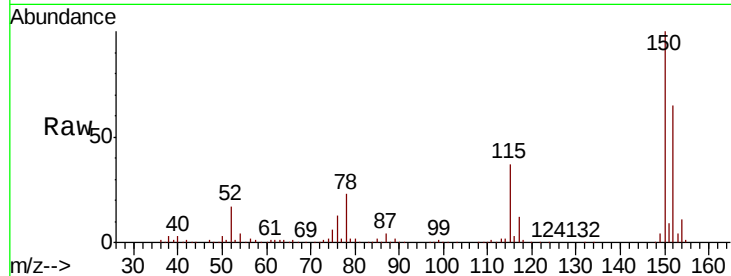


#1

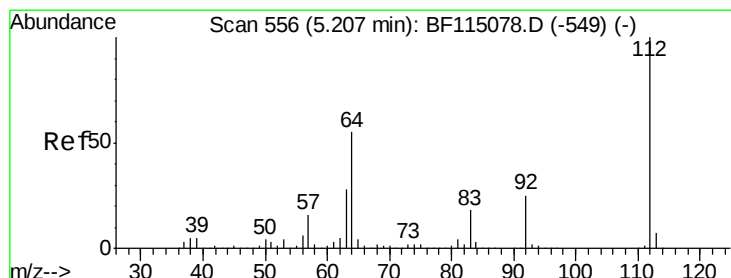
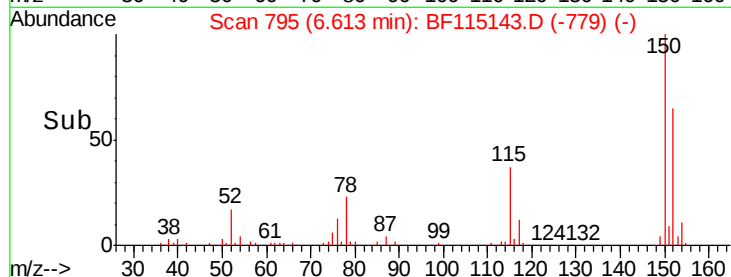
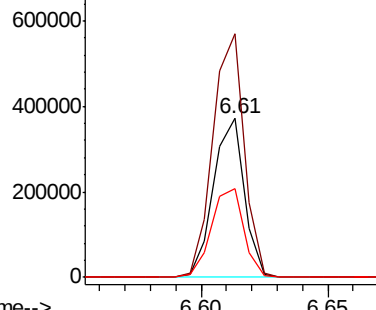
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115143.D
 Acq: 24 Jun 2019 12:05

Instrument :
 BNA_F
 ClientSampleId :
 PB120777BL

Tot Ion:152 Resp: 314237
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.2 186.2
 115 56.3 46.1 69.1



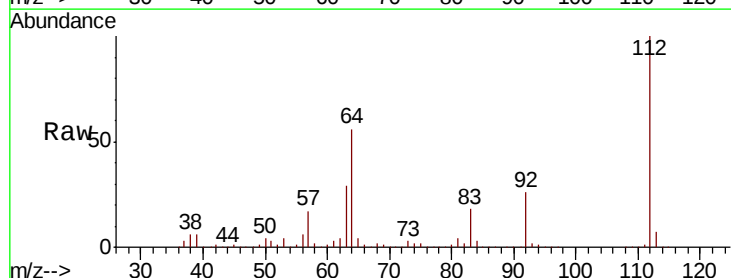
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



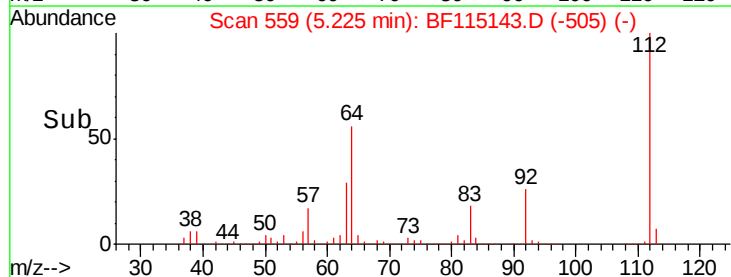
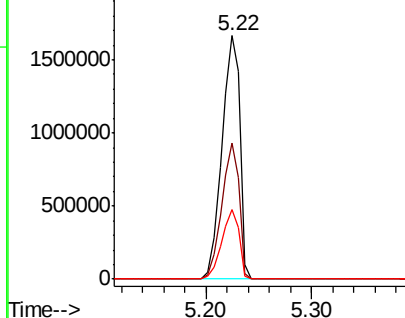
#5

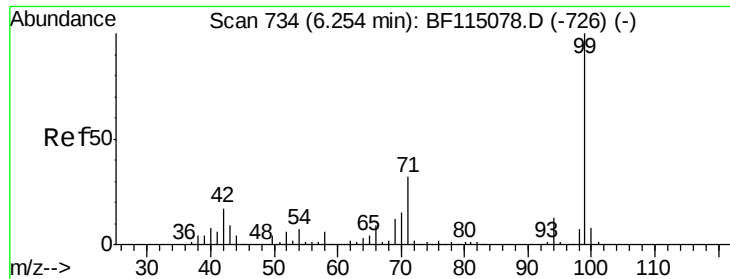
2-Fluorophenol
 Concen: 96.710 ng
 RT: 5.22 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: BF115143.D
 Acq: 24 Jun 2019 12:05

Tgt Ion:112 Resp: 1969309
 Ion Ratio Lower Upper
 112 100
 64 56.1 43.8 65.6
 63 28.6 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: 96.156 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115143.D

Acq: 24 Jun 2019 12:05

Instrument :

BNA_F

ClientSampleId :

PB120777BL

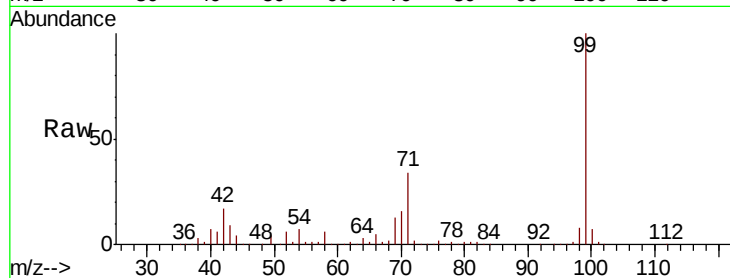
Tot Ion: 99 Resp: 2376583

Ion Ratio Lower Upper

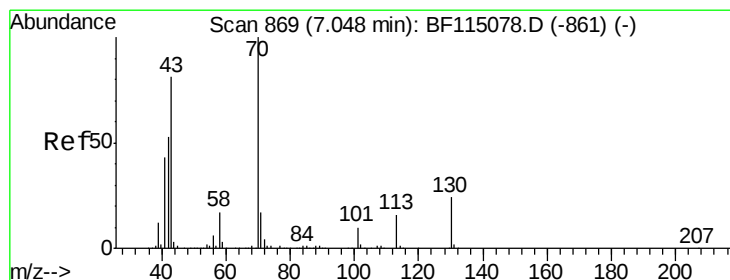
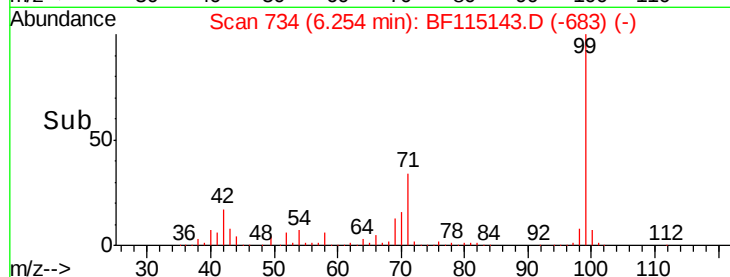
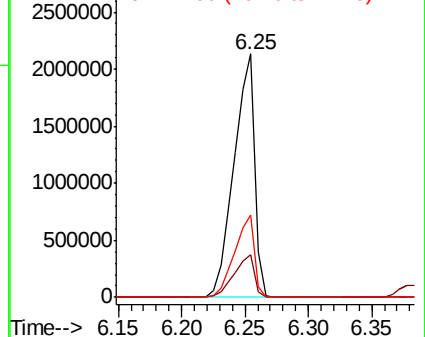
99 100

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: 12.440 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115143.D

Acq: 24 Jun 2019 12:05

Tgt Ion: 70 Resp: 196838

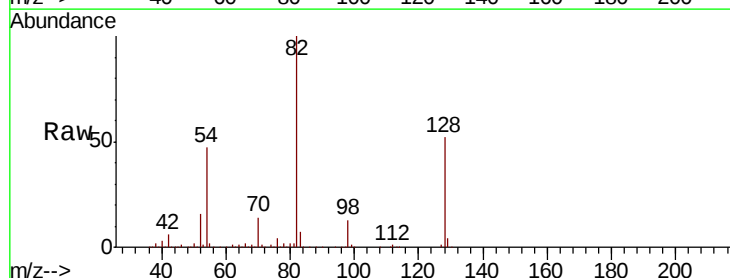
Ion Ratio Lower Upper

70 100

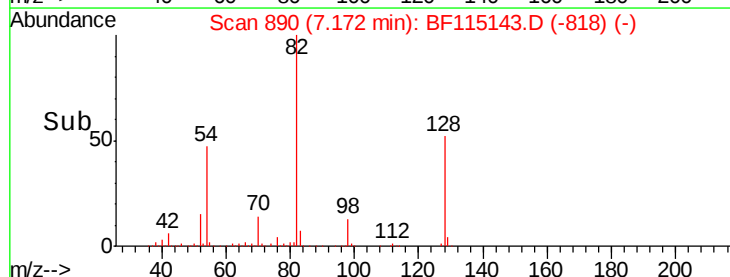
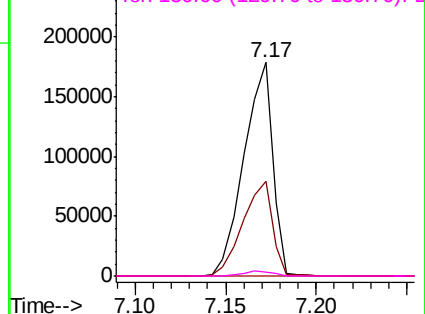
42 44.5 42.6 63.8

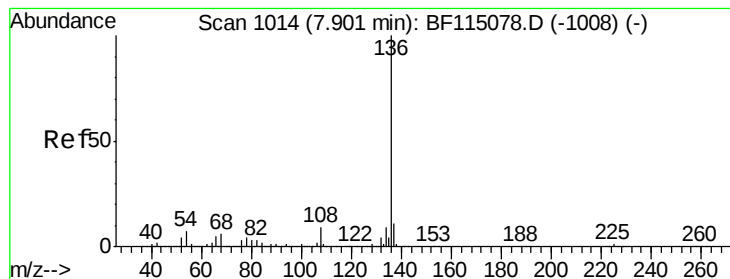
101 0.0 8.0 12.0#

130 2.1 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: BF115143.D

Acq: 24 Jun 2019 12:05

Instrument :

BNA_F

ClientSampleId :

PB120777BL

Tot Ion:136 Resp: 1207806

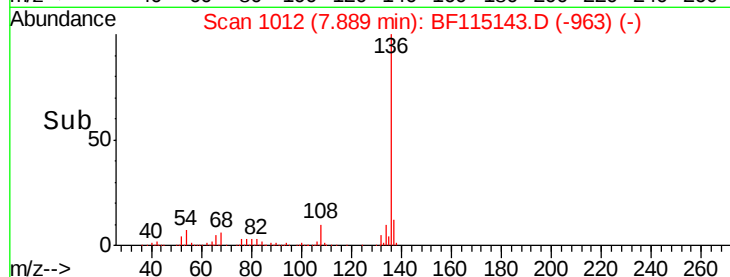
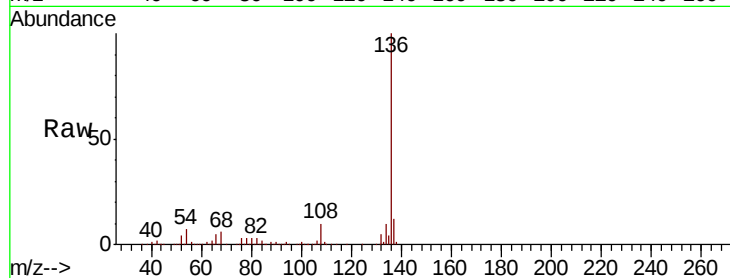
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 6.9 5.6 8.4

68 6.1 4.8 7.2

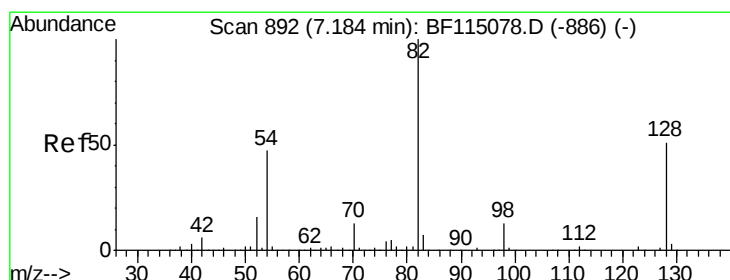
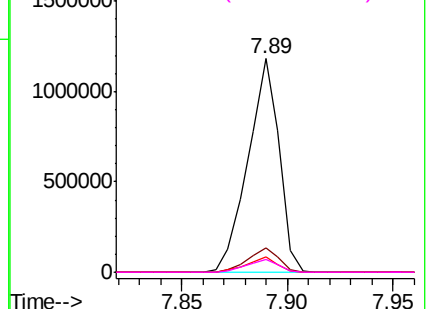


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.836 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115143.D

Acq: 24 Jun 2019 12:05

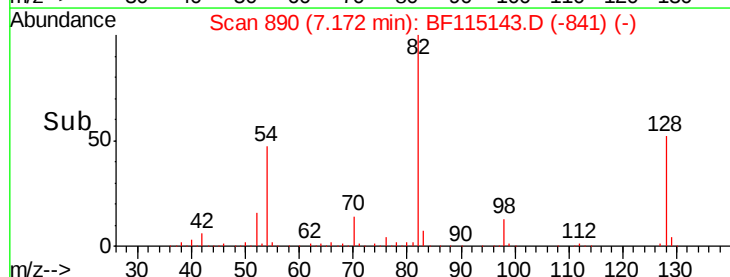
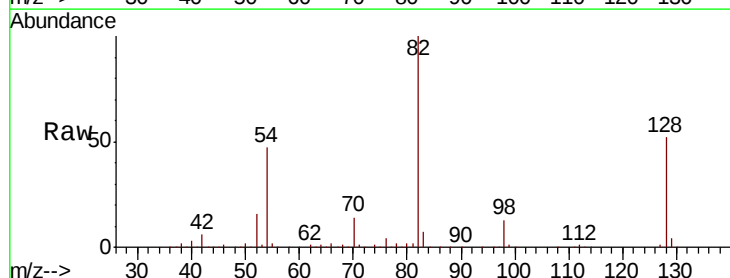
Tgt Ion: 82 Resp: 1488973

Ion Ratio Lower Upper

82 100

128 51.7 40.4 60.6

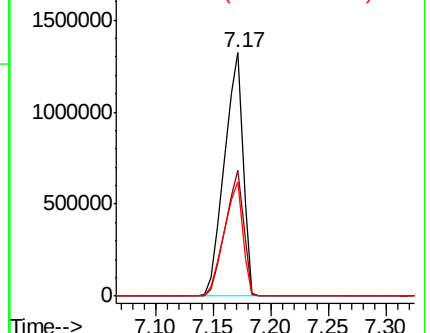
54 47.0 37.5 56.3



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: 35.925 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115143.D

Acq: 24 Jun 2019 12:05

Instrument :

BNA_F

ClientSampleId :

PB120777BL

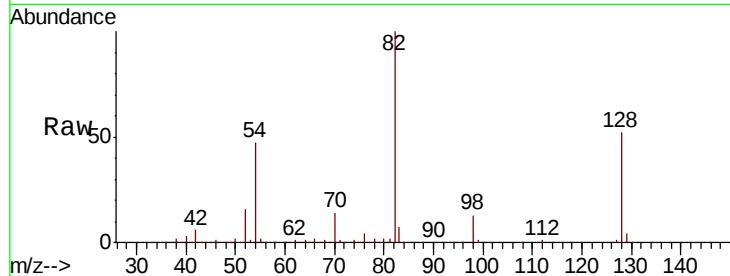
Tot Ion: 82 Resp: 1444972

Ion Ratio Lower Upper

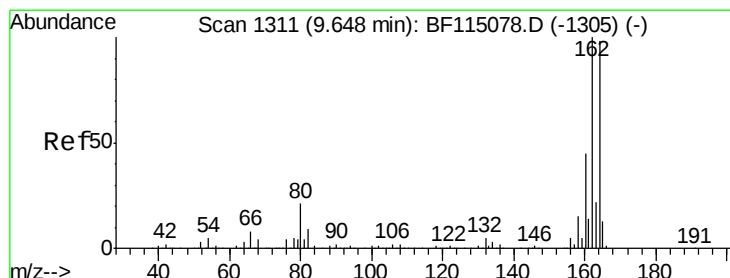
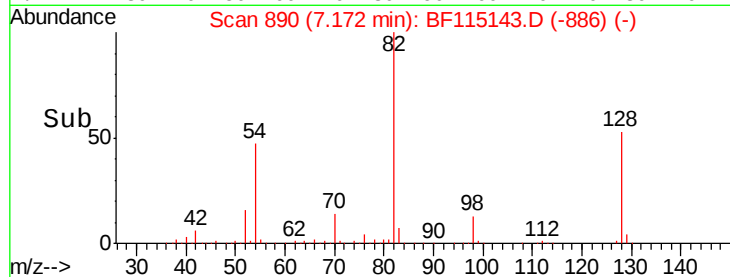
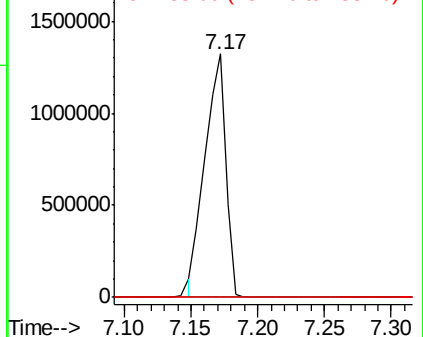
82 100

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: BF115143.D

Acq: 24 Jun 2019 12:05

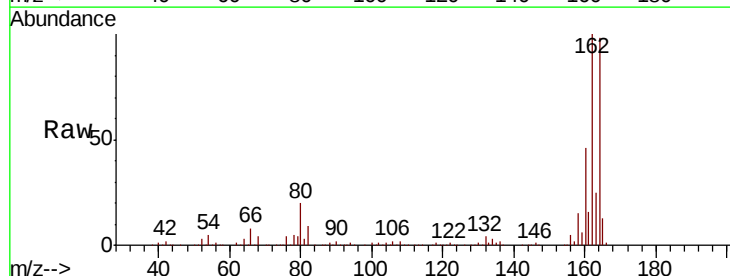
Tgt Ion:164 Resp: 604483

Ion Ratio Lower Upper

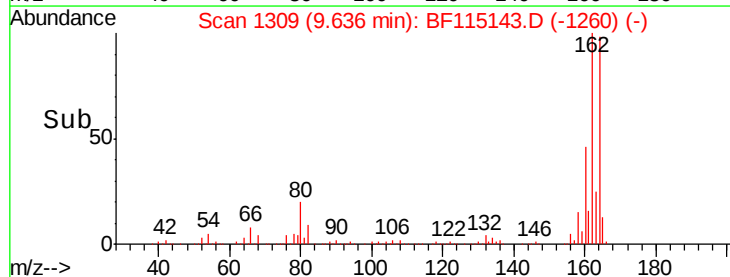
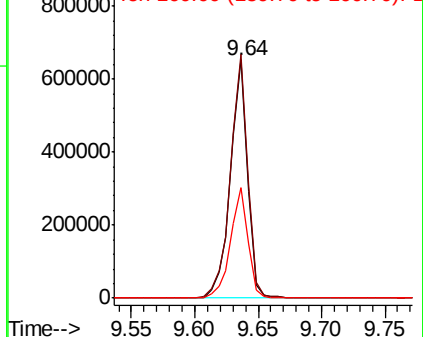
164 100

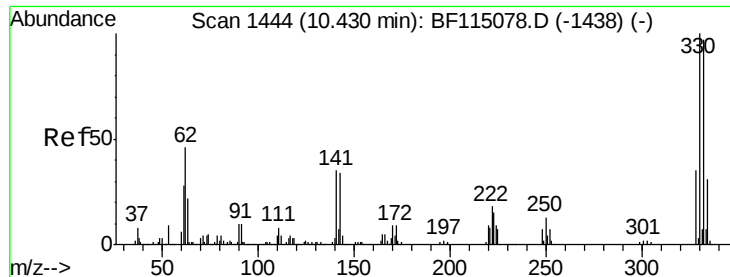
162 102.2 81.7 122.5

160 46.7 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

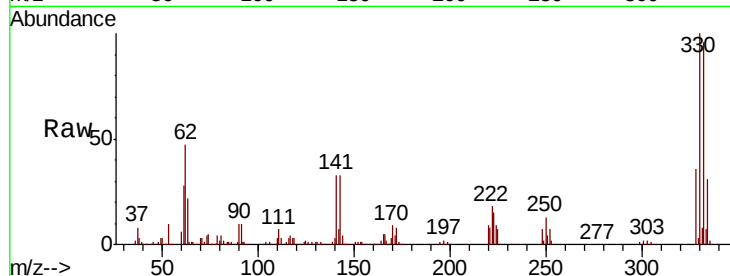




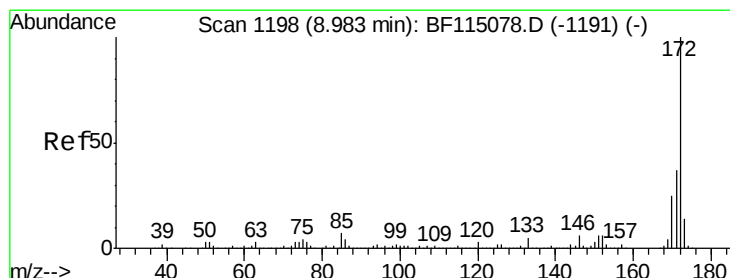
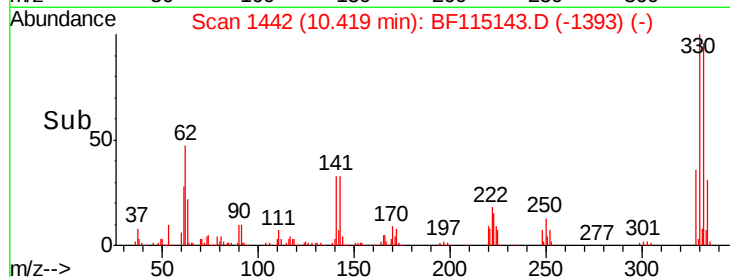
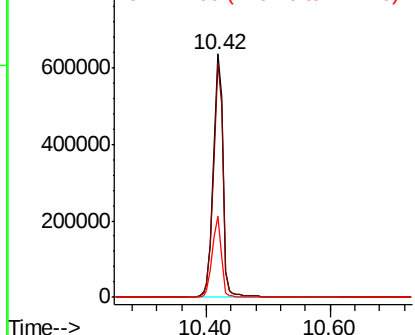
#42
 2,4,6-Tribromophenol
 Concen: 105.455 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115143.D
 Acq: 24 Jun 2019 12:05

Instrument :
 BNA_F
 ClientSampleId :
 PB120777BL

Tot Ion:330 Resp: 672219
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.3 115.9
 141 32.3 28.2 42.2

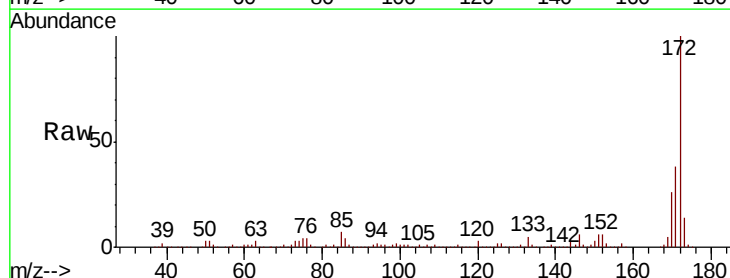


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

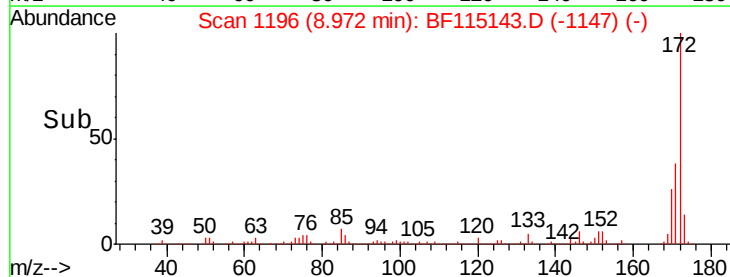
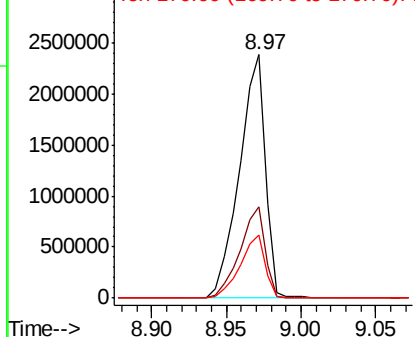


#45
 2-Fluorobiphenyl
 Concen: 81.092 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115143.D
 Acq: 24 Jun 2019 12:05

Tgt Ion:172 Resp: 2885789
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.8 44.6
 170 26.1 20.3 30.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

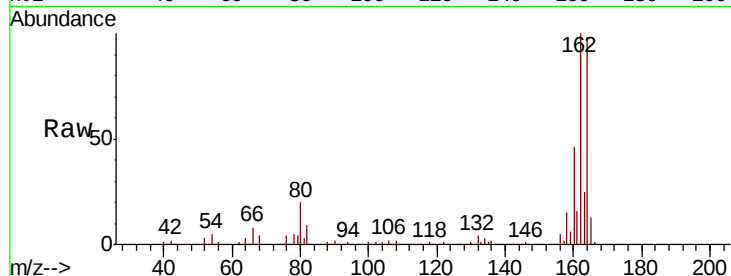




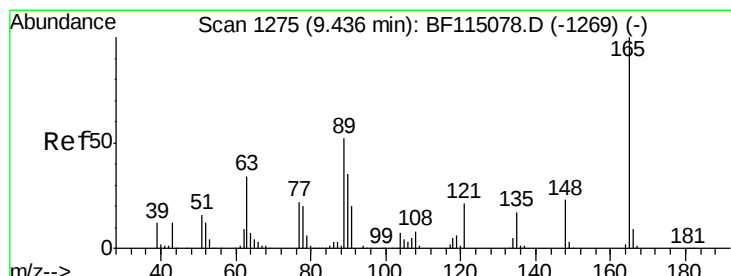
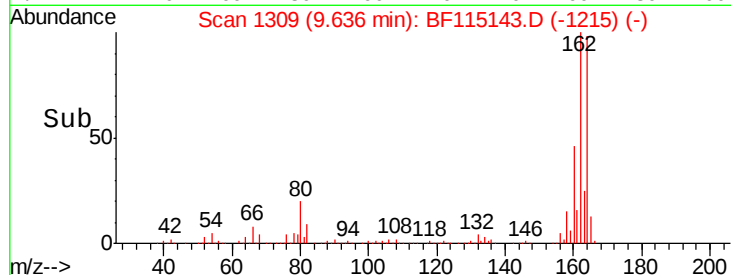
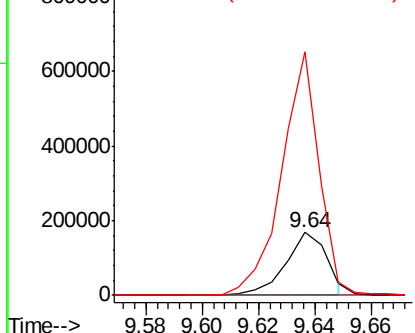
#50
Dimethylphthalate
Concen: 3.818 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.25 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Instrument :
BNA_F
ClientSampleId :
PB120777BL

Tot Ion:163 Resp: 169813
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 386.8 8.6 13.0#

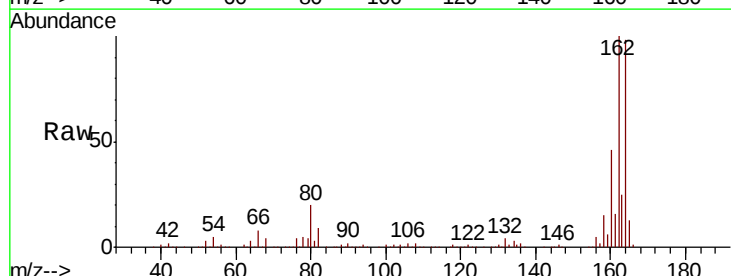


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

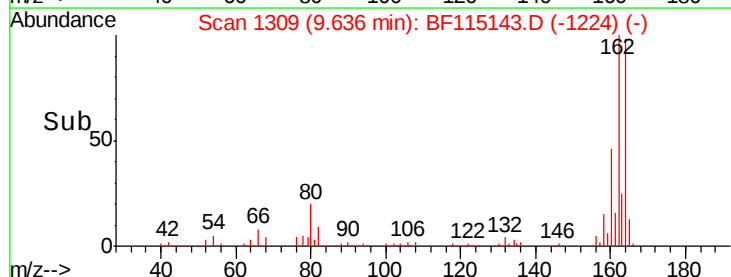
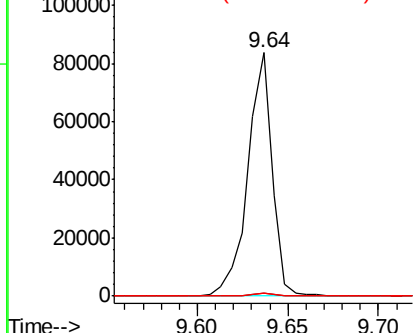


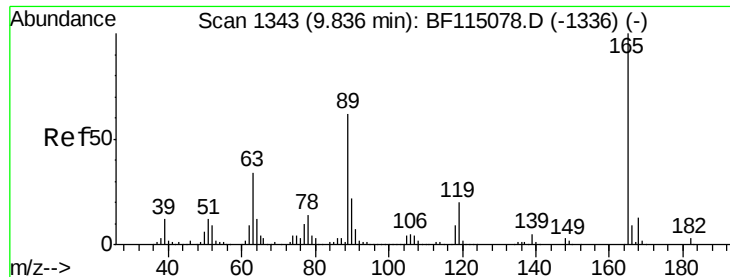
#51
2,6-Dinitrotoluene
Concen: 7.595 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Tgt Ion:165 Resp: 77982
Ion Ratio Lower Upper
165 100
63 1.1 39.4 59.2#
89 1.3 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

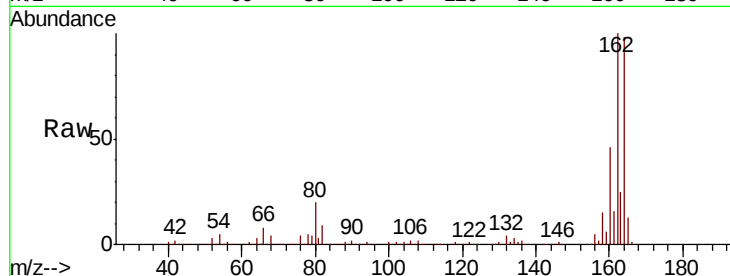




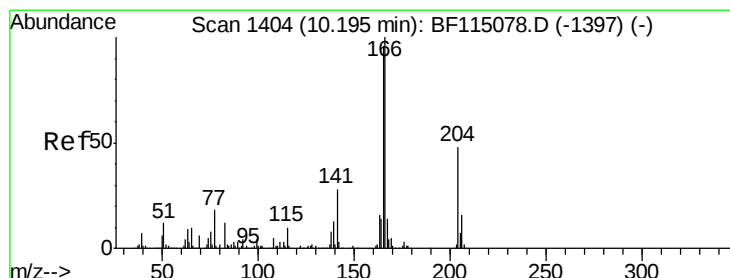
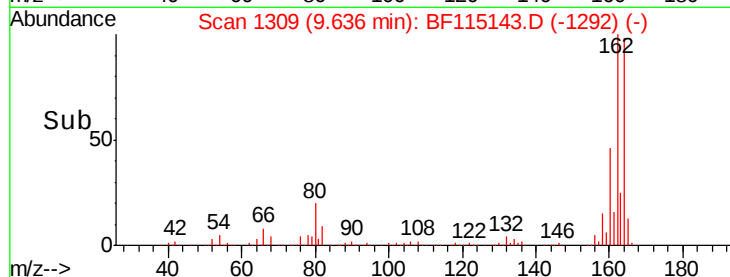
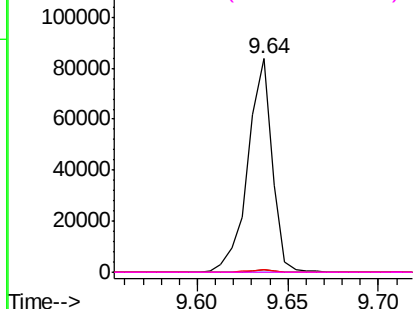
#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Instrument :
BNA_F
ClientSampleId :
PB120777BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.5	41.3#
89	1.3	49.9	74.9#
182	0.0	2.1	3.1#

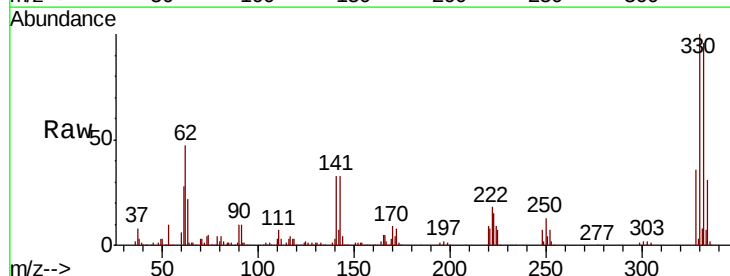


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

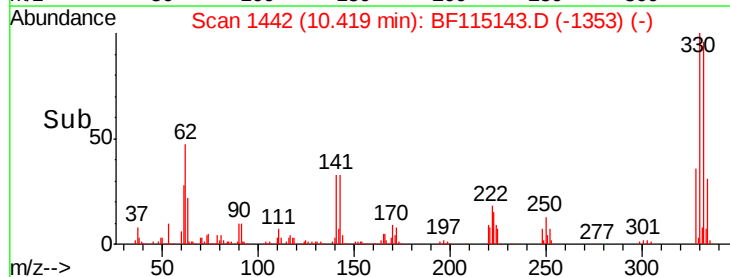
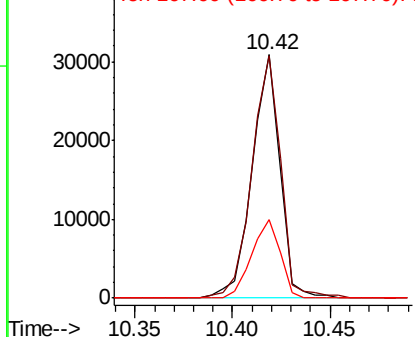


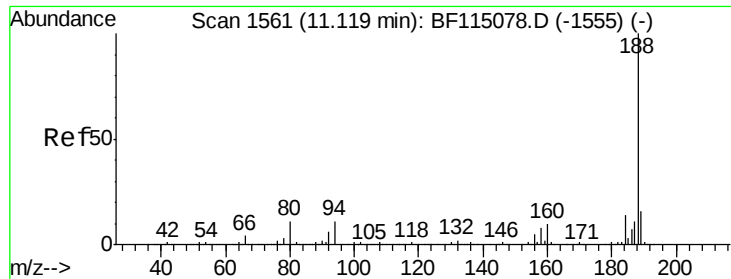
#58
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 1442
Delta R.T. 0.22 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	76.5	114.7
167	32.4	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

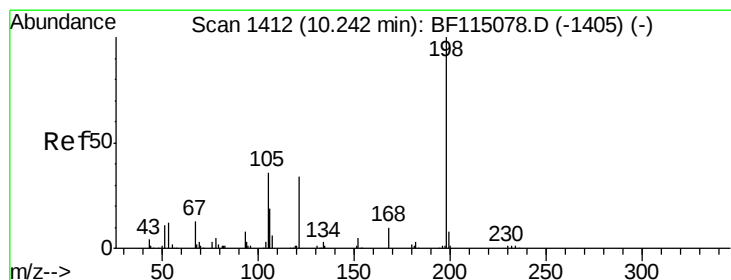
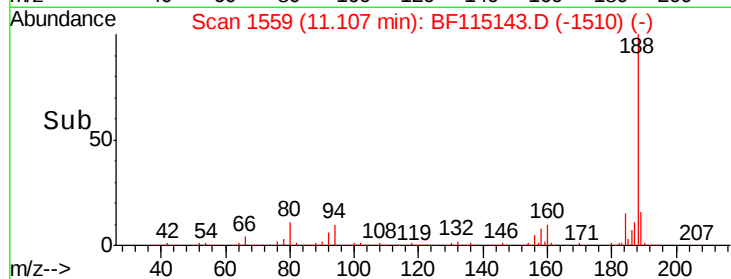
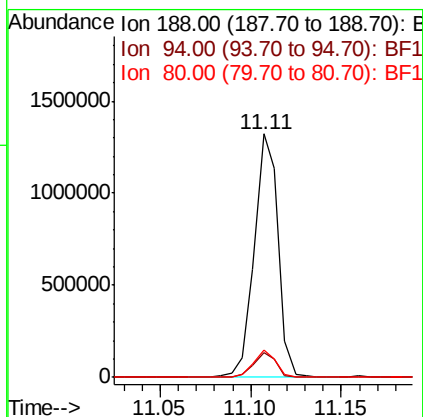
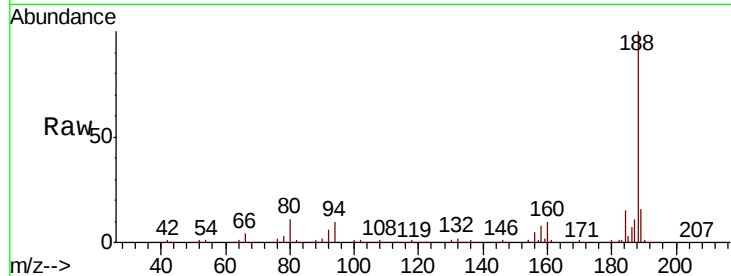




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

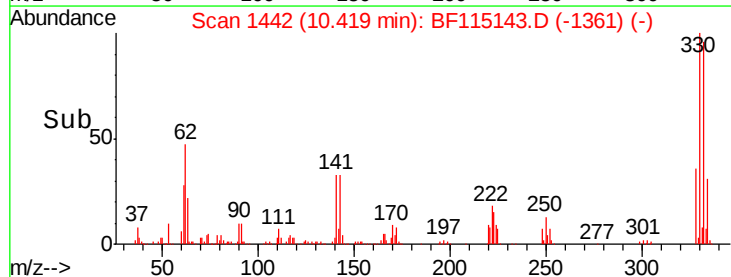
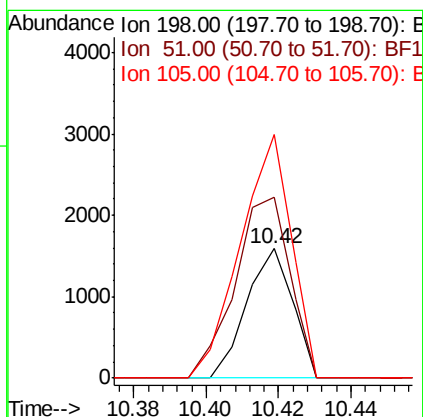
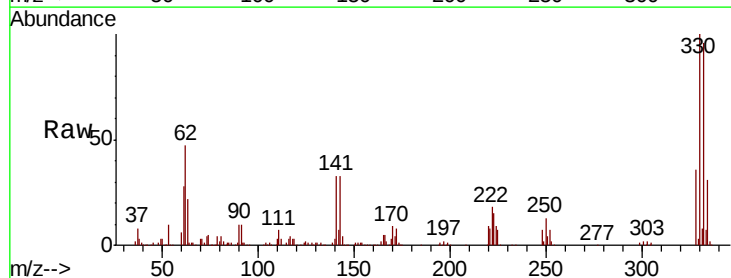
Instrument :
BNA_F
ClientSampleId :
PB120777BL

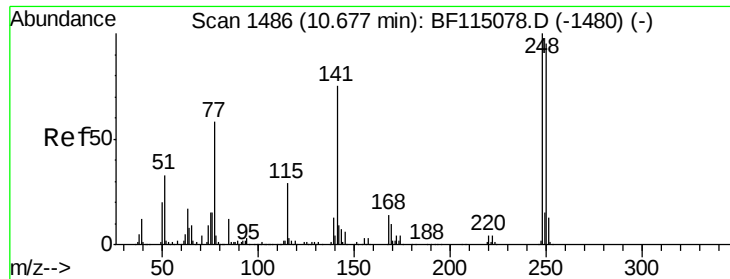
Tot Ion:188 Resp: 1206163
Ion Ratio Lower Upper
188 100
94 10.4 8.6 12.8
80 11.0 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.156 ng
RT: 10.42 min Scan# 1442
Delta R.T. 0.18 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Tgt Ion:198 Resp: 1403
Ion Ratio Lower Upper
198 100
51 139.4 11.0 51.0#
105 188.2 17.3 57.3#

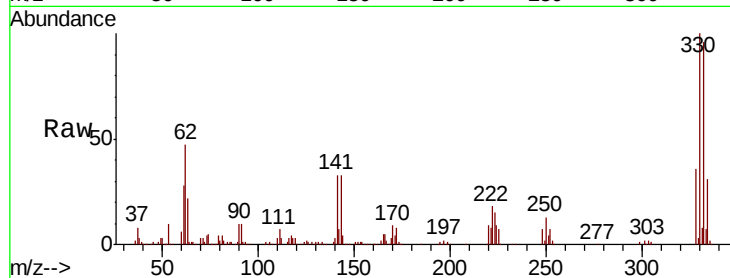




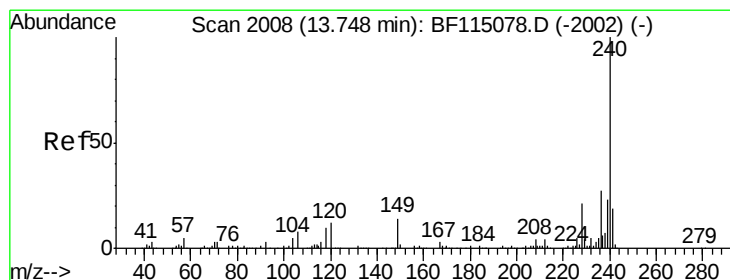
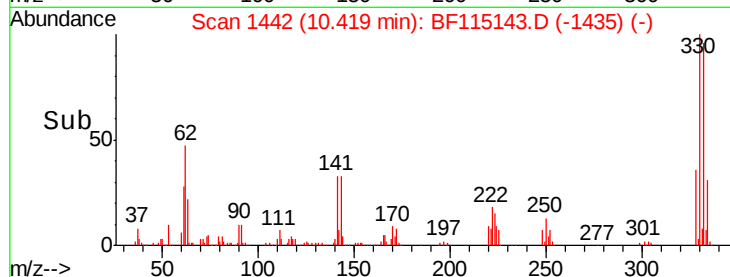
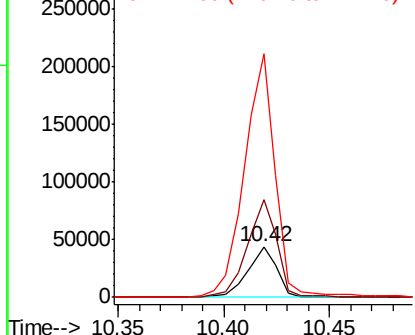
#67
4-Bromophenyl-phenylether
Concen: 3.224 ng
RT: 10.42 min Scan# 1442
Delta R.T. -0.26 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Instrument :
BNA_F
ClientSampled :
PB120777BL

Tot Ion:248 Resp: 42163
Ion Ratio Lower Upper
248 100
250 192.4 76.2 114.2#
141 480.8 59.6 89.4#

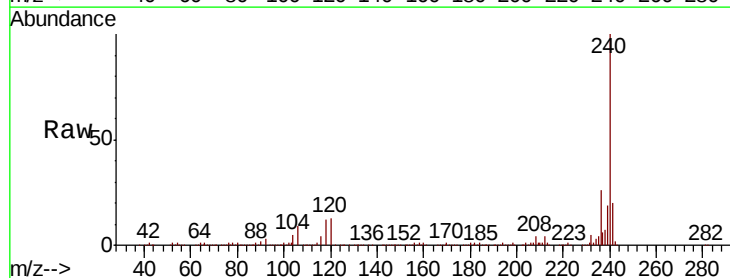


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

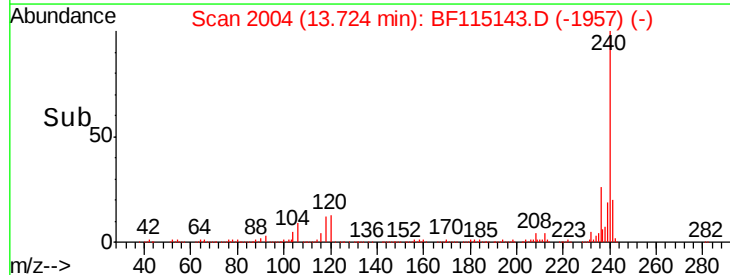
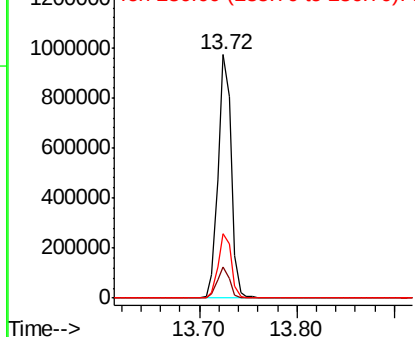


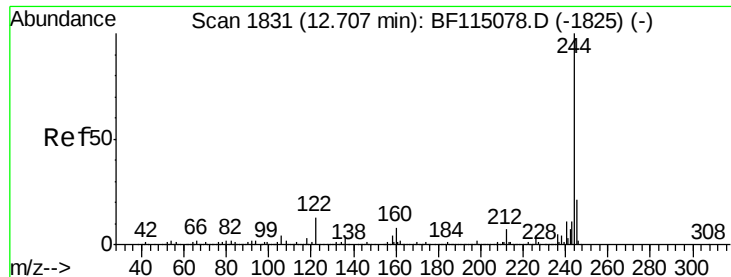
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF115143.D
Acq: 24 Jun 2019 12:05

Tgt Ion:240 Resp: 909715
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.2
236 26.4 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: 71.683 ng

RT: 12.70 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115143.D

Acq: 24 Jun 2019 12:05

Instrument :

BNA_F

ClientSampleId :

PB120777BL

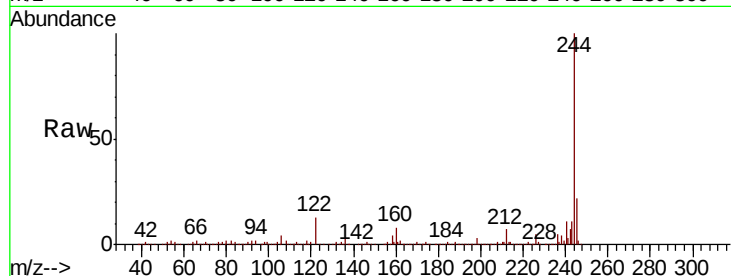
Tot Ion:244 Resp: 3067095

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

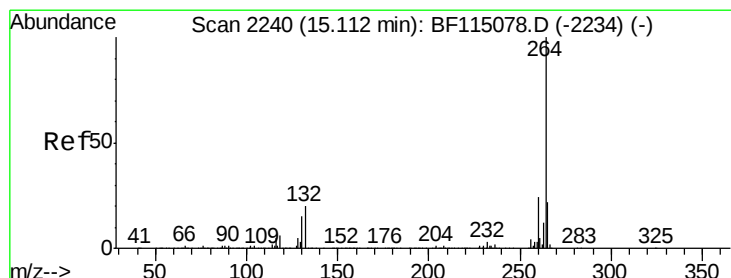
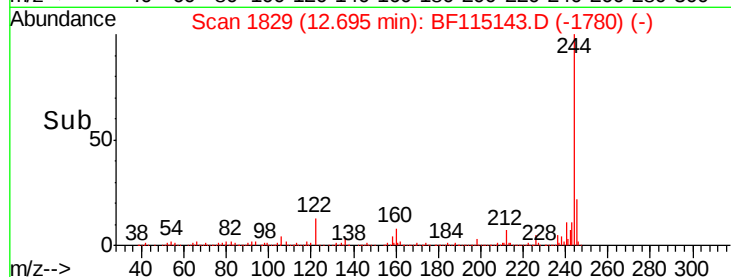
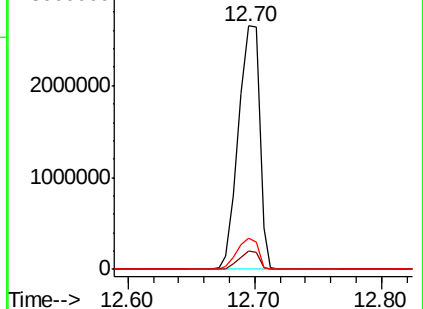
122 12.7 10.4 15.6



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: 15.10 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF115143.D

Acq: 24 Jun 2019 12:05

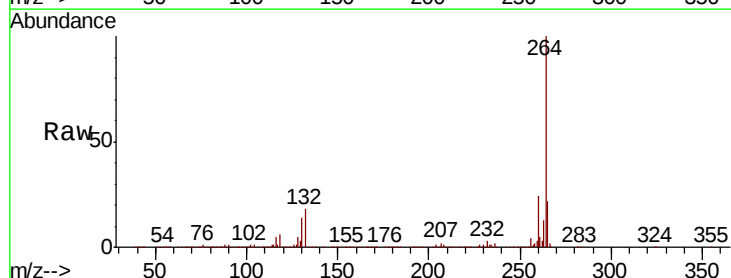
Tgt Ion:264 Resp: 812759

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 21.6 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

