

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112459.D
 Acq On : 8 Feb 2019 15:03
 Operator : JU/SJ
 Sample : K1409-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09(13-16)

Quant Time: Feb 09 04:56:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

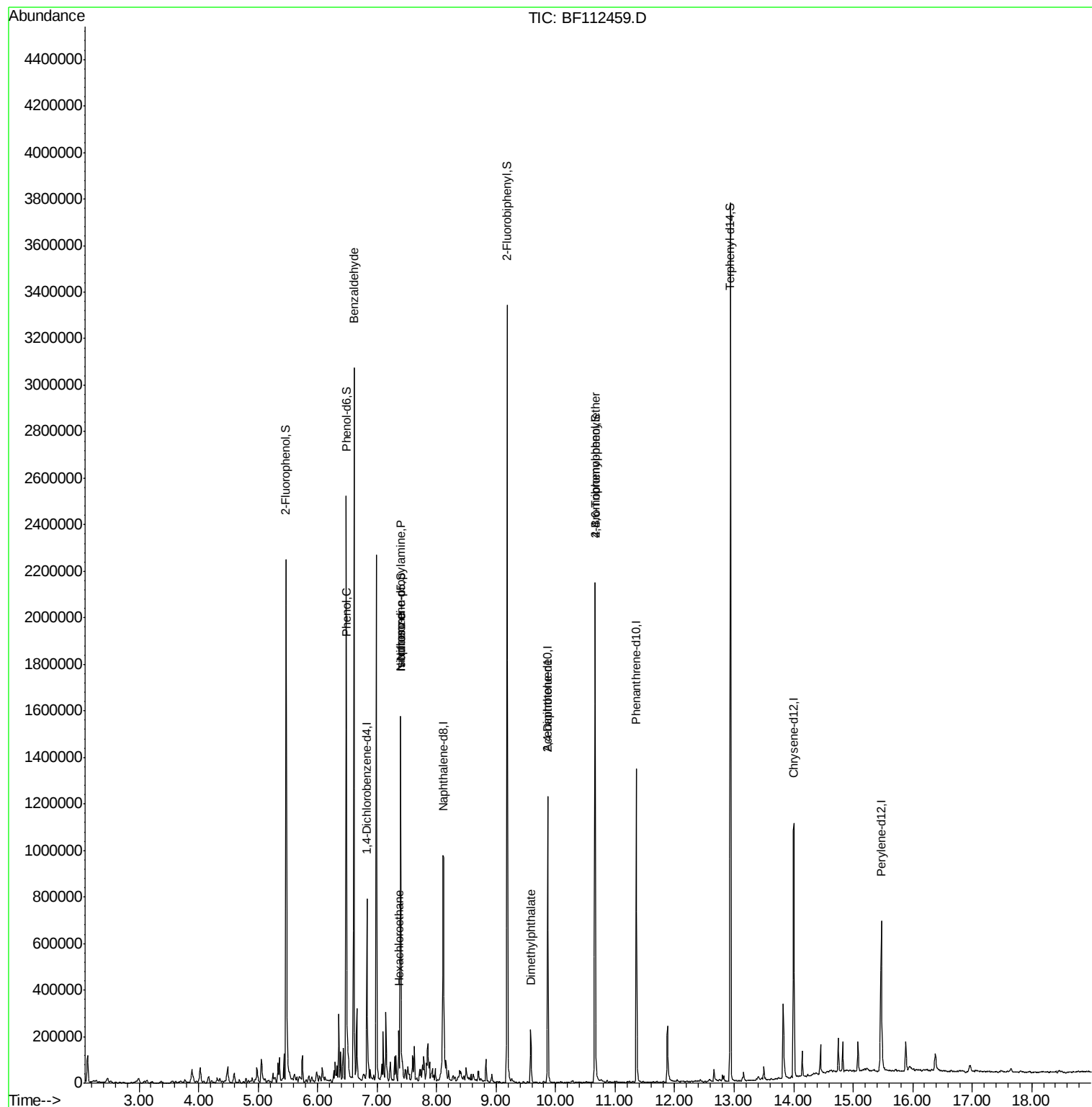
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	131535	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	512660	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	255205	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	511224	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	423181	20.00	ng	0.00
87) Perylene-d12	15.47	264	329911	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	717729	115.90	ng	-0.01
7) Phenol-d6	6.48	99	890405	103.48	ng	-0.01
23) Nitrobenzene-d5	7.39	82	536795	60.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	280632	94.47	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1060608	58.78	ng	-0.02
79) Terphenyl-d14	12.94	244	1177649	52.41	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.61	77	17860	3.971	ng	Qvalue 80
10) Phenol	6.49	94	25960	2.750	ng	92
18) Hexachloroethane	7.36	117	13097	3.735	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	74034	12.477	ng	# 76
25) Isophorone	7.39	82	533528	38.224	ng	# 64
50) Dimethylphthalate	9.58	163	104669	5.279	ng	100
57) 2,4-Dinitrotoluene	9.87	165	32950	5.828	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17014	2.830	ng	# 1

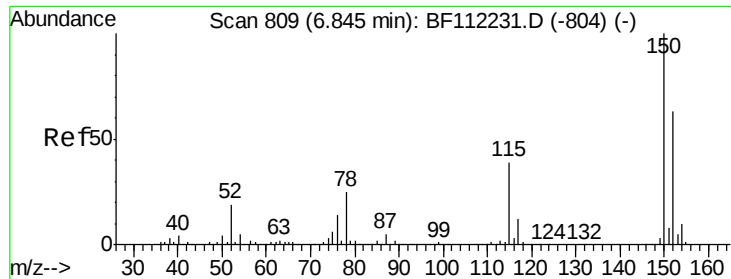
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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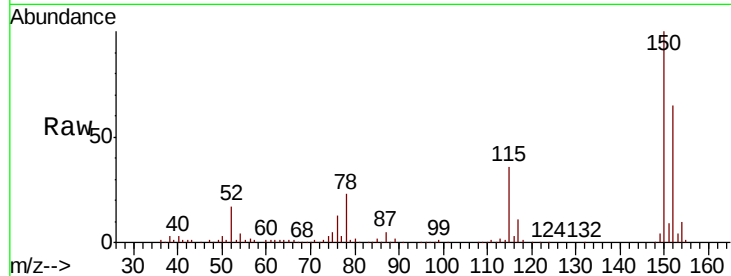


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Instrument :
BNA_F
ClientSampleId :
SB-09(13-16)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.4	191.0
115	55.9	45.5	68.3

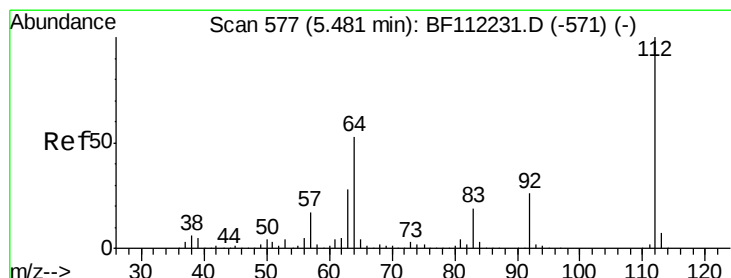
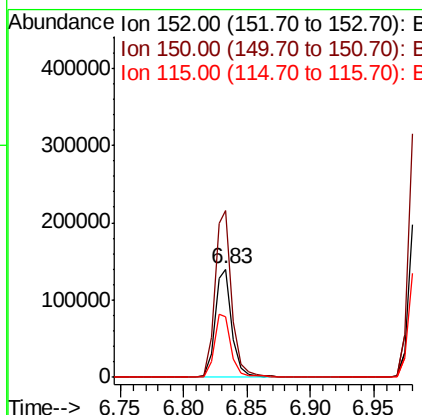
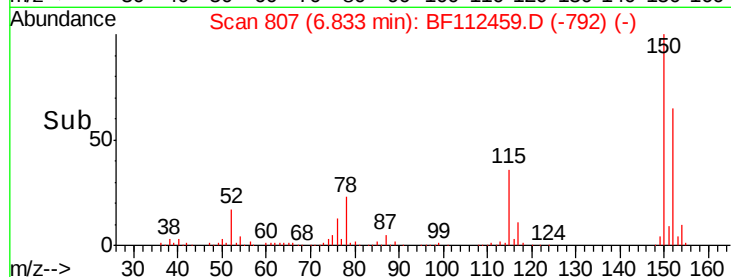


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

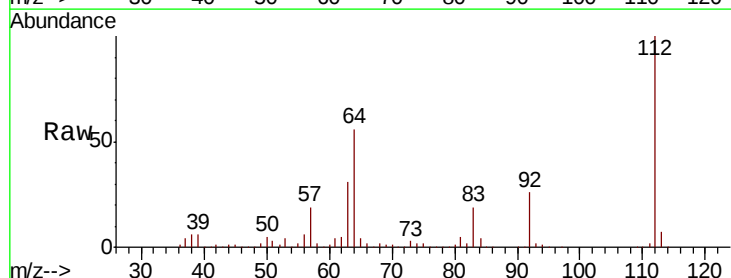
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.901 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	31.4	23.6	35.4

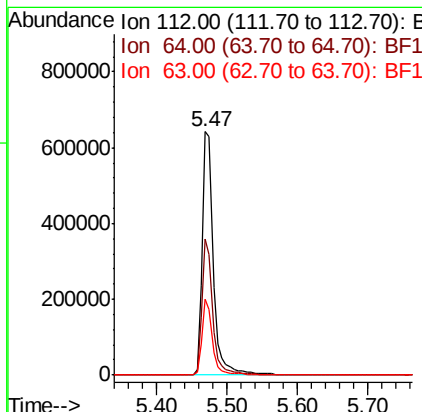
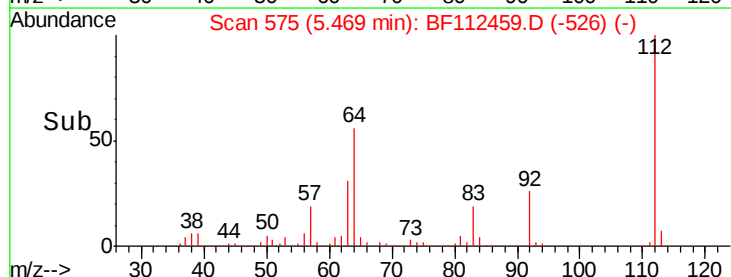


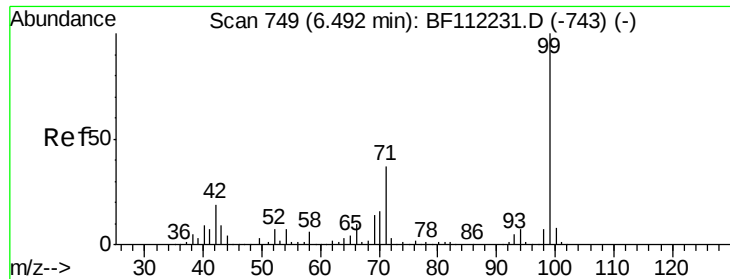
Abundance

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: 103.476 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112459.D

Acq: 8 Feb 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-09(13-16)

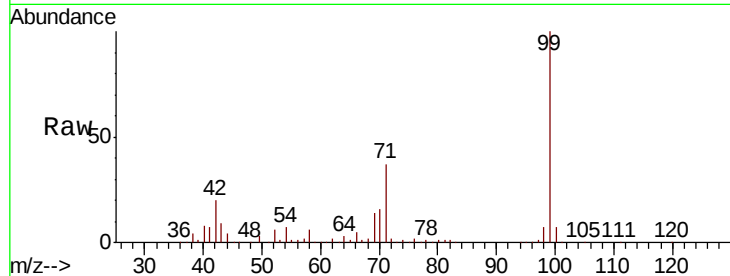
Tot Ion: 99 Resp: 890405

Ion Ratio Lower Upper

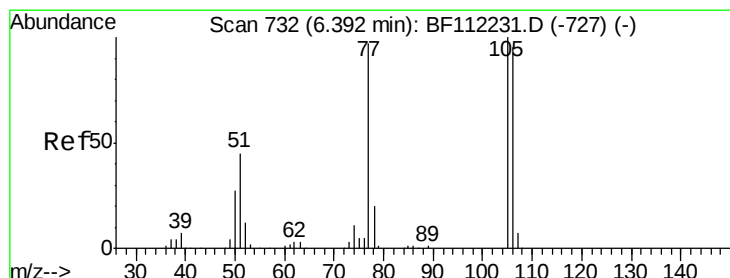
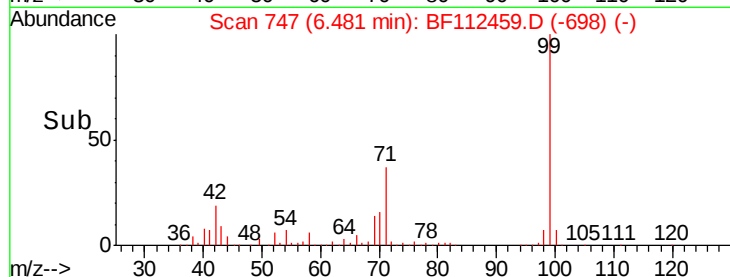
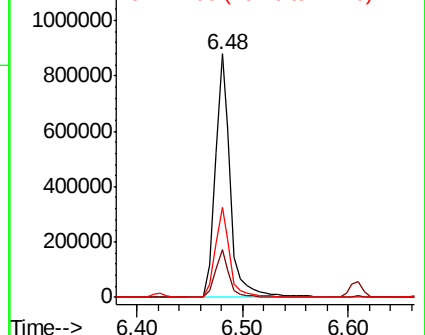
99 100

42 19.5 15.1 22.7

71 37.2 26.9 40.3



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



#9

Benzaldehyde

Concen: 3.971 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112459.D

Acq: 8 Feb 2019 15:03

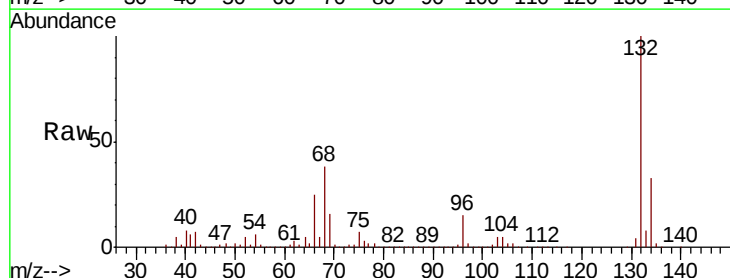
Tgt Ion: 77 Resp: 17860

Ion Ratio Lower Upper

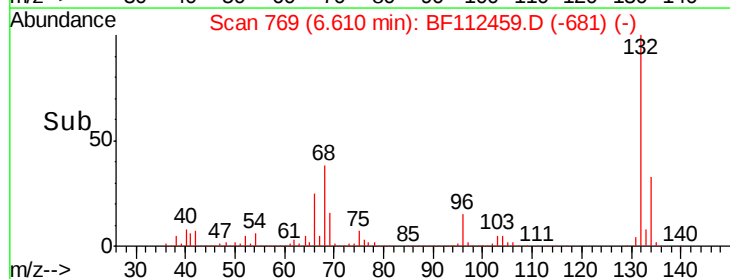
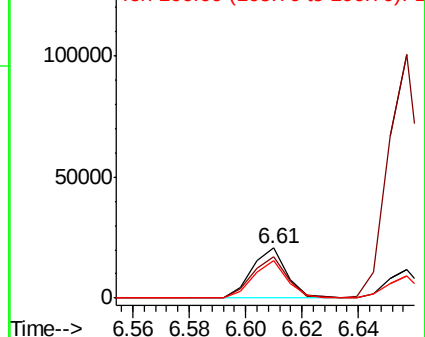
77 100

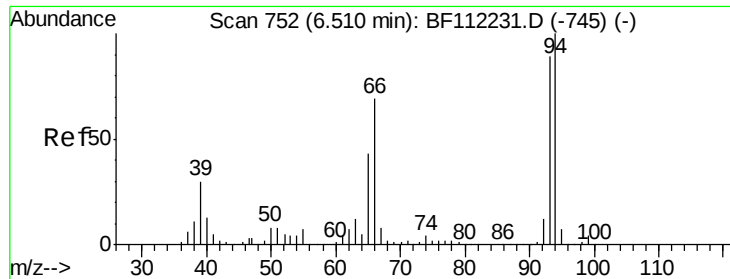
105 81.8 80.8 120.8

106 75.9 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.750 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112459.D

Acq: 8 Feb 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-09(13-16)

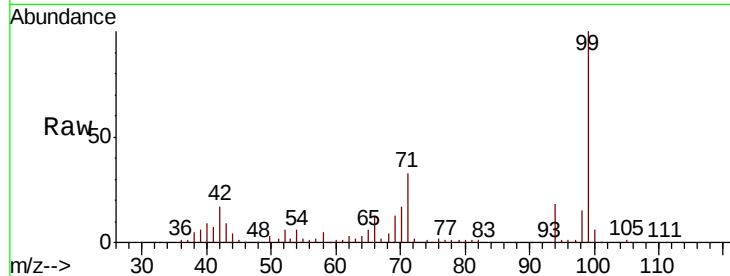
Tot Ion: 94 Resp: 25960

Ion Ratio Lower Upper

94 100

65 33.1 20.3 60.3

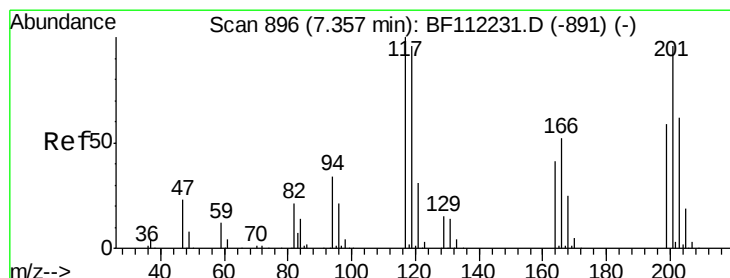
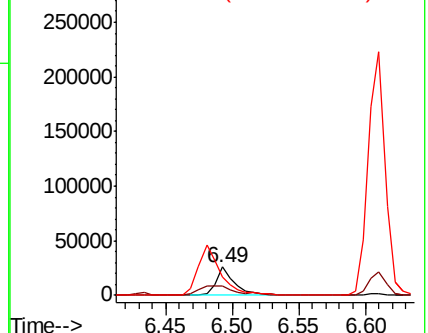
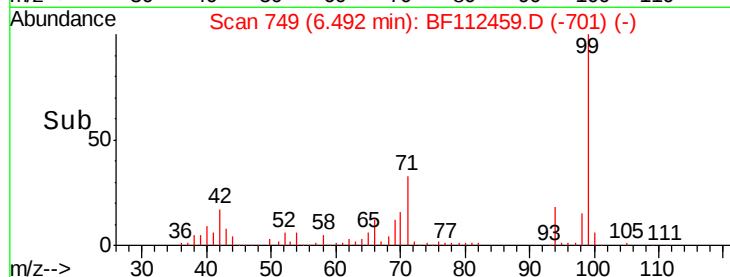
66 66.1 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#18

Hexachloroethane

Concen: 3.735 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.01 min

Lab File: BF112459.D

Acq: 8 Feb 2019 15:03

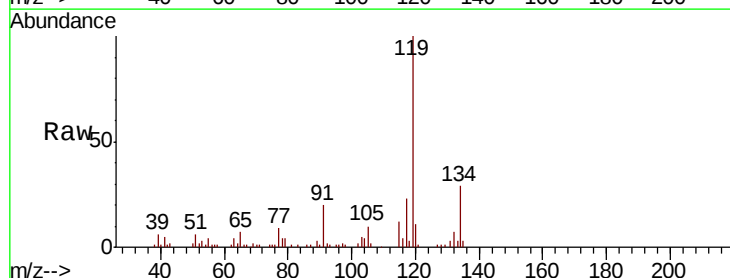
Tgt Ion: 117 Resp: 13097

Ion Ratio Lower Upper

117 100

119 429.0 77.0 115.4#

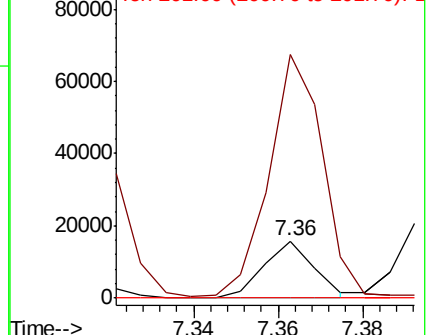
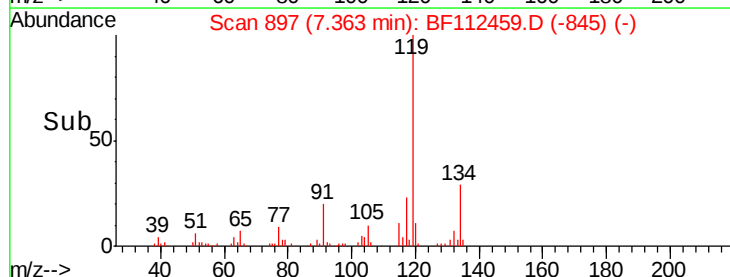
201 0.0 74.1 111.1#

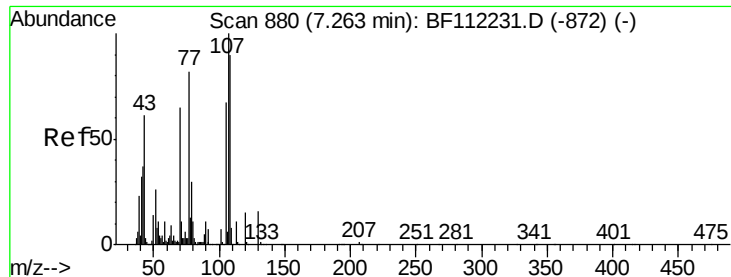


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

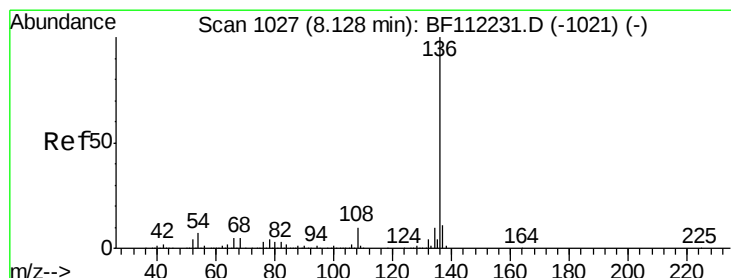
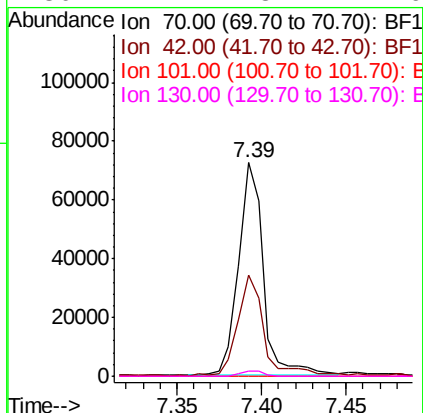
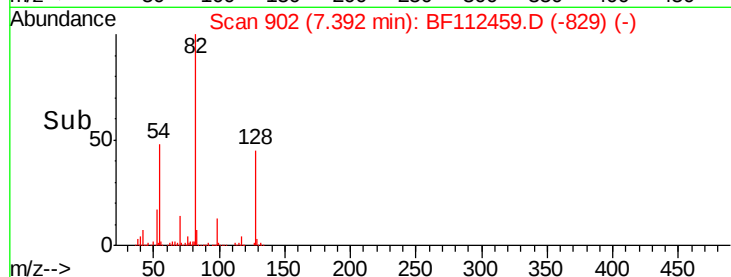
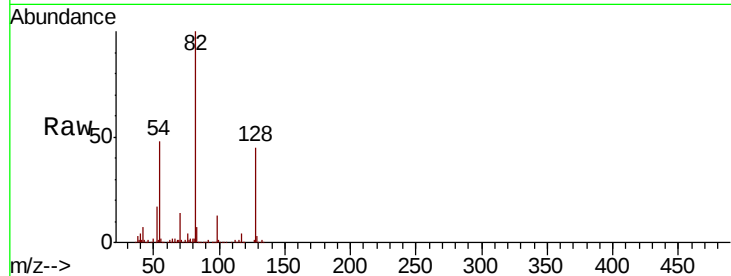




#19
n-Nitroso-di-n-propylamine
Concen: 12.477 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

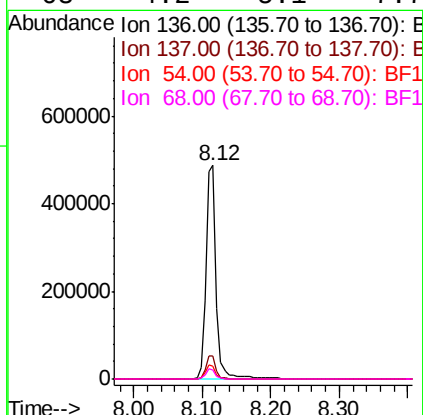
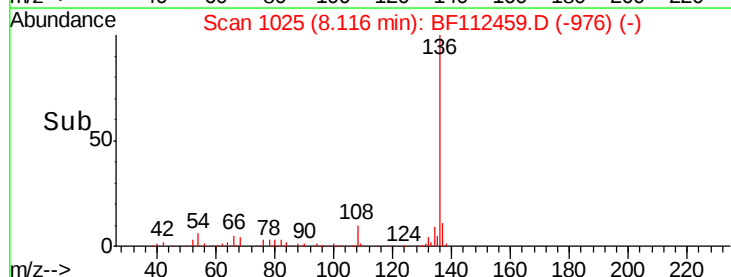
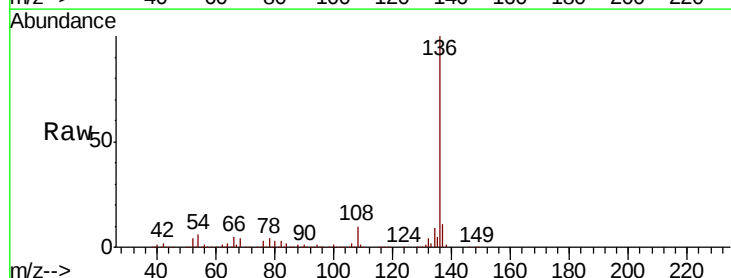
Instrument :
BNA_F
ClientSampled :
SB-09(13-16)

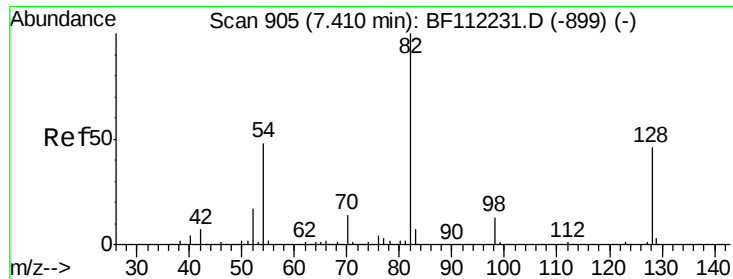
Tot Ion: 70 Resp: 74034
Ion Ratio Lower Upper
70 100
42 47.5 47.6 71.4#
101 0.0 7.9 11.9#
130 2.7 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Tgt Ion: 136 Resp: 512660
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 5.8 5.9 8.9#
68 4.2 5.1 7.7#

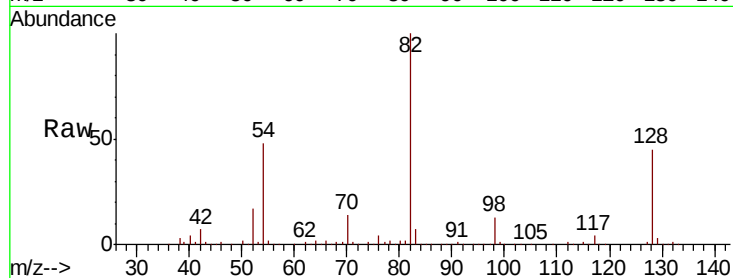




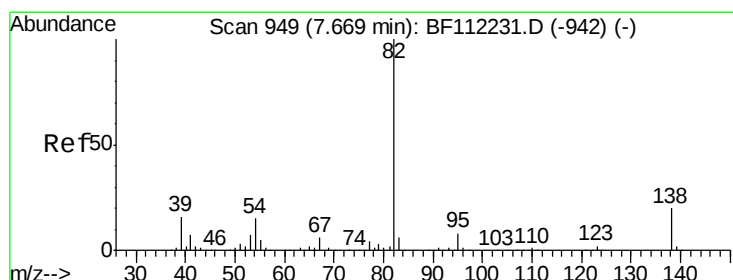
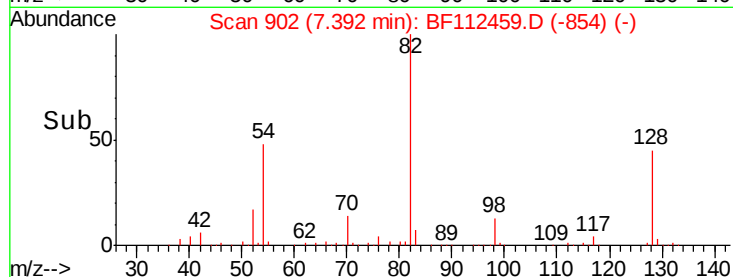
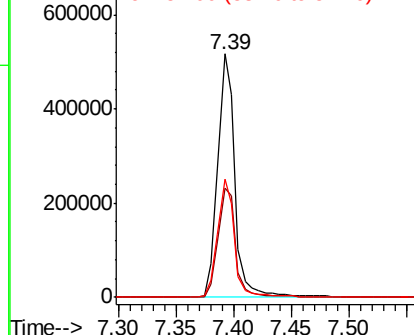
#23
Nitrobenzene-d5
Concen: 60.332 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Instrument :
BNA_F
ClientSampleId :
SB-09(13-16)

Tot Ion: 82 Resp: 536795
Ion Ratio Lower Upper
82 100
128 44.7 37.8 56.8
54 48.4 39.7 59.5

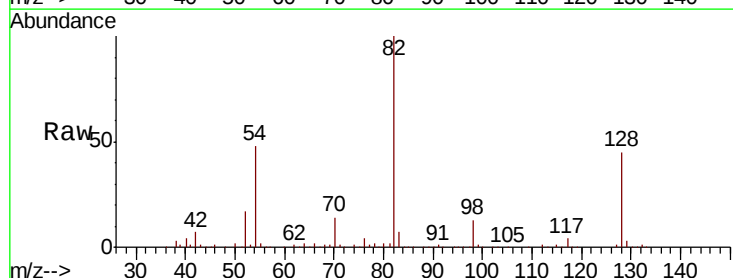


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

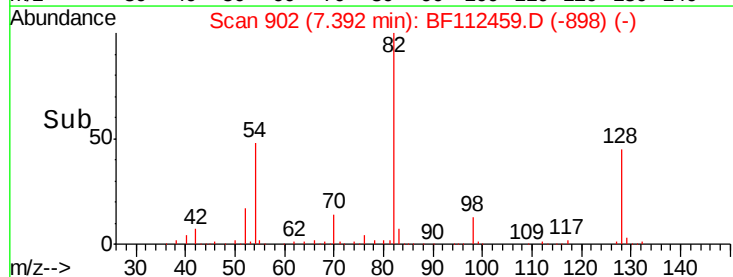
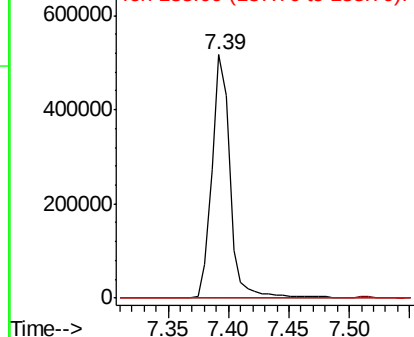


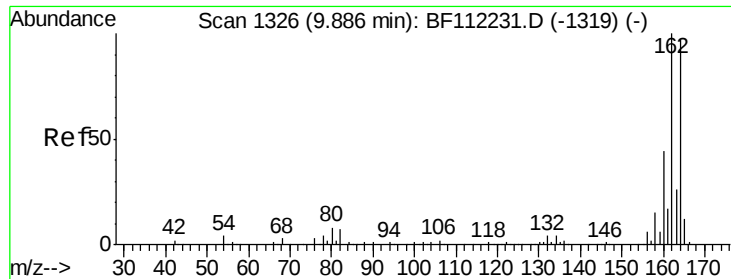
#25
Isophorone
Concen: 38.224 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Tgt Ion: 82 Resp: 533528
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#



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

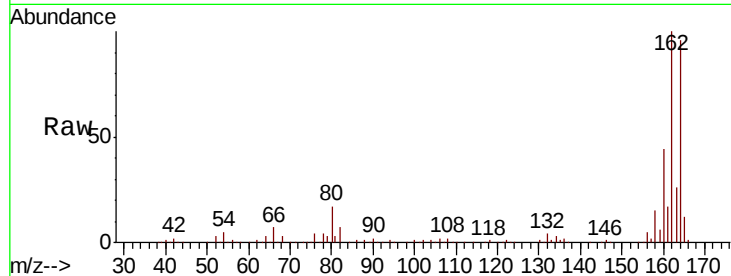




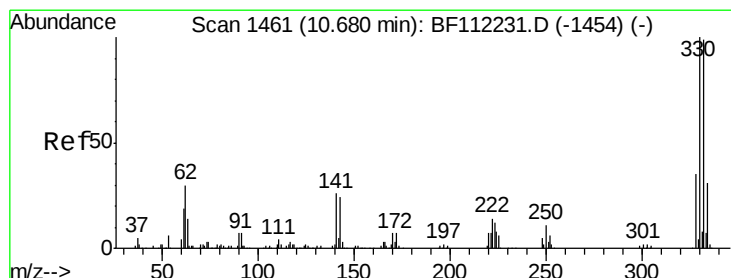
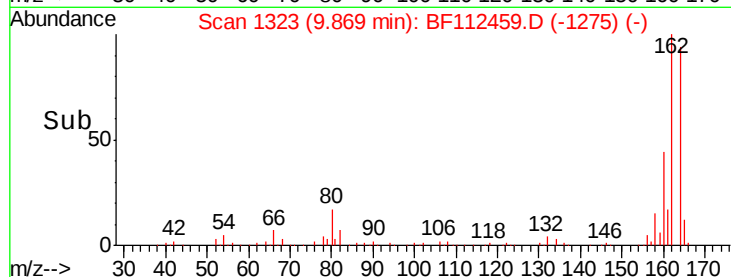
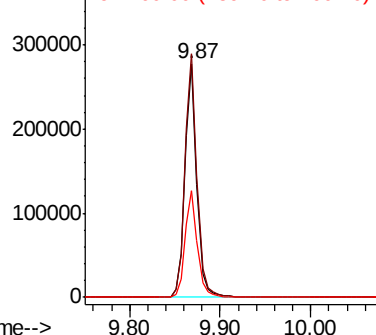
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Instrument :
BNA_F
ClientSampleId :
SB-09(13-16)

Tot Ion:164 Resp: 255205
Ion Ratio Lower Upper
164 100
162 104.2 82.2 123.4
160 45.4 36.2 54.4

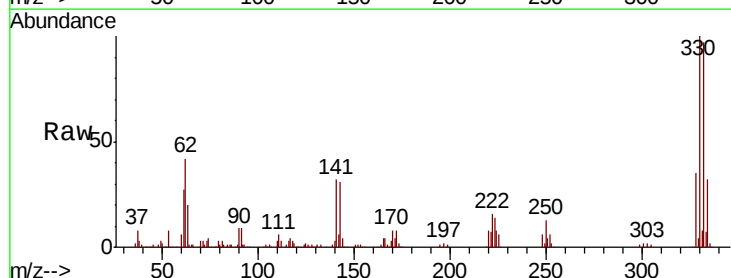


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

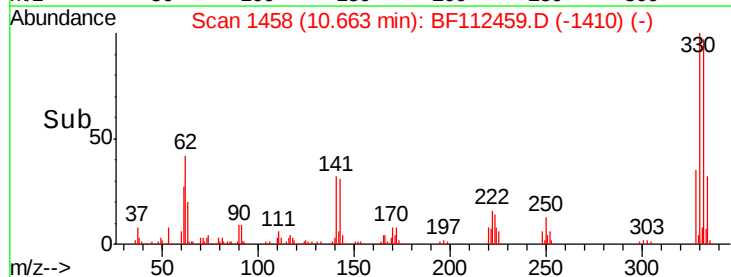
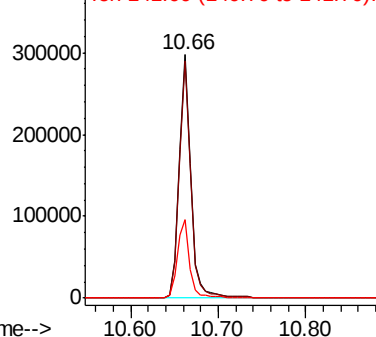


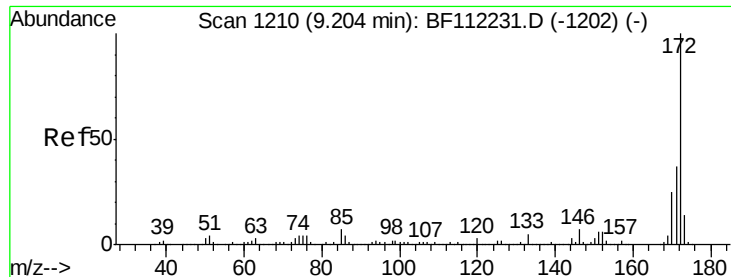
#42
2,4,6-Tribromophenol
Concen: 94.472 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Tgt Ion:330 Resp: 280632
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 33.2 24.3 36.5



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

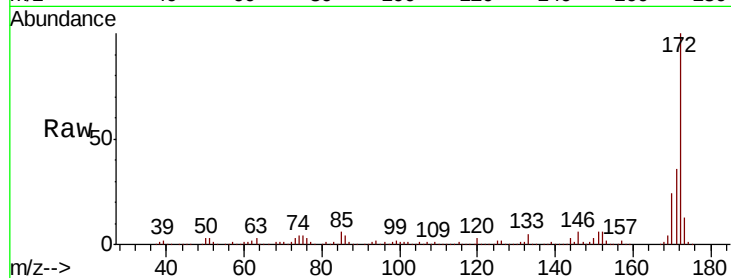




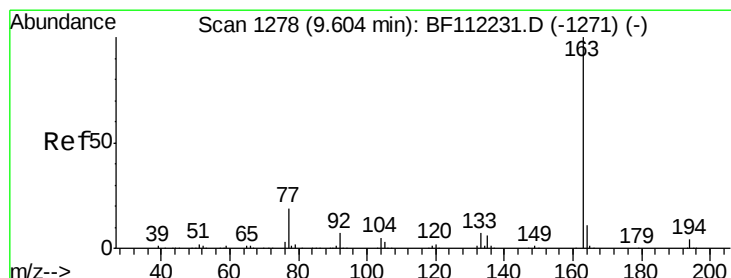
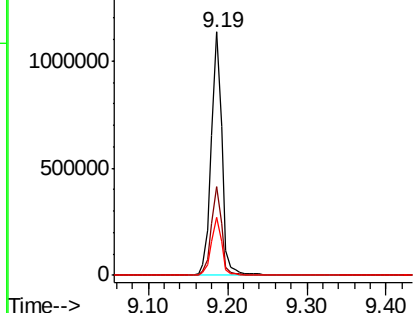
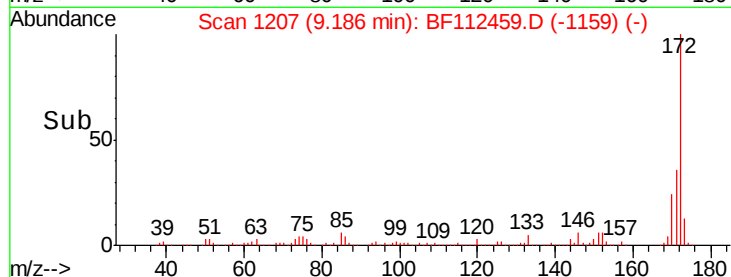
#45
2-Fluorobiphenyl
Concen: 58.779 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Instrument :
BNA_F
ClientSampleId :
SB-09(13-16)

Tot Ion:172 Resp: 1060608
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 23.6 20.2 30.4

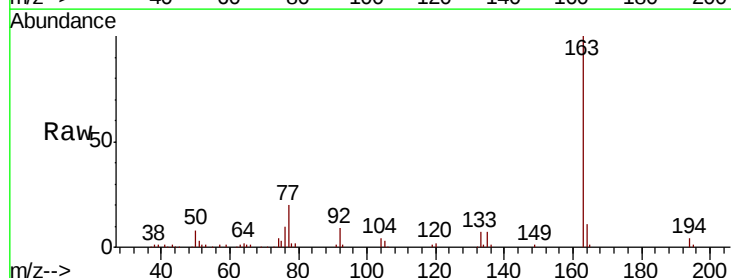


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

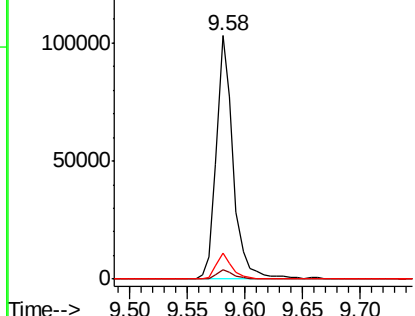
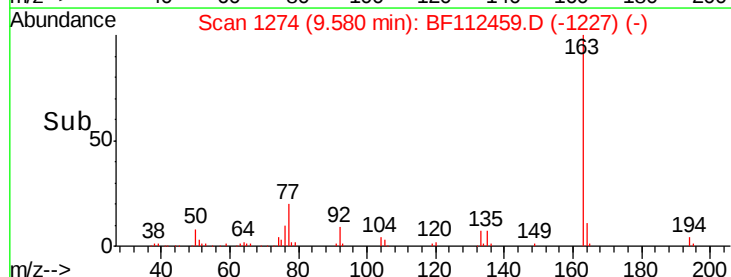


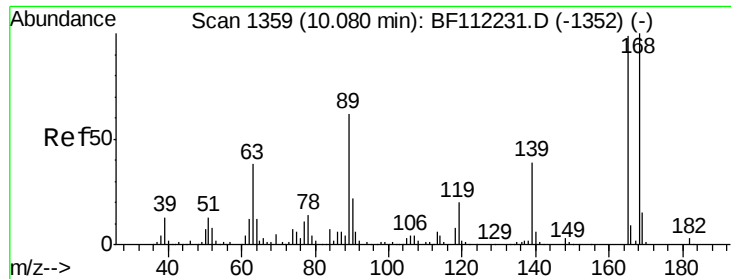
#50
Dimethylphthalate
Concen: 5.279 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112459.D
Acq: 8 Feb 2019 15:03

Tgt Ion:163 Resp: 104669
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.6 8.5 12.7



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

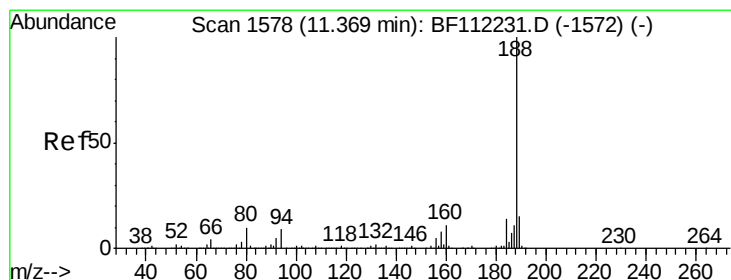
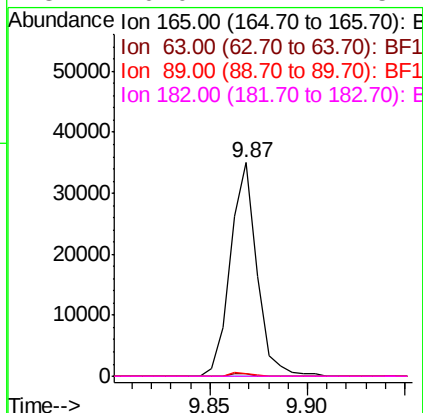
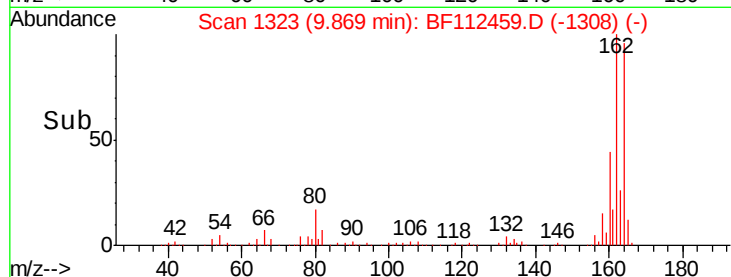
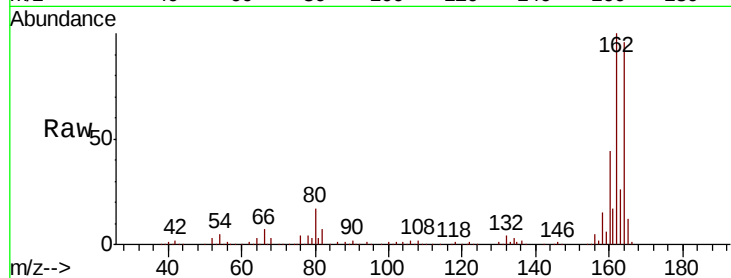




#57
 2,4-Dinitrotoluene
 Concen: 5.828 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112459.D
 Acq: 8 Feb 2019 15:03

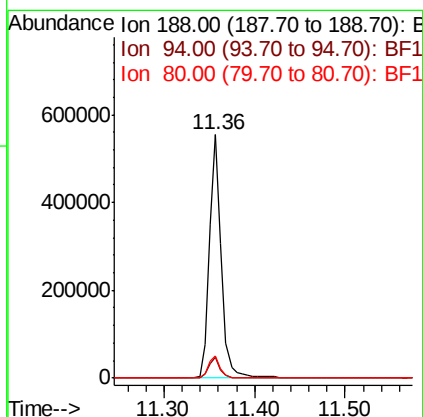
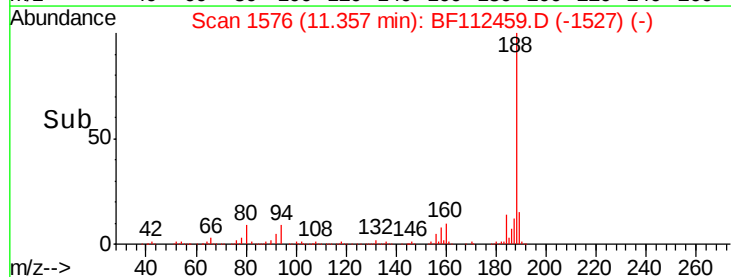
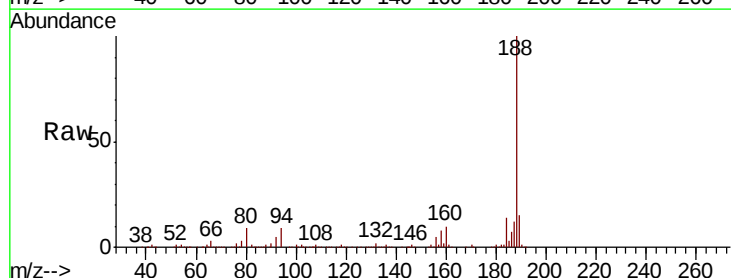
Instrument :
 BNA_F
 ClientSampleId :
 SB-09(13-16)

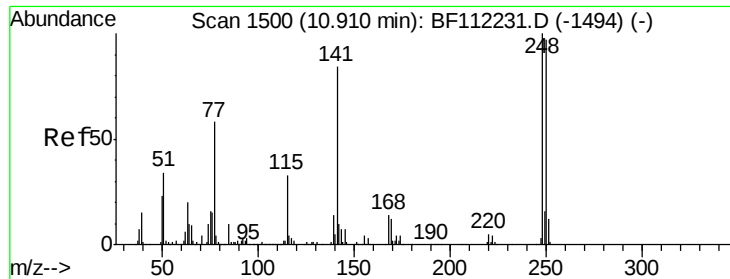
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112459.D
 Acq: 8 Feb 2019 15:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	8.9	8.9	13.3#





#67

4-Bromophenyl-phenylether

Concen: 2.830 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112459.D

Acq: 8 Feb 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-09(13-16)

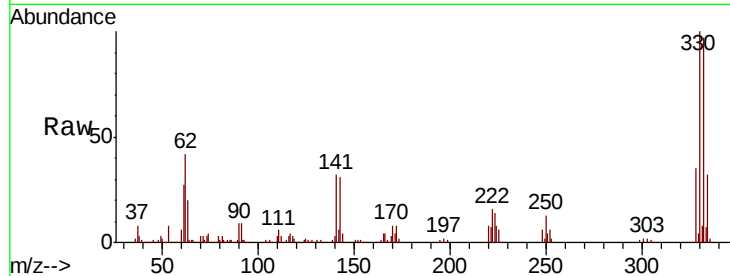
Tot Ion:248 Resp: 17014

Ion Ratio Lower Upper

248 100

250 205.7 79.7 119.5#

141 522.7 60.3 90.5#

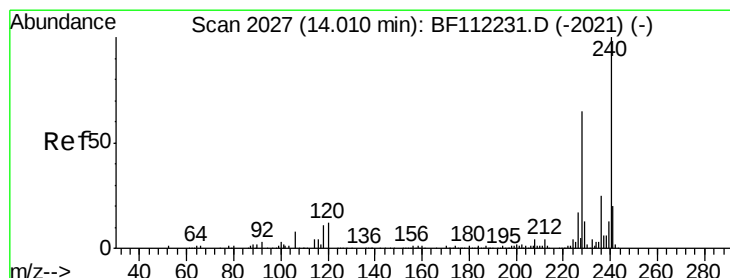
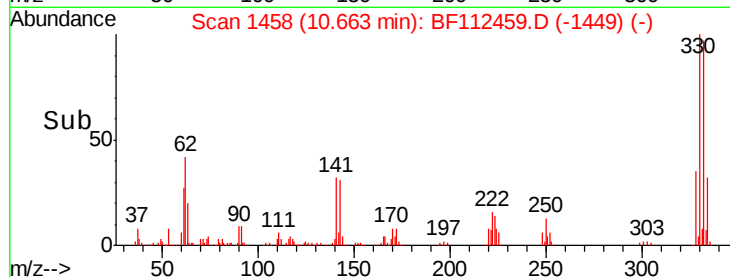
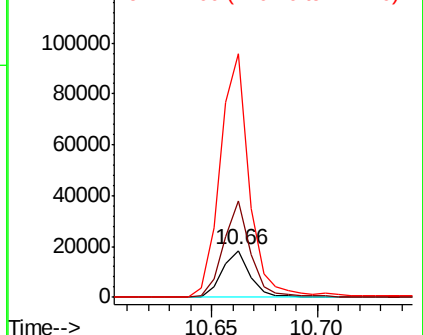


Abundance

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112459.D

Acq: 8 Feb 2019 15:03

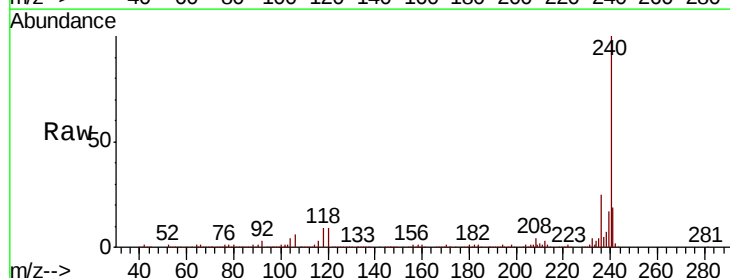
Tgt Ion:240 Resp: 423181

Ion Ratio Lower Upper

240 100

120 9.4 9.0 13.6

236 25.4 20.7 31.1

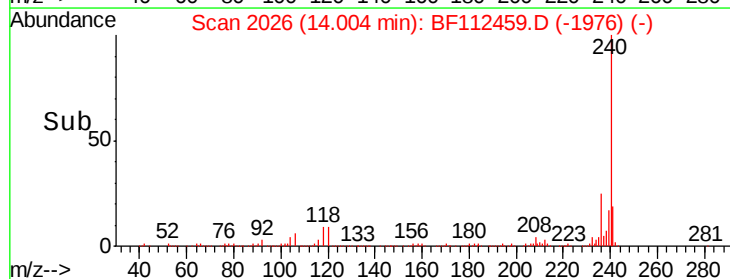
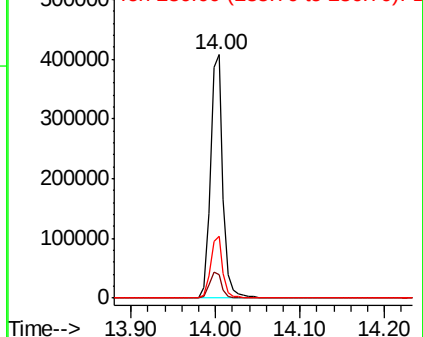


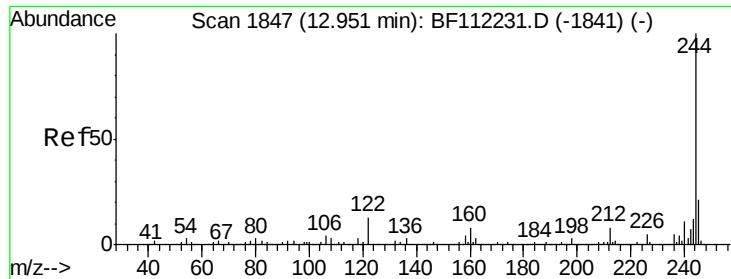
Abundance

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

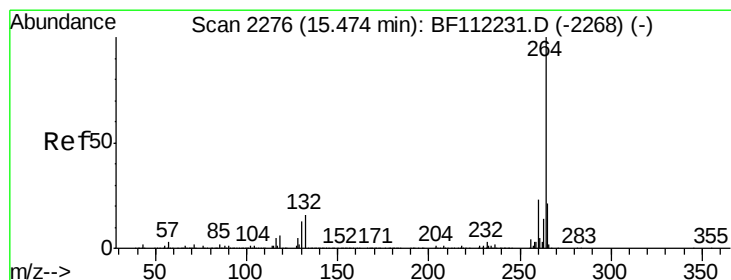
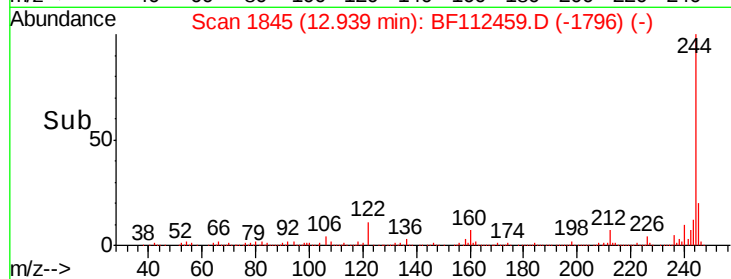
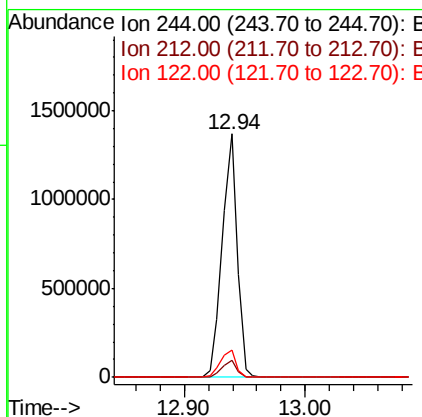
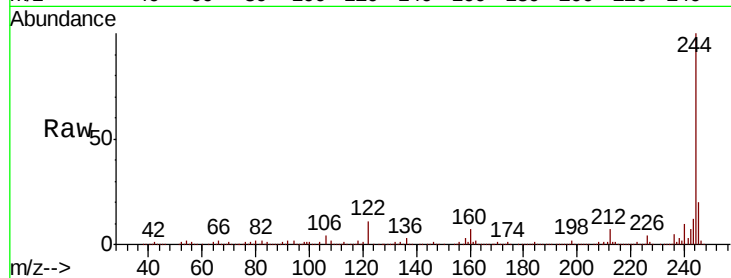




#79
 Terphenyl-d14
 Concen: 52.413 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112459.D
 Acq: 8 Feb 2019 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-09(13-16)

Tot Ion:244 Resp: 1177649
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 11.2 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BF112459.D
 Acq: 8 Feb 2019 15:03

Tgt Ion:264 Resp: 329911
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 22.0 17.0 25.4

