

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112453.D
 Acq On : 7 Feb 2019 22:05
 Operator : JU/SJ
 Sample : K1403-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Feb 09 03:15:33 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

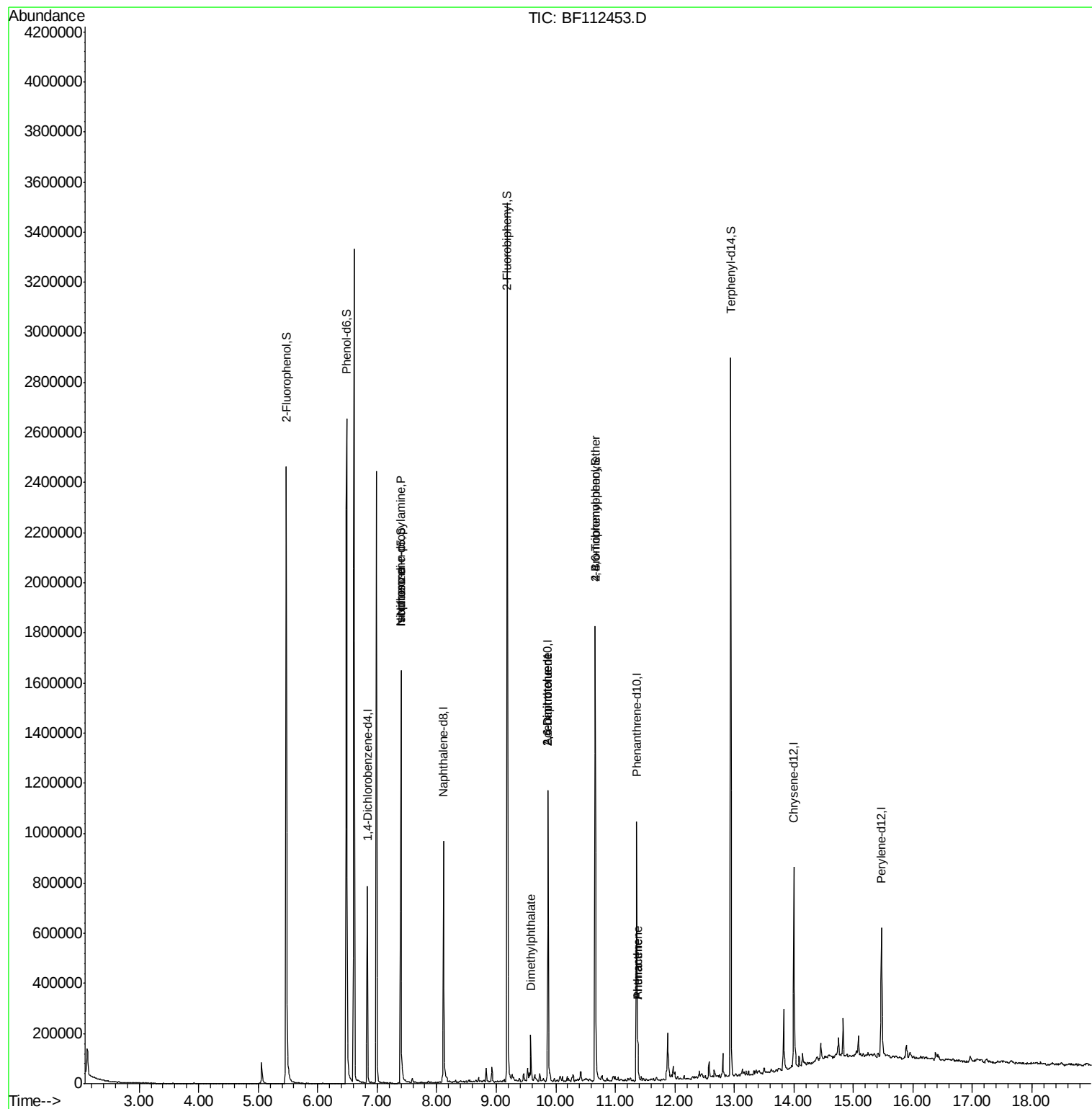
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	125138	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	472572	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	225732	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	377577	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	286717	20.00	ng	0.00
87) Perylene-d12	15.47	264	253936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	766660	130.13	ng	0.00
7) Phenol-d6	6.49	99	953818	116.51	ng	0.00
23) Nitrobenzene-d5	7.40	82	591093	72.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	235674	89.70	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1095826	68.66	ng	-0.02
79) Terphenyl-d14	12.94	244	907428	59.61	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	79713	14.121	ng	# 76
25) Isophorone	7.40	82	591154	45.945	ng	# 64
50) Dimethylphthalate	9.58	163	79121	4.511	ng	98
51) 2,6-Dinitrotoluene	9.87	165	29340	7.470	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	29340	5.867	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	14196	3.197	ng	# 1
71) Phenanthrene	11.38	178	50226	2.559	ng	97
72) Anthracene	11.38	178	50226	2.569	ng	99

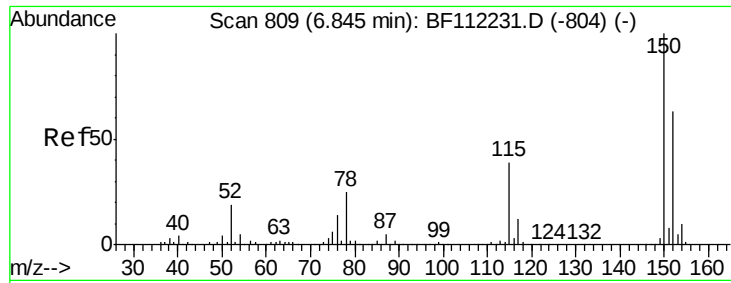
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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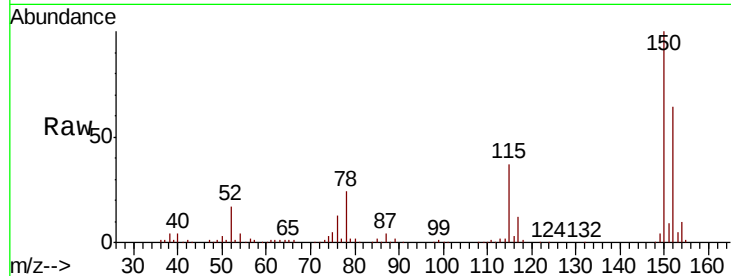


#1

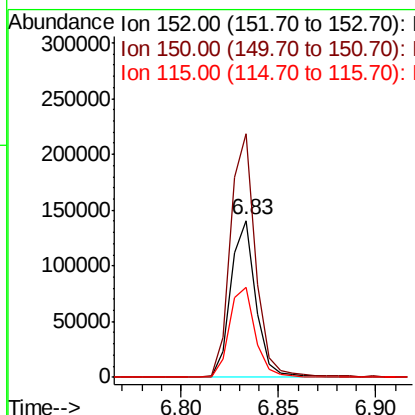
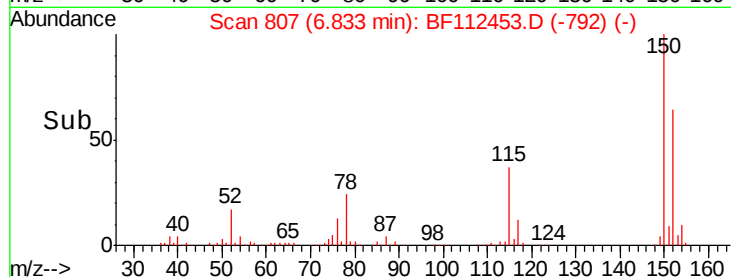
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112453.D
Acq: 7 Feb 2019 22:05

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion:152 Resp: 125138
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.0
115 57.2 45.5 68.3



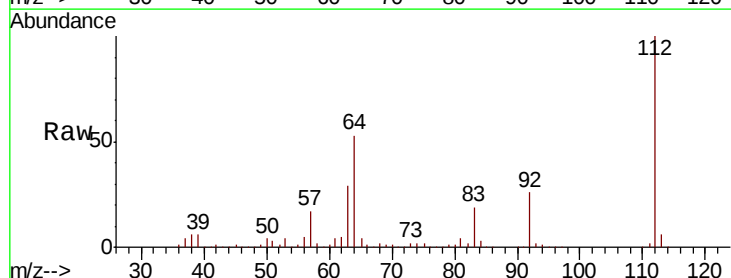
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



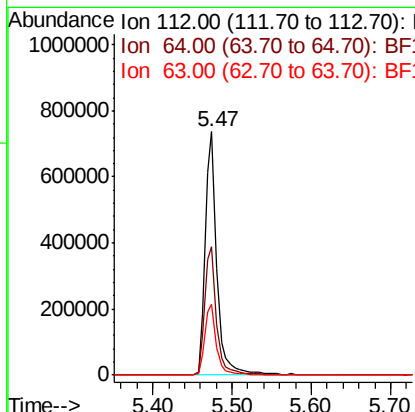
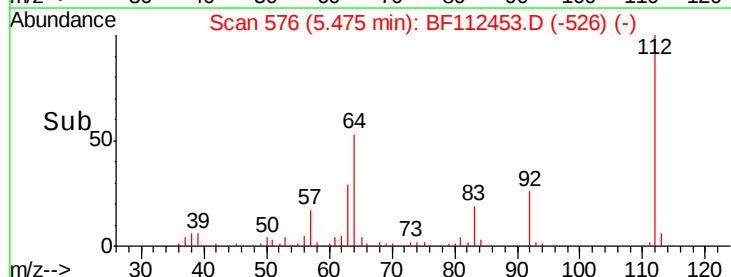
#5

2-Fluorophenol
Concen: 130.131 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112453.D
Acq: 7 Feb 2019 22:05

Tgt Ion:112 Resp: 766660
Ion Ratio Lower Upper
112 100
64 52.5 45.7 68.5
63 28.9 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: 116.512 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

Instrument :

BNA_F

ClientSampleId :

S-1

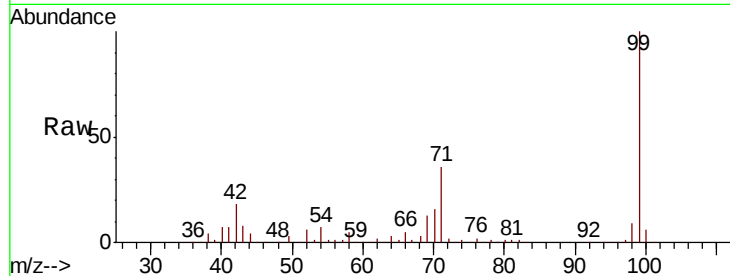
Tot Ion: 99 Resp: 953818

Ion Ratio Lower Upper

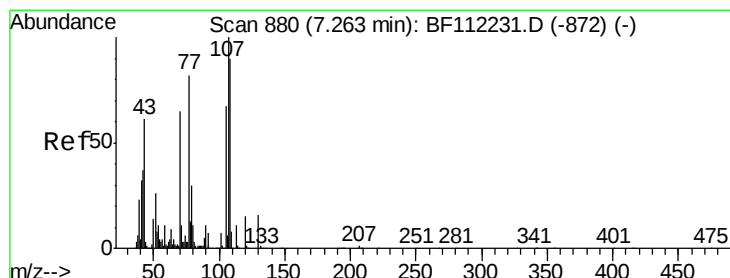
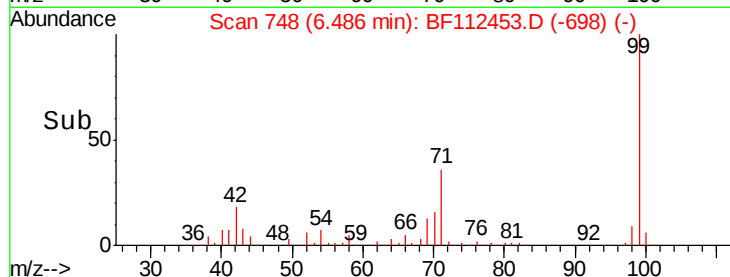
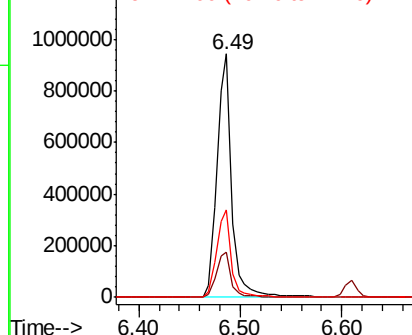
99 100

42 18.3 15.1 22.7

71 36.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.121 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

Tgt Ion: 70 Resp: 79713

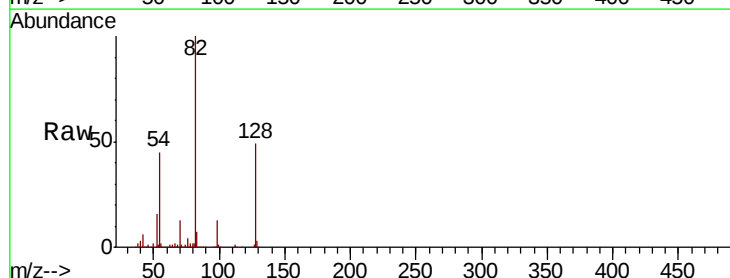
Ion Ratio Lower Upper

70 100

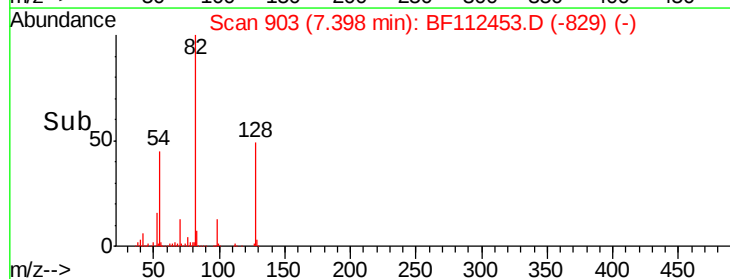
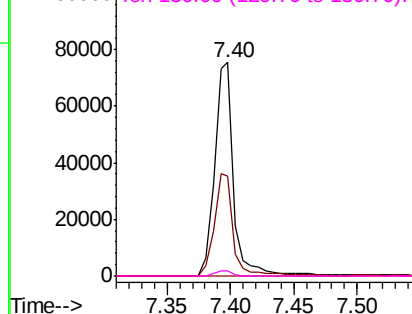
42 46.7 47.6 71.4#

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#



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

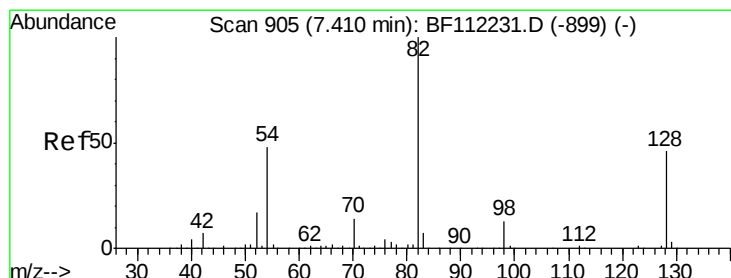
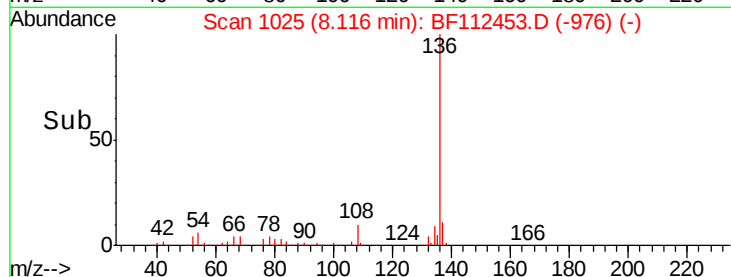
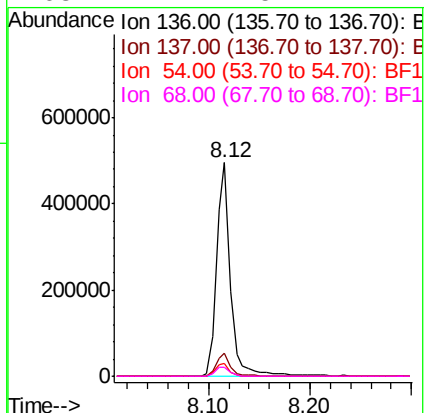
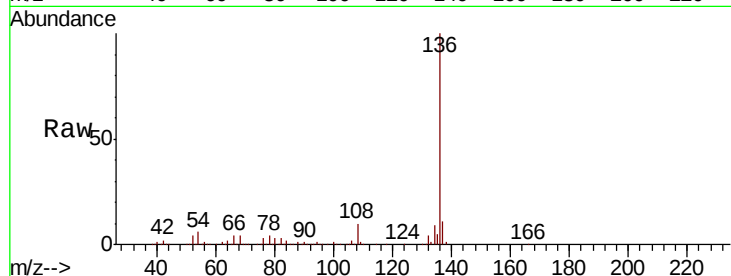




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112453.D
Acq: 7 Feb 2019 22:05

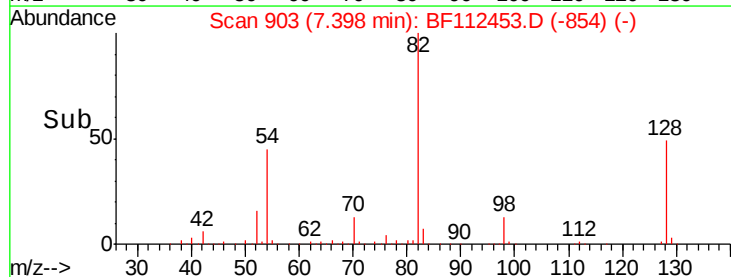
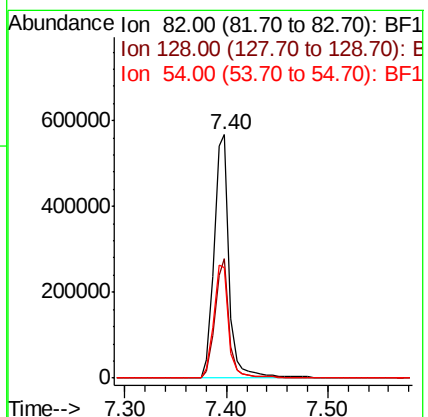
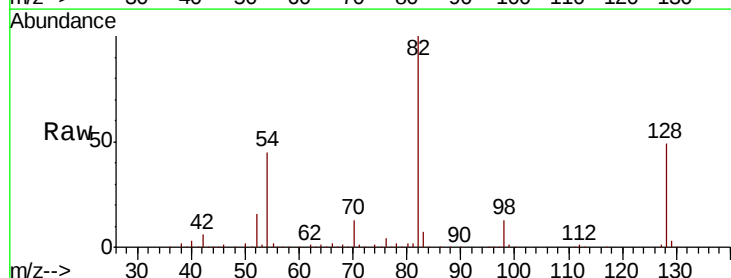
Instrument :
BNA_F
ClientSampleId :
S-1

Tot Ion:136	Resp:	472572
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	5.9	5.9 8.9
68	4.4	5.1 7.7#



#23
Nitrobenzene-d5
Concen: 72.071 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112453.D
Acq: 7 Feb 2019 22:05

Tgt Ion: 82	Resp:	591093
Ion Ratio	Lower	Upper
82	100	
128	49.0	37.8 56.8
54	45.2	39.7 59.5





#25

Isophorone

Concen: 45.945 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

Instrument :

BNA_F

ClientSampleId :

S-1

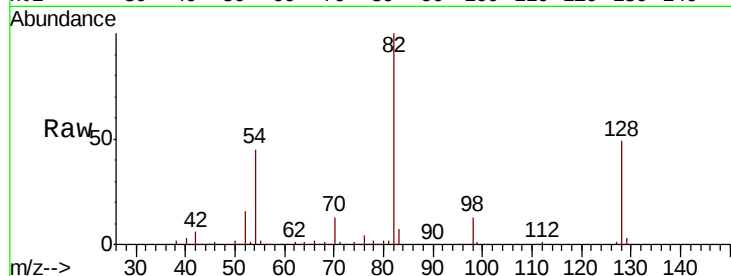
Tot Ion: 82 Resp: 591154

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

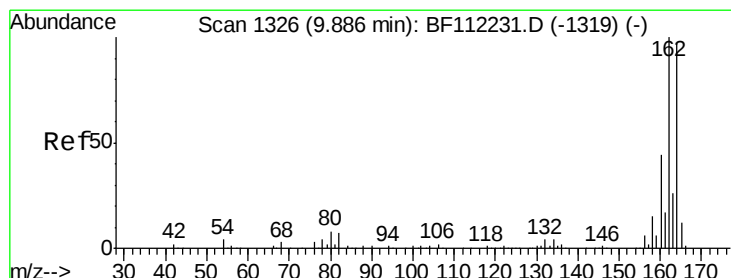
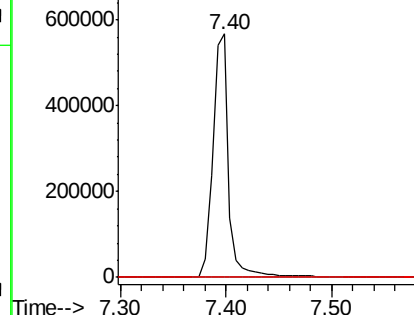
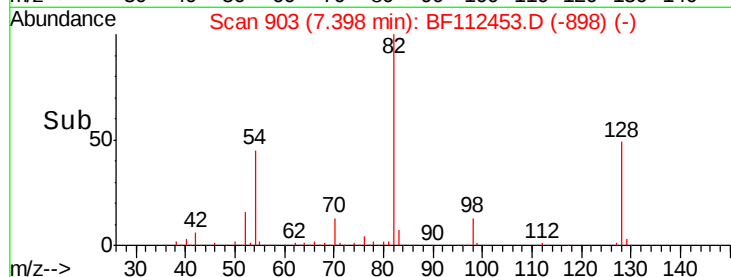
138 0.0 15.4 23.0#



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: BF112453.D

Acq: 7 Feb 2019 22:05

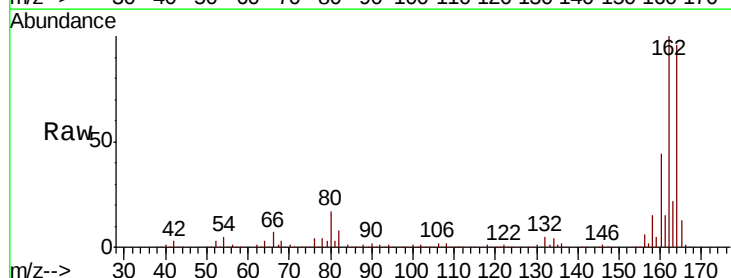
Tgt Ion: 164 Resp: 225732

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

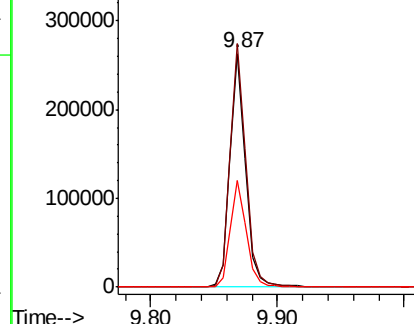
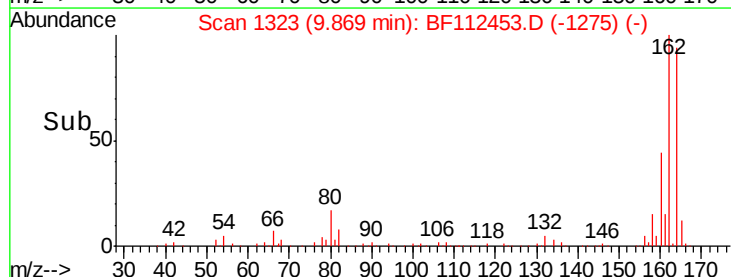
160 45.6 36.2 54.4

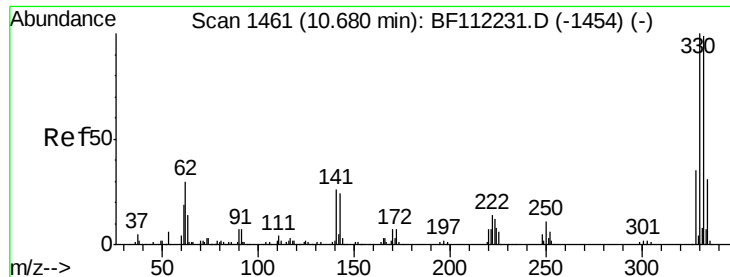


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 89.697 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

Instrument :

BNA_F

ClientSampleId :

S-1

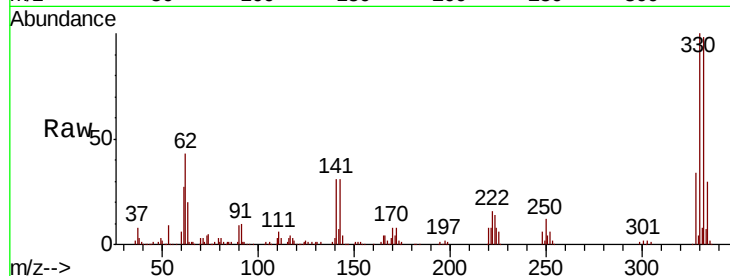
Tot Ion:330 Resp: 235674

Ion Ratio Lower Upper

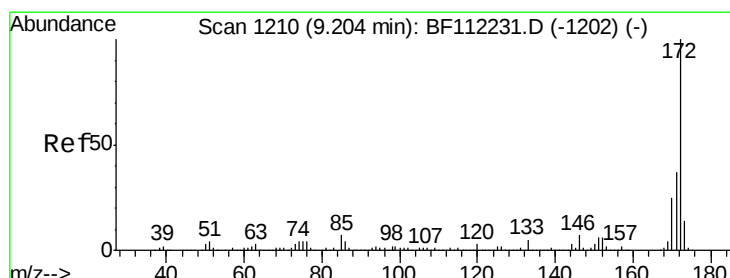
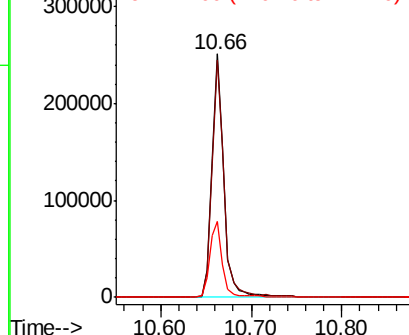
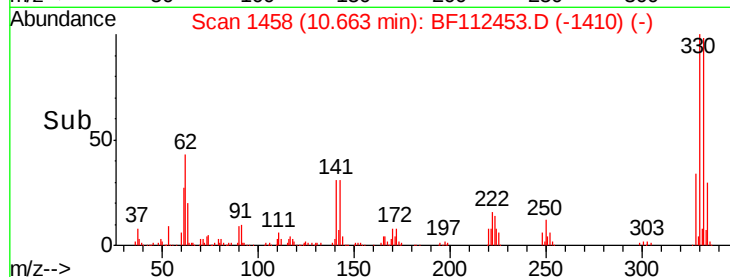
330 100

332 97.8 76.6 114.8

141 33.0 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: 68.660 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

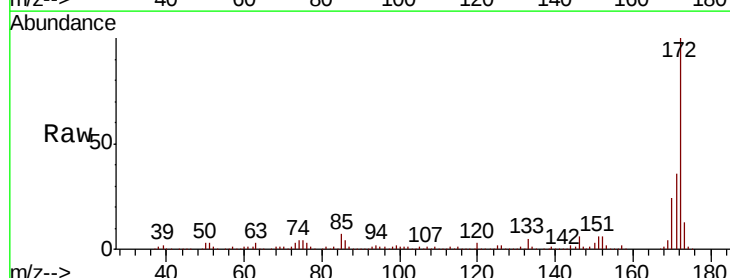
Tgt Ion:172 Resp: 1095826

Ion Ratio Lower Upper

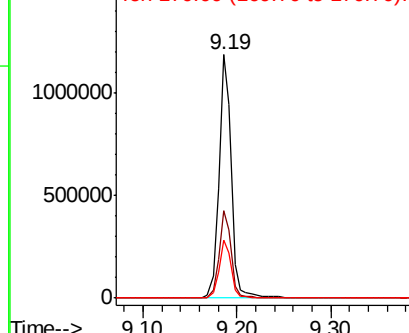
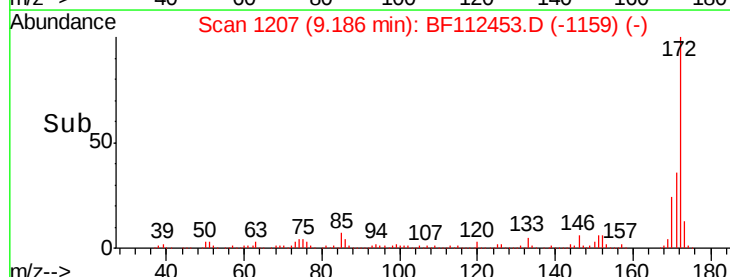
172 100

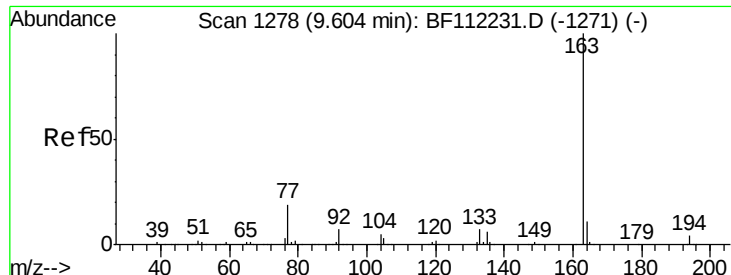
171 36.2 30.5 45.7

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

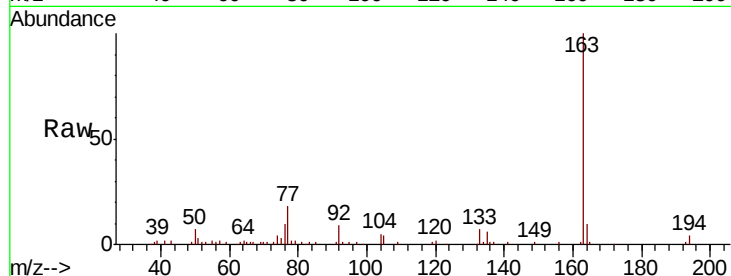




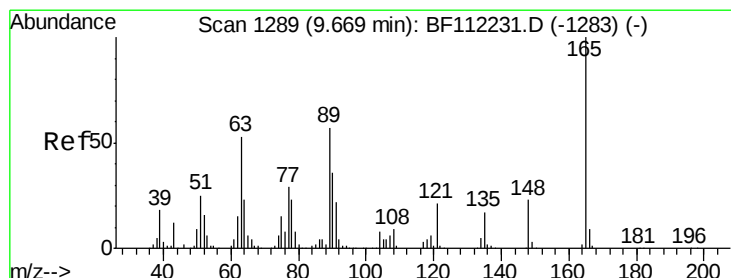
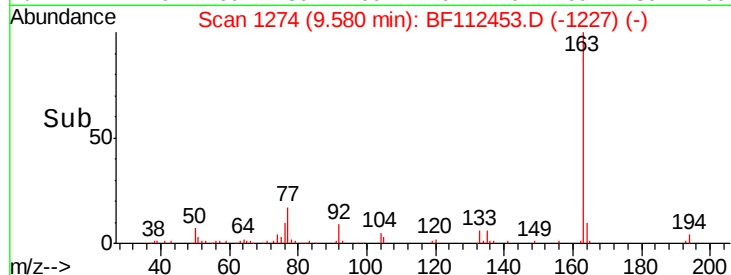
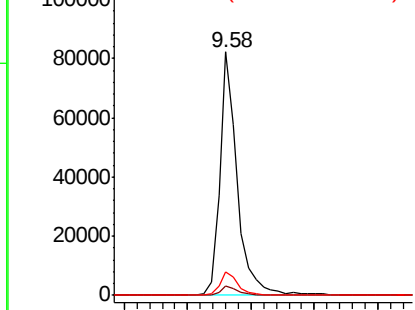
#50
Dimethylphthalate
Concen: 4.511 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112453.D
Acq: 7 Feb 2019 22:05

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion:163 Resp: 79121
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.7 8.5 12.7

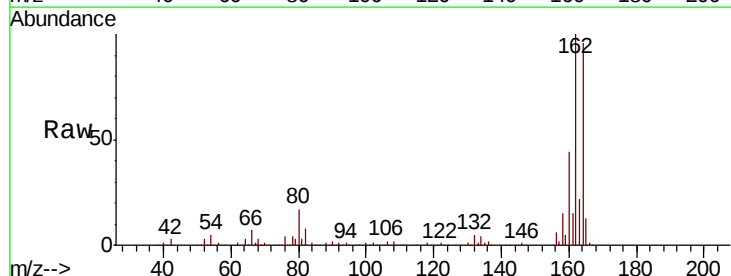


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

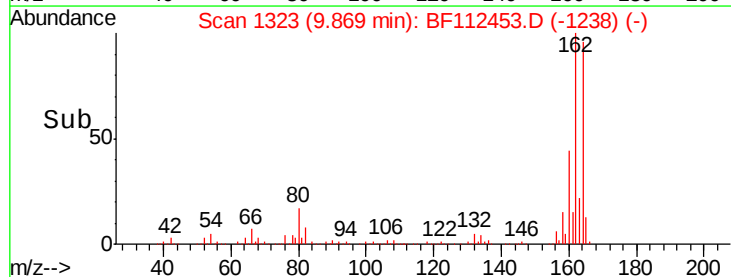
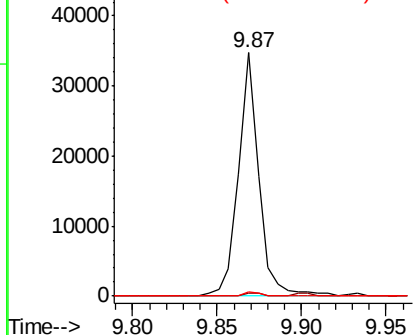


#51
2,6-Dinitrotoluene
Concen: 7.470 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112453.D
Acq: 7 Feb 2019 22:05

Tgt Ion:165 Resp: 29340
Ion Ratio Lower Upper
165 100
63 1.5 33.8 50.8#
89 1.7 36.9 55.3#



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

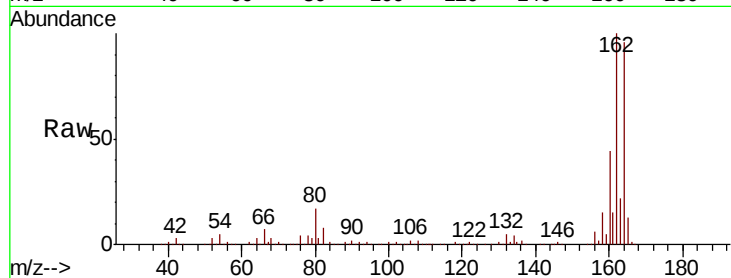




#57
 2,4-Dinitrotoluene
 Concen: 5.867 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112453.D
 Acq: 7 Feb 2019 22:05

Instrument :
 BNA_F
 ClientSampled :
 S-1

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.9	41.9#
89	1.7	47.9	71.9#
182	0.0	2.2	3.4#



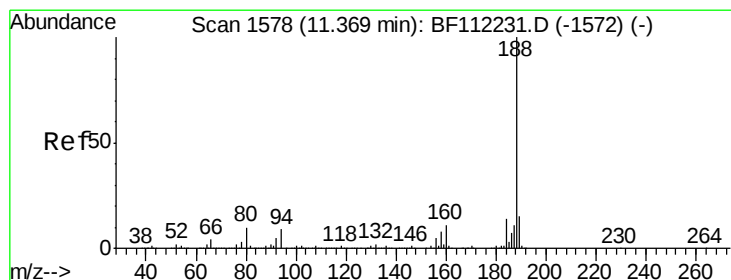
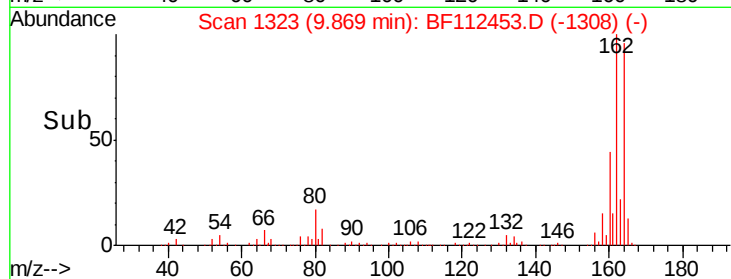
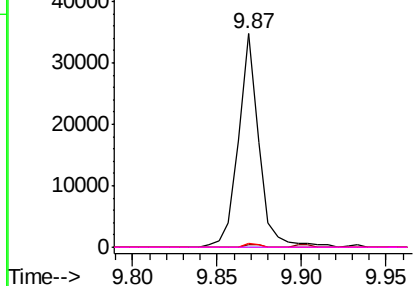
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

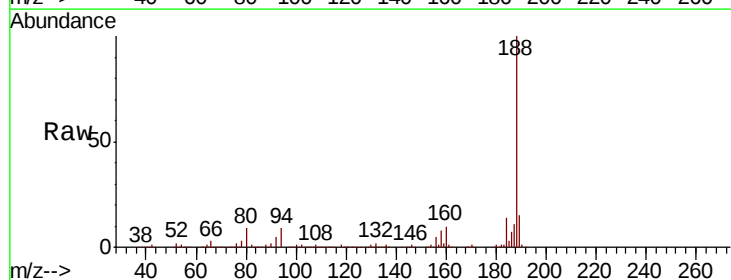
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112453.D
 Acq: 7 Feb 2019 22:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	8.9	8.9	13.3

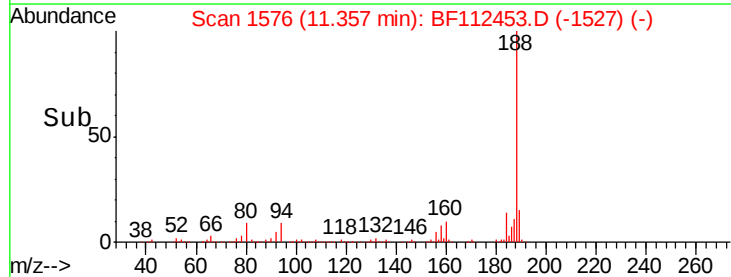
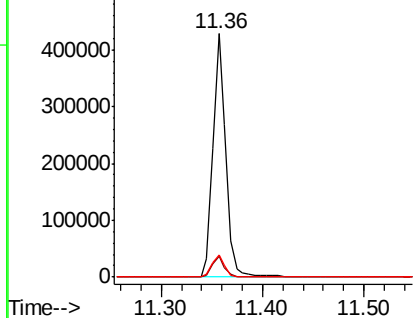


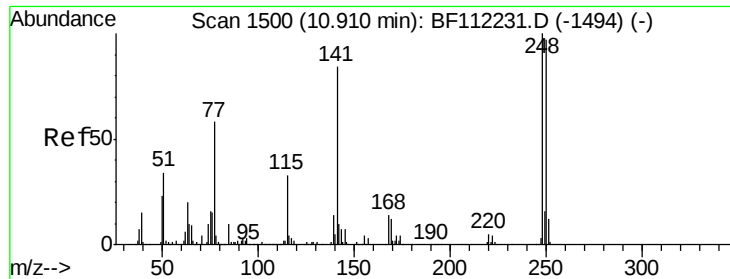
Abundance

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

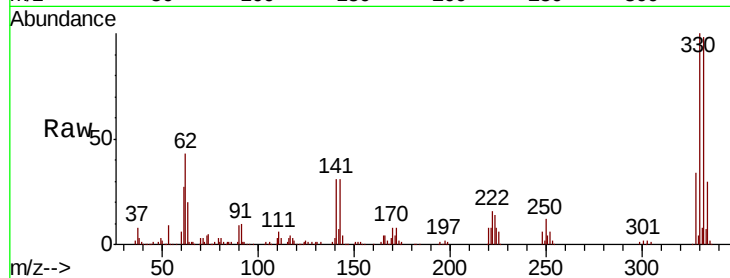




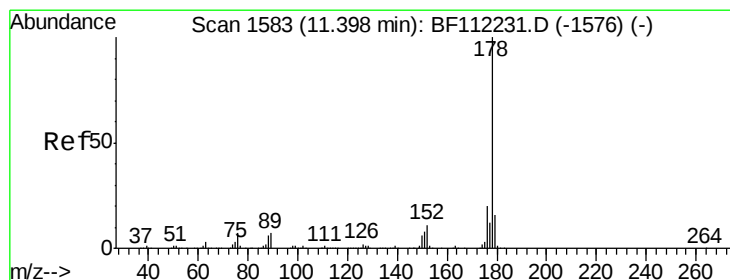
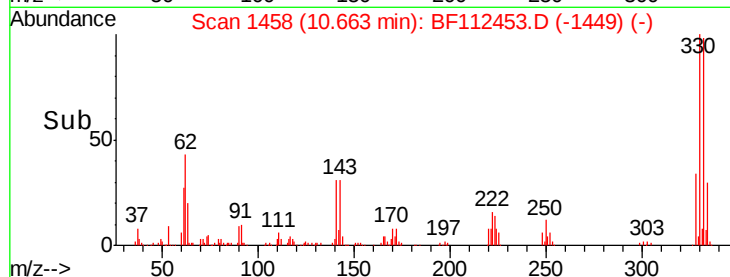
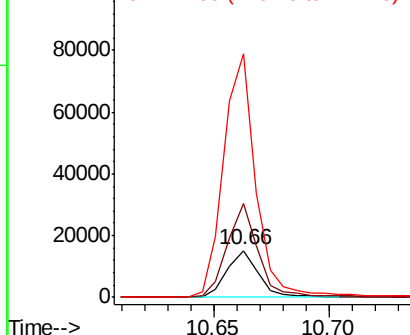
#67
 4-Bromophenyl-phenylether
 Concen: 3.197 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112453.D
 Acq: 7 Feb 2019 22:05

Instrument :
 BNA_F
 ClientSampled :
 S-1

Tot Ion:248 Resp: 14196
 Ion Ratio Lower Upper
 248 100
 250 201.0 79.7 119.5#
 141 519.5 60.3 90.5#

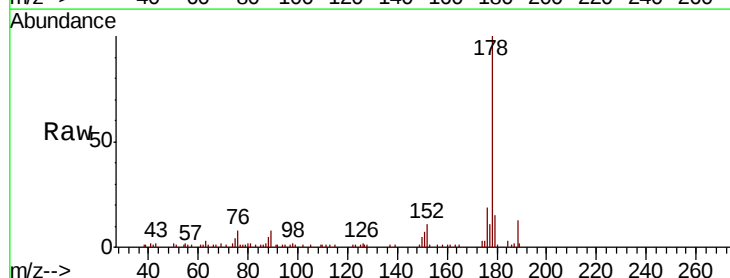


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

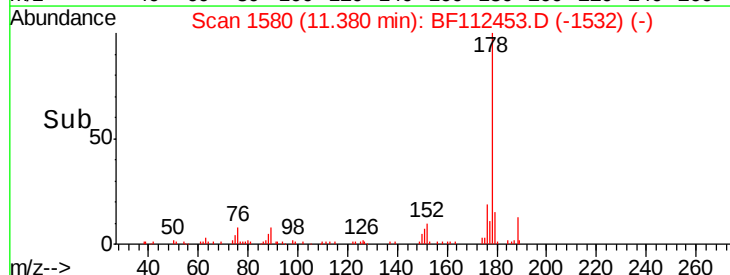
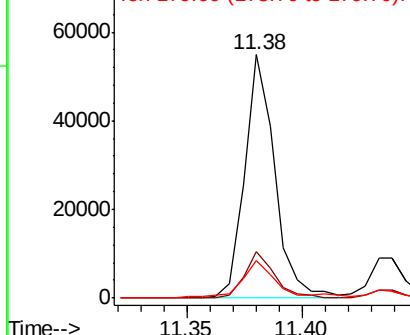


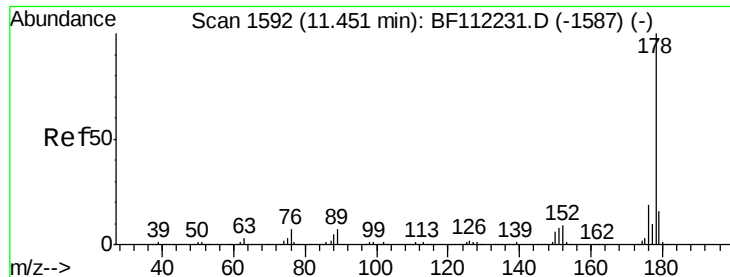
#71
 Phenanthrene
 Concen: 2.559 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112453.D
 Acq: 7 Feb 2019 22:05

Tgt Ion:178 Resp: 50226
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.3 24.5
 179 15.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.569 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.07 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

Instrument :

BNA_F

ClientSampleId :

S-1

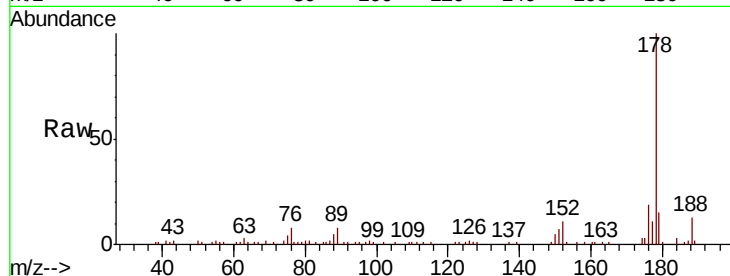
Tot Ion:178 Resp: 50226

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

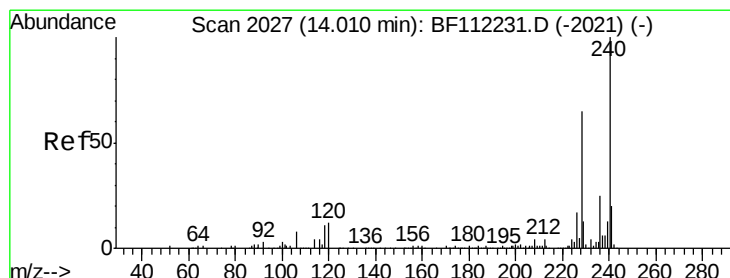
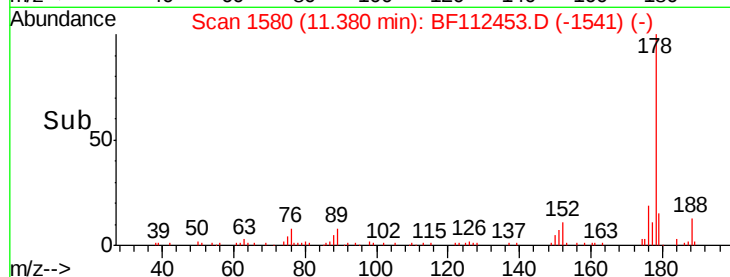
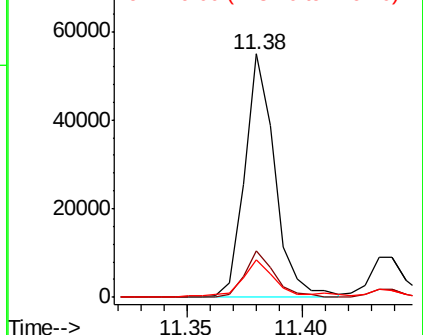
179 15.4 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112453.D

Acq: 7 Feb 2019 22:05

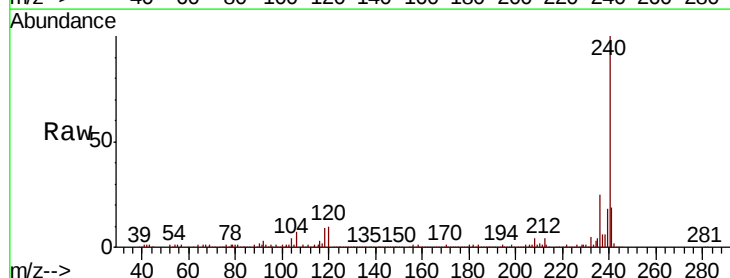
Tgt Ion:240 Resp: 286717

Ion Ratio Lower Upper

240 100

120 9.6 9.0 13.6

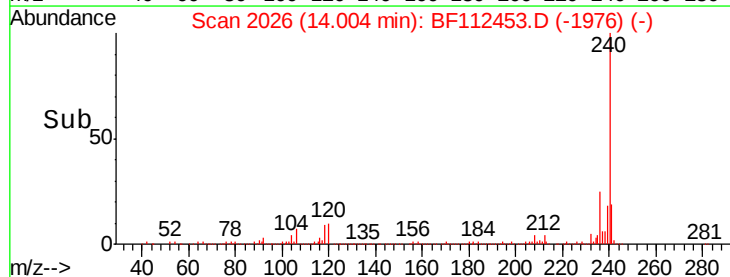
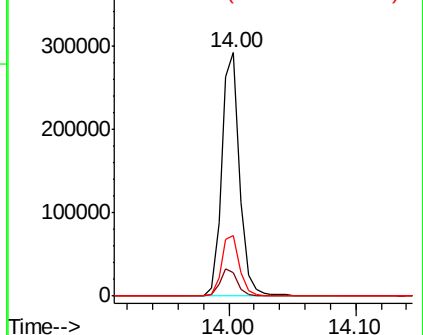
236 24.8 20.7 31.1

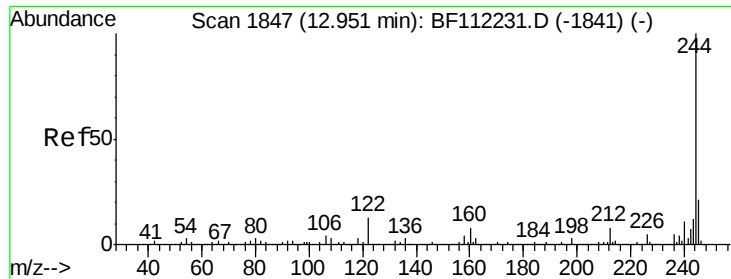


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

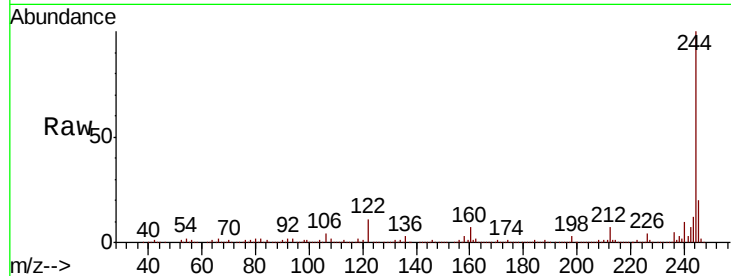




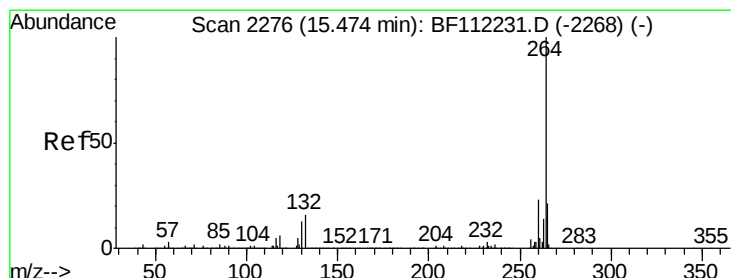
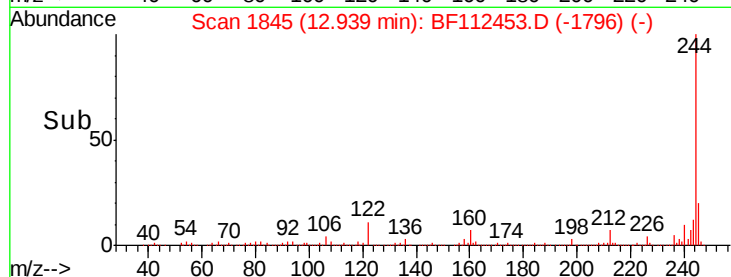
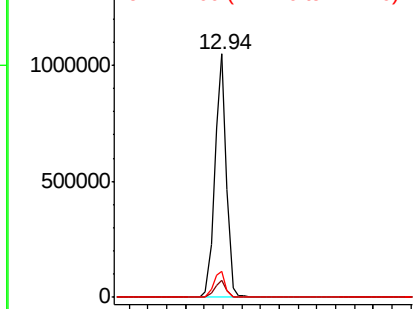
#79
 Terphenyl-d14
 Concen: 59.609 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112453.D
 Acq: 7 Feb 2019 22:05

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tot Ion:244 Resp: 907428
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.6 9.8 14.6

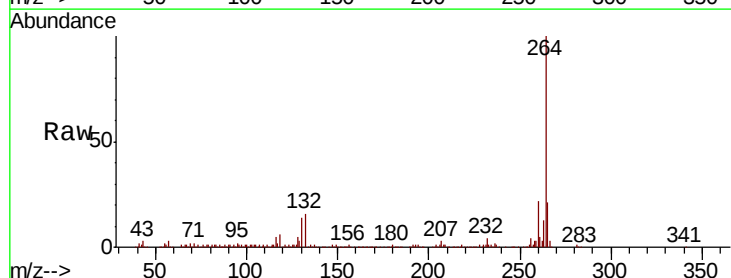


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BF112453.D
 Acq: 7 Feb 2019 22:05

Tgt Ion:264 Resp: 253936
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.2 27.2
 265 21.2 17.0 25.4



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

