

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112443.D
 Acq On : 7 Feb 2019 17:33
 Operator : JU/SJ
 Sample : K1401-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3451

Quant Time: Feb 09 03:13:43 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	140393	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	543274	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	251862	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	414535	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	301690	20.00	ng	-0.01
87) Perylene-d12	15.47	264	270182	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	854439	129.27	ng	-0.01
7) Phenol-d6	6.49	99	1092912	119.00	ng	0.00
23) Nitrobenzene-d5	7.40	82	674068	71.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	282088	96.22	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1114139	62.56	ng	-0.02
79) Terphenyl-d14	12.94	244	865564	54.04	ng	-0.01

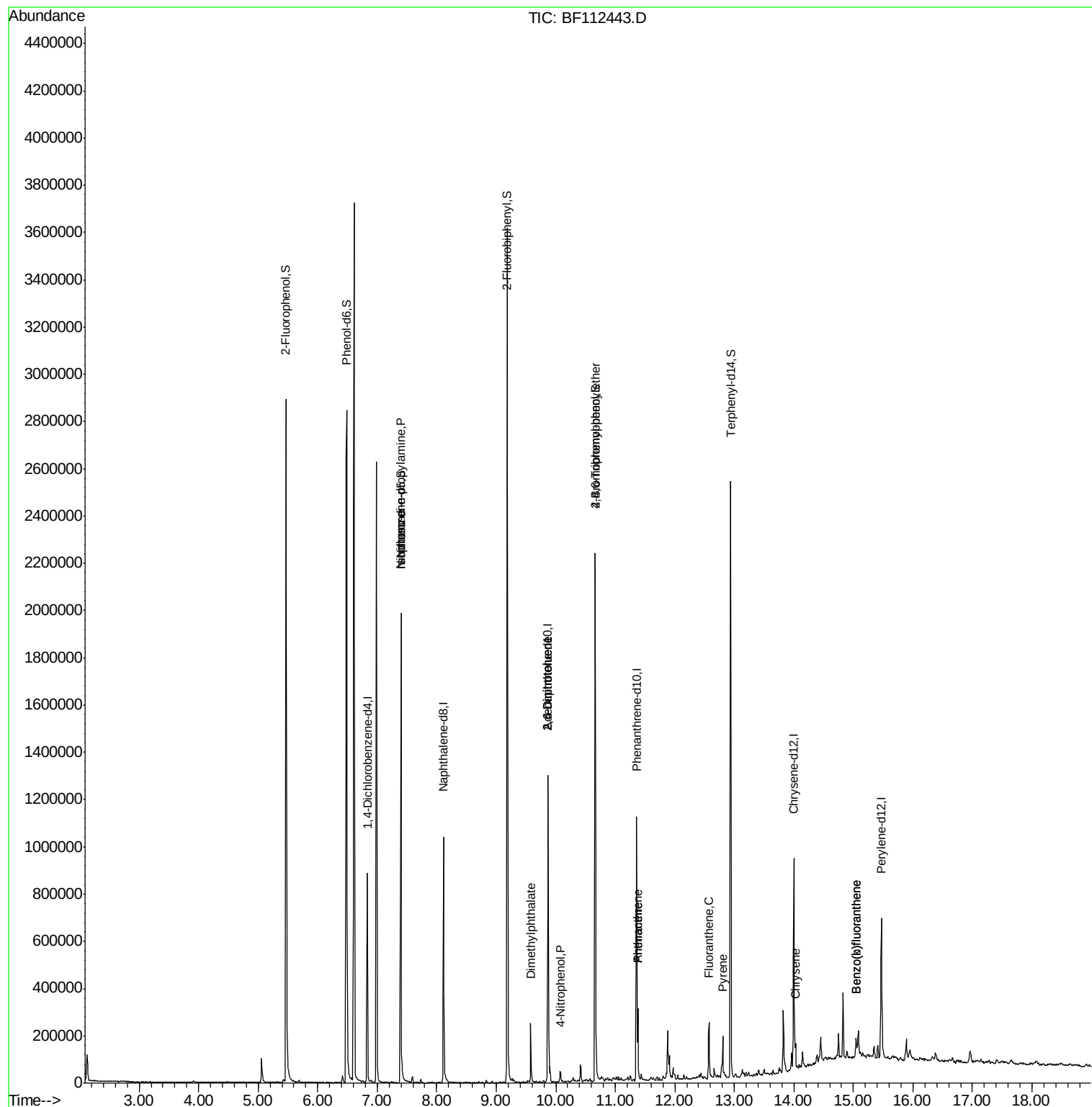
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	91439	14.438	ng	# 75
25) Isophorone	7.40	82	674117	45.575	ng	# 63
50) Dimethylphthalate	9.58	163	107271	5.482	ng	99
51) 2,6-Dinitrotoluene	9.87	165	32575	7.433	ng	# 34
56) 4-Nitrophenol	10.07	139	6643	2.646	ng	# 15
57) 2,4-Dinitrotoluene	9.87	165	32575	5.839	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17371	3.563	ng	# 1
71) Phenanthrene	11.38	178	106202	4.928	ng	99
72) Anthracene	11.38	178	106202	4.947	ng	99
75) Fluoranthene	12.57	202	91424	3.955	ng	97
78) Pyrene	12.80	202	67378	3.226	ng	98
83) Chrysene	14.03	228	39101	2.310	ng	96
88) Benzo(b)fluoranthene	15.04	252	54484	3.372	ng	# 92
89) Benzo(k)fluoranthene	15.04	252	54484	3.520	ng	# 92

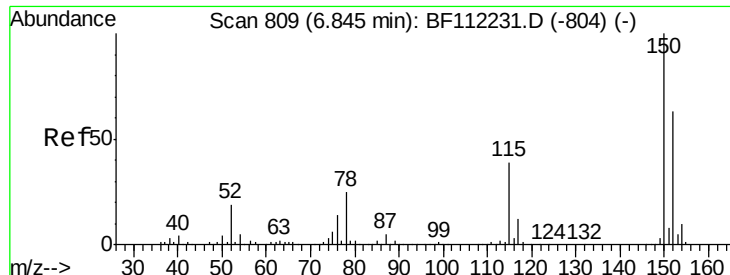
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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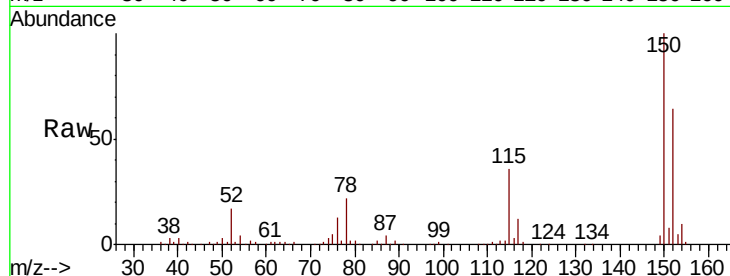


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Instrument :
BNA_F
ClientSampleId :
RT-3451

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.0
115	56.7	45.5	68.3

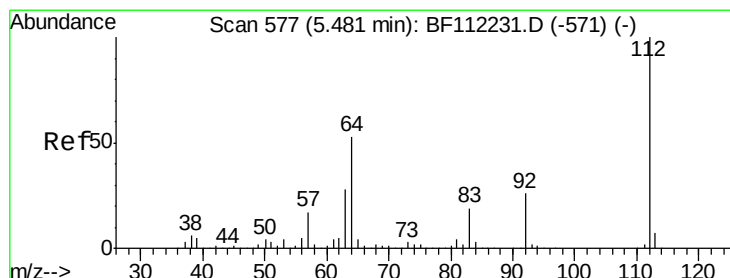
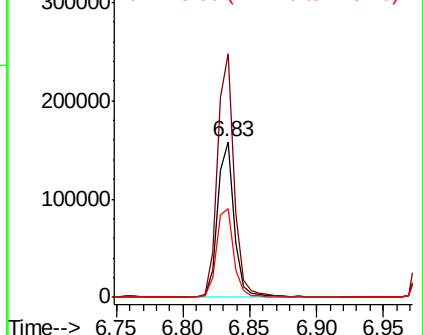
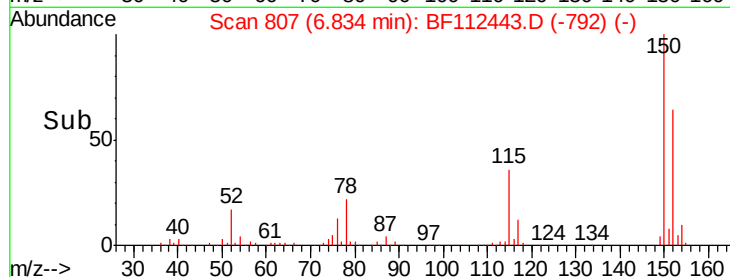


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

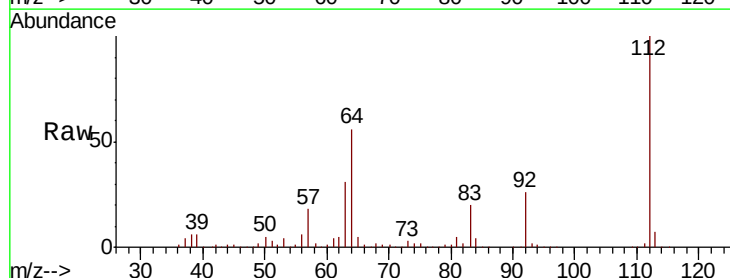
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.272 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.7	68.5
63	30.6	23.6	35.4

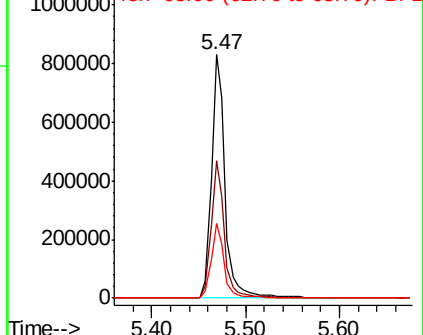
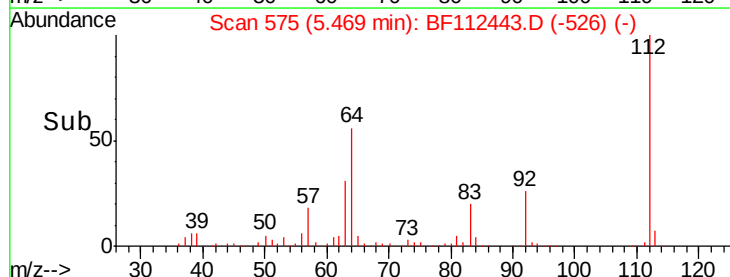


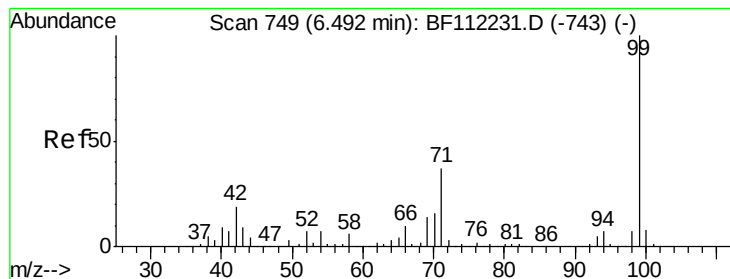
Abundance

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: 118.996 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

Instrument :

BNA_F

ClientSampleId :

RT-3451

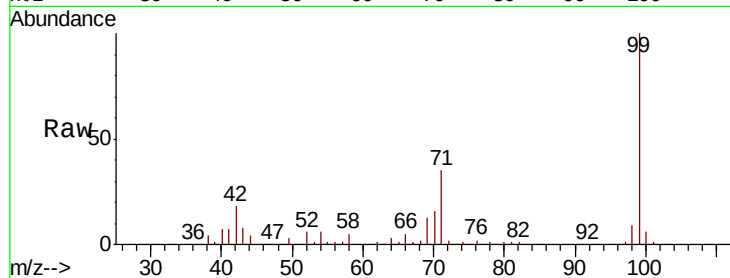
Tot Ion: 99 Resp: 1092912

Ion Ratio Lower Upper

99 100

42 18.0 15.1 22.7

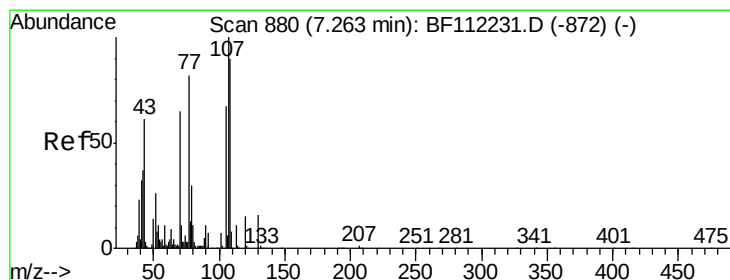
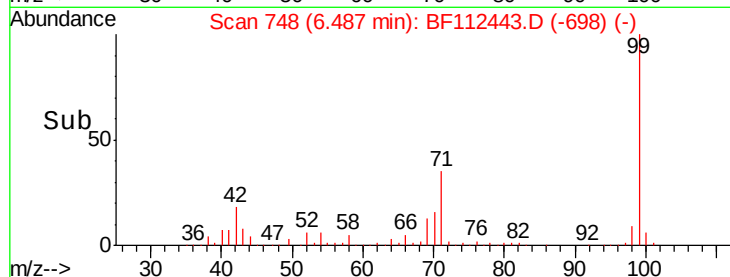
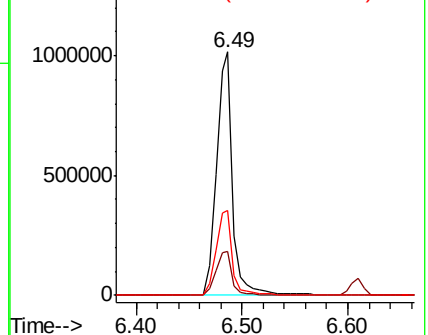
71 35.1 26.9 40.3



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: 14.438 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

Tgt Ion: 70 Resp: 91439

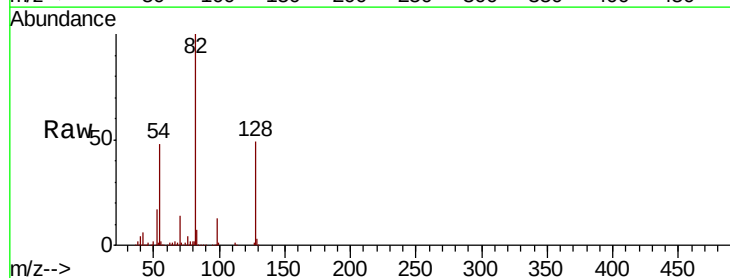
Ion Ratio Lower Upper

70 100

42 46.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#

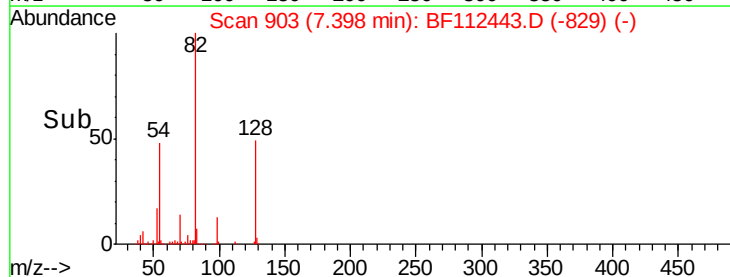
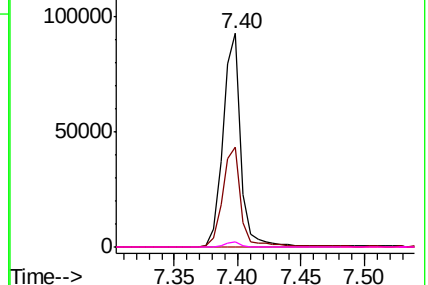


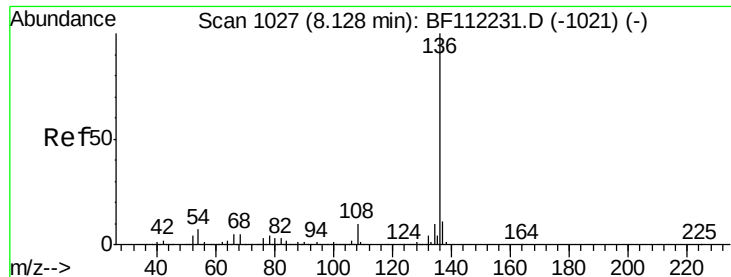
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

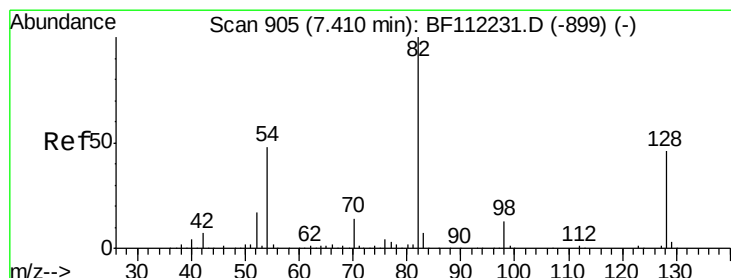
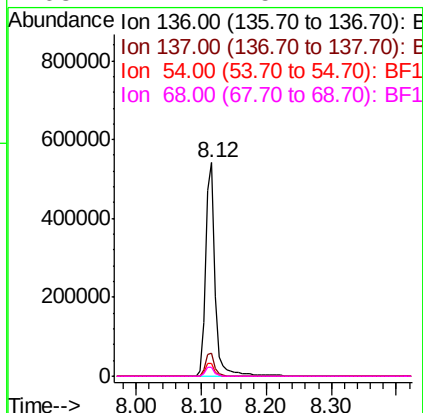
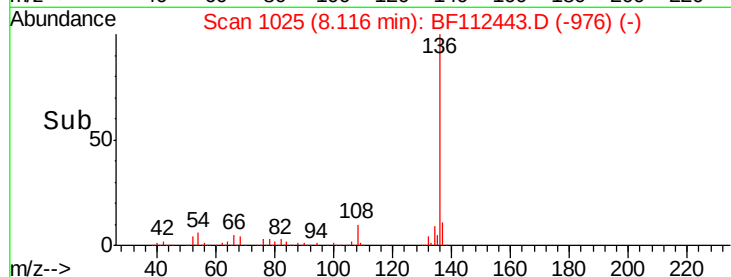
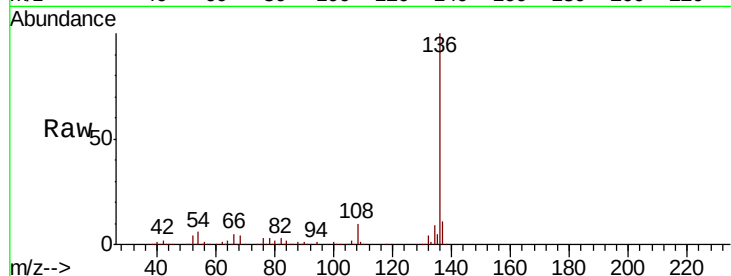




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

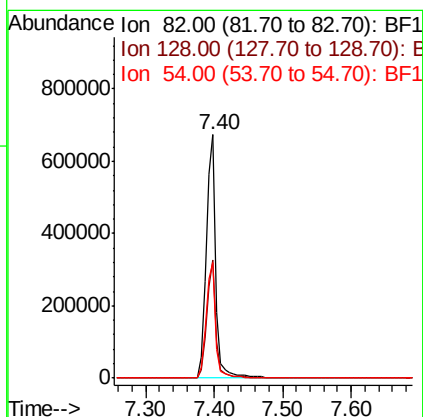
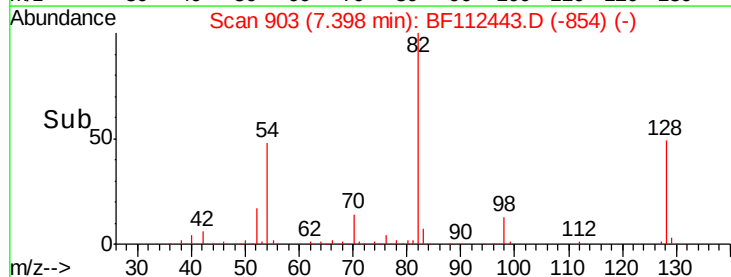
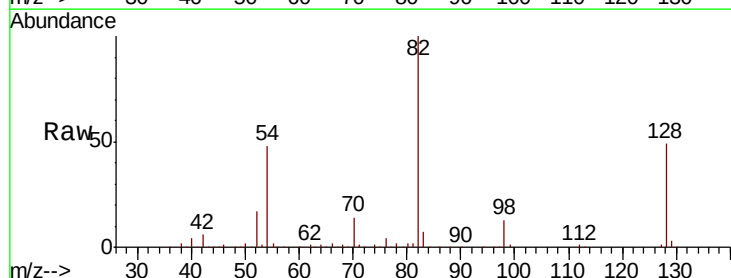
Instrument :
BNA_F
ClientSampleId :
RT-3451

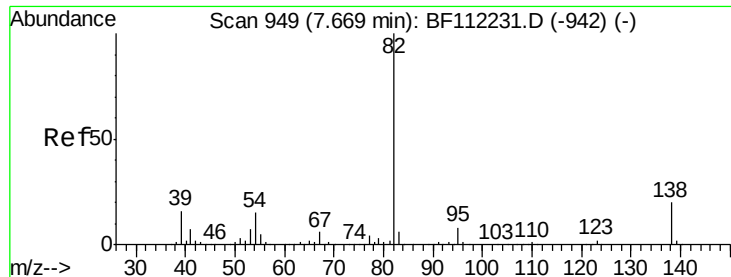
Tot Ion:136	Resp:	543274
Ion Ratio	Lower	Upper
136 100		
137 10.7	9.1	13.7
54 6.2	5.9	8.9
68 4.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 71.492 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt	Ion: 82	Resp:	674068
Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.8	56.8
54	47.6	39.7	59.5





#25

Isophorone

Concen: 45.575 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

Instrument :

BNA_F

ClientSampled :

RT-3451

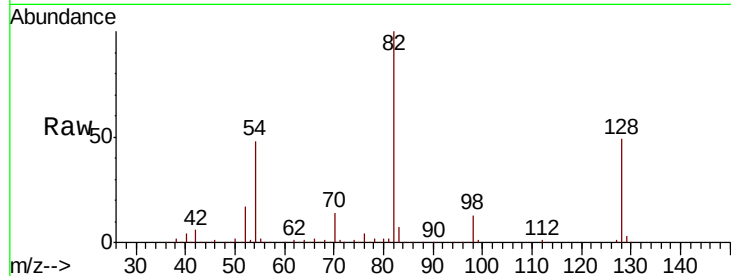
Tot Ion: 82 Resp: 674117

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

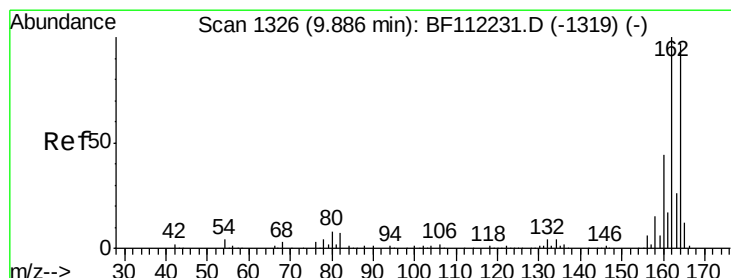
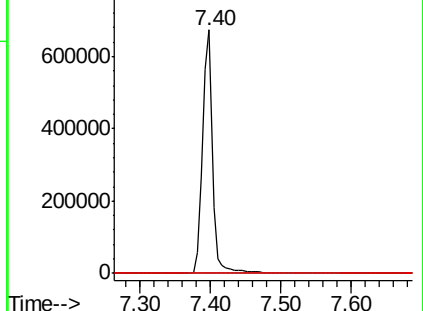
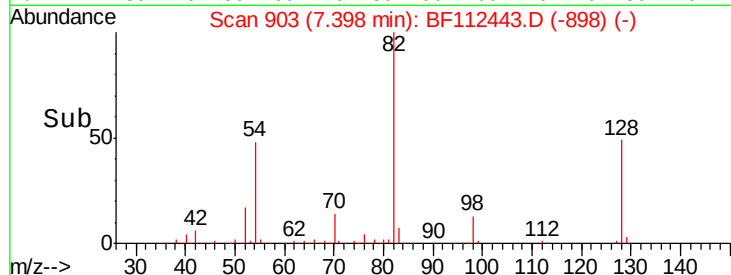
138 0.0 15.4 23.0#



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: BF112443.D

Acq: 7 Feb 2019 17:33

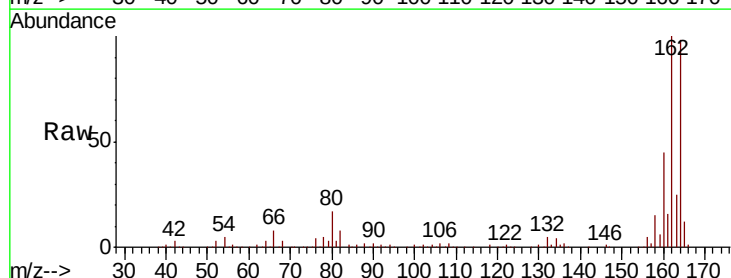
Tgt Ion: 164 Resp: 251862

Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.4

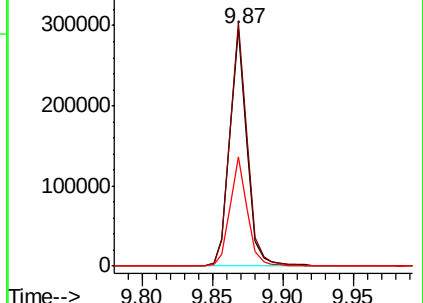
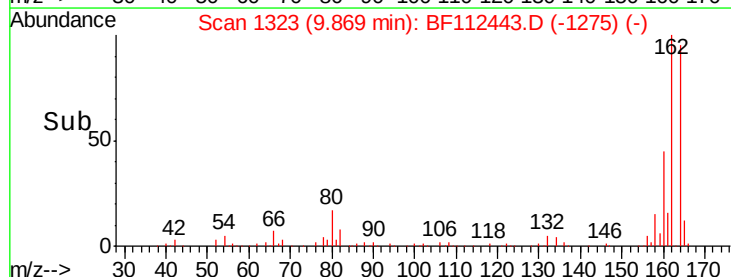
160 45.8 36.2 54.4

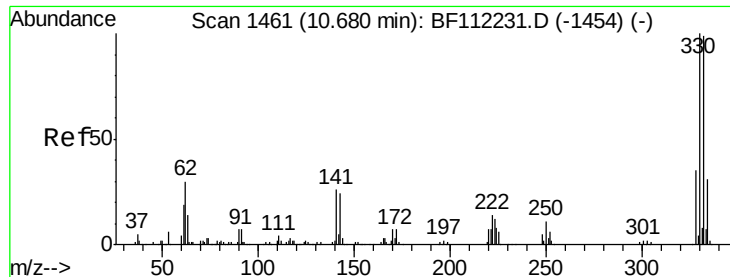


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

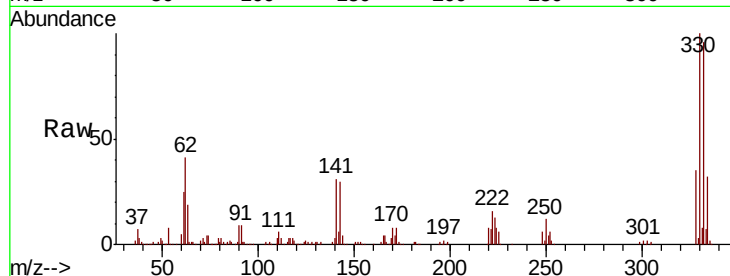




#42
 2,4,6-Tribromophenol
 Concen: 96.223 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112443.D
 Acq: 7 Feb 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 RT-3451

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	32.5	24.3	36.5

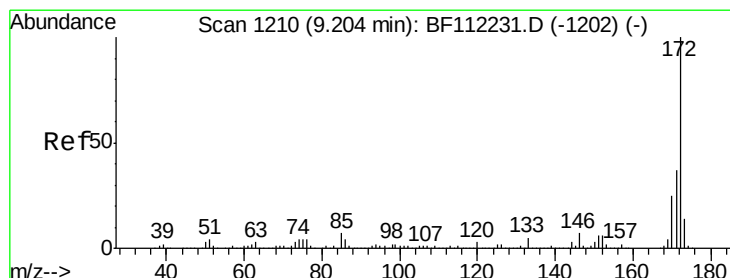
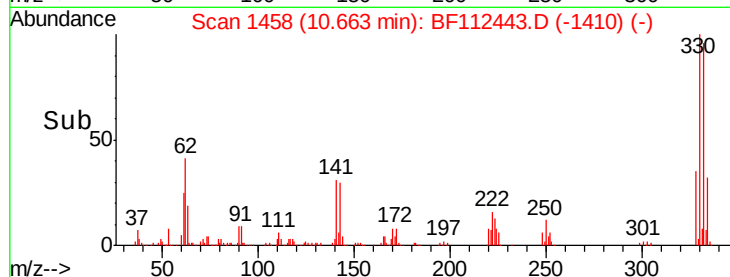
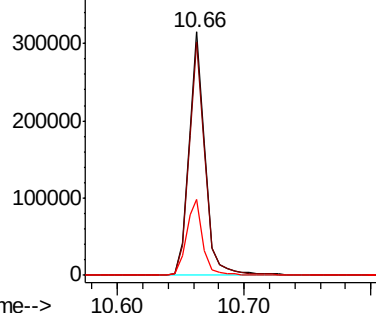


Abundance

Ion 329.80 (329.50 to 330.50): E

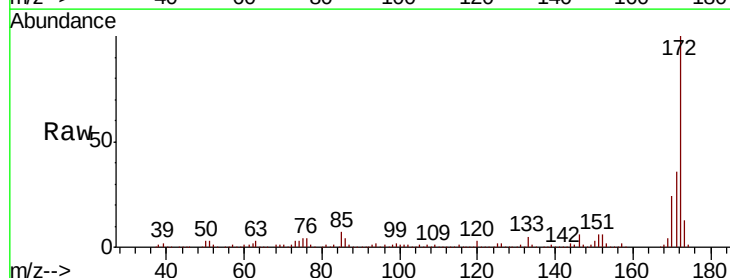
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.565 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112443.D
 Acq: 7 Feb 2019 17:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.7
170	23.7	20.2	30.4

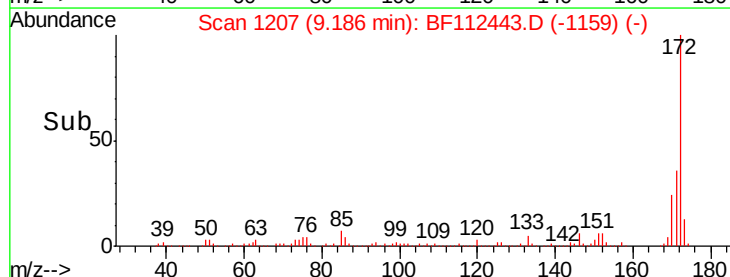
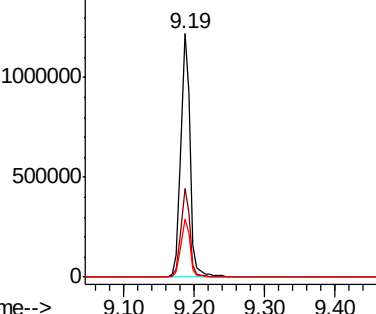


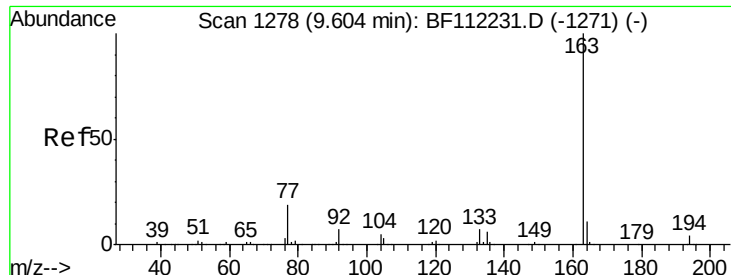
Abundance

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

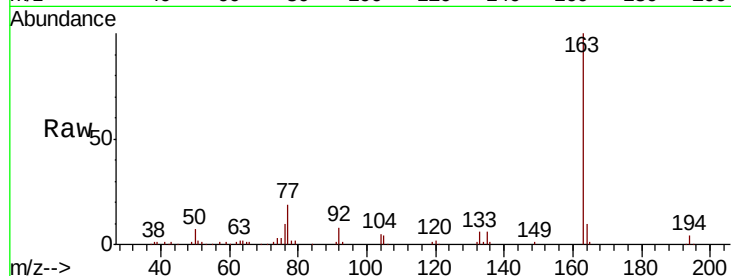




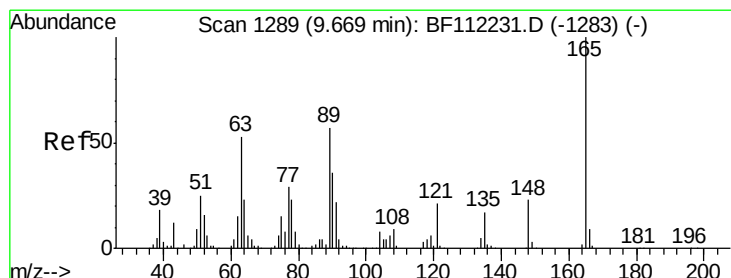
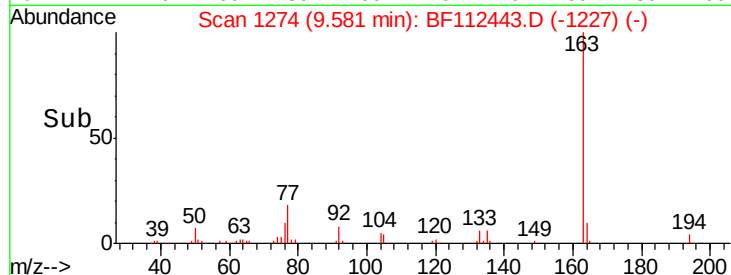
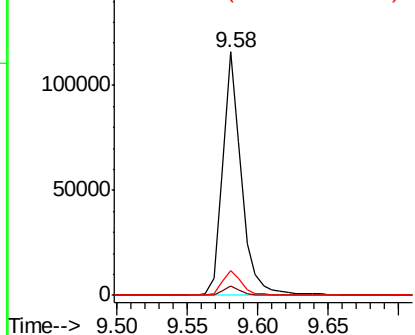
#50
Dimethylphthalate
Concen: 5.482 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Instrument :
BNA_F
ClientSampled :
RT-3451

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.5	12.7

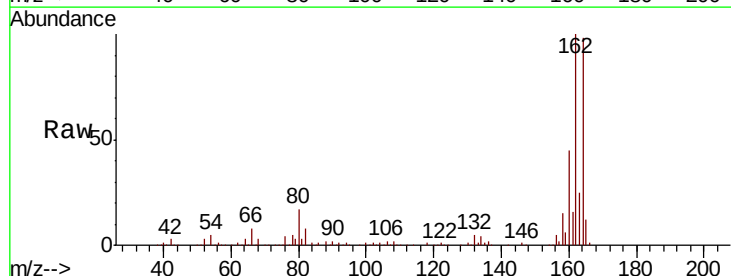


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

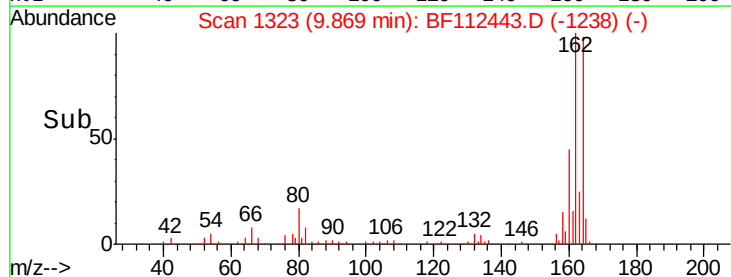
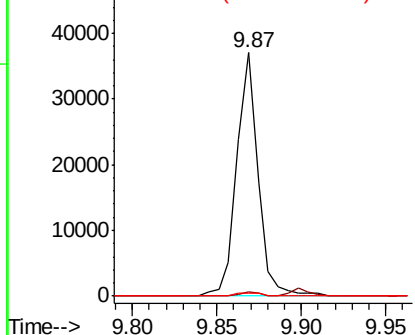


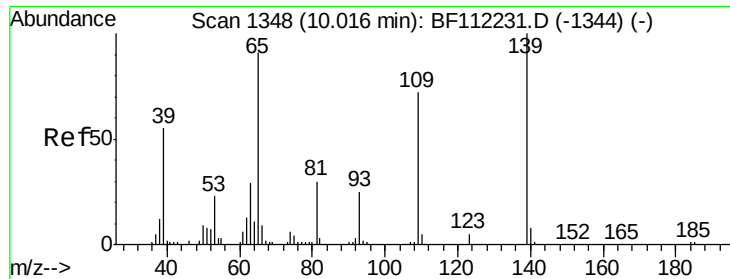
#51
2,6-Dinitrotoluene
Concen: 7.433 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	33.8	50.8#
89	1.4	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

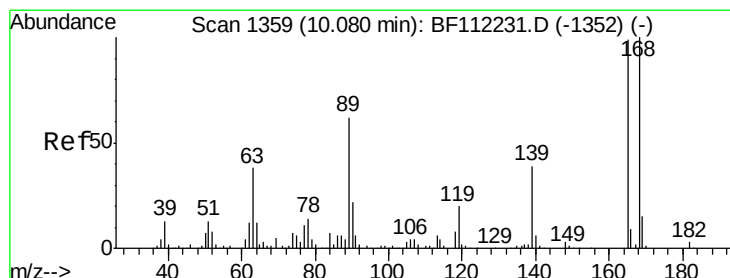
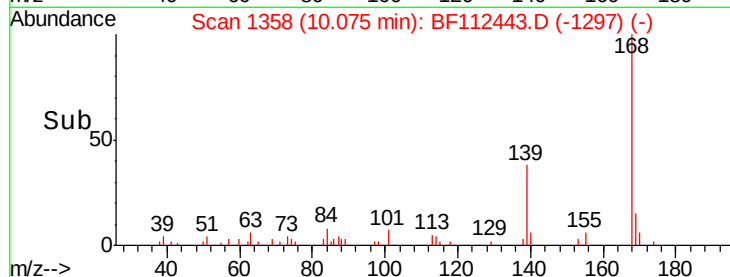
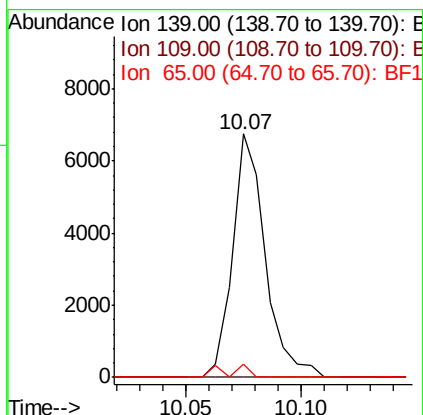
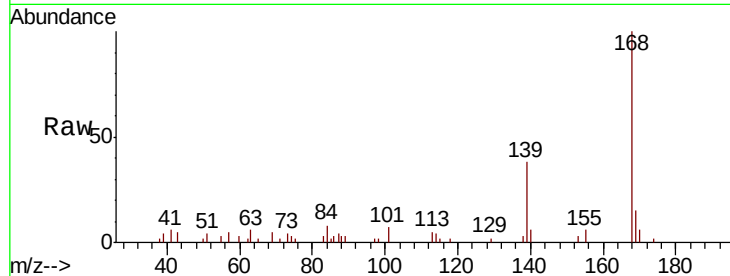




#56
4-Nitrophenol
Concen: 2.646 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.06 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

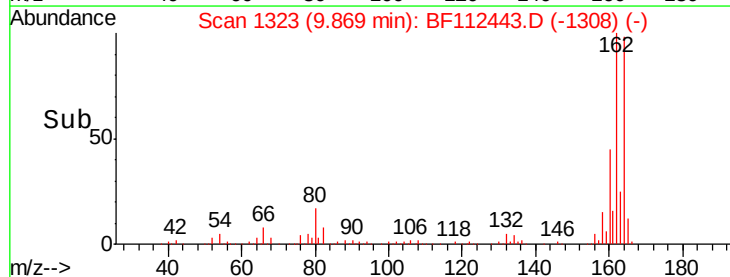
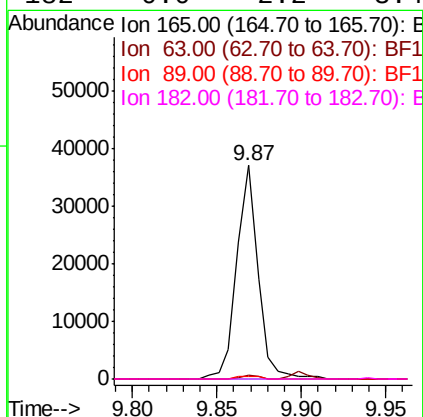
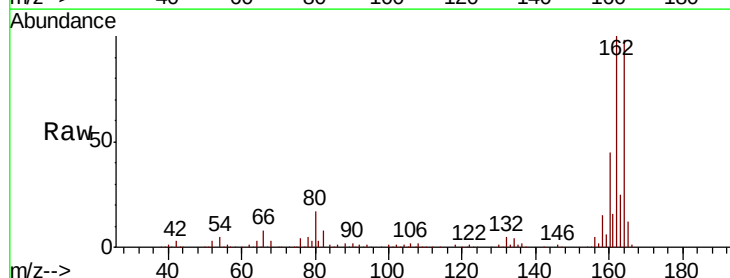
Instrument :
BNA_F
ClientSampleId :
RT-3451

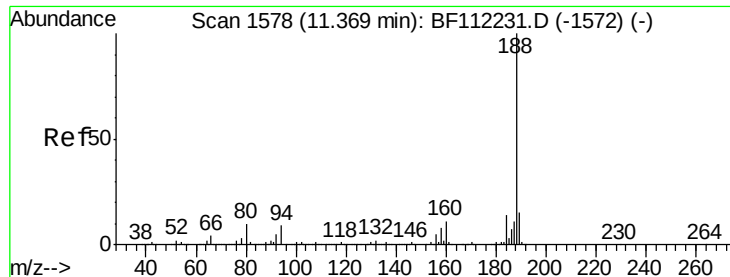
Tot Ion:139 Resp: 6643
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 5.4 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 5.839 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt Ion:165 Resp: 32575
Ion Ratio Lower Upper
165 100
63 1.7 27.9 41.9#
89 1.4 47.9 71.9#
182 0.0 2.2 3.4#

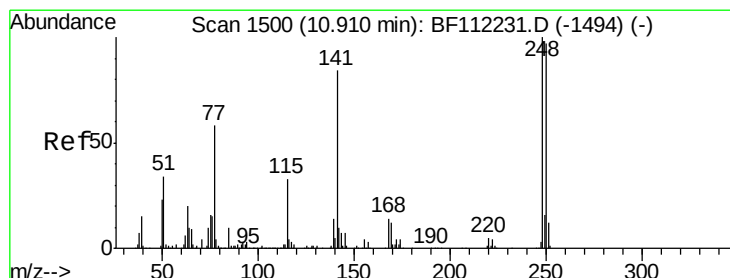
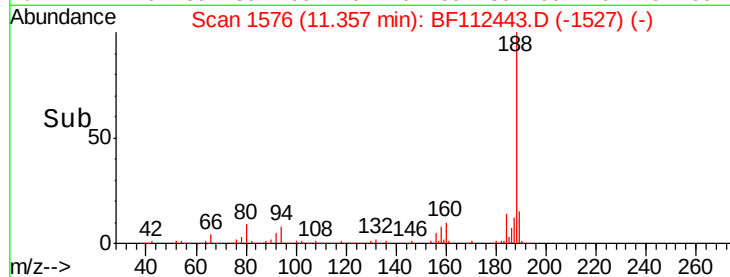
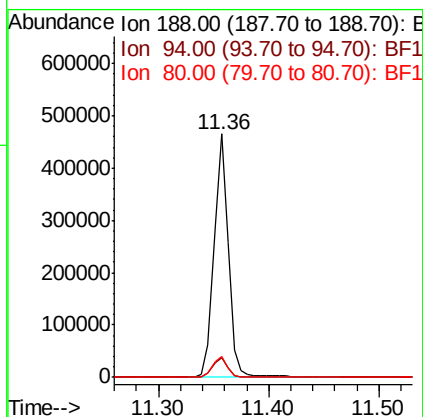
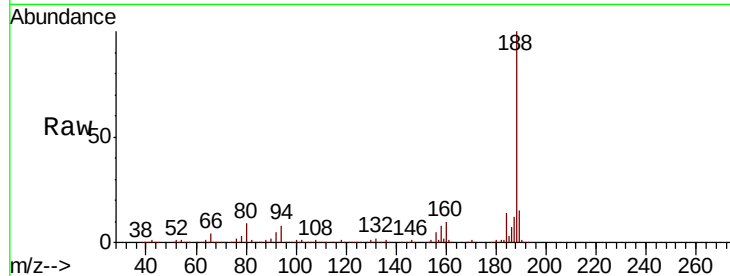




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112443.D
 Acq: 7 Feb 2019 17:33

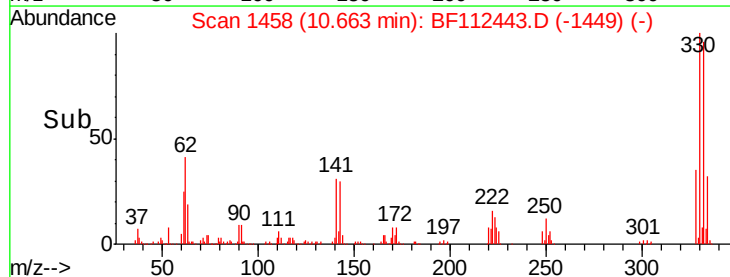
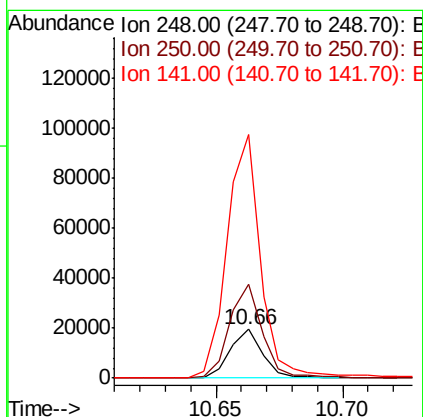
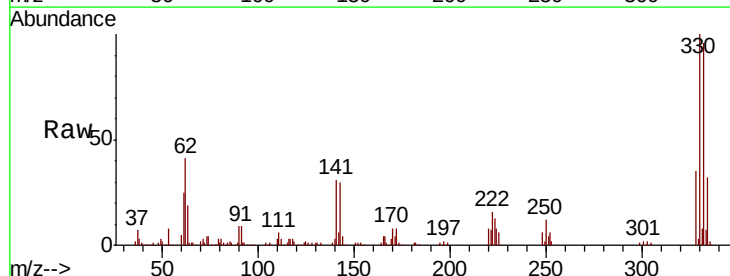
Instrument :
 BNA_F
 ClientSampleId :
 RT-3451

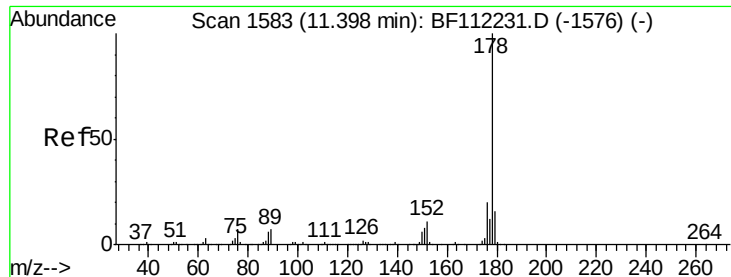
Tot Ion:188 Resp: 414535
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.2 12.2#
 80 8.7 8.9 13.3#



#67
 4-Bromophenyl-phenylether
 Concen: 3.563 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112443.D
 Acq: 7 Feb 2019 17:33

Tgt Ion:248 Resp: 17371
 Ion Ratio Lower Upper
 248 100
 250 193.1 79.7 119.5#
 141 498.0 60.3 90.5#

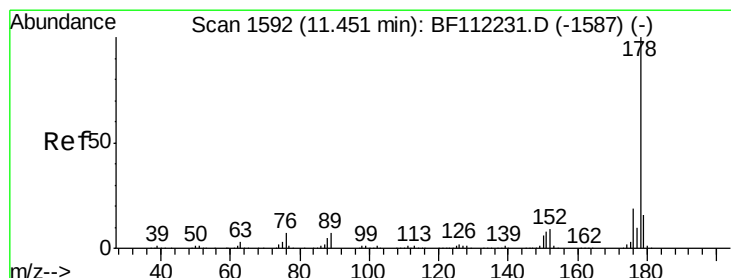
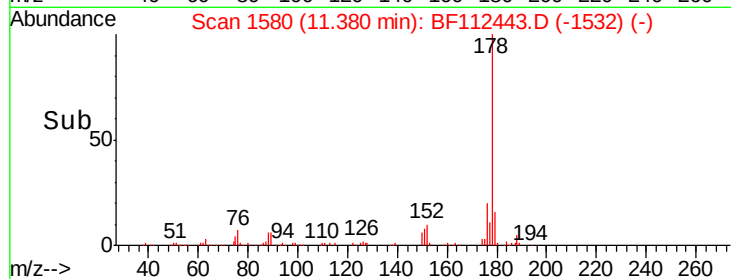
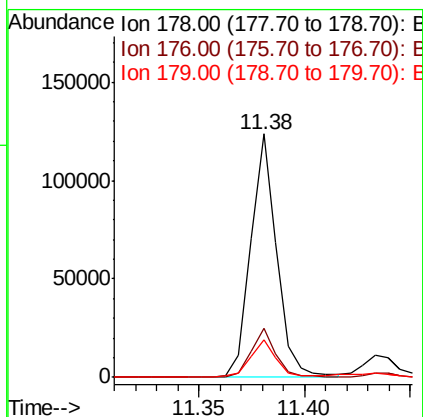
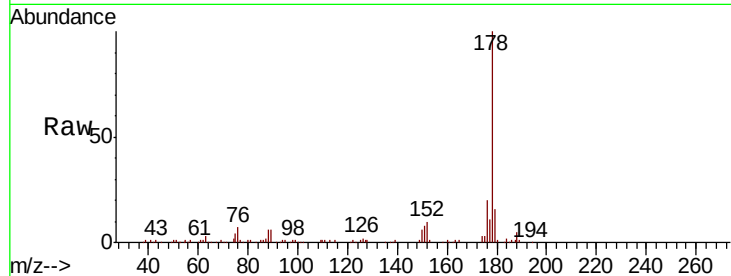




#71
Phenanthrene
Concen: 4.928 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

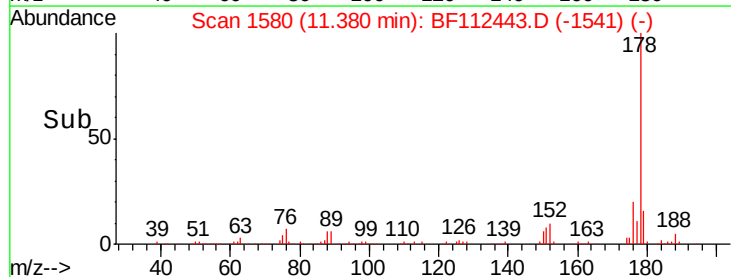
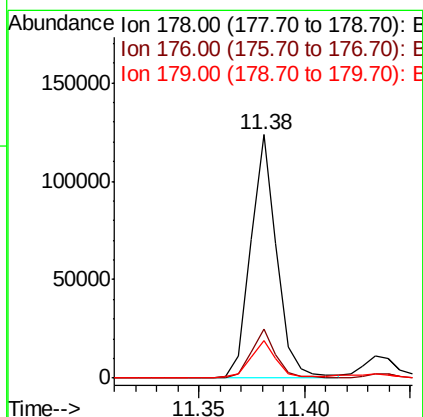
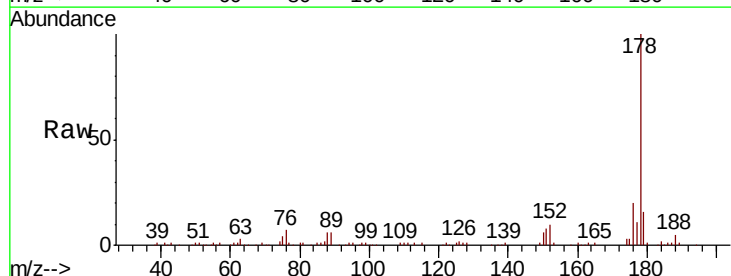
Instrument :
BNA_F
ClientSampleId :
RT-3451

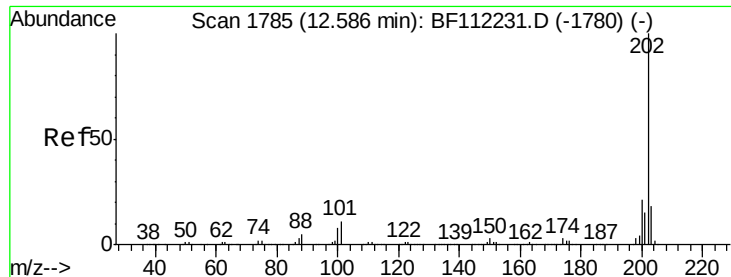
Tot Ion:178 Resp: 106202
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 15.6 13.0 19.4



#72
Anthracene
Concen: 4.947 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.07 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt Ion:178 Resp: 106202
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.6 12.8 19.2





#75

Fluoranthene

Concen: 3.955 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

Instrument :

BNA_F

ClientSampleId :

RT-3451

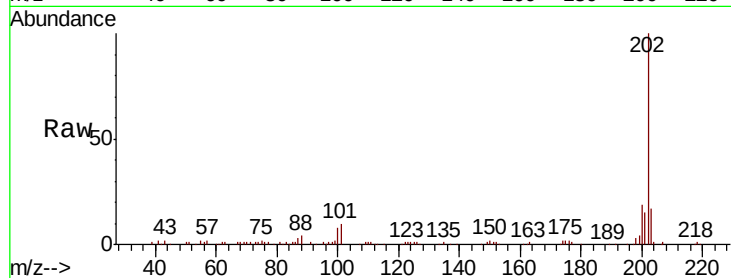
Tot Ion:202 Resp: 91424

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.8

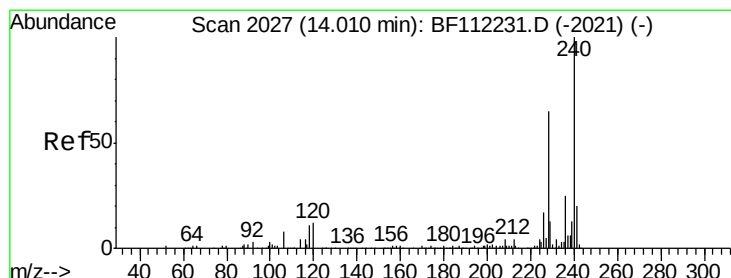
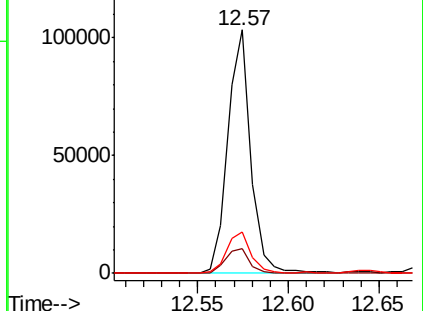
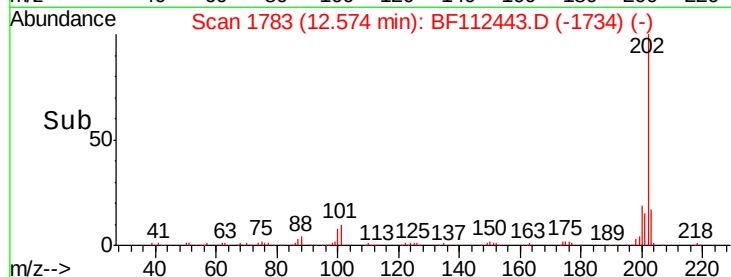
203 17.0 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

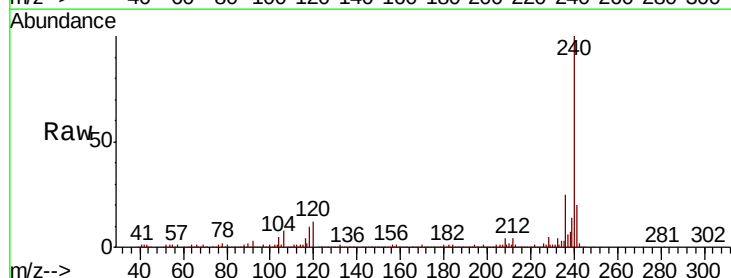
Tgt Ion:240 Resp: 301690

Ion Ratio Lower Upper

240 100

120 12.0 9.0 13.6

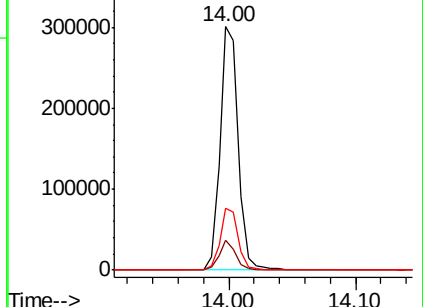
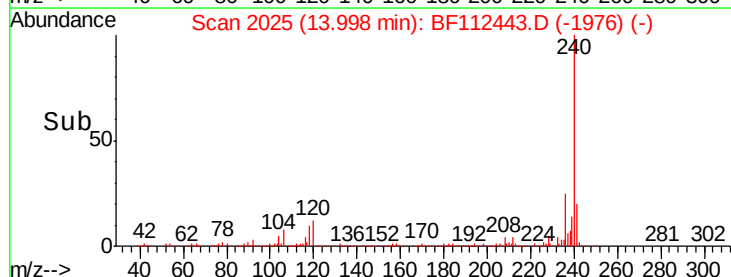
236 25.4 20.7 31.1

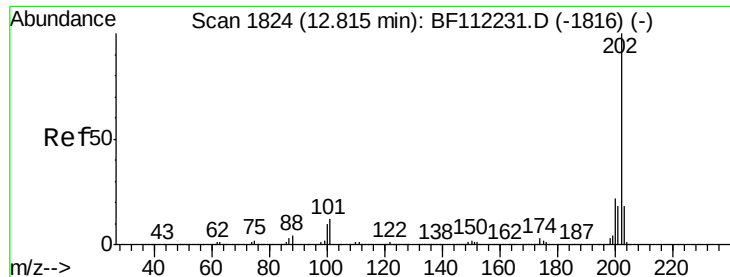


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.226 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

Instrument :

BNA_F

ClientSampleId :

RT-3451

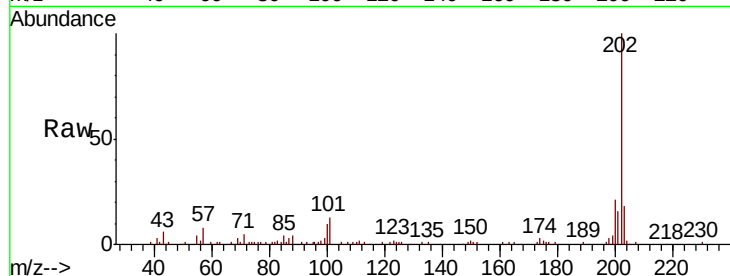
Tot Ion:202 Resp: 67378

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

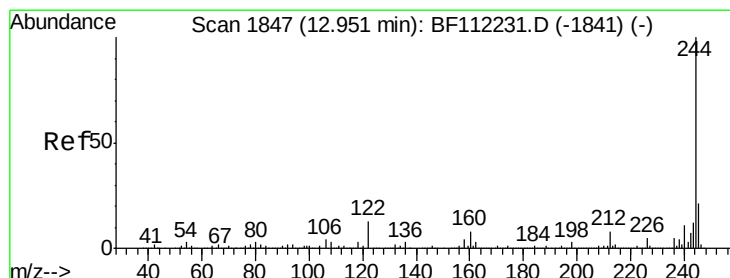
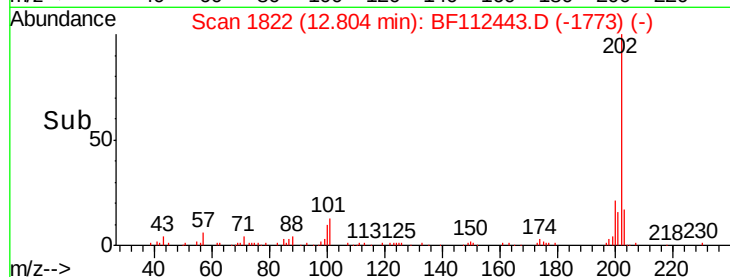
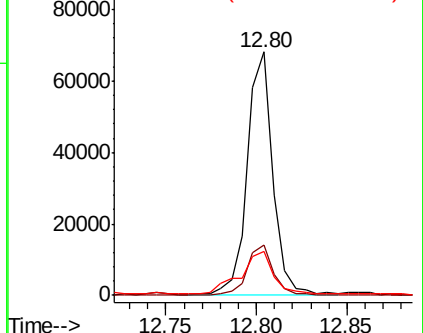
203 17.9 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 54.037 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112443.D

Acq: 7 Feb 2019 17:33

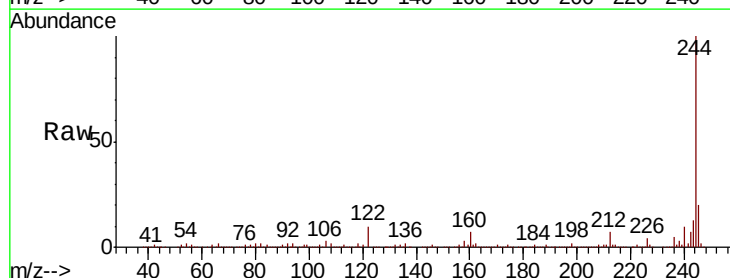
Tgt Ion:244 Resp: 865564

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

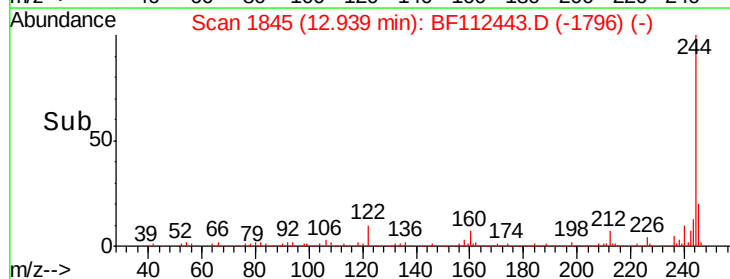
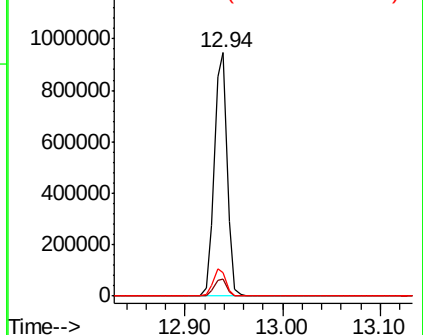
122 9.9 9.8 14.6

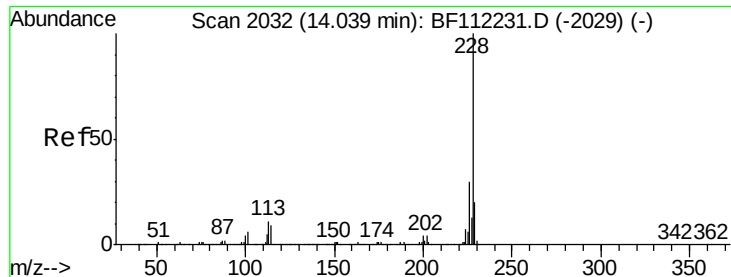


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

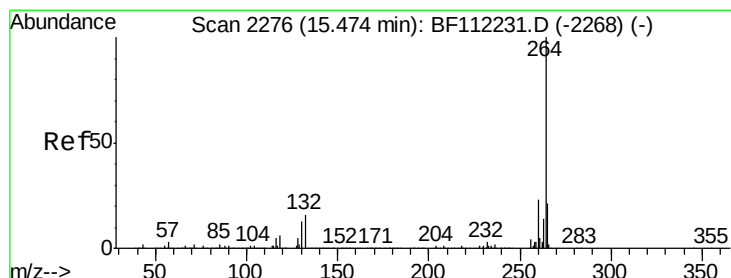
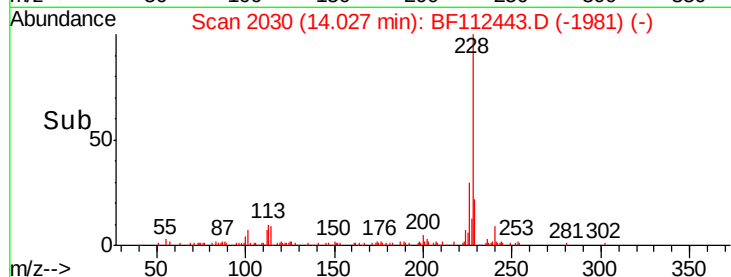
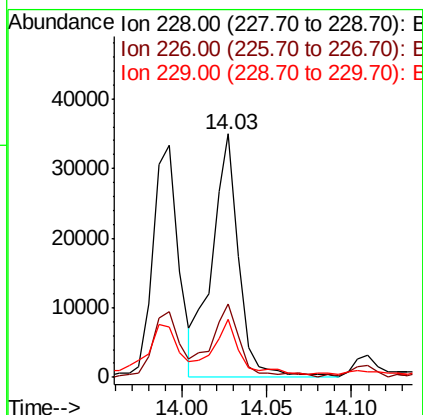
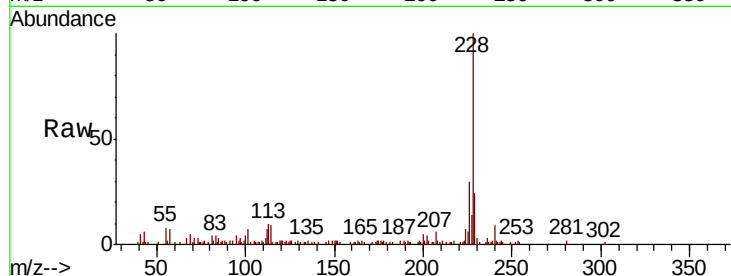




#83
Chrysene
Concen: 2.310 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

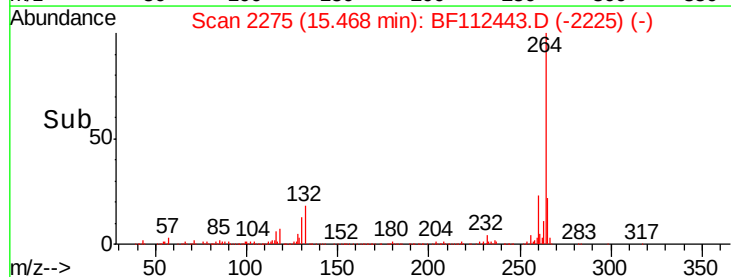
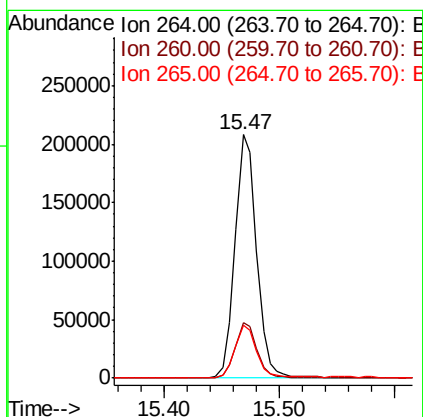
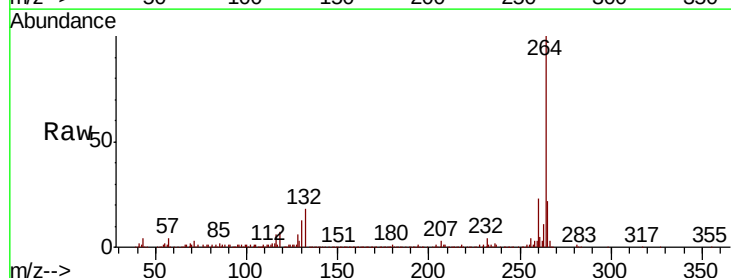
Instrument :
BNA_F
ClientSampleId :
RT-3451

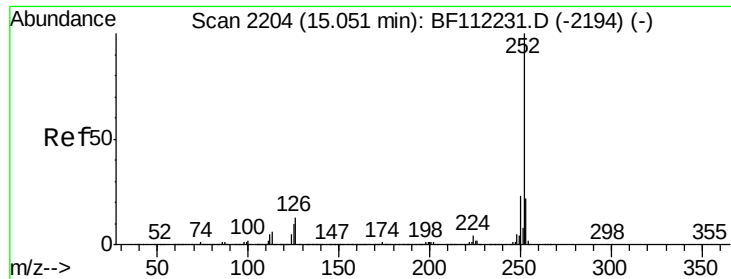
Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	30.4	25.0	37.6	
229	23.9	16.6	24.8	



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.0	18.2	27.2	
265	21.7	17.0	25.4	

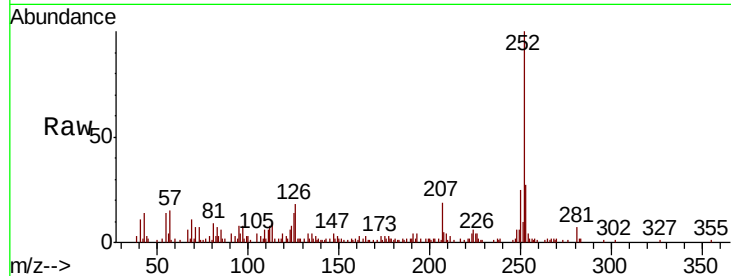




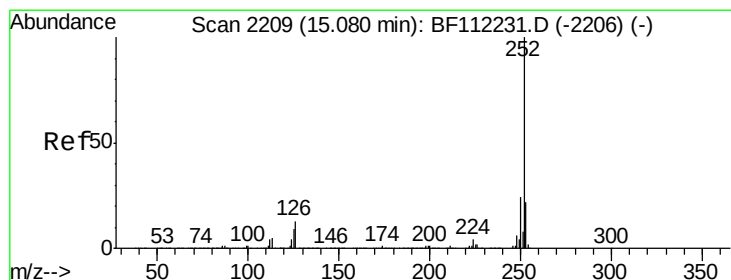
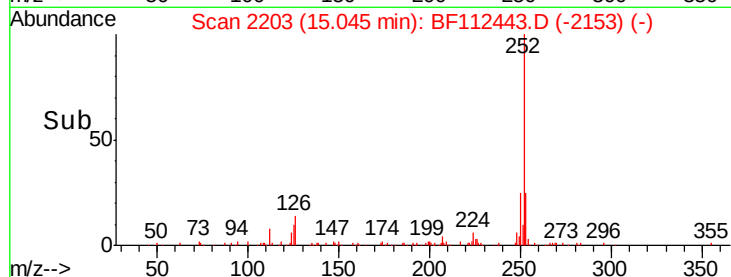
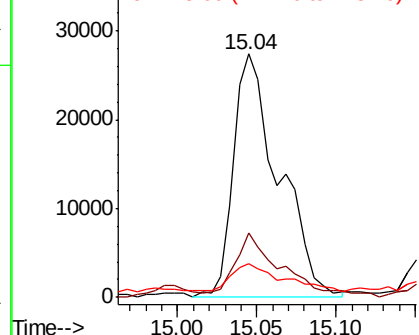
#88
Benzo(b)fluoranthene
Concen: 3.372 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Instrument :
BNA_F
ClientSampled :
RT-3451

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.0	27.0
125	13.8	8.7	13.1#

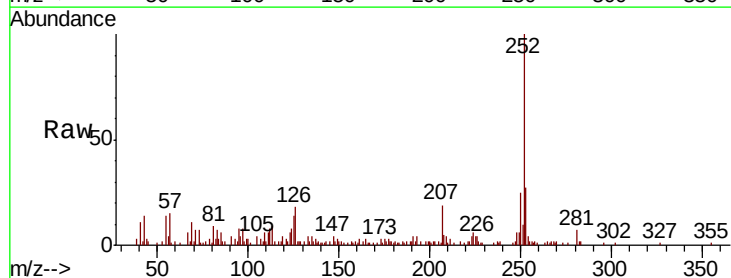


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.520 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112443.D
Acq: 7 Feb 2019 17:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.0	27.0
125	13.8	9.1	13.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

