

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112584.D
 Acq On : 15 Feb 2019 17:47
 Operator : JU/SJ
 Sample : K1502-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

Quant Time: Feb 15 23:44:15 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

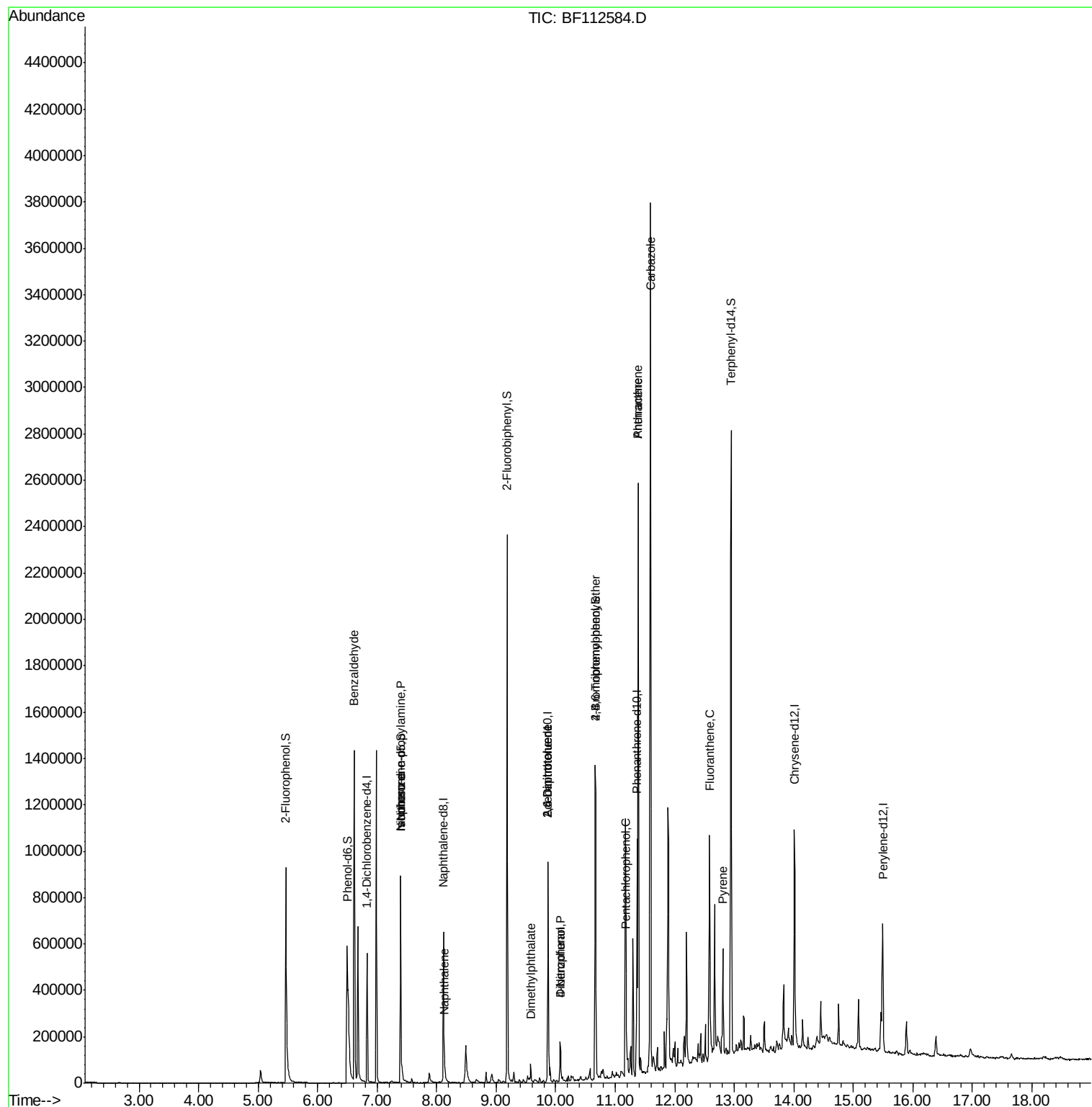
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	82776	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	343732	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	179050	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	367468	20.00	ng	0.00
76) Chrysene-d12	14.01	240	312155	20.00	ng	0.00
87) Perylene-d12	15.49	264	274339	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	361200	92.69	ng	-0.01
7) Phenol-d6	6.49	99	483275	89.24	ng	0.00
23) Nitrobenzene-d5	7.39	82	300389	50.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	173699	83.35	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	680793	53.78	ng	-0.02
79) Terphenyl-d14	12.95	244	859770	51.88	ng	0.00
Target Compounds						
9) Benzaldehyde	6.61	77	9741	3.442	ng	# 77
19) n-Nitroso-di-n-propylamine	7.39	70	41102	11.008	ng	# 78
25) Isophorone	7.39	82	300385	32.097	ng	# 63
31) Naphthalene	8.13	128	33533	2.086	ng	97
50) Dimethylphthalate	9.58	163	28069	2.018	ng	98
51) 2,6-Dinitrotoluene	9.87	165	24673	7.919	ng	# 34
55) Dibenzofuran	10.07	168	59096	3.639	ng	95
56) 4-Nitrophenol	10.07	139	24651	13.814	ng	# 14
57) 2,4-Dinitrotoluene	9.87	165	24673	6.221	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	10744	2.486	ng	# 1
70) Pentachlorophenol	11.19	266	21303	11.807	ng	99
71) Phenanthrene	11.39	178	958084	50.151	ng	98
72) Anthracene	11.39	178	958084	50.346	ng	99
73) Carbazole	11.60	167	39010	2.078	ng	97
75) Fluoranthene	12.58	202	286689	13.991	ng	97
78) Pyrene	12.81	202	133017	6.155	ng	98

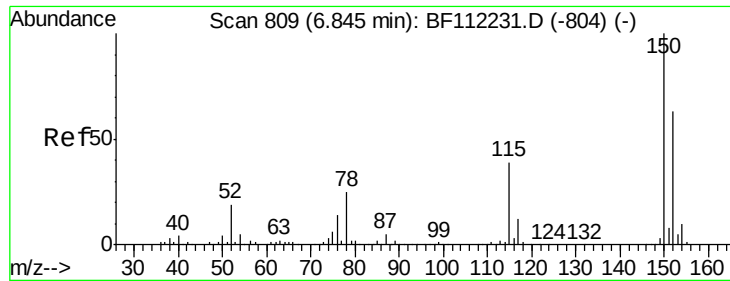
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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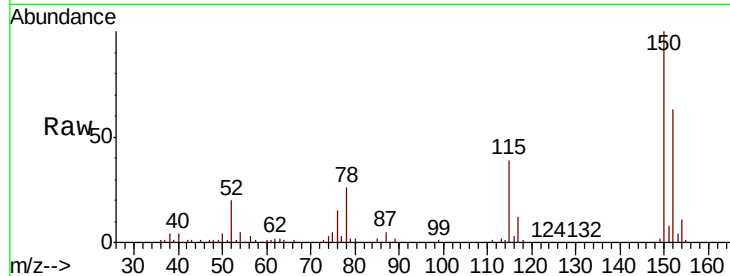


#1

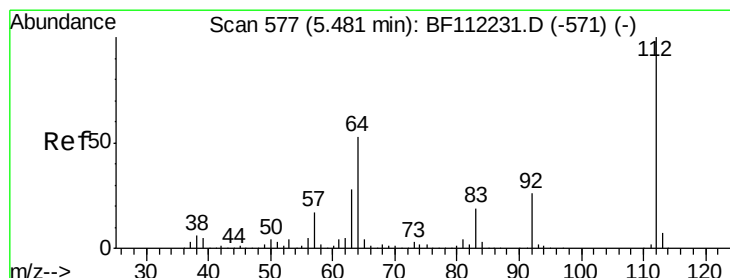
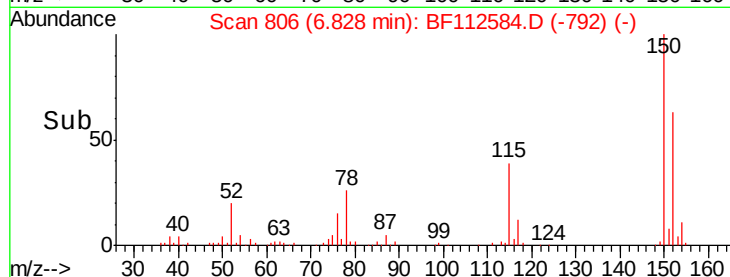
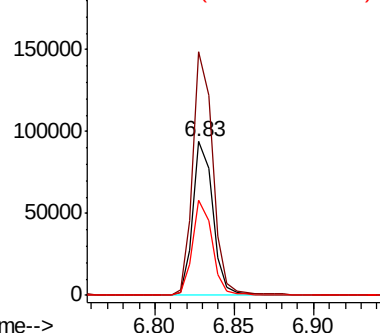
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Instrument :
BNA_F
ClientSampleId :
RHR-1

Tgt Ion:152 Resp: 82776
Ion Ratio Lower Upper
152 100
150 158.7 127.4 191.0
115 62.1 45.5 68.3



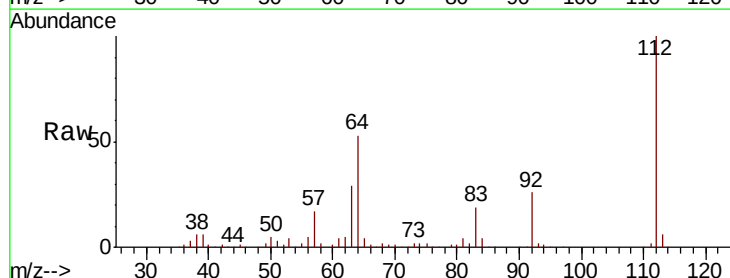
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



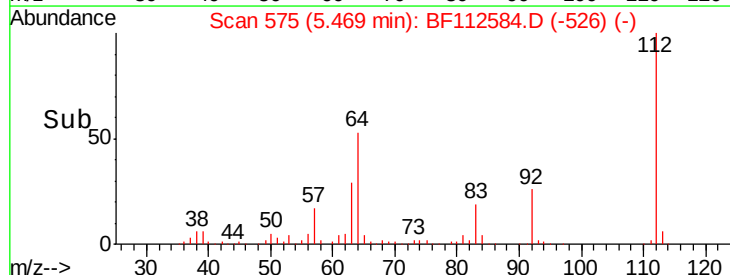
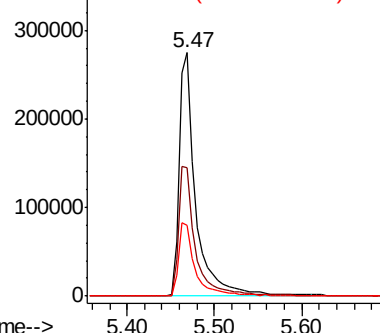
#5

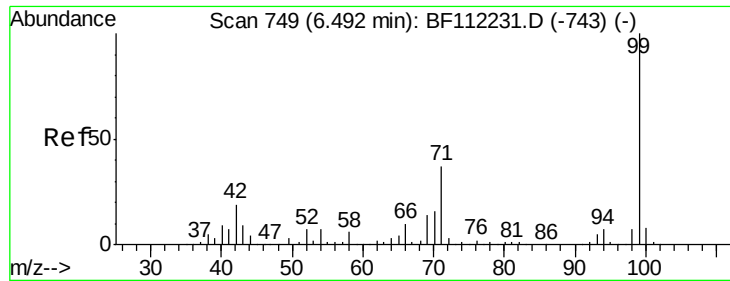
2-Fluorophenol
Concen: 92.685 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion:112 Resp: 361200
Ion Ratio Lower Upper
112 100
64 52.8 45.7 68.5
63 29.0 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: 89.245 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112584.D

Acq: 15 Feb 2019 17:47

Instrument :

BNA_F

ClientSampled :

RHR-1

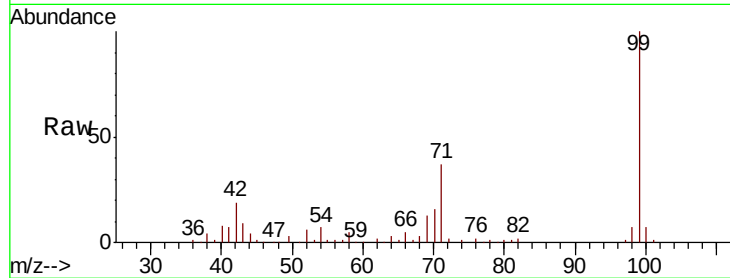
Tgt Ion: 99 Resp: 483275

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

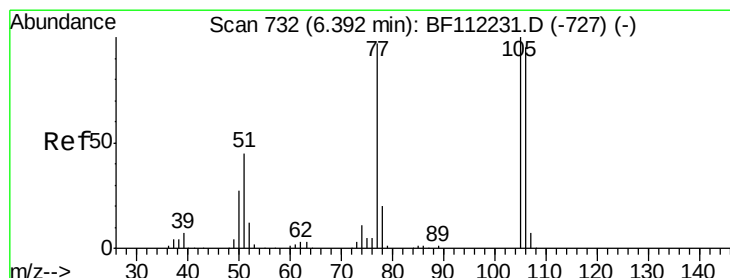
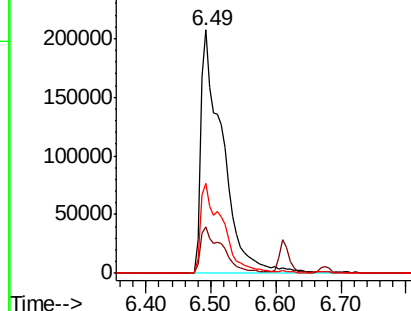
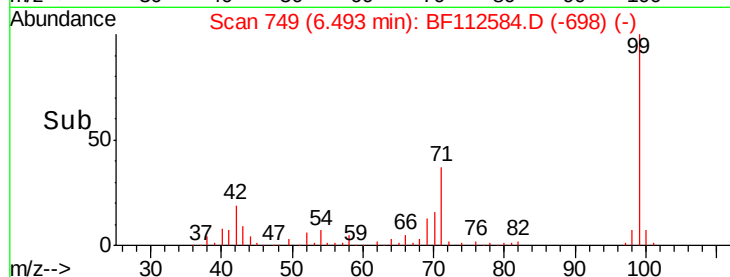
71 36.9 26.9 40.3



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: 3.442 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112584.D

Acq: 15 Feb 2019 17:47

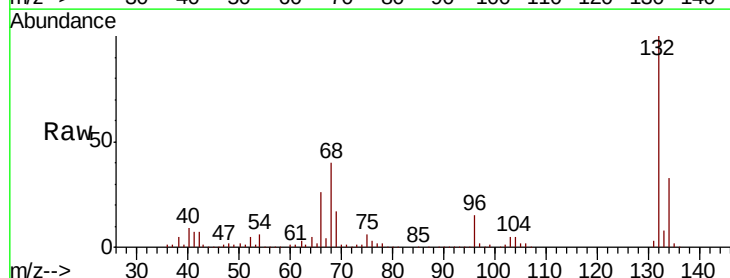
Tgt Ion: 77 Resp: 9741

Ion Ratio Lower Upper

77 100

105 76.5 80.8 120.8#

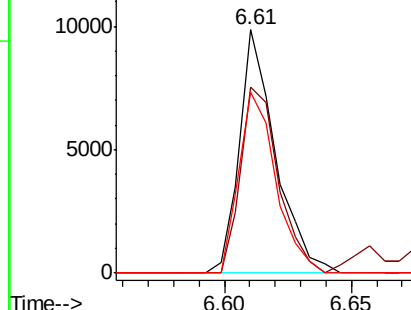
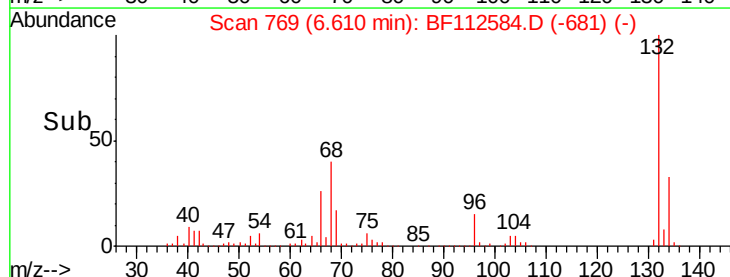
106 74.1 75.7 115.7#

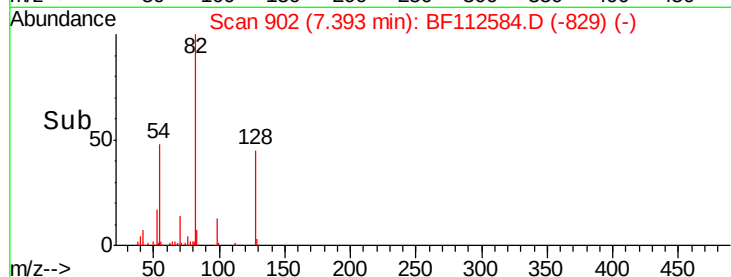
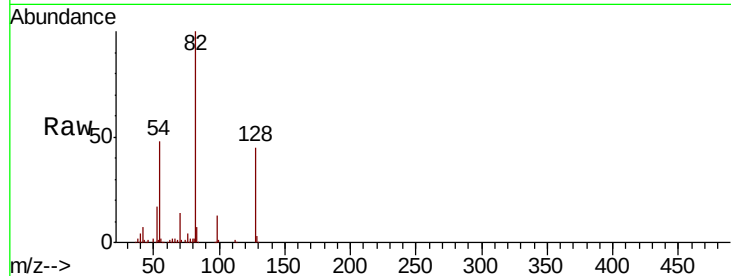
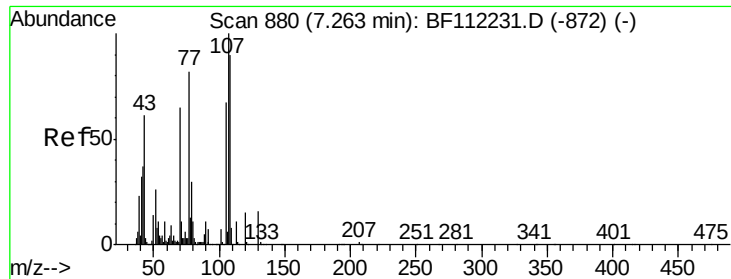


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

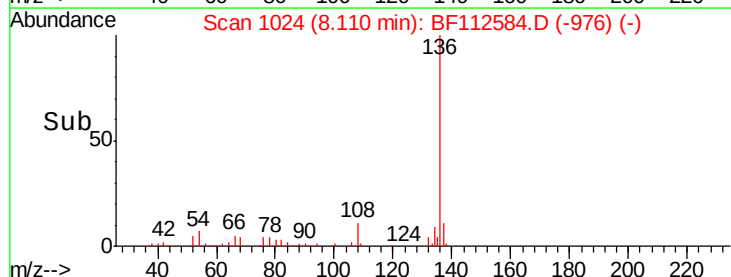
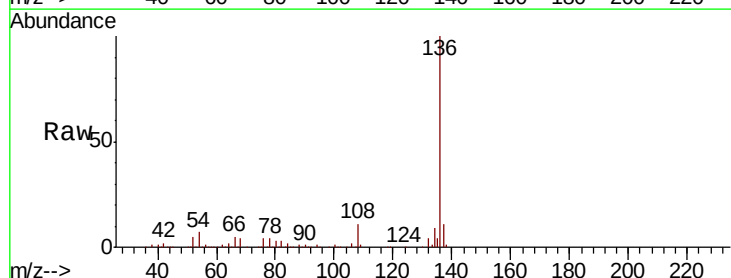
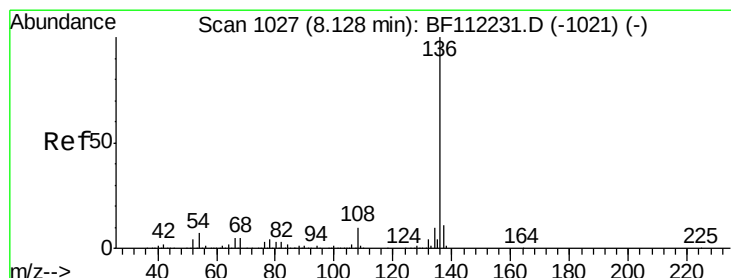
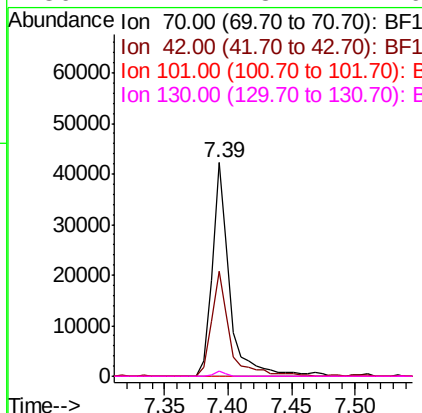




#19
n-Nitroso-di-n-propylamine
Concen: 11.008 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

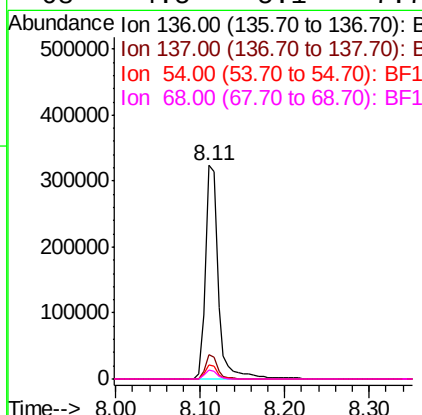
Instrument :
BNA_F
ClientSampleId :
RHR-1

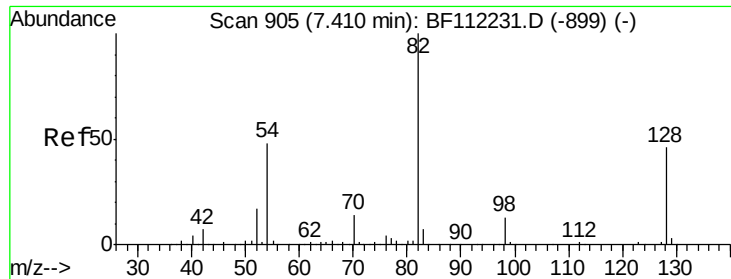
Tgt Ion: 70 Resp: 41102
Ion Ratio Lower Upper
70 100
42 48.9 47.6 71.4
101 0.0 7.9 11.9#
130 2.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion: 136 Resp: 343732
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 6.8 5.9 8.9
68 4.5 5.1 7.7#

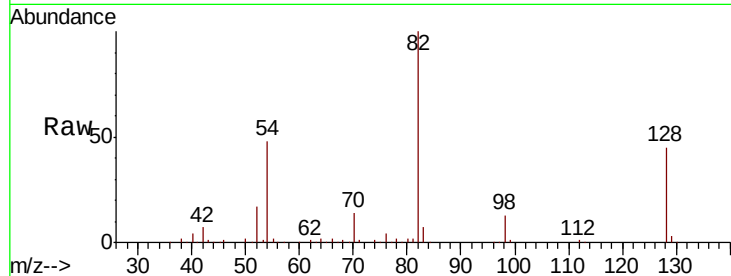




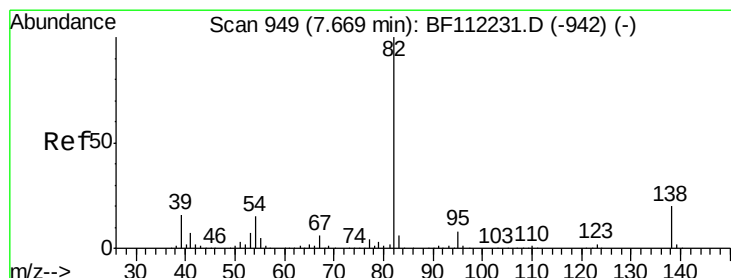
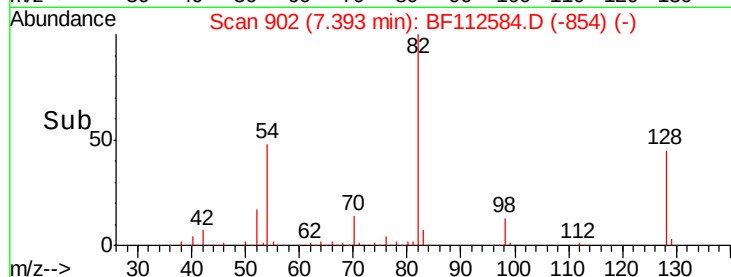
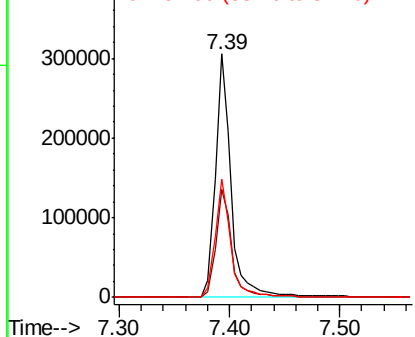
#23
 Nitrobenzene-d5
 Concen: 50.354 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Instrument :
 BNA_F
 ClientSampled :
 RHR-1

Tgt Ion: 82 Resp: 300389
 Ion Ratio Lower Upper
 82 100
 128 44.6 37.8 56.8
 54 48.5 39.7 59.5

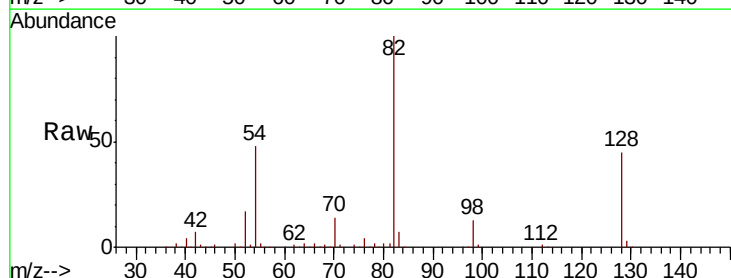


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

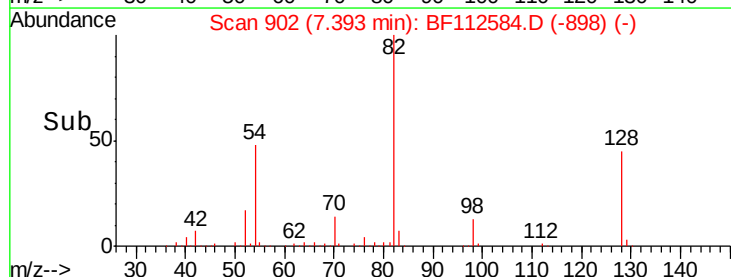
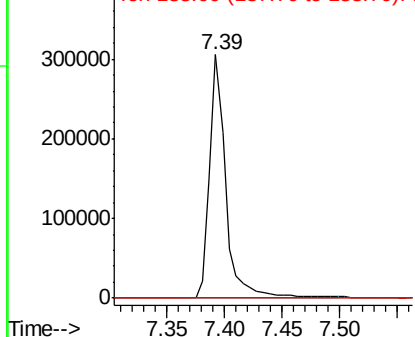


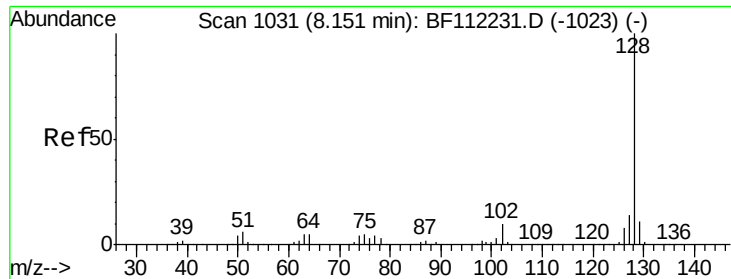
#25
 Isophorone
 Concen: 32.097 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.28 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Tgt Ion: 82 Resp: 300385
 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

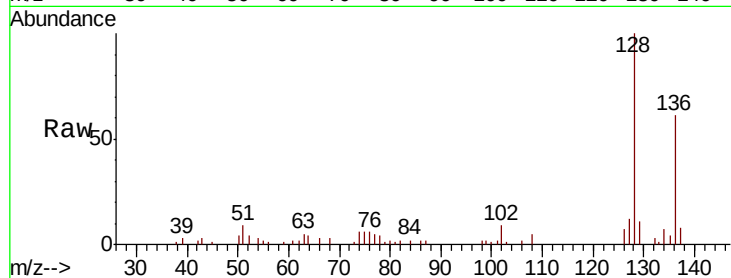




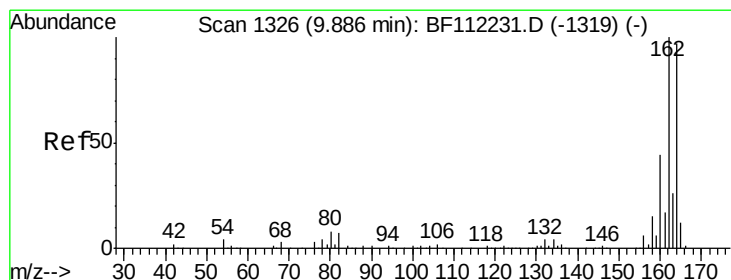
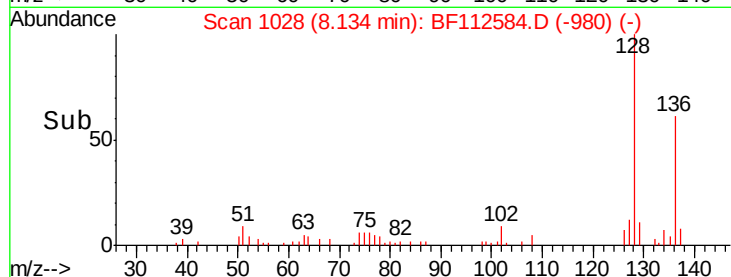
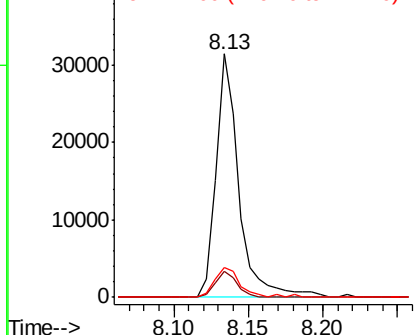
#31
Naphthalene
Concen: 2.086 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Instrument :
BNA_F
ClientSampleId :
RHR-1

Tgt Ion:128 Resp: 33533
Ion Ratio Lower Upper
128 100
129 10.9 9.6 14.4
127 12.5 11.1 16.7

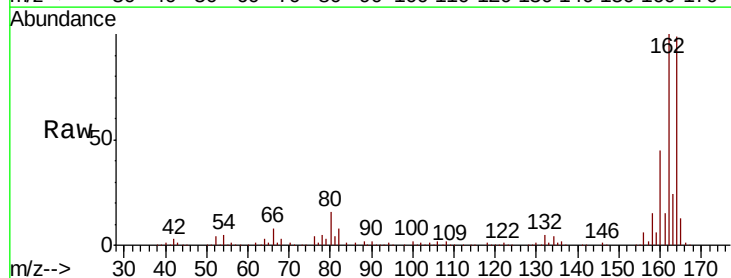


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

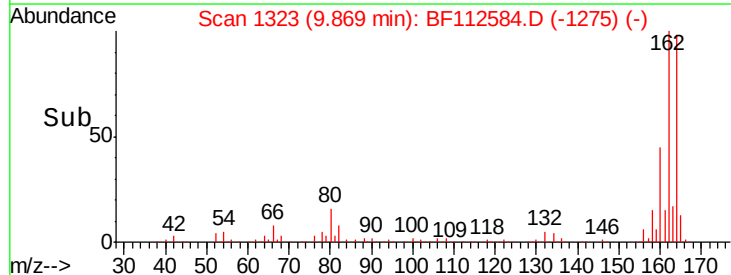
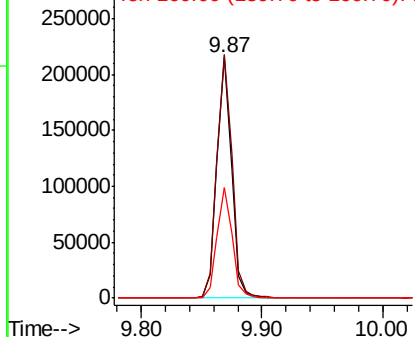


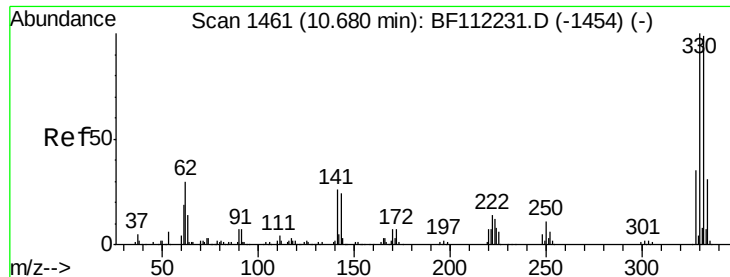
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion:164 Resp: 179050
Ion Ratio Lower Upper
164 100
162 101.2 82.2 123.4
160 45.9 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: 83.345 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112584.D

Acq: 15 Feb 2019 17:47

Instrument :

BNA_F

ClientSampleId :

RHR-1

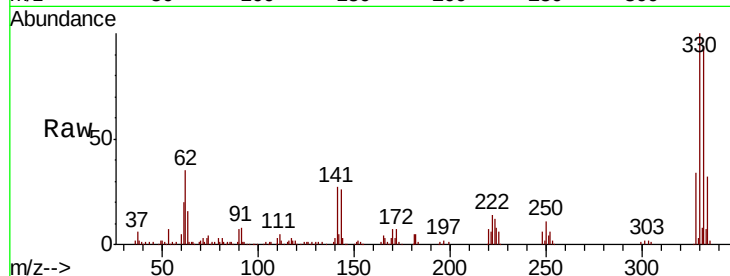
Tgt Ion:330 Resp: 173699

Ion Ratio Lower Upper

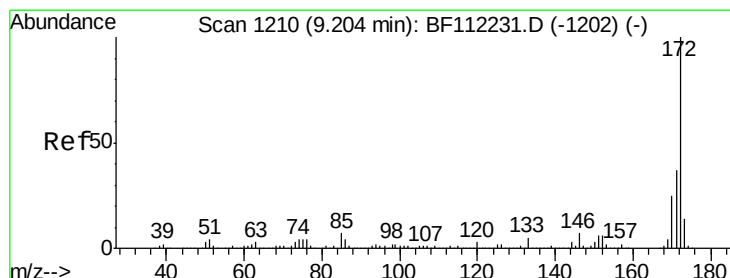
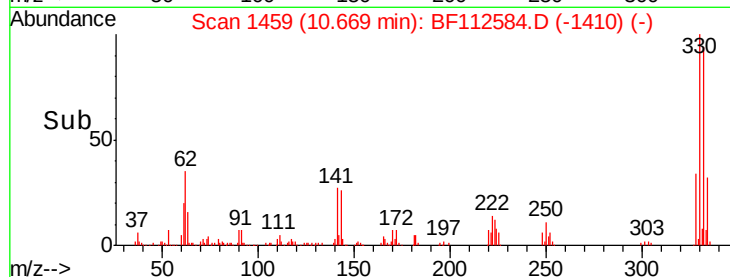
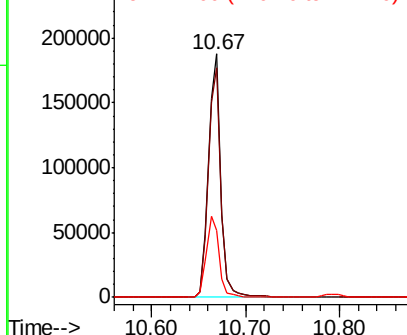
330 100

332 96.0 76.6 114.8

141 34.9 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: 53.777 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112584.D

Acq: 15 Feb 2019 17:47

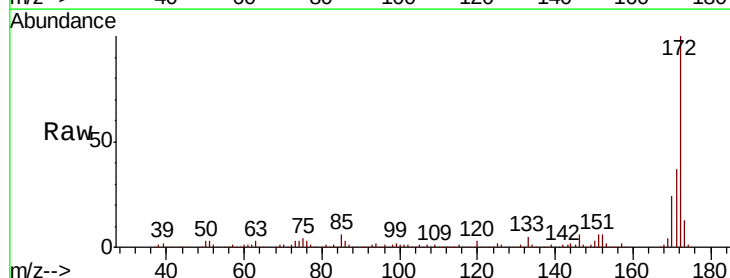
Tgt Ion:172 Resp: 680793

Ion Ratio Lower Upper

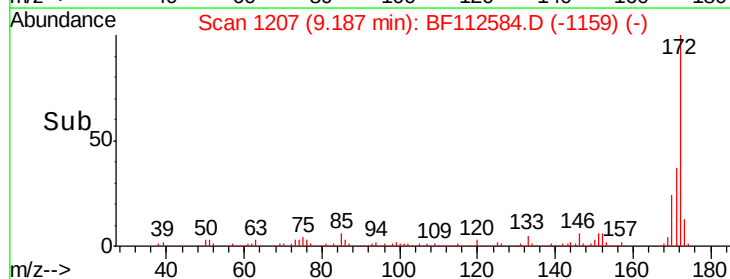
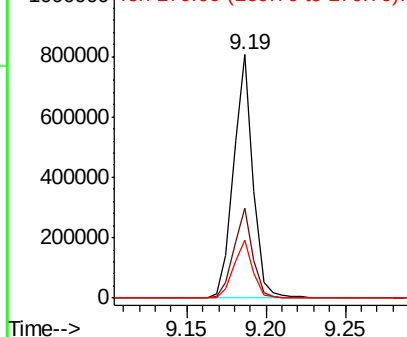
172 100

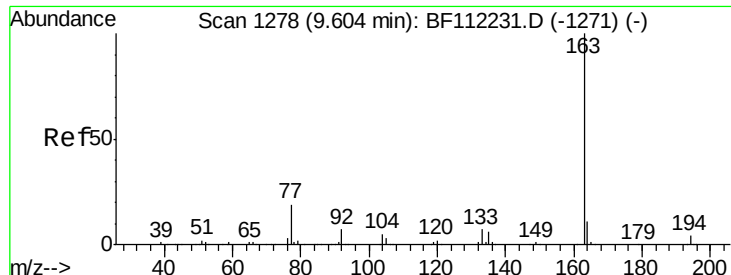
171 36.8 30.5 45.7

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

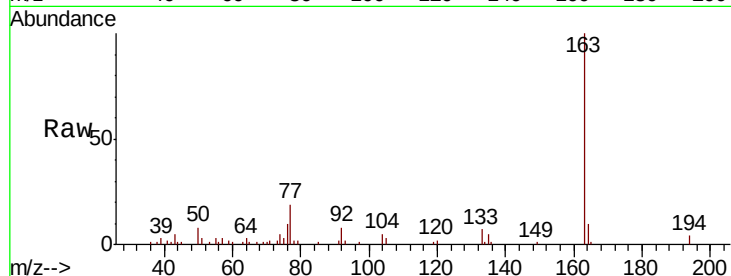




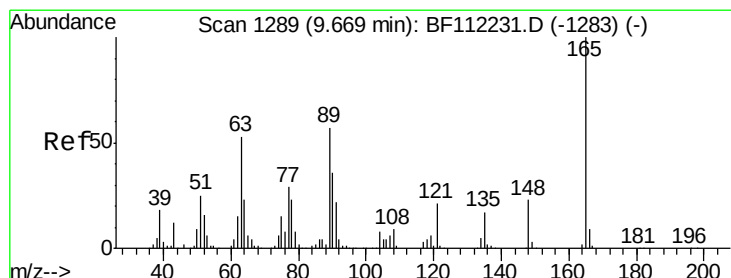
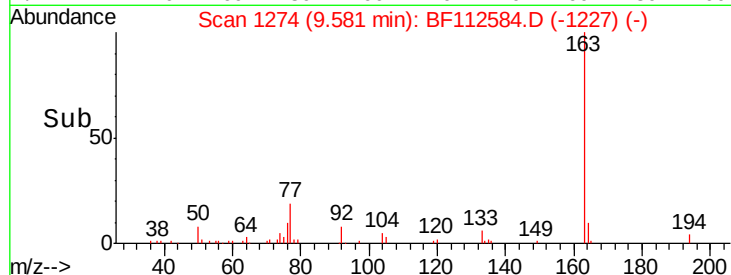
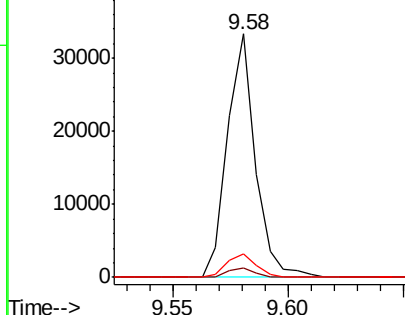
#50
Dimethylphthalate
Concen: 2.018 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Instrument :
BNA_F
ClientSampleId :
RHR-1

Tgt Ion:163 Resp: 28069
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.7 8.5 12.7

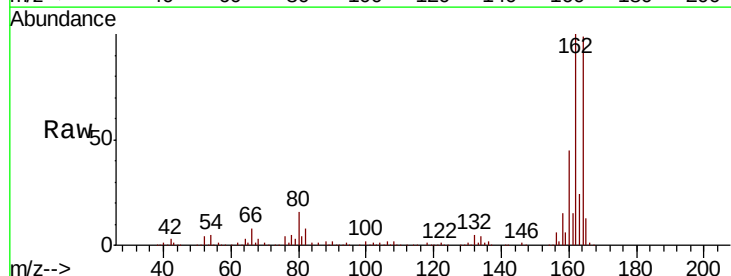


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

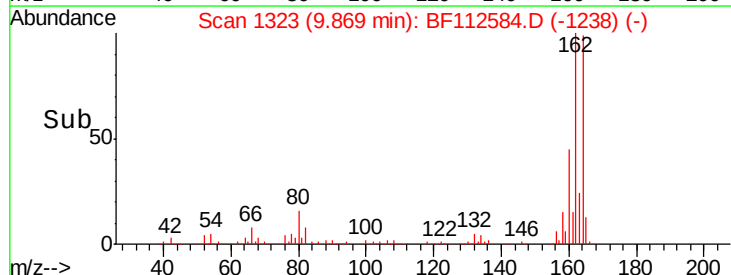
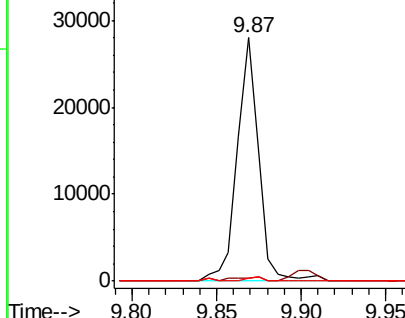


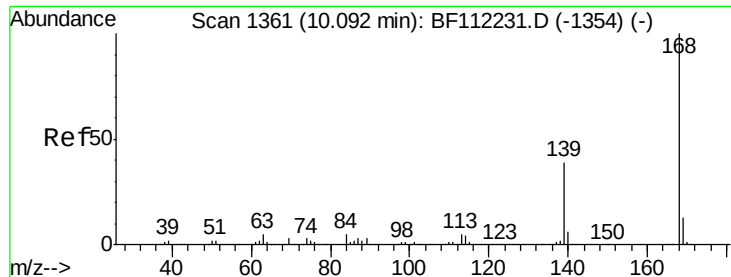
#51
2,6-Dinitrotoluene
Concen: 7.919 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion:165 Resp: 24673
Ion Ratio Lower Upper
165 100
63 1.2 33.8 50.8#
89 1.3 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

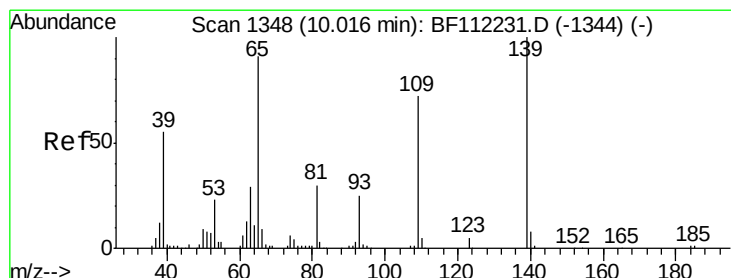
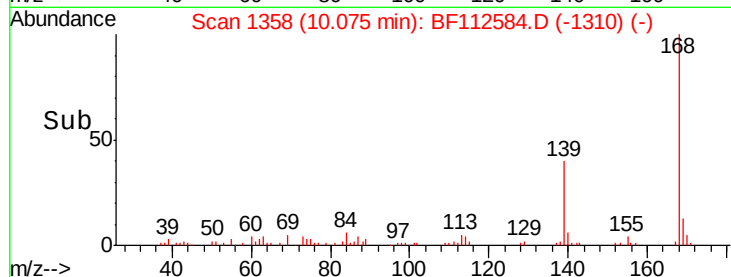
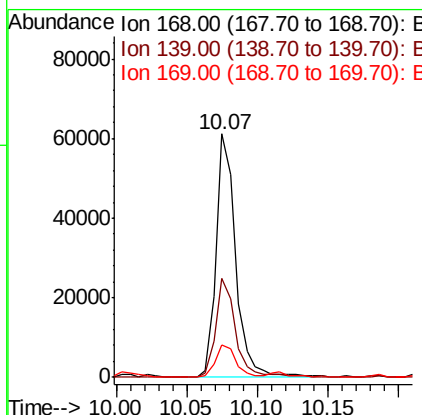
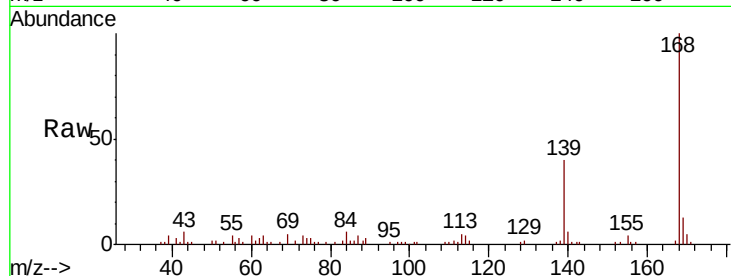




#55
Dibenzenofuran
Concen: 3.639 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

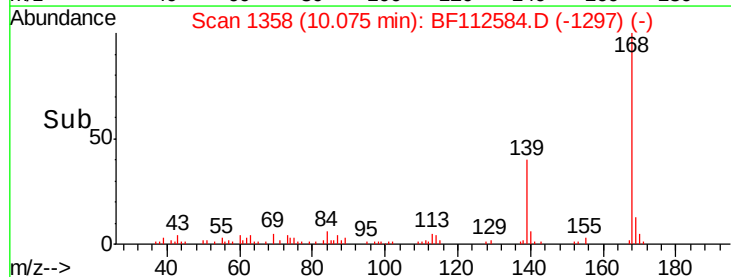
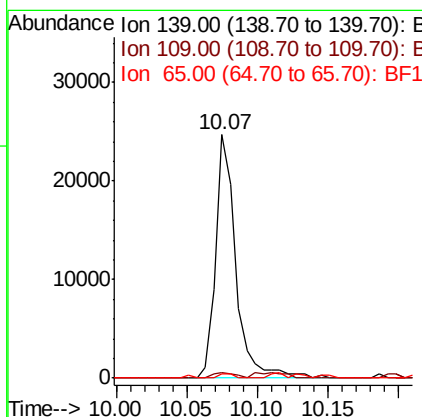
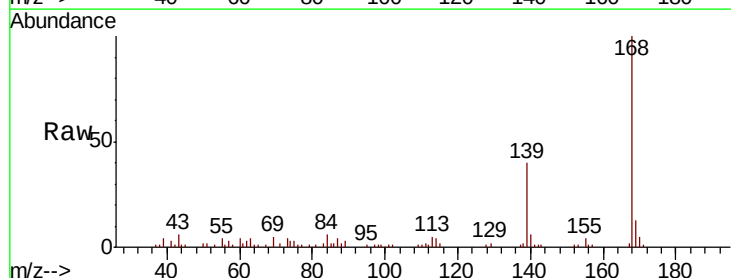
Instrument :
BNA_F
ClientSampleId :
RHR-1

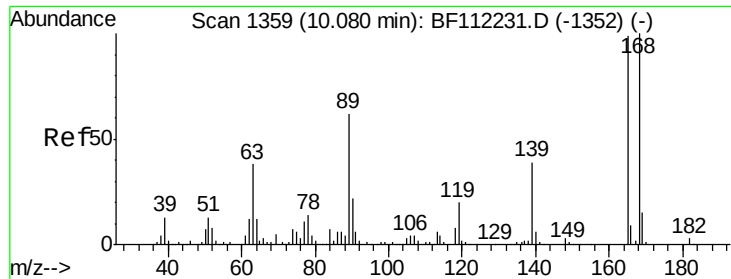
Tgt Ion:168 Resp: 59096
Ion Ratio Lower Upper
168 100
139 40.4 29.2 43.8
169 13.2 11.4 17.0



#56
4-Nitrophenol
Concen: 13.814 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.06 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion:139 Resp: 24651
Ion Ratio Lower Upper
139 100
109 2.1 42.8 82.8#
65 1.9 66.1 106.1#

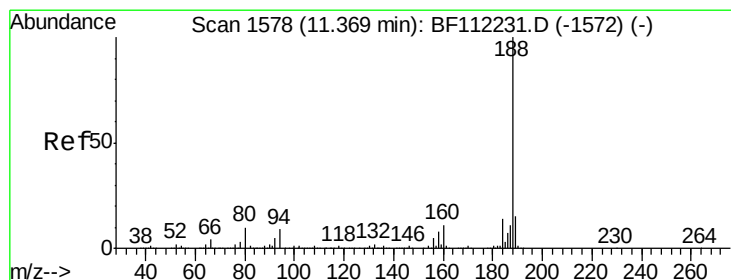
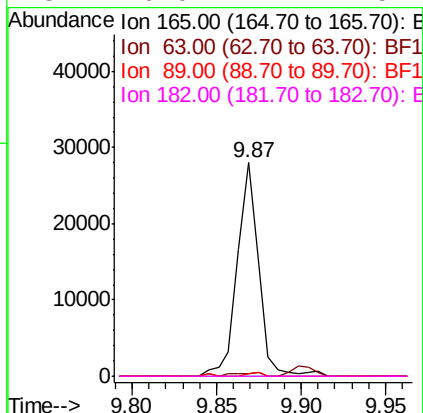
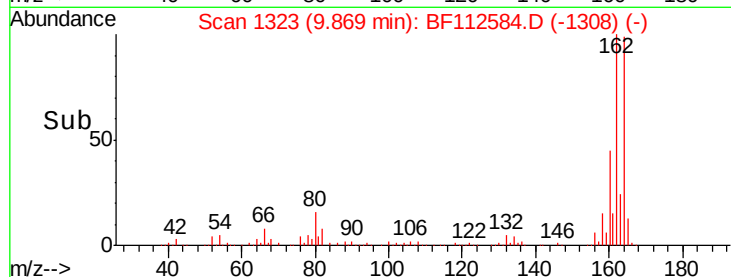
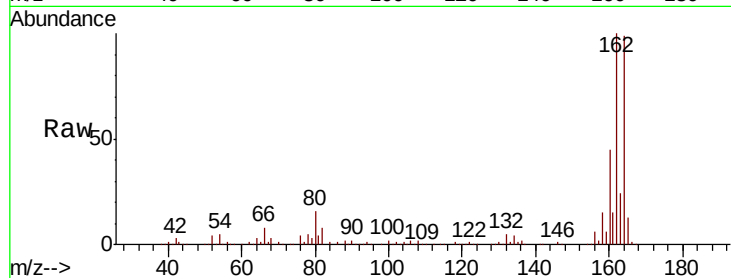




#57
2,4-Dinitrotoluene
Concen: 6.221 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

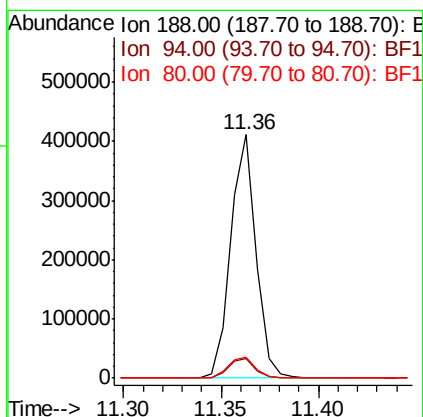
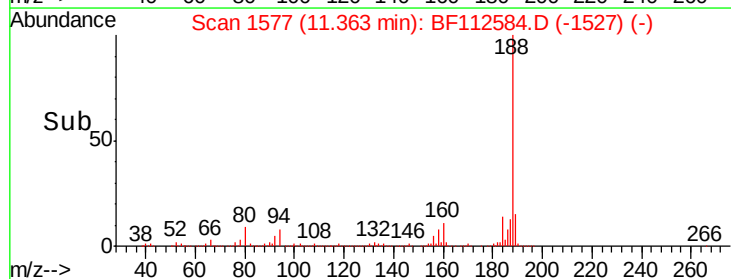
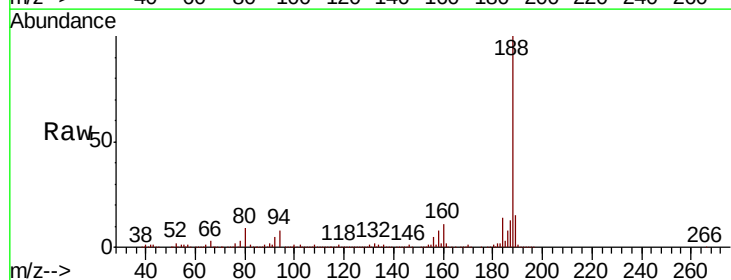
Instrument :
BNA_F
ClientSampleId :
RHR-1

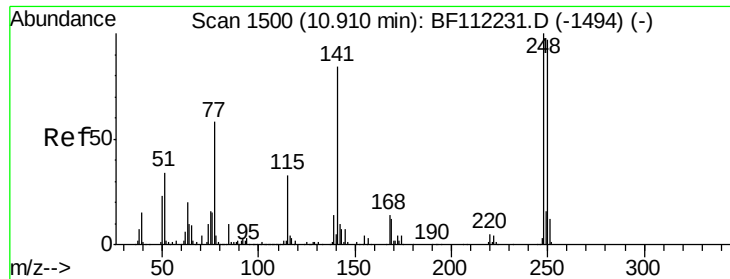
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.3	47.9	71.9#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.2	12.2#
80	8.6	8.9	13.3#

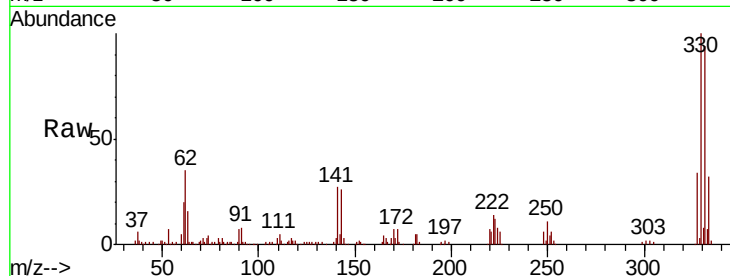




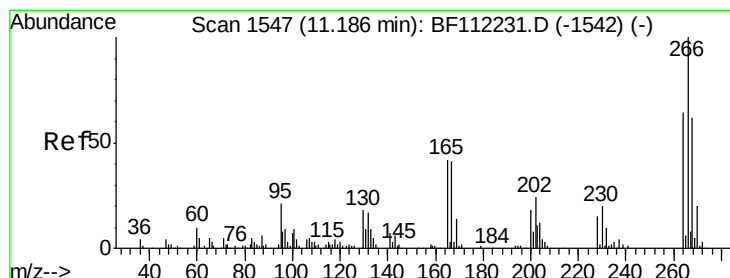
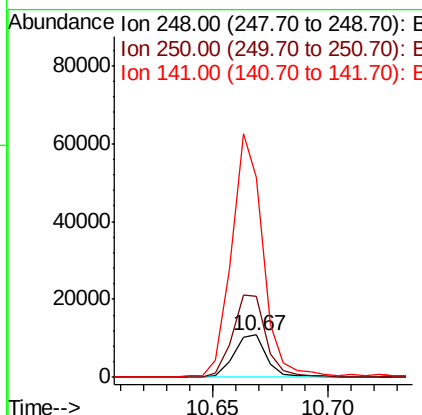
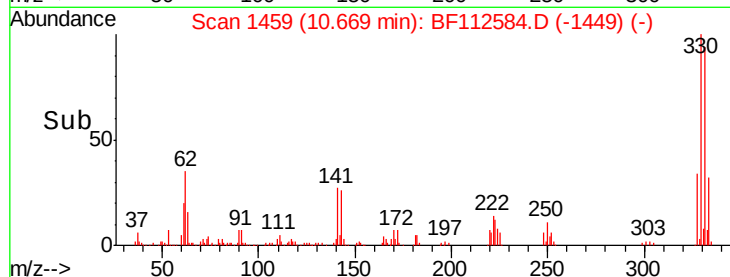
#67
 4-Bromophenyl-phenylether
 Concen: 2.486 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.9	79.7	119.5#
141	473.7	60.3	90.5#

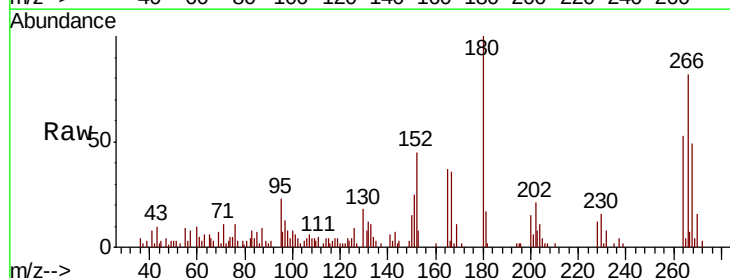


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

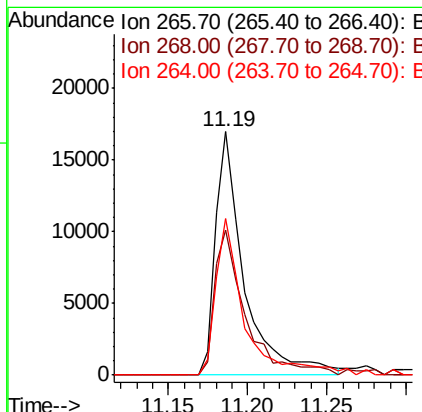
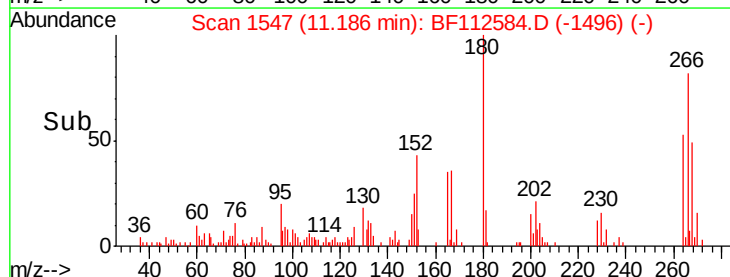


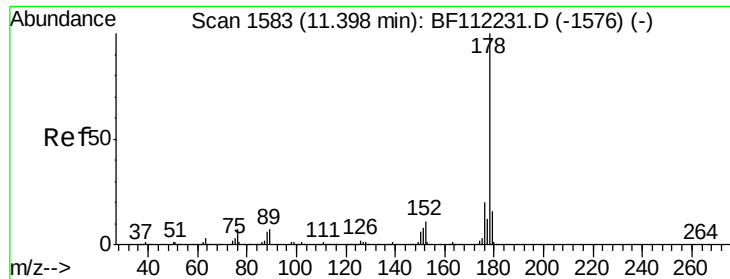
#70
 Pentachlorophenol
 Concen: 11.807 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.2	76.8
264	64.6	50.9	76.3



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 50.151 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112584.D

Acq: 15 Feb 2019 17:47

Instrument :

BNA_F

ClientSampleId :

RHR-1

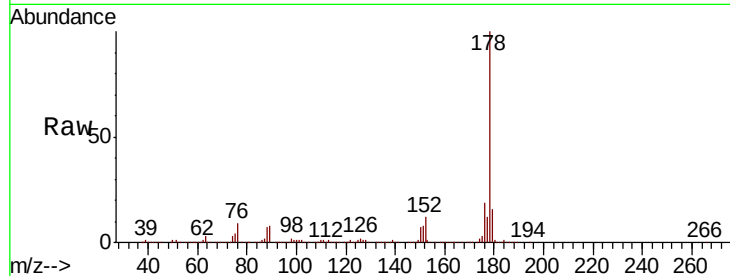
Tgt Ion:178 Resp: 958084

Ion Ratio Lower Upper

178 100

176 19.3 16.3 24.5

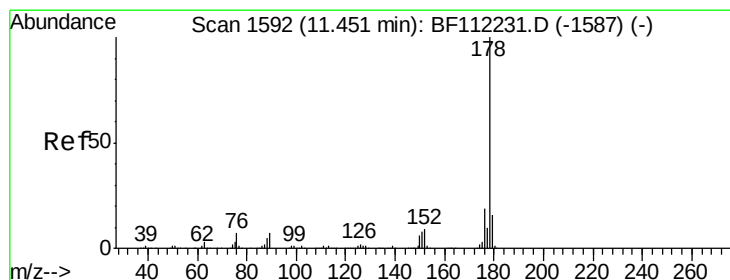
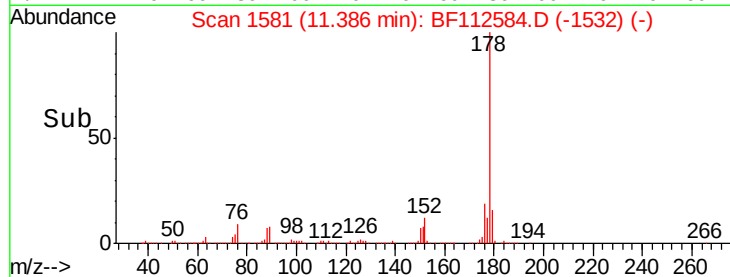
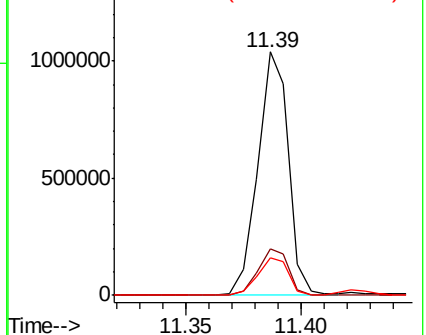
179 15.6 13.0 19.4



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: 50.346 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF112584.D

Acq: 15 Feb 2019 17:47

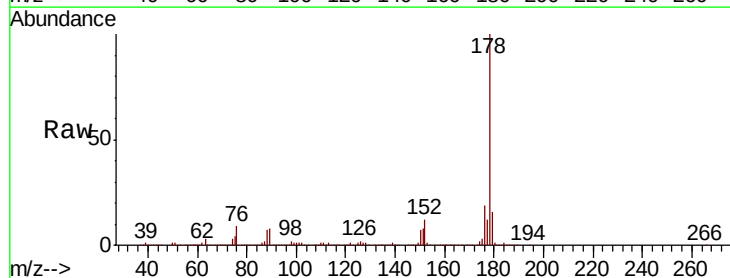
Tgt Ion:178 Resp: 958084

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

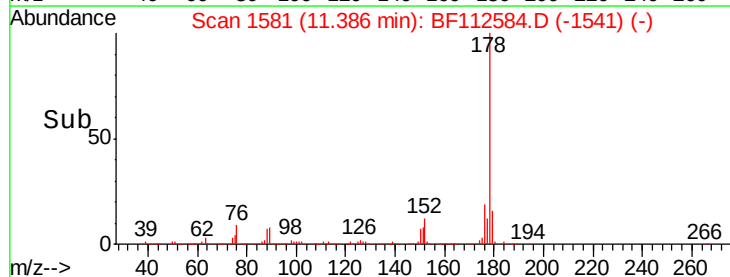
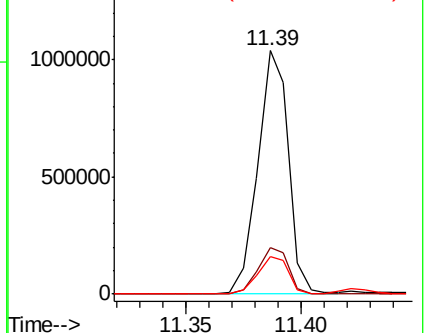
179 15.6 12.8 19.2

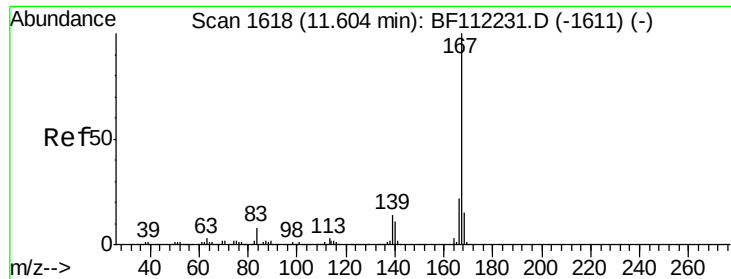


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

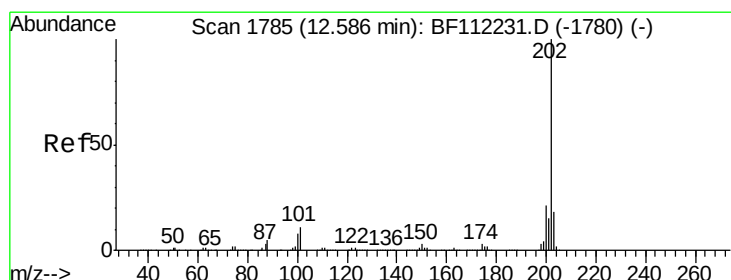
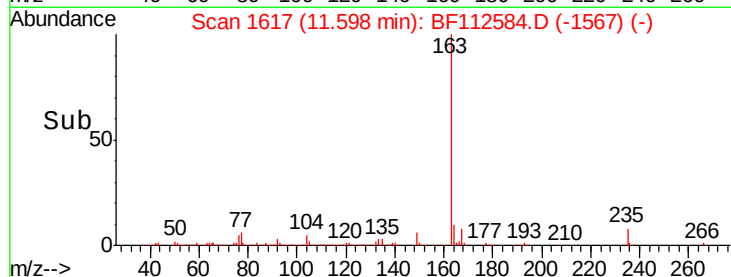
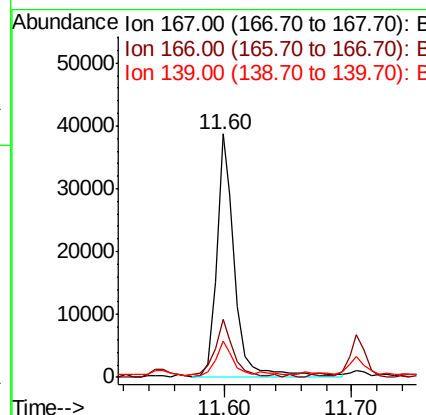
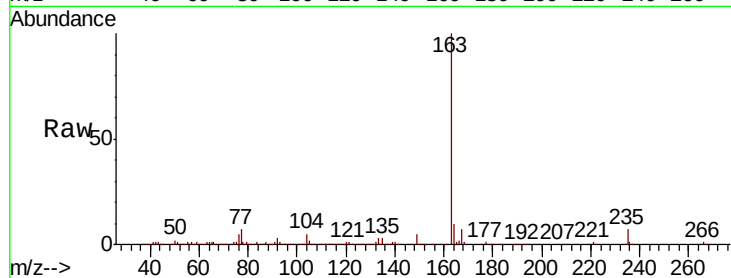




#73
 Carbazole
 Concen: 2.078 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

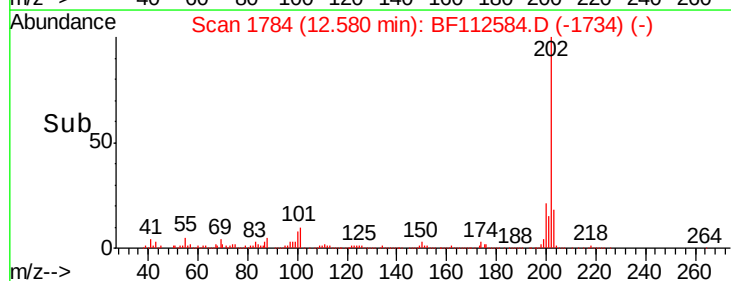
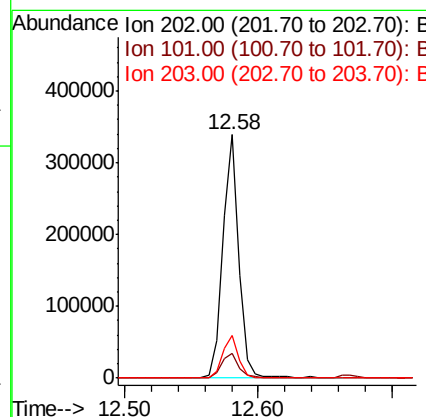
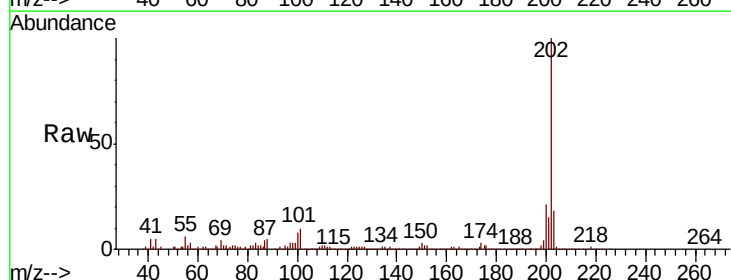
Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

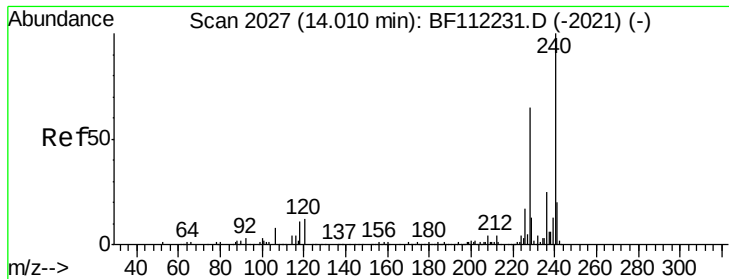
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.9	26.9
139	14.7	10.2	15.2



#75
 Fluoranthene
 Concen: 13.991 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.8
203	17.6	0.0	38.4

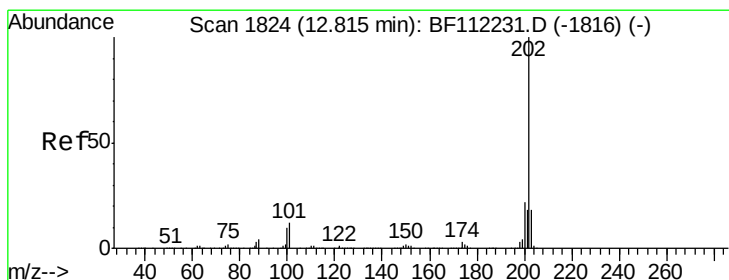
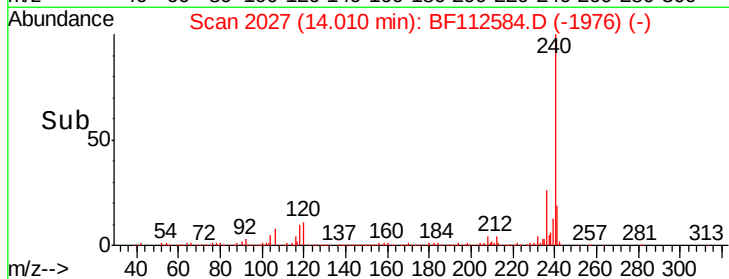
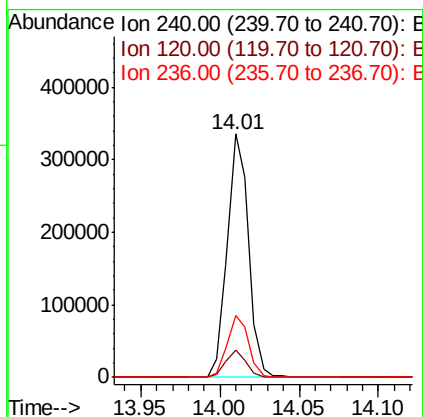
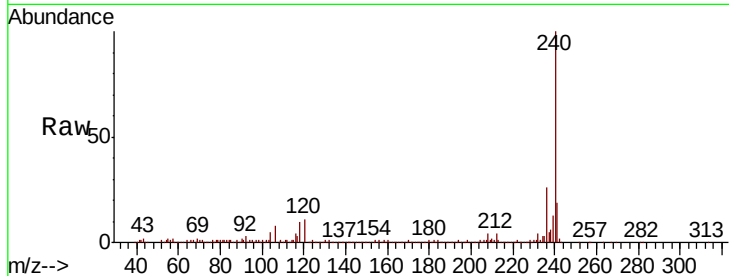




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

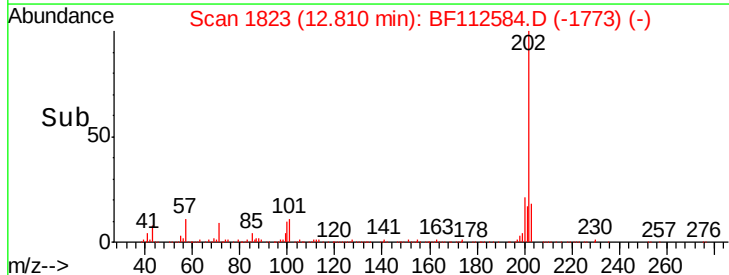
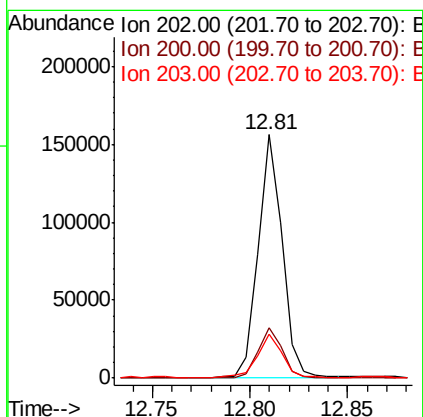
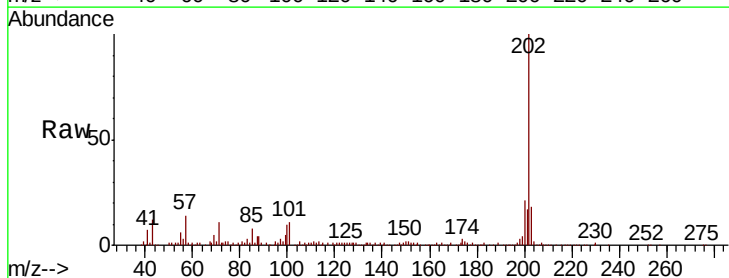
Instrument :
BNA_F
ClientSampleId :
RHR-1

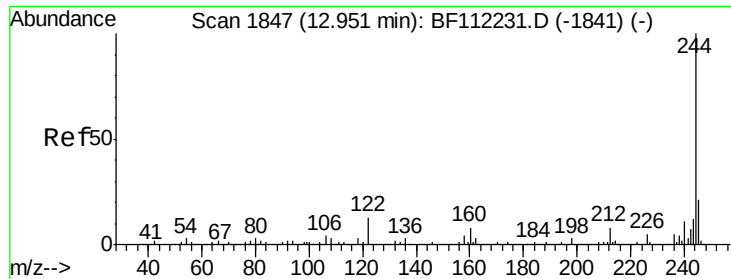
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.6
236	25.5	20.7	31.1



#78
Pyrene
Concen: 6.155 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	17.8	14.6	22.0

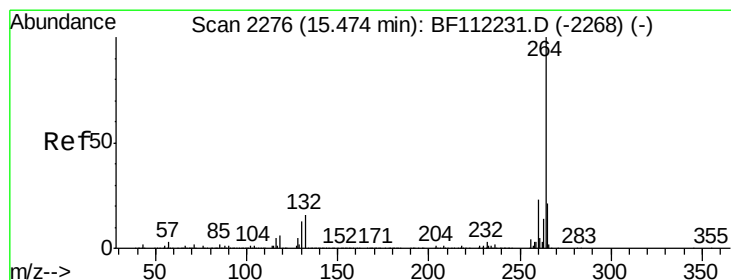
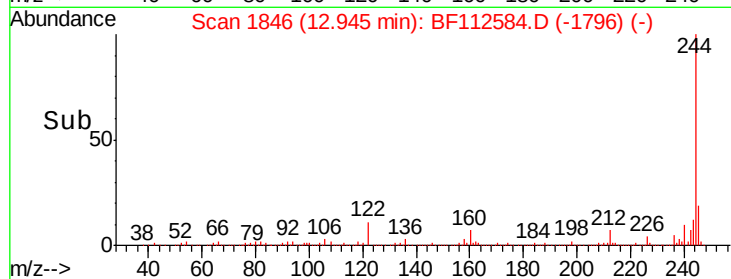
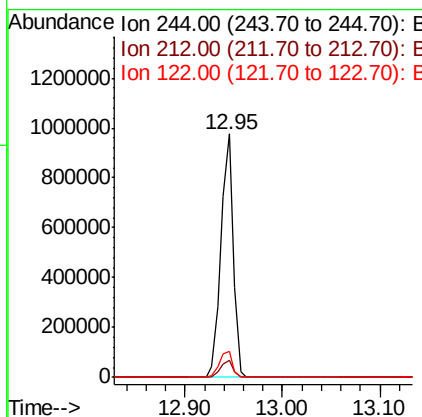
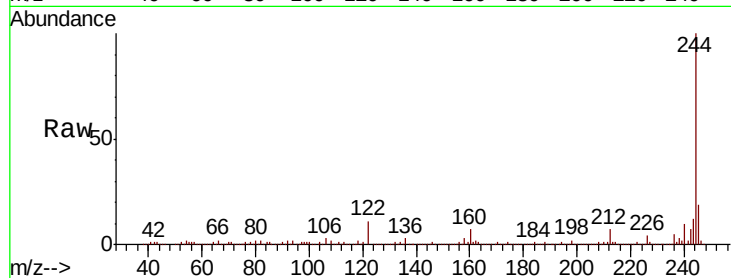




#79
 Terphenyl-d14
 Concen: 51.876 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

Tgt Ion:244 Resp: 859770
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 10.8 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Tgt Ion:264 Resp: 274339
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.2
 265 21.2 17.0 25.4

