

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
 Data File : BF112584.D
 Acq On : 15 Feb 2019 17:47
 Operator : JU/SJ
 Sample : K1487-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

Quant Time: Feb 15 23:52:58 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

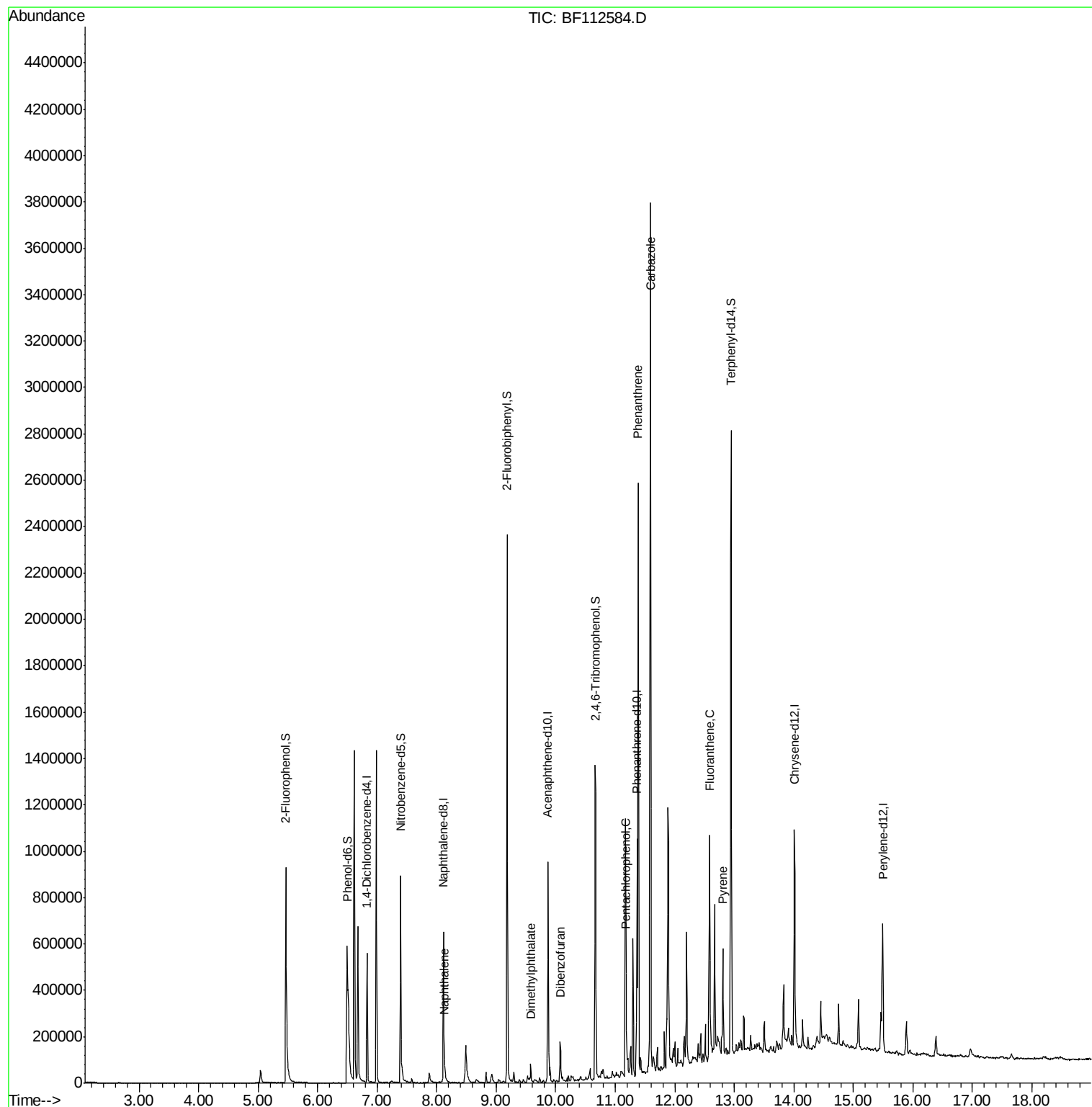
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.13	128	33533	2.086	ng	97
50) Dimethylphthalate	9.58	163	28069	2.018	ng	98
55) Dibenzofuran	10.07	168	59096	3.639	ng	95
70) Pentachlorophenol	11.19	266	21303	11.807	ng	99
71) Phenanthrene	11.39	178	958084	50.151	ng	98
73) Carbazole	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

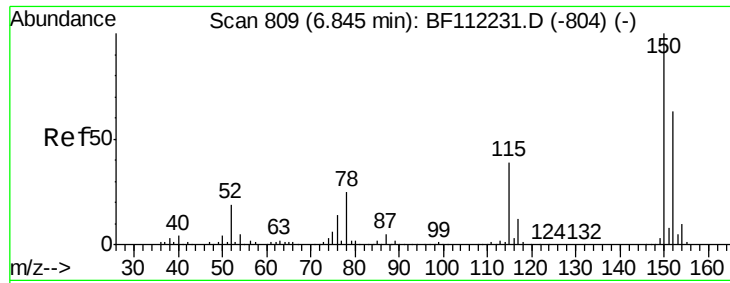
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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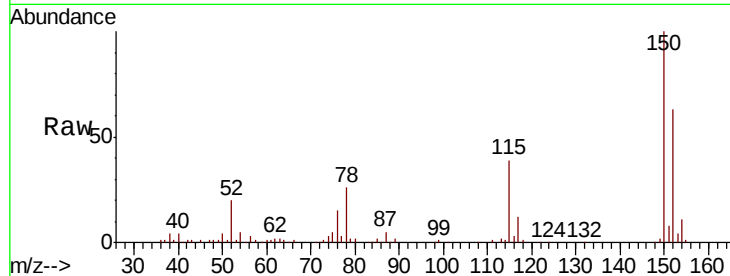


#1

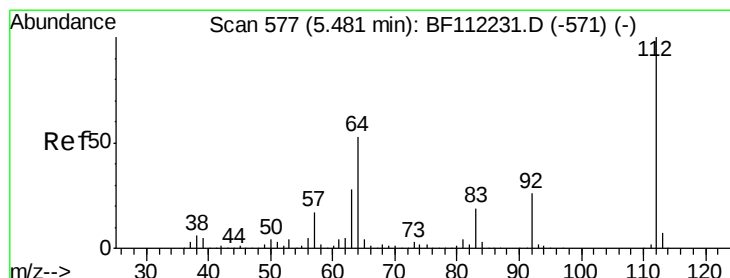
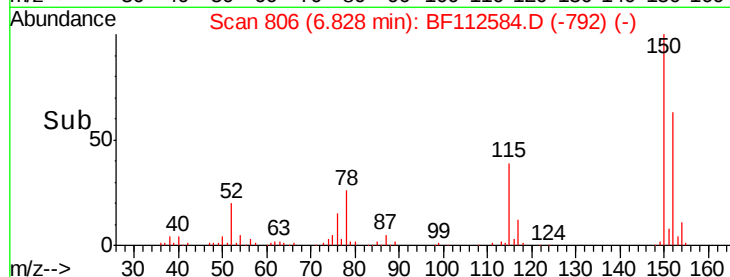
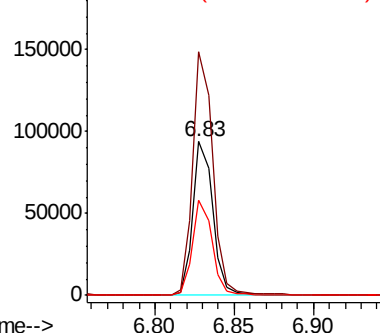
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

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



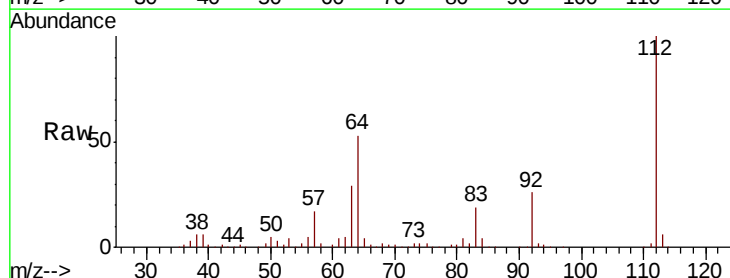
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



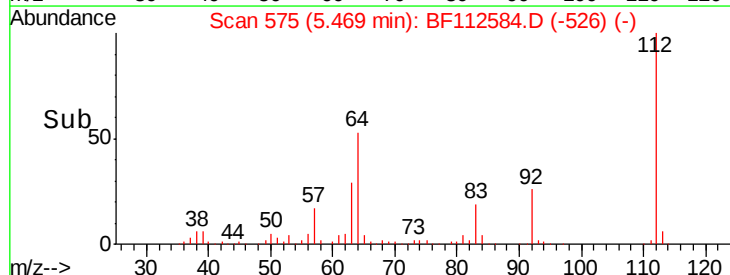
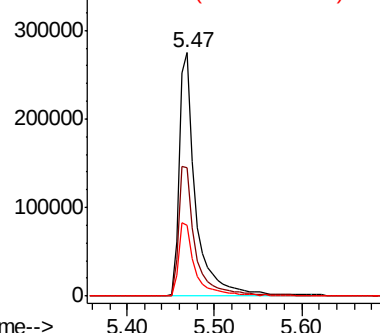
#5

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

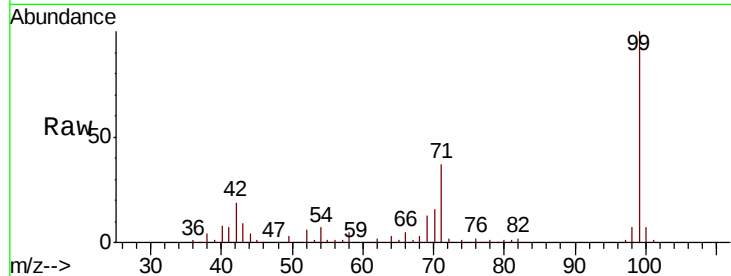
Tot Ion: 99 Resp: 483275

Ion Ratio Lower Upper

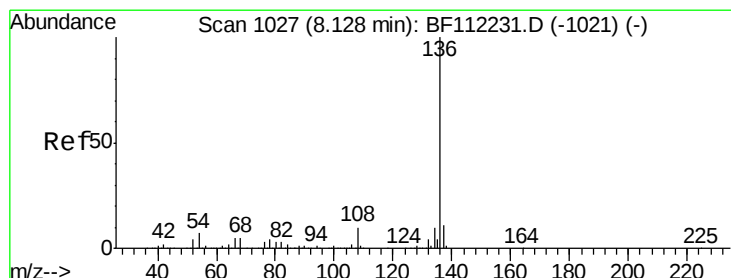
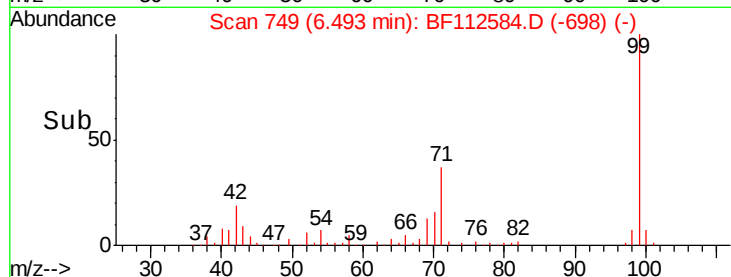
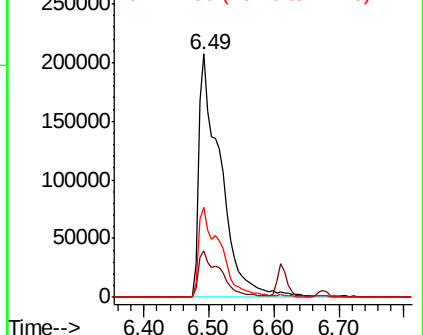
99 100

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



#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

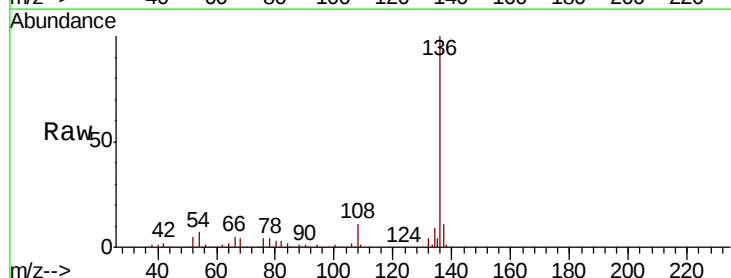
Ion Ratio Lower Upper

136 100

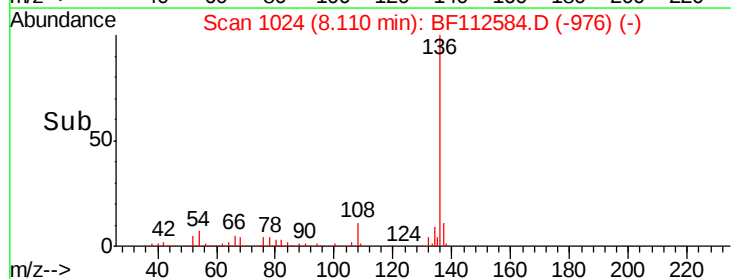
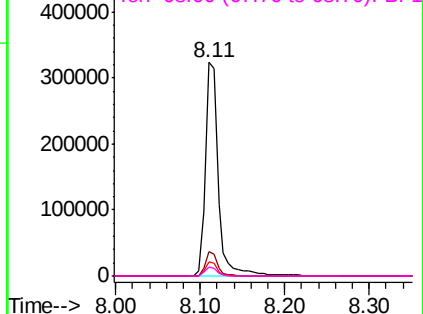
137 11.3 9.1 13.7

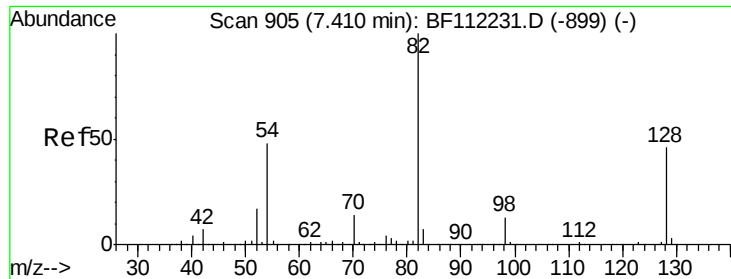
54 6.8 5.9 8.9

68 4.5 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

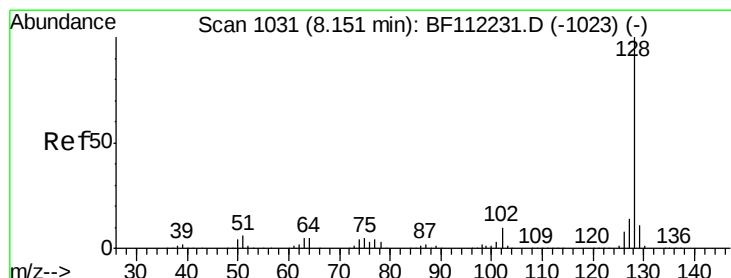
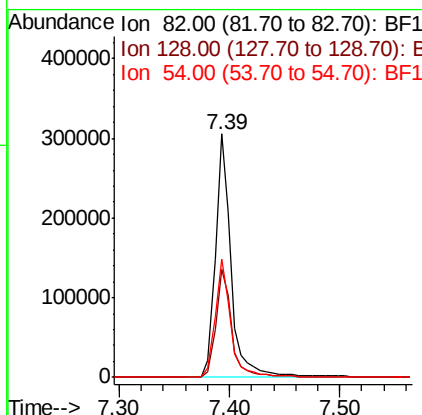
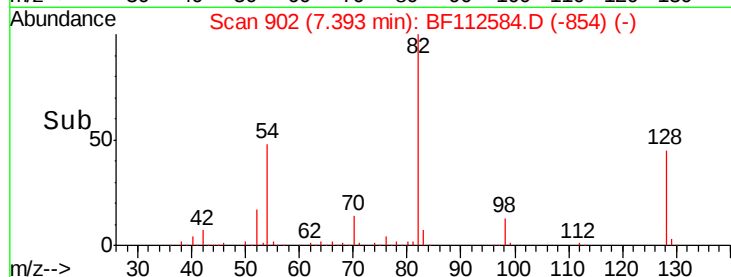
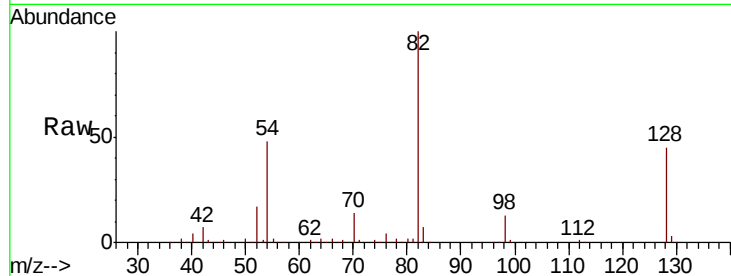




#23
Nitrobenzene-d5
Concen: 50.354 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

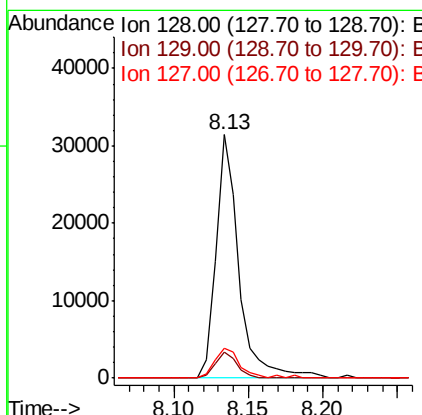
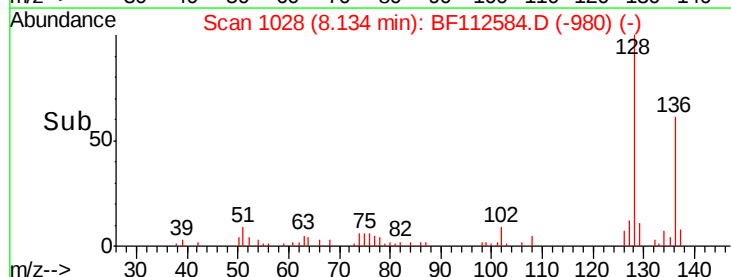
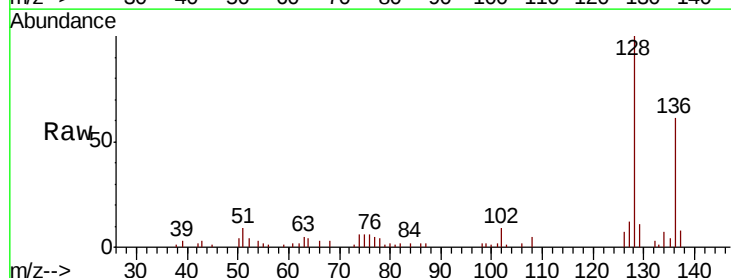
Instrument :
BNA_F
ClientSampleId :
RHR-1

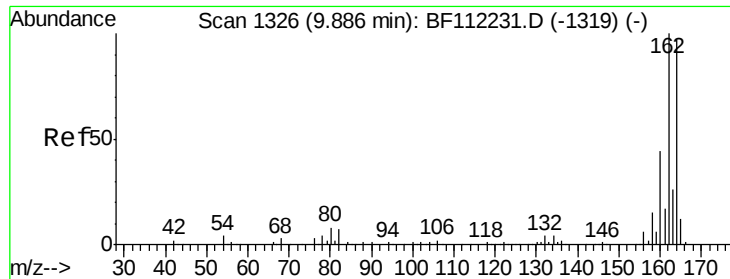
Tot Ion: 82 Resp: 300389
Ion Ratio Lower Upper
82 100
128 44.6 37.8 56.8
54 48.5 39.7 59.5



#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

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

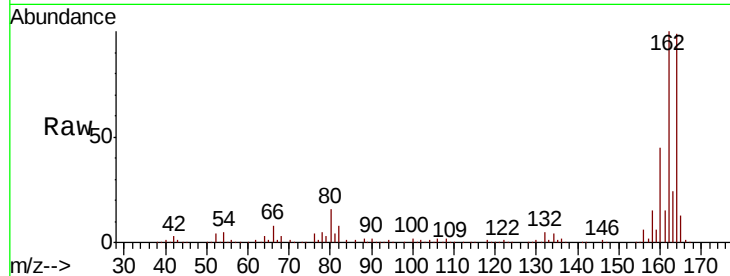




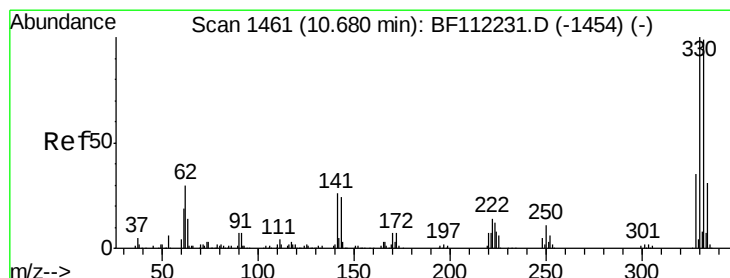
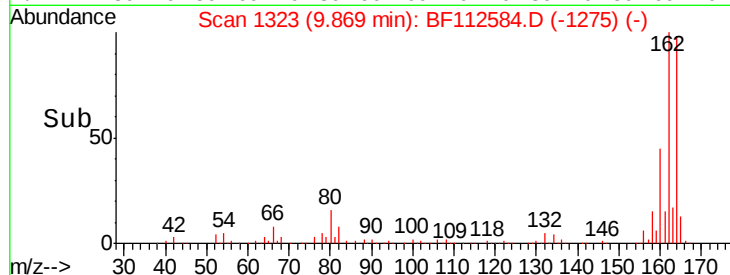
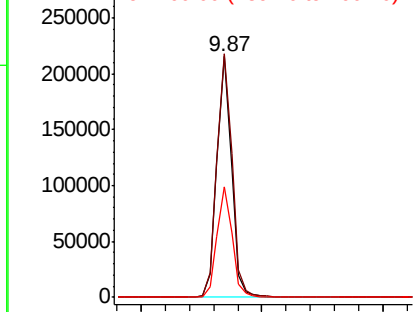
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Instrument :
BNA_F
ClientSampleId :
RHR-1

Tot Ion:164 Resp: 179050
Ion Ratio Lower Upper
164 100
162 101.2 82.2 123.4
160 45.9 36.2 54.4

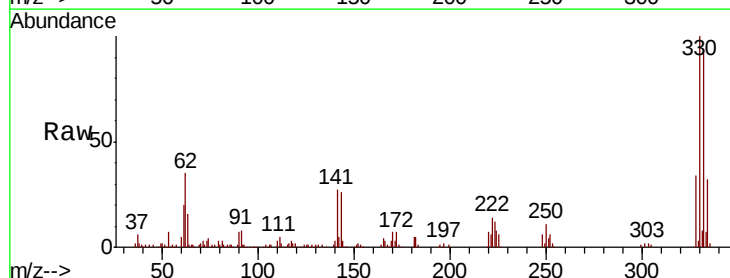


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

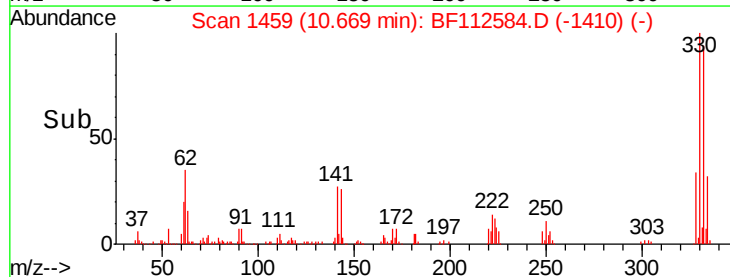
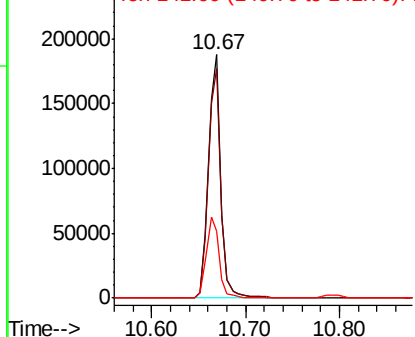


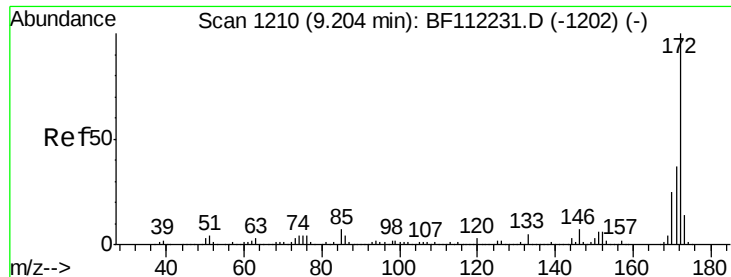
#42
2,4,6-Tribromophenol
Concen: 83.345 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

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

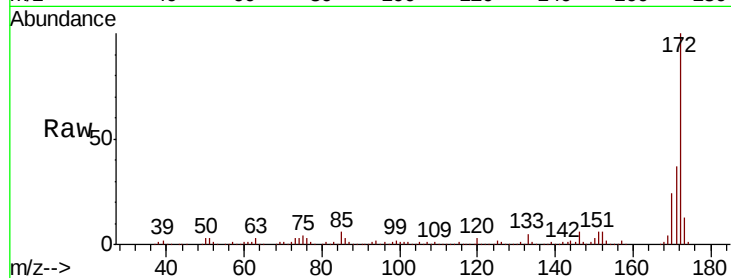




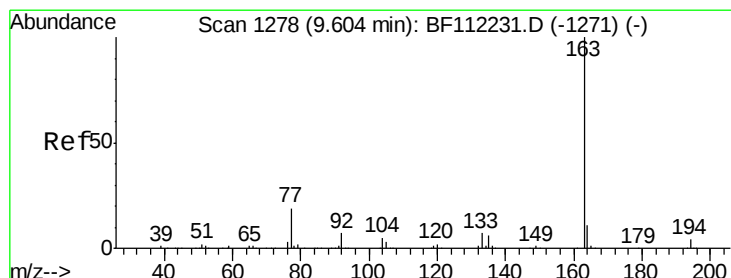
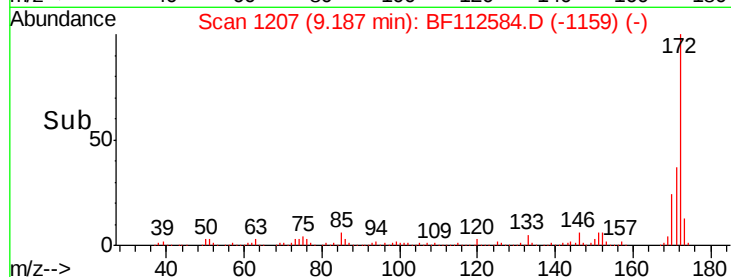
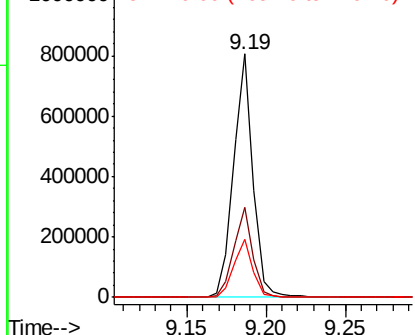
#45
2-Fluorobiphenyl
Concen: 53.777 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

Instrument :
BNA_F
ClientSampled :
RHR-1

Tot Ion:172 Resp: 680793
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 23.7 20.2 30.4

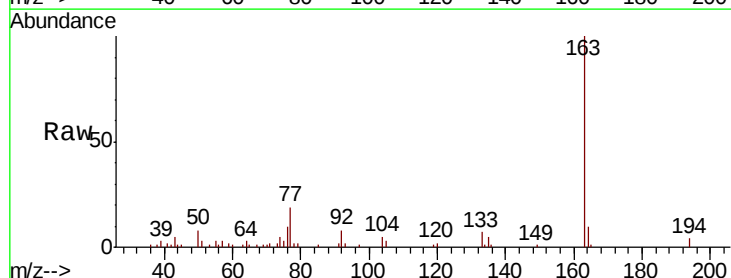


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

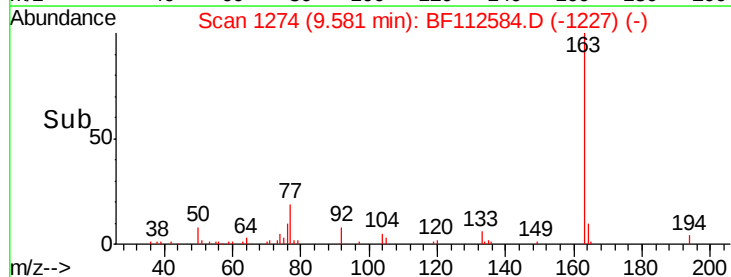
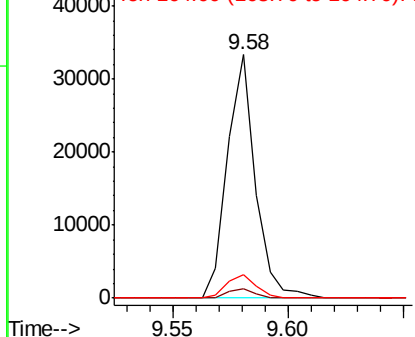


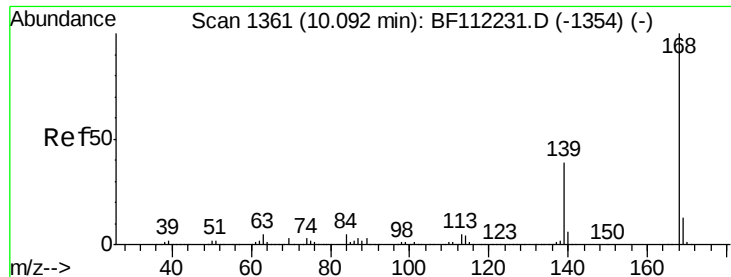
#50
Dimethylphthalate
Concen: 2.018 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

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

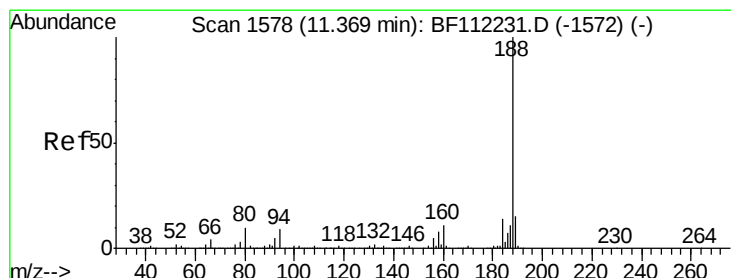
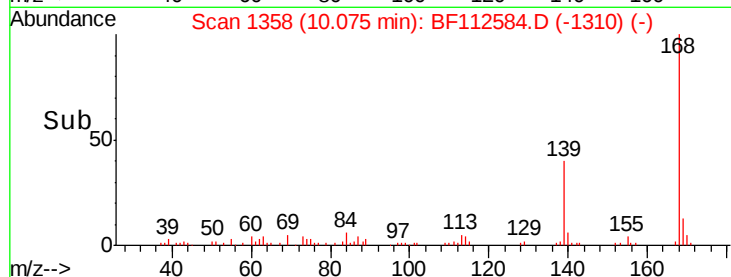
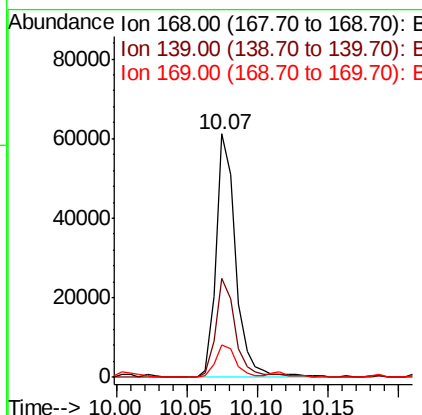
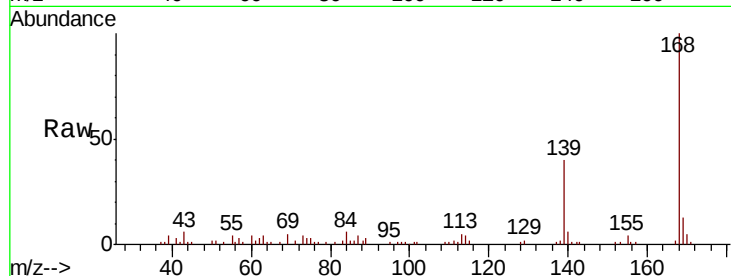




#55
Dibenzofuran
Concen: 3.639 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

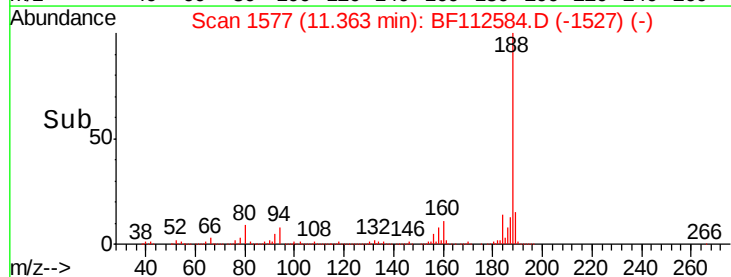
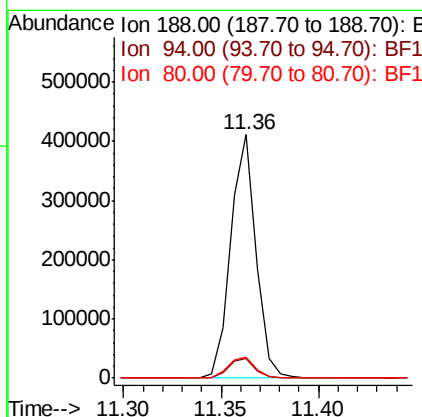
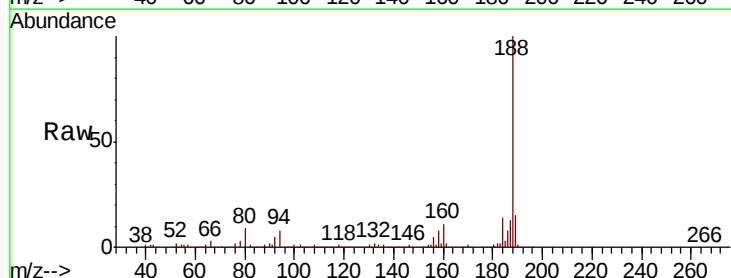
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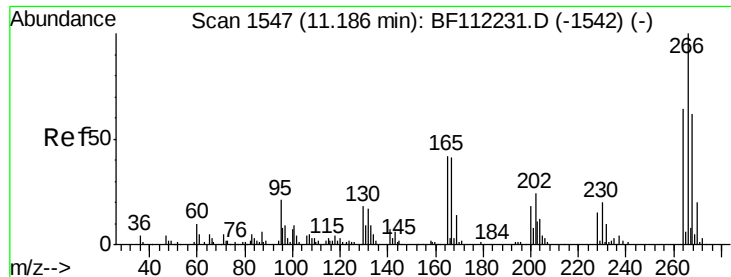
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.4	29.2	43.8
169	13.2	11.4	17.0



#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#

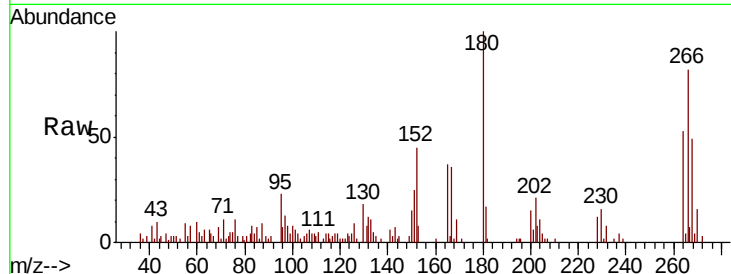




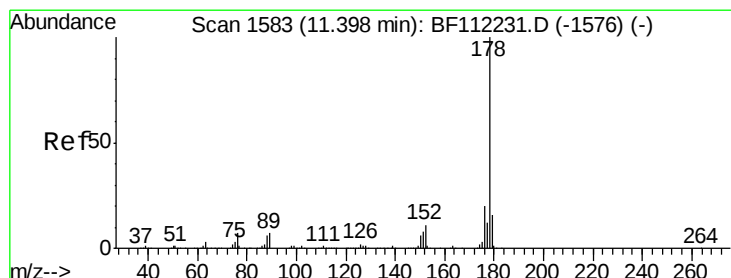
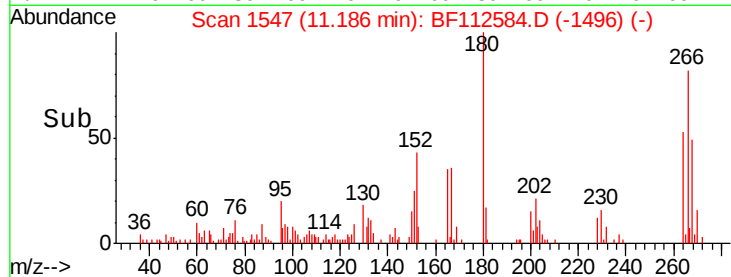
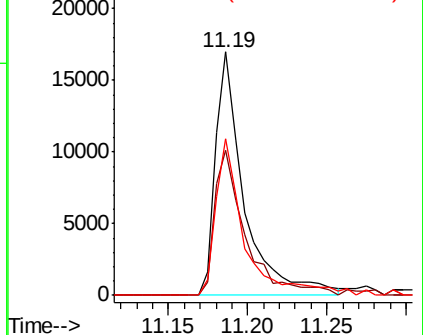
#70
 Pentachlorophenol
 Concen: 11.807 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Instrument :
 BNA_F
 ClientSampled :
 RHR-1

Tot Ion:266 Resp: 21303
 Ion Ratio Lower Upper
 266 100
 268 64.5 51.2 76.8
 264 64.6 50.9 76.3

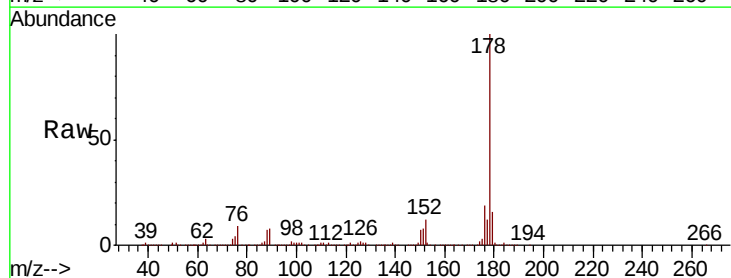


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

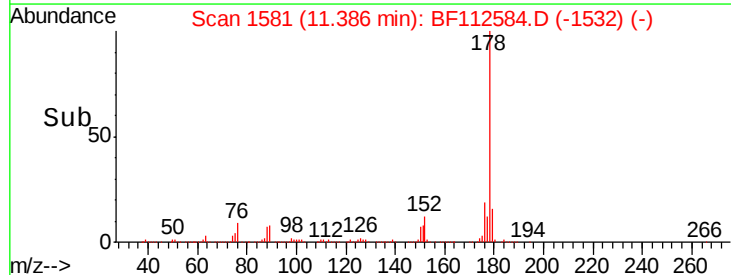
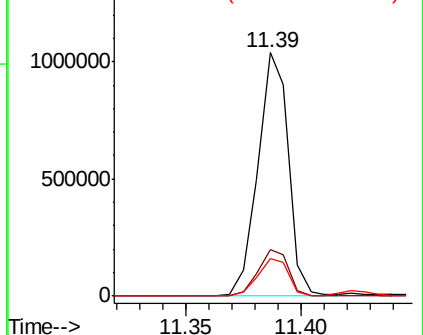


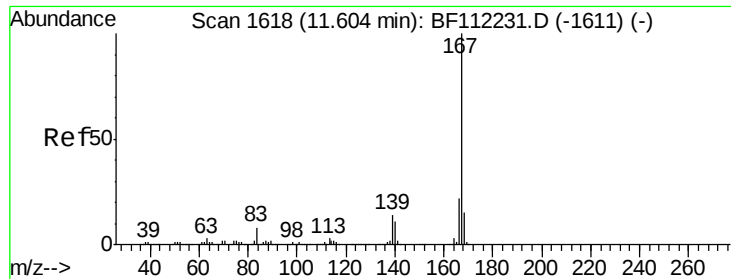
#71
 Phenanthrene
 Concen: 50.151 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

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





#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

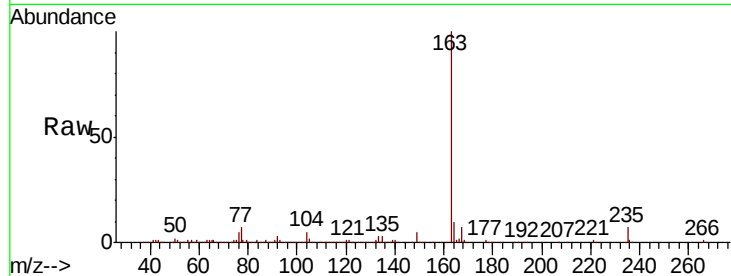
Tot Ion:167 Resp: 39010

Ion Ratio Lower Upper

167 100

166 23.7 17.9 26.9

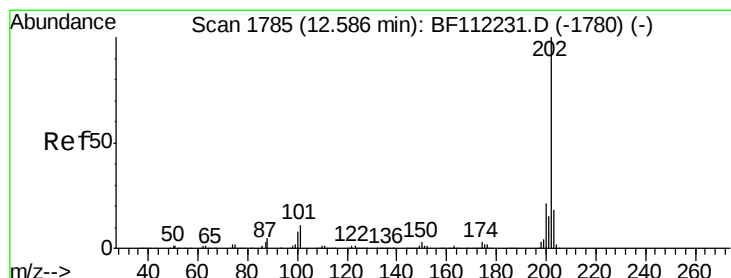
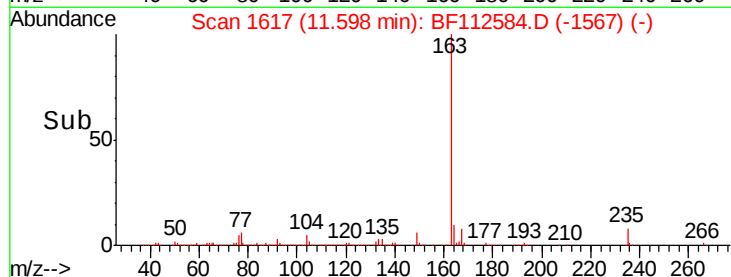
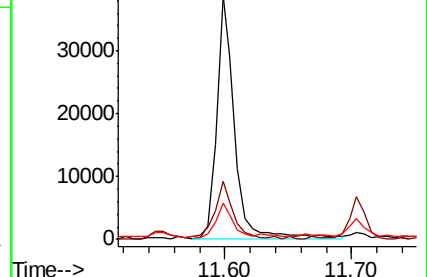
139 14.7 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#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

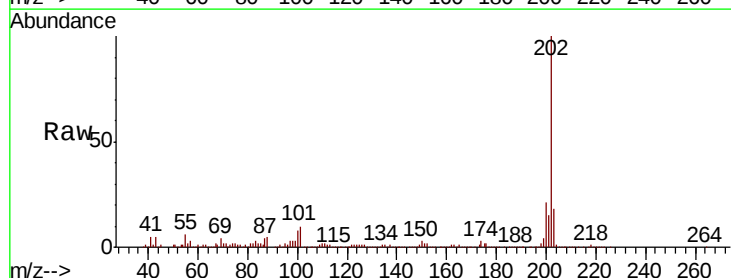
Tgt Ion:202 Resp: 286689

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.8

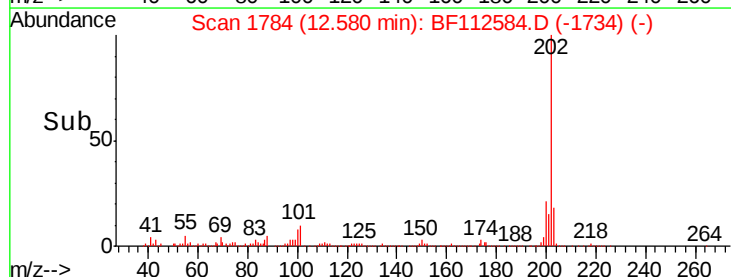
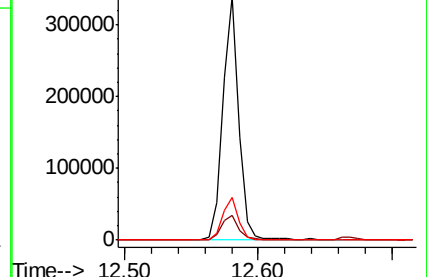
203 17.6 0.0 38.4

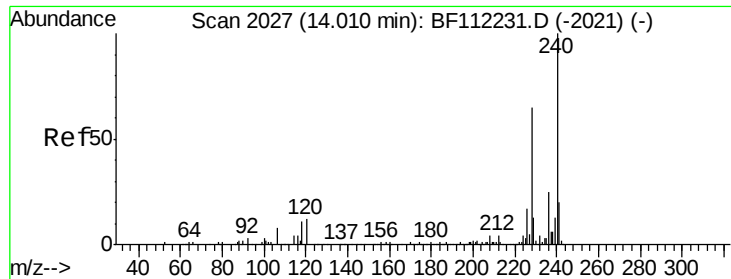


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

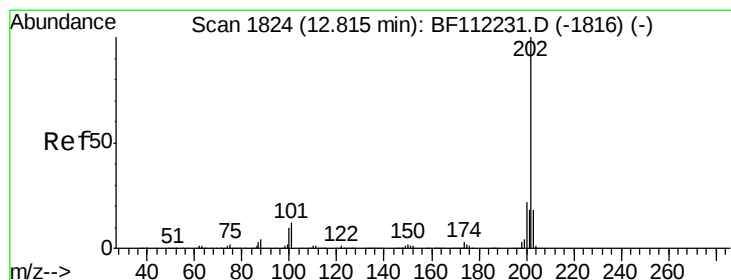
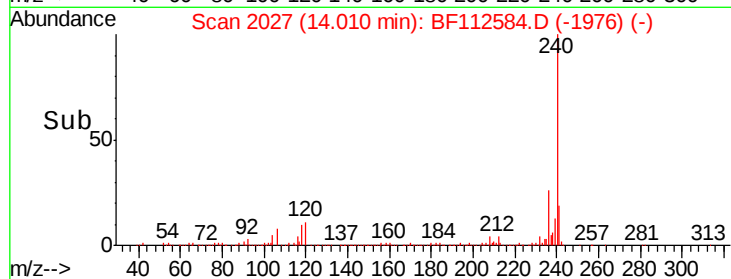
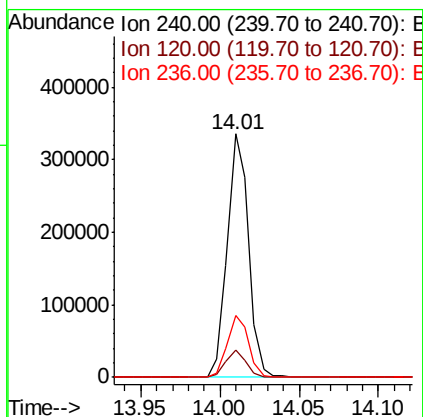
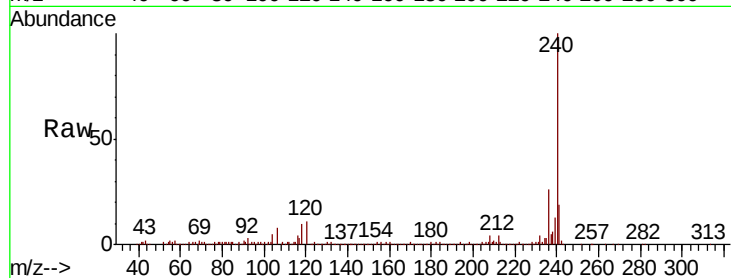




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112584.D
Acq: 15 Feb 2019 17:47

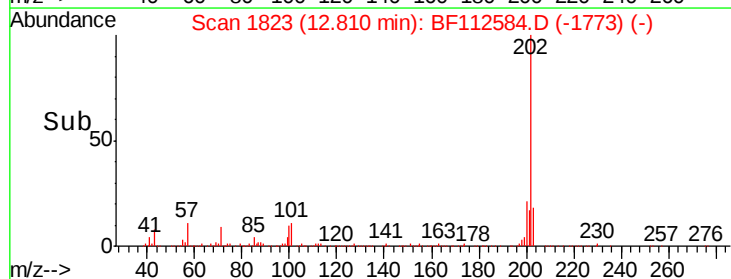
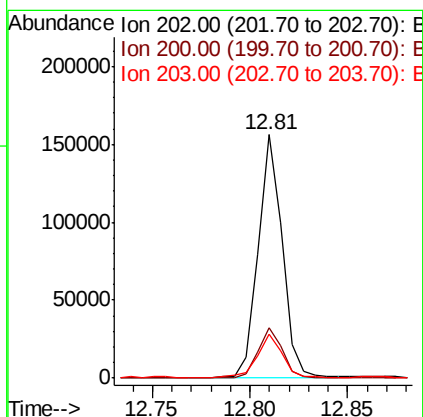
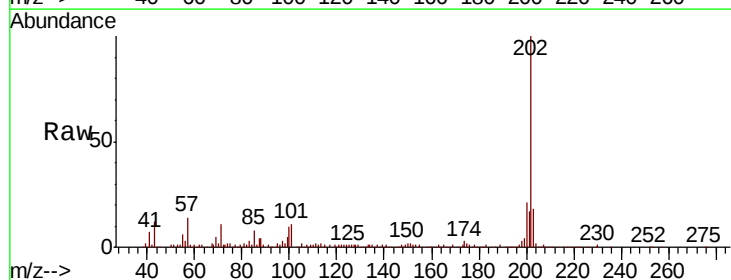
Instrument :
BNA_F
ClientSampleId :
RHR-1

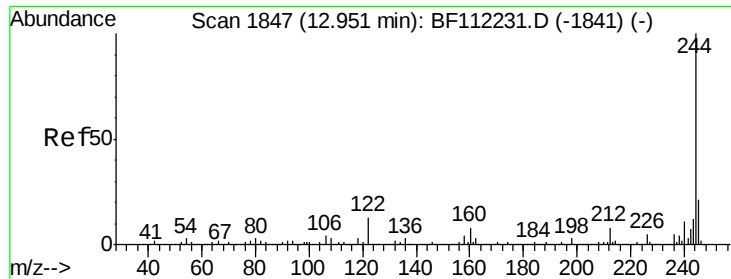
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.6
236	25.5	20.7	31.1



#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

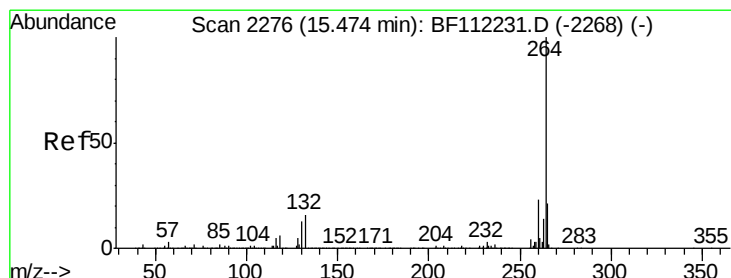
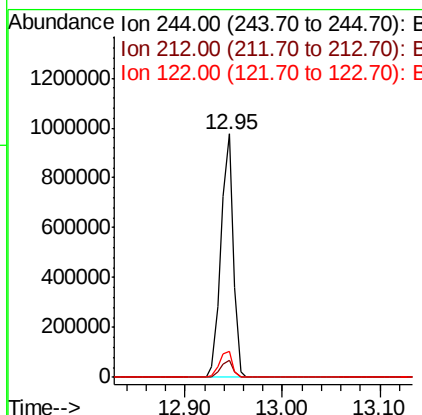
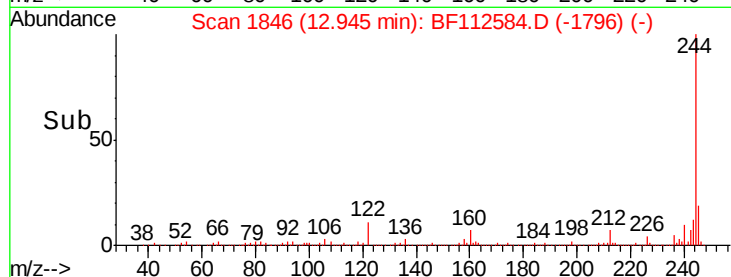
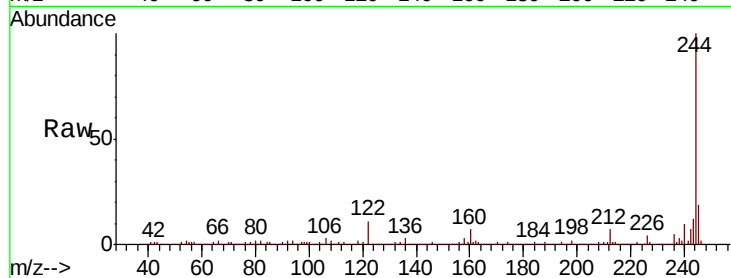




#79
 Terphenyl-d14
 Concen: 51.876 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112584.D
 Acq: 15 Feb 2019 17:47

Instrument :
 BNA_F
 ClientSampleId :
 RHR-1

Tot 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

