

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113178.D
 Acq On : 20 Mar 2019 18:33
 Operator : JU/SJ
 Sample : K1688-27 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:22:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

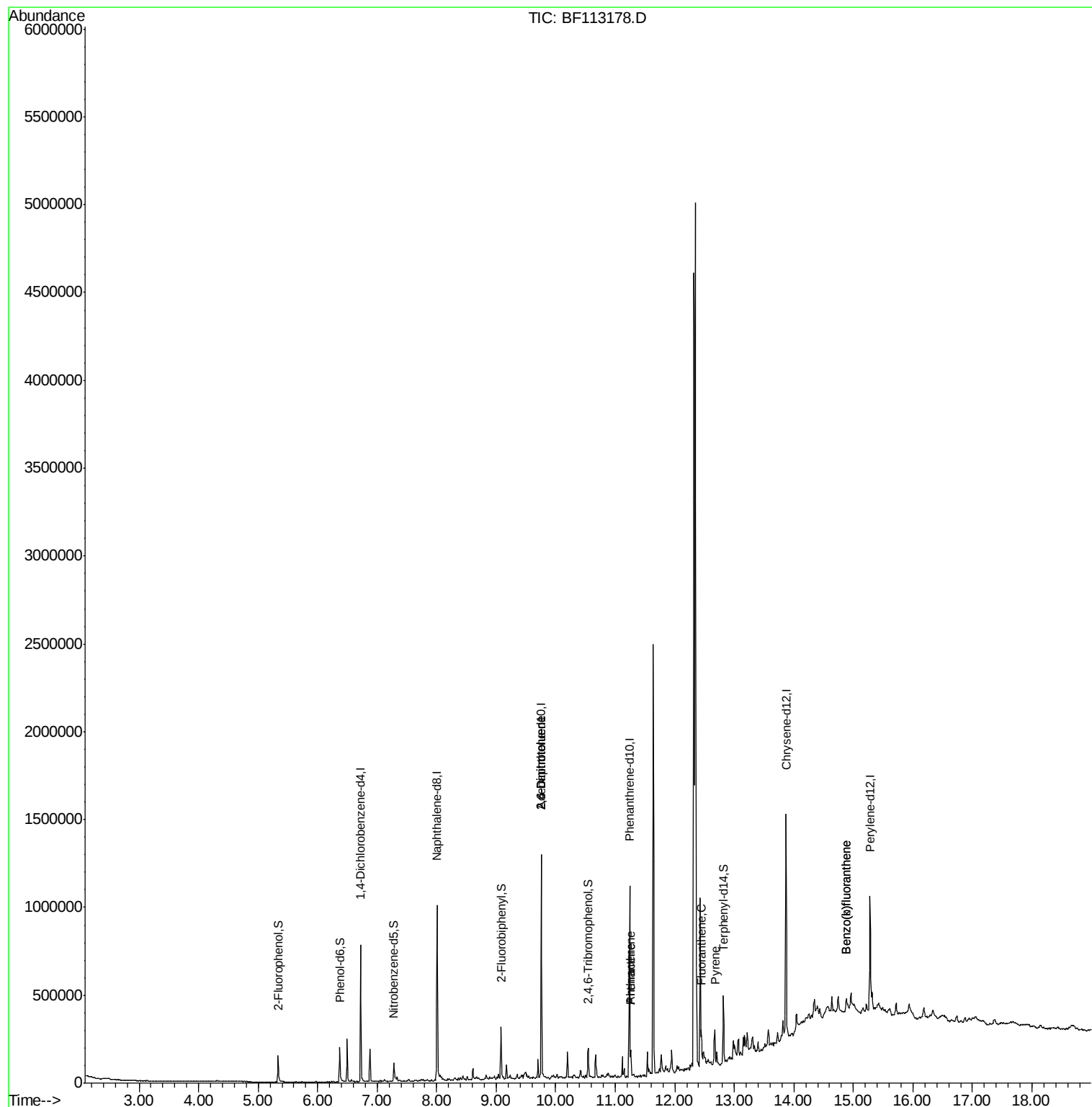
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	115241	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	442072	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	234759	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	449333	20.00	ng	0.00
76) Chrysene-d12	13.87	240	435927	20.00	ng	0.00
87) Perylene-d12	15.28	264	299406	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	54864	7.41	ng	0.00
7) Phenol-d6	6.37	99	79276	8.52	ng	0.00
23) Nitrobenzene-d5	7.28	82	42757	5.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	23591	9.47	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	109528	4.85	ng	0.00
79) Terphenyl-d14	12.82	244	123057	5.47	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.76	165	30505	8.463	ng	# 25
57) 2,4-Dinitrotoluene	9.76	165	30505	6.808	ng	# 23
71) Phenanthrene	11.26	178	49022	2.193	ng	97
72) Anthracene	11.26	178	49022	2.095	ng	97
75) Fluoranthene	12.45	202	80972	3.381	ng	98
78) Pyrene	12.67	202	76745	2.088	ng	97
88) Benzo(b)fluoranthene	14.88	252	39132	2.021	ng	# 83
89) Benzo(k)fluoranthene	14.88	252	39132	2.231	ng	# 82

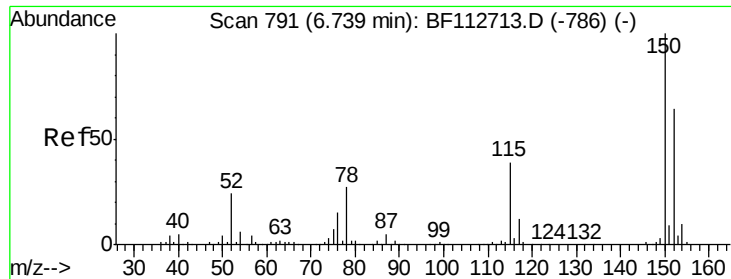
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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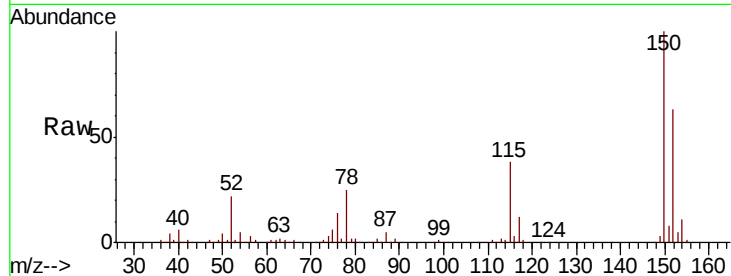


#1

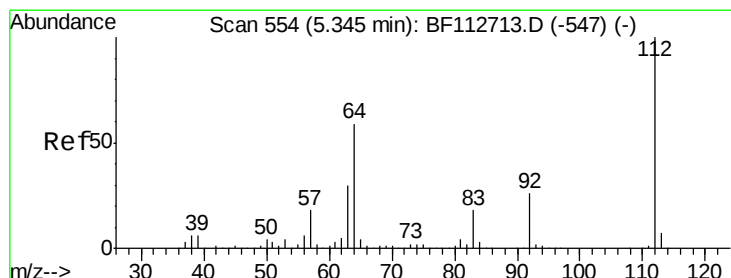
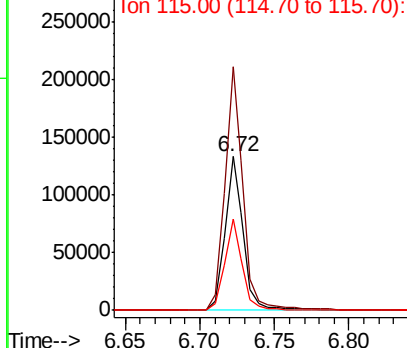
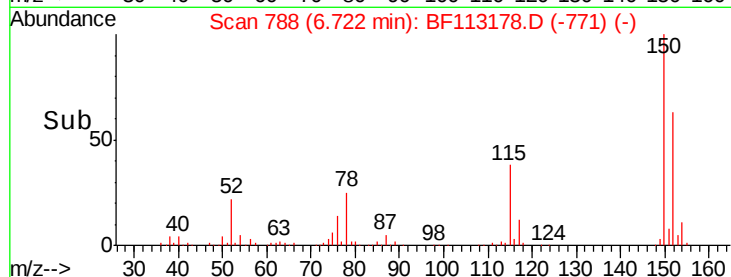
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 115241
 Ion Ratio Lower Upper
 152 100
 150 158.1 123.0 184.6
 115 59.7 45.9 68.9



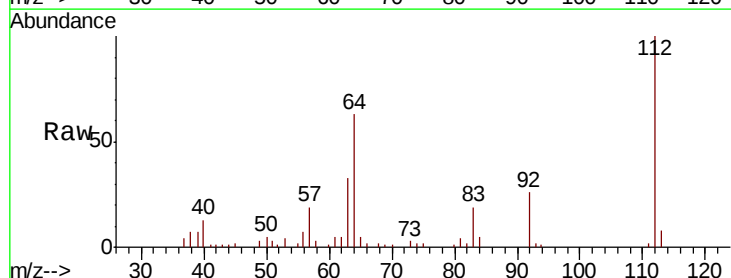
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



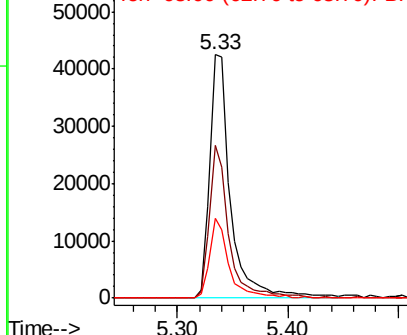
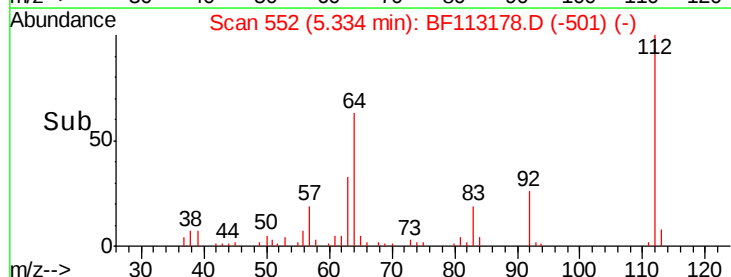
#5

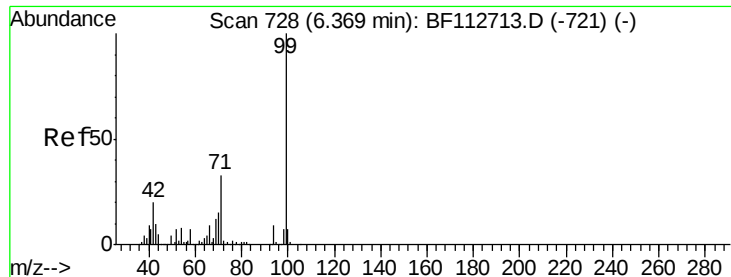
2-Fluorophenol
 Concen: 7.406 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.00 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Tgt Ion:112 Resp: 54864
 Ion Ratio Lower Upper
 112 100
 64 62.8 49.3 73.9
 63 32.8 25.4 38.2



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: 8.519 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113178.D

Acq: 20 Mar 2019 18:33

Instrument :

BNA_F

ClientSampled :

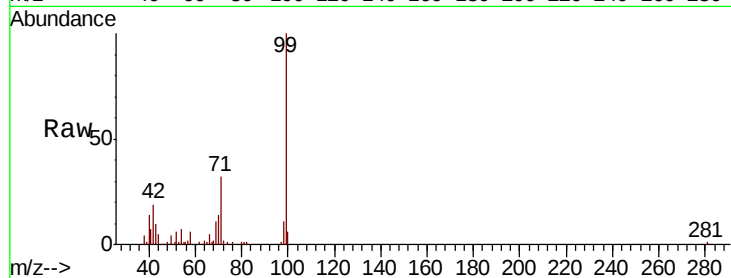
Tot Ion: 99 Resp: 79276

Ion Ratio Lower Upper

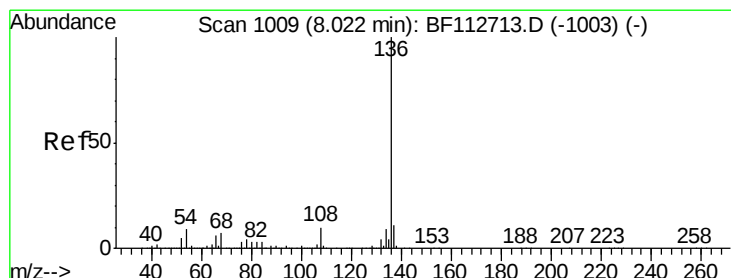
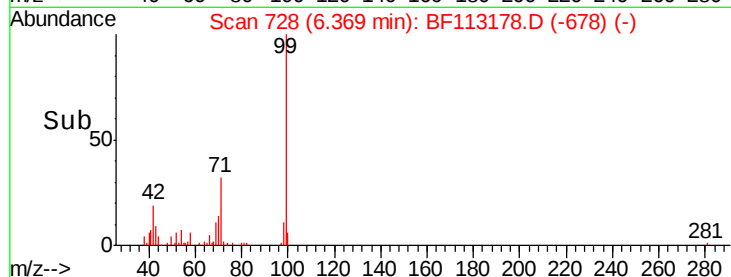
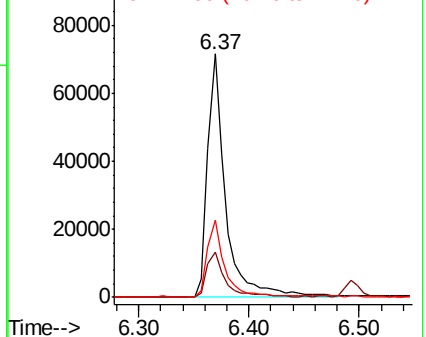
99 100

42 18.7 15.2 22.8

71 31.9 25.7 38.5



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: 8.00 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF113178.D

Acq: 20 Mar 2019 18:33

Tgt Ion: 136 Resp: 442072

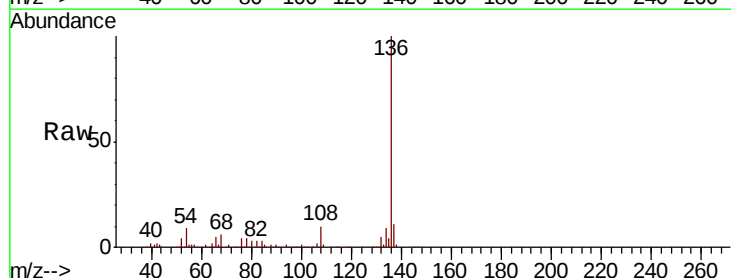
Ion Ratio Lower Upper

136 100

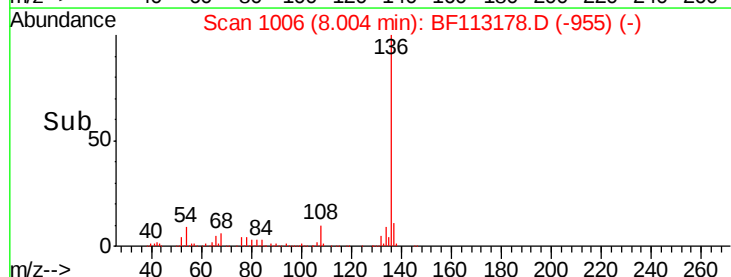
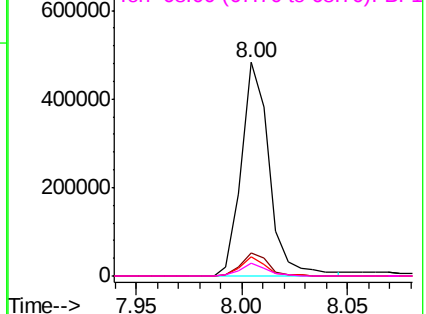
137 11.0 8.9 13.3

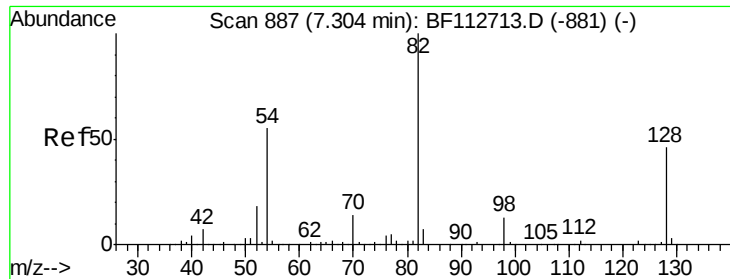
54 8.7 7.0 10.6

68 6.2 5.0 7.4



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

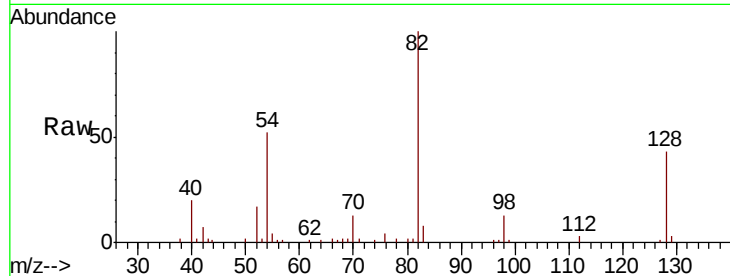




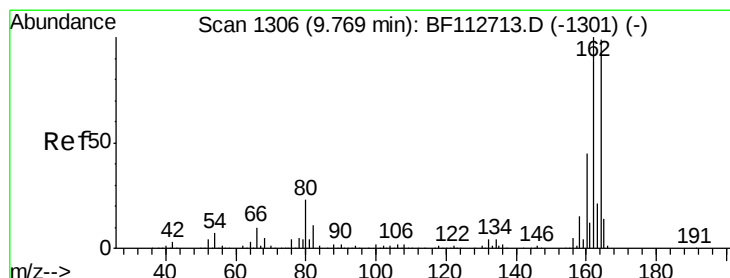
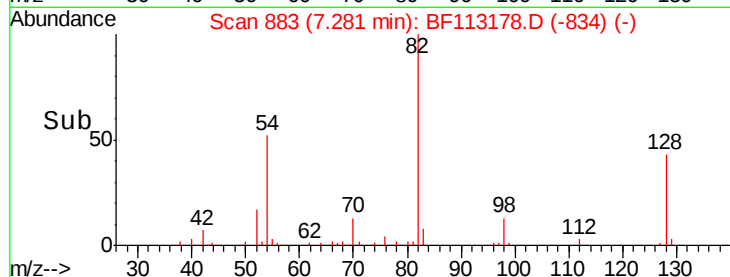
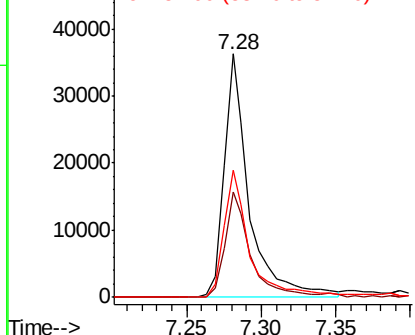
#23
Nitrobenzene-d5
Concen: 5.787 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 42757
Ion Ratio Lower Upper
82 100
128 43.4 37.9 56.9
54 52.0 41.2 61.8

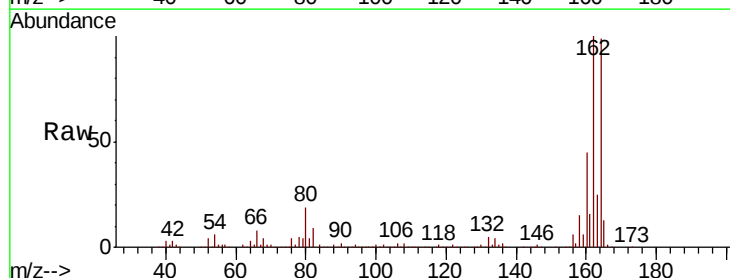


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

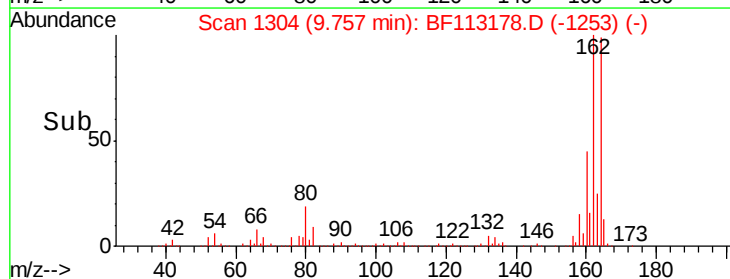
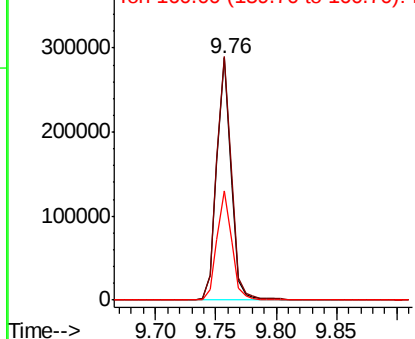


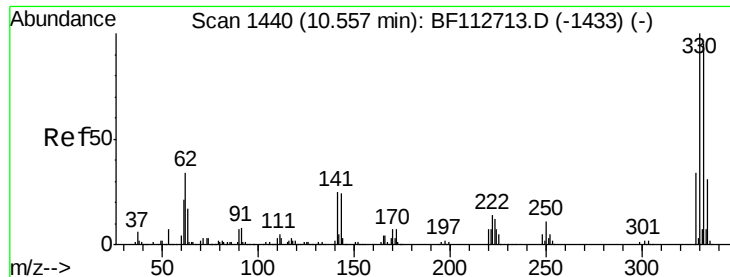
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Tgt Ion:164 Resp: 234759
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.4 36.2 54.2



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

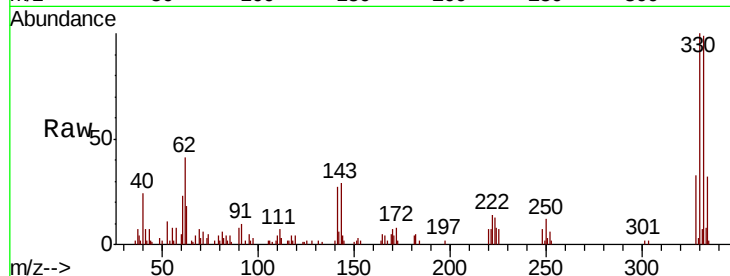




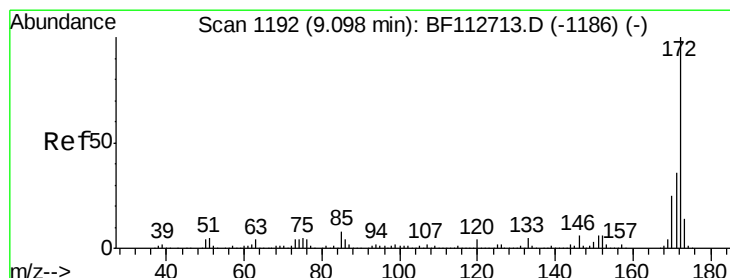
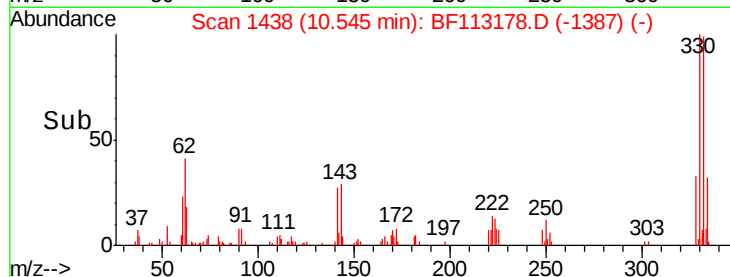
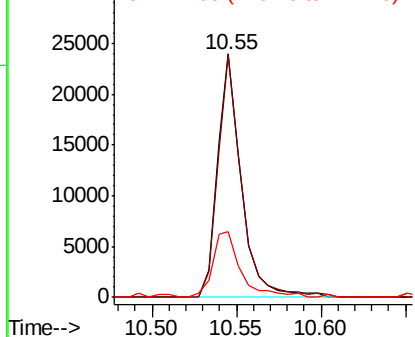
#42
 2,4,6-Tribromophenol
 Concen: 9.466 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 23591
 Ion Ratio Lower Upper
 330 100
 332 99.0 76.3 114.5
 141 32.0 22.3 33.5

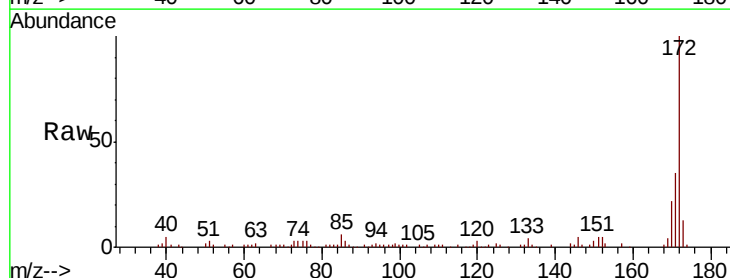


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

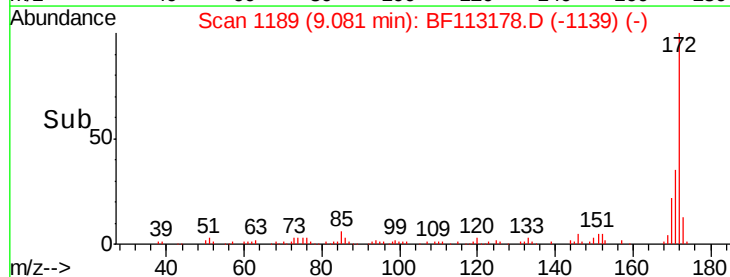
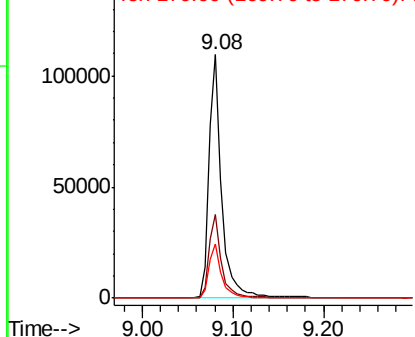


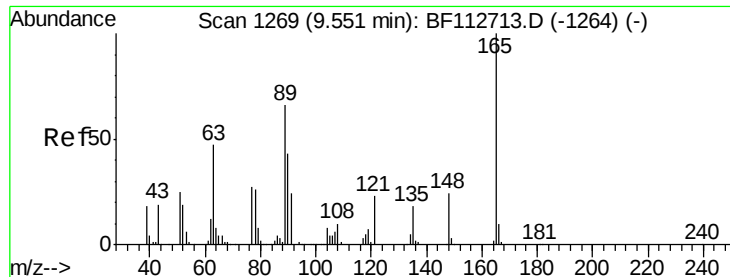
#45
 2-Fluorobiphenyl
 Concen: 4.853 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Tgt Ion:172 Resp: 109528
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.0 43.4
 170 22.2 20.1 30.1



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

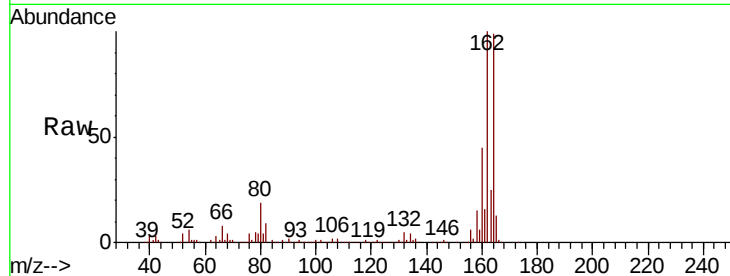




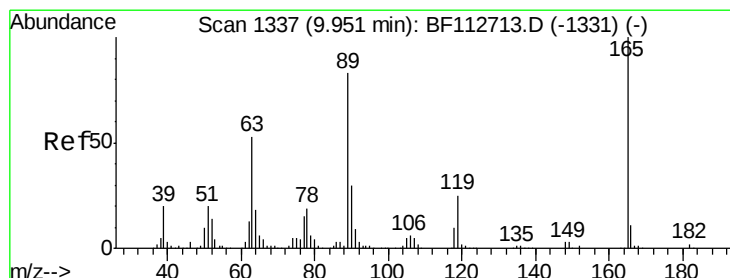
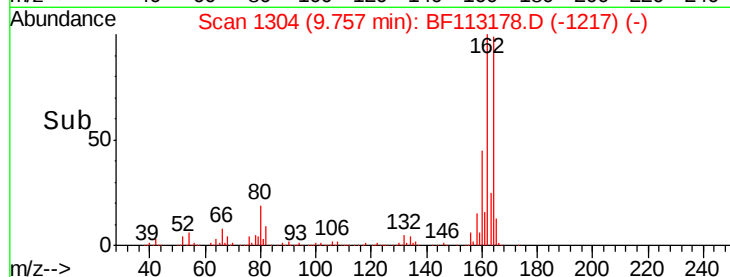
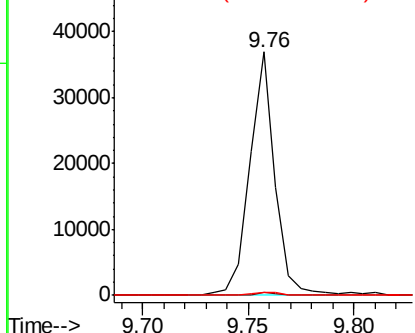
#51
2,6-Dinitrotoluene
Concen: 8.463 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	45.4	68.2#
89	1.2	43.8	65.6#



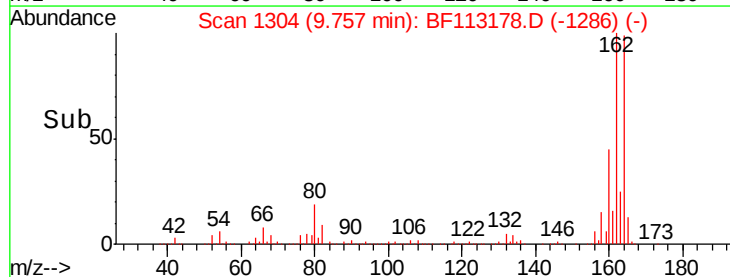
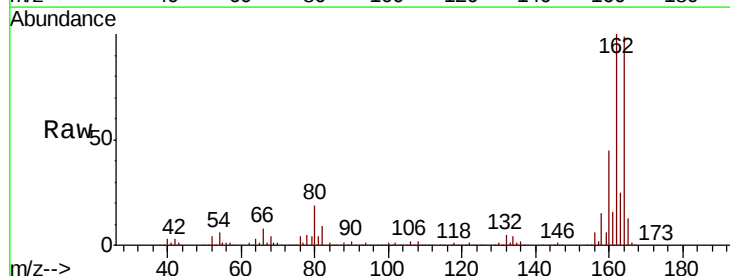
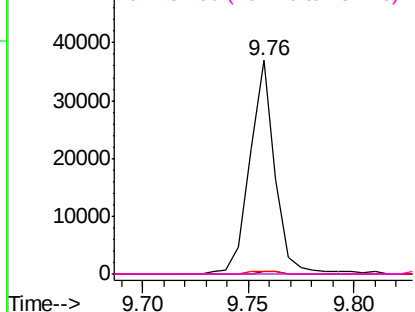
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

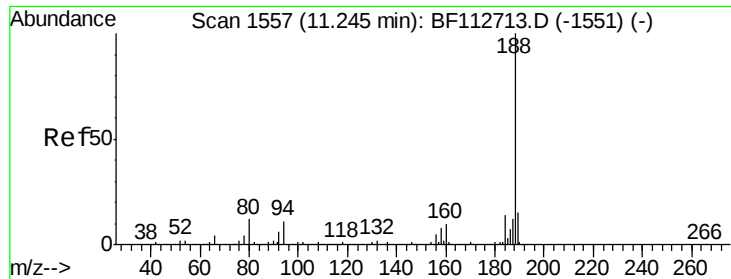


#57
2,4-Dinitrotoluene
Concen: 6.808 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.9	56.9#
89	1.2	58.5	87.7#
182	0.0	2.2	3.2#

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

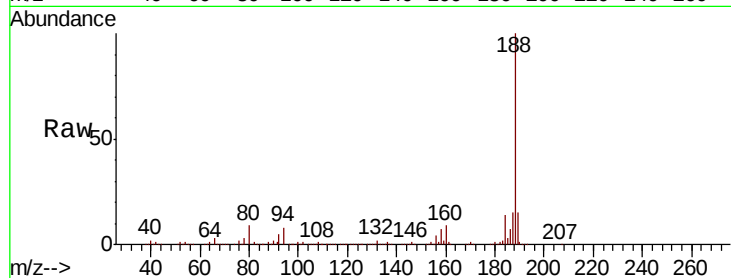




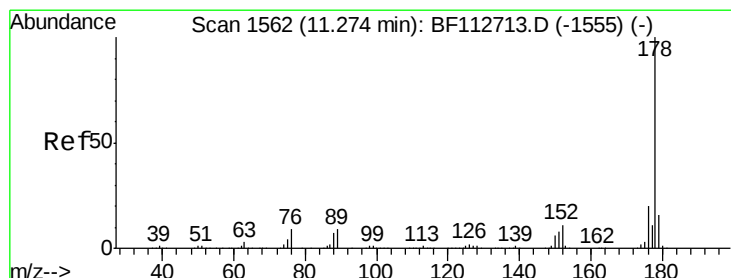
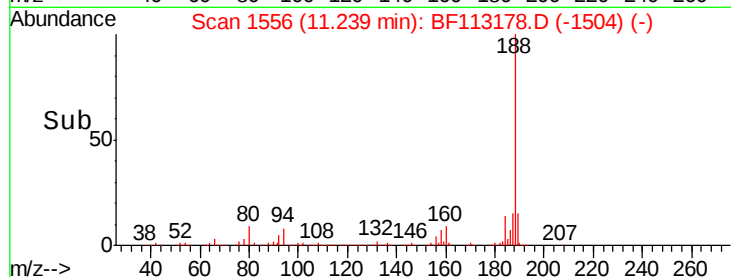
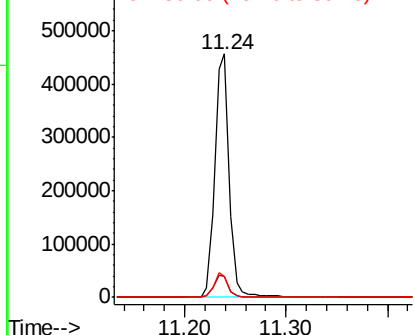
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 449333
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 8.8 7.9 11.9

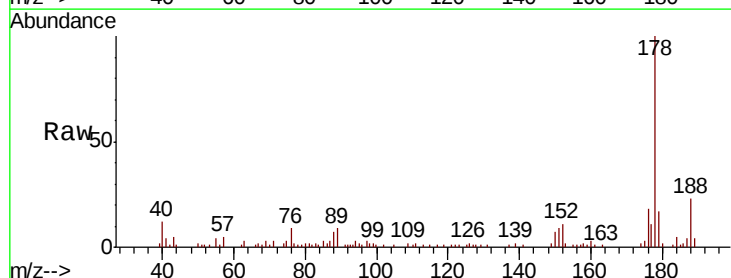


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

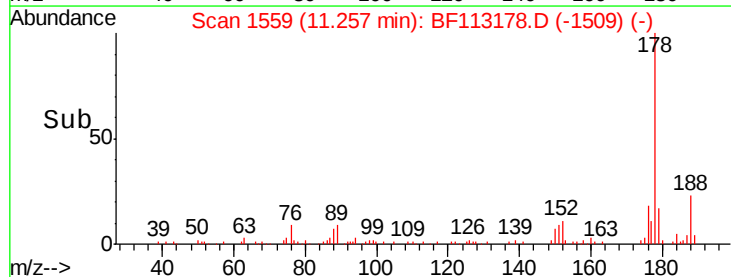
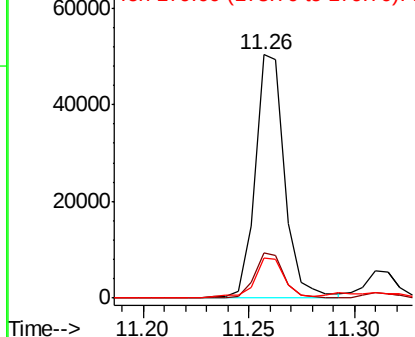


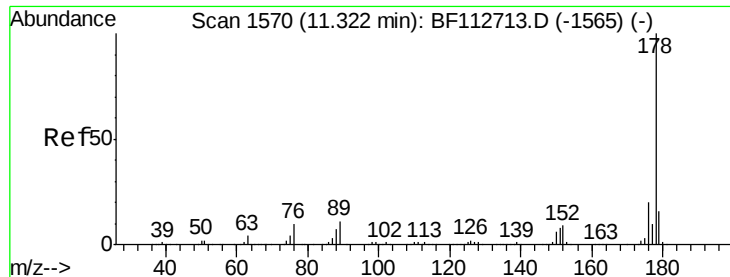
#71
Phenanthrene
Concen: 2.193 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Tgt Ion:178 Resp: 49022
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 16.5 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: 2.095 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.06 min

Lab File: BF113178.D

Acq: 20 Mar 2019 18:33

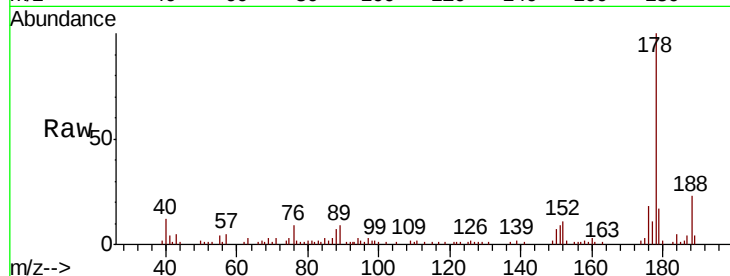
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 49022

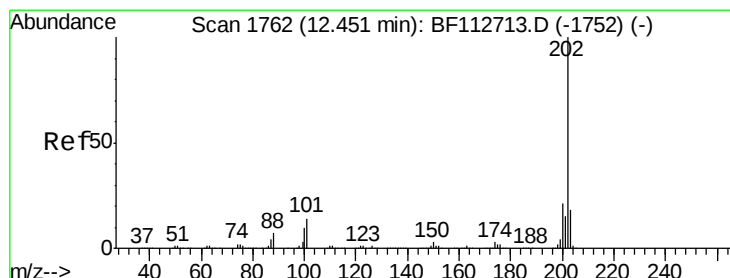
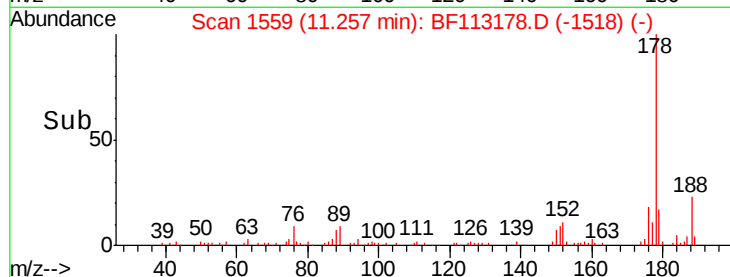
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	16.5	12.4	18.6



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



#75

Fluoranthene

Concen: 3.381 ng

RT: 12.45 min Scan# 1761

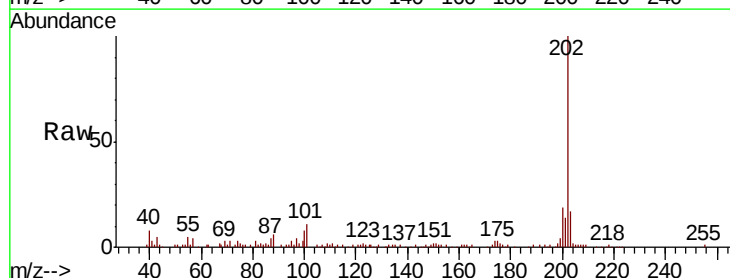
Delta R.T. 0.00 min

Lab File: BF113178.D

Acq: 20 Mar 2019 18:33

Tgt Ion:202 Resp: 80972

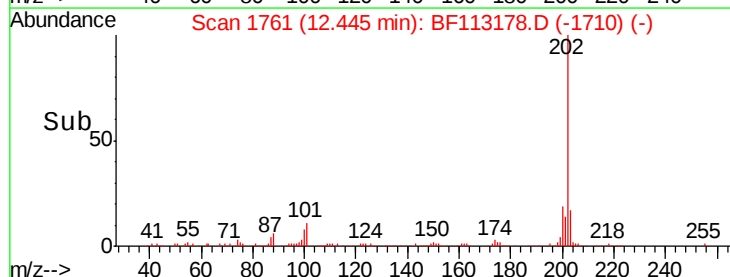
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.9
203	17.5	0.0	38.4

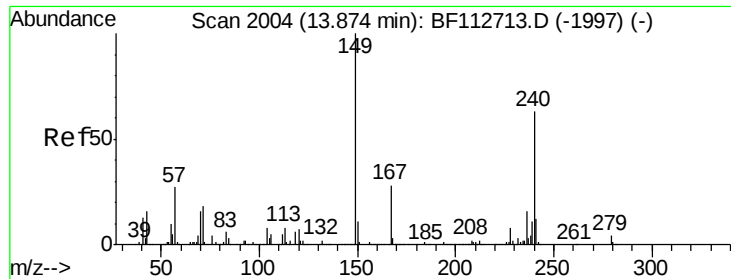


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

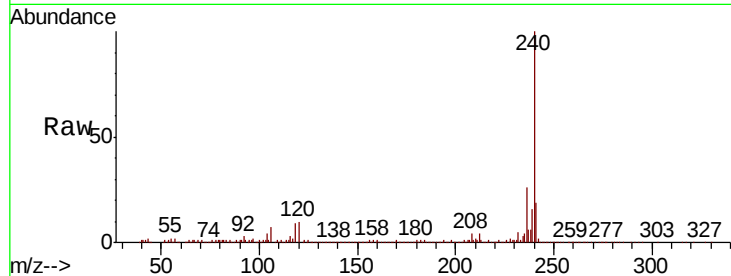




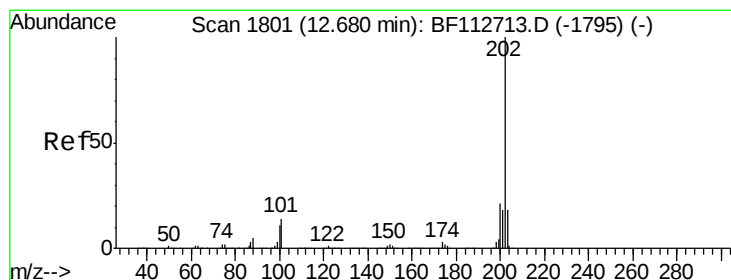
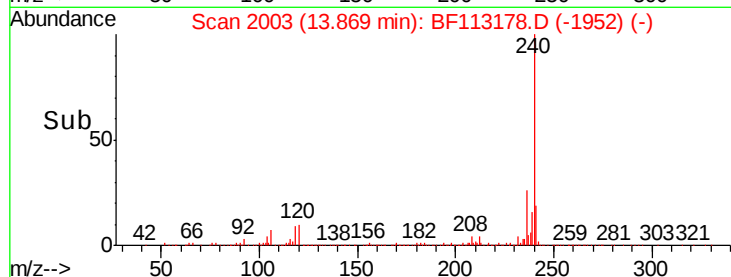
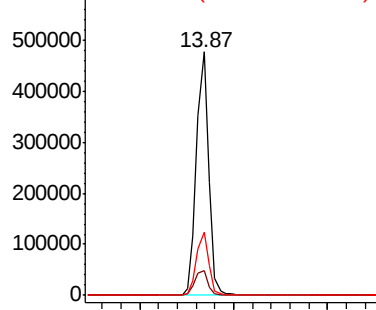
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 435927
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.6 12.8
 236 26.2 21.2 31.8

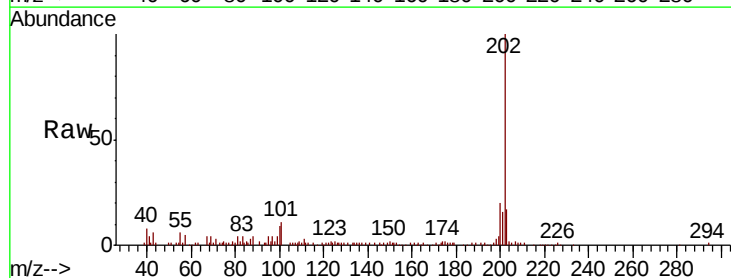


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

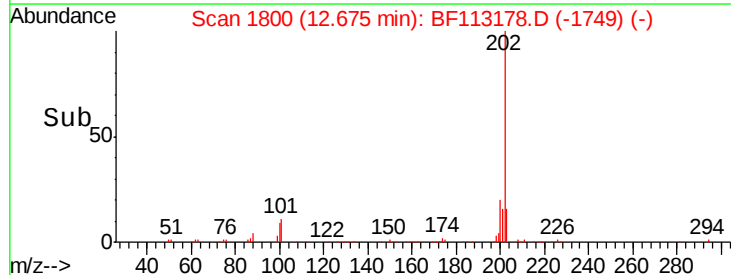
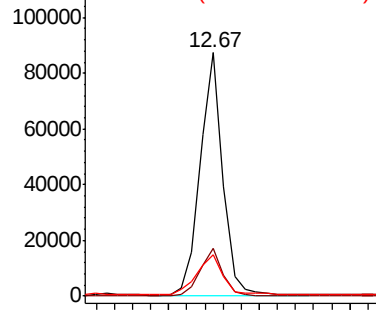


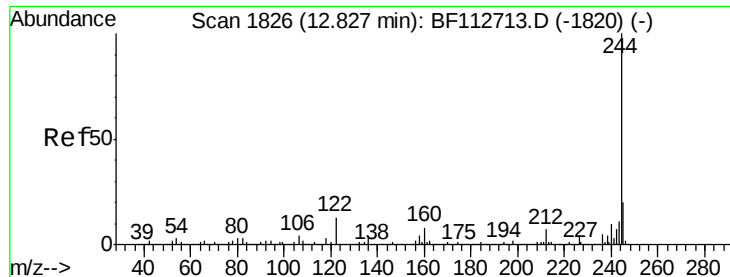
#78
 Pyrene
 Concen: 2.088 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Tgt Ion:202 Resp: 76745
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.1 25.7
 203 17.2 14.6 21.8



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

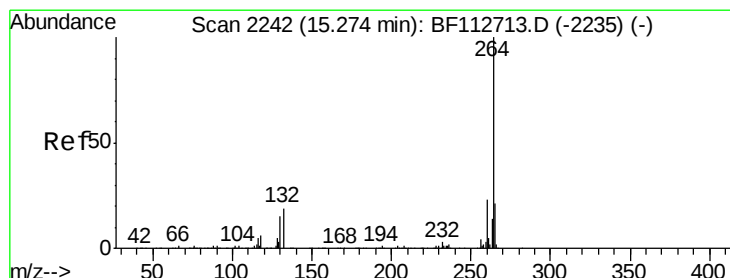
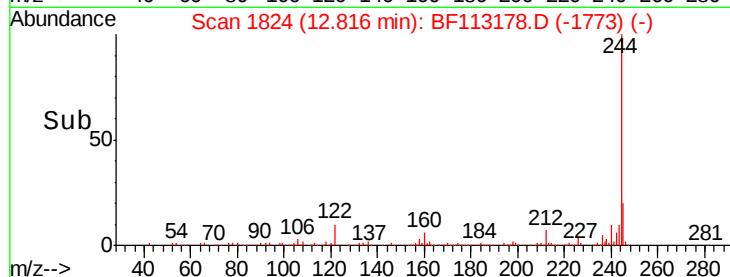
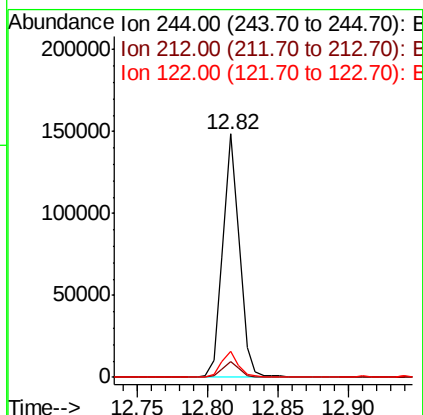
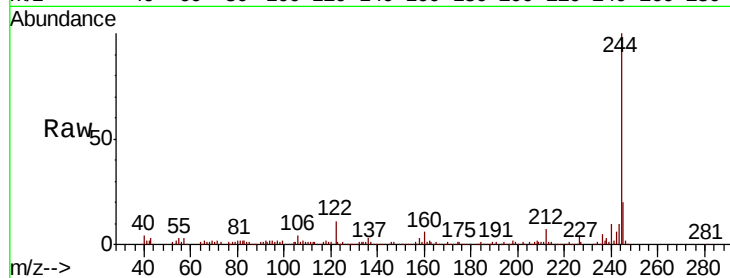




#79
 Terphenyl-d14
 Concen: 5.472 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

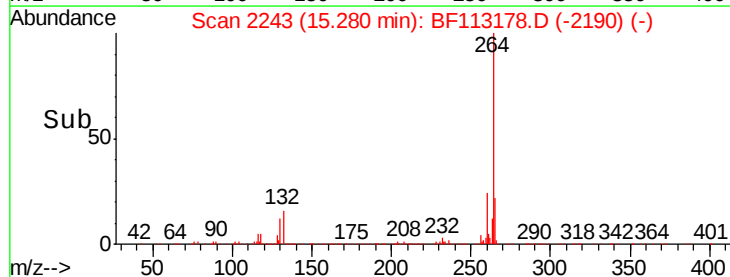
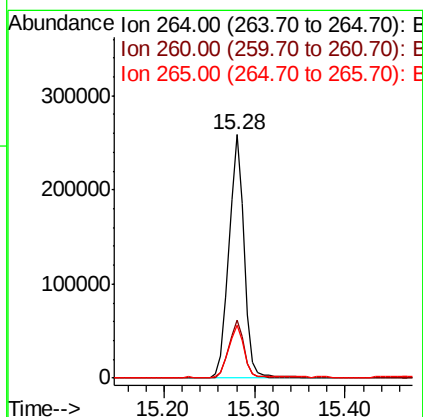
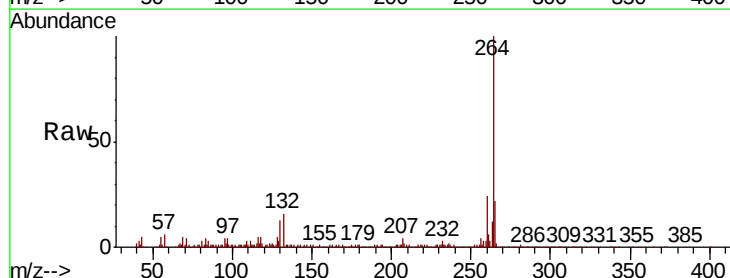
Instrument :
 BNA_F
 ClientSampleId :

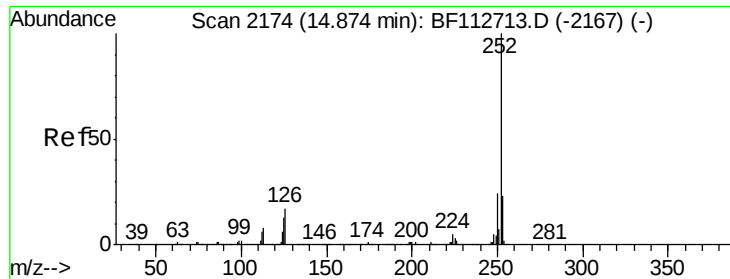
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.7	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF113178.D
 Acq: 20 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.7	26.5

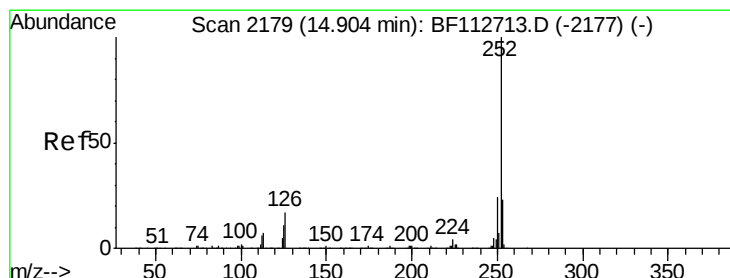
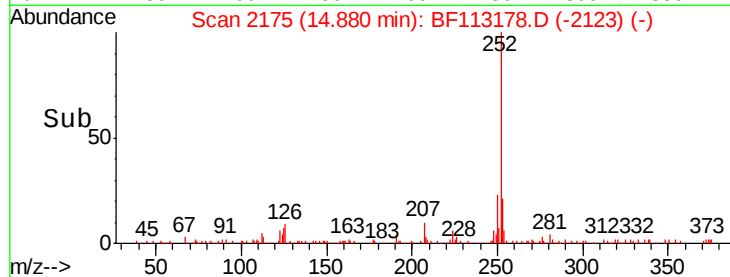
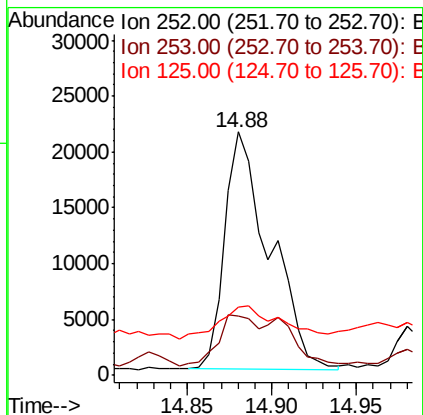
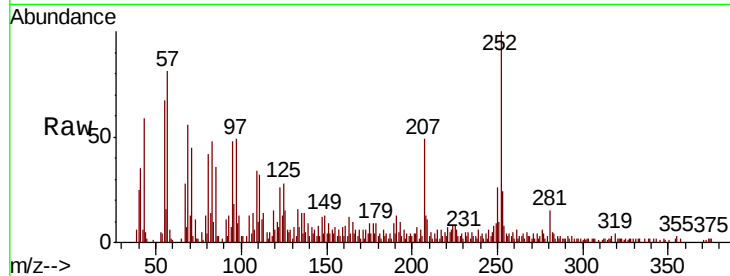




#88
Benzo(b)fluoranthene
Concen: 2.021 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	27.9	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 2.231 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113178.D
Acq: 20 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	27.9	8.2	12.2#

