

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113184.D
 Acq On : 20 Mar 2019 21:26
 Operator : JU/SJ
 Sample : K1984-05 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:23:45 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	110980	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	449476	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	215416	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	395322	20.00	ng	0.00
76) Chrysene-d12	13.87	240	355595	20.00	ng	0.00
87) Perylene-d12	15.28	264	278476	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	52766	7.40	ng	0.00
7) Phenol-d6	6.37	99	75214	8.39	ng	0.00
23) Nitrobenzene-d5	7.28	82	37871	5.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	21352	9.34	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	92473	4.34	ng	0.00
79) Terphenyl-d14	12.82	244	89122	4.86	ng	0.00

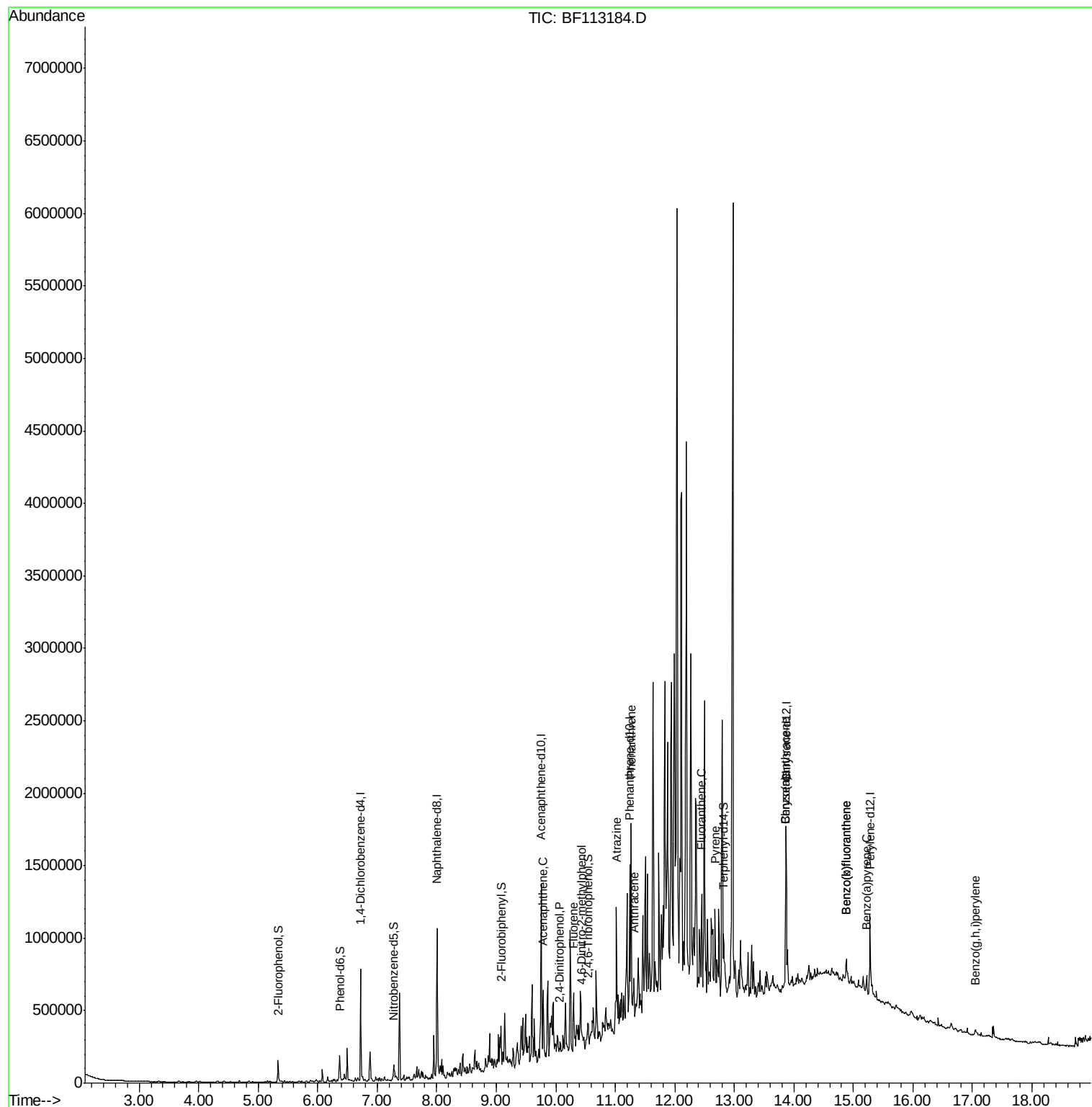
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.79	154	99614	7.313	ng	99
54) 2,4-Dinitrophenol	10.05	184	1408	7.410	ng	# 82
58) Fluorene	10.30	166	51746	3.683	ng	# 94
65) 4,6-Dinitro-2-methylphenol	10.43	198	1633	5.521	ng	# 1
69) Atrazine	11.02	200	10583	2.725	ng	87
71) Phenanthrene	11.26	178	434378	22.085	ng	99
72) Anthracene	11.31	178	103190	5.012	ng	96
75) Fluoranthene	12.45	202	250840	11.903	ng	98
78) Pyrene	12.67	202	250999	8.373	ng	98
81) Benzo(a)anthracene	13.86	228	103083	4.183	ng	96
83) Chrysene	13.86	228	103083	4.270	ng	93
88) Benzo(b)fluoranthene	14.88	252	112114	6.224	ng	# 87
89) Benzo(k)fluoranthene	14.88	252	112114	6.871	ng	# 86
90) Benzo(a)pyrene	15.22	252	62951	3.951	ng	# 87
92) Benzo(a,h,i)perylene	17.06	276	29195	2.139	ng	97

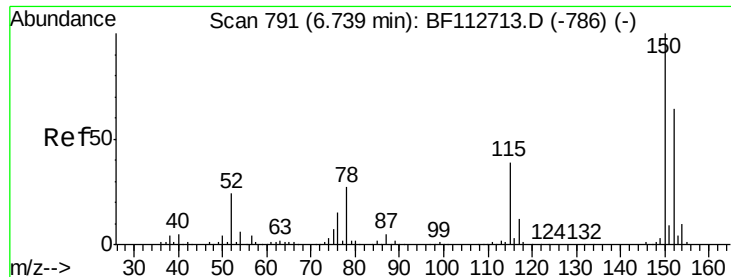
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
Data File : BF113184.D
Acq On : 20 Mar 2019 21:26
Operator : JU/SJ
Sample : K1984-05 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 21 12:23:45 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



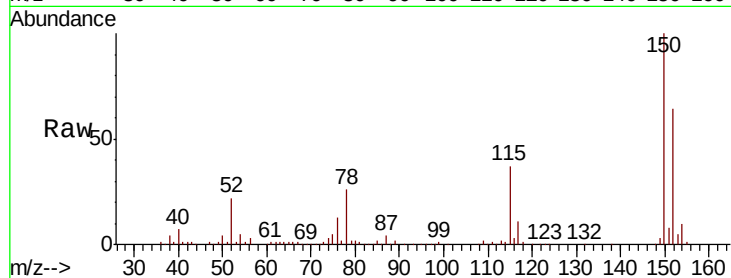


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.0	184.6
115	58.2	45.9	68.9

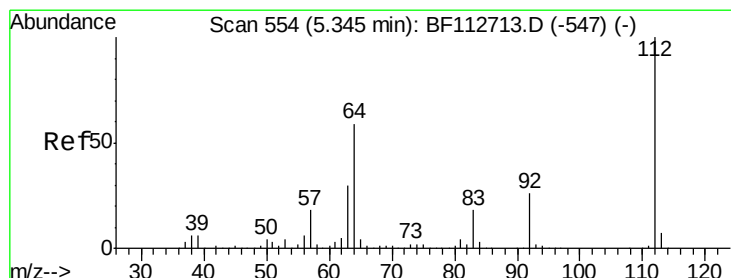
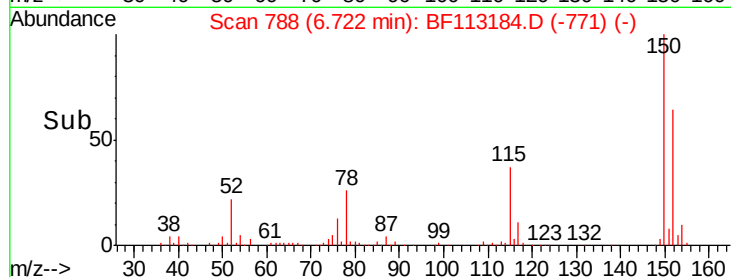
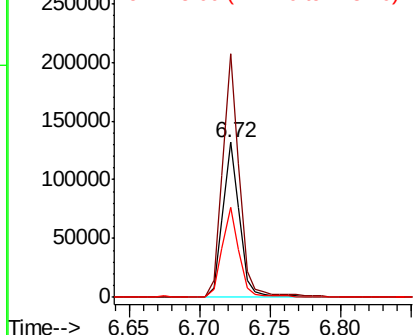


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

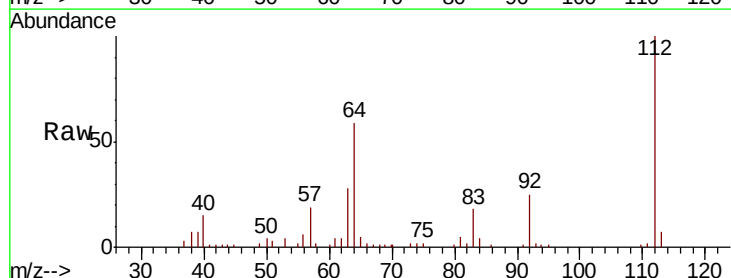
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 7.396 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.3	73.9
63	28.2	25.4	38.2

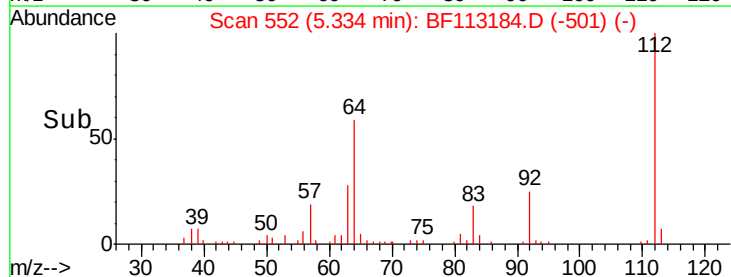
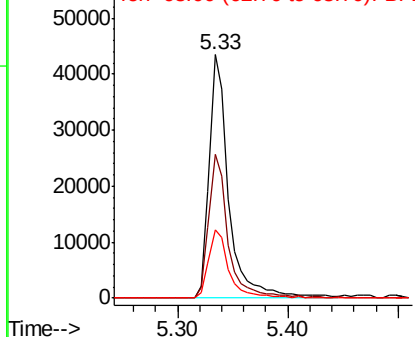


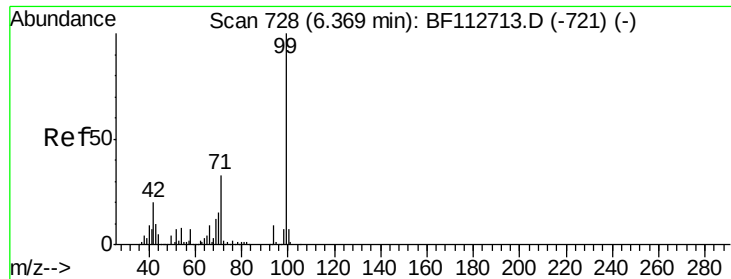
Abundance

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: 8.392 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

Instrument :

BNA_F

ClientSampleId :

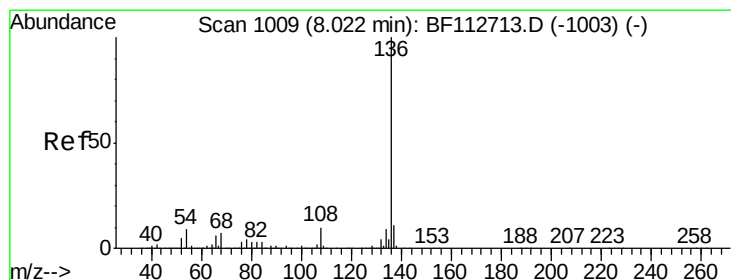
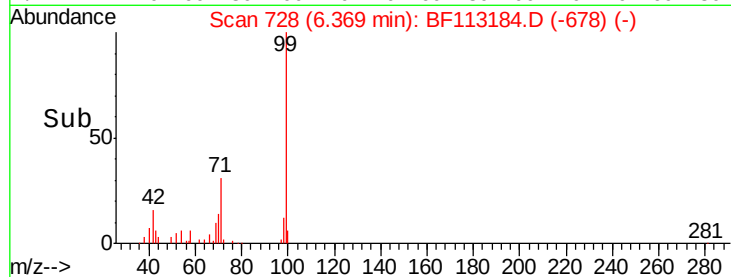
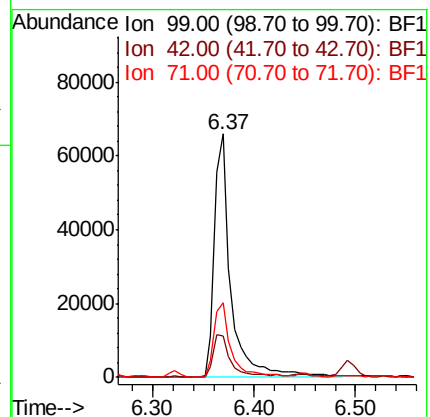
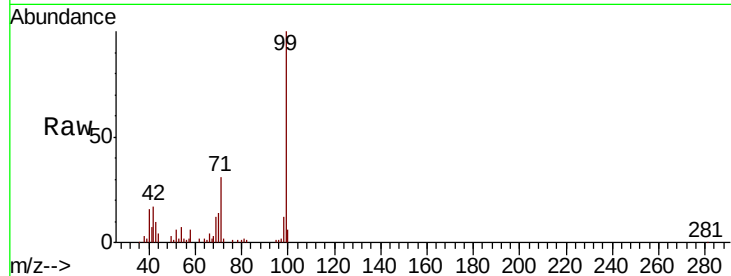
Tot Ion: 99 Resp: 75214

Ion Ratio Lower Upper

99 100

42 16.8 15.2 22.8

71 30.5 25.7 38.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

Tgt Ion: 136 Resp: 449476

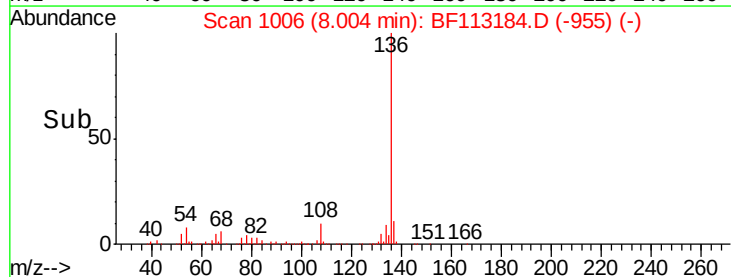
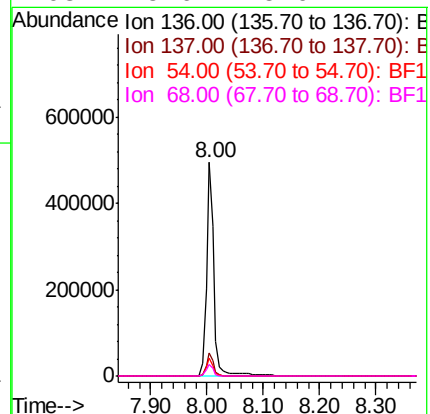
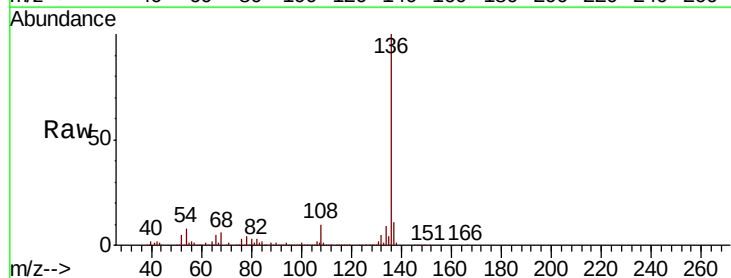
Ion Ratio Lower Upper

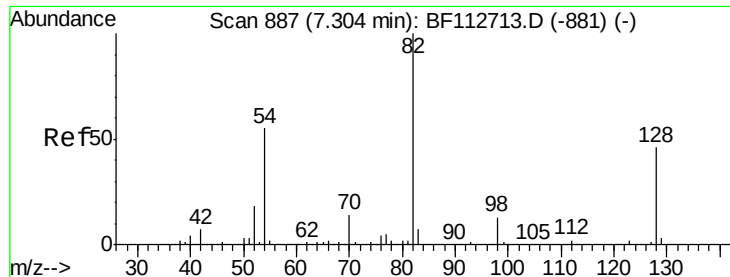
136 100

137 11.0 8.9 13.3

54 8.4 7.0 10.6

68 5.6 5.0 7.4

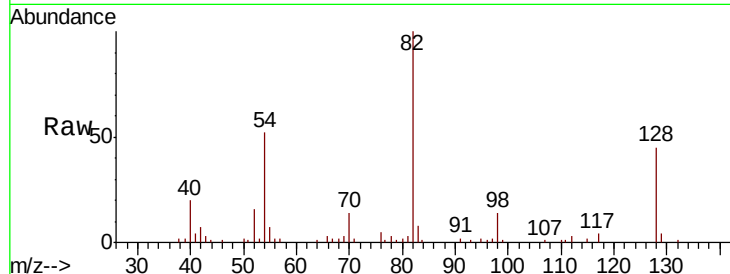




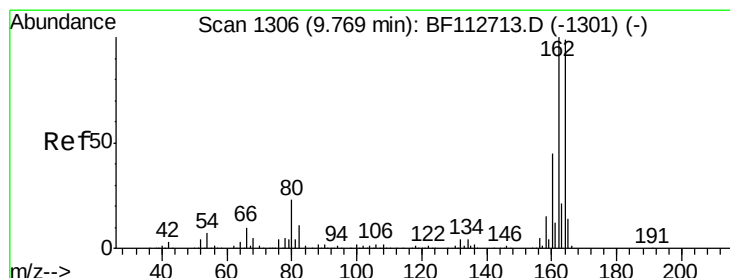
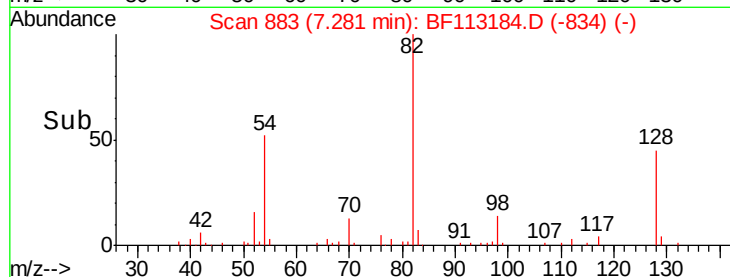
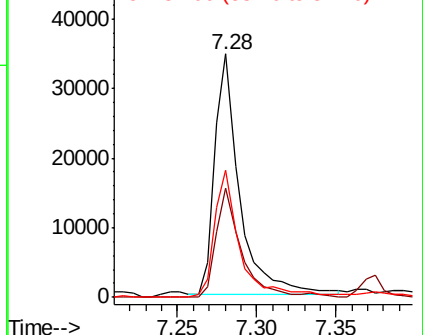
#23
 Nitrobenzene-d5
 Concen: 5.042 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF113184.D
 Acq: 20 Mar 2019 21:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 37871
 Ion Ratio Lower Upper
 82 100
 128 44.9 37.9 56.9
 54 52.2 41.2 61.8

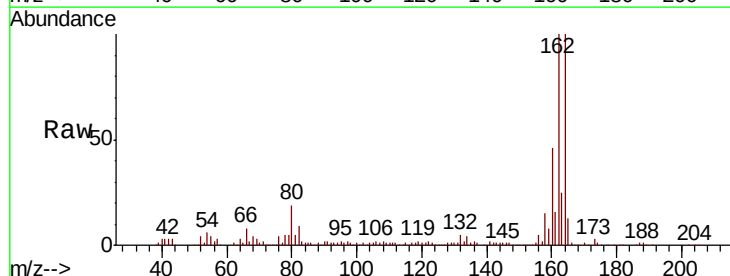


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

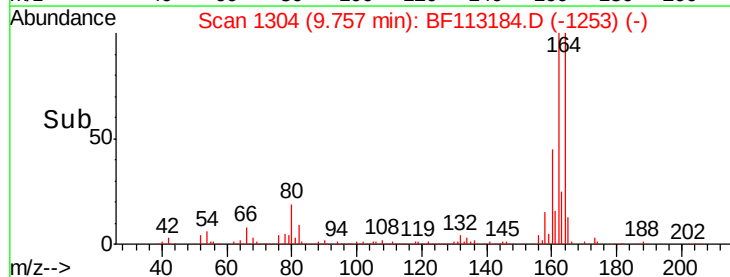
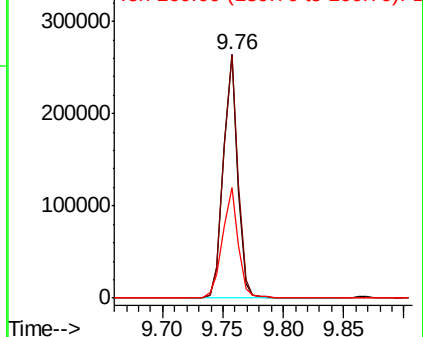


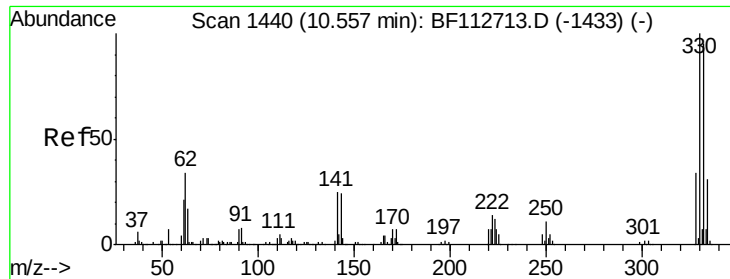
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF113184.D
 Acq: 20 Mar 2019 21:26

Tgt Ion:164 Resp: 215416
 Ion Ratio Lower Upper
 164 100
 162 100.0 80.8 121.2
 160 45.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

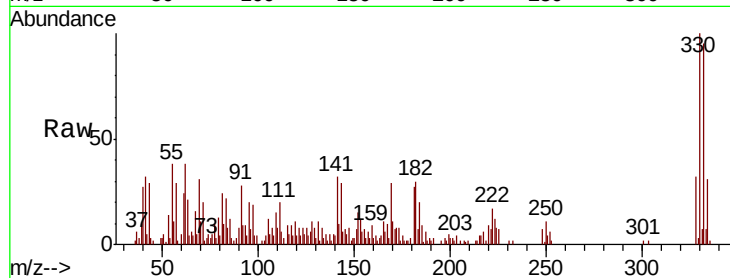




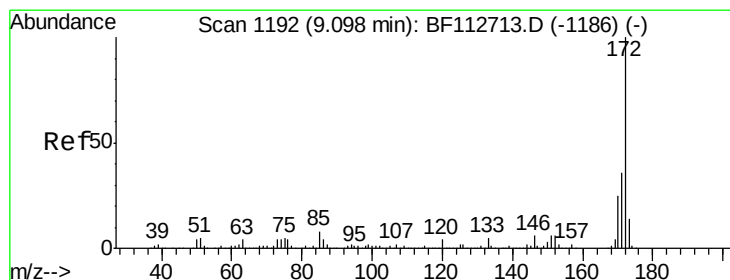
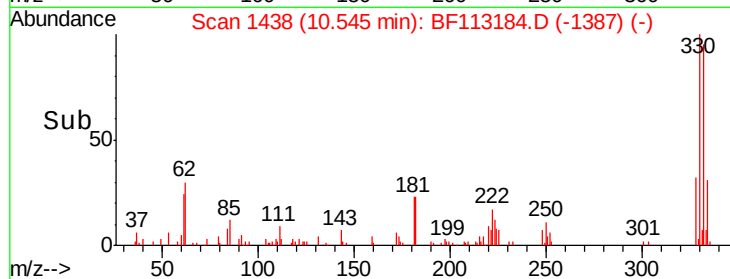
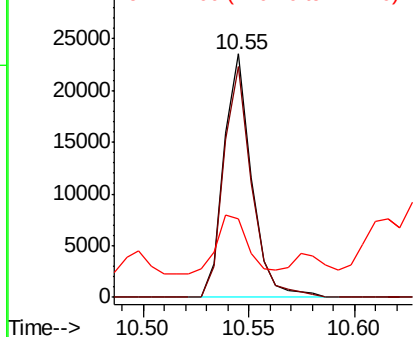
#42
 2,4,6-Tribromophenol
 Concen: 9.337 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF113184.D
 Acq: 20 Mar 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 21352
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.3 114.5
 141 27.3 22.3 33.5

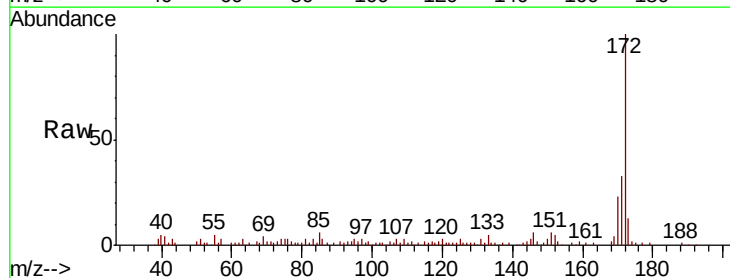


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

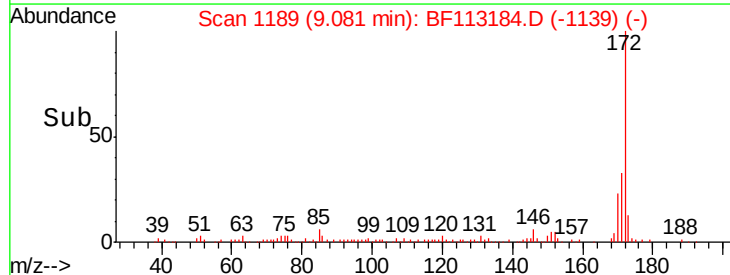
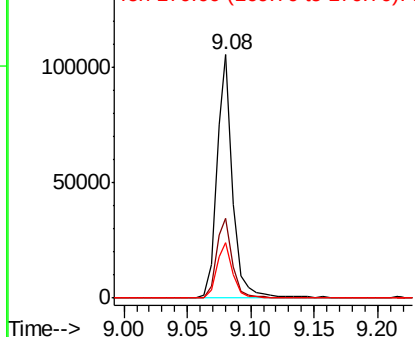


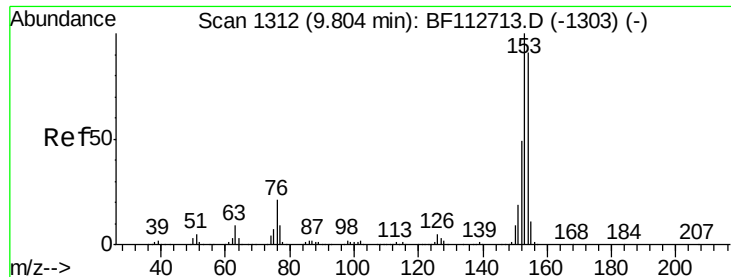
#45
 2-Fluorobiphenyl
 Concen: 4.336 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113184.D
 Acq: 20 Mar 2019 21:26

Tgt Ion:172 Resp: 92473
 Ion Ratio Lower Upper
 172 100
 171 32.8 29.0 43.4
 170 22.7 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





#52

Acenaphthene

Concen: 7.313 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

Instrument :

BNA_F

ClientSampleId :

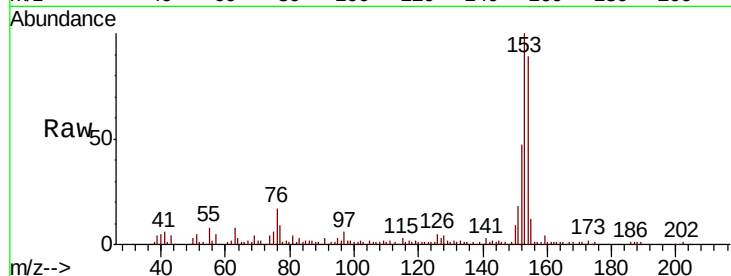
Tot Ion:154 Resp: 99614

Ion Ratio Lower Upper

154 100

153 111.8 89.9 134.9

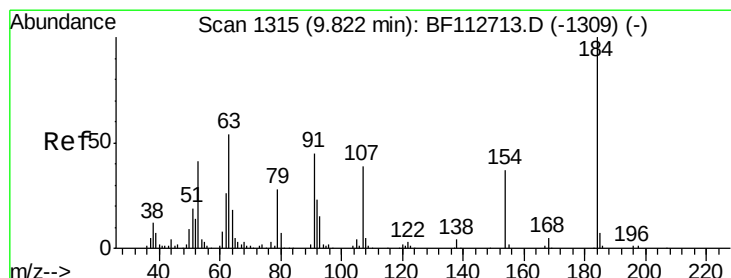
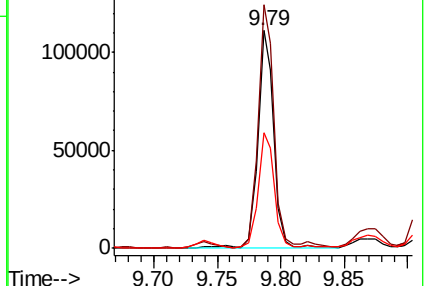
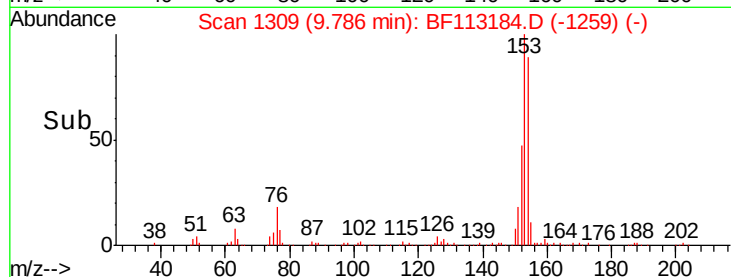
152 52.8 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 7.410 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.23 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

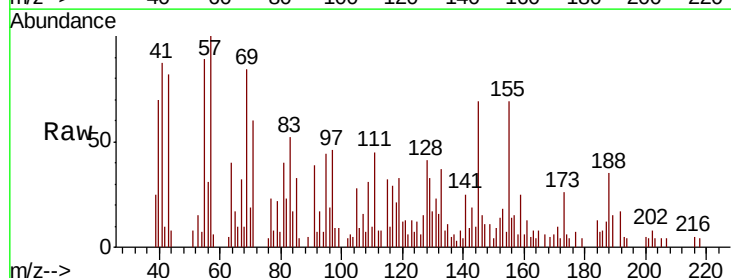
Tgt Ion:184 Resp: 1408

Ion Ratio Lower Upper

184 100

63 41.5 52.1 78.1#

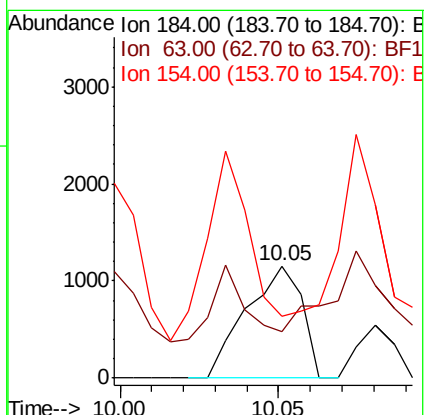
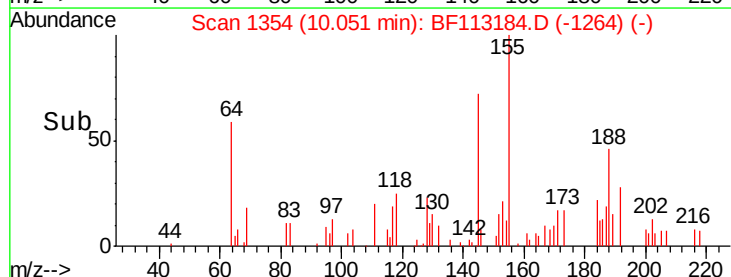
154 54.8 46.2 69.4

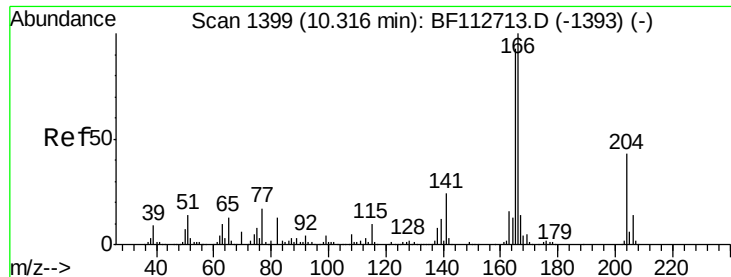


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

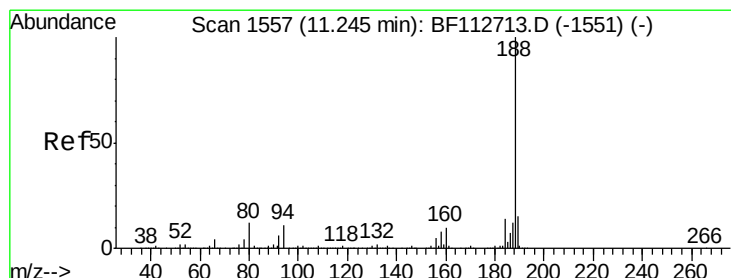
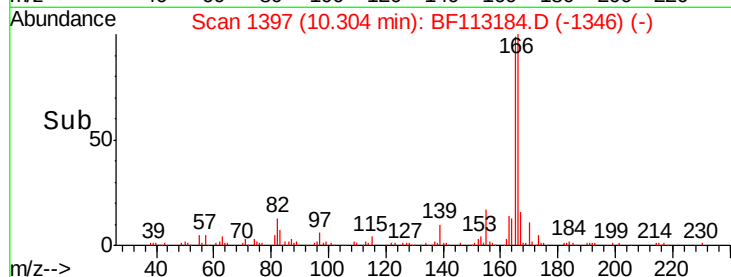
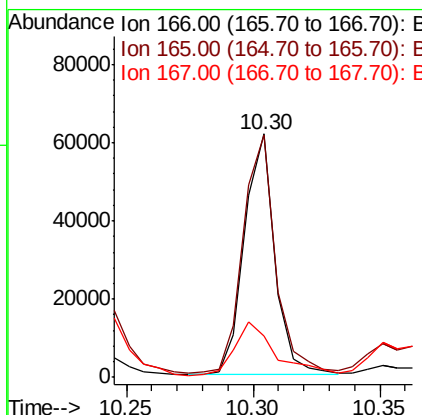
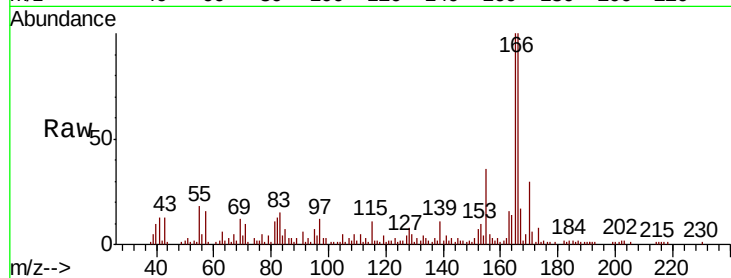




#58
 Fluorene
 Concen: 3.683 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF113184.D
 Acq: 20 Mar 2019 21:26

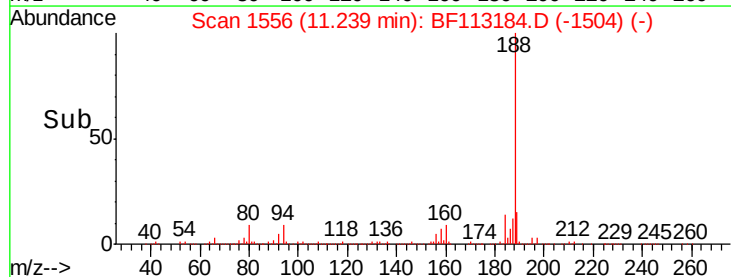
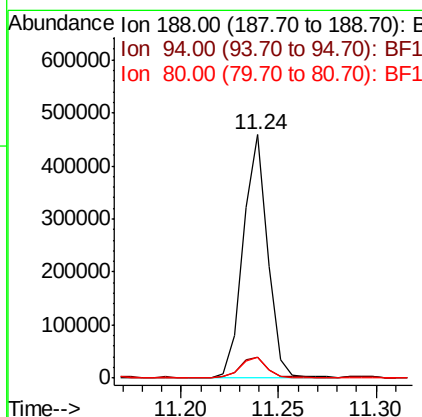
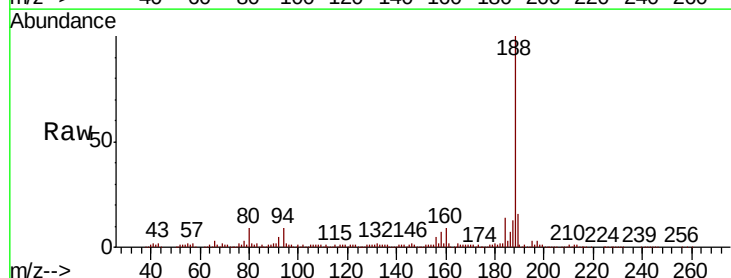
Instrument :
 BNA_F
 ClientSampleId :

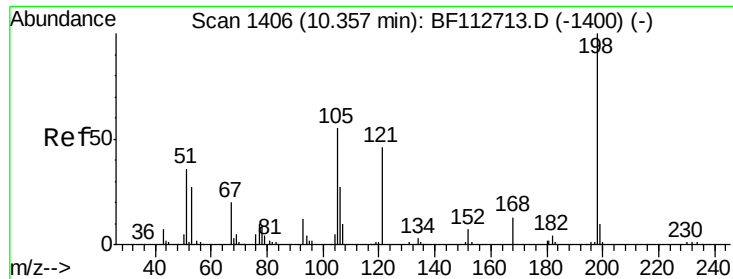
Tot Ion:166 Resp: 51746
 Ion Ratio Lower Upper
 166 100
 165 99.7 75.4 113.2
 167 17.1 11.0 16.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BF113184.D
 Acq: 20 Mar 2019 21:26

Tgt Ion:188 Resp: 395322
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.4 11.2
 80 8.8 7.9 11.9

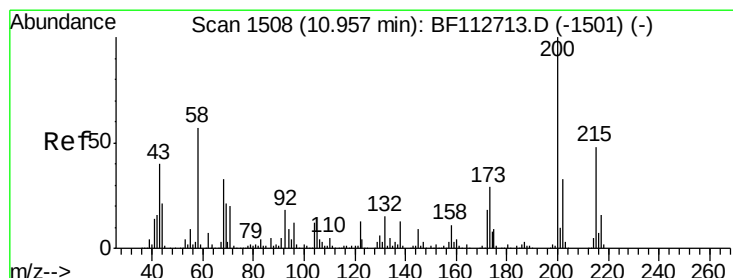
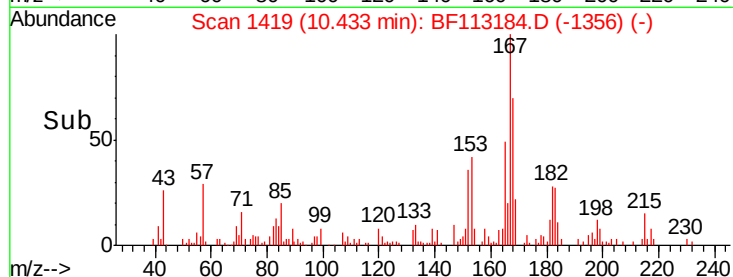
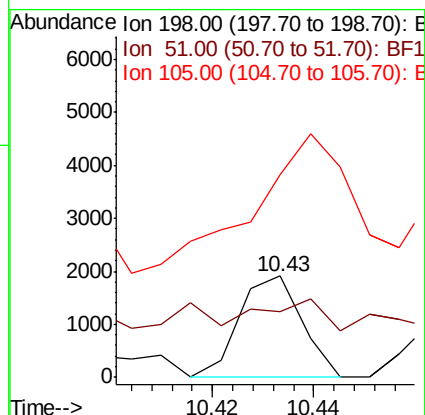
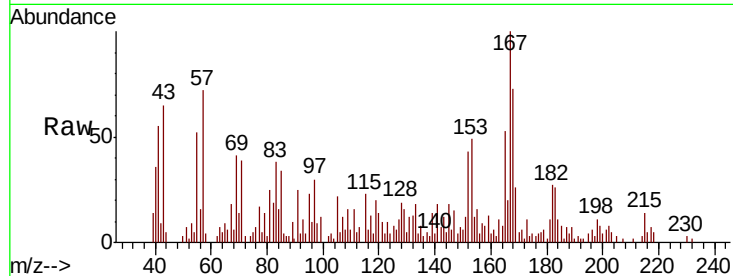




#65
4,6-Dinitro-2-methylphenol
Concen: 5.521 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.07 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

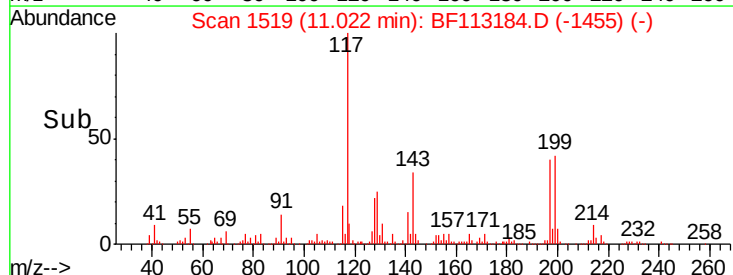
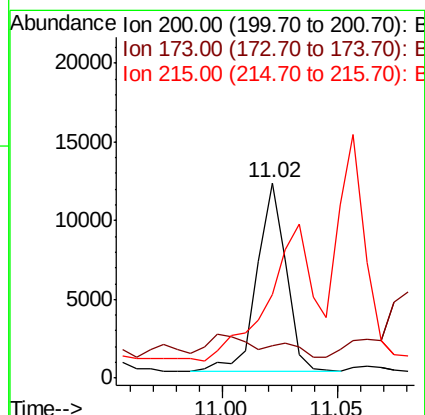
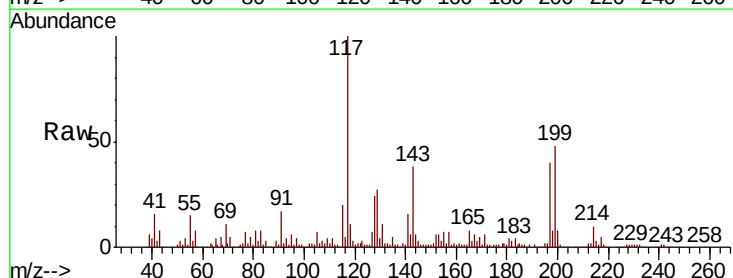
Instrument :
BNA_F
ClientSampled :

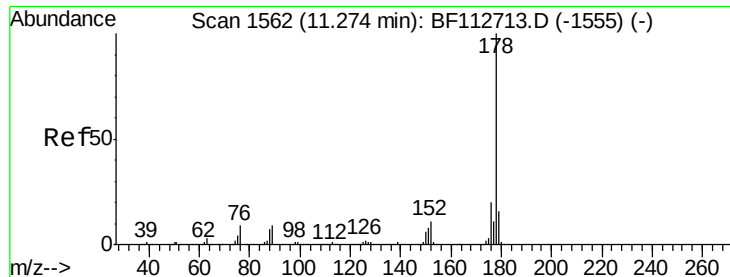
Tot Ion:198 Resp: 1633
Ion Ratio Lower Upper
198 100
51 64.2 25.5 65.5
105 199.8 23.2 63.2#



#69
Atrazine
Concen: 2.725 ng
RT: 11.02 min Scan# 1519
Delta R.T. 0.08 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Tgt Ion:200 Resp: 10583
Ion Ratio Lower Upper
200 100
173 16.7 8.2 48.2
215 42.7 28.3 68.3

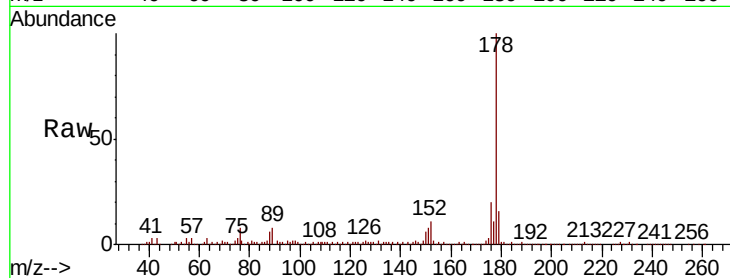




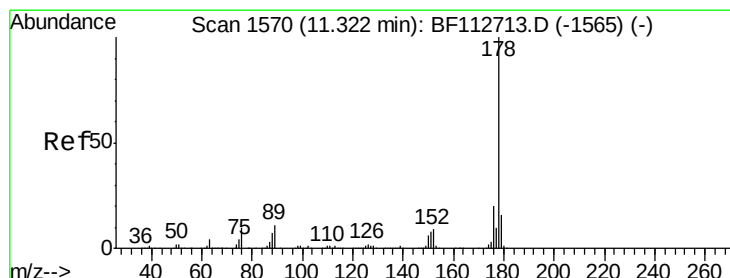
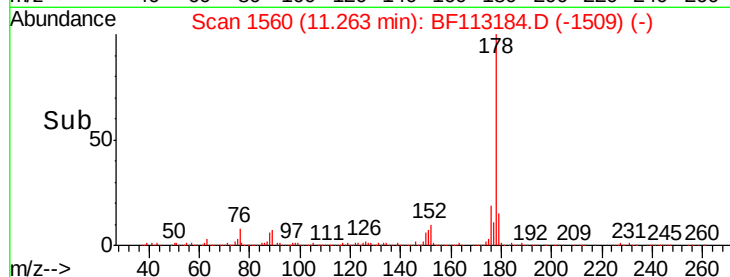
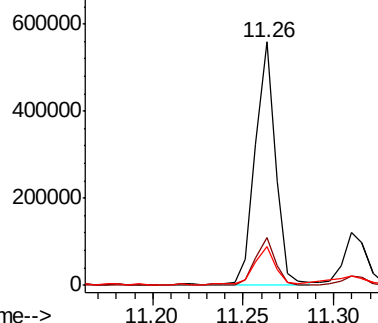
#71
Phenanthrene
Concen: 22.085 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 434378
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.7 13.0 19.4

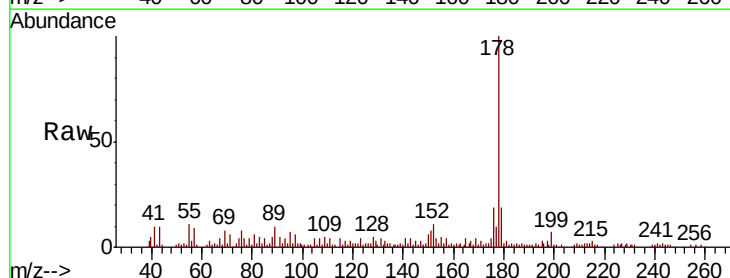


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

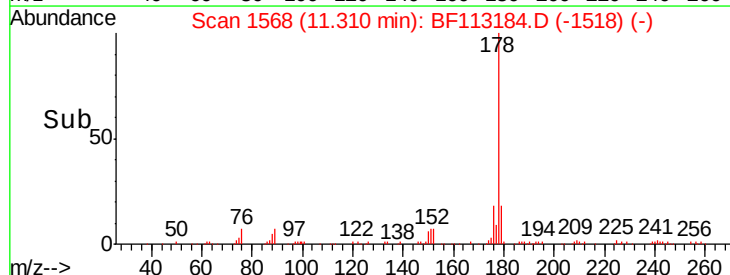
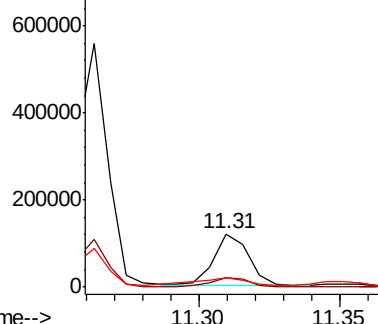


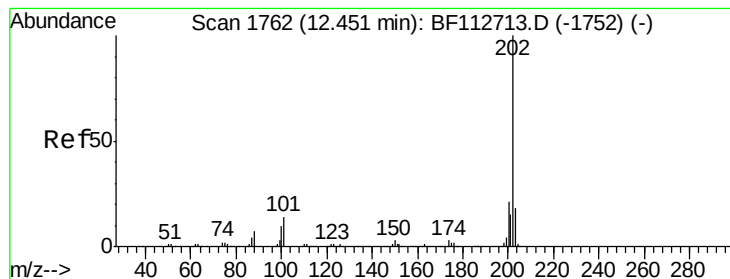
#72
Anthracene
Concen: 5.012 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Tgt Ion:178 Resp: 103190
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 18.5 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: 11.903 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF113184.D

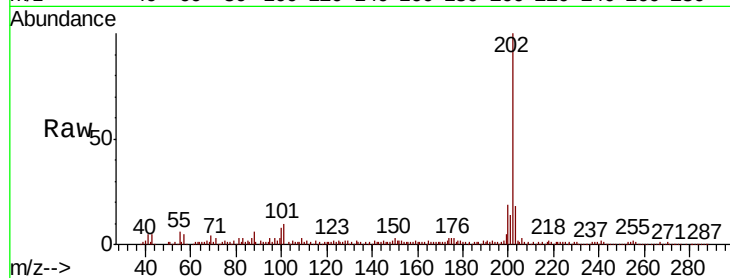
Acq: 20 Mar 2019 21:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	250840
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.9
203	17.9	0.0	38.4

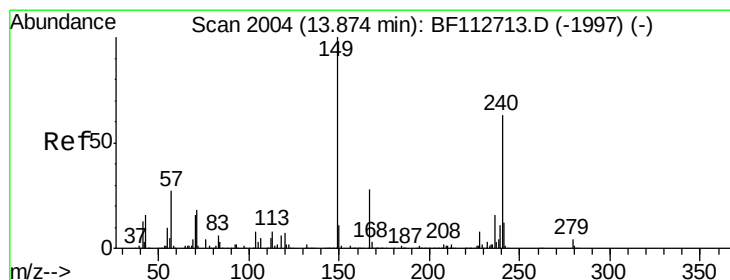
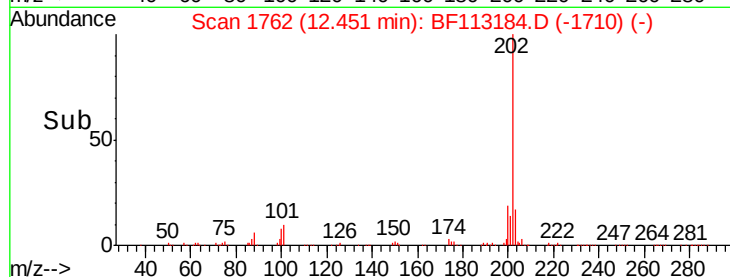
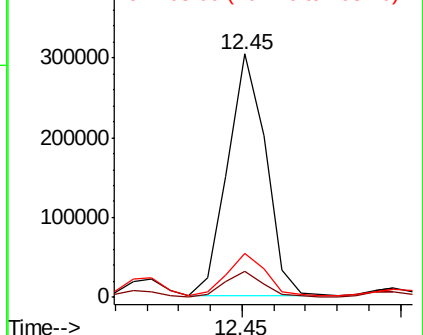


Abundance

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

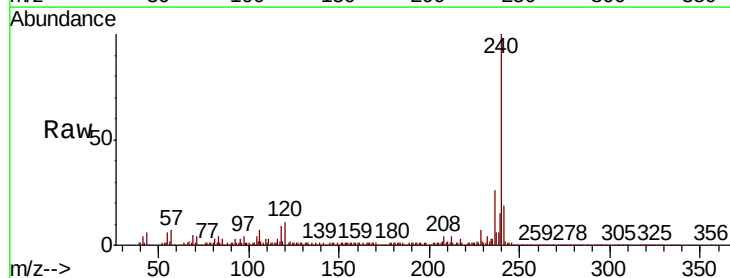
RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

Tgt Ion:	240	Resp:	355595
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	12.8
236	25.8	21.2	31.8

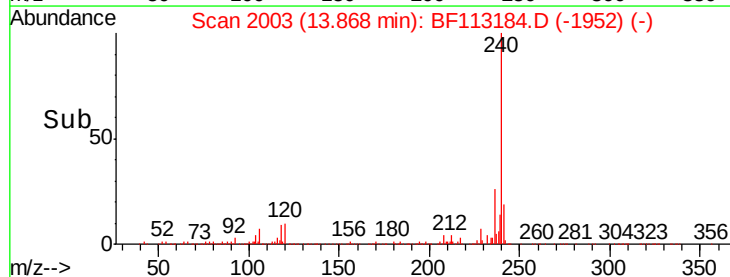
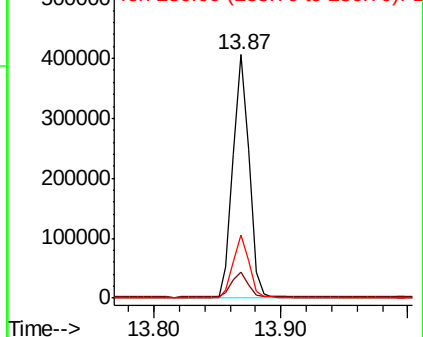


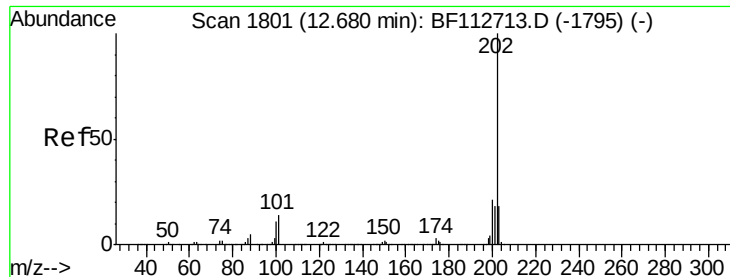
Abundance

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

Pvrene

Concen: 8.373 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

Instrument :

BNA_F

ClientSampleId :

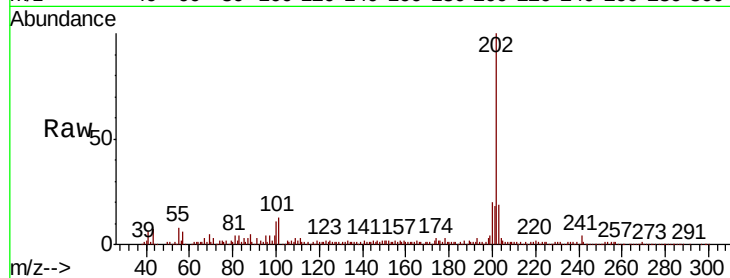
Tot Ion:202 Resp: 250999

Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

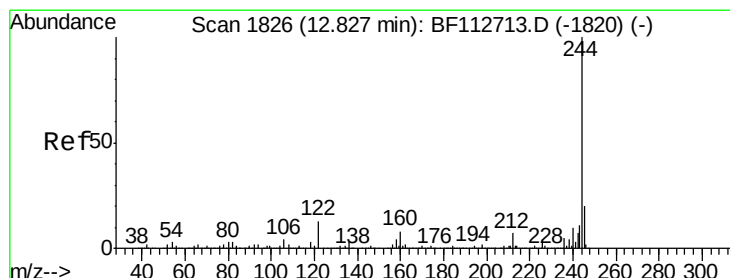
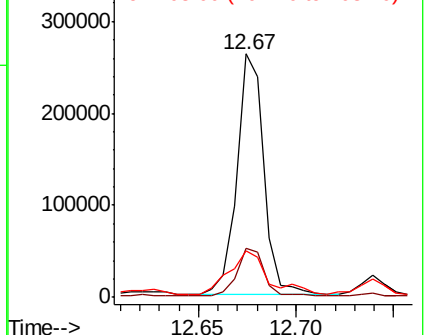
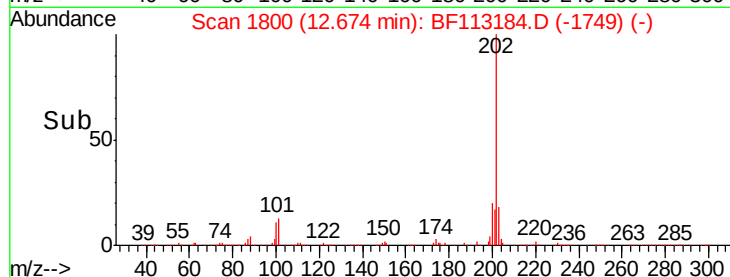
203 18.9 14.6 21.8



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: 4.858 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

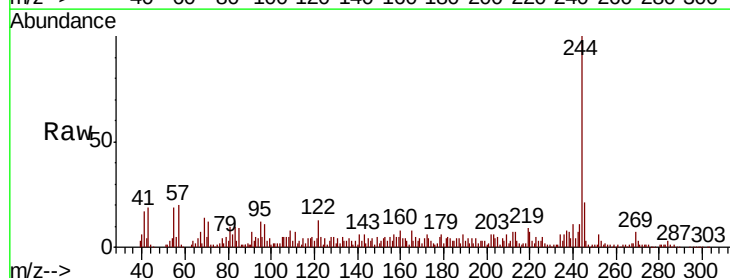
Tgt Ion:244 Resp: 89122

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

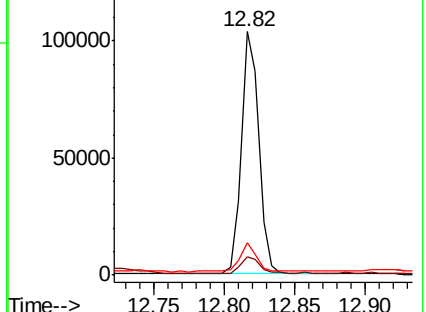
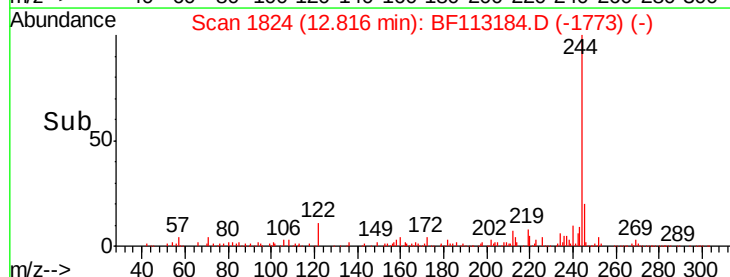
122 13.1 9.4 14.2

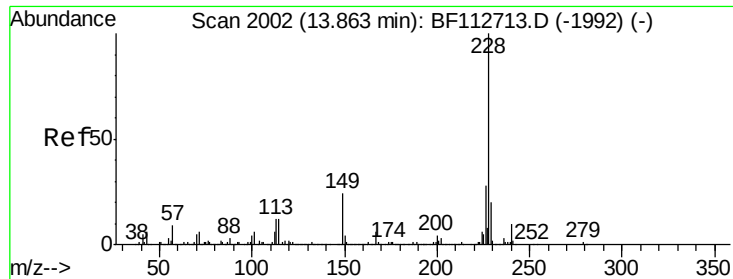


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

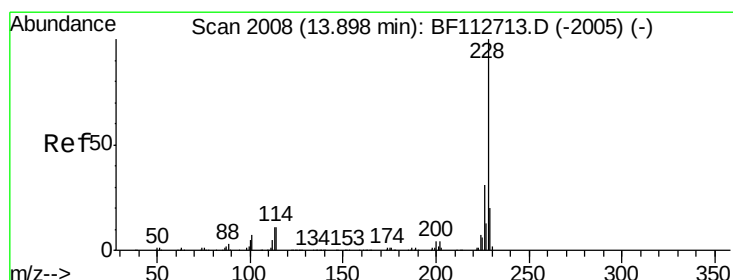
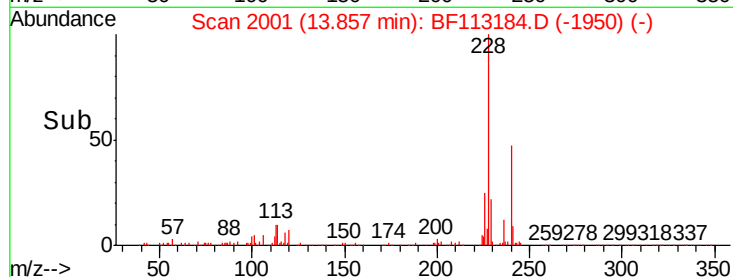
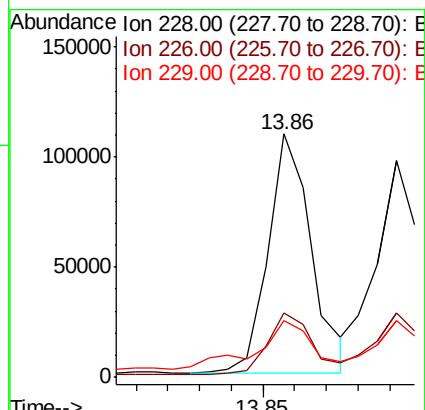
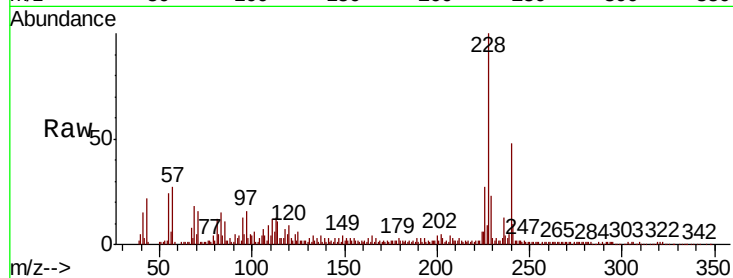




#81
Benzo(a)anthracene
Concen: 4.183 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

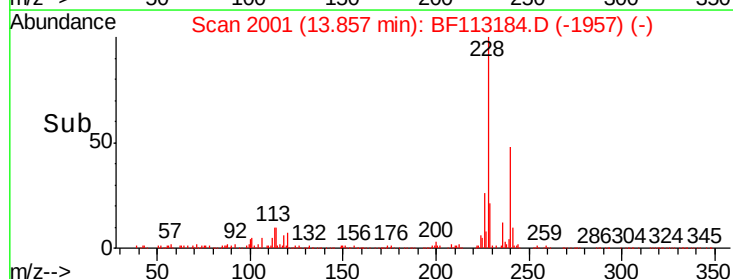
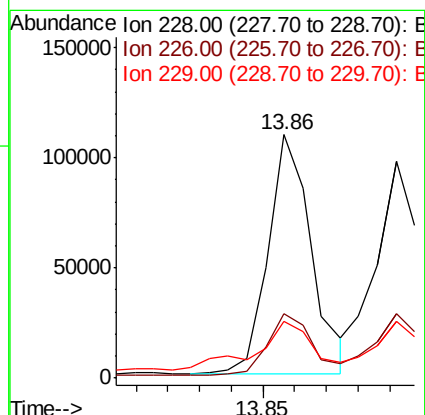
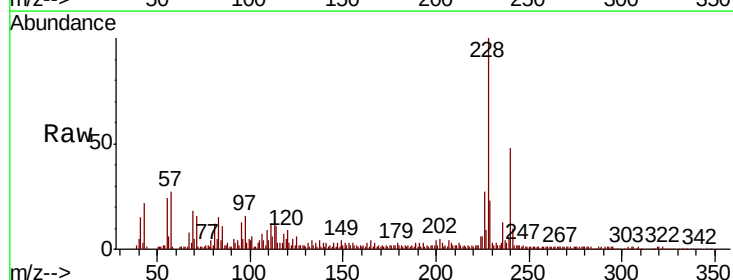
Instrument :
BNA_F
ClientSampleId :

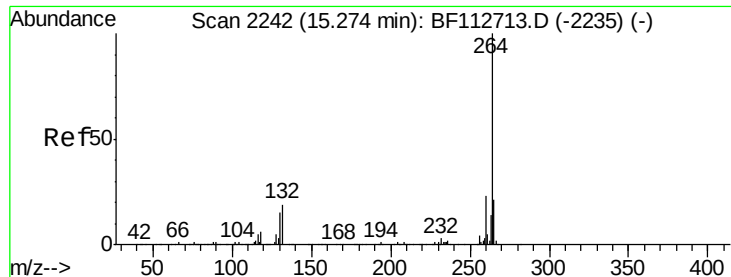
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.0	33.0
229	23.4	16.0	24.0



#83
Chrysene
Concen: 4.270 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.04 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	24.6	36.8
229	23.4	16.2	24.2

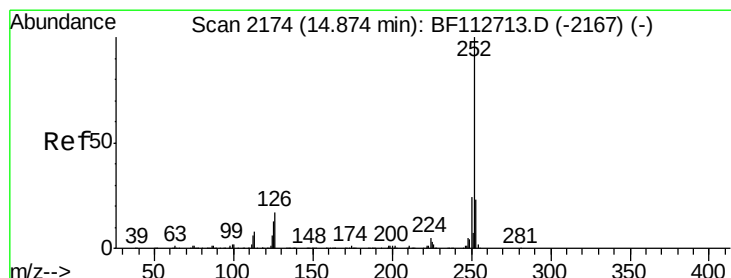
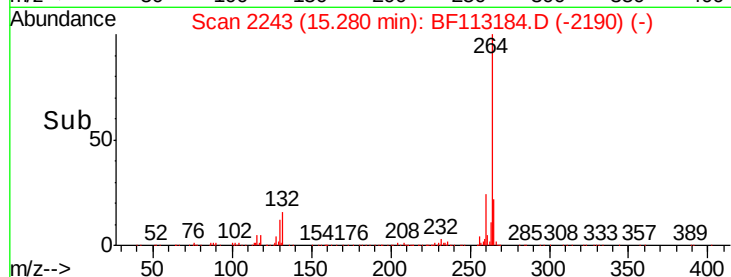
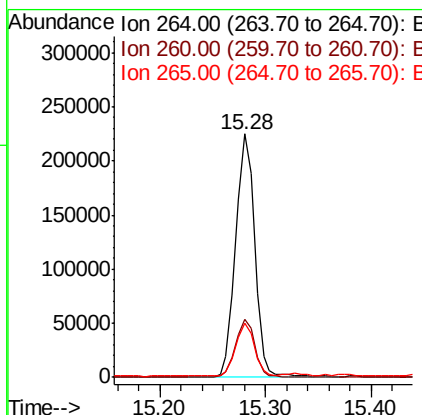
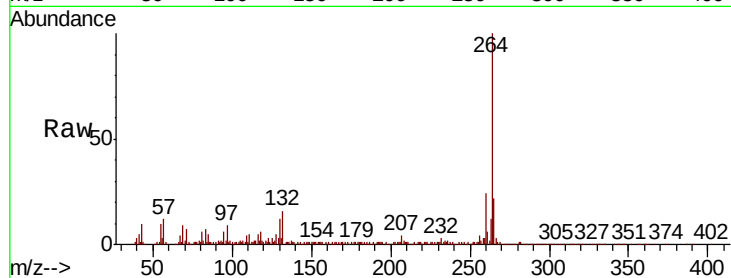




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

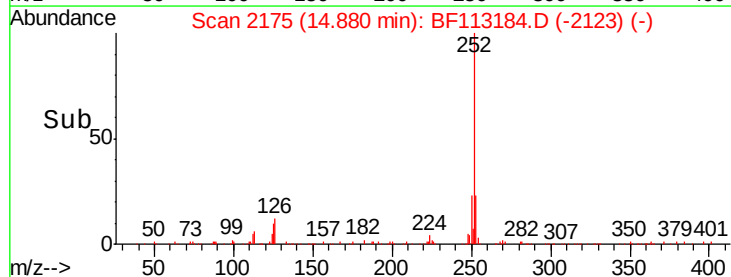
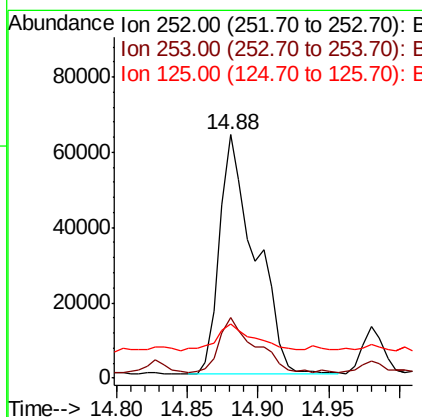
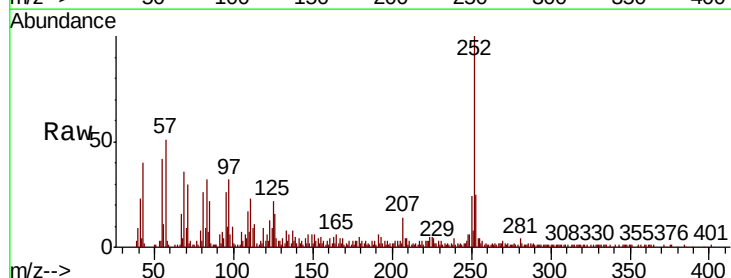
Instrument :
BNA_F
ClientSampleId :

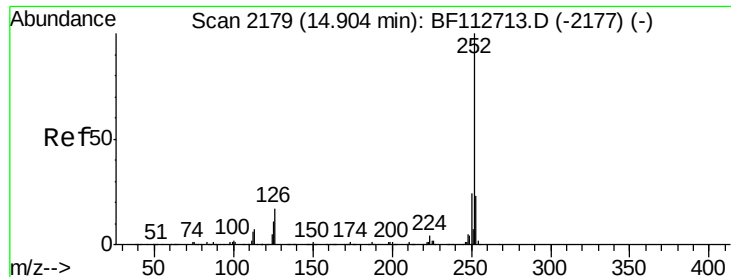
Tot Ion:264 Resp: 278476
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.1 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 6.224 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Tgt Ion:252 Resp: 112114
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.4
125 22.4 8.0 12.0#

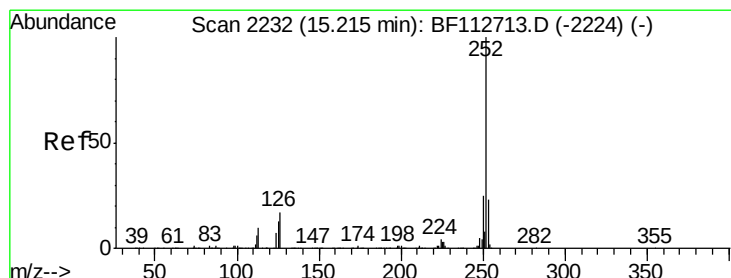
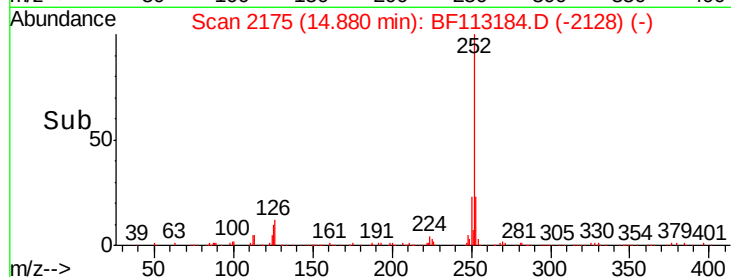
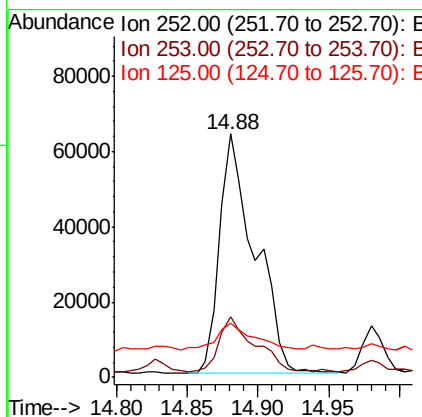
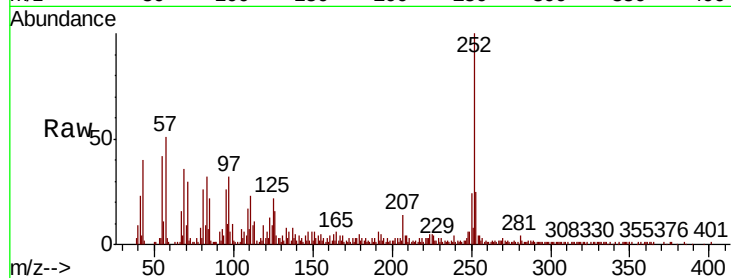




#89
Benzo(k)fluoranthene
Concen: 6.871 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

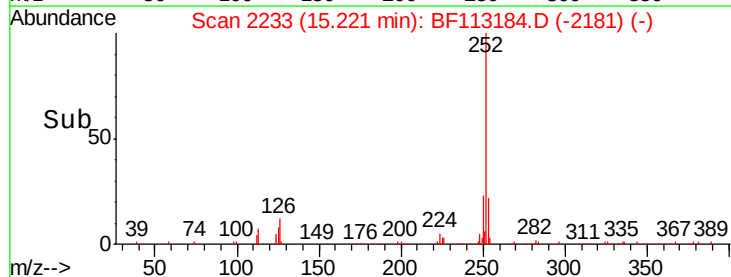
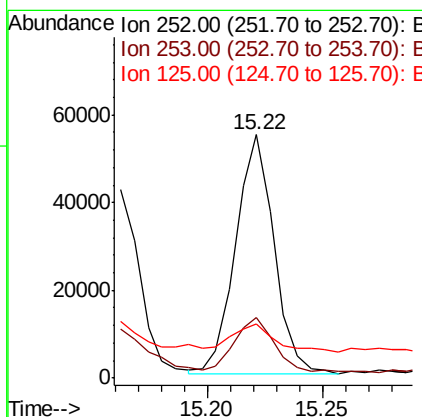
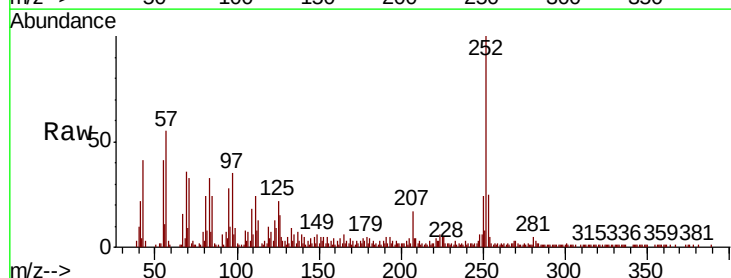
Instrument :
BNA_F
ClientSampleId :

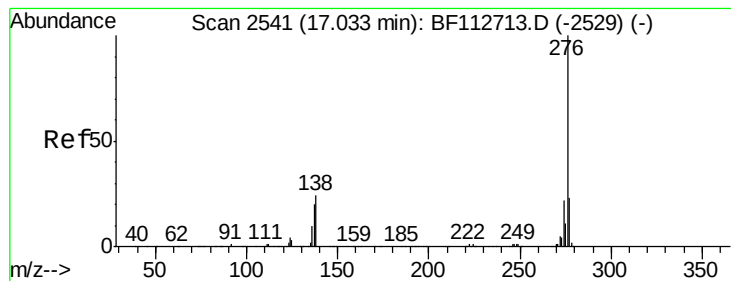
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	22.4	8.2	12.2



#90
Benzo(a)pyrene
Concen: 3.951 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113184.D
Acq: 20 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	22.2	9.1	13.7





#92

Benzo(a,h,i)perylene

Concen: 2.139 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF113184.D

Acq: 20 Mar 2019 21:26

Instrument :

BNA_F

ClientSampleId :

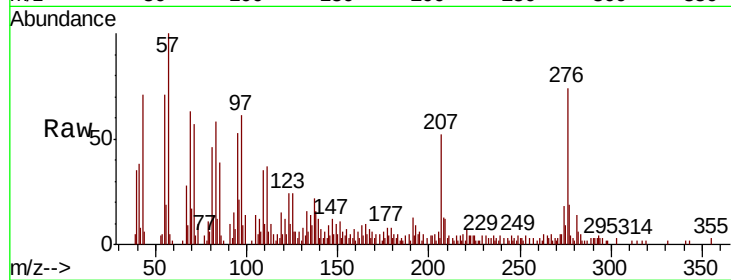
Tot Ion: 276 Resp: 29195

Ion Ratio Lower Upper

276 100

277 25.8 19.4 29.0

138 21.7 16.2 24.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

