

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101406.D
 Acq On : 14 Dec 2017 21:10
 Operator : SJ/JU
 Sample : I6840-01 100X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 23:47:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	183536	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	746219	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	324702	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	591804	20.00	ng	0.00
75) Chrysene-d12	13.99	240	400044	20.00	ng	-0.01
86) Perylene-d12	15.46	264	334496	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	8537	0.69	ng	0.04
7) Phenol-d6	6.49	99	17270	1.13	ng	0.04
23) Nitrobenzene-d5	7.40	82	9967	0.74	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	2644	0.85	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	17663	0.84	ng	0.00
78) Terphenyl-d14	12.93	244	16863	1.02	ng	0.00

Target Compounds

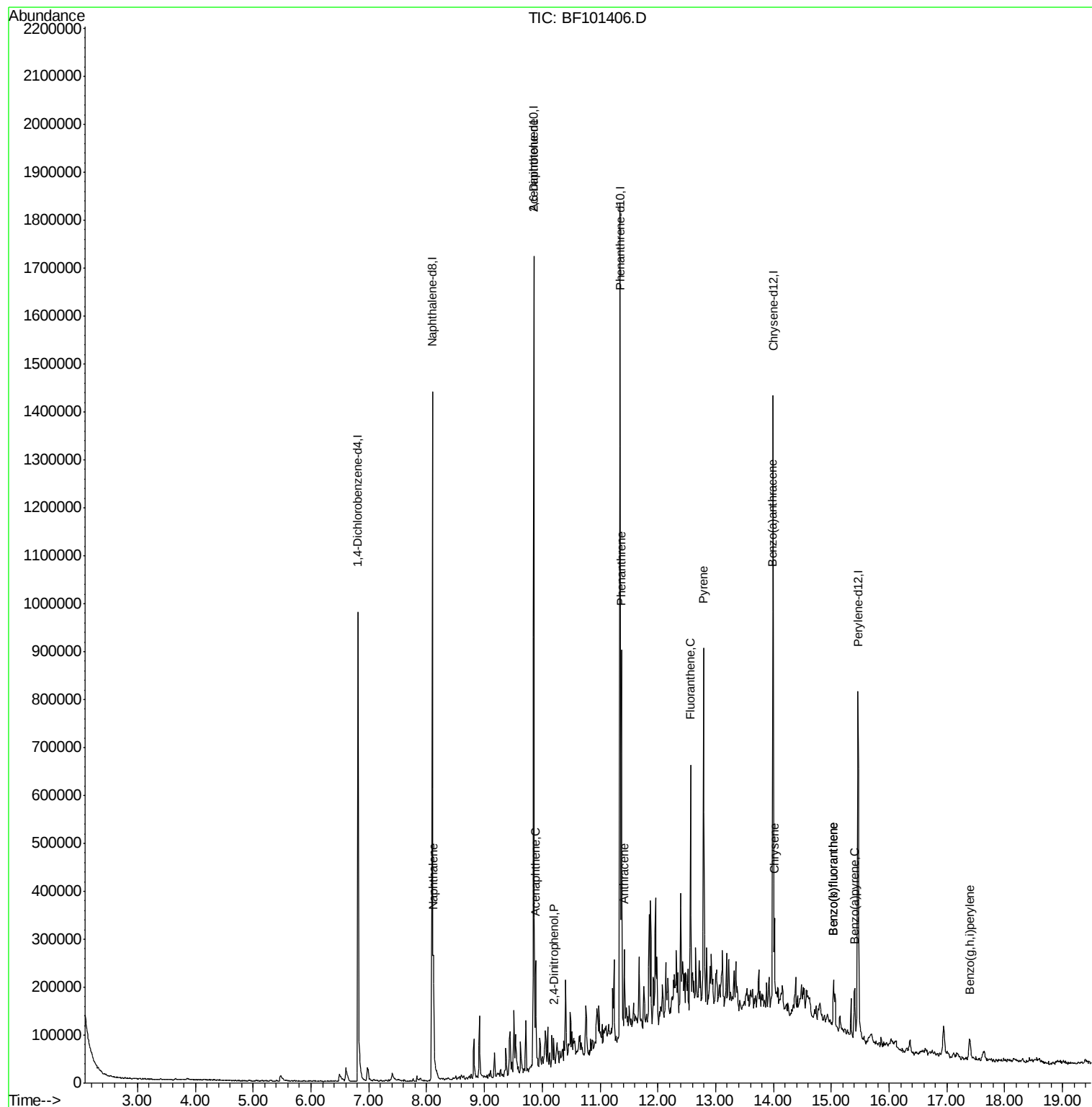
						Qvalue
31) Naphthalene	8.12	128	88346	2.352	ng	98
50) 2,6-Dinitrotoluene	9.85	165	43493	8.193	ng	# 26
51) Acenaphthene	9.89	154	45207	2.162	ng	97
53) 2,4-Dinitrophenol	10.21	184	267	10.446	ng	# 55
70) Phenanthrene	11.37	178	276372	8.398	ng	99
71) Anthracene	11.42	178	69412	2.065	ng	98
74) Fluoranthene	12.56	202	196647	5.693	ng	97
77) Pyrene	12.79	202	289385	9.639	ng	99
80) Benzo(a)anthracene	13.98	228	74547	2.822	ng	# 92
82) Chrysene	14.02	228	67643	2.712	ng	# 95
87) Benzo(b)fluoranthene	15.04	252	78151	3.833	ng	# 96
88) Benzo(k)fluoranthene	15.04	252	78151	3.942	ng	99
89) Benzo(a)pyrene	15.40	252	51054	2.716	ng	98
91) Benzo(a,h,i)perylene	17.39	276	36595	2.290	ng	95

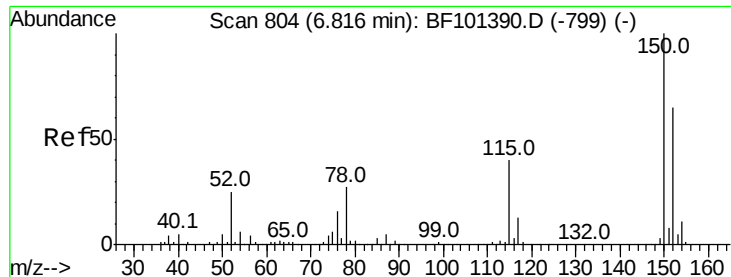
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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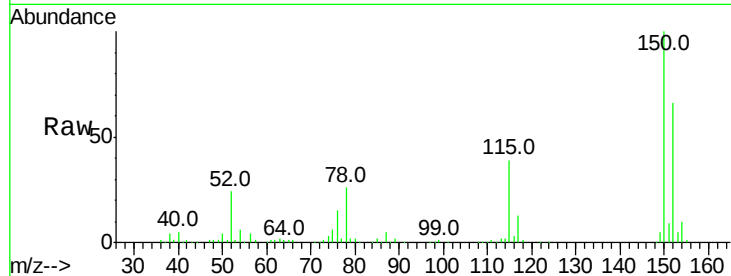


#1

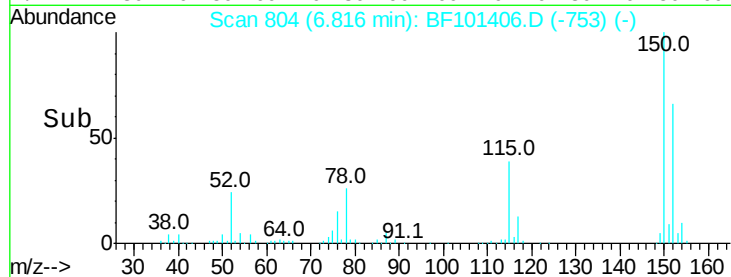
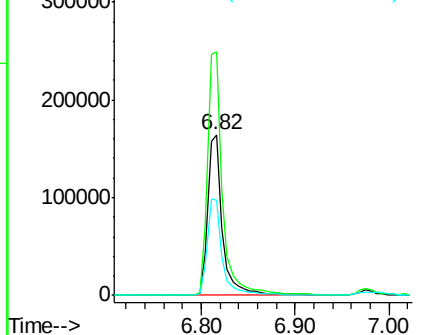
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 183536
Ion Ratio Lower Upper
152 100
150 151.5 124.6 186.8
115 59.0 50.1 75.1



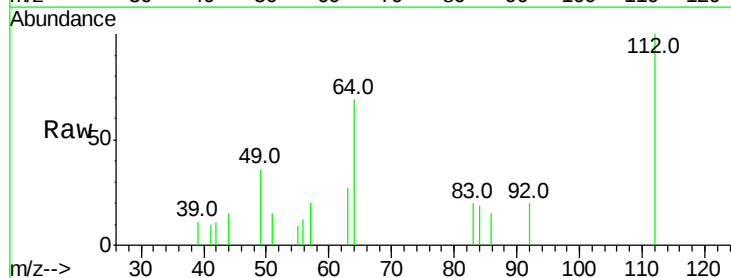
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



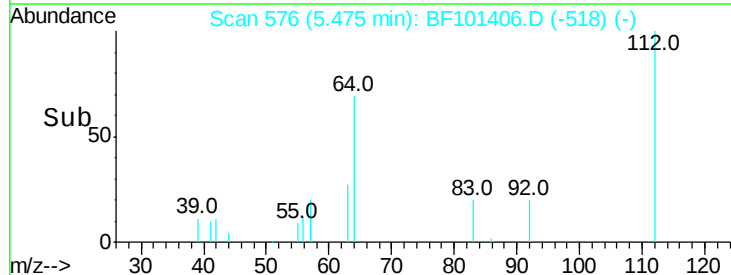
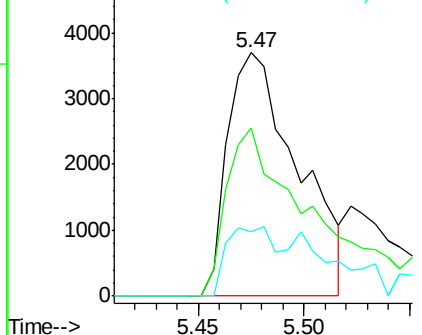
#5

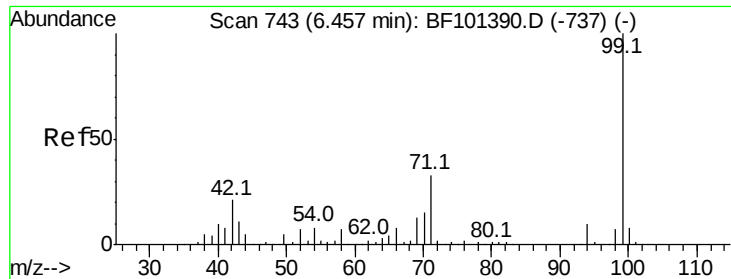
2-Fluorophenol
Concen: 0.693 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.04 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion:112 Resp: 8537
Ion Ratio Lower Upper
112 100
64 69.2 47.9 71.9
63 26.6 23.7 35.5



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: 1.126 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.04 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

ClientSampleId :

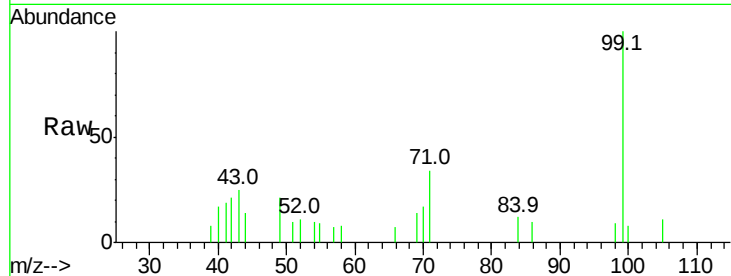
Tot Ion: 99 Resp: 17270

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

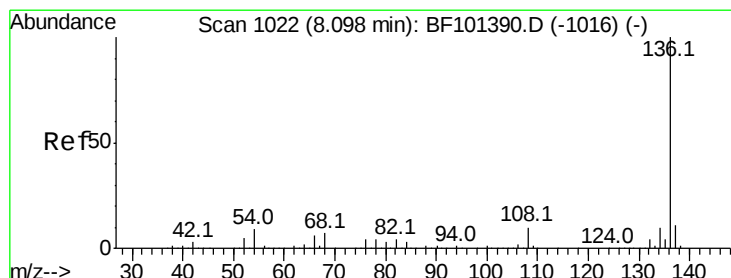
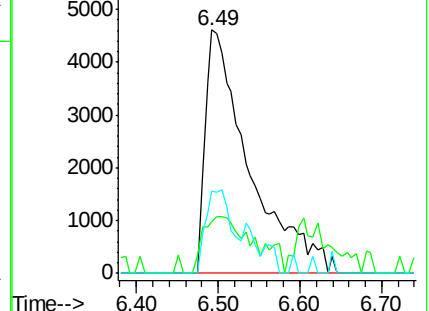
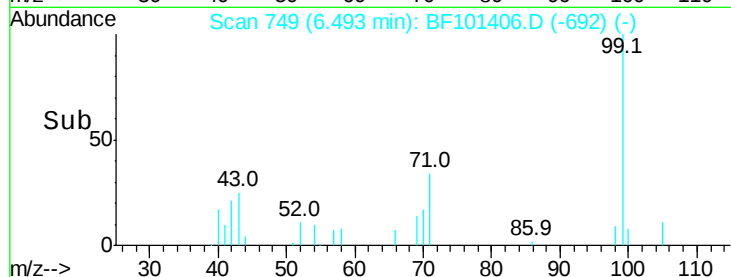
71 33.6 25.4 38.0



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: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Tgt Ion: 136 Resp: 746219

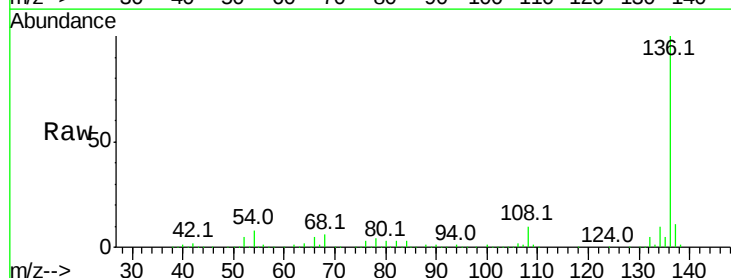
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.5 6.6 9.8

68 6.3 5.0 7.4

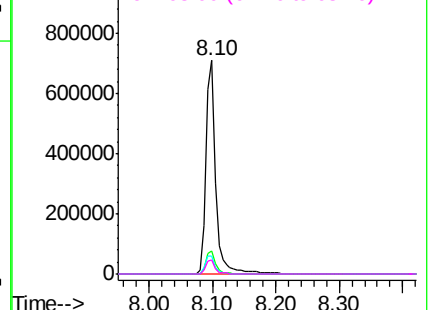
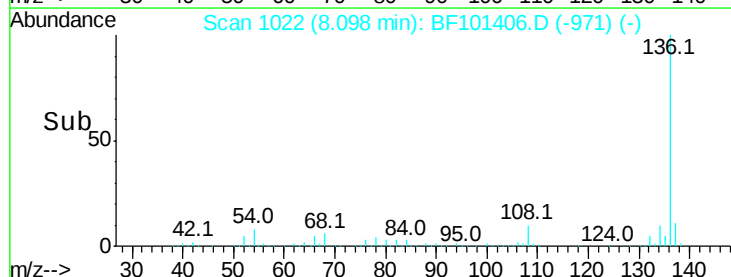


Abundance Ion 136.00 (135.70 to 136.70): E

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

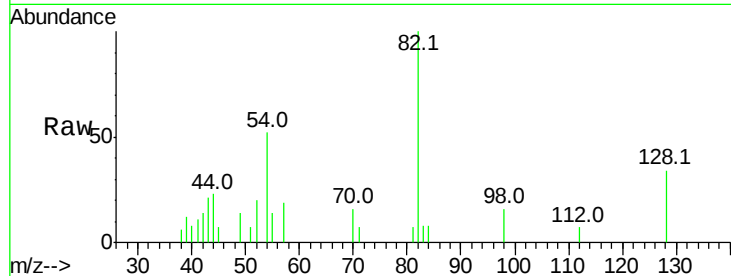




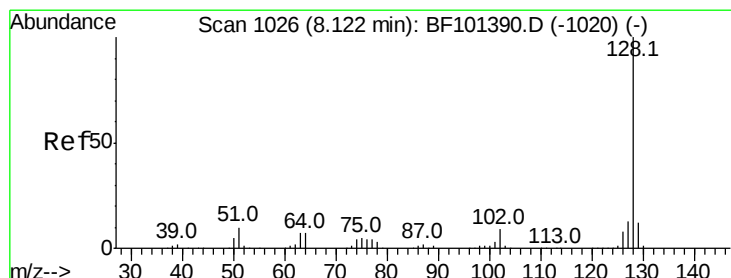
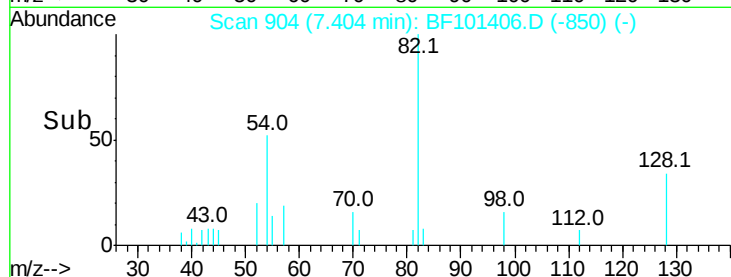
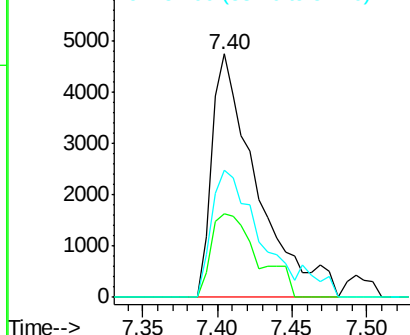
#23
Nitrobenzene-d5
Concen: 0.744 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 9967
Ion Ratio Lower Upper
82 100
128 34.5 36.1 54.1#
54 52.0 41.4 62.2

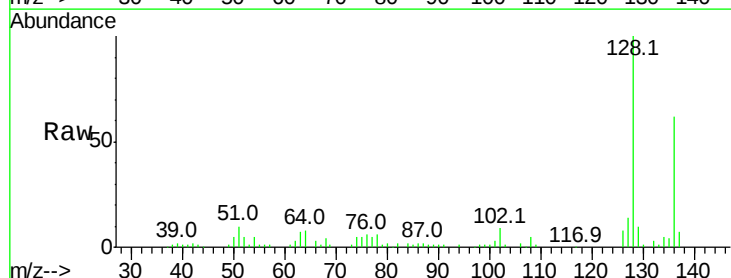


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

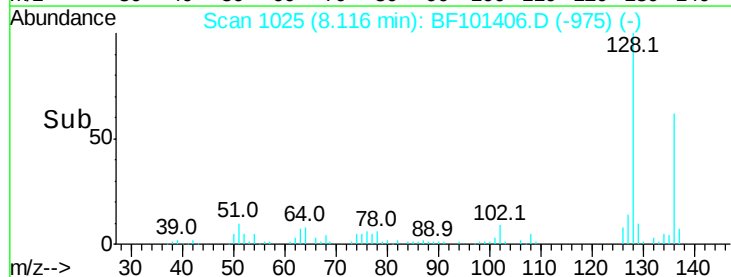
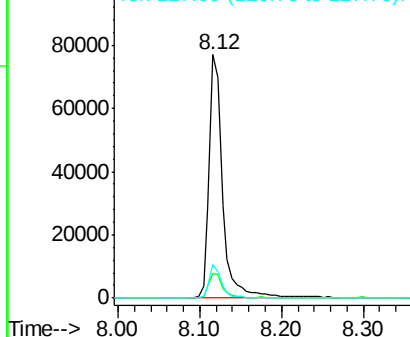


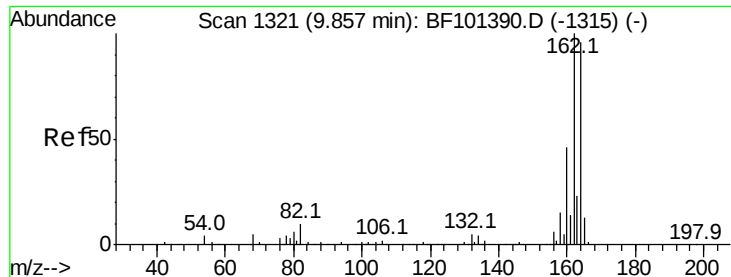
#31
Naphthalene
Concen: 2.352 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion: 128 Resp: 88346
Ion Ratio Lower Upper
128 100
129 10.1 8.8 13.2
127 14.0 10.9 16.3



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

ClientSampleId :

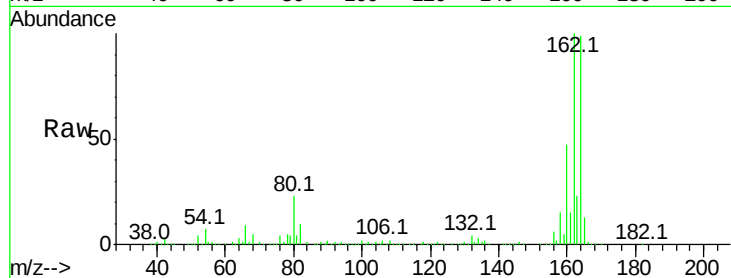
Tot Ion:164 Resp: 324702

Ion Ratio Lower Upper

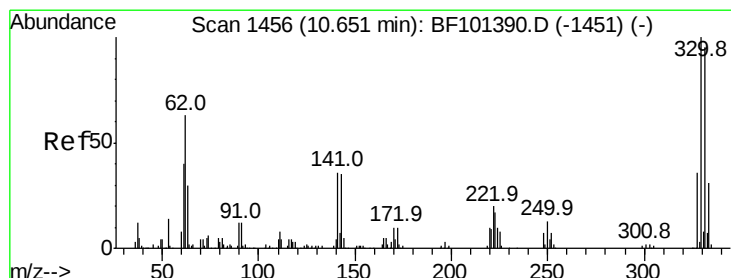
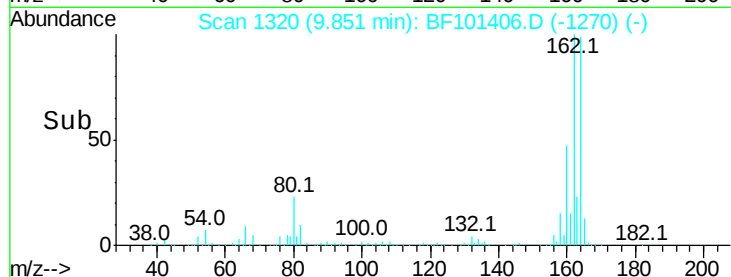
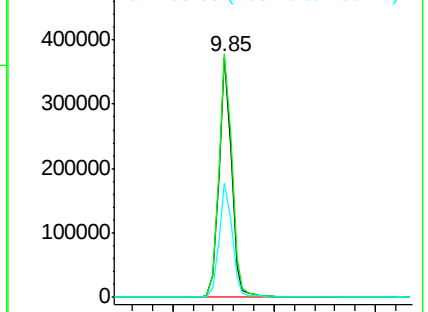
164 100

162 101.4 86.1 129.1

160 47.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 0.845 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

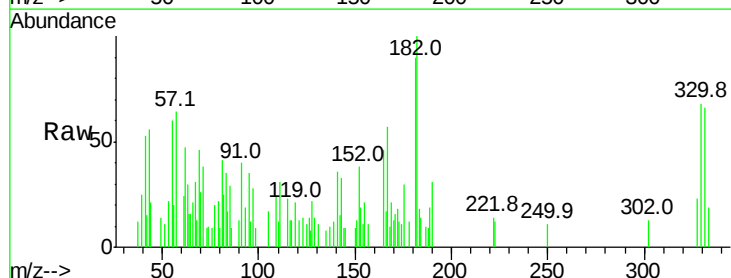
Tgt Ion:330 Resp: 2644

Ion Ratio Lower Upper

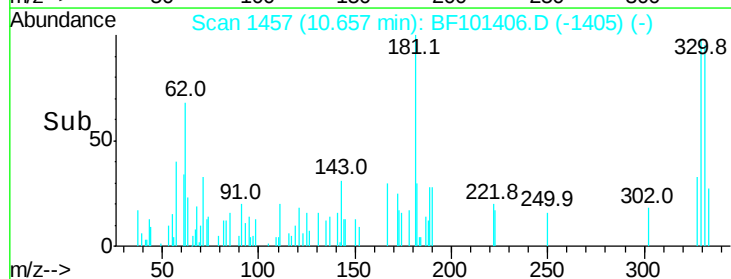
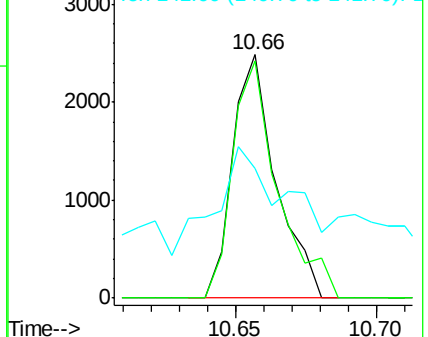
330 100

332 101.6 77.0 115.6

141 75.9 29.9 44.9#



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

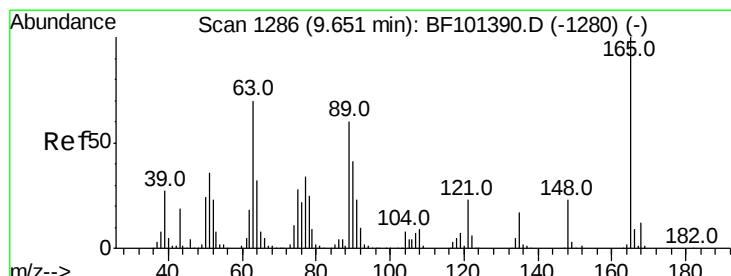
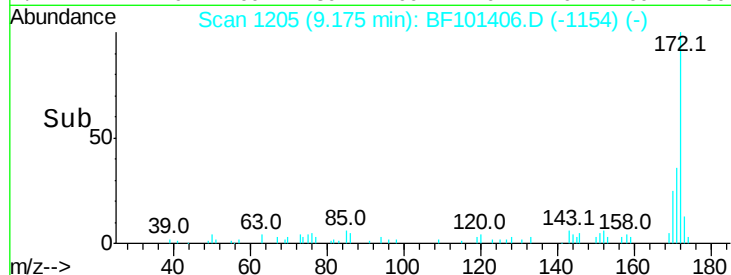
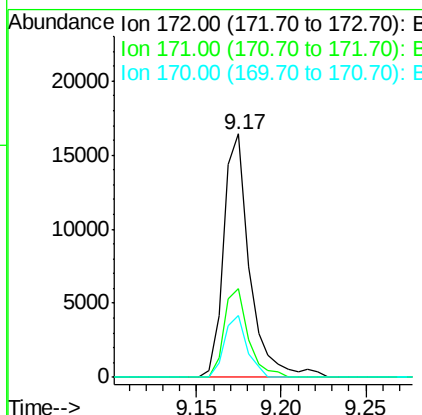
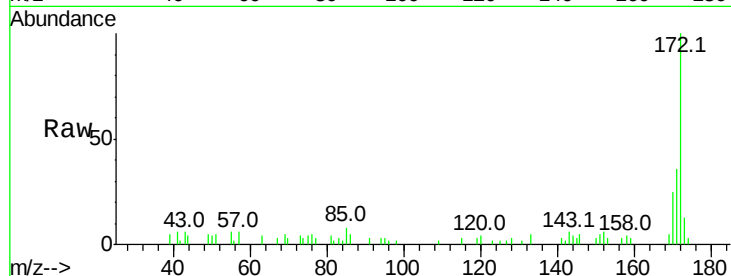




#44
 2-Fluorobiphenyl
 Concen: 0.844 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

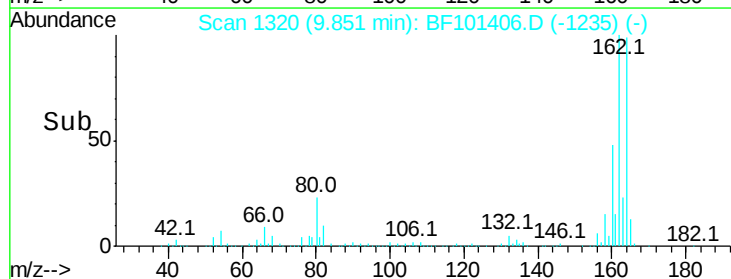
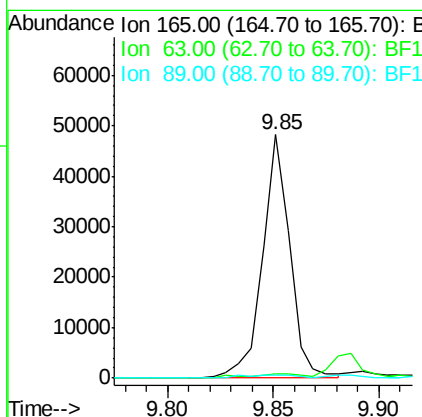
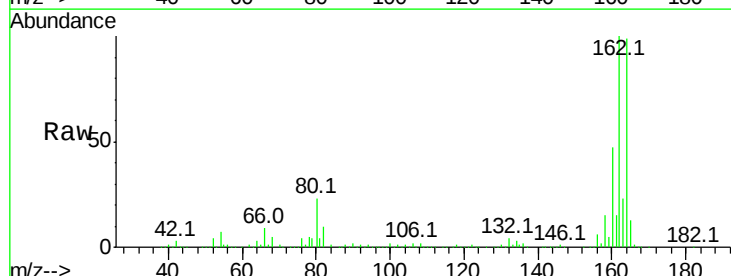
Instrument :
 BNA_F
 ClientSampleId :

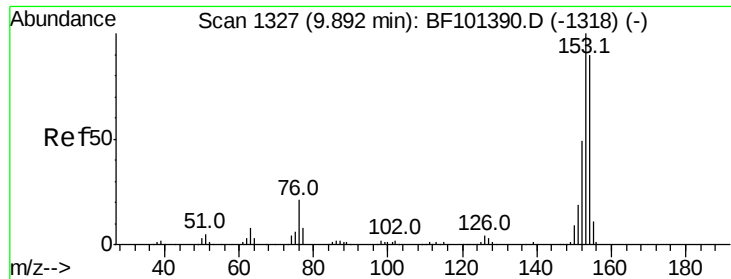
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	25.4	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.193 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.3	44.0	66.0#





#51

Acenaphthene

Concen: 2.162 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

ClientSampleId :

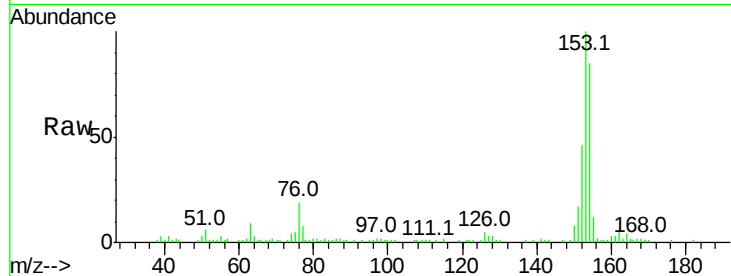
Tot Ion:154 Resp: 45207

Ion Ratio Lower Upper

154 100

153 118.0 91.2 136.8

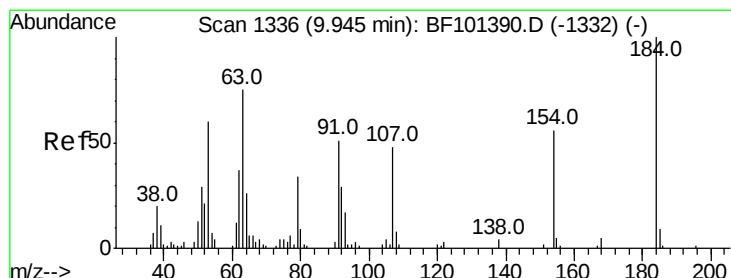
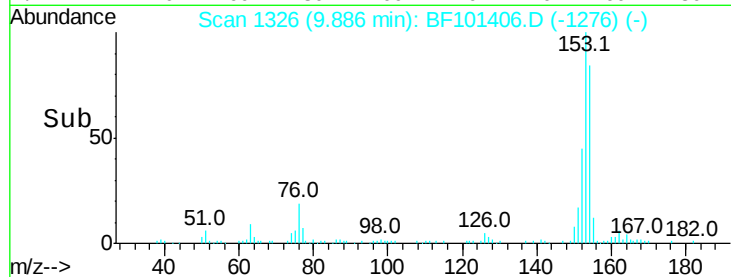
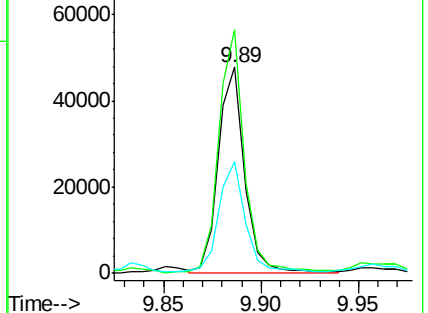
152 54.4 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 10.446 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.26 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

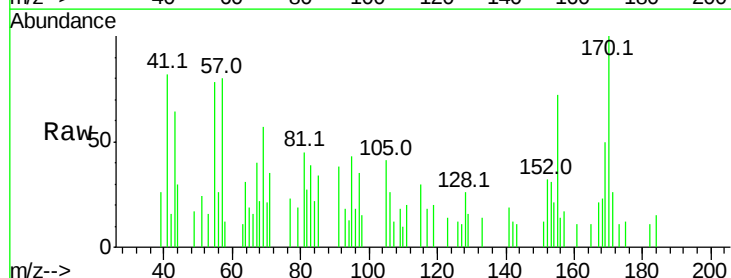
Tgt Ion:184 Resp: 267

Ion Ratio Lower Upper

184 100

63 73.9 54.2 81.2

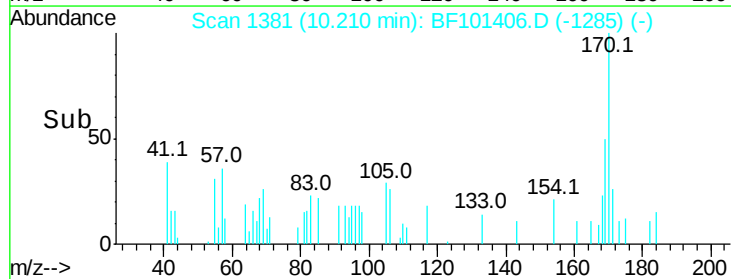
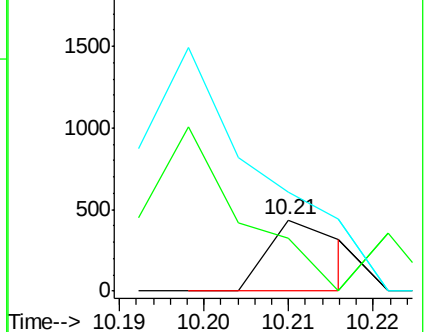
154 138.0 184.0 276.0#

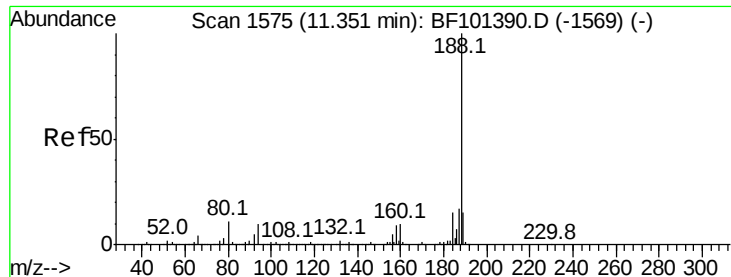


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

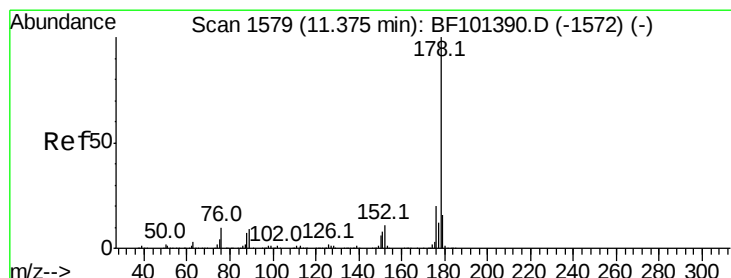
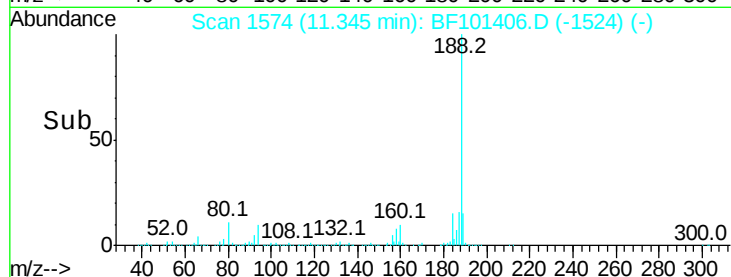
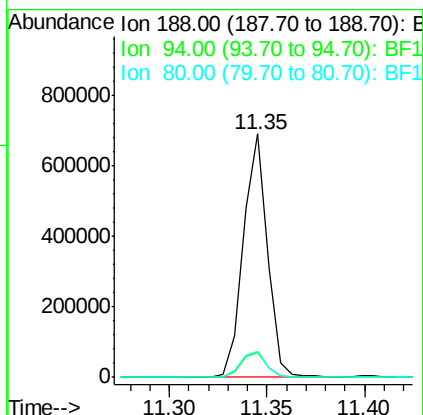
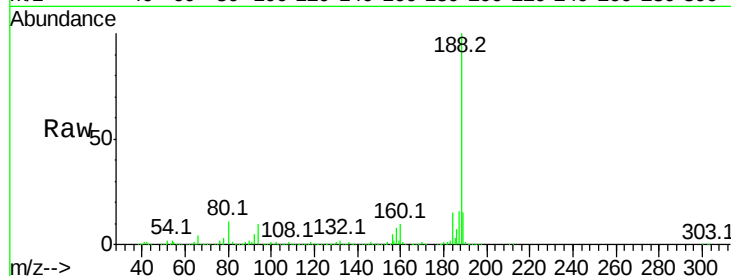




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

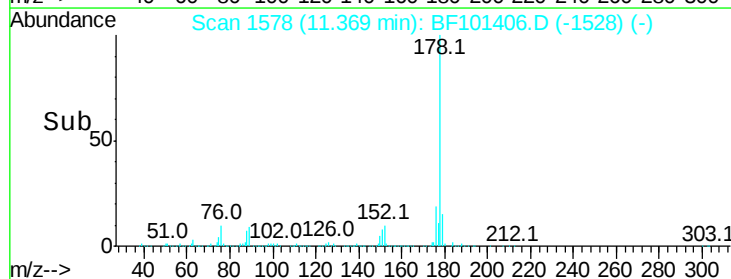
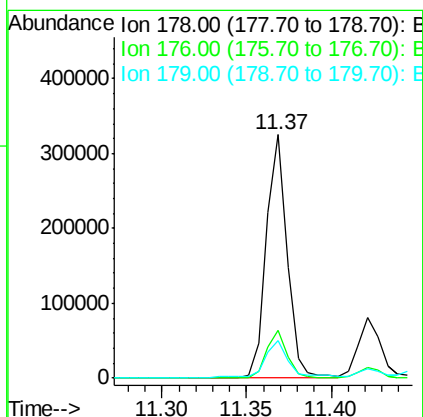
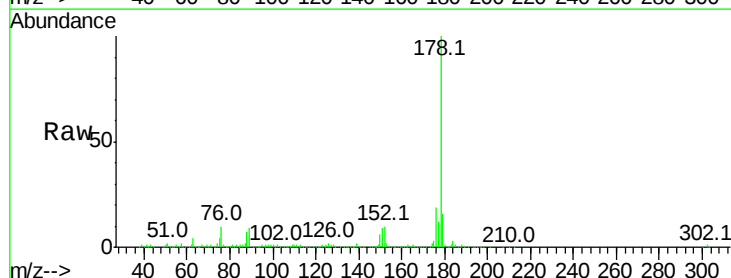
Instrument :
BNA_F
ClientSampleId :

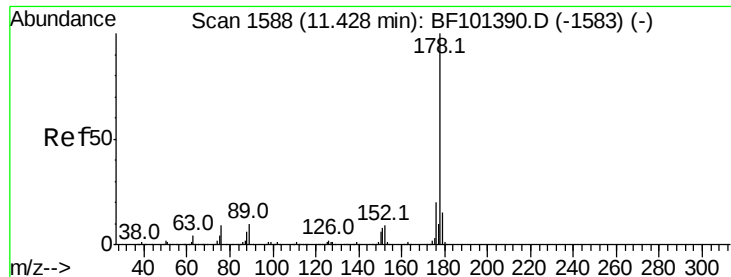
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8



#70
Phenanthrene
Concen: 8.398 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.6	13.0	19.6

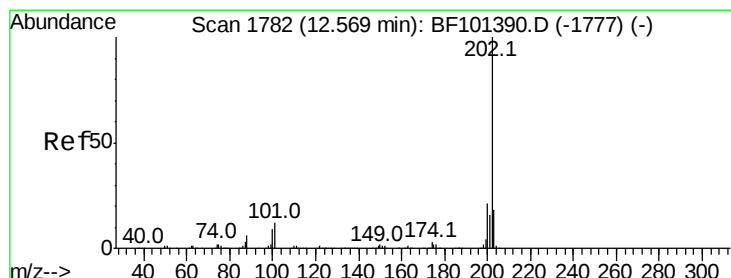
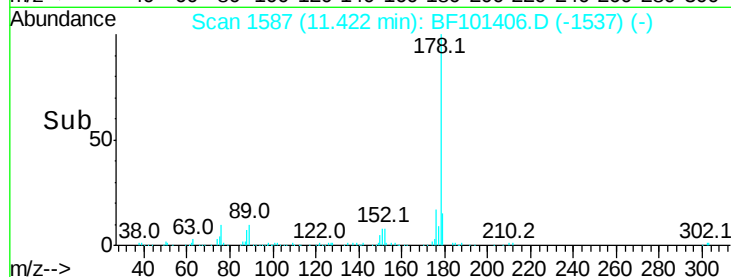
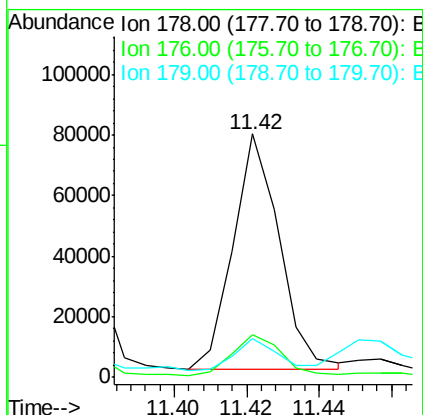
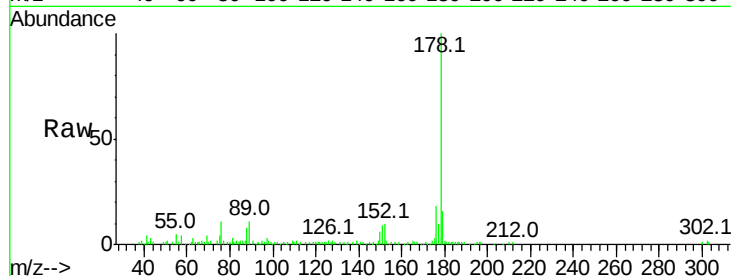




#71
 Anthracene
 Concen: 2.065 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

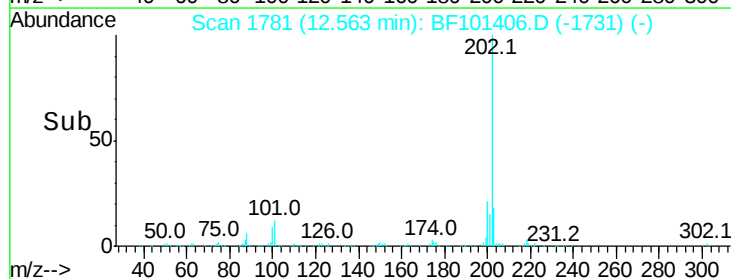
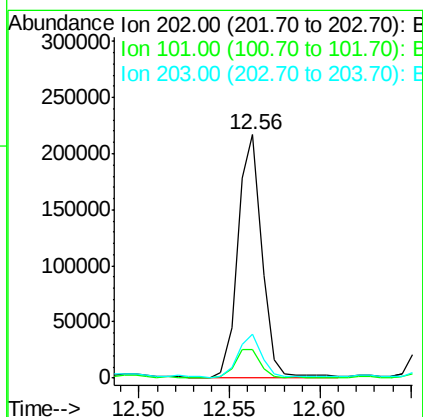
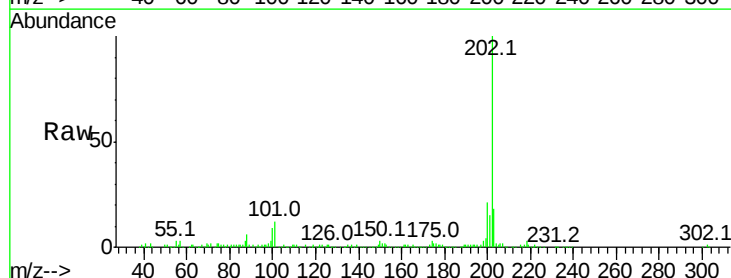
Instrument :
 BNA_F
 ClientSampled :

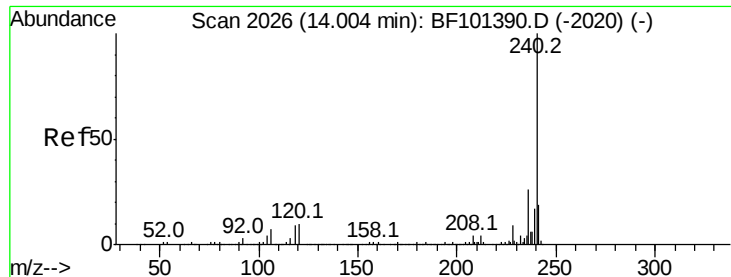
Tot Ion:178 Resp: 69412
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 16.2 12.6 19.0



#74
 Fluoranthene
 Concen: 5.693 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Tgt Ion:202 Resp: 196647
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 34.1
 203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

ClientSampleId :

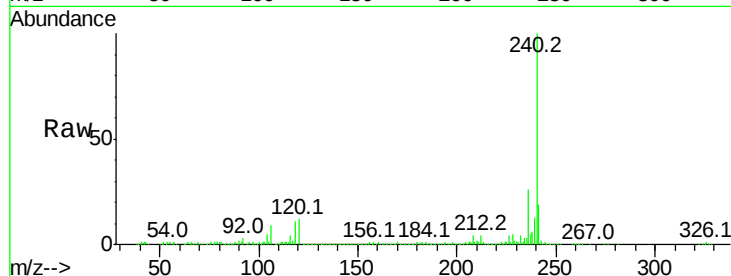
Tot Ion:240 Resp: 400044

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

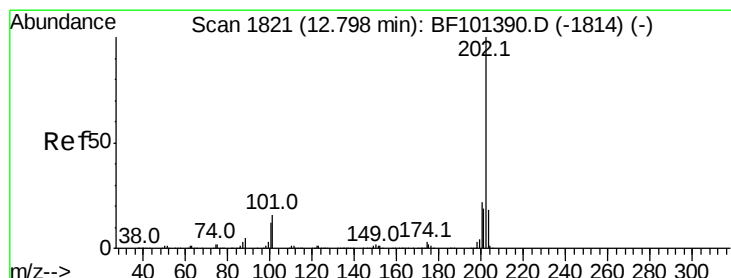
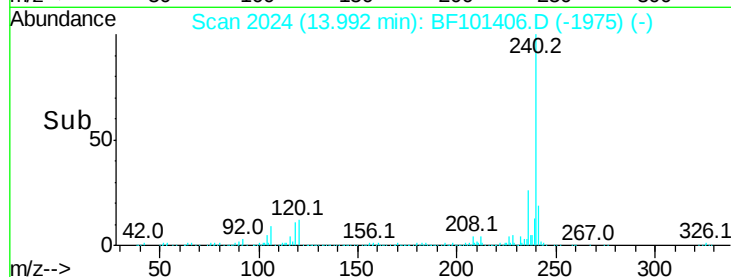
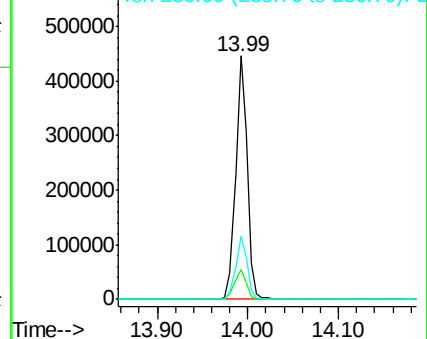
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.639 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

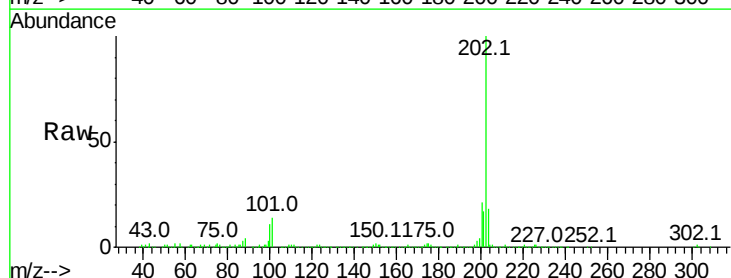
Tgt Ion:202 Resp: 289385

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

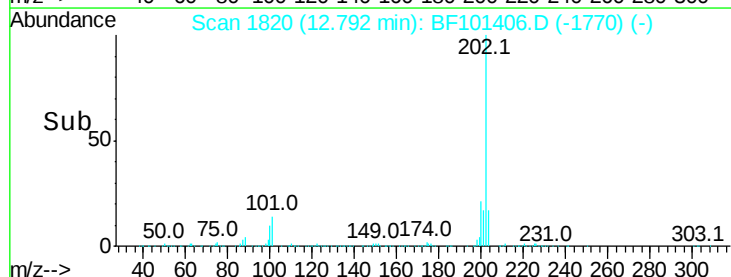
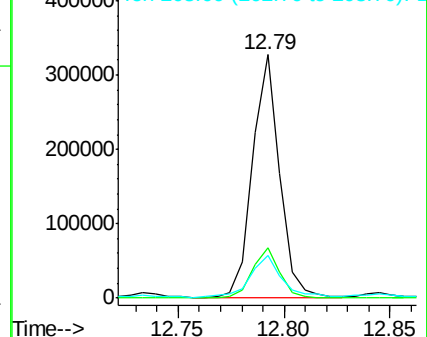
203 17.7 14.3 21.5

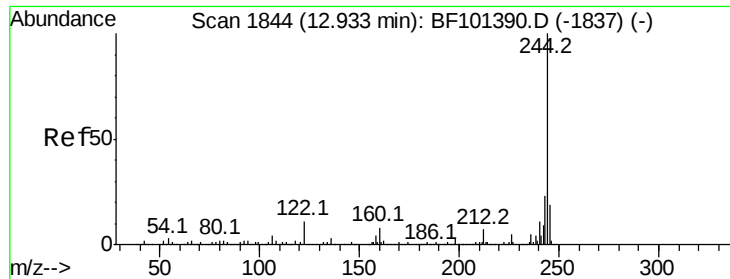


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.016 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

ClientSampleId :

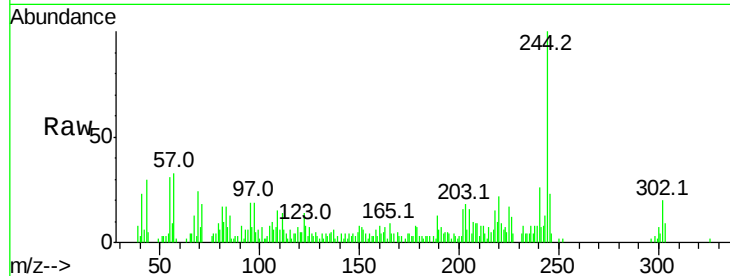
Tot Ion:244 Resp: 16863

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

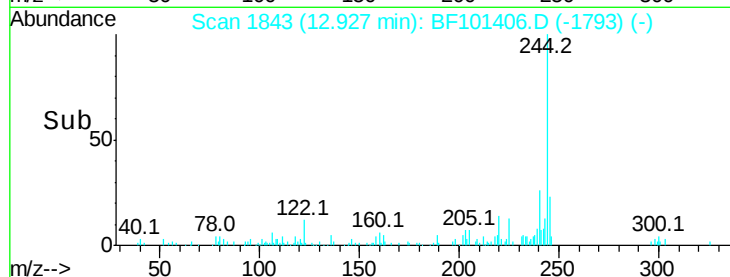
122 13.7 11.0 16.4



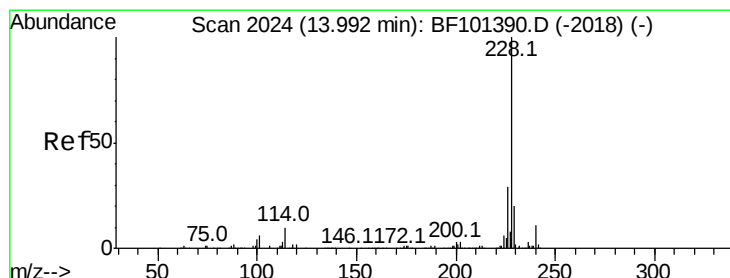
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 2.822 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

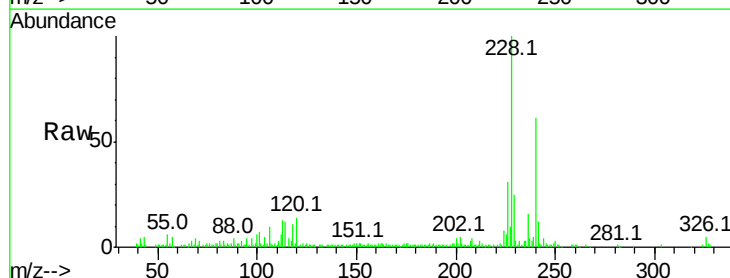
Tgt Ion:228 Resp: 74547

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

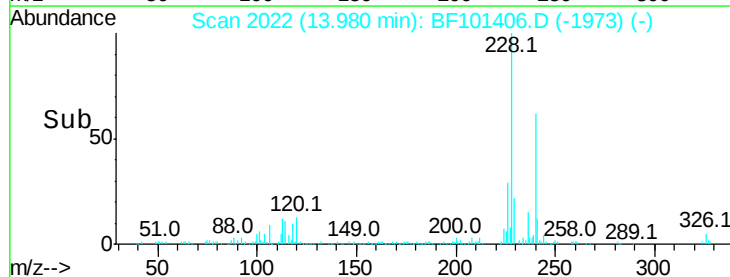
229 24.6 15.8 23.6#



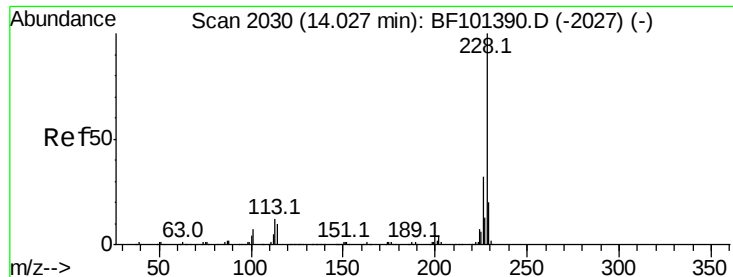
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 2.712 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

ClientSampleId :

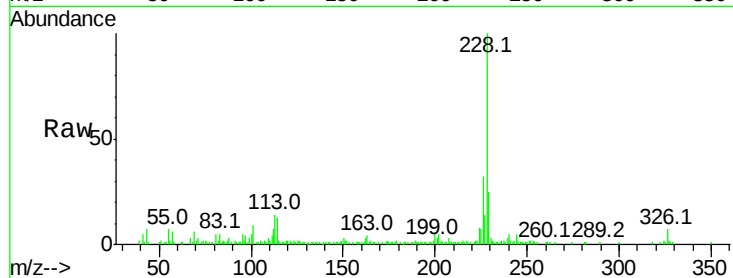
Tot Ion:228 Resp: 67643

Ion Ratio Lower Upper

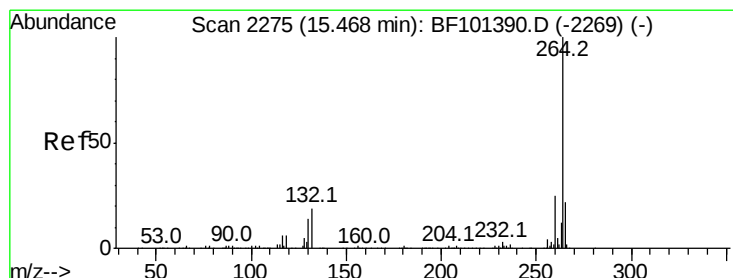
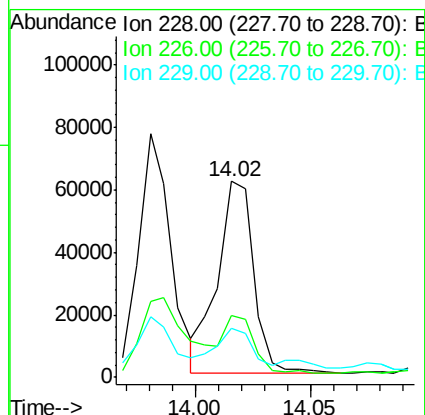
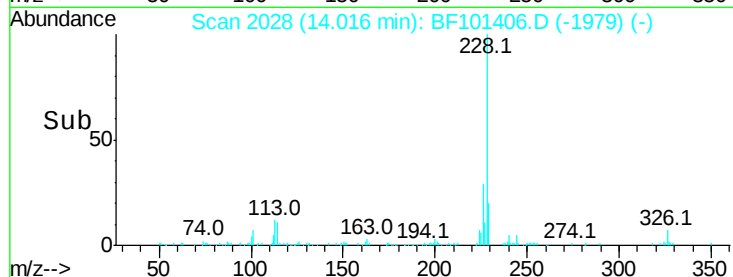
228 100

226 31.8 25.0 37.6

229 25.2 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

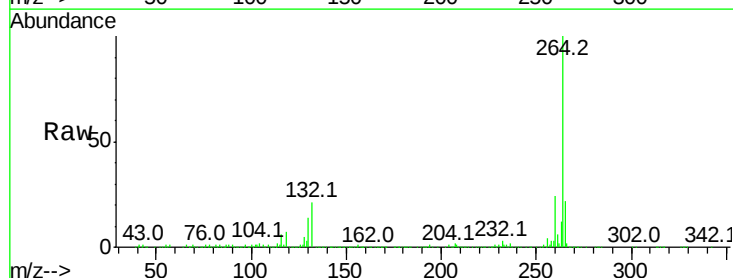
Tgt Ion:264 Resp: 334496

Ion Ratio Lower Upper

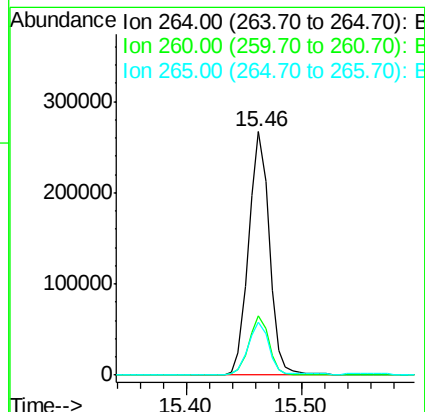
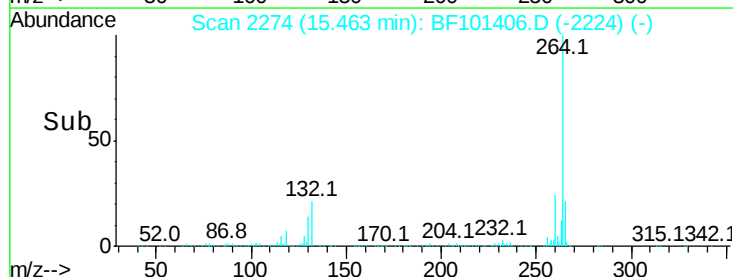
264 100

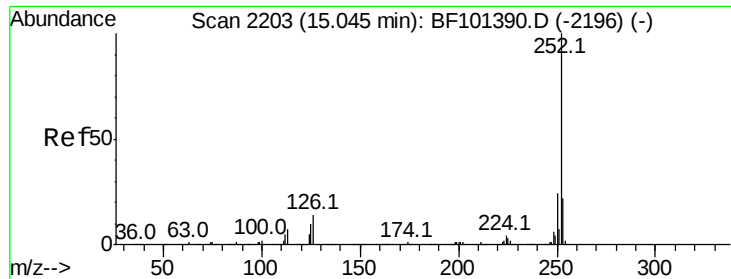
260 24.2 19.2 28.8

265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

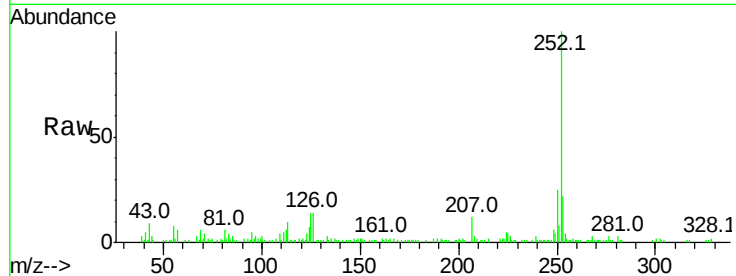




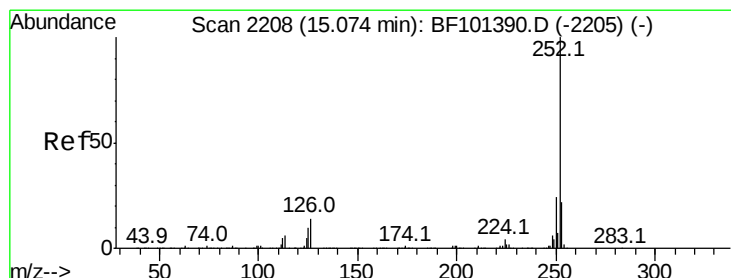
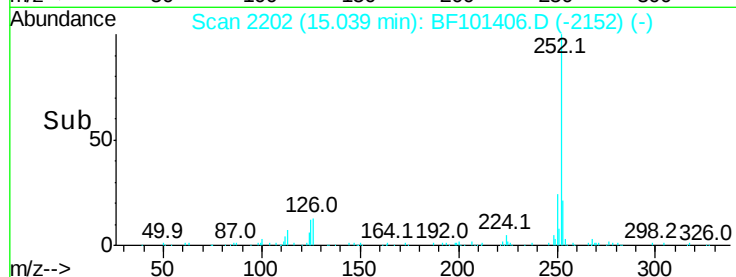
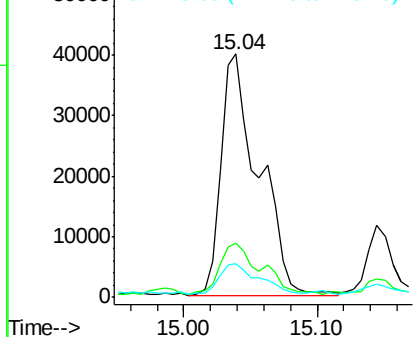
#87
Benzo(b)fluoranthene
Concen: 3.833 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 78151
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 14.0 9.0 13.6#

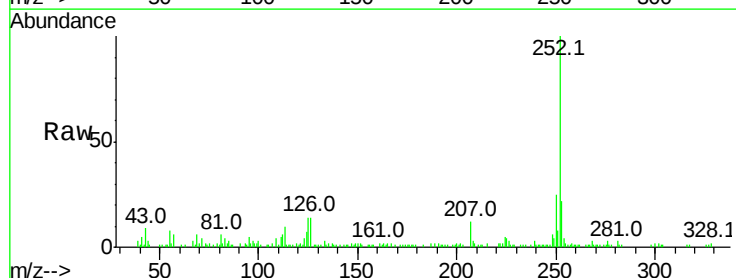


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

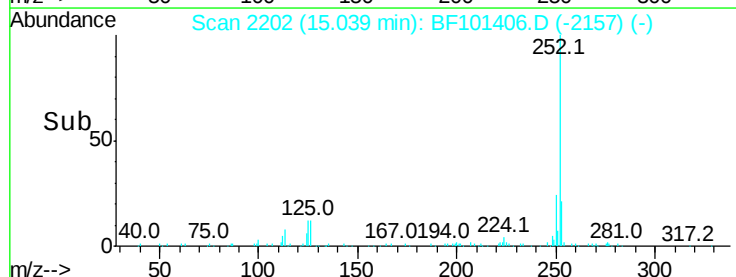
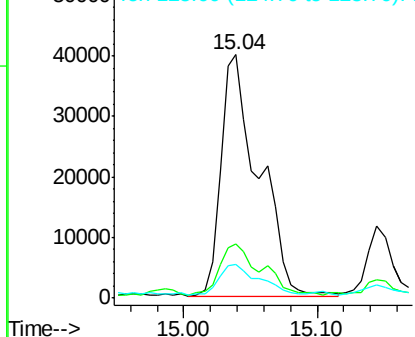


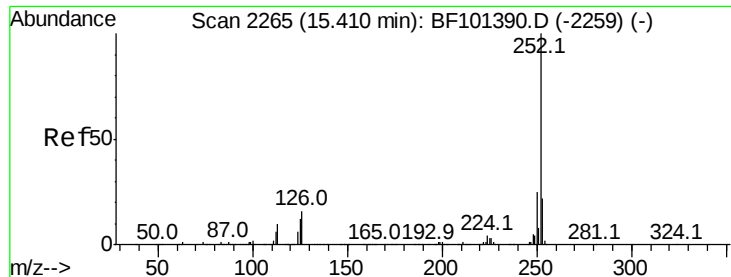
#88
Benzo(k)fluoranthene
Concen: 3.942 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion:252 Resp: 78151
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 14.0 10.2 15.2



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

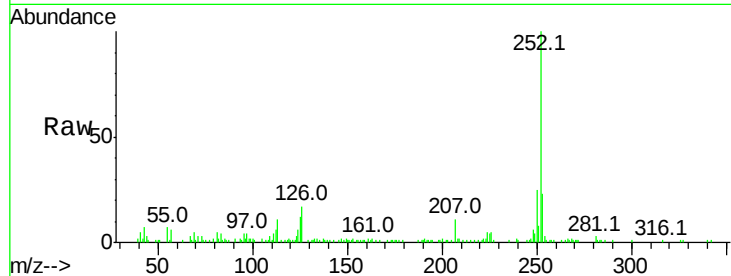




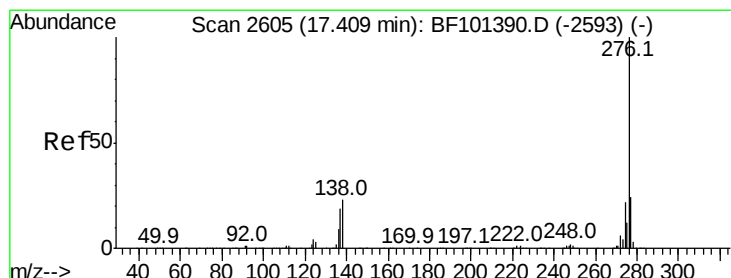
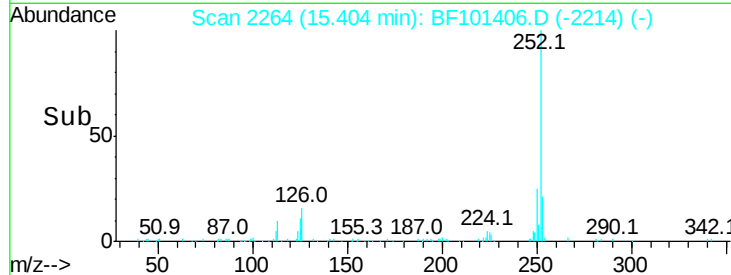
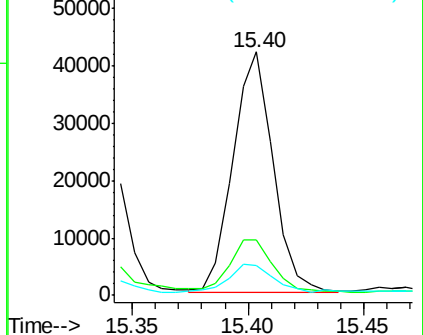
#89
Benzo(a)pyrene
Concen: 2.716 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 51054
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 12.3 9.8 14.6

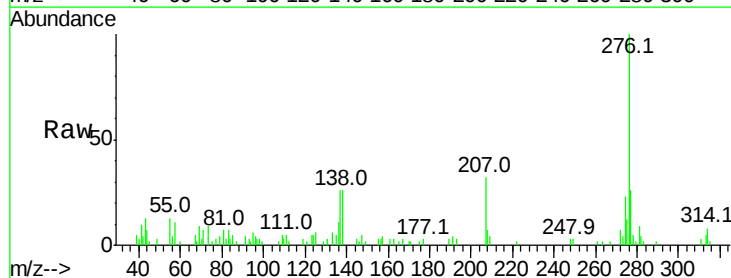


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.290 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion:276 Resp: 36595
Ion Ratio Lower Upper
276 100
277 26.2 17.9 26.9
138 25.7 21.8 32.8



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

