

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101340.D
 Acq On : 12 Dec 2017 19:59
 Operator : SJ/JU
 Sample : I6822-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:40:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	45654	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	172869	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	72852	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	125767	20.00	ng	0.00
75) Chrysene-d12	14.01	240	103271	20.00	ng	0.00
86) Perylene-d12	15.49	264	92789	20.00	ng	0.02

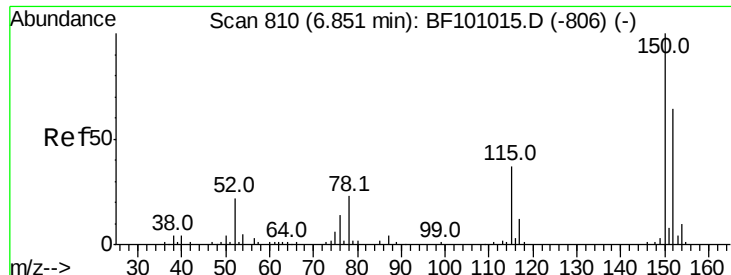
System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	151130	54.70	ng	0.00
7) Phenol-d6	6.46	99	183491	54.70	ng	0.00
23) Nitrobenzene-d5	7.39	82	110181	38.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	41441	47.35	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	219230	41.17	ng	-0.01
78) Terphenyl-d14	12.94	244	174792	37.02	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	14110	6.246	ng	# 81
25) Isophorone	7.39	82	110180	22.259	ng	# 64
49) Dimethylphthalate	9.57	163	25091	4.271	ng	# 98
50) 2,6-Dinitrotoluene	9.86	165	10098	8.160	ng	# 24
51) Acenaphthene	9.89	154	9689	2.077	ng	97
55) 4-Nitrophenol	10.07	139	3142	3.348	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	10098	6.089	ng	# 21
70) Phenanthrene	11.38	178	205367	29.652	ng	98
71) Anthracene	11.43	178	44001	6.277	ng	98
74) Fluoranthene	12.57	202	359962	46.887	ng	97
77) Pyrene	12.81	202	340696	47.810	ng	99
80) Benzo(a)anthracene	14.00	228	213645	32.766	ng	98
82) Chrysene	14.03	228	179038	29.566	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	145042	26.941	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	378286	68.064	ng	98
88) Benzo(k)fluoranthene	15.16	252	44179	8.068	ng	94
89) Benzo(a)pyrene	15.43	252	223344	44.202	ng	96
90) Dibenzo(a,h)anthracene	16.77	278	23546	5.286	ng	94
91) Benzo(a,h,i)perylene	17.43	276	135525	32.284	ng	# 90

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

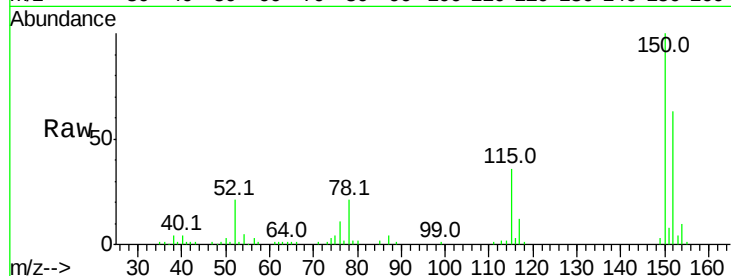


#1

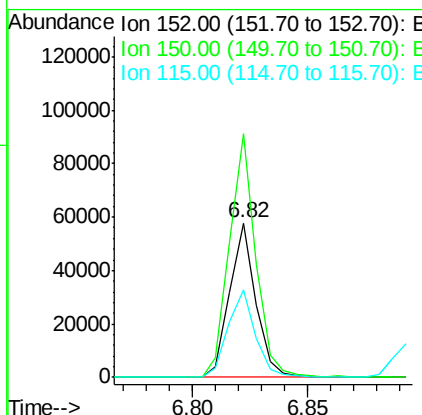
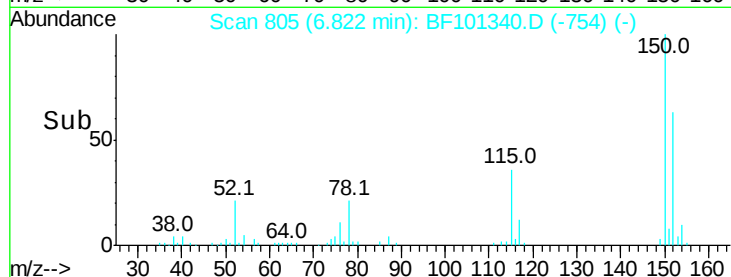
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45654
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 56.6 50.1 75.1



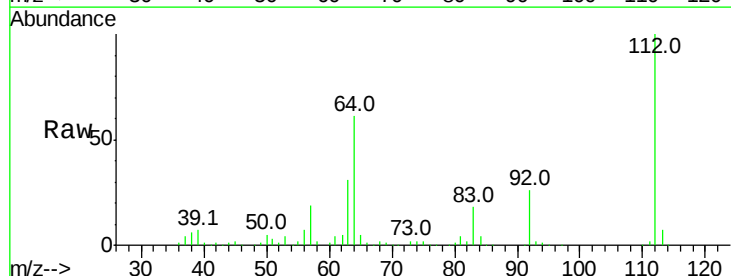
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



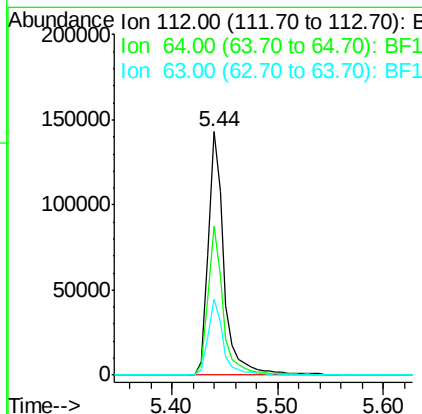
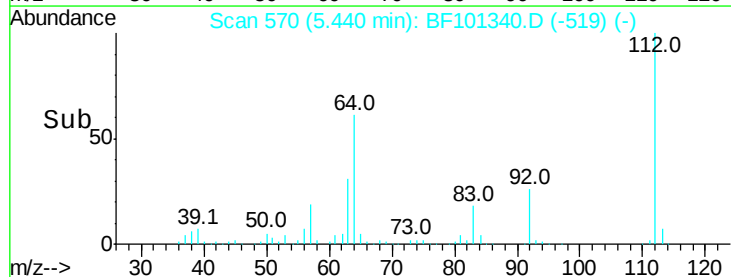
#5

2-Fluorophenol
Concen: 54.701 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion:112 Resp: 151130
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 31.3 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: 54.703 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampled :

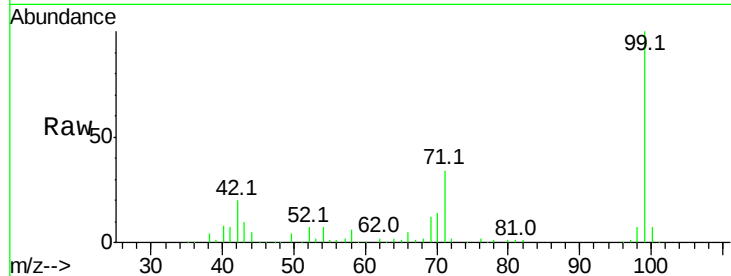
Tot Ion: 99 Resp: 183491

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

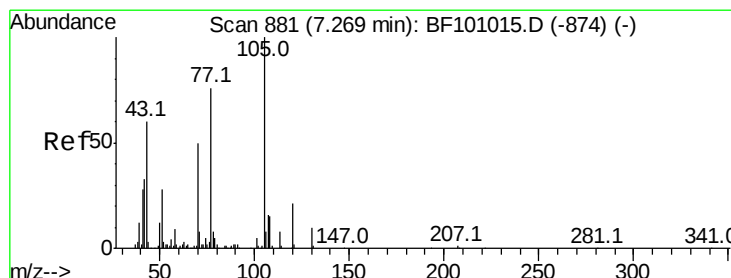
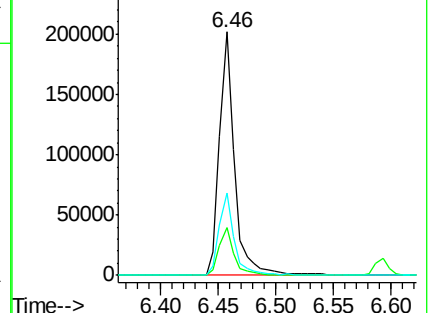
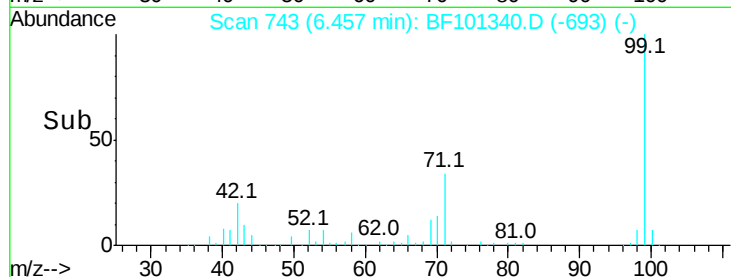
71 34.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.246 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Tgt Ion: 70 Resp: 14110

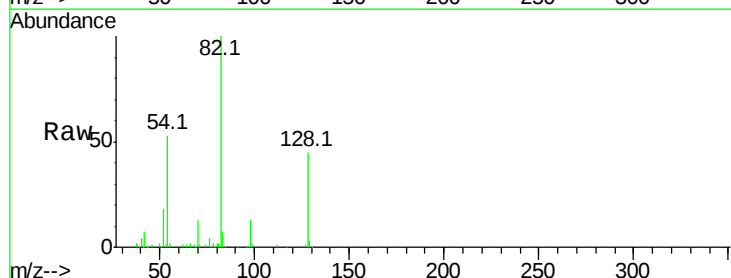
Ion Ratio Lower Upper

70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

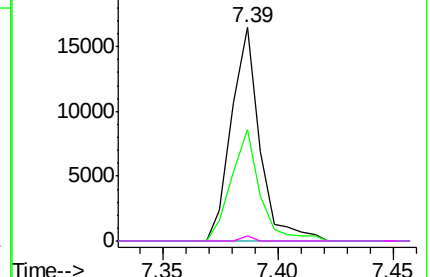
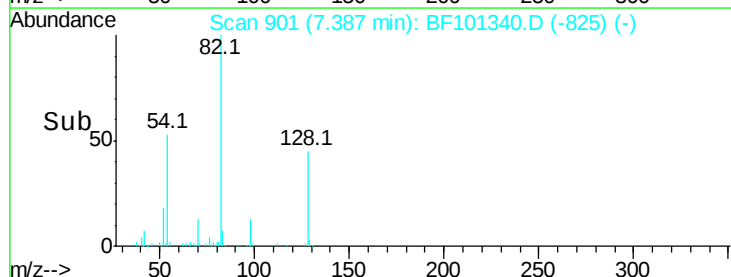


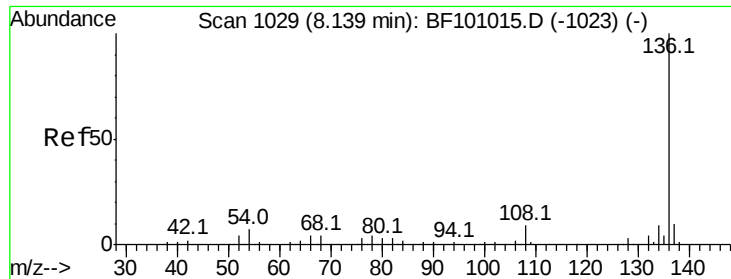
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

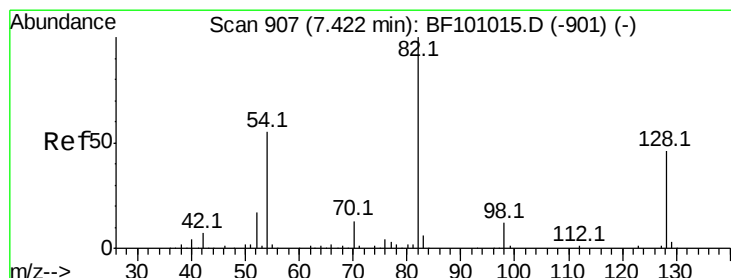
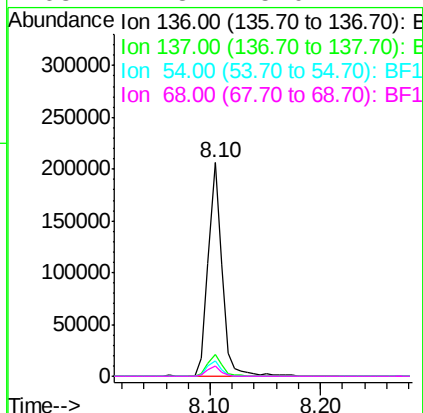
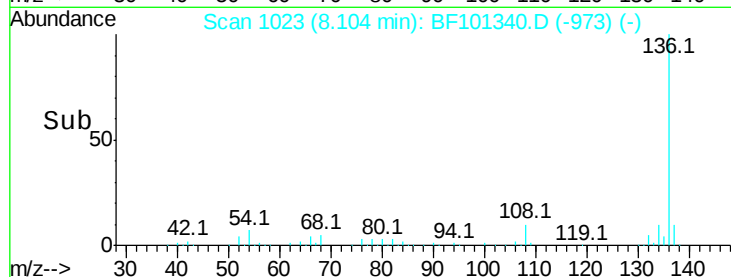
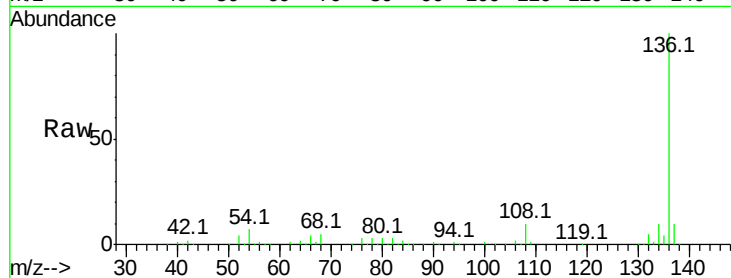




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

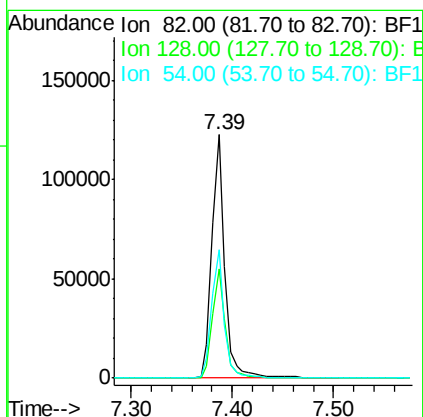
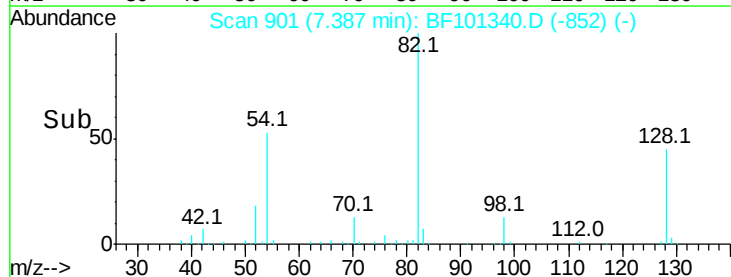
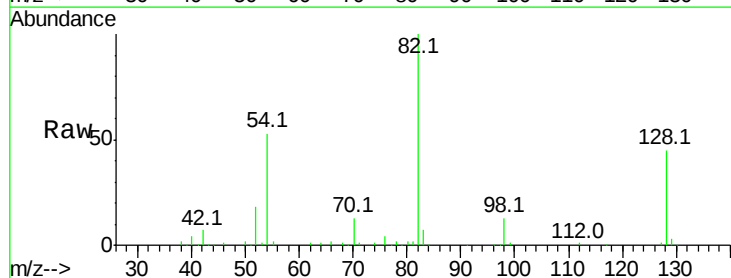
Instrument :
BNA_F
ClientSampleId :

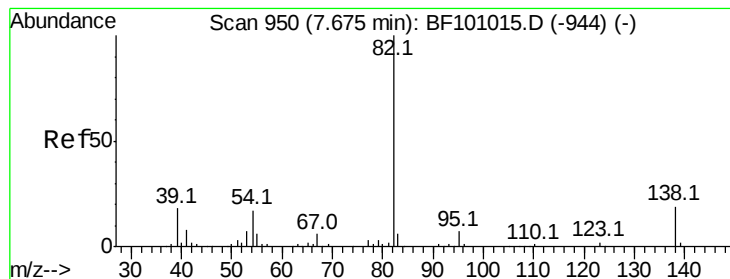
Tot Ion:	136	Resp:	172869
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.4	6.6	9.8
68	4.8	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 38.021 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion:	82	Resp:	110181
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	52.6	41.4	62.2





#25

Isophorone

Concen: 22.259 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

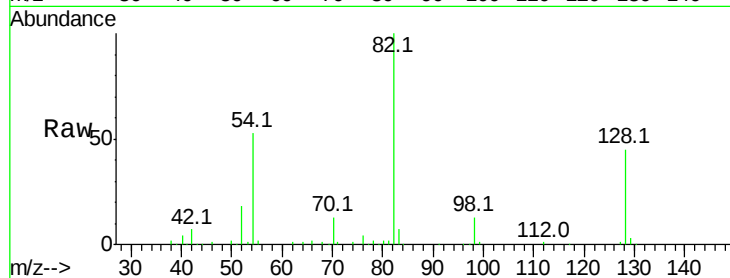
Tot Ion: 82 Resp: 110180

Ion Ratio Lower Upper

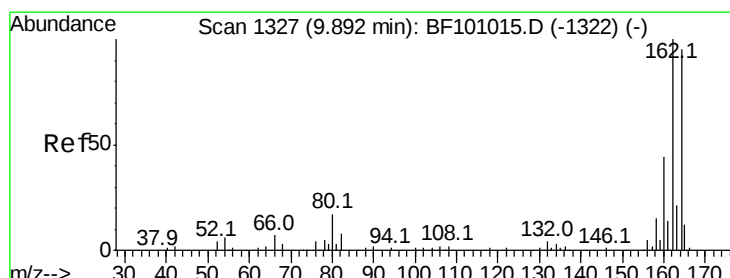
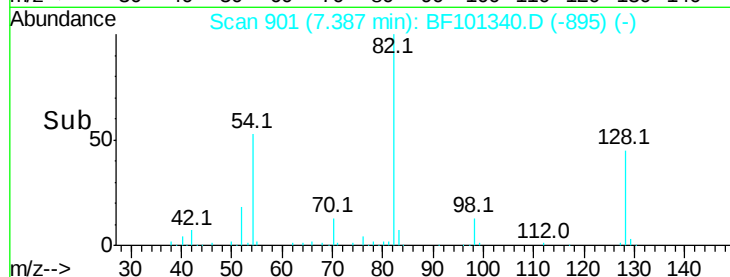
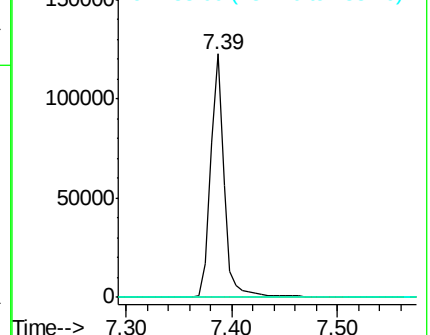
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

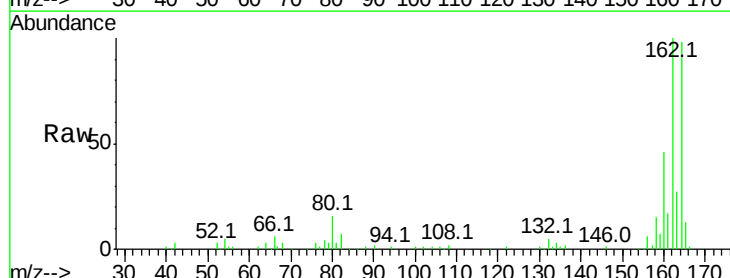
Tgt Ion:164 Resp: 72852

Ion Ratio Lower Upper

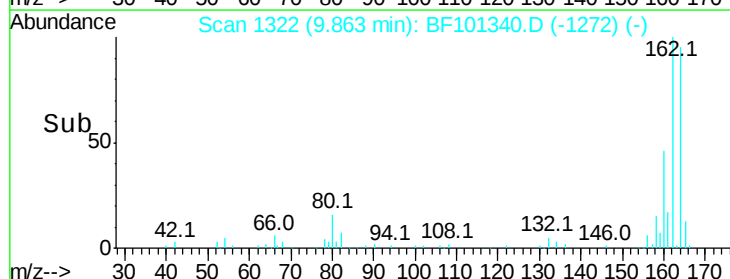
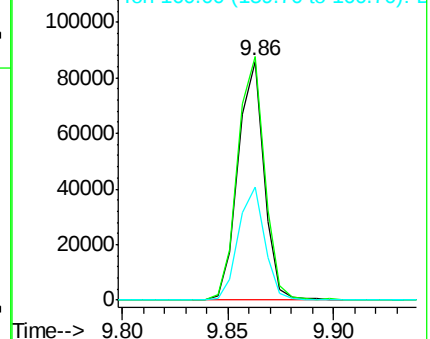
164 100

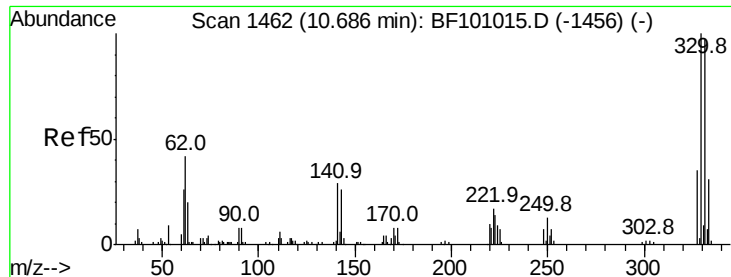
162 102.1 86.1 129.1

160 47.2 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

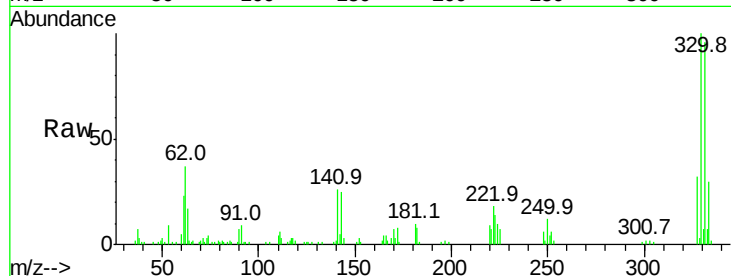




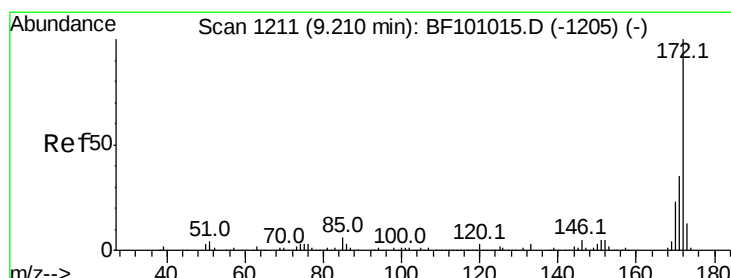
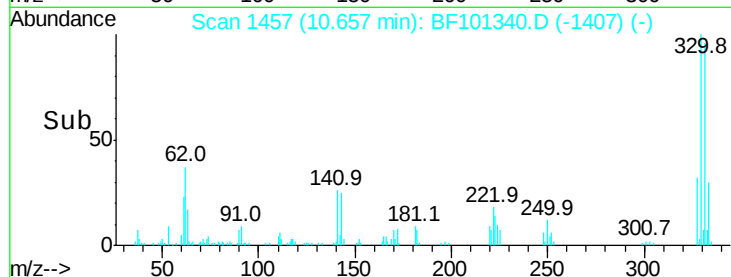
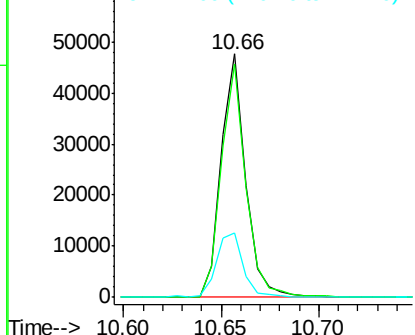
#41
 2,4,6-Tribromophenol
 Concen: 47.353 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 41441
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 29.0 29.9 44.9#

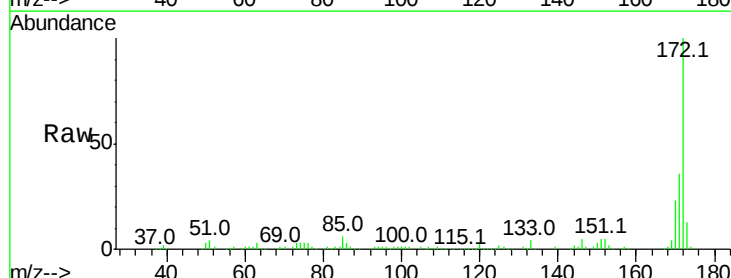


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

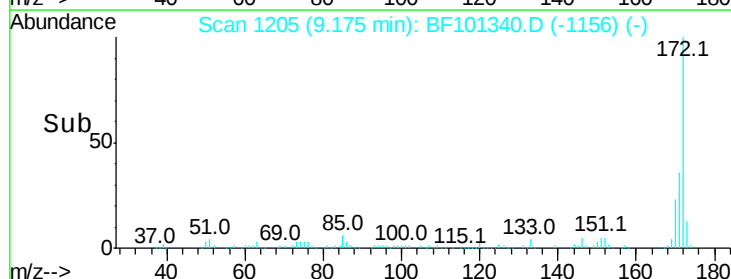
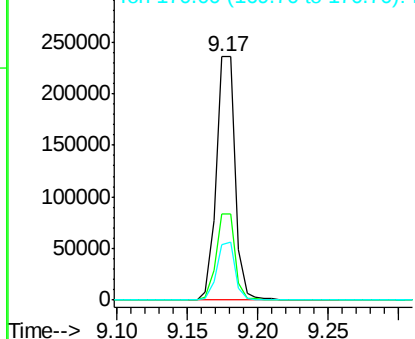


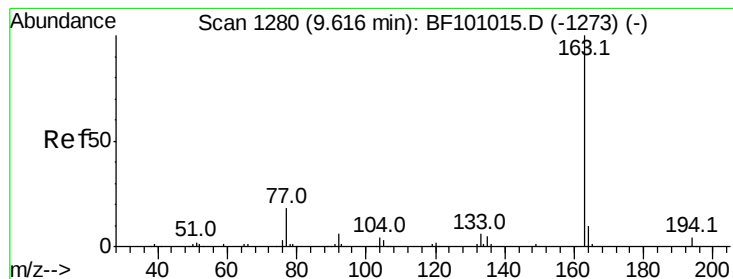
#44
 2-Fluorobiphenyl
 Concen: 41.173 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Tgt Ion:172 Resp: 219230
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 22.9 19.6 29.4



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





#49

Dimethylphthalate

Concen: 4.271 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

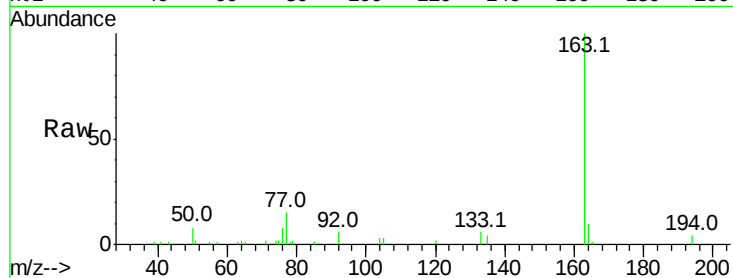
Tot Ion:163 Resp: 25091

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

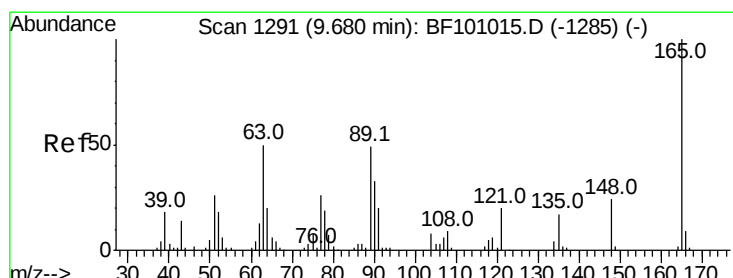
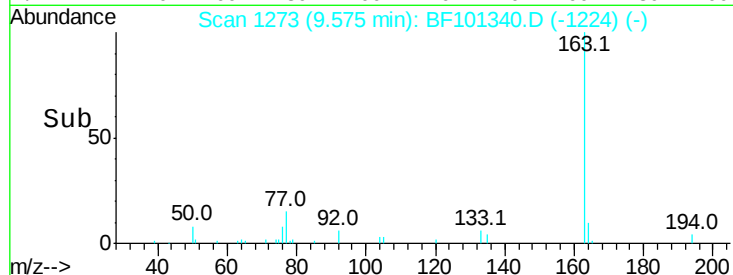
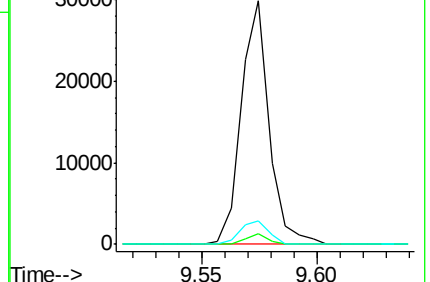
164 9.6 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.160 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

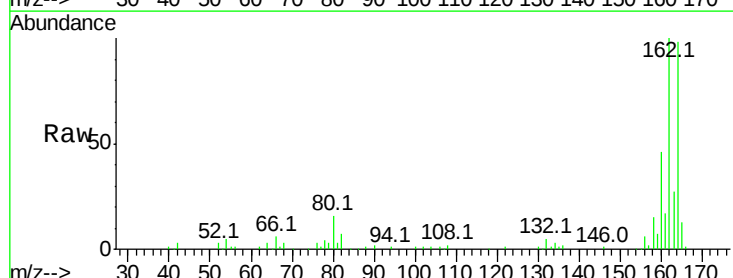
Tgt Ion:165 Resp: 10098

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

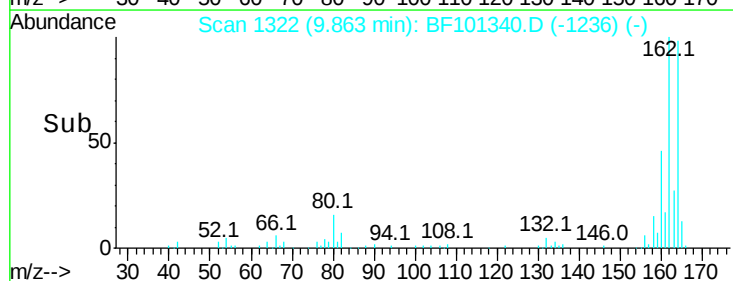
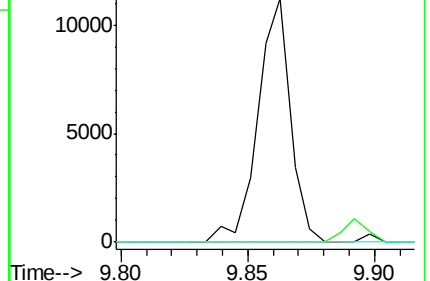
89 0.0 44.0 66.0#

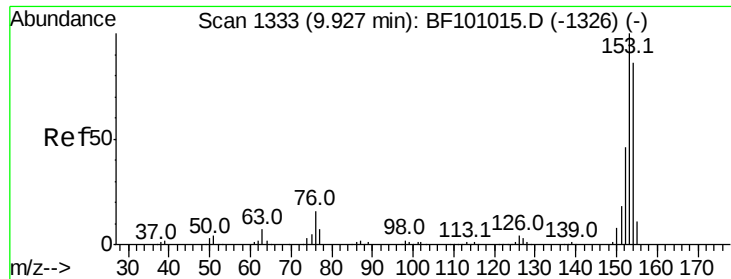


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.077 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

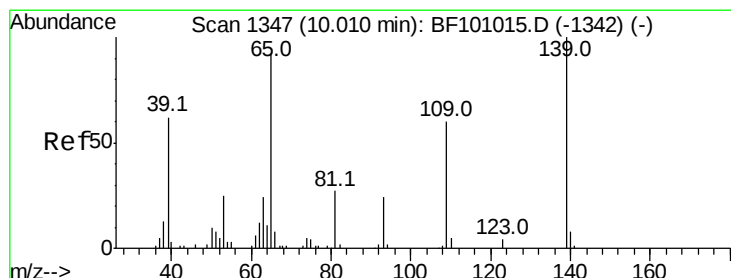
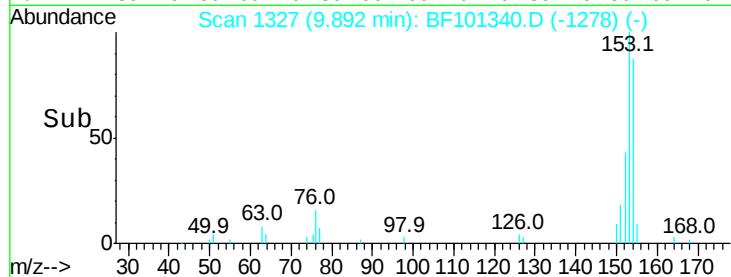
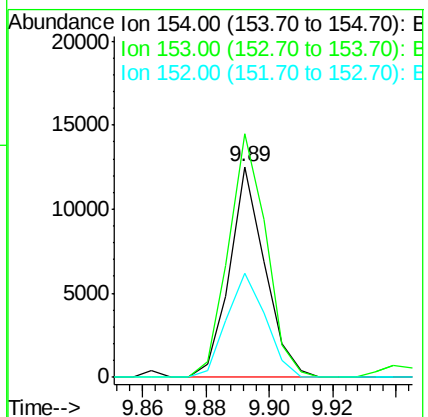
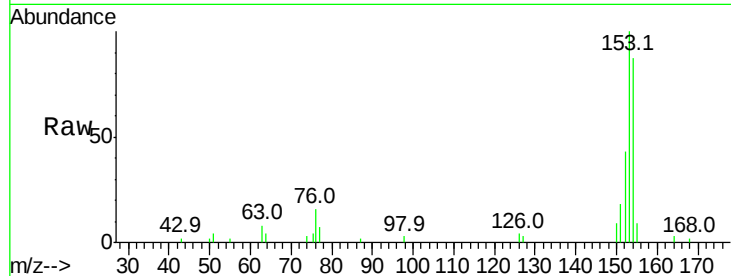
Tot Ion:154 Resp: 9689

Ion Ratio Lower Upper

154 100

153 115.4 91.2 136.8

152 49.2 43.8 65.8



#55

4-Nitrophenol

Concen: 3.348 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.08 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

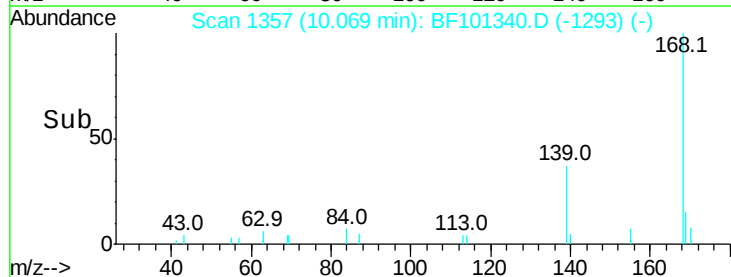
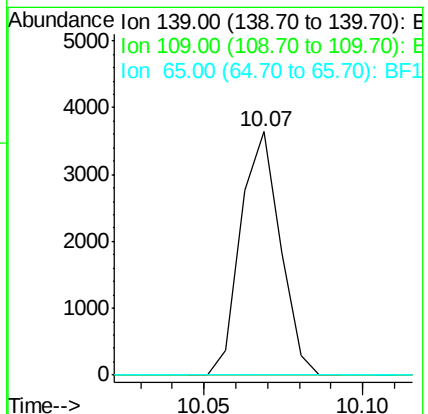
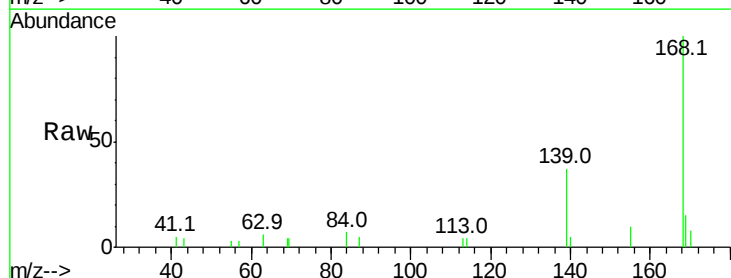
Tgt Ion:139 Resp: 3142

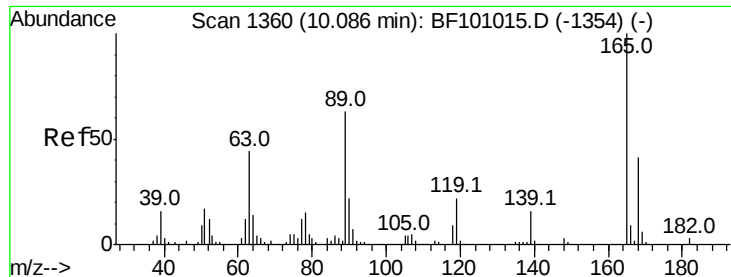
Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#

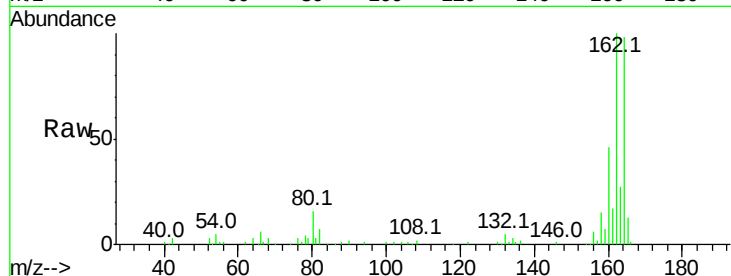




#56
 2,4-Dinitrotoluene
 Concen: 6.089 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

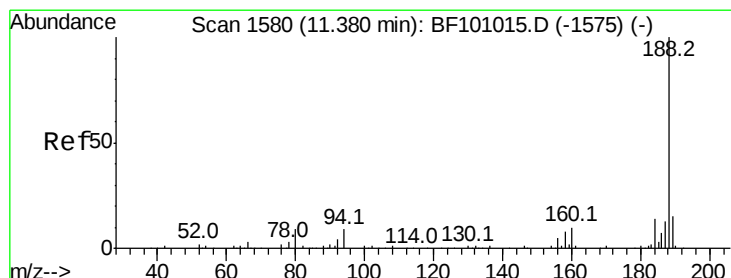
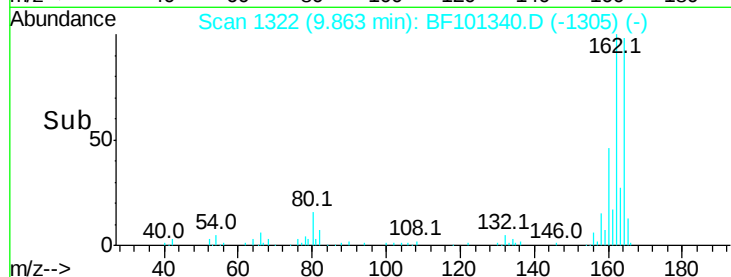
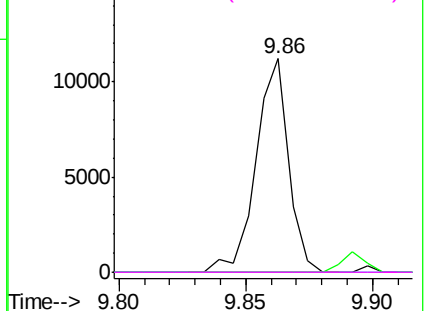


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

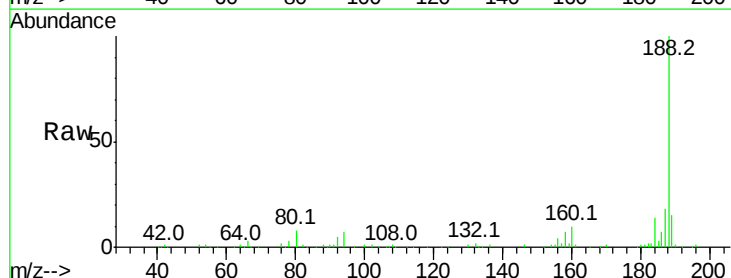
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

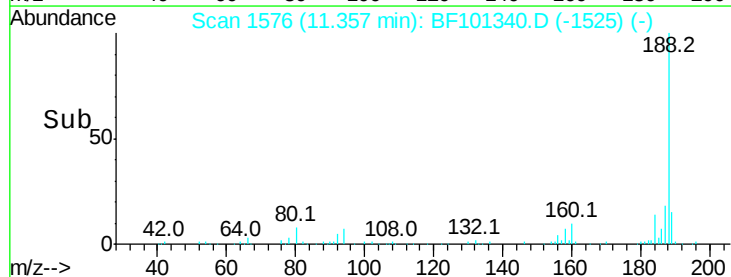
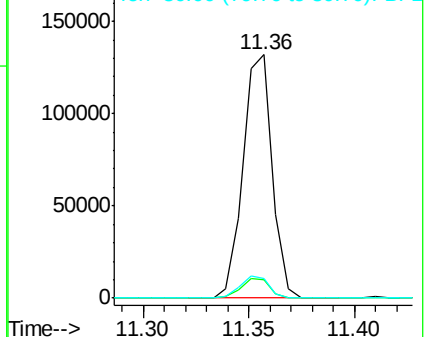
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	8.5	12.7#
80	8.1	9.2	13.8#

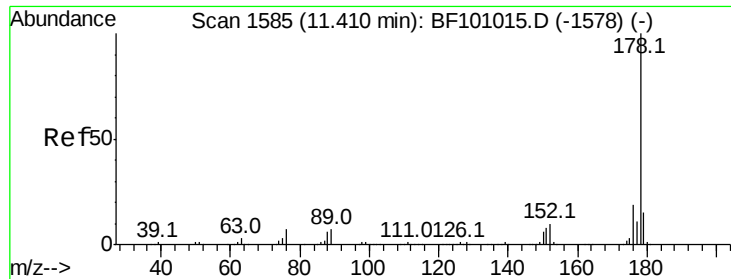


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

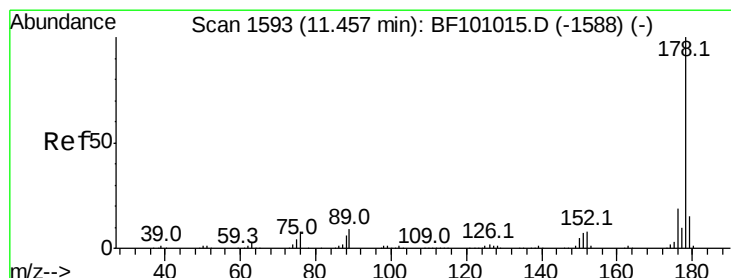
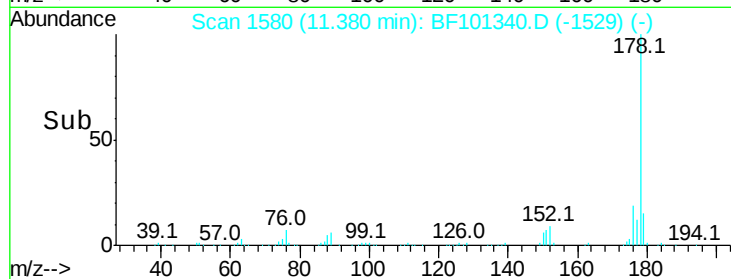
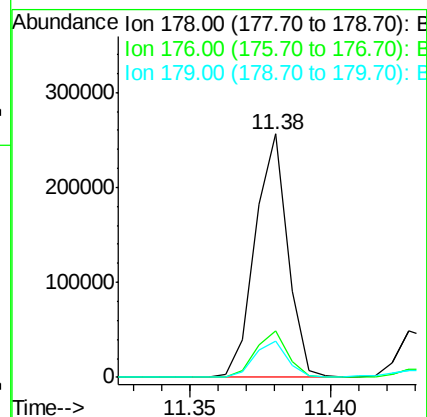
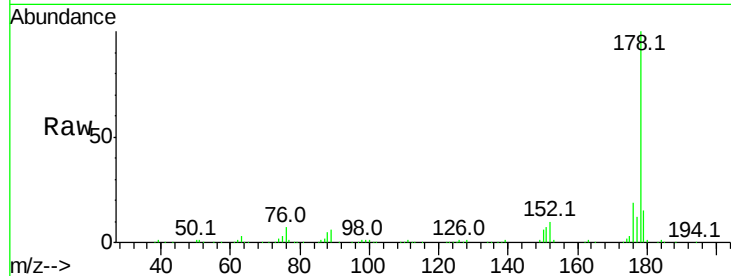




#70
Phenanthrene
Concen: 29.652 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

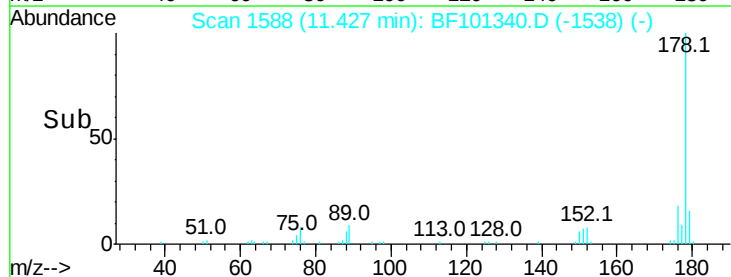
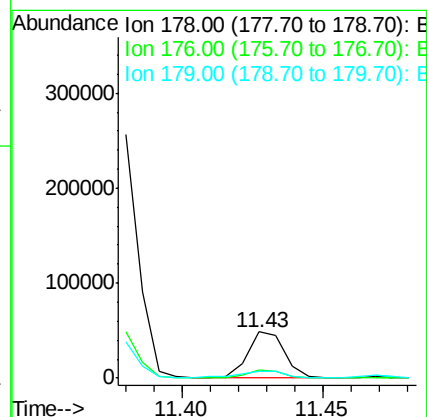
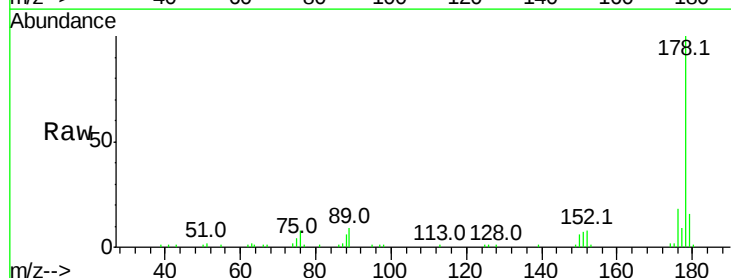
Instrument :
BNA_F
ClientSampleId :

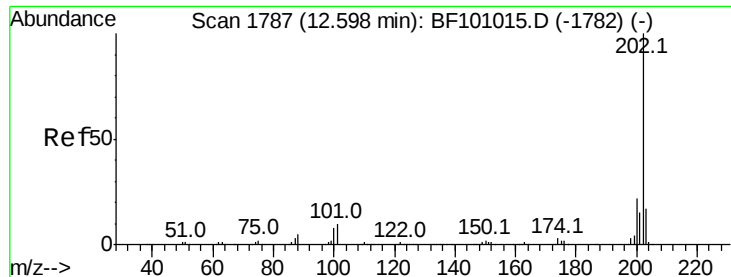
Tot Ion:178 Resp: 205367
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 6.277 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion:178 Resp: 44001
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.6 12.6 19.0

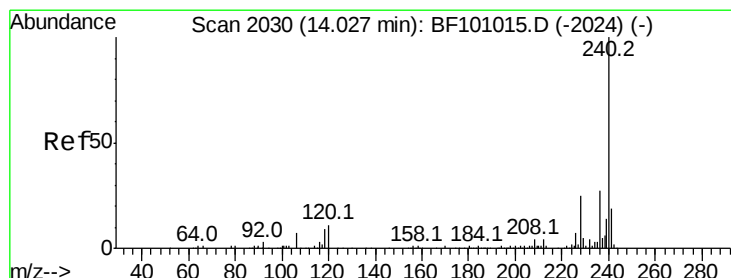
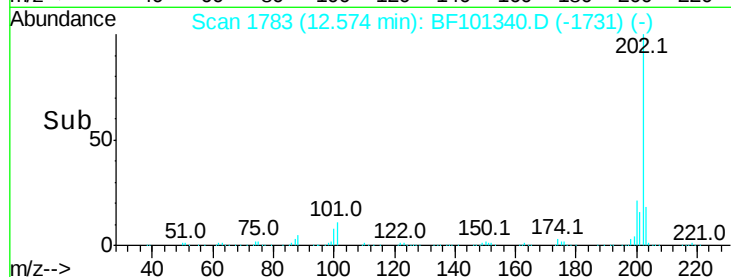
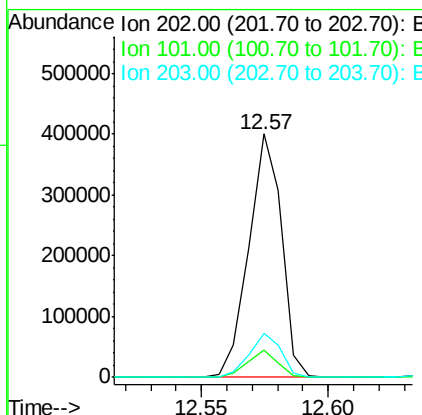
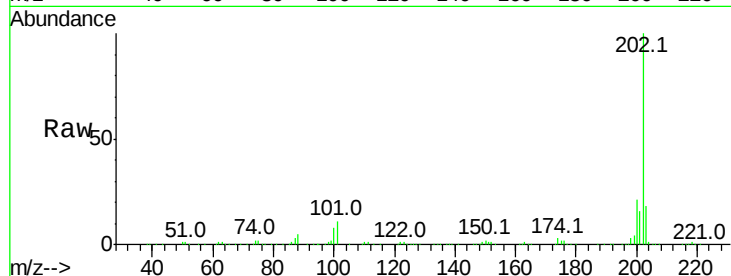




#74
 Fluoranthene
 Concen: 46.887 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

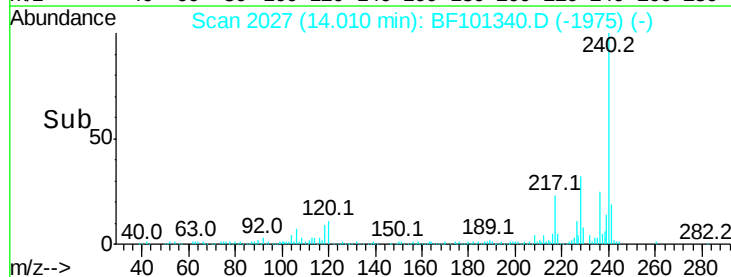
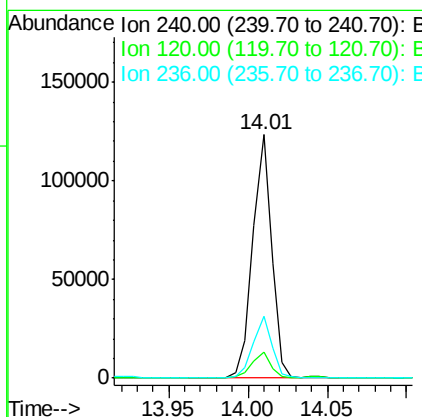
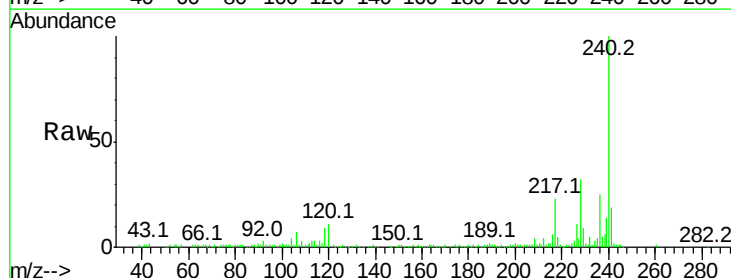
Instrument :
 BNA_F
 ClientSampleId :

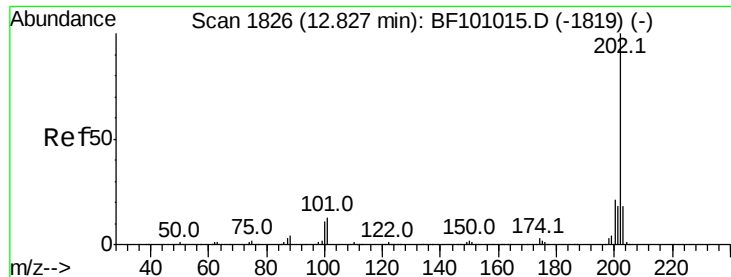
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	25.4	20.7	31.1

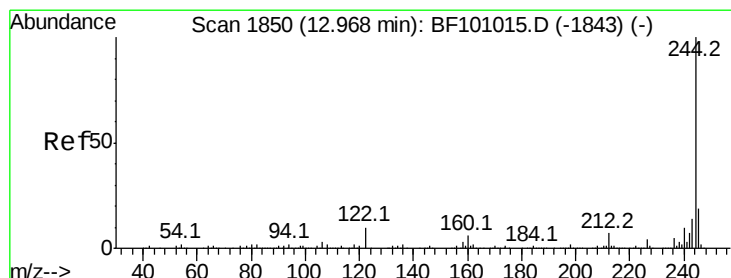
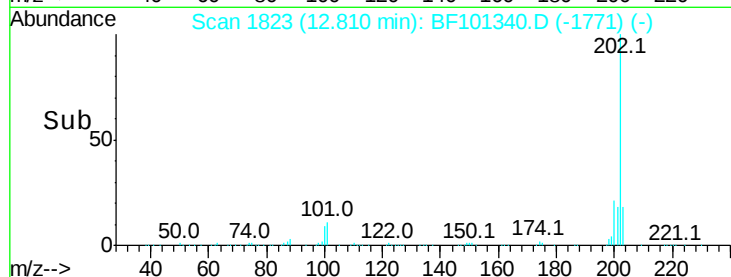
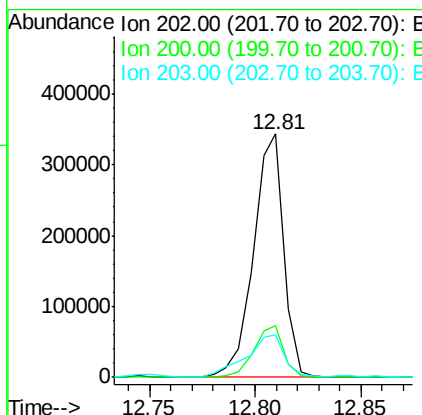
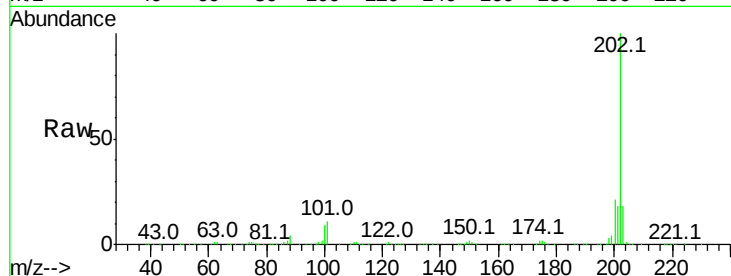




#77
 Pvrene
 Concen: 47.810 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

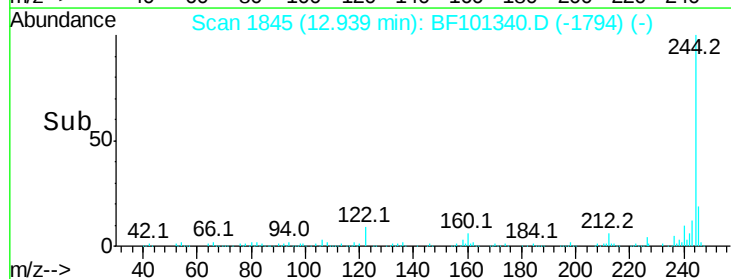
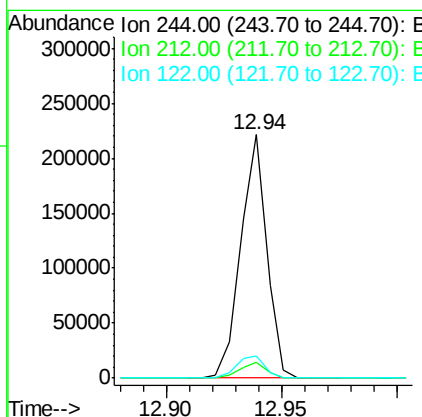
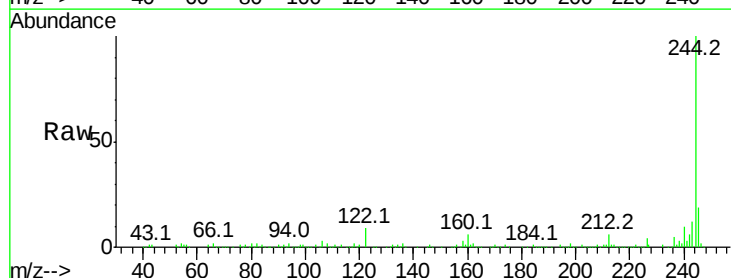
Instrument :
 BNA_F
 ClientSampleId :

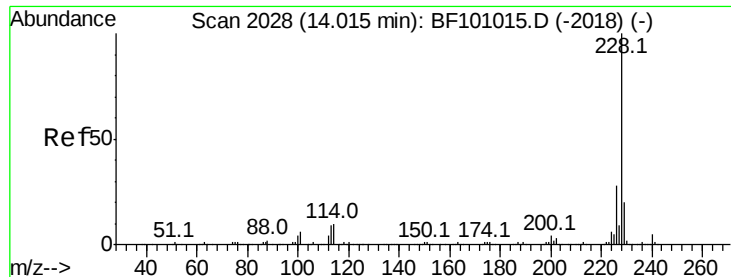
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5



#78
 Terphenyl-d14
 Concen: 37.021 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.3	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 32.766 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

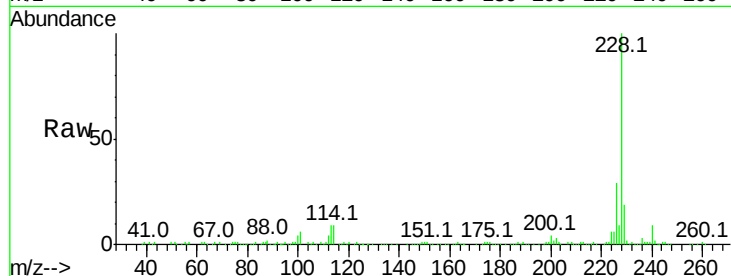
Tot Ion:228 Resp: 213645

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

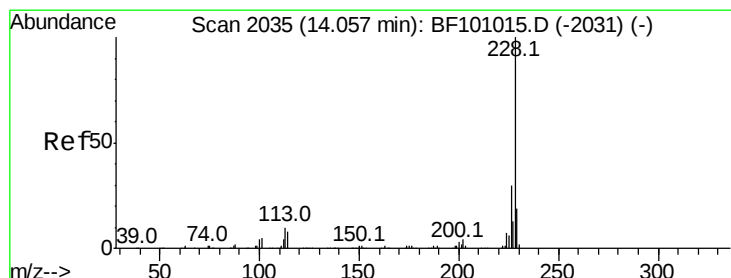
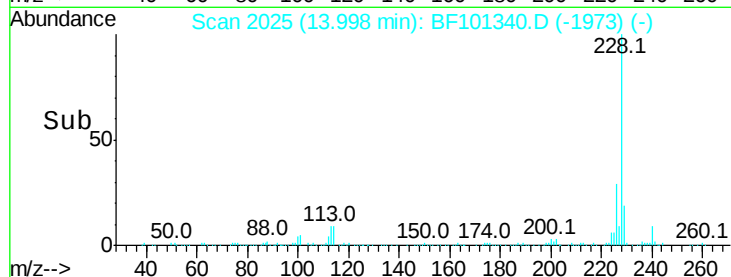
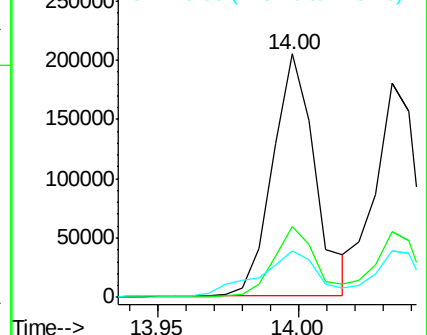
229 19.1 15.8 23.6



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



#82

Chrysene

Concen: 29.566 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

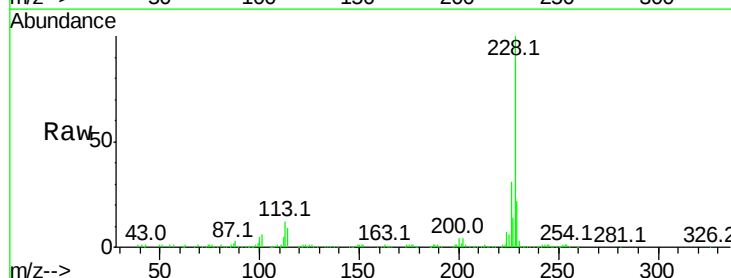
Tgt Ion:228 Resp: 179038

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

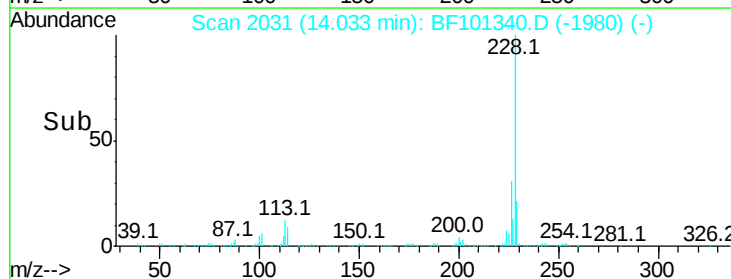
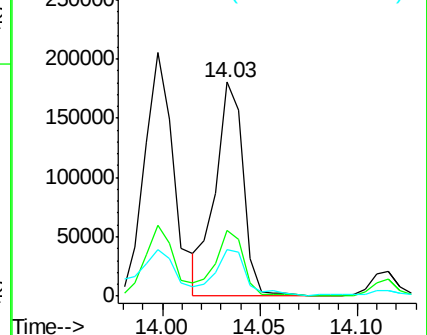
229 21.8 16.2 24.4

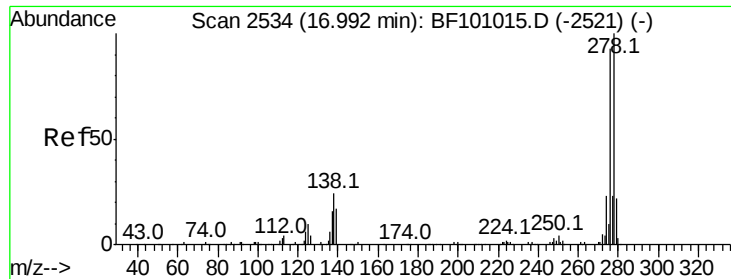


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 26.941 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.03 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

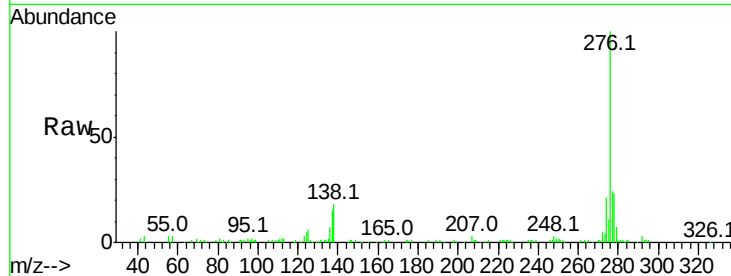
Tot Ion:276 Resp: 145042

Ion Ratio Lower Upper

276 100

138 20.7 25.0 37.6#

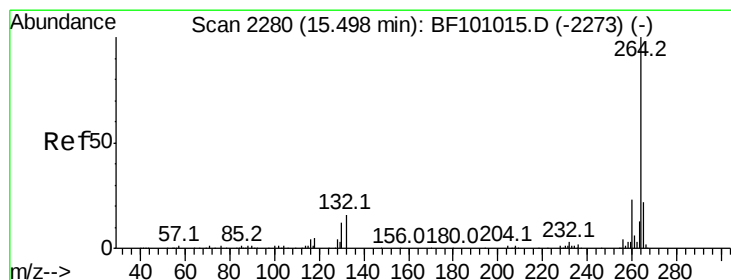
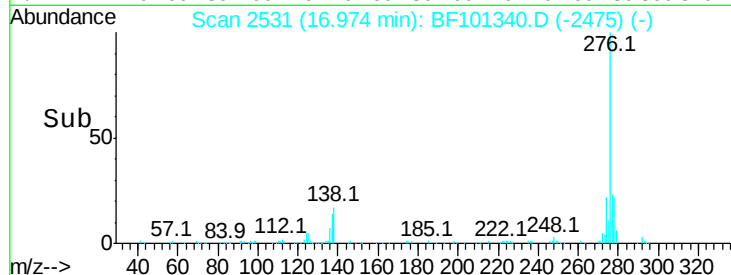
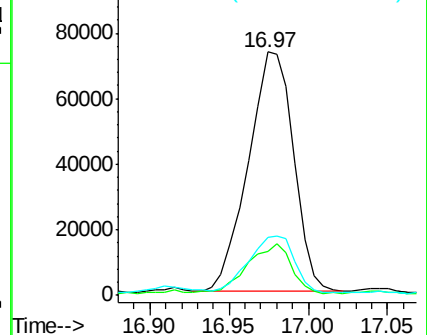
277 24.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

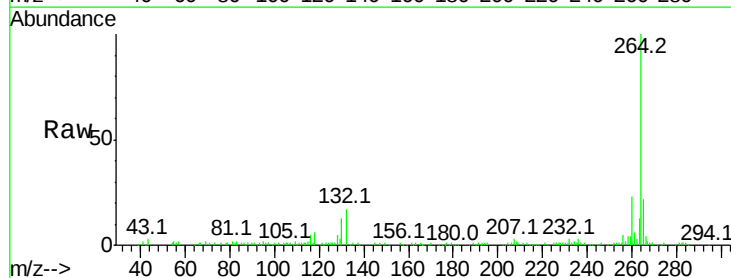
Tgt Ion:264 Resp: 92789

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

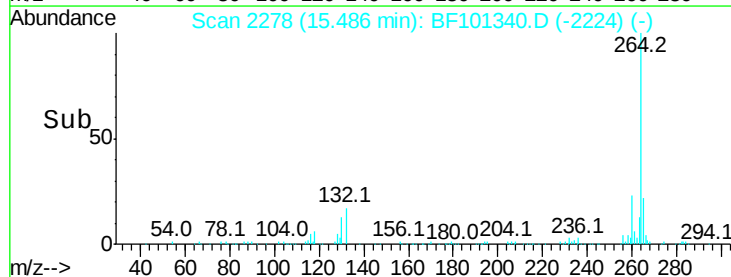
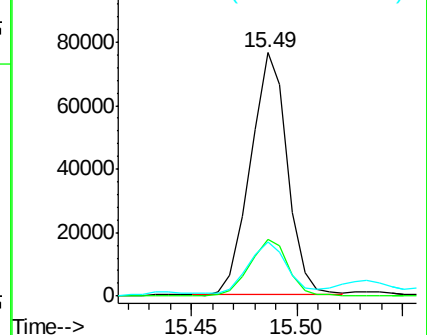
265 22.3 17.5 26.3

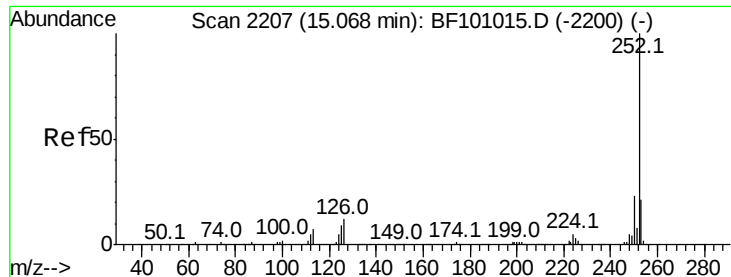


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 68.064 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampled :

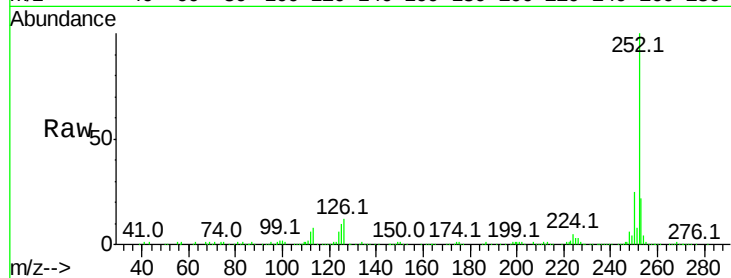
Tot Ion:252 Resp: 378286

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

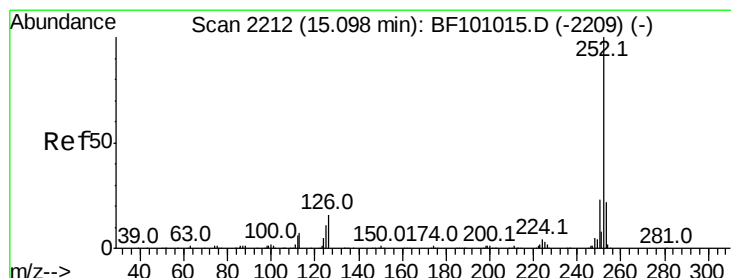
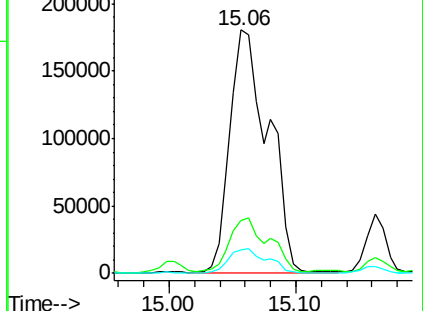
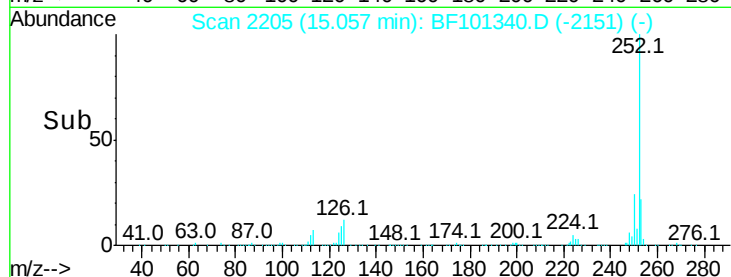
125 9.9 9.0 13.6



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: 8.068 ng

RT: 15.16 min Scan# 2223

Delta R.T. 0.09 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

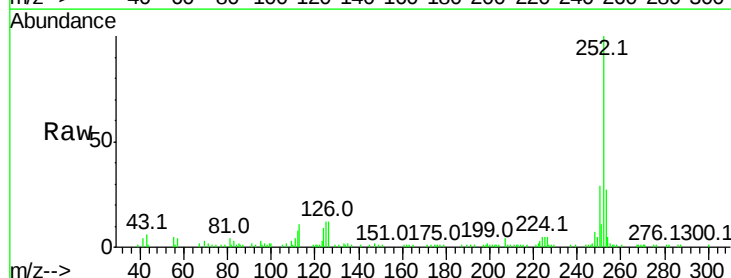
Tgt Ion:252 Resp: 44179

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

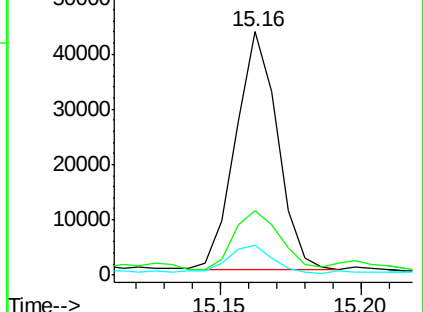
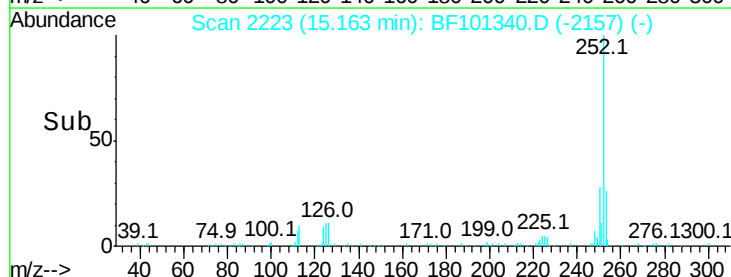
125 12.1 10.2 15.2

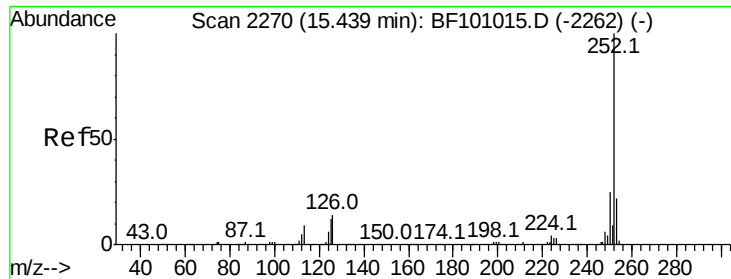


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

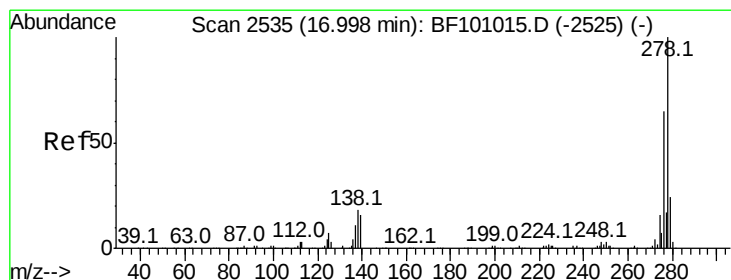
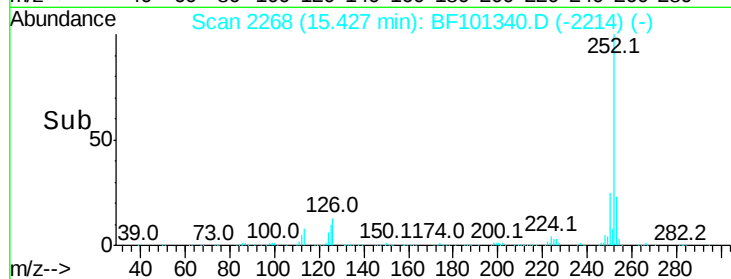
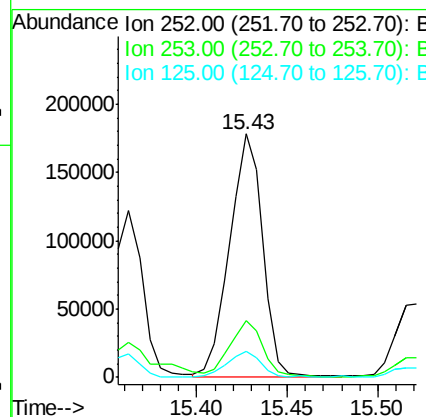
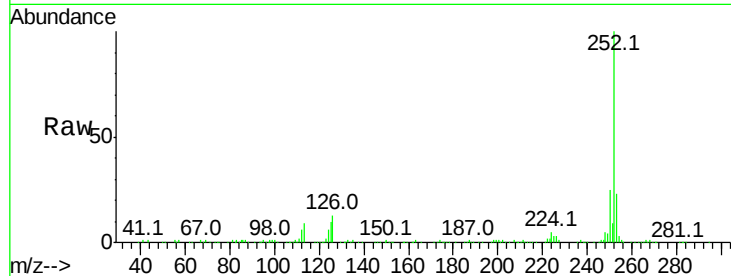




#89
Benzo(a)pyrene
Concen: 44.202 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

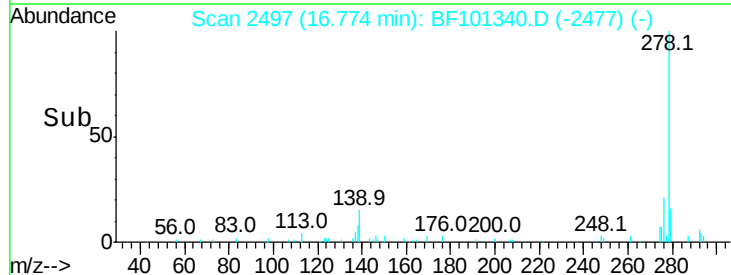
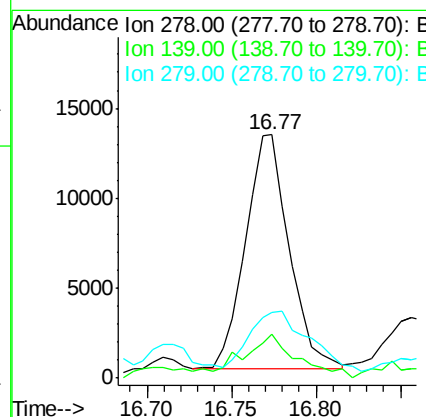
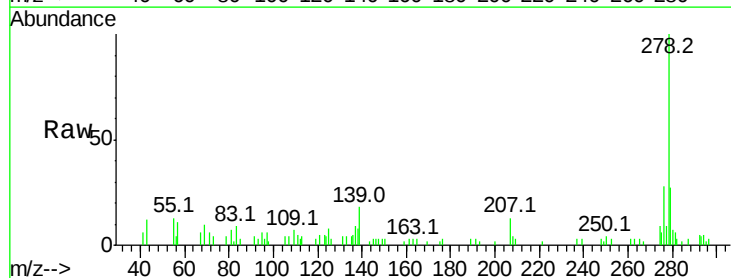
Instrument :
BNA_F
ClientSampleId :

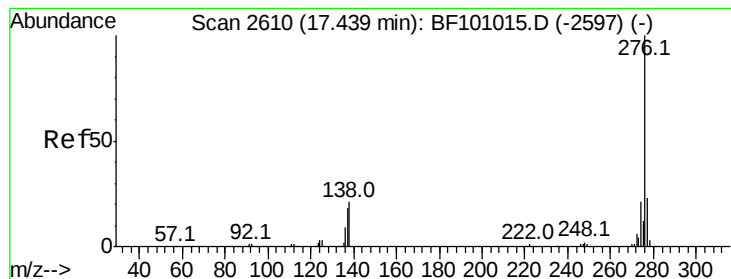
Tot Ion:252 Resp: 223344
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 10.5 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 5.286 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.18 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion:278 Resp: 23546
Ion Ratio Lower Upper
278 100
139 17.9 15.9 23.9
279 27.0 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 32.284 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

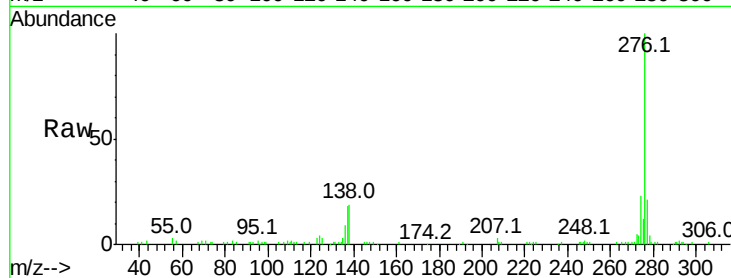
Tot Ion:276 Resp: 135525

Ion Ratio Lower Upper

276 100

277 20.7 17.9 26.9

138 19.2 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

