

Data Path : Z:\HPCHEM1\BNA F\Data\BF030118\
 Data File : BF103328.D
 Acq On : 1 Mar 2018 11:29
 Operator : SJ/JU
 Sample : J1710-04 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 12:39:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.869	152	146271	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	618017	20.00	ng	0.00
38) Acenaphthene-d10	9.910	164	271659	20.00	ng	0.00
63) Phenanthrene-d10	11.404	188	486197	20.00	ng	0.00
75) Chrysene-d12	14.057	240	257924	20.00	ng	0.00
86) Perylene-d12	15.556	264	247785	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	264067	27.30	ng	0.00
7) Phenol-d6	6.504	99	328723	27.78	ng	0.00
23) Nitrobenzene-d5	7.433	82	184992	17.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.710	330	54574	23.73	ng	0.00
44) 2-Fluorobiphenyl	9.227	172	303161	14.21	ng	0.00
78) Terphenyl-d14	12.986	244	236779	22.07	ng	0.00

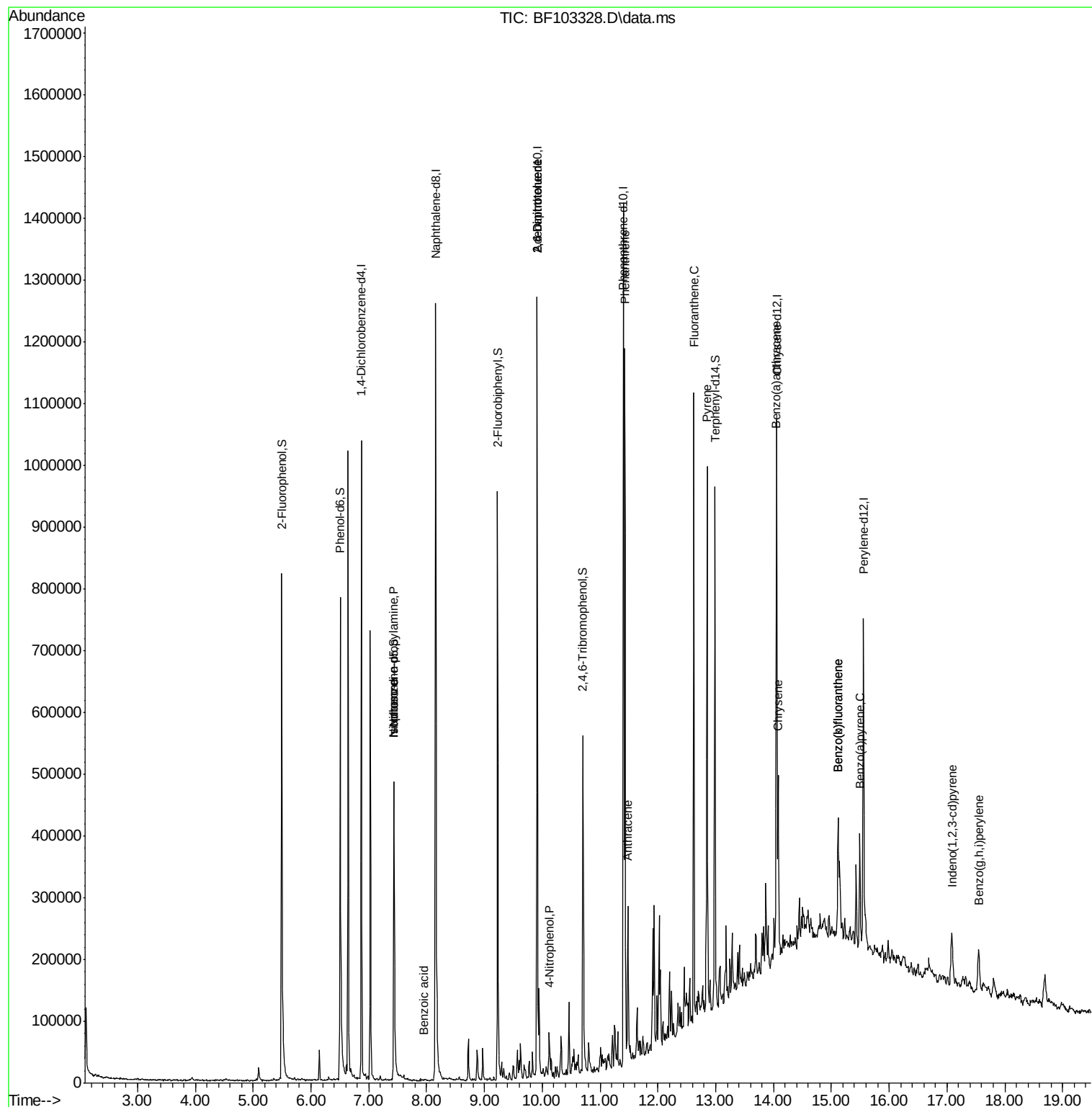
Target Compounds				Qvalue		
9) Benzaldehyde	6.434	77	543	Below Cal	#	49
19) n-Nitroso-di-n-propyla...	7.433	70	25531	3.47	ng	81
25) Isophorone	7.433	82	185016	8.68	ng	64
32) Benzoic acid	7.957	122	114	6.93	ng	1
50) 2,6-Dinitrotoluene	9.910	165	35817	7.83	ng	26
55) 4-Nitrophenol	10.121	139	11055	3.07	ng	10
56) 2,4-Dinitrotoluene	9.910	165	35817	6.19	ng	23
70) Phenanthrene	11.427	178	389986	14.58	ng	99
71) Anthracene	11.480	178	97788	3.56	ng	100
74) Fluoranthene	12.621	202	376215	13.99	ng	98
77) Pyrene	12.851	202	363647	18.08	ng	99
80) Benzo(a)anthracene	14.045	228	117818	7.04	ng	99
82) Chrysene	14.080	228	104219	6.41	ng	98
85) Indeno(1,2,3-cd)pyrene	17.080	276	50873	3.95	ng	94
87) Benzo(b)fluoranthene	15.115	252	143547	8.81	ng	# 92
88) Benzo(k)fluoranthene	15.115	252	143547	9.36	ng	# 95
89) Benzo(a)pyrene	15.492	252	84854	5.83	ng	# 92
91) Benzo(g,h,i)perylene	17.550	276	56517	5.14	ng	95

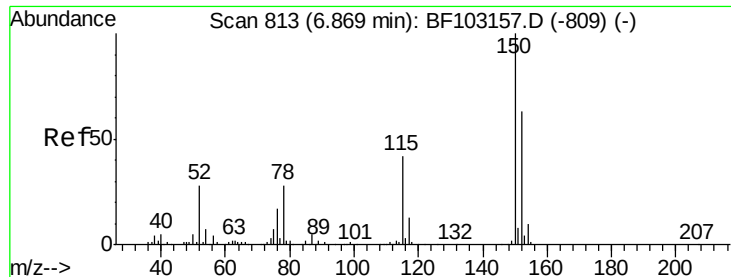
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.869 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

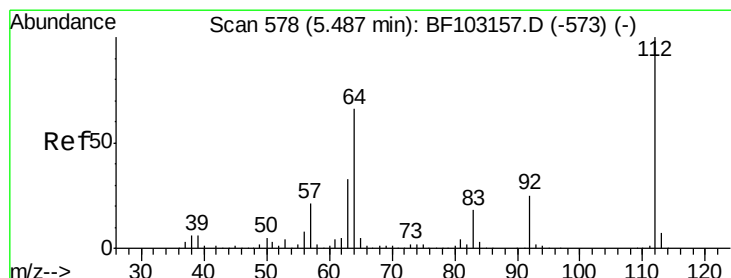
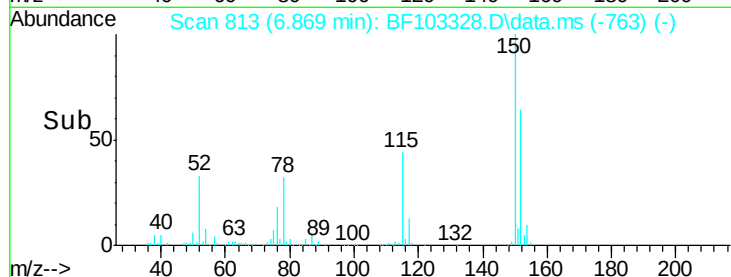
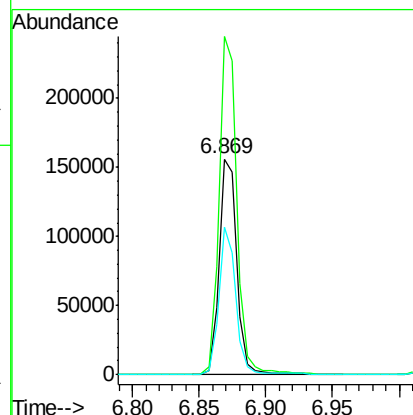
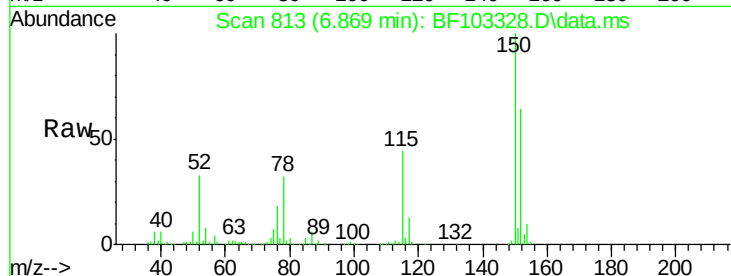
Tot Ion:152 Resp: 146271

Ion Ratio Lower Upper

152 100

150 156.7 124.6 186.8

115 68.4 50.1 75.1



#5

2-Fluorophenol

Concen: 27.30 ng

RT: 5.492 min Scan# 579

Delta R.T. -0.000 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

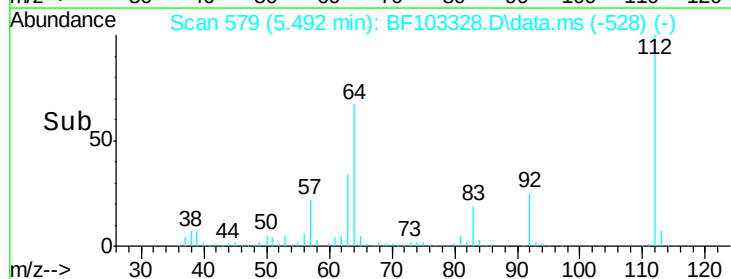
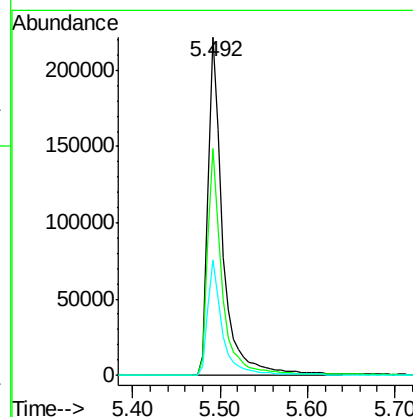
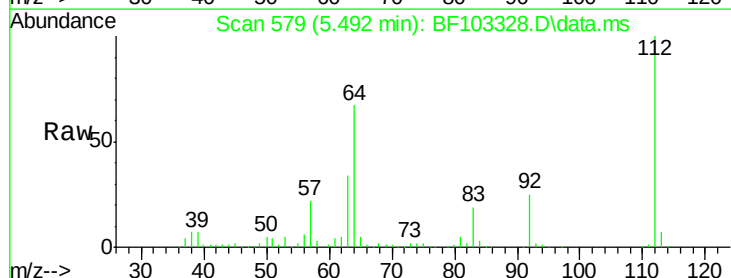
Tgt Ion:112 Resp: 264067

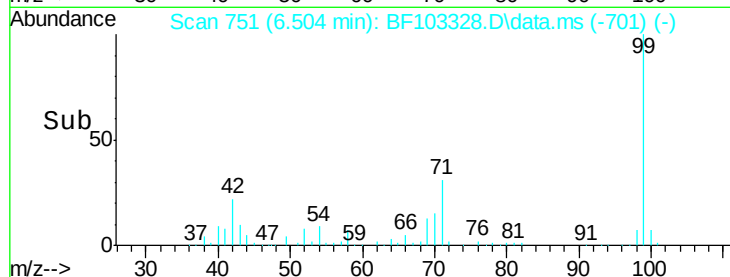
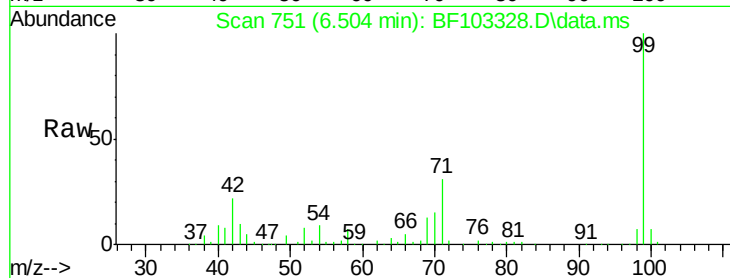
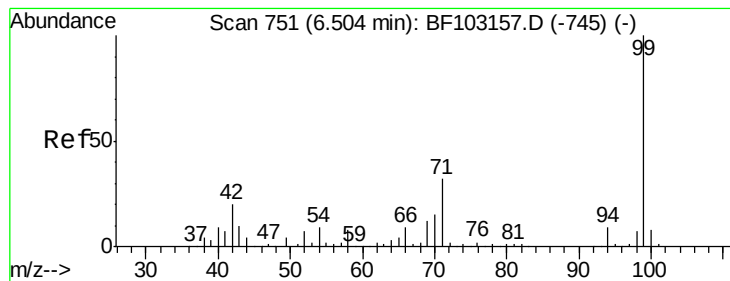
Ion Ratio Lower Upper

112 100

64 67.2 47.9 71.9

63 34.1 23.7 35.5





#7

Phenol-d6

Concen: 27.78 ng

RT: 6.504 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

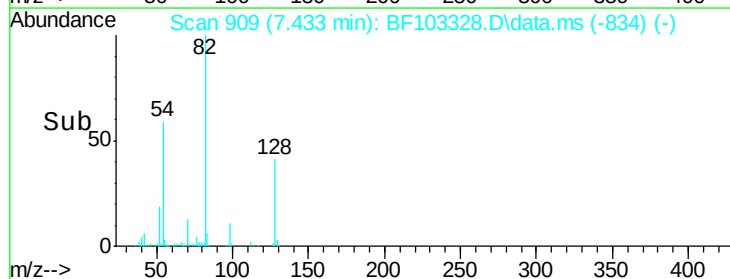
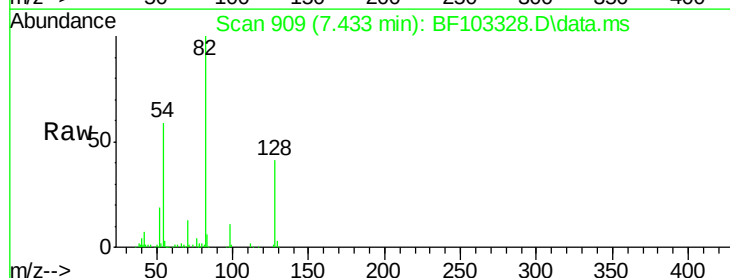
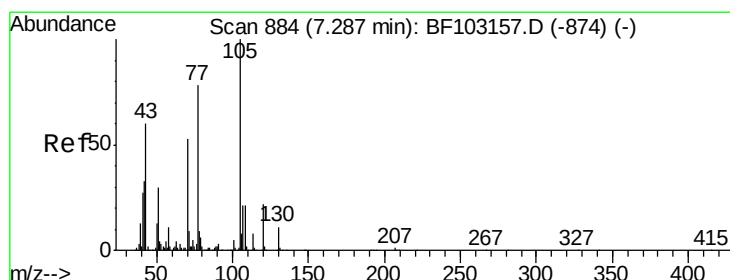
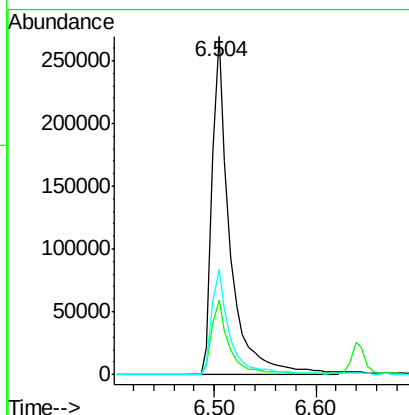
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 328723

Ion	Ratio	Lower	Upper
99	100		
42	22.0	14.5	21.7#
71	30.9	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.47 ng

RT: 7.433 min Scan# 909

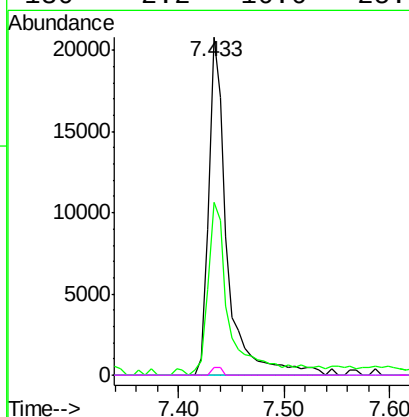
Delta R.T. 0.141 min

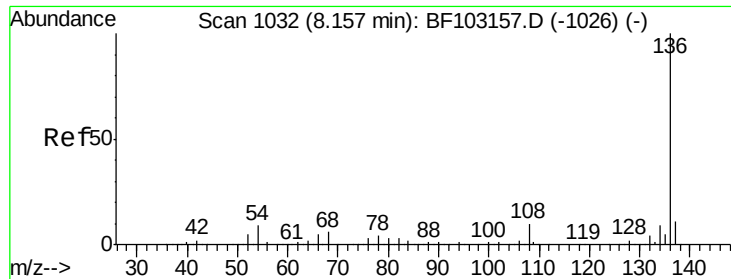
Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion: 70 Resp: 25531

Ion	Ratio	Lower	Upper
70	100		
42	51.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#

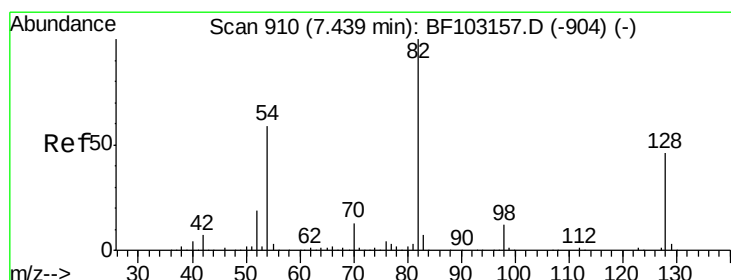
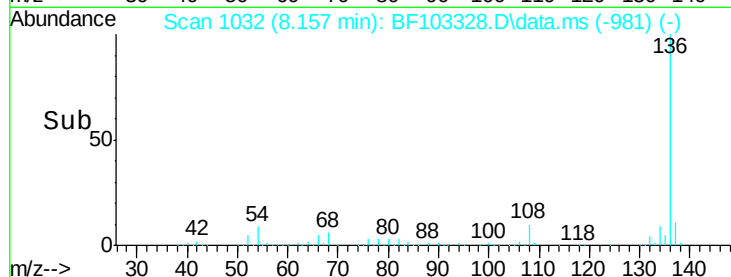
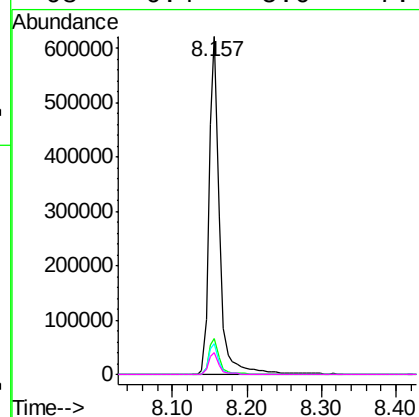
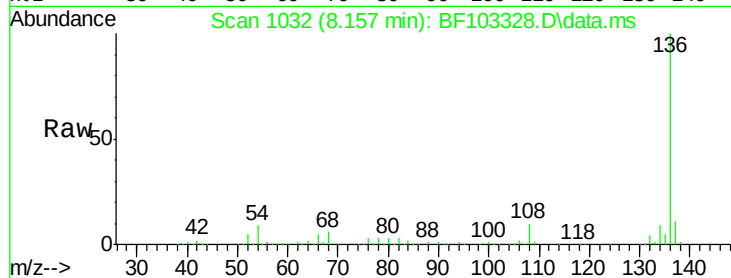




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

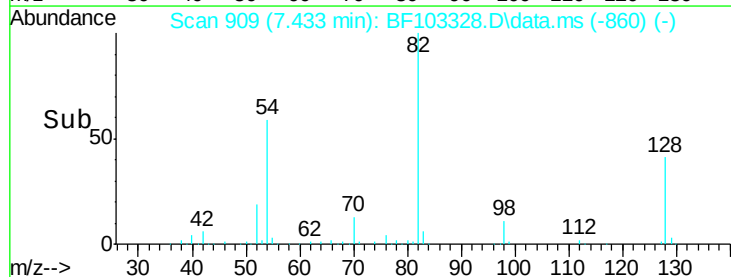
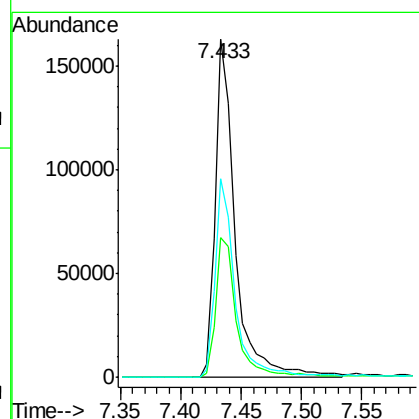
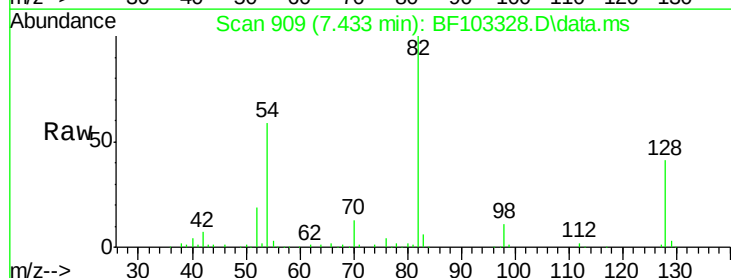
Instrument :
BNA_F
ClientSampleId :

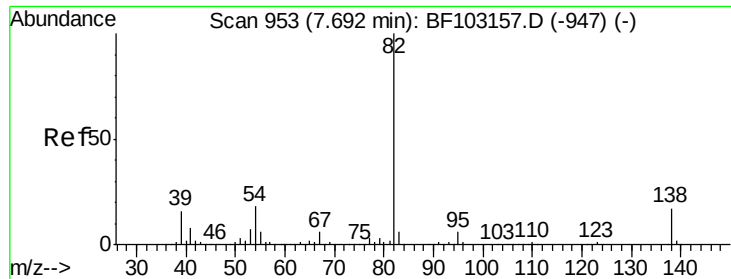
Tot Ion:	136	Resp:	618017
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	9.1	6.6	9.8
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 17.09 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Tgt Ion:	82	Resp:	184992
Ion Ratio	Lower	Upper	
82	100		
128	41.5	36.1	54.1
54	58.5	41.4	62.2





#25

Isophorone

Concen: 8.68 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

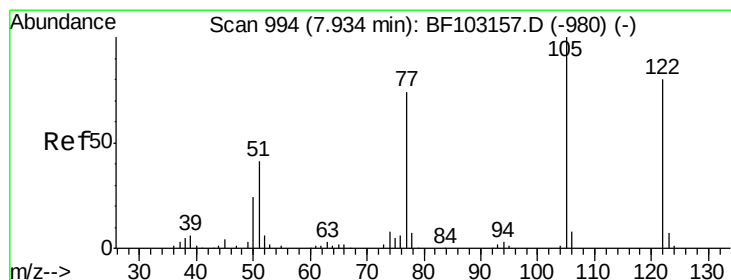
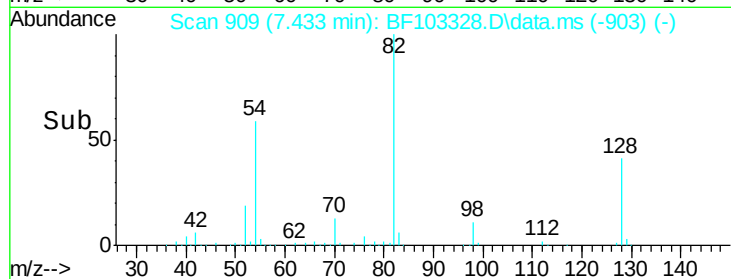
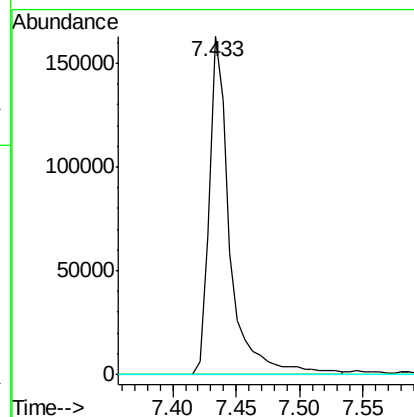
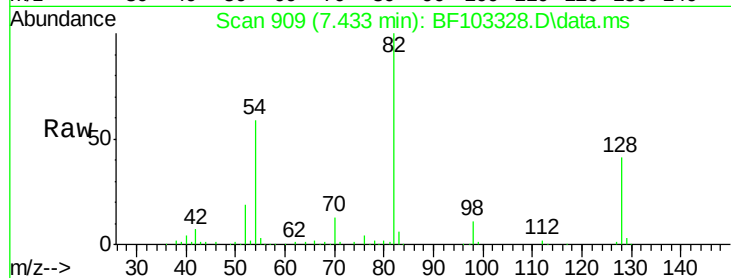
Tot Ion: 82 Resp: 185016

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 6.93 ng

RT: 7.957 min Scan# 998

Delta R.T. 0.012 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

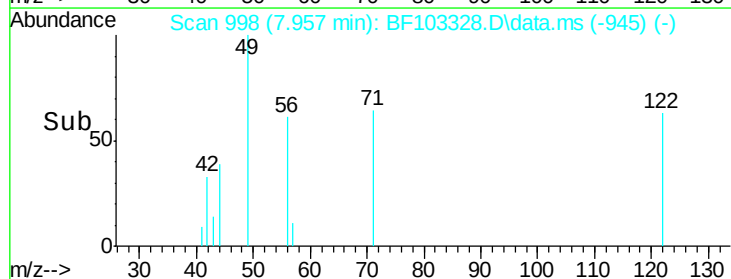
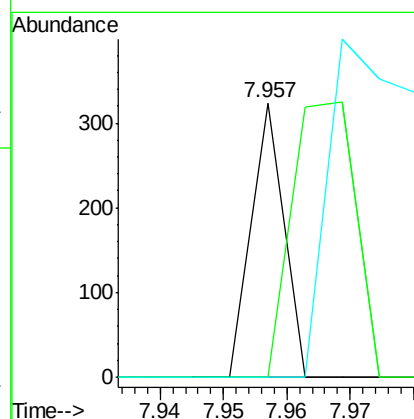
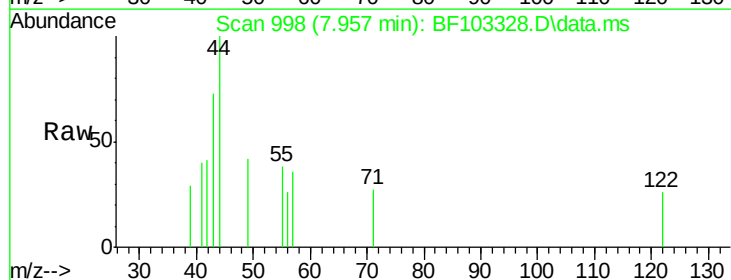
Tgt Ion: 122 Resp: 114

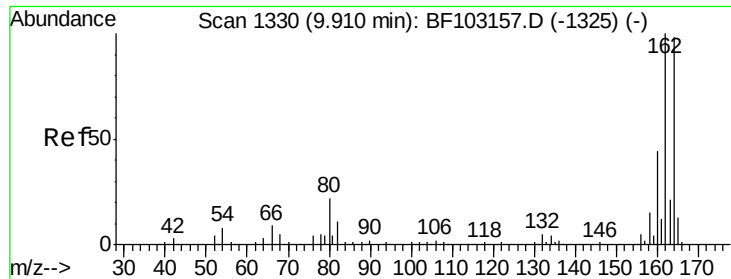
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

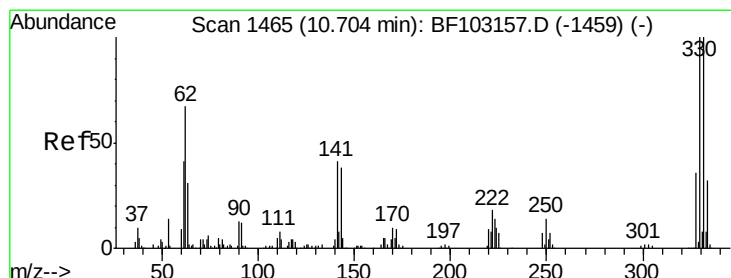
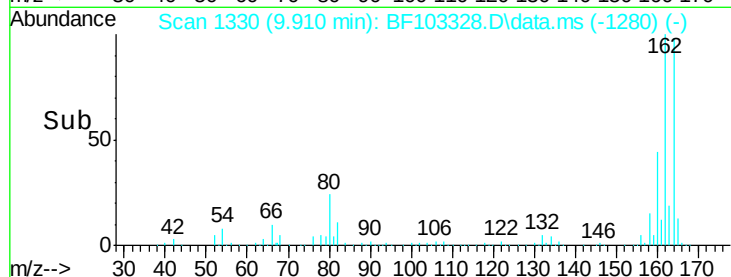
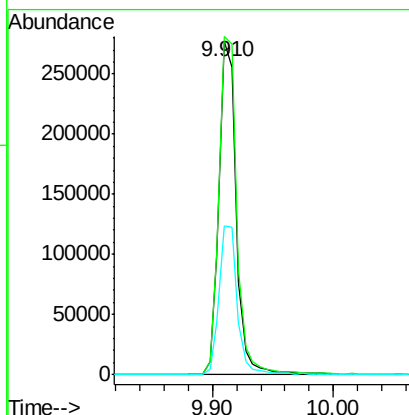
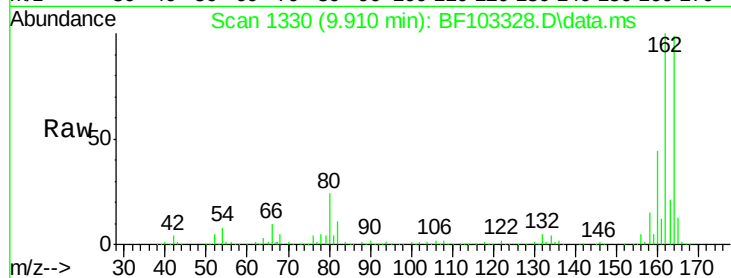
Tot Ion:164 Resp: 271659

Ion Ratio Lower Upper

164 100

162 101.5 86.1 129.1

160 44.5 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 23.73 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

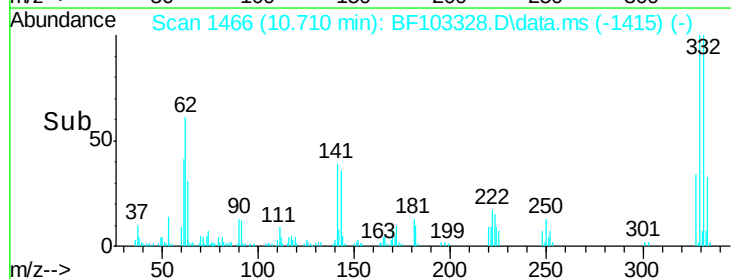
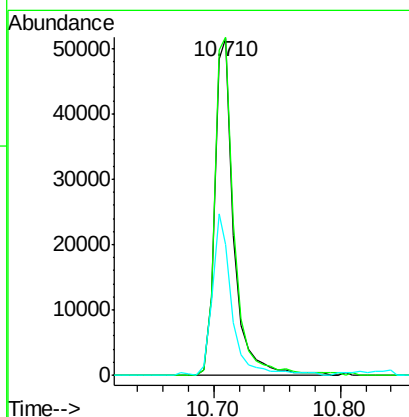
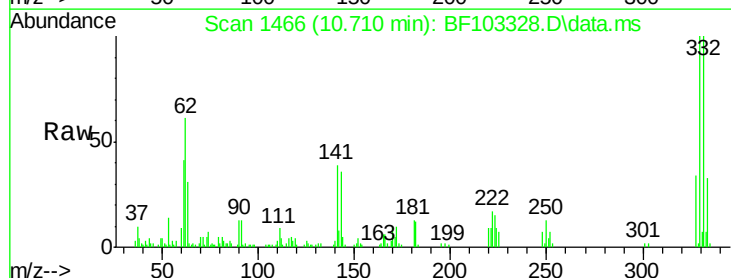
Tgt Ion:330 Resp: 54574

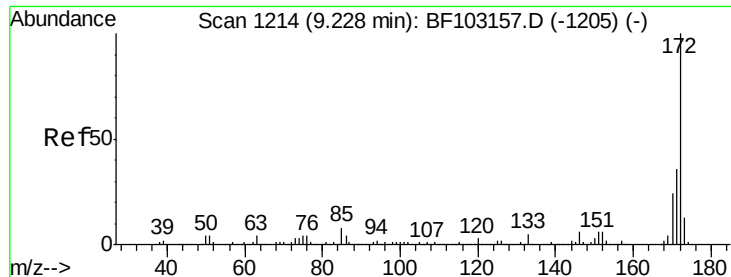
Ion Ratio Lower Upper

330 100

332 103.7 77.0 115.6

141 49.3 29.9 44.9#

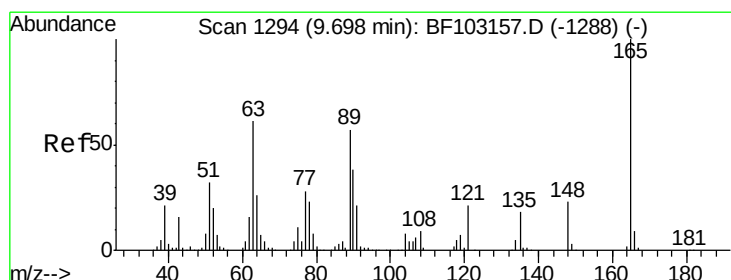
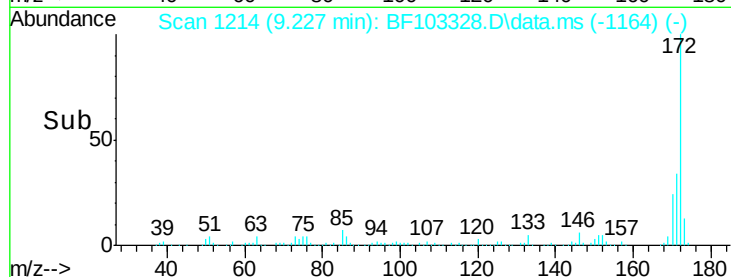
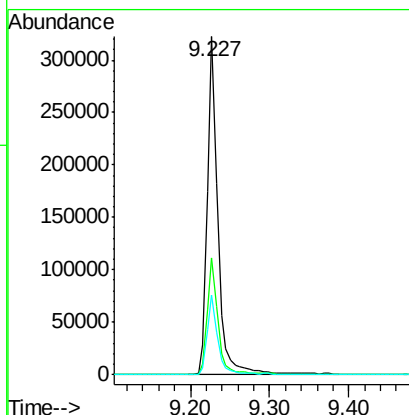
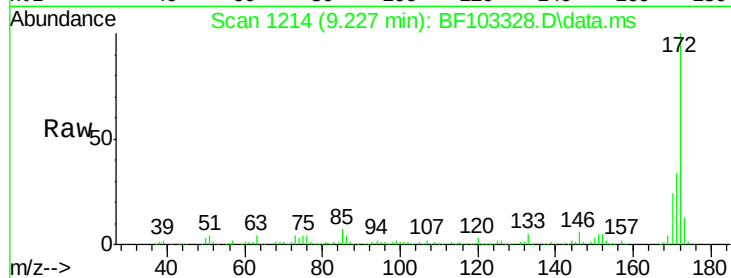




#44
 2-Fluorobiphenyl
 Concen: 14.21 ng
 RT: 9.227 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

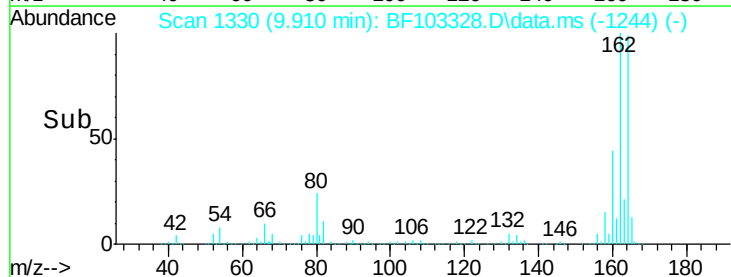
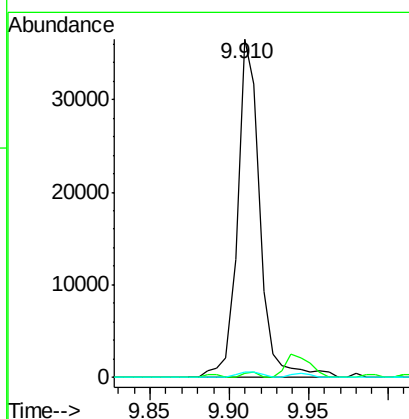
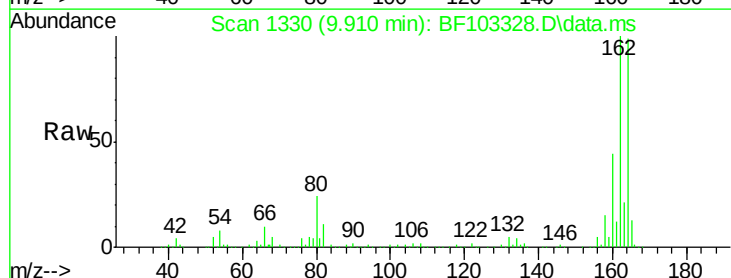
Instrument :
 BNA_F
 ClientSampleId :

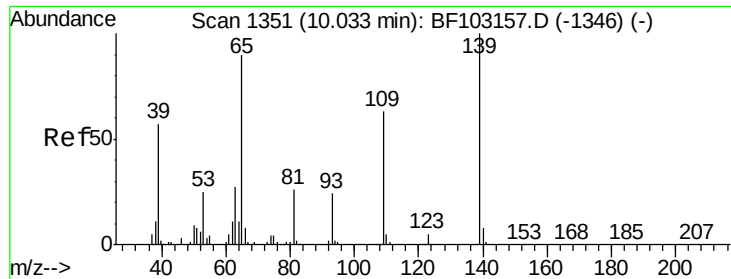
Tot Ion:172 Resp: 303161
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 23.6 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.910 min Scan# 1330
 Delta R.T. 0.206 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

Tgt Ion:165 Resp: 35817
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.6 44.0 66.0#





#55

4-Nitrophenol

Concen: 3.07 ng

RT: 10.121 min Scan# 13

Delta R.T. 0.082 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

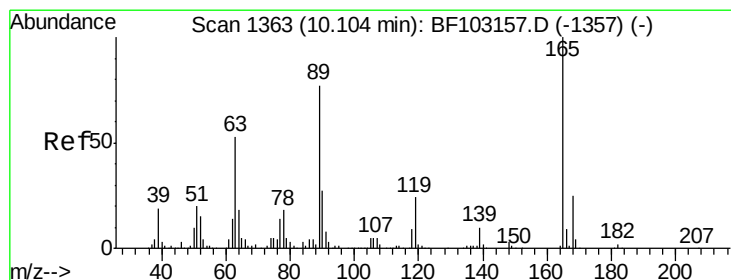
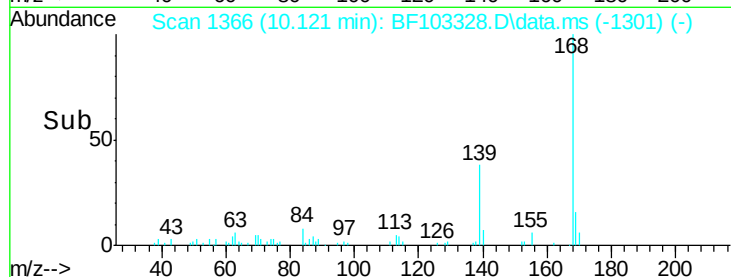
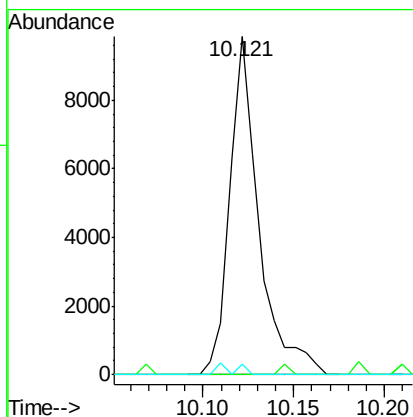
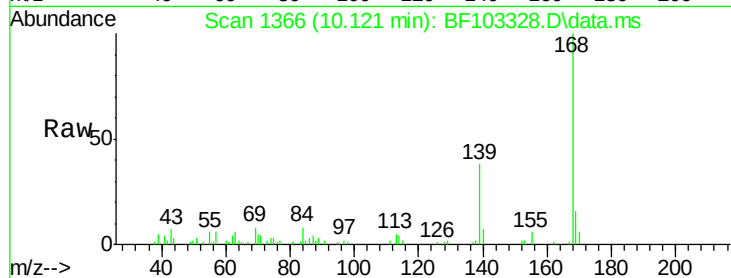
Tot Ion:139 Resp: 11055

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 3.2 72.6 112.6#



#56

2,4-Dinitrotoluene

Concen: 6.19 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.200 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion:165 Resp: 35817

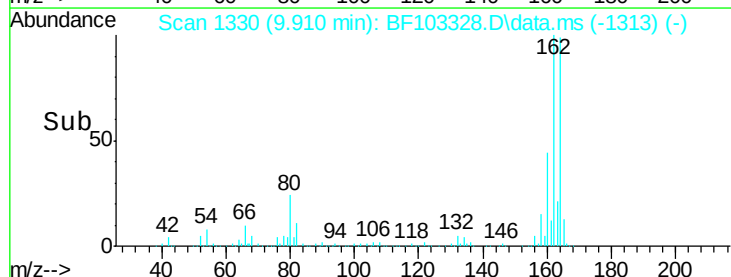
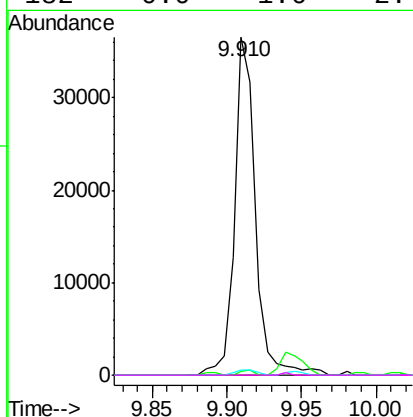
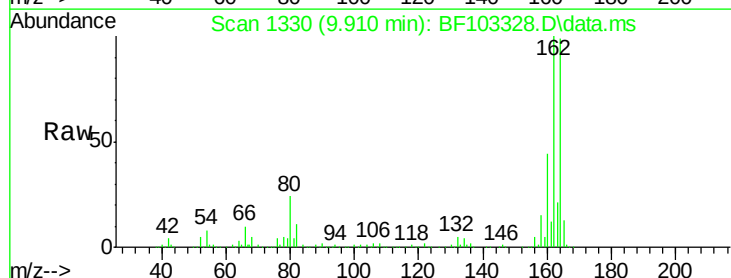
Ion Ratio Lower Upper

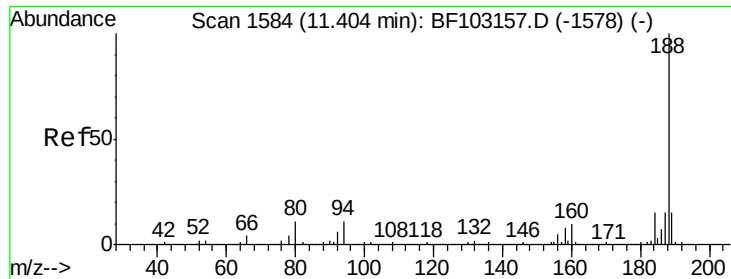
165 100

63 1.2 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

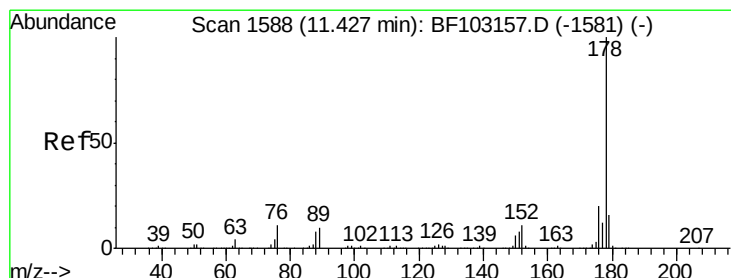
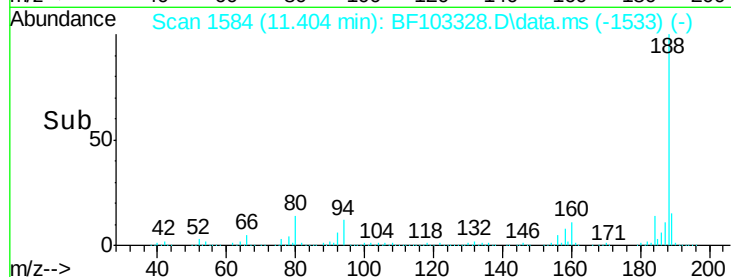
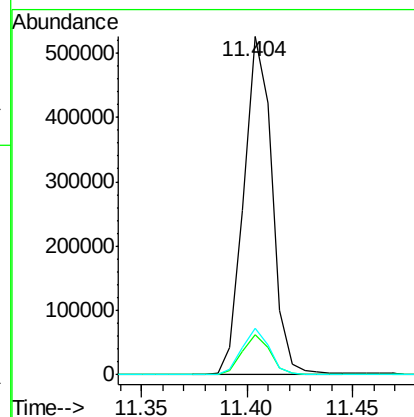
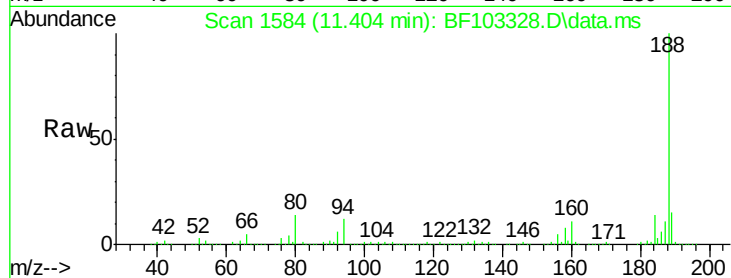
Tot Ion:188 Resp: 486197

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

80 13.6 9.2 13.8



#70

Phenanthrene

Concen: 14.58 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

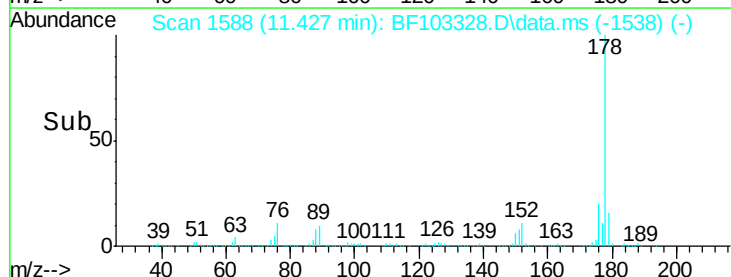
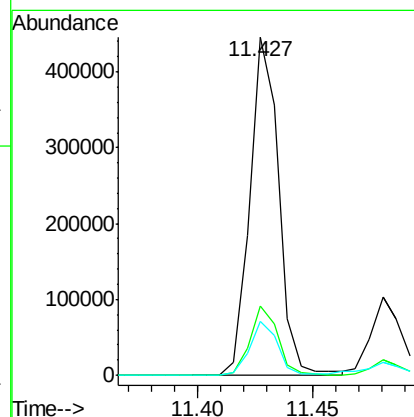
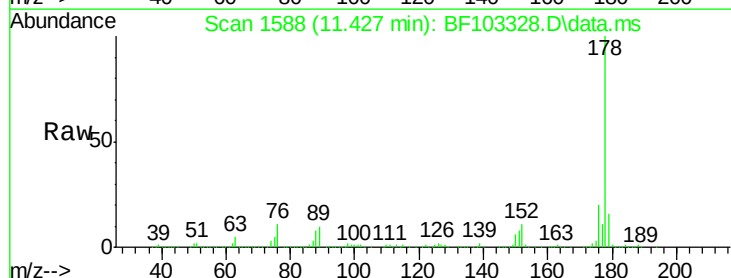
Tgt Ion:178 Resp: 389986

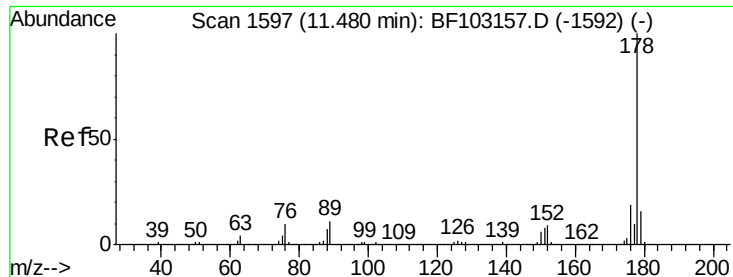
Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

179 16.1 13.0 19.6





#71

Anthracene

Concen: 3.56 ng

RT: 11.480 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

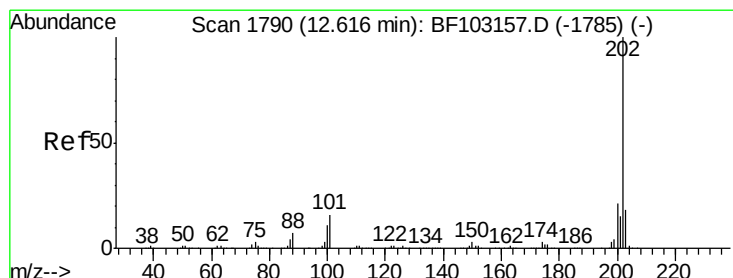
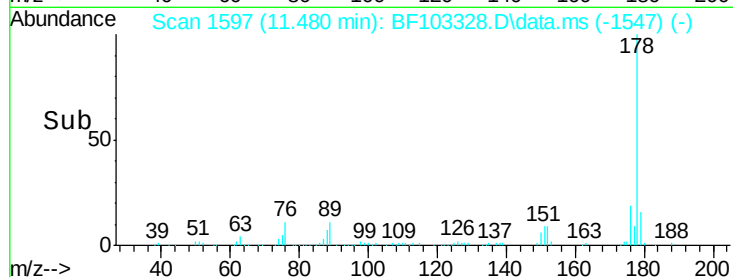
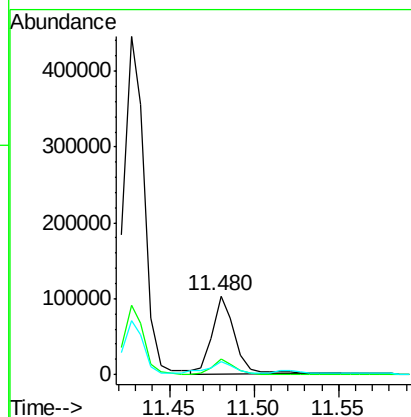
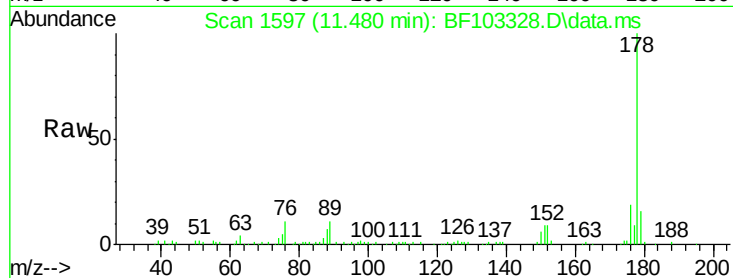
Tot Ion:178 Resp: 97788

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 16.1 12.6 19.0



#74

Fluoranthene

Concen: 13.99 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.000 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

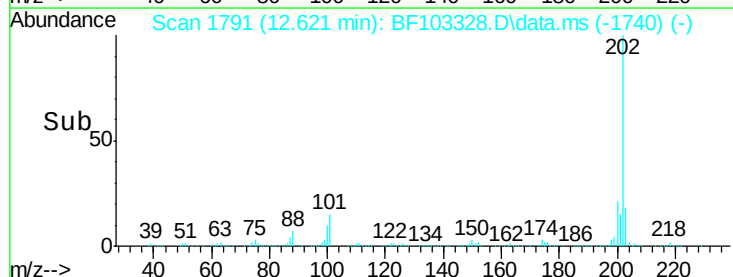
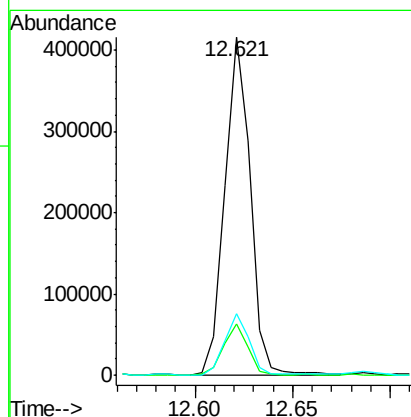
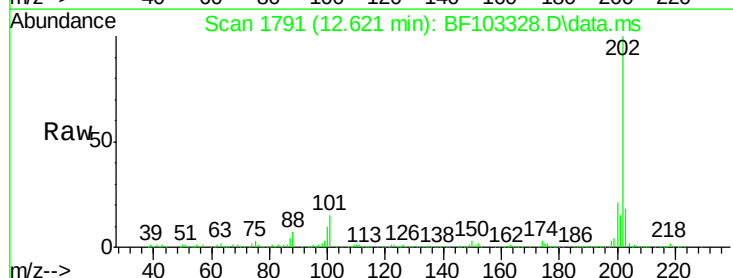
Tgt Ion:202 Resp: 376215

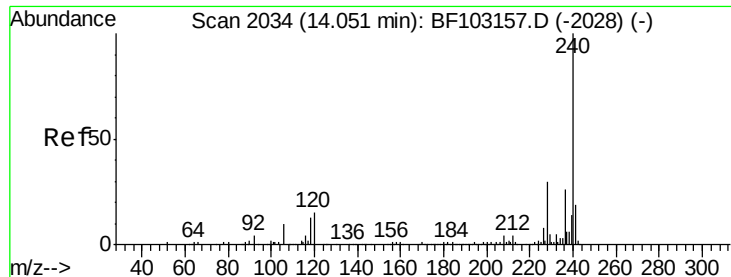
Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

203 18.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

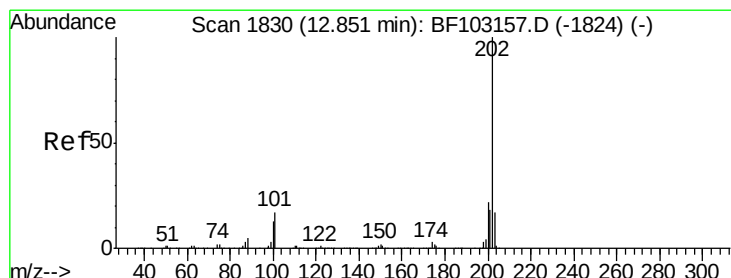
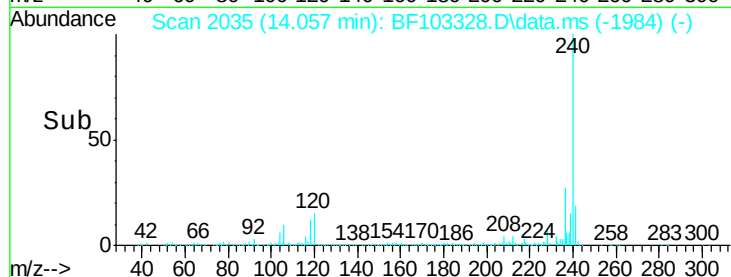
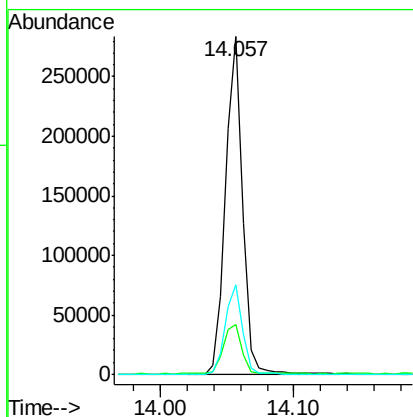
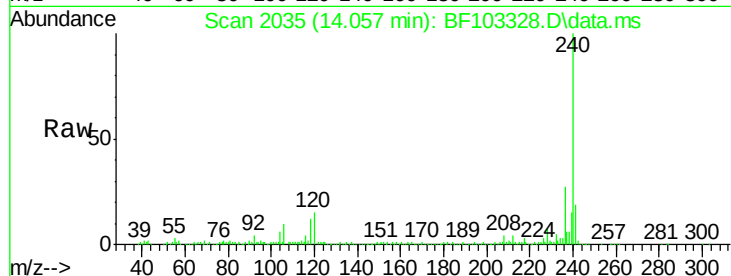
Tot Ion:240 Resp: 257924

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

236 26.7 20.7 31.1



#77

Pyrene

Concen: 18.08 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

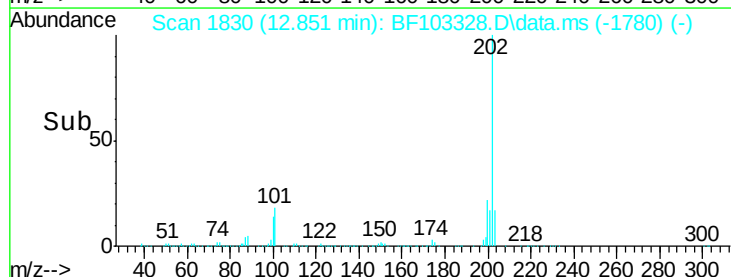
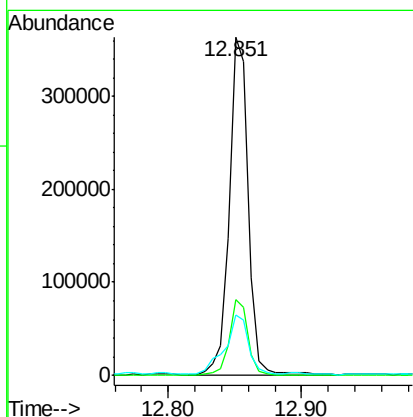
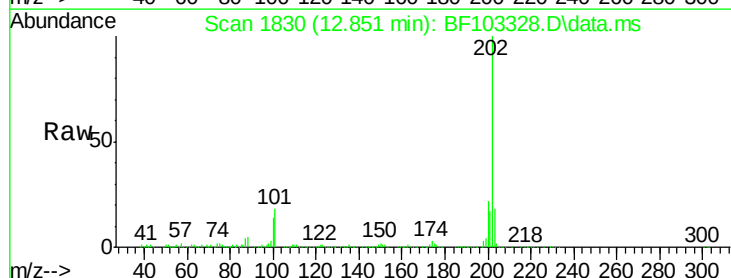
Tgt Ion:202 Resp: 363647

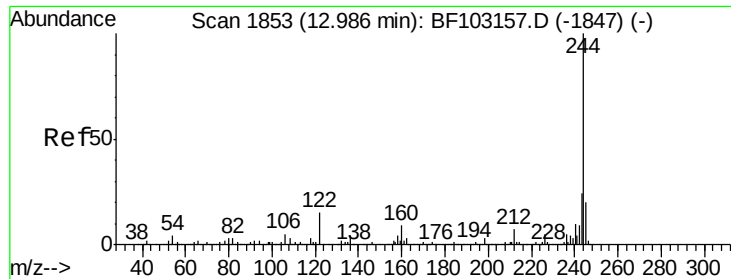
Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

203 18.0 14.3 21.5





#78

Terphenyl-d14

Concen: 22.07 ng

RT: 12.986 min Scan# 18

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

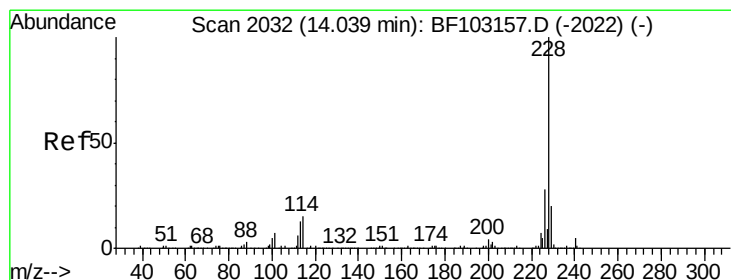
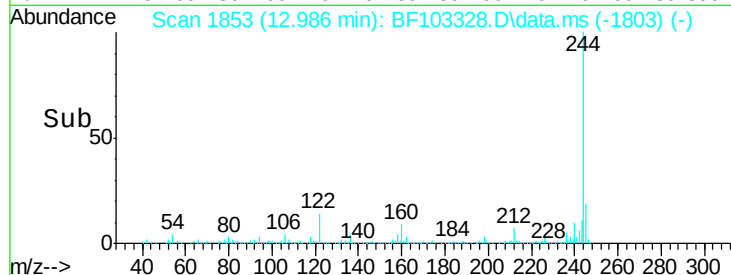
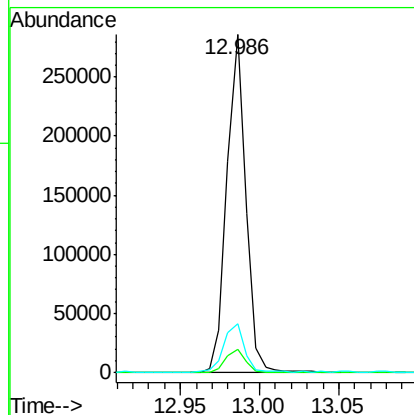
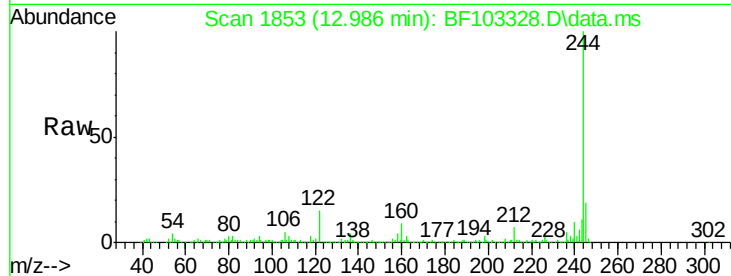
Tot Ion:244 Resp: 236779

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 14.6 11.0 16.4



#80

Benzo(a)anthracene

Concen: 7.04 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

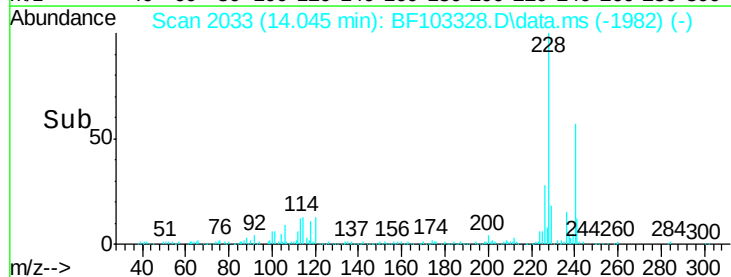
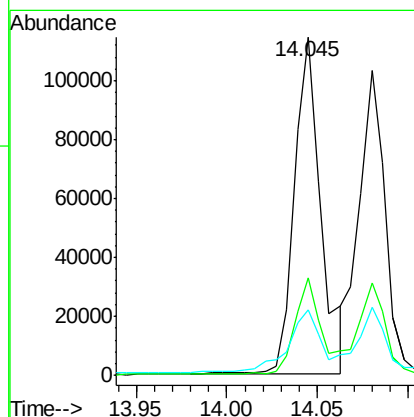
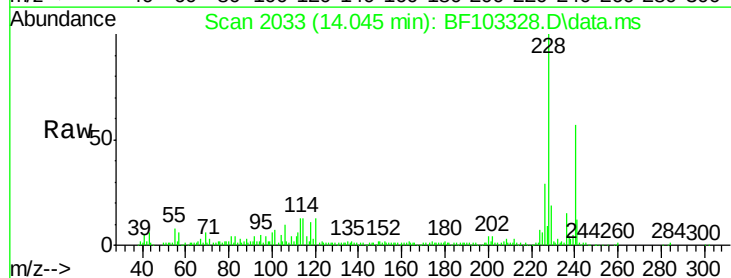
Tgt Ion:228 Resp: 117818

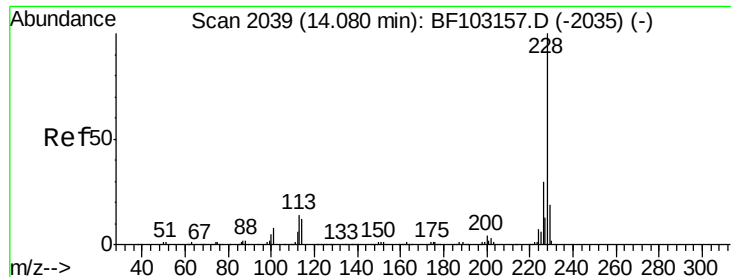
Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

229 19.2 15.8 23.6





#82

Chrysene

Concen: 6.41 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

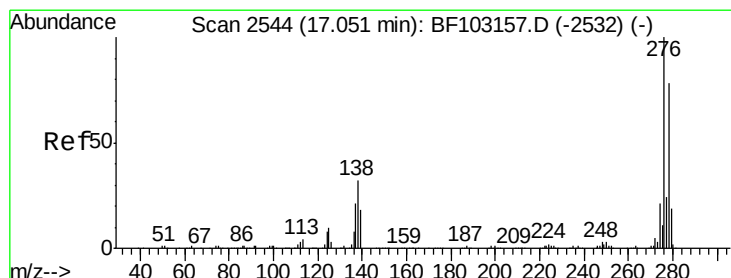
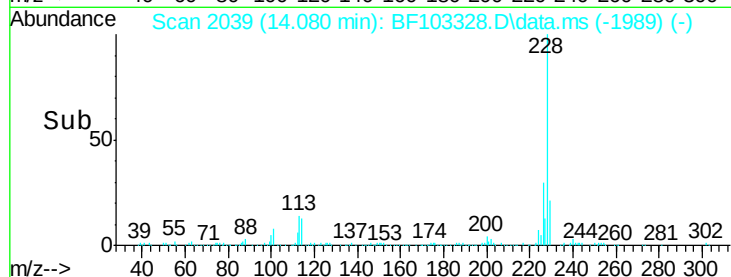
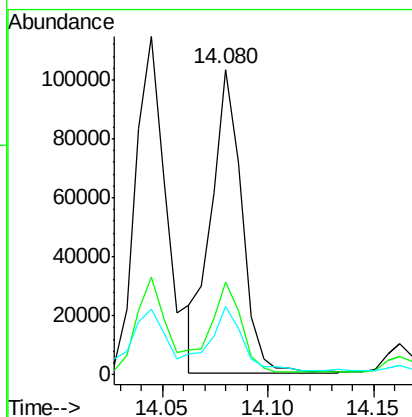
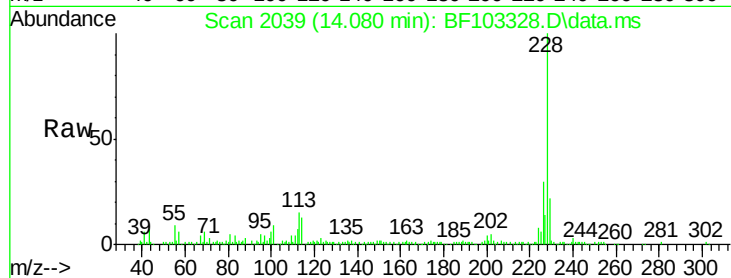
Tot Ion:228 Resp: 104219

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 22.2 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.95 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

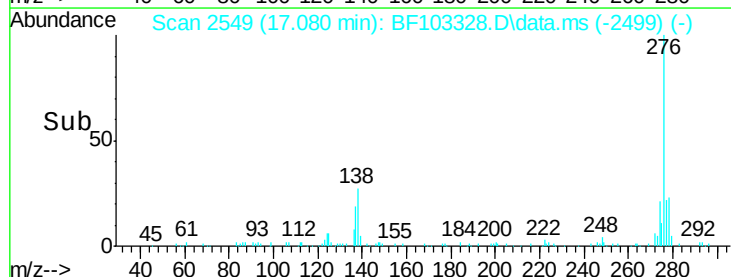
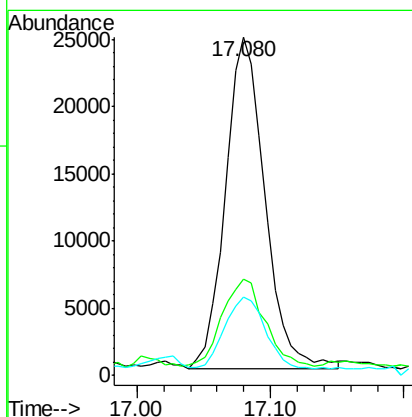
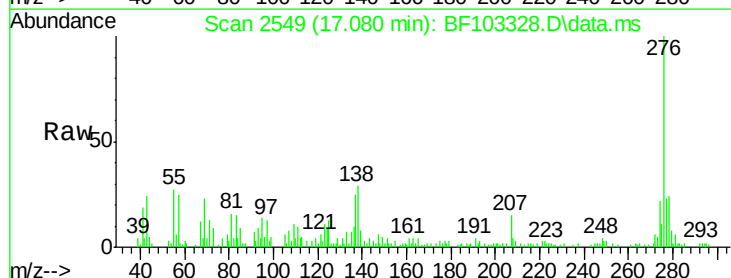
Tgt Ion:276 Resp: 50873

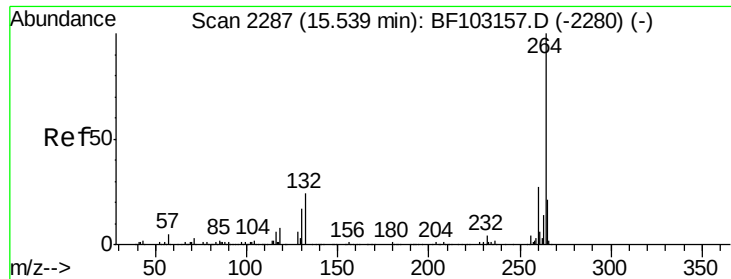
Ion Ratio Lower Upper

276 100

138 28.1 25.0 37.6

277 22.4 20.1 30.1

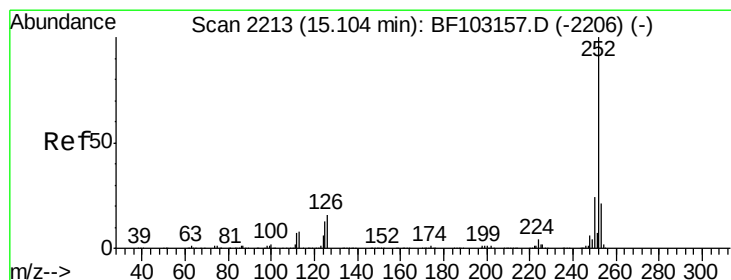
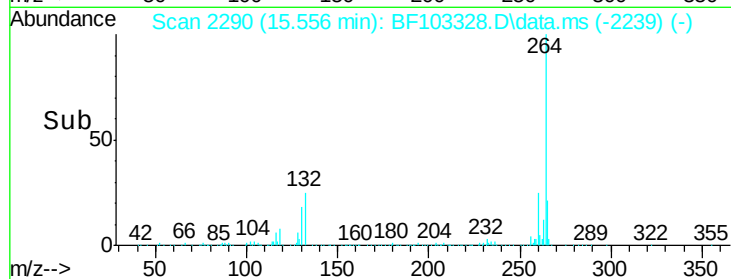
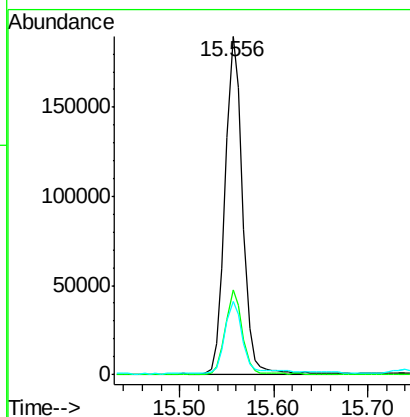
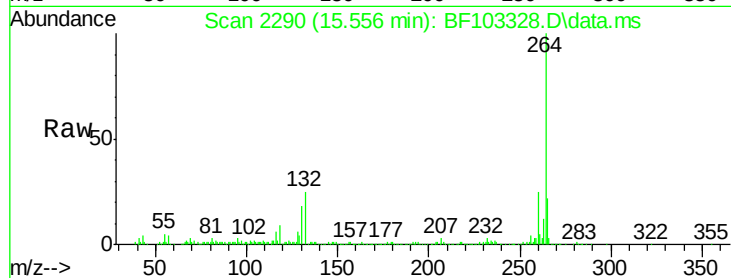




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.556 min Scan# 2287
Delta R.T. -0.000 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

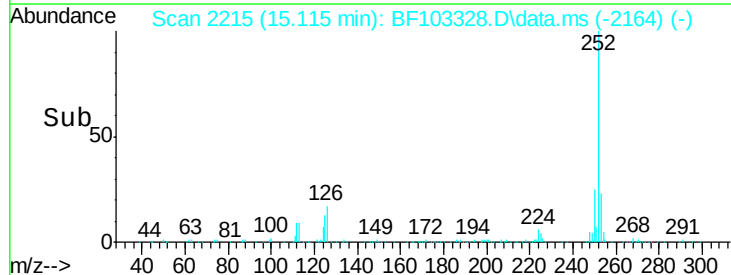
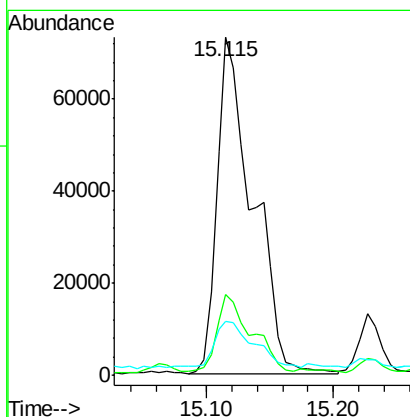
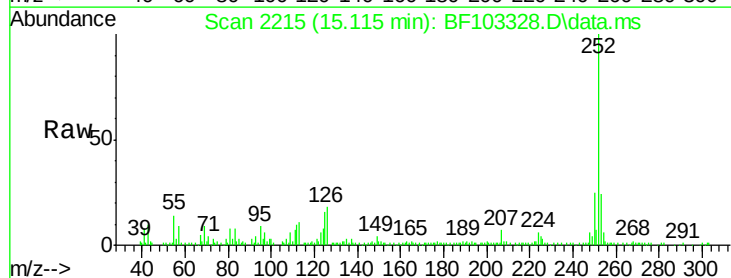
Instrument :
BNA_F
ClientSampleId :

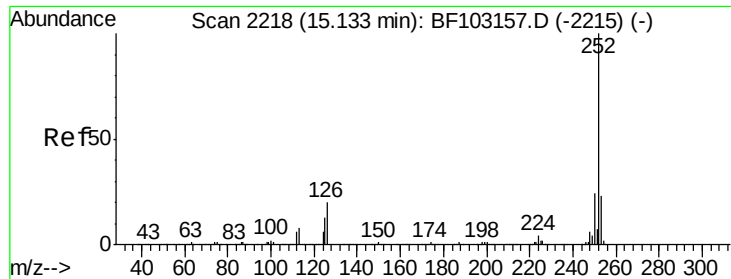
Tot Ion:264 Resp: 247785
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.81 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Tgt Ion:252 Resp: 143547
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 15.8 9.0 13.6#

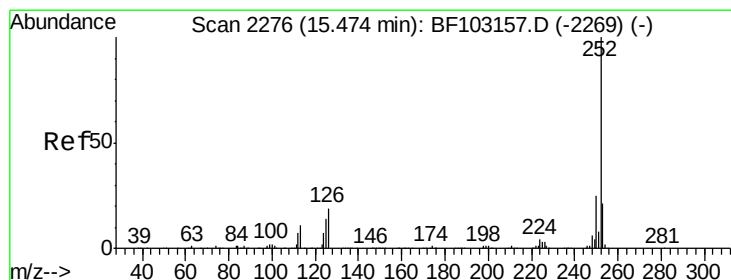
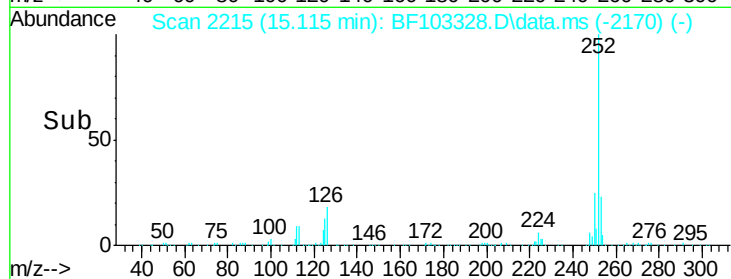
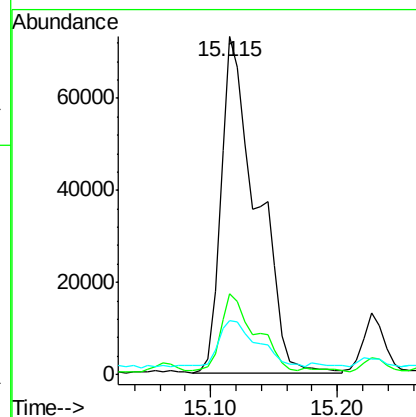
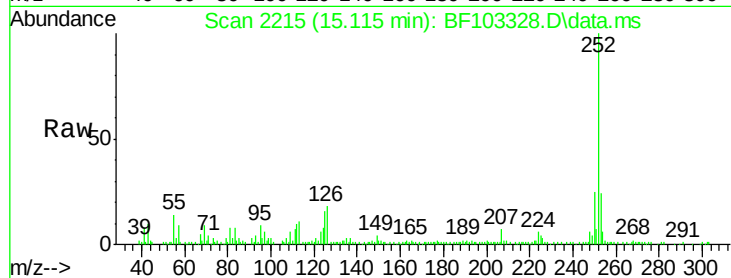




#88
Benzo(k)fluoranthene
Concen: 9.36 ng
RT: 15.115 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

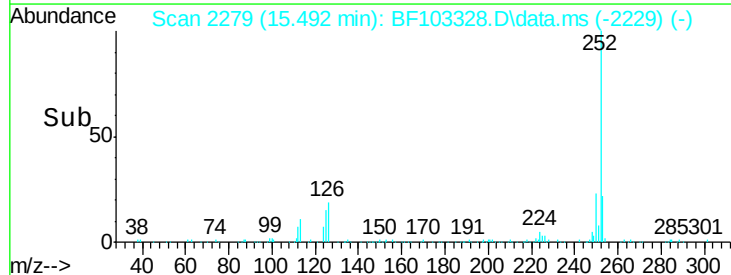
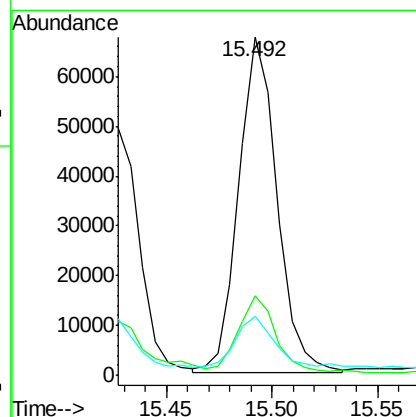
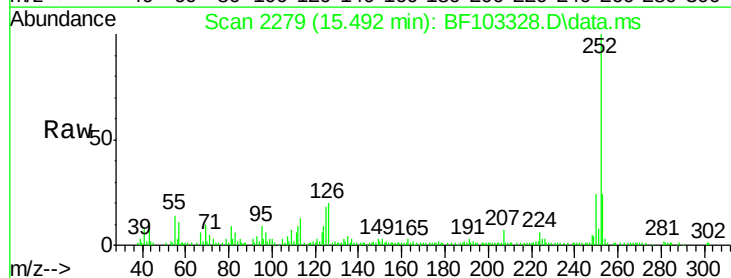
Instrument :
BNA_F
ClientSampleId :

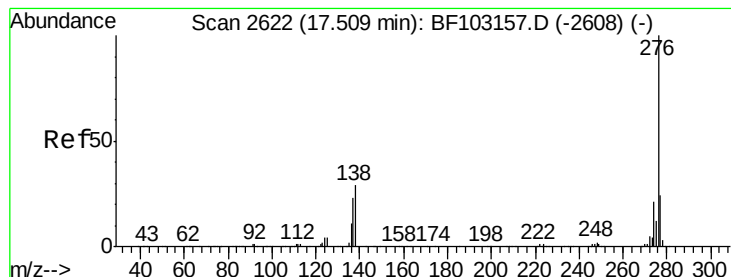
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.83 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	17.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 5.14 ng

RT: 17.550 min Scan# 26

Delta R.T. 0.012 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 56517

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 29.2 21.8 32.8

