

Data Path : Z:\HPCHEM1\BNA F\Data\BF030118\
 Data File : BF103332.D
 Acq On : 1 Mar 2018 13:15
 Operator : SJ/JU
 Sample : J1720-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 14:00:46 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	6.875	152	168147	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	672978	20.00	ng	0.00
38) Acenaphthene-d10	9.916	164	262099	20.00	ng	0.00
63) Phenanthrene-d10	11.404	188	366028	20.00	ng	0.00
75) Chrysene-d12	14.057	240	273175	20.00	ng	0.00
86) Perylene-d12	15.568	264	225571	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.504	112	1123277	101.04	ng	0.01
7) Phenol-d6	6.516	99	1348000	99.09	ng	0.00
23) Nitrobenzene-d5	7.439	82	904399	76.75	ng	0.00
41) 2,4,6-Tribromophenol	10.710	330	180954	81.57	ng	0.00
44) 2-Fluorobiphenyl	9.233	172	1219014	78.71	ng	0.00
78) Terphenyl-d14	12.992	244	781737	68.79	ng	0.00

Target Compounds

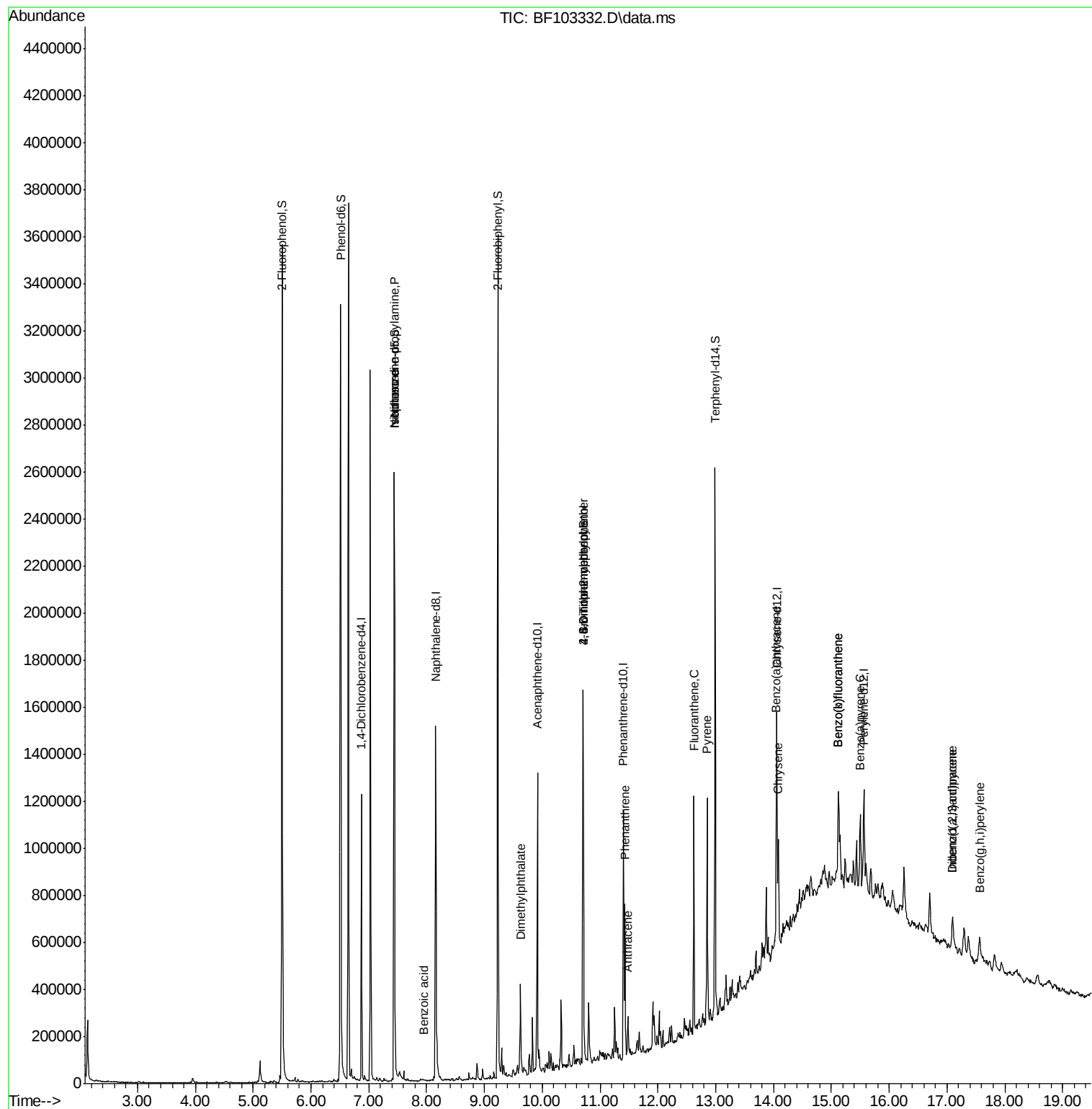
						Qvalue
9) Benzaldehyde	6.434	77	1495	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.439	70	121392	14.34	ng	85
25) Isophorone	7.439	82	904387	38.97	ng	64
32) Benzoic acid	7.957	122	237	6.94	ng	61
49) Dimethylphthalate	9.622	163	135979	6.47	ng	100
64) 4,6-Dinitro-2-methylph...	10.710	198	561	5.17	ng	1
66) 4-Bromophenyl-phenylether	10.710	248	12930	3.39	ng	1
70) Phenanthrene	11.427	178	216431	10.74	ng	99
71) Anthracene	11.480	178	64181	3.11	ng	99
74) Fluoranthene	12.621	202	393192	19.42	ng	99
77) Pyrene	12.857	202	378889	17.79	ng	99
80) Benzo(a)anthracene	14.045	228	203277	11.47	ng	97
82) Chrysene	14.086	228	188008	10.92	ng	97
85) Indeno(1,2,3-cd)pyrene	17.098	276	79269	5.82	ng	98
87) Benzo(b)fluoranthene	15.121	252	305881	20.62	ng	# 86
88) Benzo(k)fluoranthene	15.121	252	305881	21.90	ng	# 89
89) Benzo(a)pyrene	15.504	252	153100	11.56	ng	# 92
90) Dibenzo(a,h)anthracene	17.098	278	21652	2.12	ng	# 70
91) Benzo(a,h,i)perylene	17.568	276	78719	7.87	ng	# 91

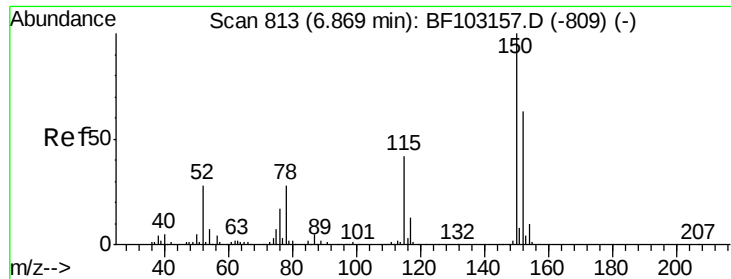
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.875 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampled :

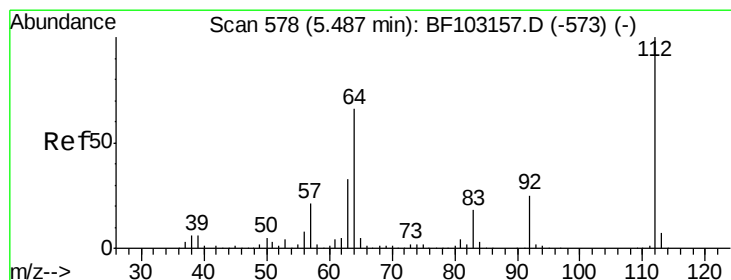
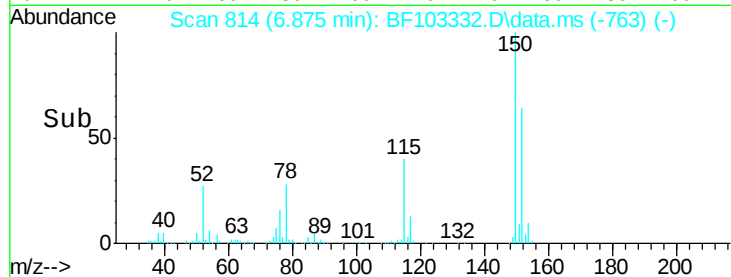
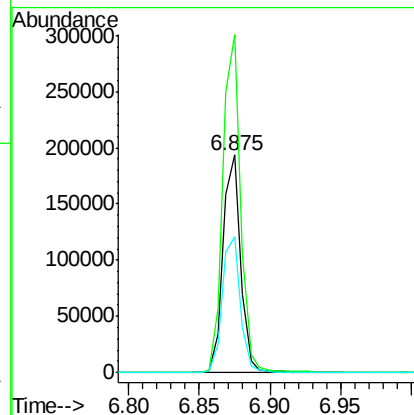
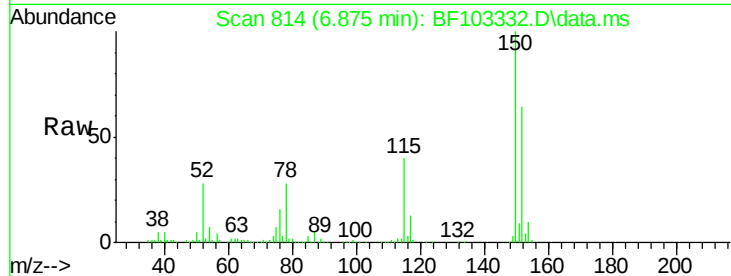
Tot Ion:152 Resp: 168147

Ion Ratio Lower Upper

152 100

150 155.5 124.6 186.8

115 62.4 50.1 75.1



#5

2-Fluorophenol

Concen: 101.04 ng

RT: 5.504 min Scan# 581

Delta R.T. 0.012 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

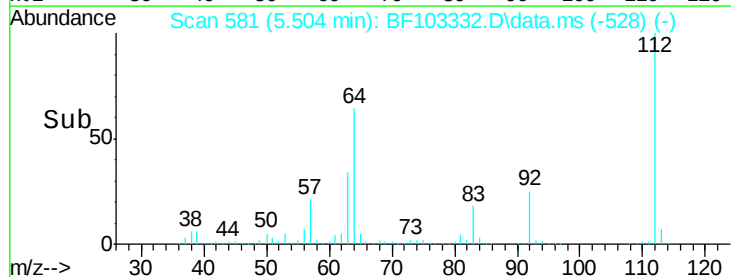
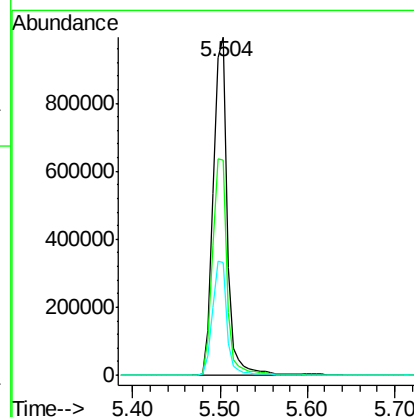
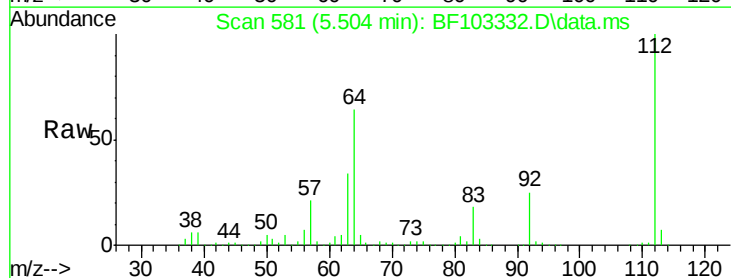
Tgt Ion:112 Resp: 1123277

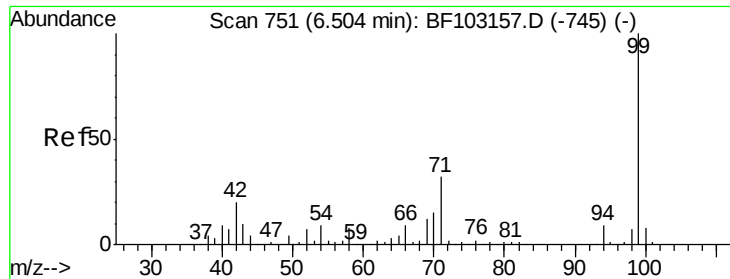
Ion Ratio Lower Upper

112 100

64 63.5 47.9 71.9

63 33.5 23.7 35.5





#7

Phenol-d6

Concen: 99.09 ng

RT: 6.516 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

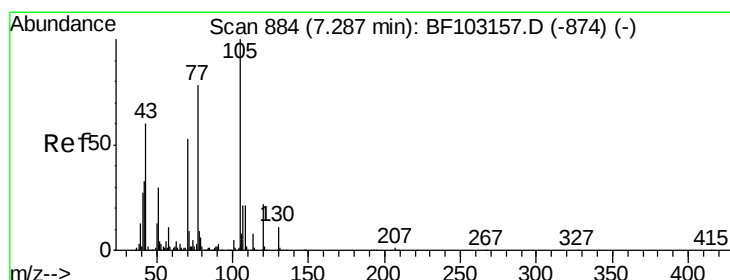
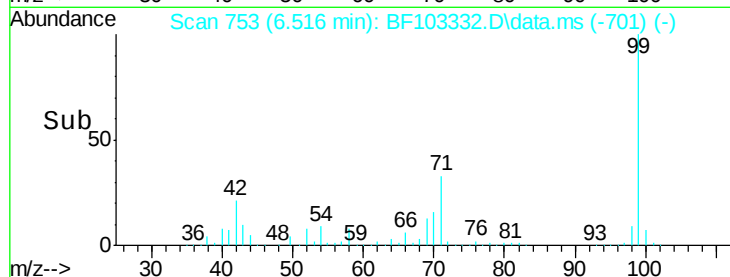
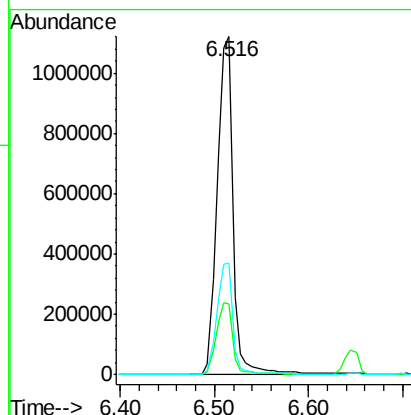
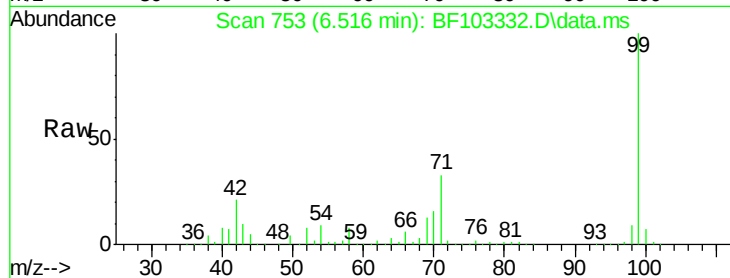
Tot Ion: 99 Resp: 1348000

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.34 ng

RT: 7.439 min Scan# 910

Delta R.T. 0.147 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Tgt Ion: 70 Resp: 121392

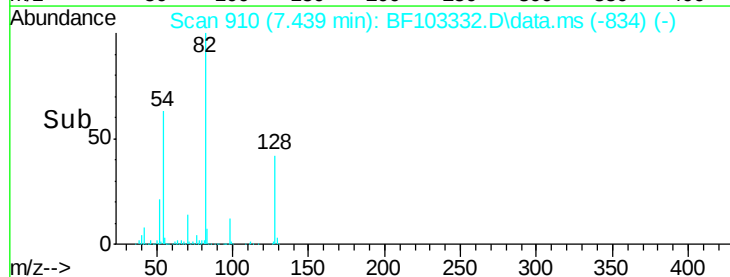
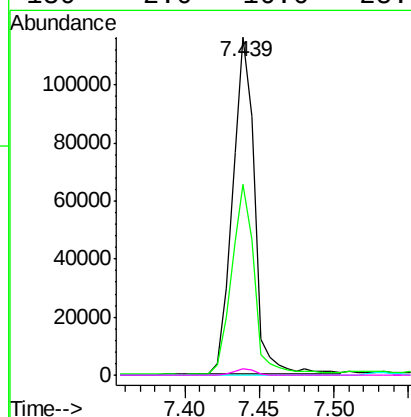
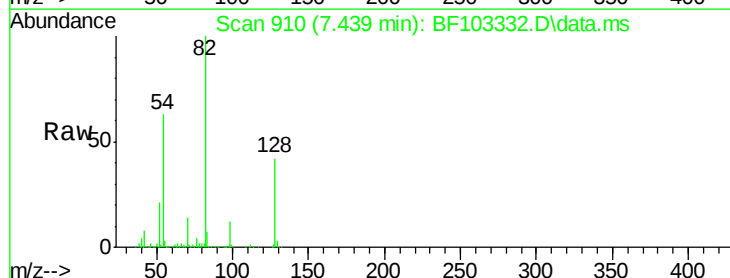
Ion Ratio Lower Upper

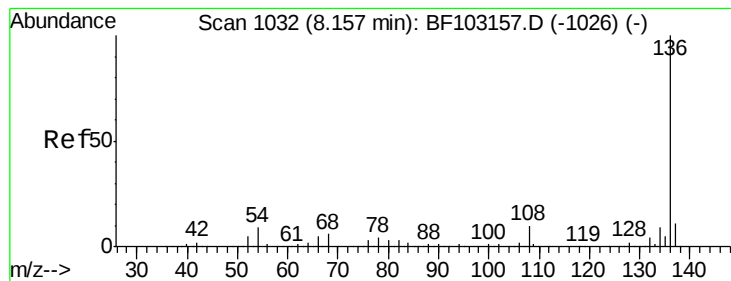
70 100

42 56.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 672978

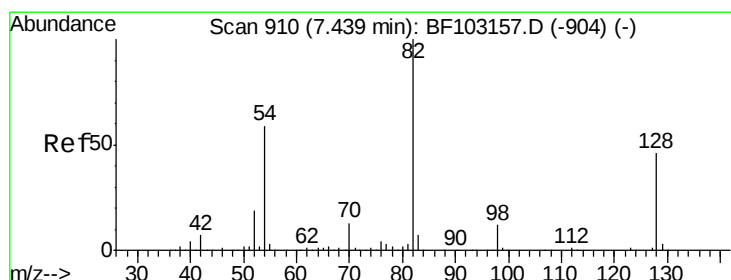
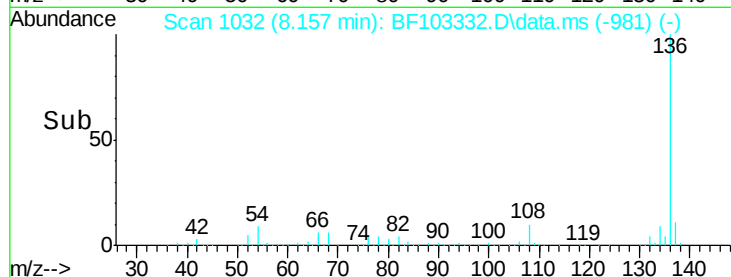
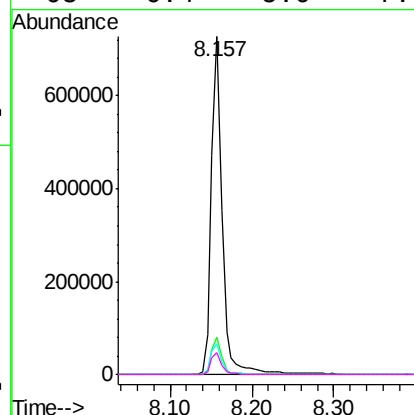
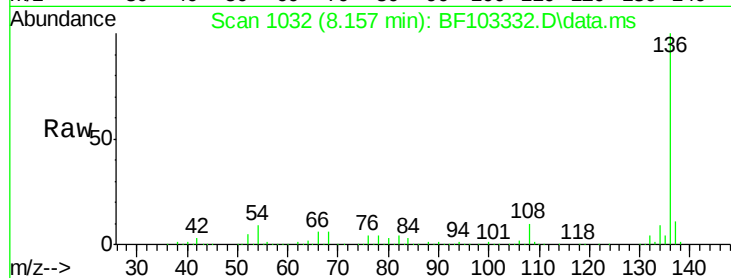
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 6.6 9.8

68 6.4 5.0 7.4



#23

Nitrobenzene-d5

Concen: 76.75 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

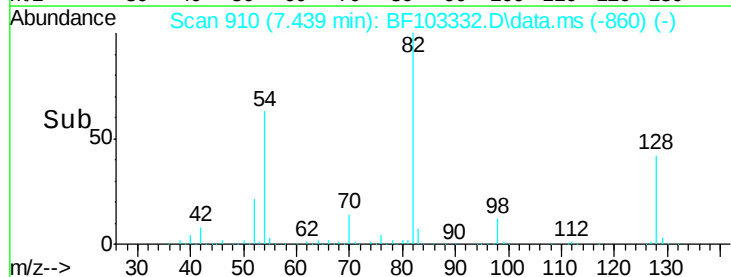
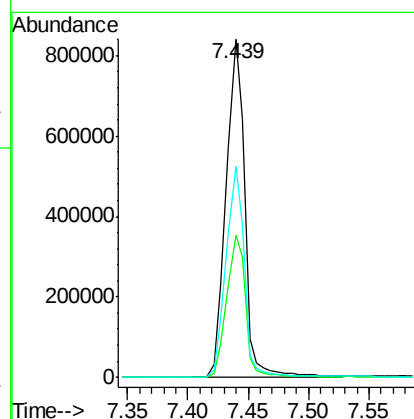
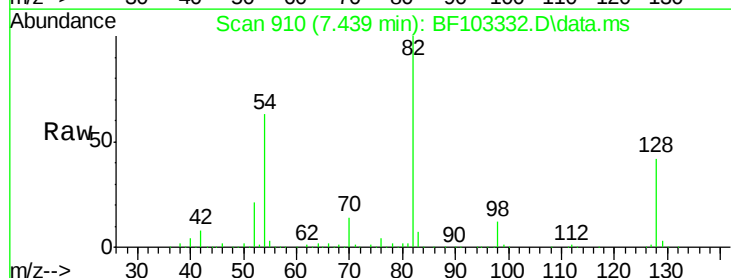
Tgt Ion: 82 Resp: 904399

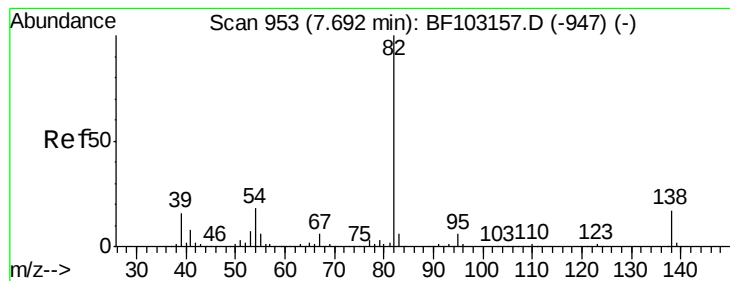
Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

54 62.6 41.4 62.2#





#25

Isophorone

Concen: 38.97 ng

RT: 7.439 min Scan# 91

Delta R.T. -0.259 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

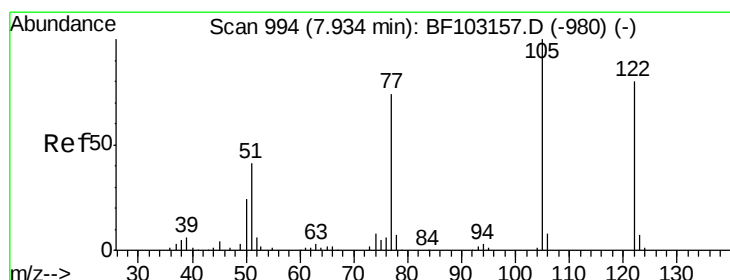
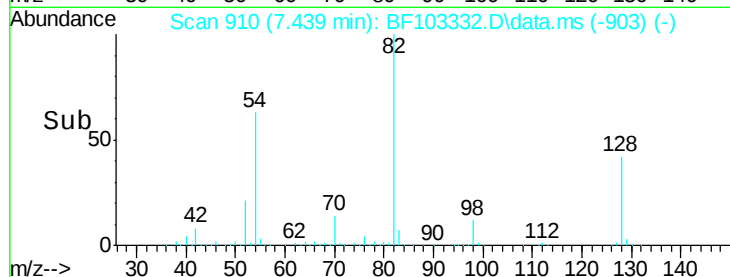
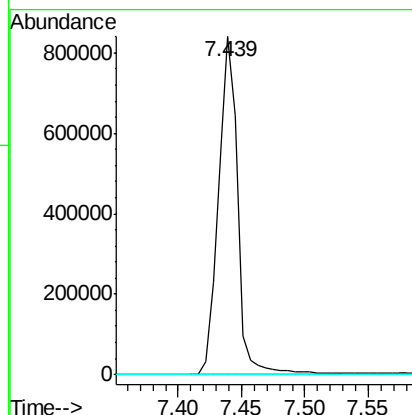
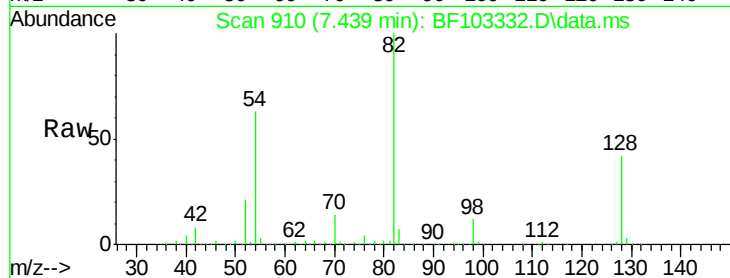
Tot Ion: 82 Resp: 904387

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 6.94 ng

RT: 7.957 min Scan# 998

Delta R.T. 0.012 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

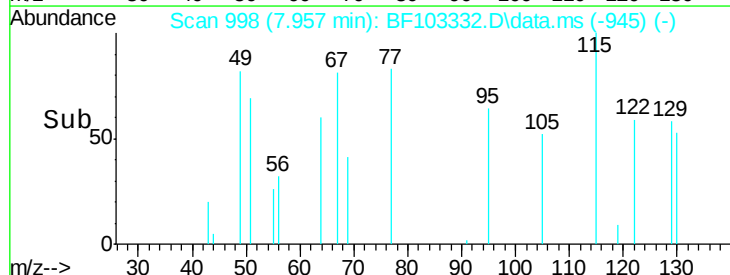
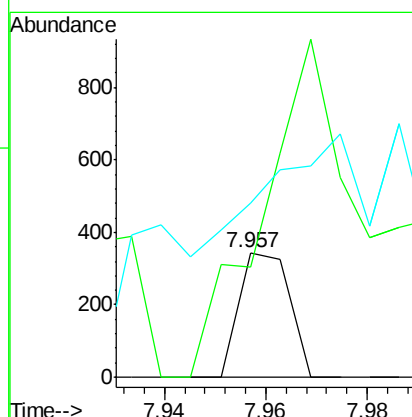
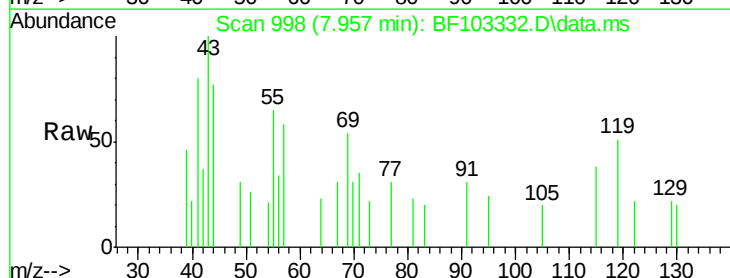
Tgt Ion:122 Resp: 237

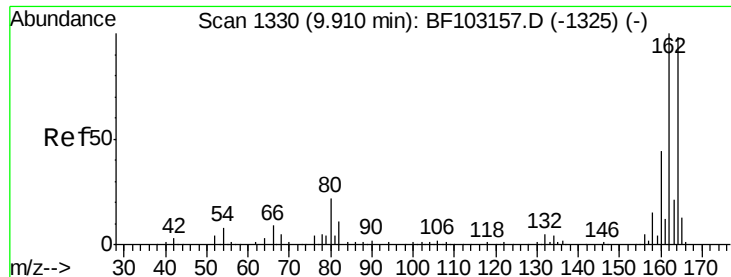
Ion Ratio Lower Upper

122 100

105 88.7 101.1 141.1#

77 140.1 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.916 min Scan# 13

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

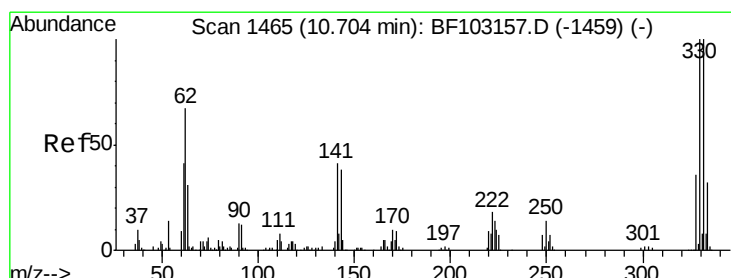
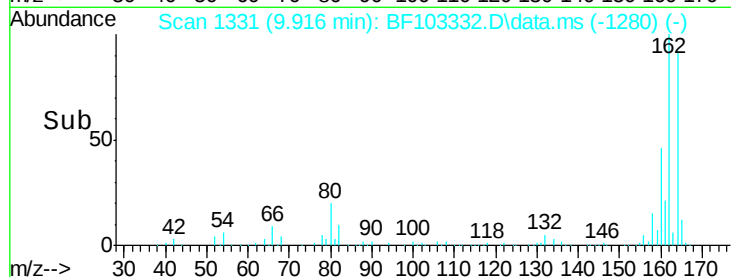
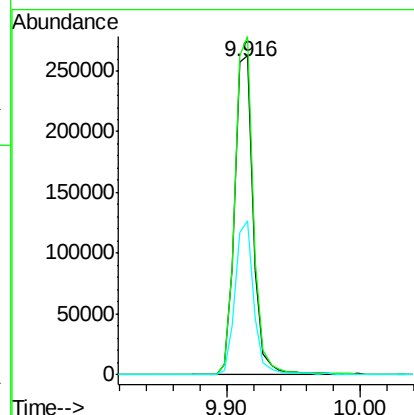
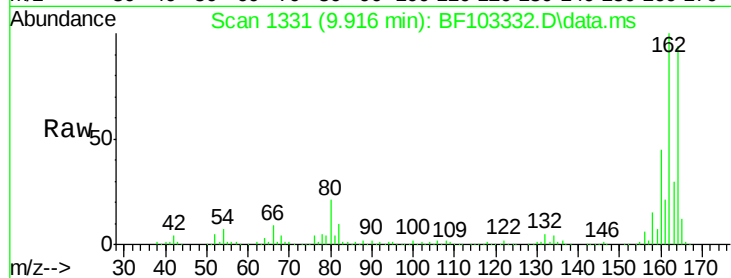
Tot Ion:164 Resp: 262099

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

160 48.1 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 81.57 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

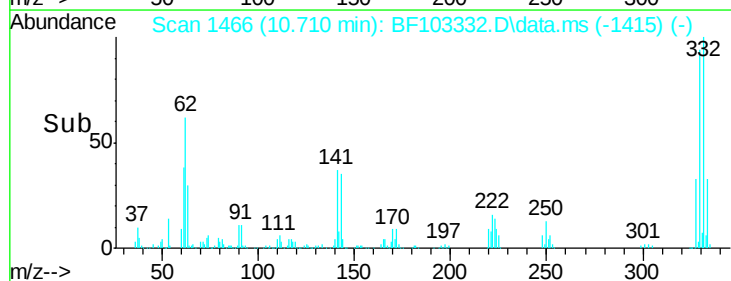
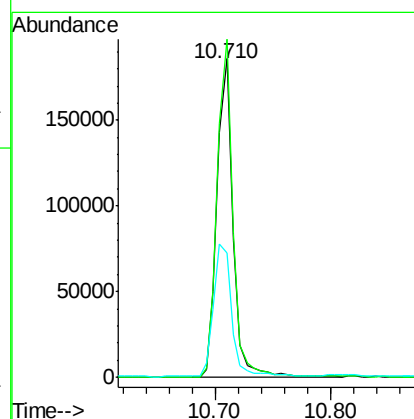
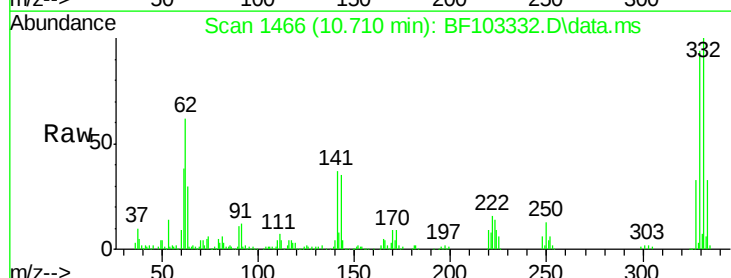
Tgt Ion:330 Resp: 180954

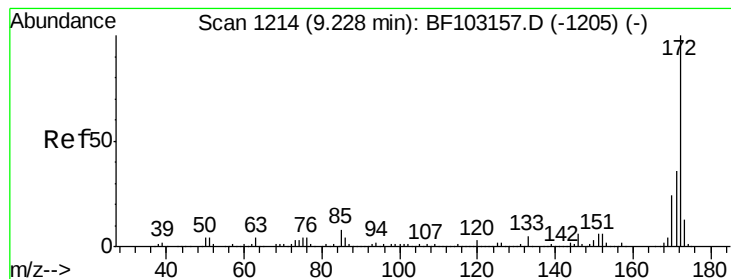
Ion Ratio Lower Upper

330 100

332 104.3 77.0 115.6

141 47.9 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 78.71 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

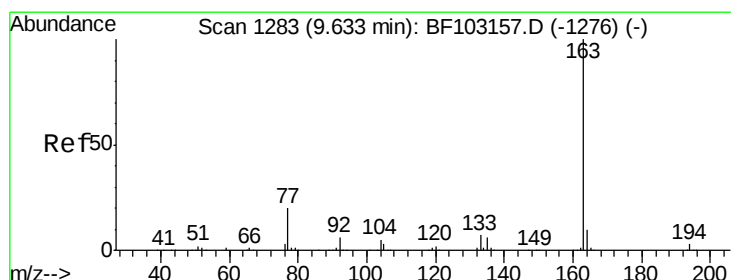
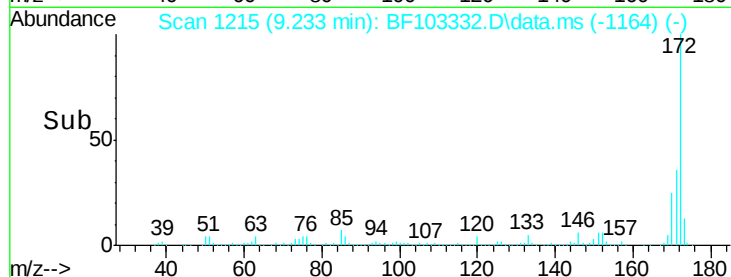
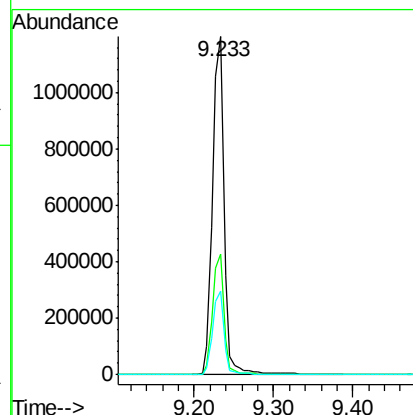
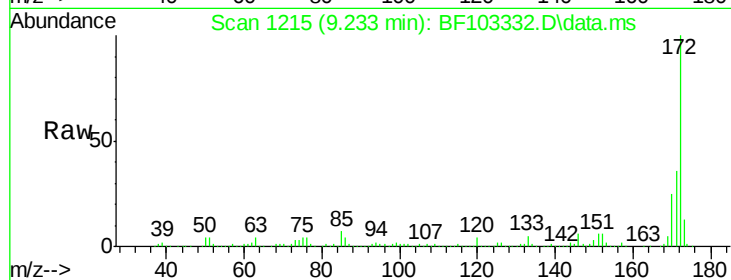
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1219014

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.8	19.6	29.4



#49

Dimethylphthalate

Concen: 6.47 ng

RT: 9.622 min Scan# 1281

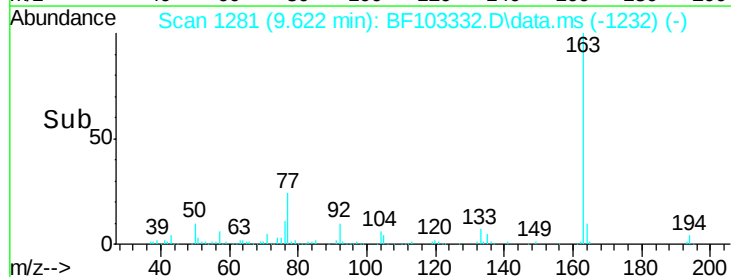
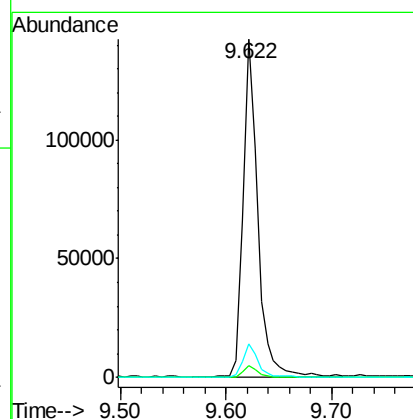
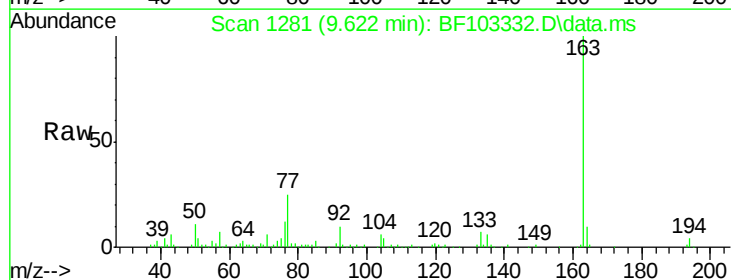
Delta R.T. -0.012 min

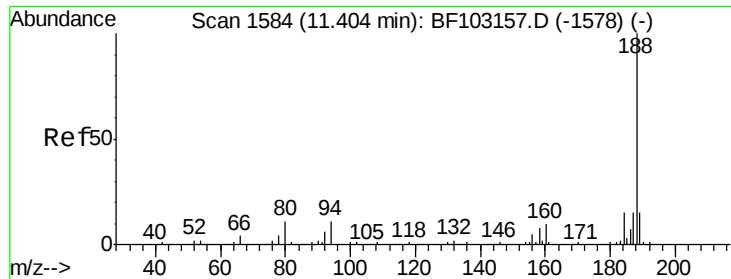
Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Tgt Ion:163 Resp: 135979

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	8.2	12.2

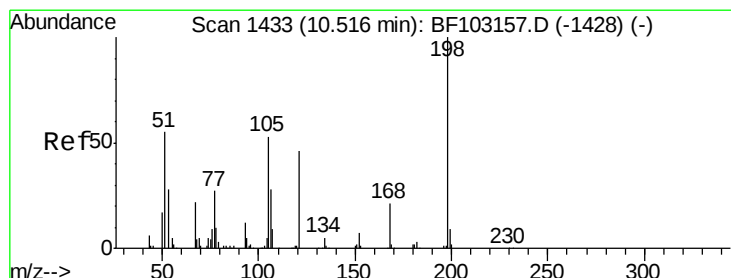
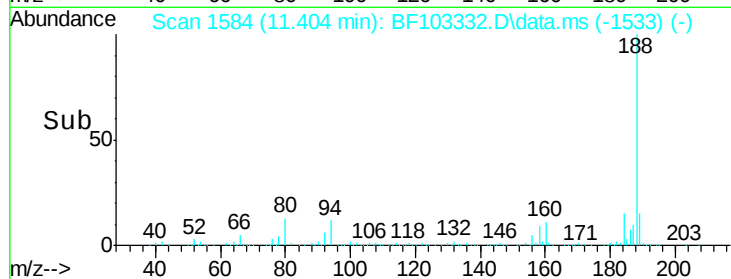
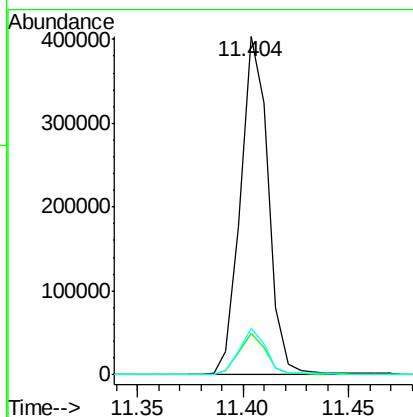
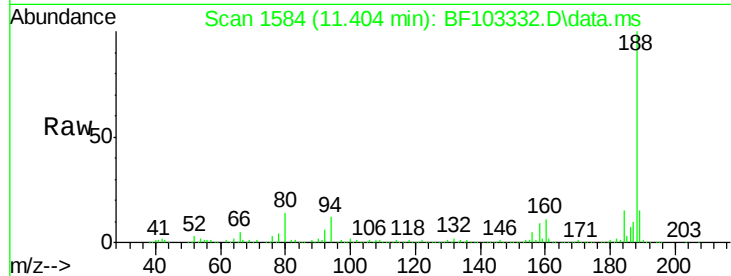




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 15
Delta R.T. -0.000 min
Lab File: BF103332.D
Acq: 1 Mar 2018 13:15

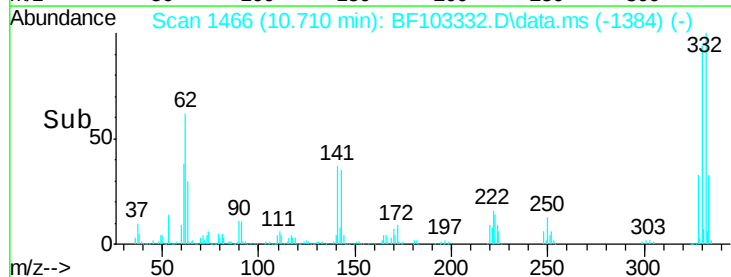
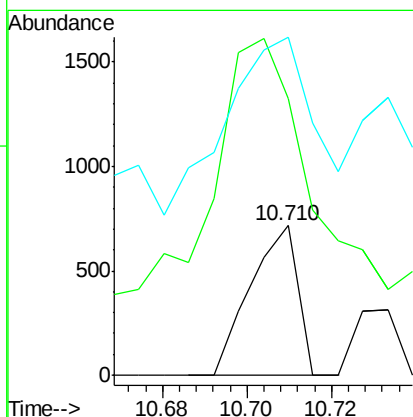
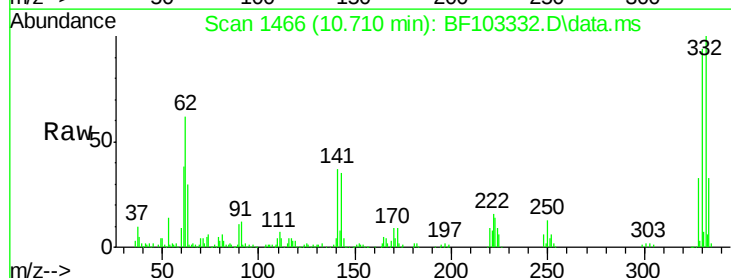
Instrument :
BNA_F
ClientSampleId :

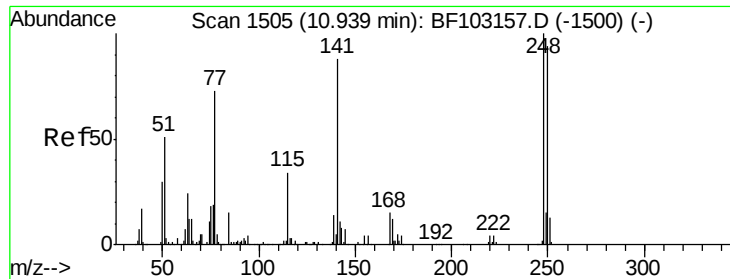
Tot Ion:188	Resp:	366028
Ion Ratio	Lower	Upper
188	100	
94	12.1	8.5 12.7
80	13.6	9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.17 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.182 min
Lab File: BF103332.D
Acq: 1 Mar 2018 13:15

Tgt Ion:198	Resp:	561
Ion Ratio	Lower	Upper
198	100	
51	184.8	37.7 77.7#
105	225.8	36.3 76.3#

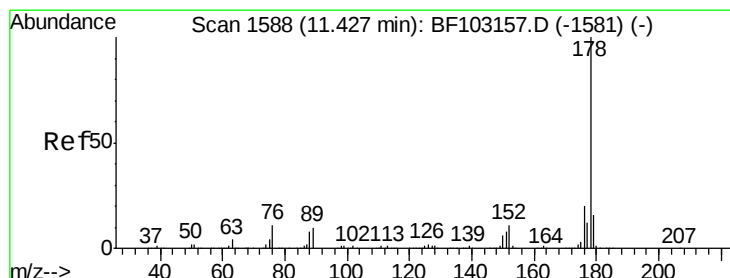
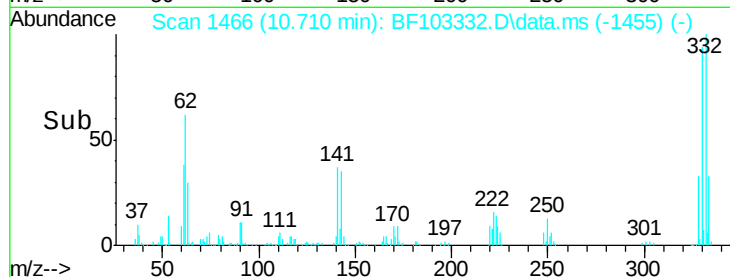
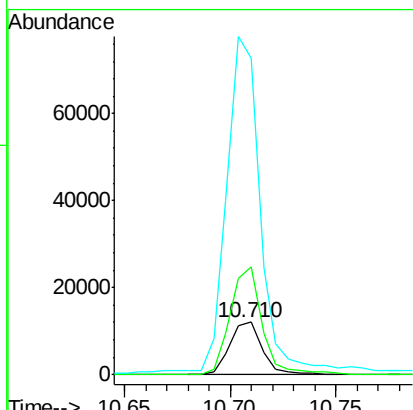
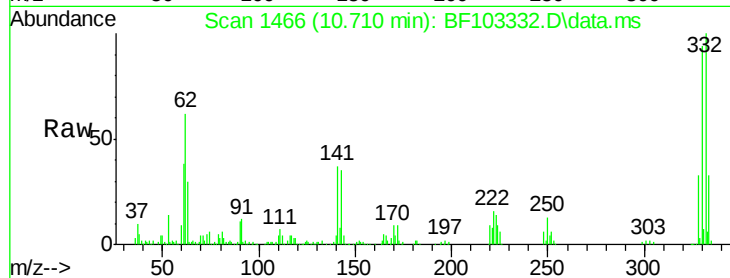




#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF103332.D
Acq: 1 Mar 2018 13:15

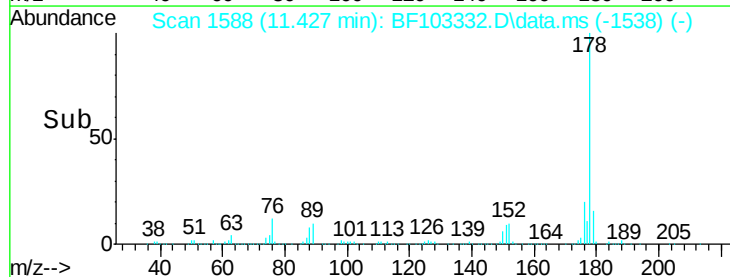
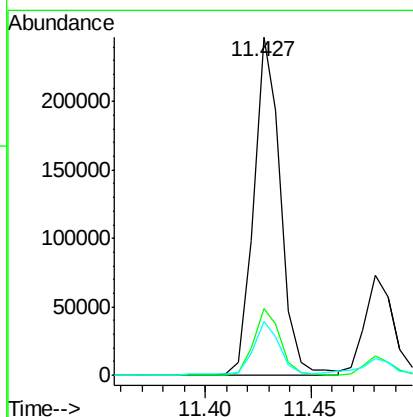
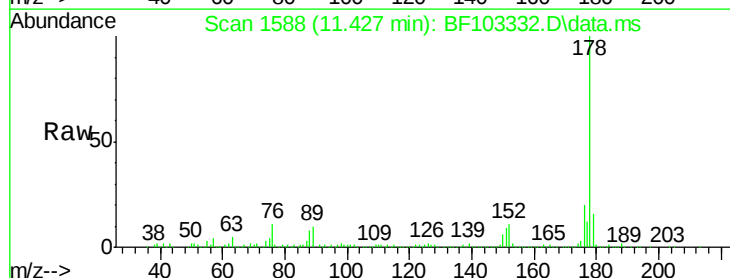
Instrument :
BNA_F
ClientSampleId :

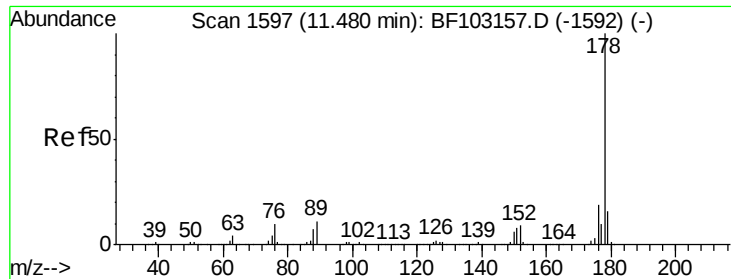
Tot Ion:248 Resp: 12930
Ion Ratio Lower Upper
248 100
250 207.4 76.9 115.3#
141 607.5 74.4 111.6#



#70
Phenanthrene
Concen: 10.74 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF103332.D
Acq: 1 Mar 2018 13:15

Tgt Ion:178 Resp: 216431
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.9 13.0 19.6

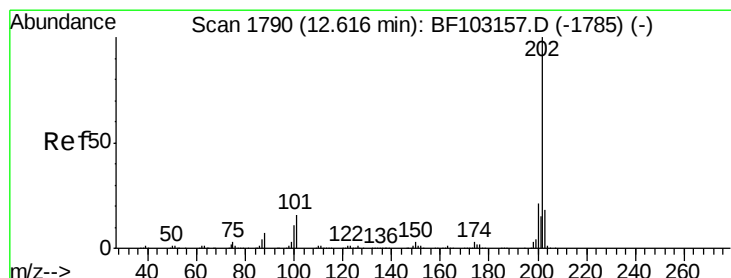
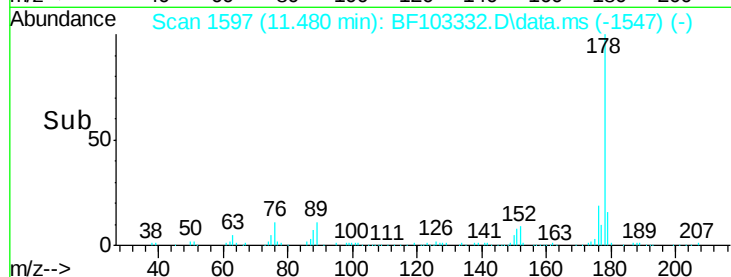
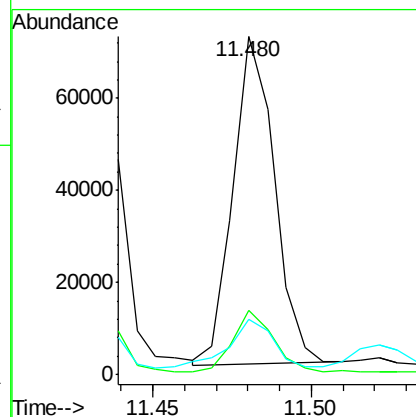
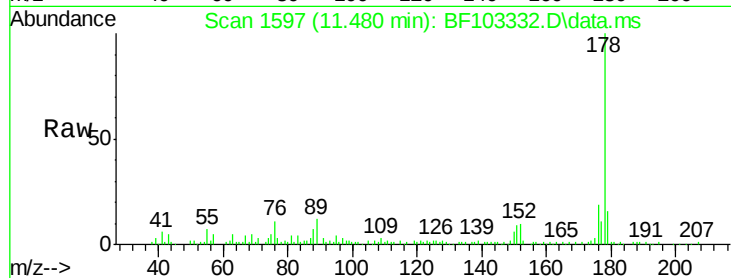




#71
 Anthracene
 Concen: 3.11 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF103332.D
 Acq: 1 Mar 2018 13:15

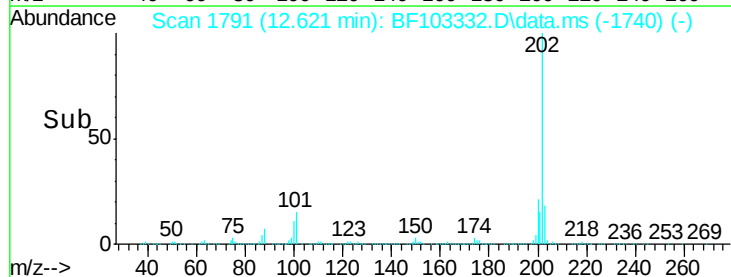
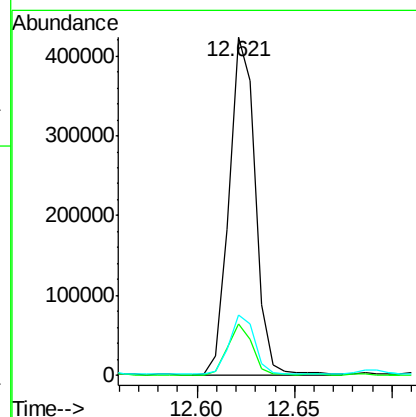
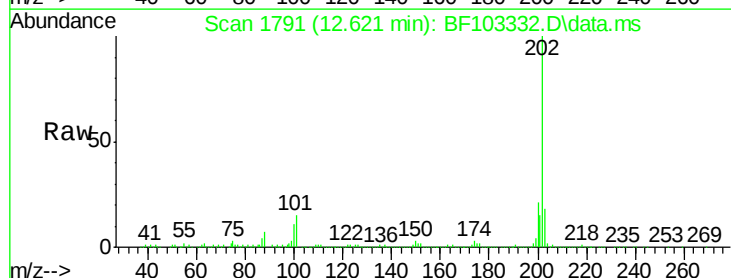
Instrument :
 BNA_F
 ClientSampleId :

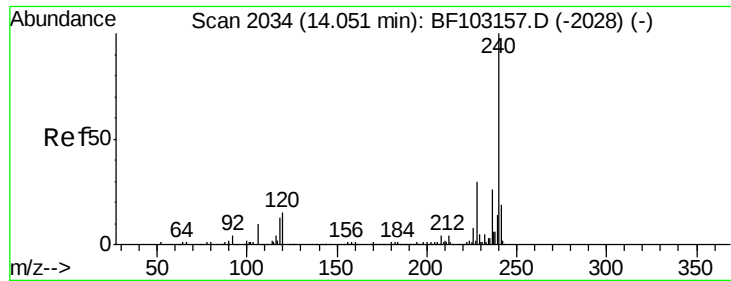
Tot Ion:178 Resp: 64181
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 16.2 12.6 19.0



#74
 Fluoranthene
 Concen: 19.42 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: BF103332.D
 Acq: 1 Mar 2018 13:15

Tgt Ion:202 Resp: 393192
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 34.1
 203 17.8 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: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

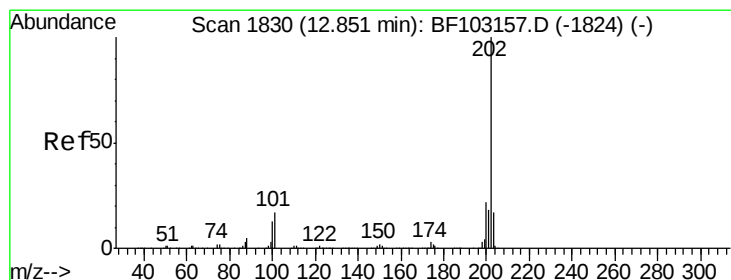
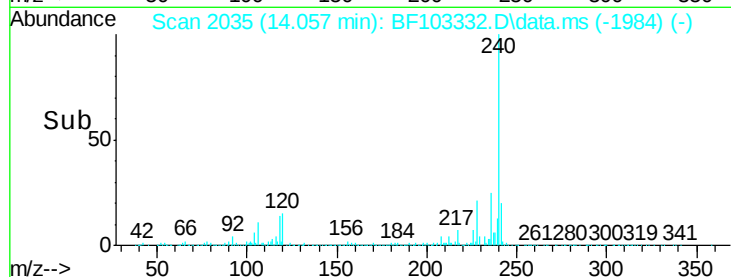
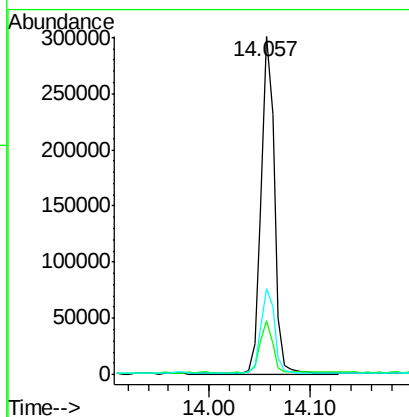
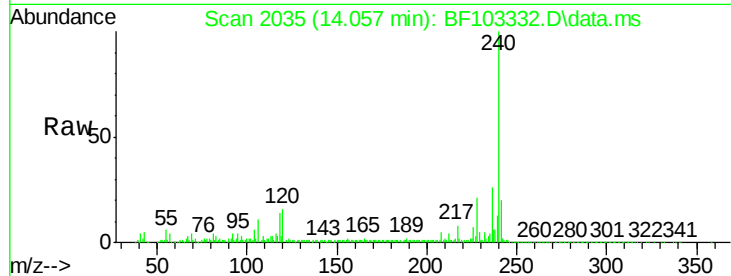
Tot Ion:240 Resp: 273175

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

236 25.5 20.7 31.1



#77

Pyrene

Concen: 17.79 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

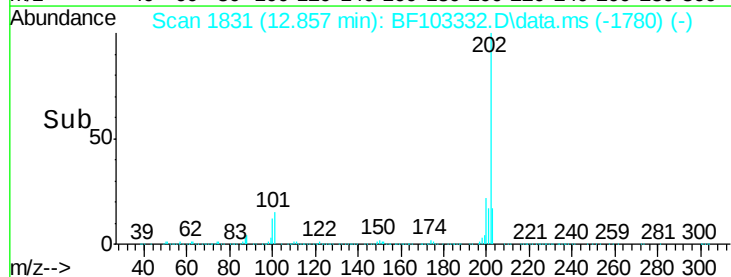
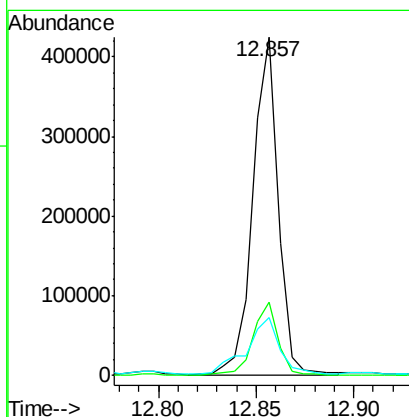
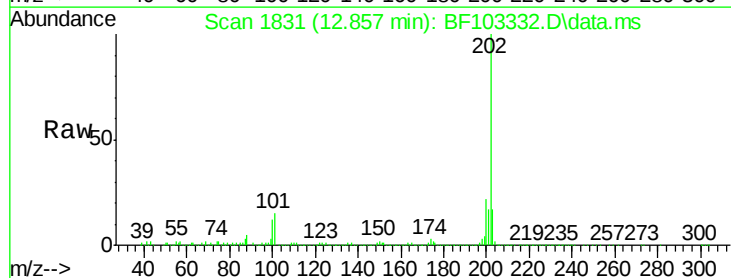
Tgt Ion:202 Resp: 378889

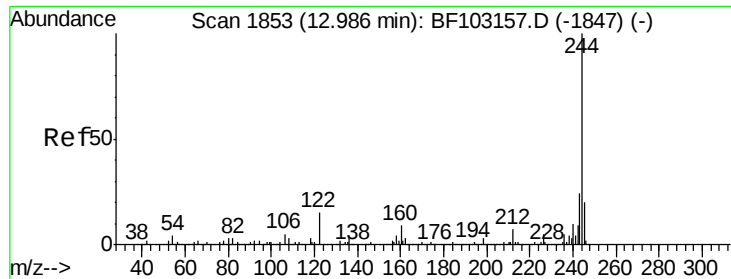
Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

203 17.2 14.3 21.5





#78

Terphenyl-d14

Concen: 68.79 ng

RT: 12.992 min Scan# 18

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

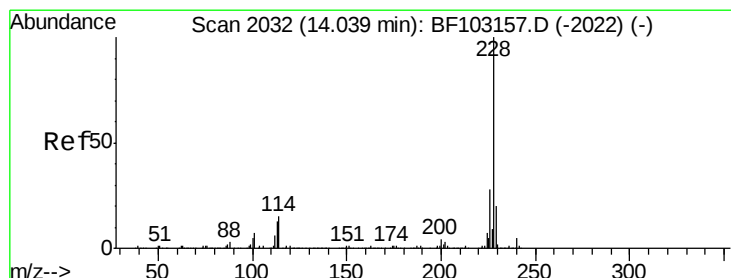
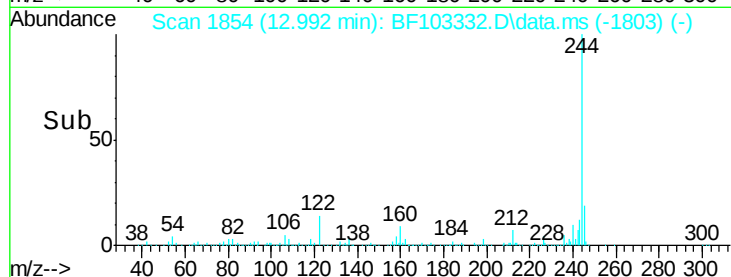
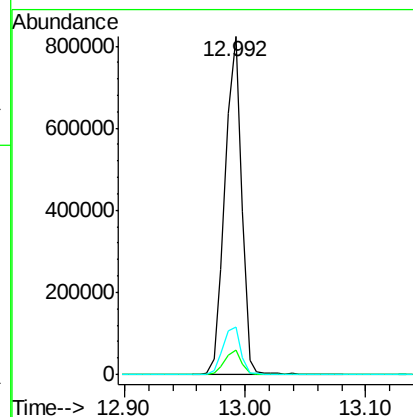
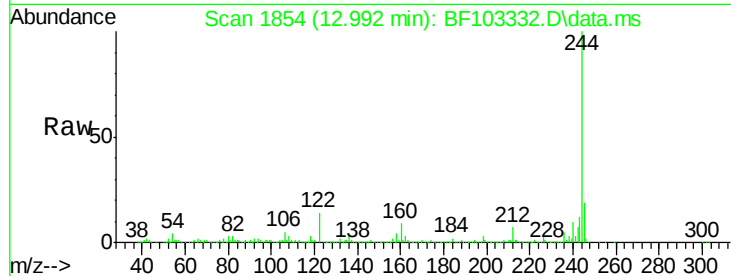
Tot Ion:244 Resp: 781737

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 14.1 11.0 16.4



#80

Benzo(a)anthracene

Concen: 11.47 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

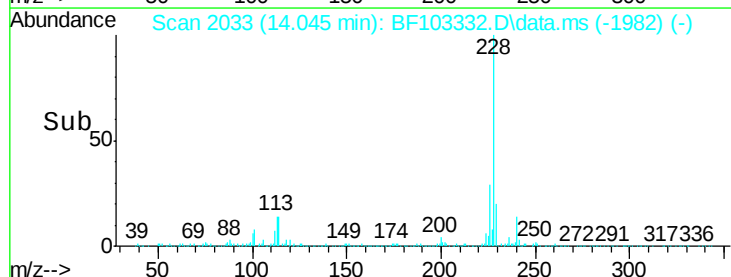
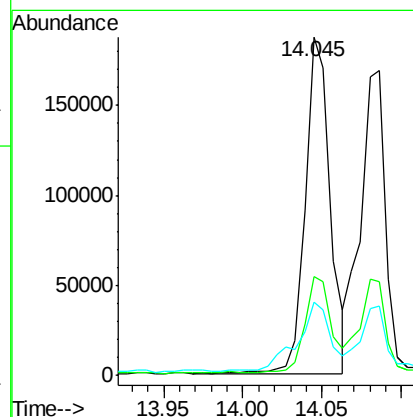
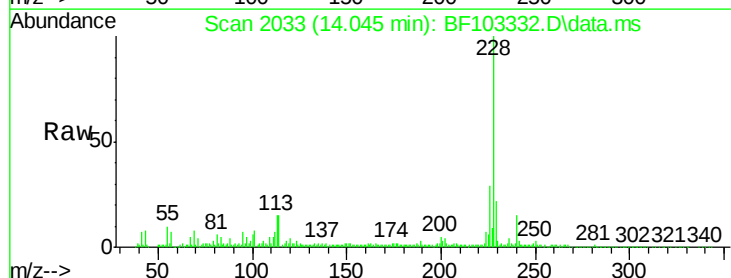
Tgt Ion:228 Resp: 203277

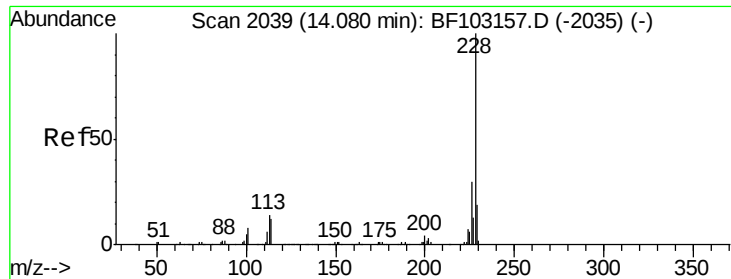
Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

229 21.5 15.8 23.6





#82

Chrysene

Concen: 10.92 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

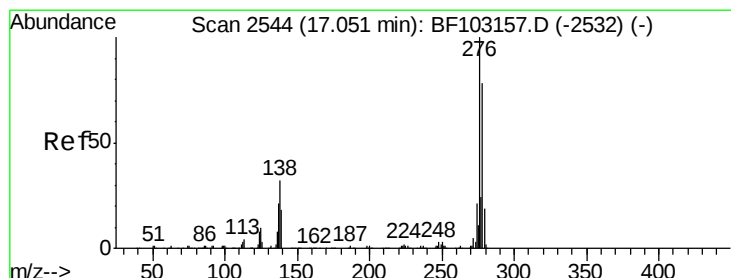
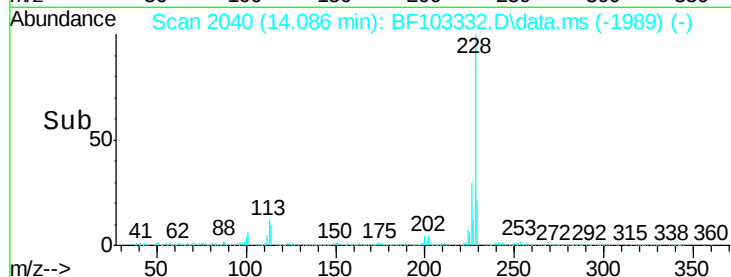
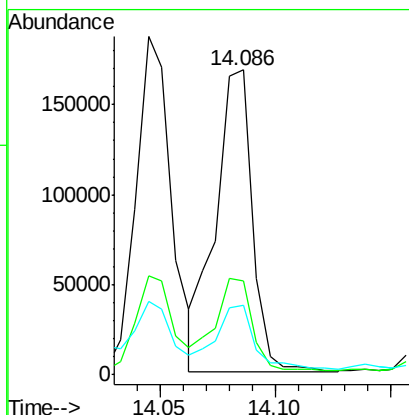
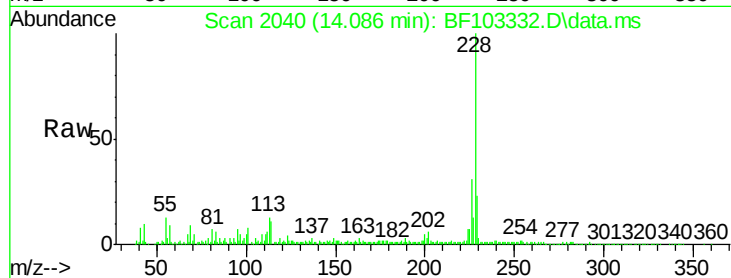
Tot Ion:228 Resp: 188008

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

229 22.8 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.82 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.012 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

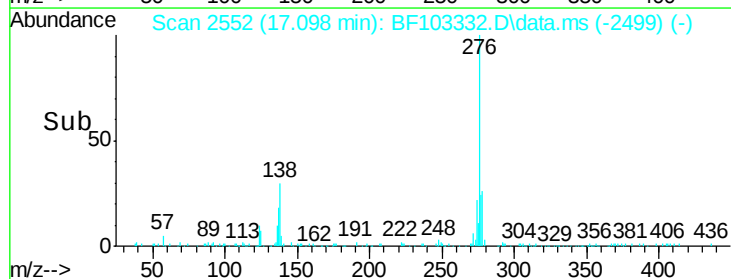
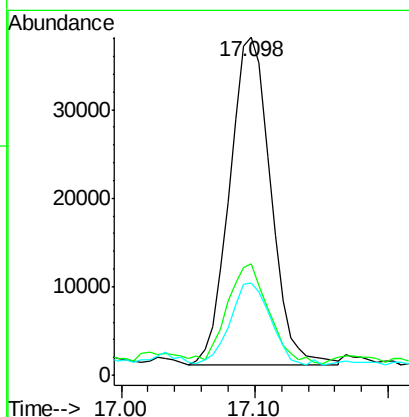
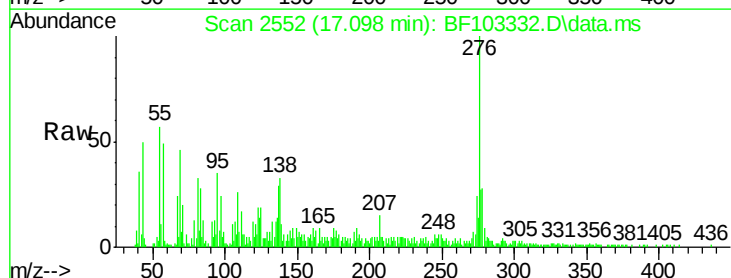
Tgt Ion:276 Resp: 79269

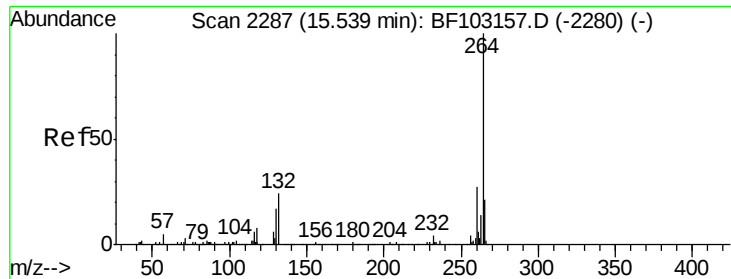
Ion Ratio Lower Upper

276 100

138 30.5 25.0 37.6

277 24.2 20.1 30.1

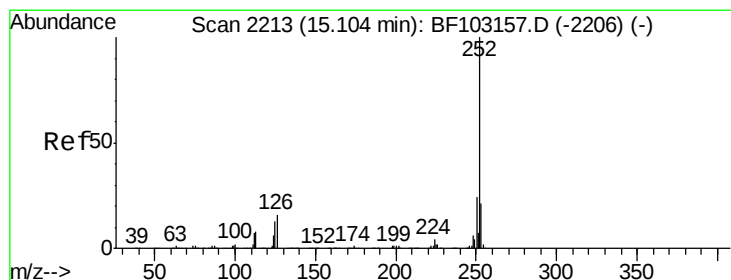
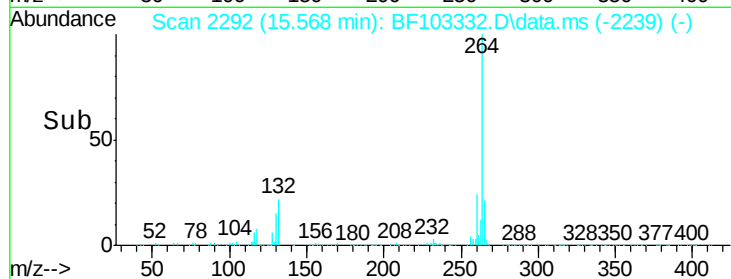
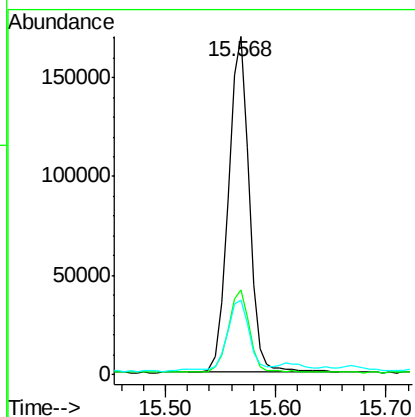
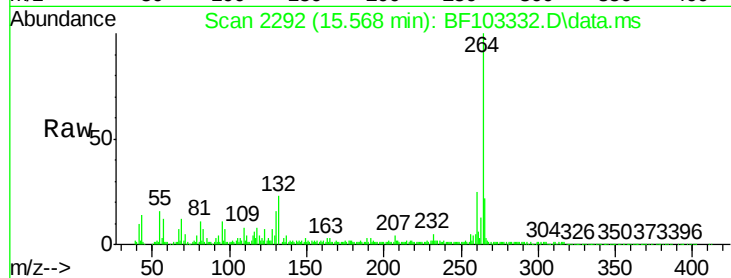




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2287
Delta R.T. 0.012 min
Lab File: BF103332.D
Acq: 1 Mar 2018 13:15

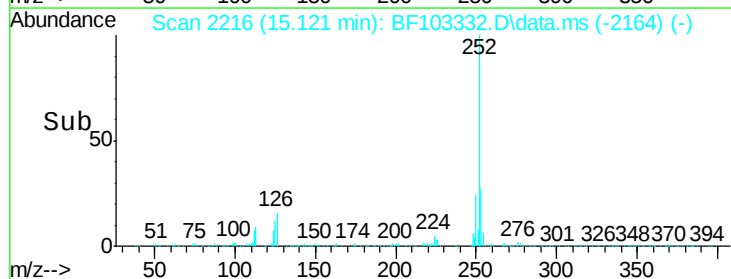
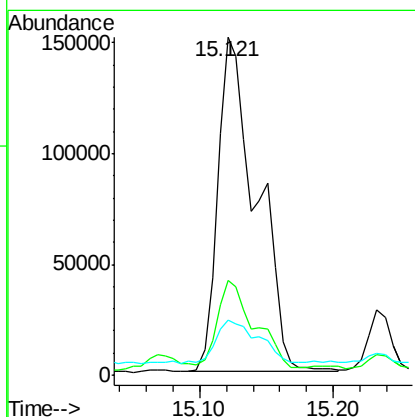
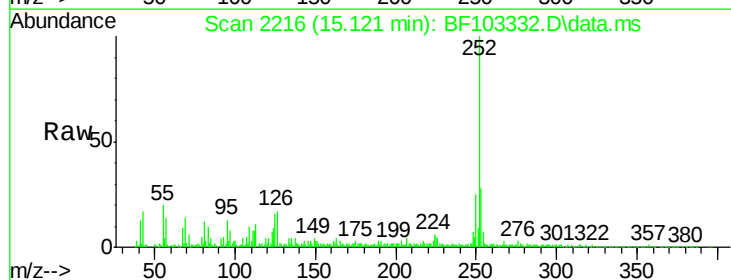
Instrument :
BNA_F
ClientSampleId :

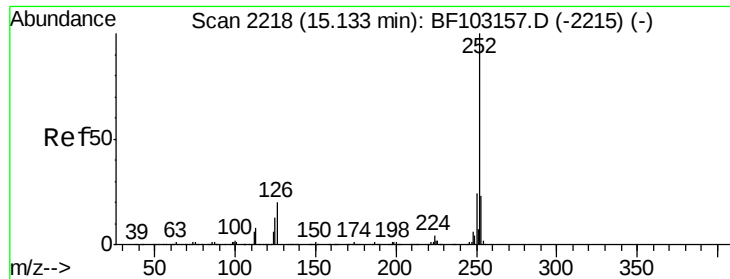
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.9	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 20.62 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF103332.D
Acq: 1 Mar 2018 13:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.0	25.6#
125	16.4	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 21.90 ng

RT: 15.121 min Scan# 2218

Delta R.T. -0.030 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampled :

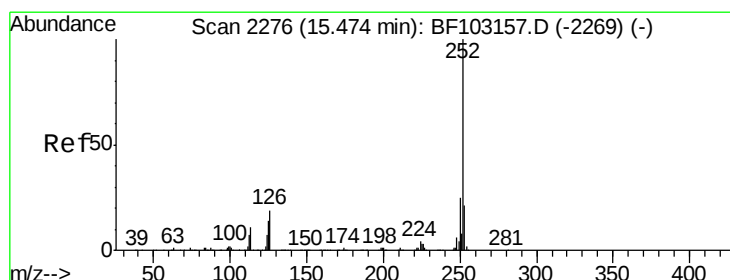
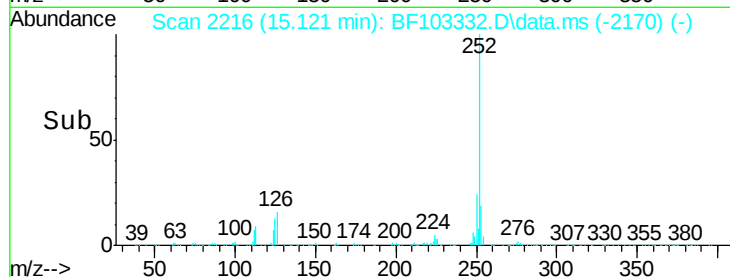
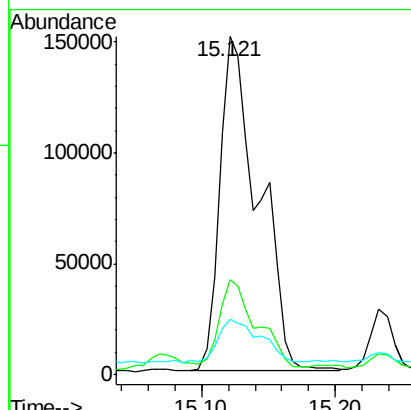
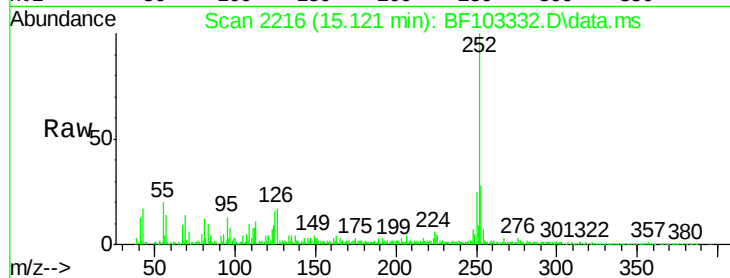
Tot Ion:252 Resp: 305881

Ion Ratio Lower Upper

252 100

253 28.1 17.9 26.9#

125 16.4 10.2 15.2#



#89

Benzo(a)pyrene

Concen: 11.56 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

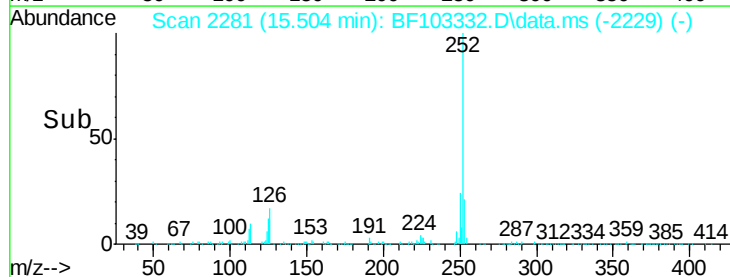
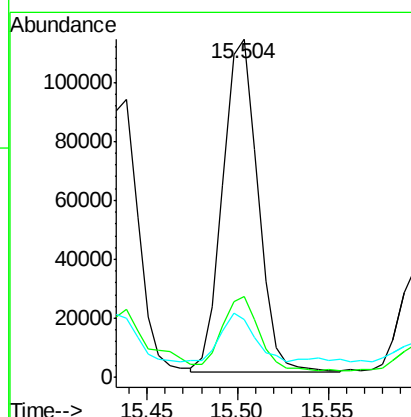
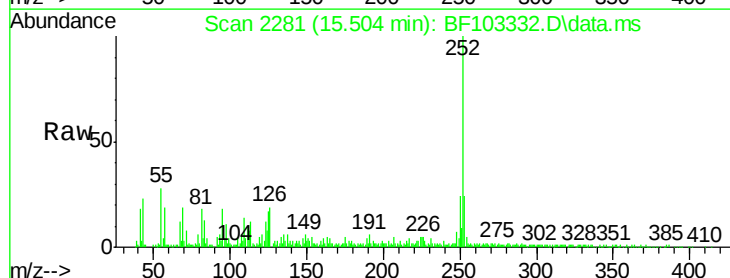
Tgt Ion:252 Resp: 153100

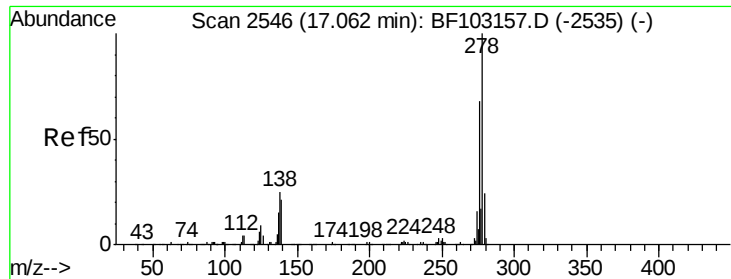
Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 17.2 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.12 ng

RT: 17.098 min Scan# 25

Delta R.T. 0.006 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Instrument :

BNA_F

ClientSampleId :

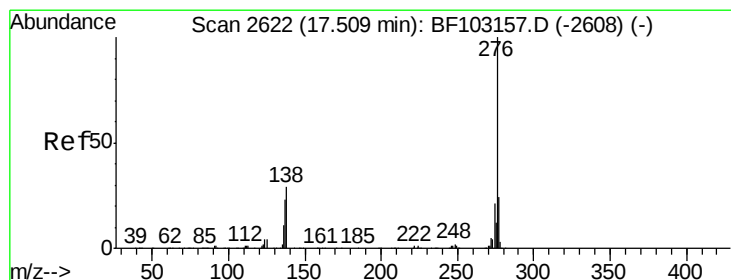
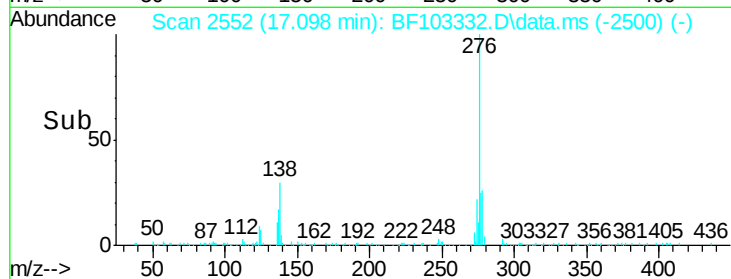
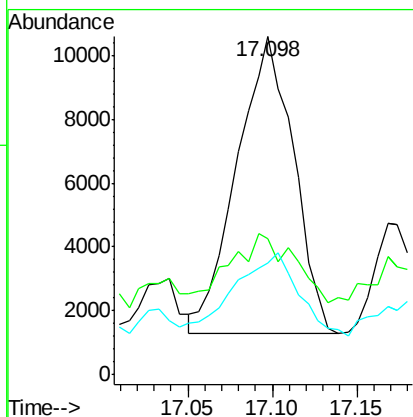
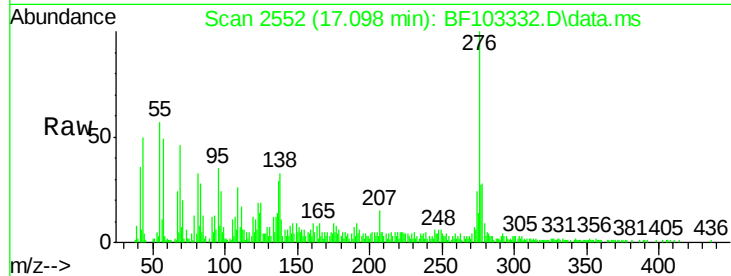
Tot Ion:278 Resp: 21652

Ion Ratio Lower Upper

278 100

139 40.2 15.9 23.9#

279 32.8 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 7.87 ng

RT: 17.568 min Scan# 2632

Delta R.T. 0.029 min

Lab File: BF103332.D

Acq: 1 Mar 2018 13:15

Tgt Ion:276 Resp: 78719

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 33.6 21.8 32.8#

