

Data Path : Z:\HPCHEM1\BNA F\Data\BF030118\
 Data File : BF103327.D
 Acq On : 1 Mar 2018 11:02
 Operator : SJ/JU
 Sample : J1710-07 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 12:39:15 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	149625	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	643566	20.00	ng	0.00
38) Acenaphthene-d10	9.910	164	275264	20.00	ng	0.00
63) Phenanthrene-d10	11.404	188	447236	20.00	ng	0.00
75) Chrysene-d12	14.057	240	238815	20.00	ng	0.00
86) Perylene-d12	15.551	264	246607	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.493	112	212171	21.45	ng	0.00
7) Phenol-d6	6.504	99	263293	21.75	ng	0.00
23) Nitrobenzene-d5	7.434	82	170915	15.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.710	330	42848	18.39	ng	0.00
44) 2-Fluorobiphenyl	9.228	172	254917	11.24	ng	0.00
78) Terphenyl-d14	12.986	244	175292	17.64	ng	0.00

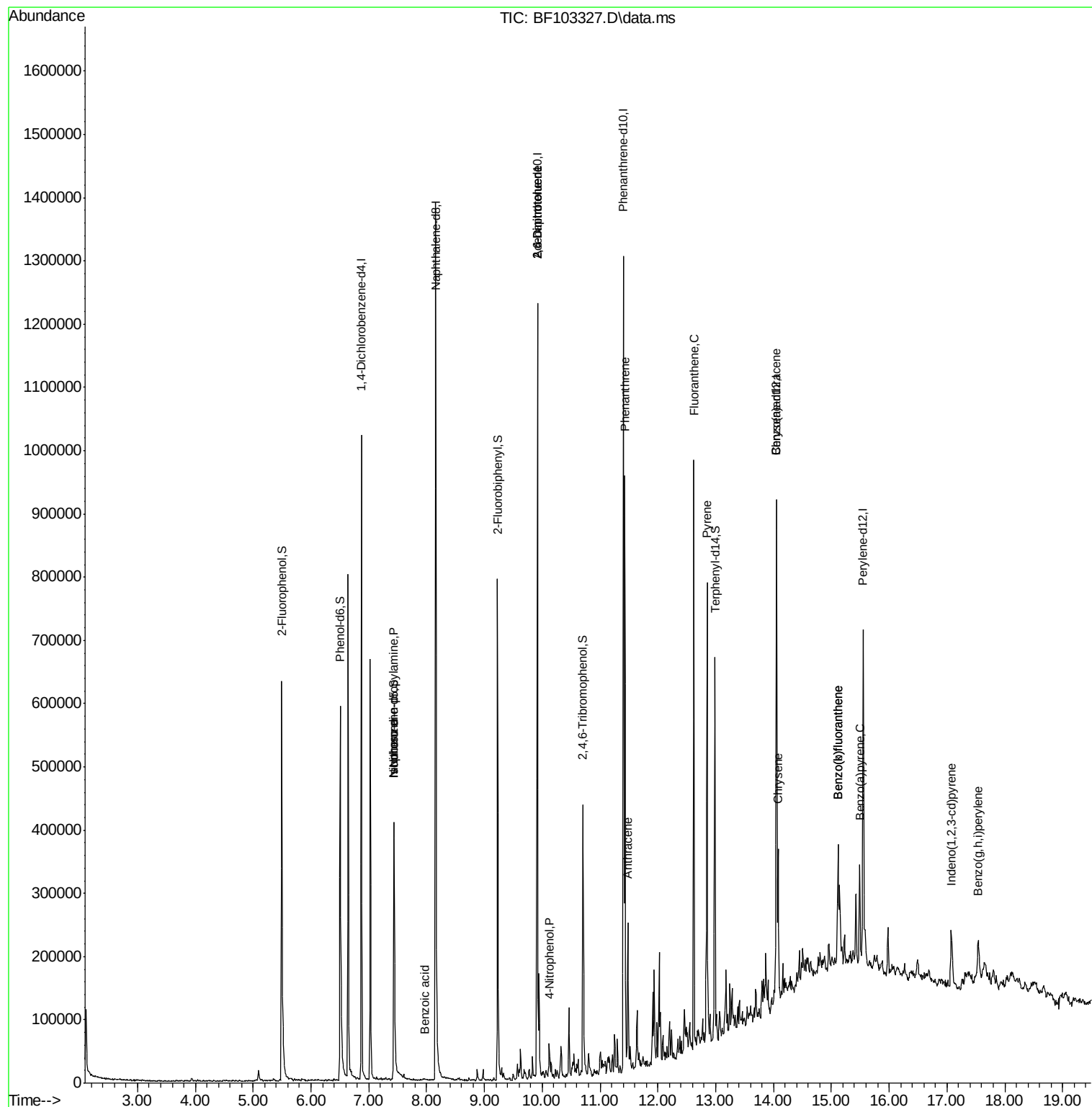
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.451	77	358	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.434	70	22632	3.00	ng	86
25) Isophorone	7.434	82	170914	7.70	ng	64
32) Benzoic acid	7.969	122	486	6.98	ng	96
50) 2,6-Dinitrotoluene	9.910	165	35746	7.71	ng	26
55) 4-Nitrophenol	10.122	139	7801	2.14	ng	14
56) 2,4-Dinitrotoluene	9.910	165	35747	6.10	ng	24
70) Phenanthrene	11.427	178	312777	12.71	ng	99
71) Anthracene	11.480	178	82153	3.26	ng	99
74) Fluoranthene	12.621	202	328622	13.29	ng	99
77) Pyrene	12.851	202	274285	14.73	ng	99
80) Benzo(a)anthracene	14.045	228	92364	5.96	ng	98
82) Chrysene	14.080	228	86804	5.77	ng	97
85) Indeno(1,2,3-cd)pyrene	17.080	276	50920	4.27	ng	96
87) Benzo(b)fluoranthene	15.110	252	141788	8.74	ng	# 96
88) Benzo(k)fluoranthene	15.110	252	141788	9.29	ng	# 96
89) Benzo(a)pyrene	15.492	252	76949	5.31	ng	# 95
91) Benzo(g,h,i)perylene	17.539	276	54602	4.99	ng	96

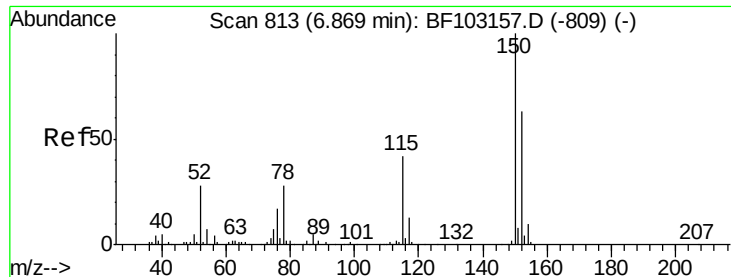
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

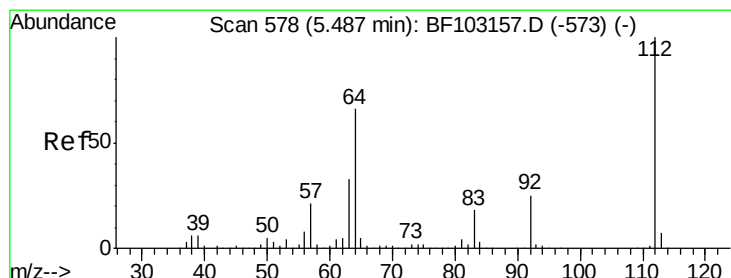
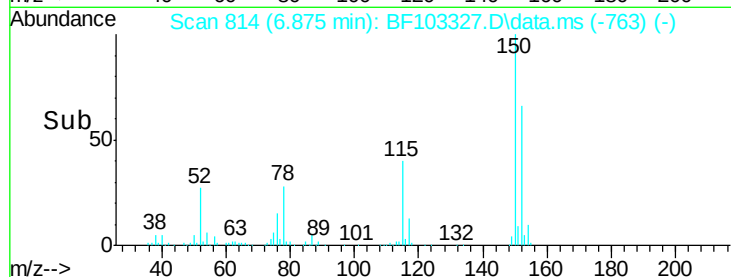
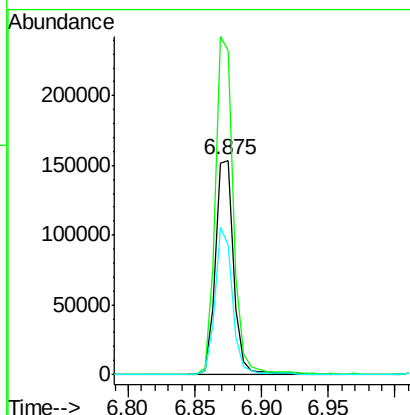
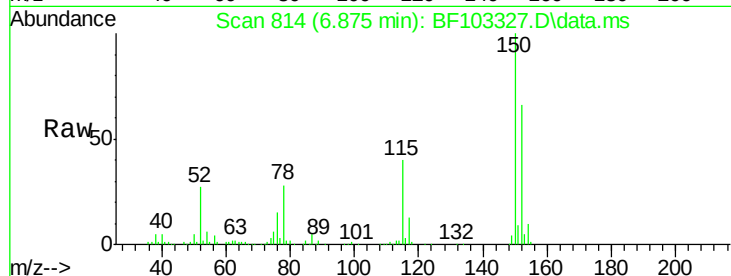
Tot Ion:152 Resp: 149625

Ion Ratio Lower Upper

152 100

150 151.3 124.6 186.8

115 60.7 50.1 75.1



#5

2-Fluorophenol

Concen: 21.45 ng

RT: 5.493 min Scan# 579

Delta R.T. 0.000 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

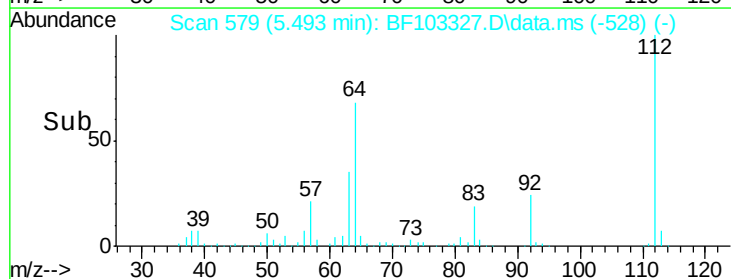
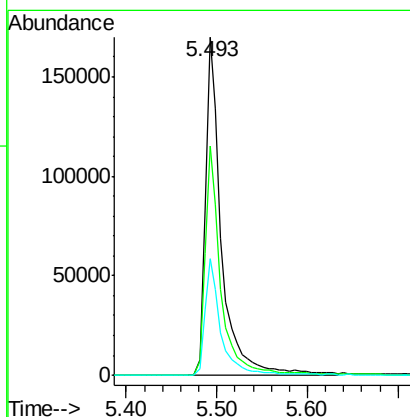
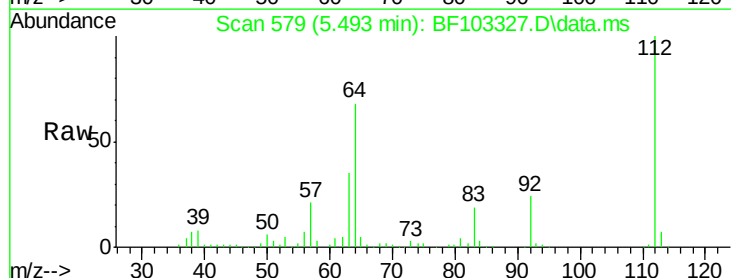
Tgt Ion:112 Resp: 212171

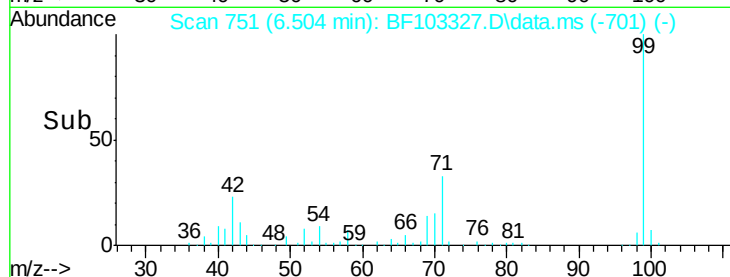
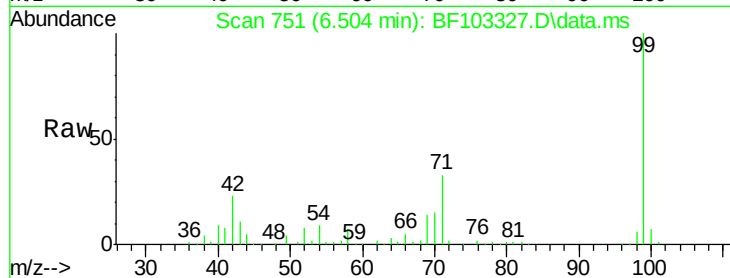
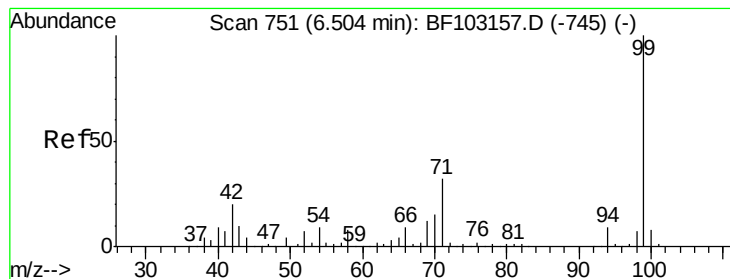
Ion Ratio Lower Upper

112 100

64 67.8 47.9 71.9

63 34.6 23.7 35.5





#7

Phenol-d6

Concen: 21.75 ng

RT: 6.504 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

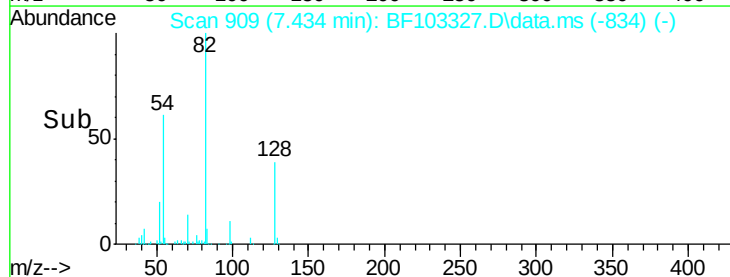
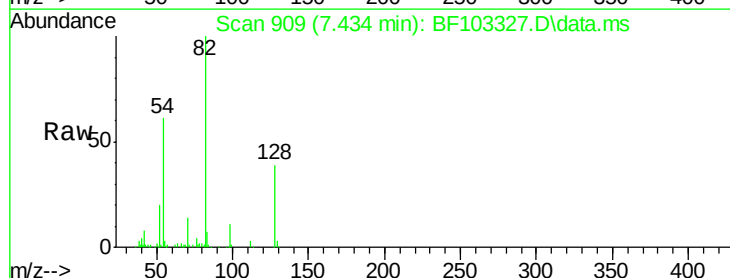
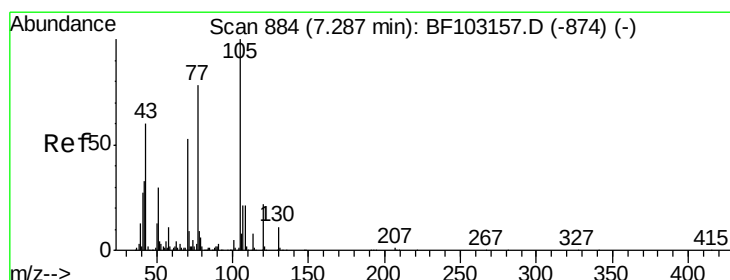
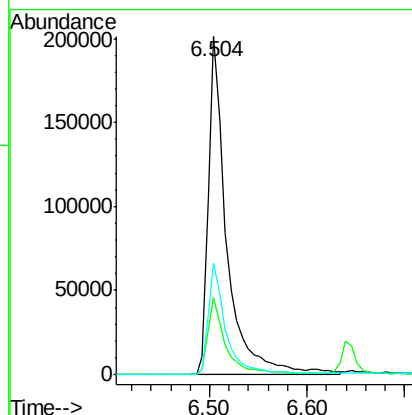
Tot Ion: 99 Resp: 263293

Ion Ratio Lower Upper

99 100

42 22.9 14.5 21.7#

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.00 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.141 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Tgt Ion: 70 Resp: 22632

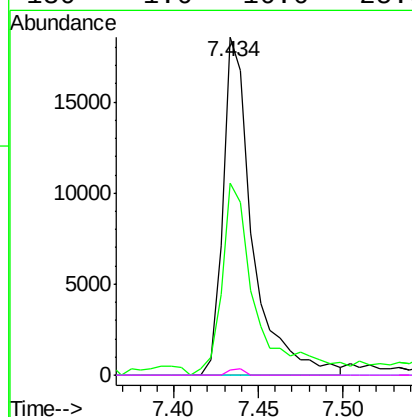
Ion Ratio Lower Upper

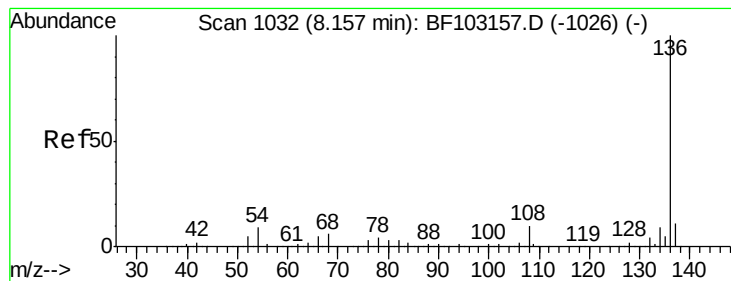
70 100

42 56.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.157 min Scan# 10

Delta R.T. 0.000 min

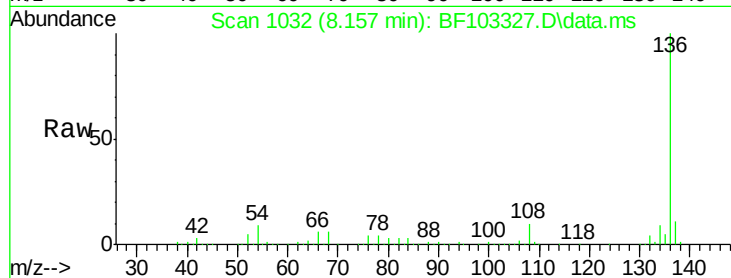
Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :



Tot Ion:136 Resp: 643566

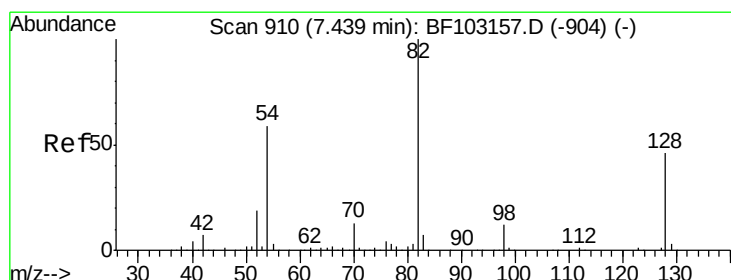
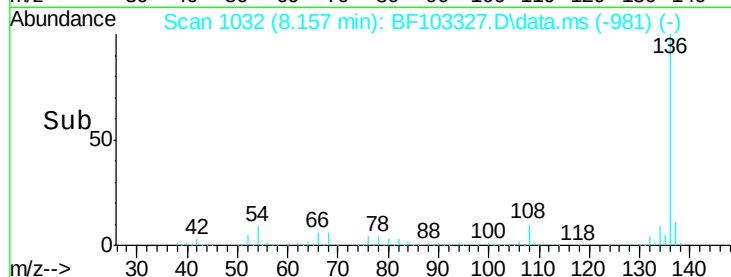
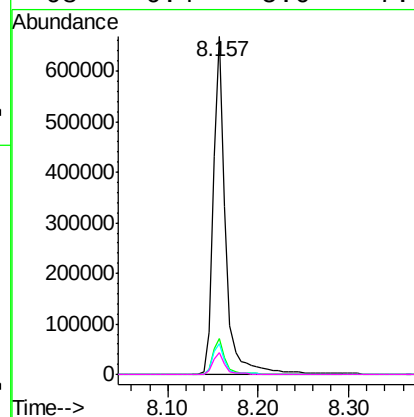
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.2 6.6 9.8

68 6.4 5.0 7.4



#23

Nitrobenzene-d5

Concen: 15.17 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

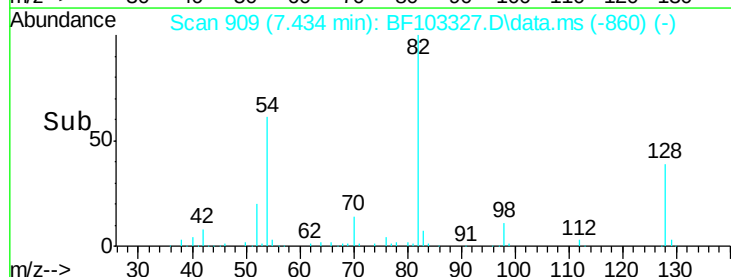
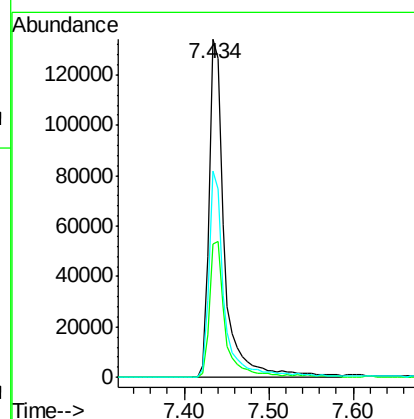
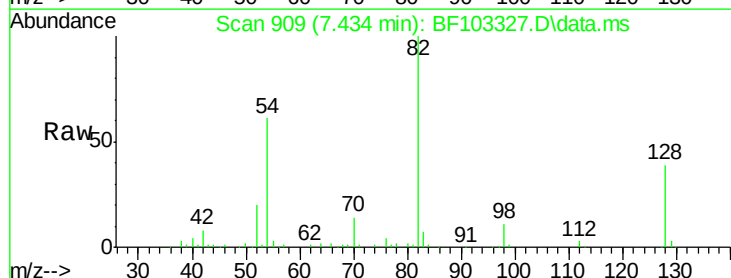
Tgt Ion: 82 Resp: 170915

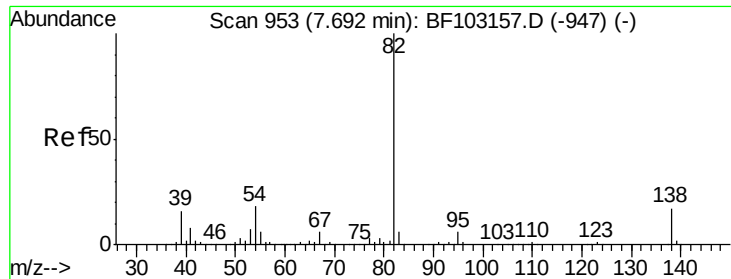
Ion Ratio Lower Upper

82 100

128 39.2 36.1 54.1

54 61.1 41.4 62.2





#25

Isophorone

Concen: 7.70 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

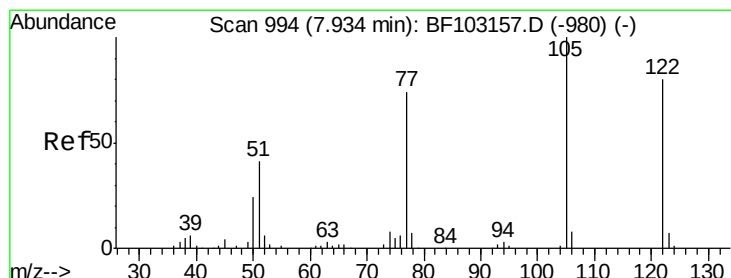
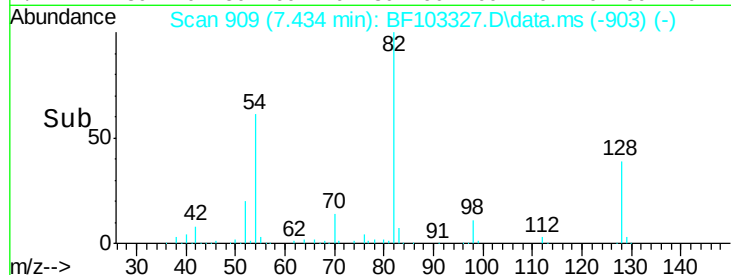
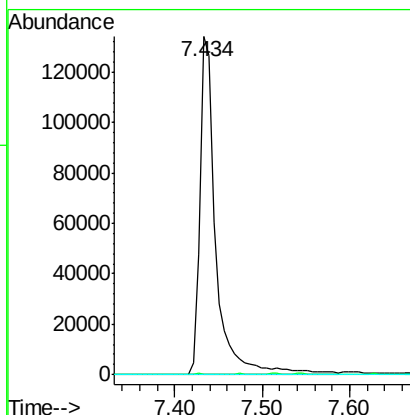
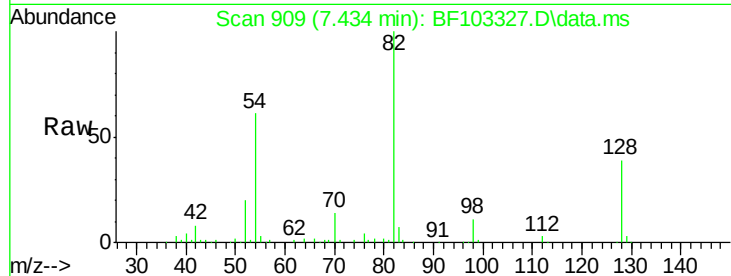
Tot Ion: 82 Resp: 170914

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 6.98 ng

RT: 7.969 min Scan# 1000

Delta R.T. 0.024 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

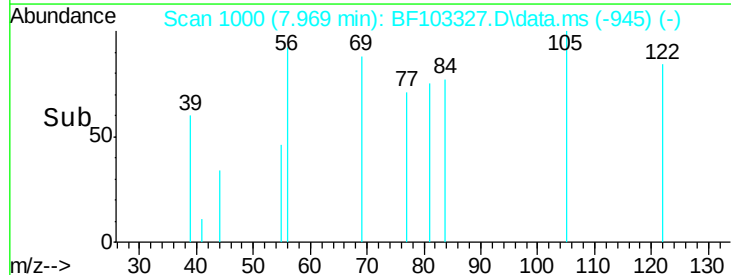
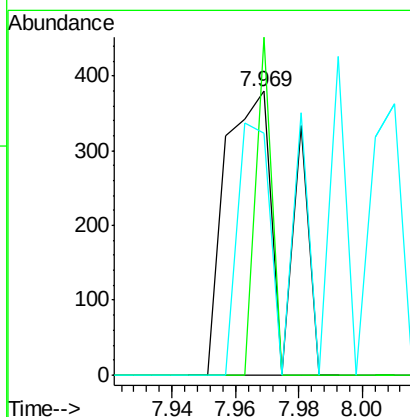
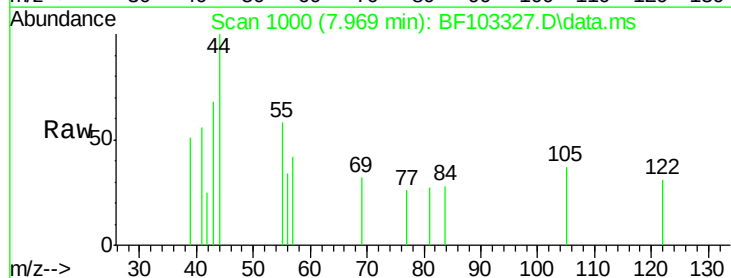
Tgt Ion: 122 Resp: 486

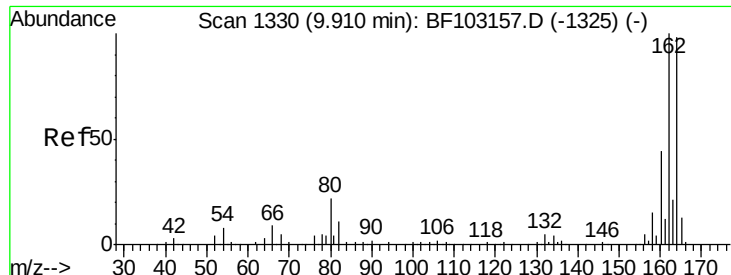
Ion Ratio Lower Upper

122 100

105 118.9 101.1 141.1

77 85.0 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: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

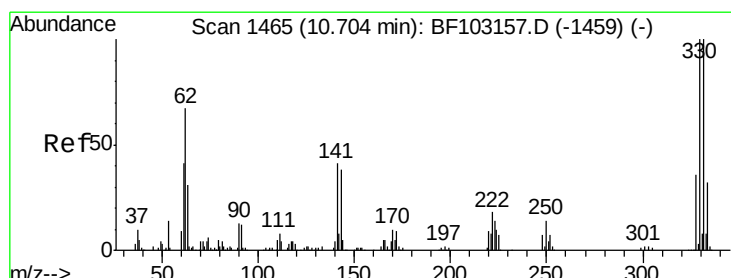
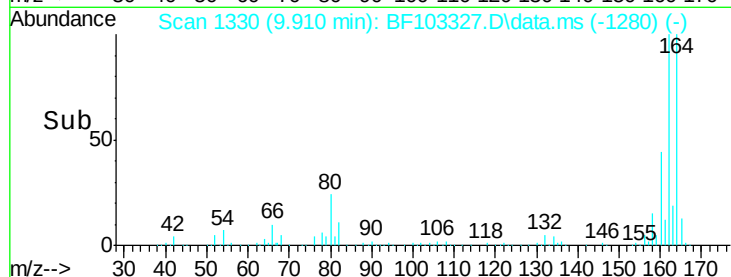
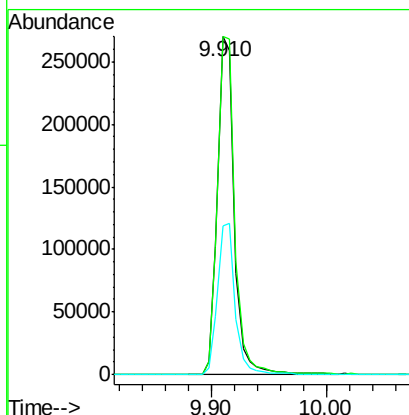
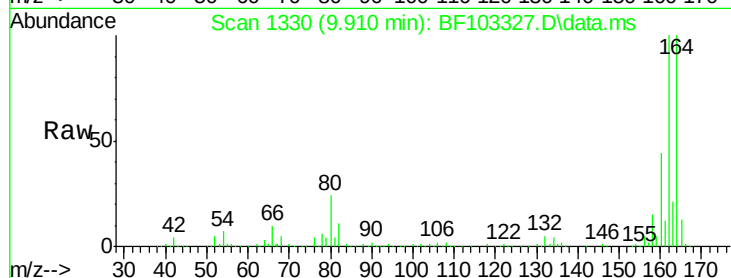
Tot Ion:164 Resp: 275264

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

160 44.2 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 18.39 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

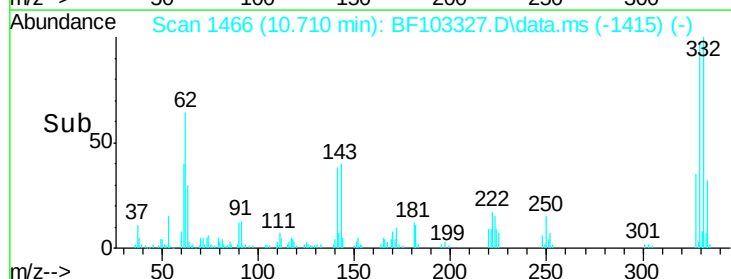
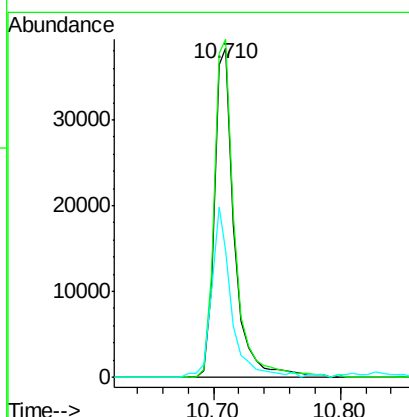
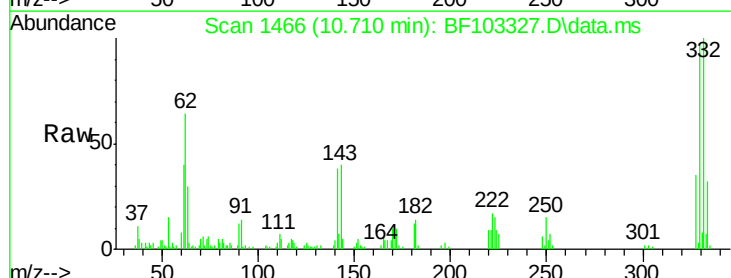
Tgt Ion:330 Resp: 42848

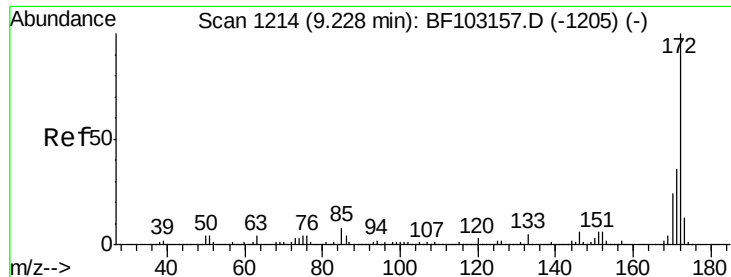
Ion Ratio Lower Upper

330 100

332 105.6 77.0 115.6

141 50.2 29.9 44.9#

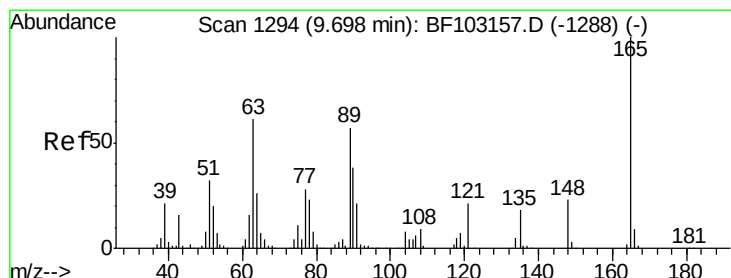
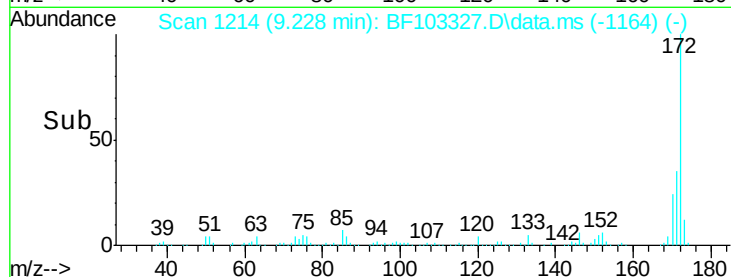
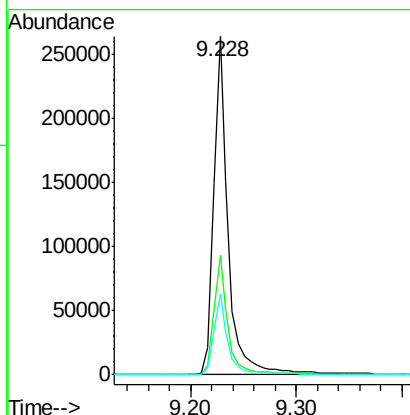
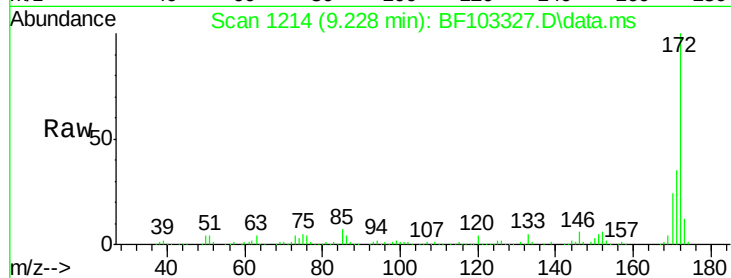




#44
2-Fluorobiphenyl
Concen: 11.24 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

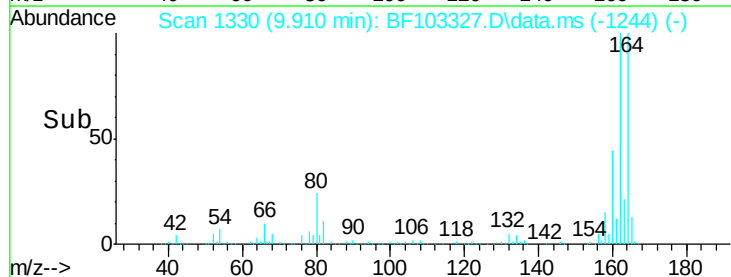
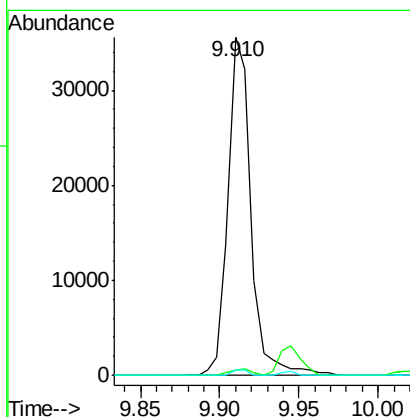
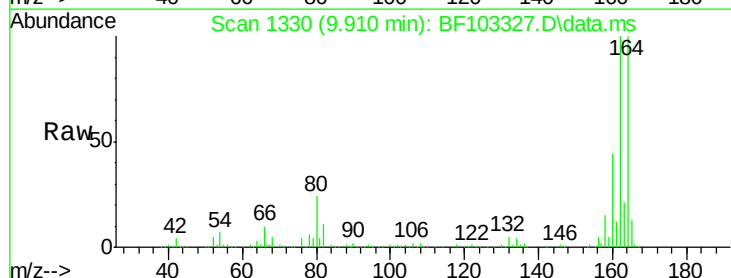
Instrument :
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ClientSampleId :

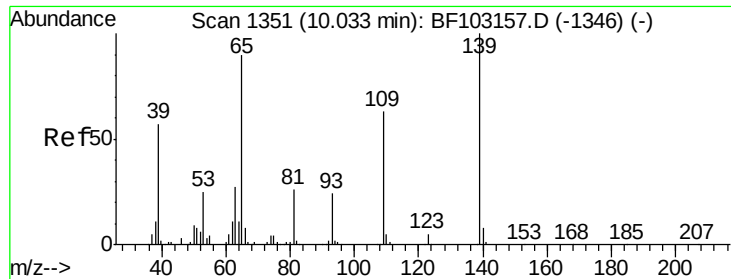
Tot Ion:172 Resp: 254917
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.8 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 7.71 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

Tgt Ion:165 Resp: 35746
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.7 44.0 66.0#

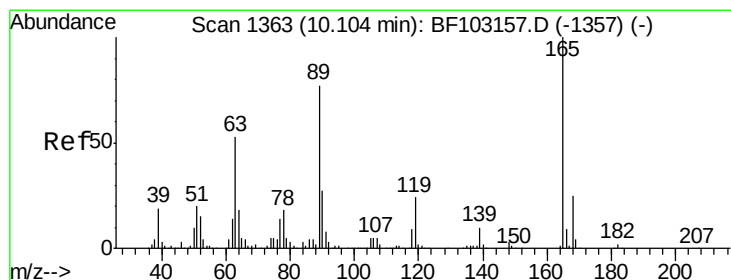
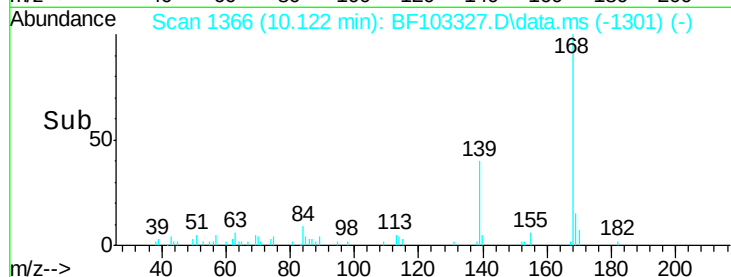
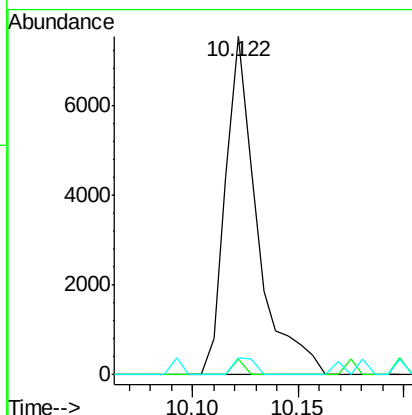
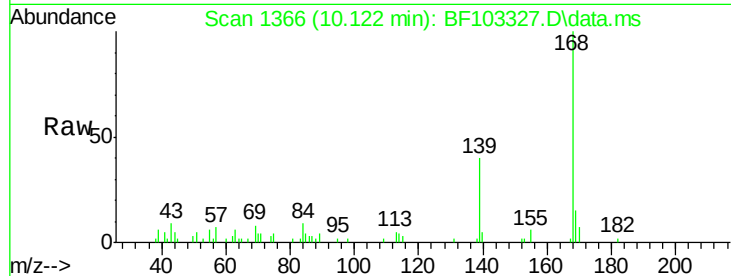




#55
4-Nitrophenol
Concen: 2.14 ng
RT: 10.122 min Scan# 1351
Delta R.T. 0.082 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

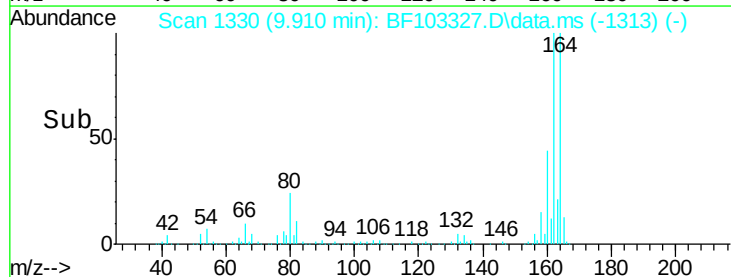
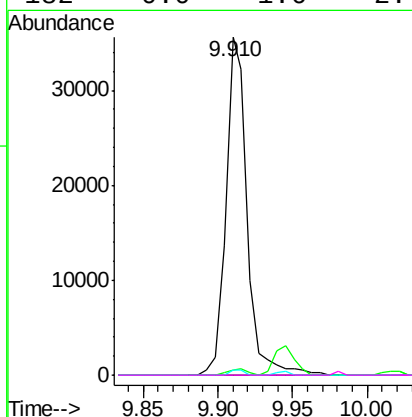
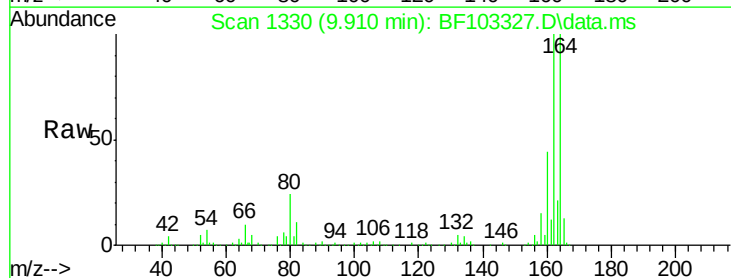
Instrument :
BNA_F
ClientSampleId :

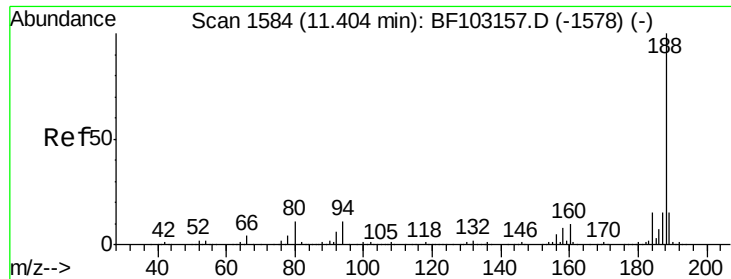
Tot Ion:139 Resp: 7801
Ion Ratio Lower Upper
139 100
109 4.4 48.4 88.4#
65 5.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.200 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

Tgt Ion:165 Resp: 35747
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.7 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: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

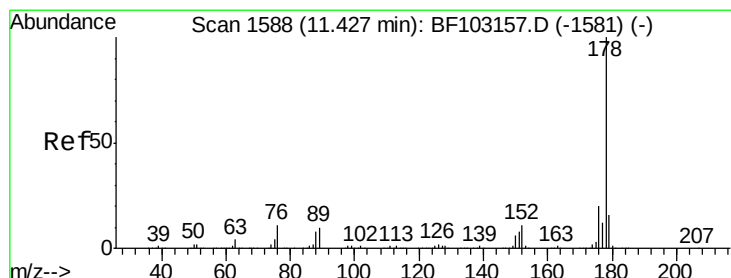
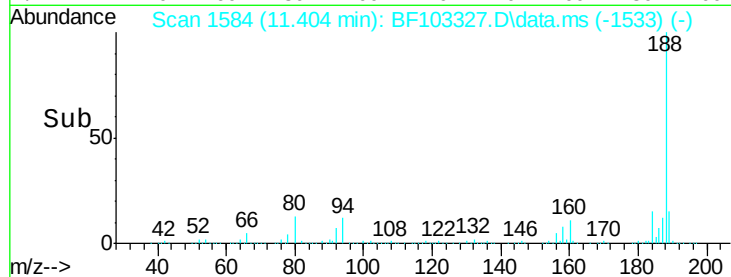
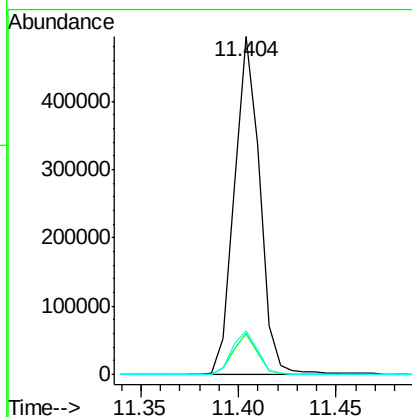
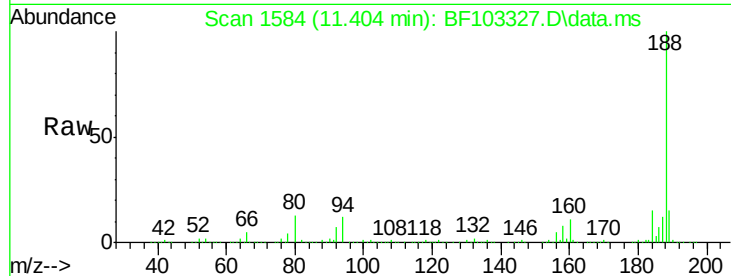
Tot Ion:188 Resp: 447236

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

80 13.1 9.2 13.8



#70

Phenanthrene

Concen: 12.71 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

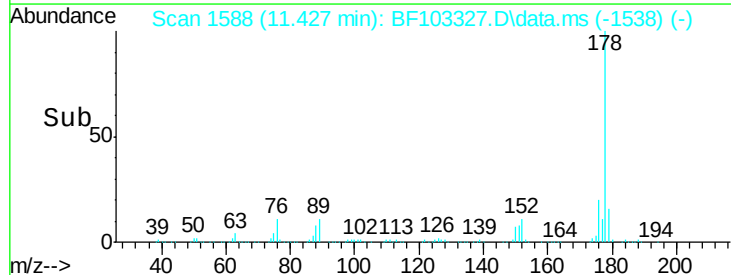
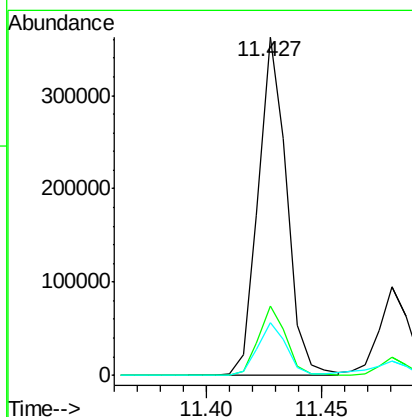
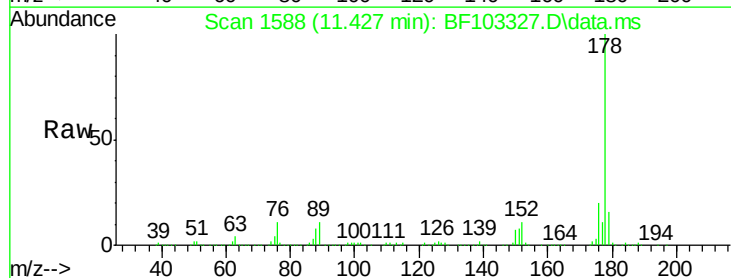
Tgt Ion:178 Resp: 312777

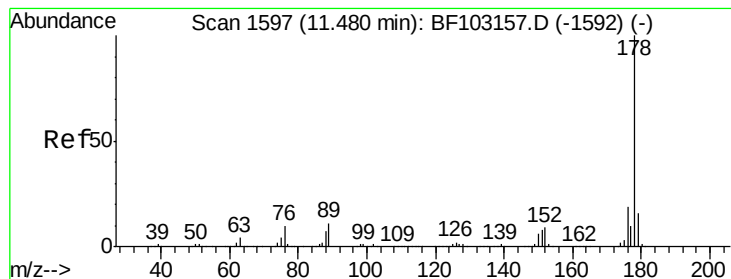
Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

179 15.6 13.0 19.6





#71

Anthracene

Concen: 3.26 ng

RT: 11.480 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampled :

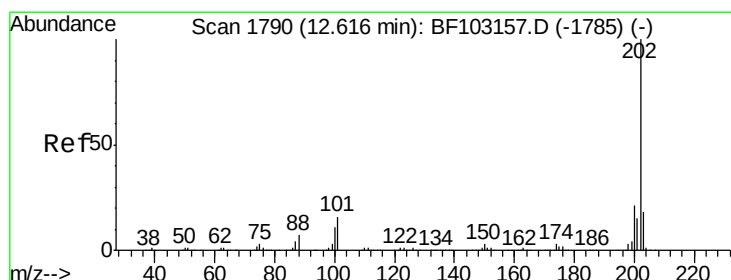
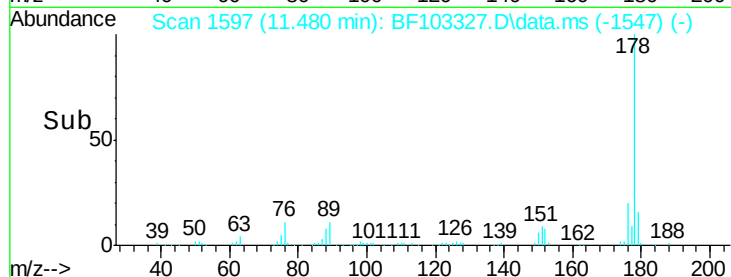
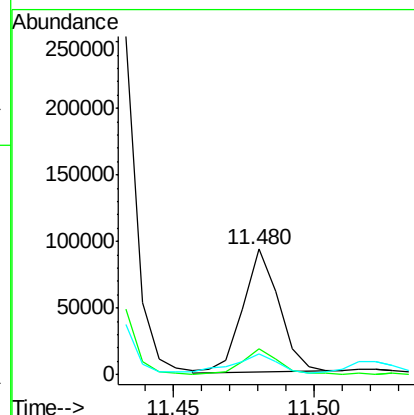
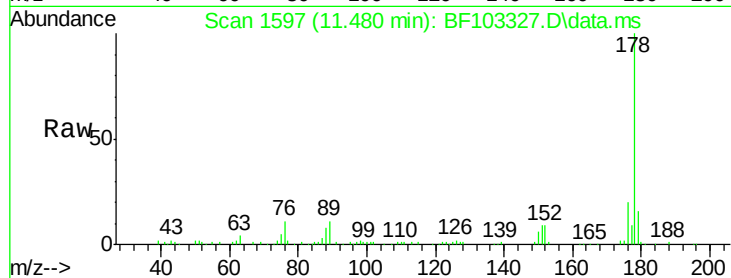
Tot Ion:178 Resp: 82153

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

179 16.0 12.6 19.0



#74

Fluoranthene

Concen: 13.29 ng

RT: 12.621 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

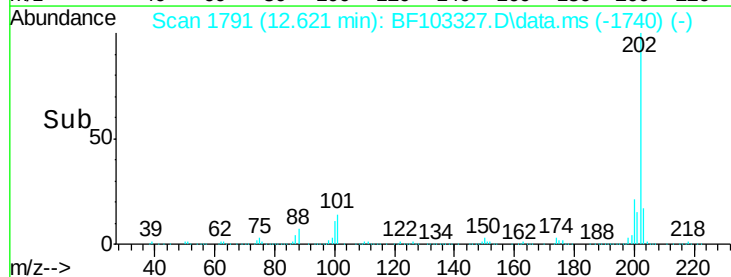
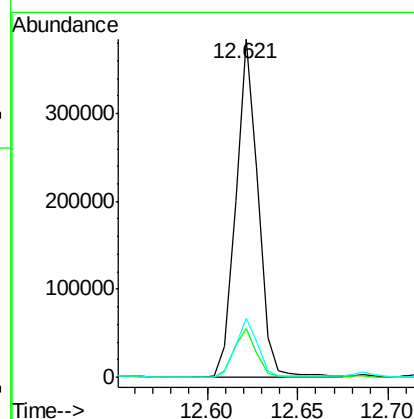
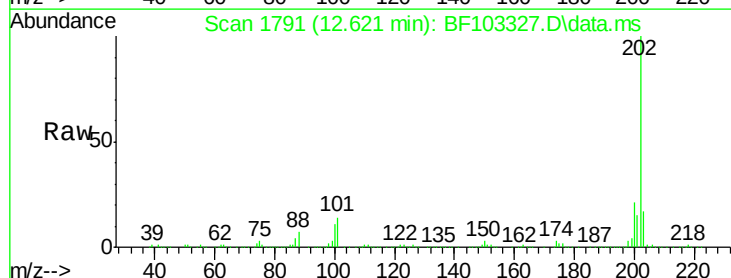
Tgt Ion:202 Resp: 328622

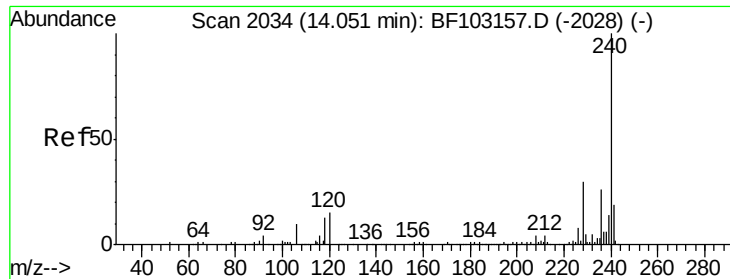
Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

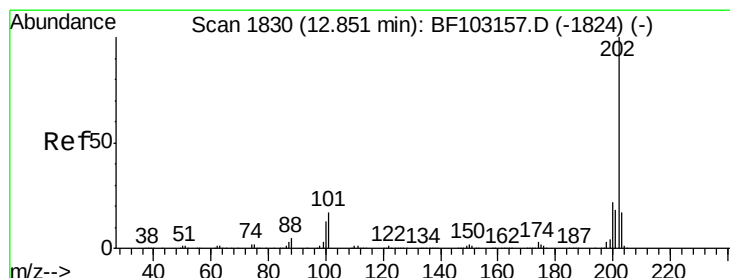
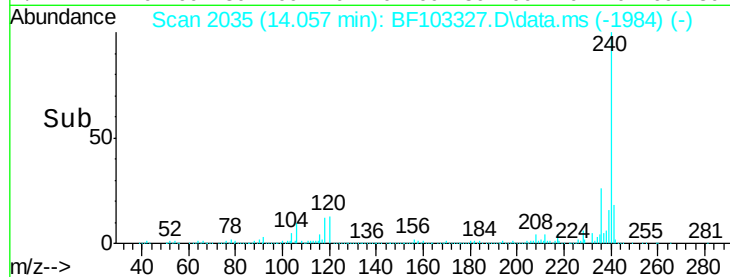
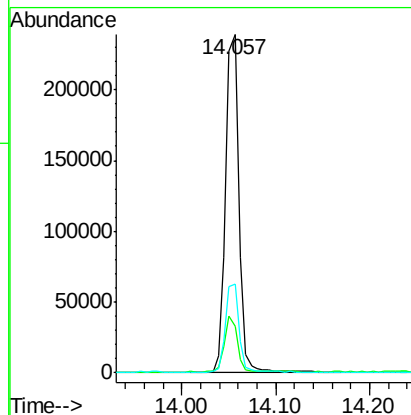
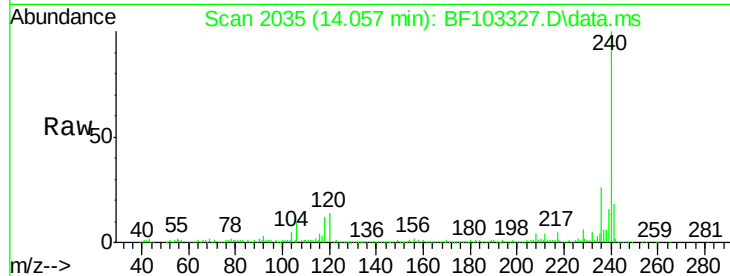
Tot Ion:240 Resp: 238815

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

236 26.1 20.7 31.1



#77

Pyrene

Concen: 14.73 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

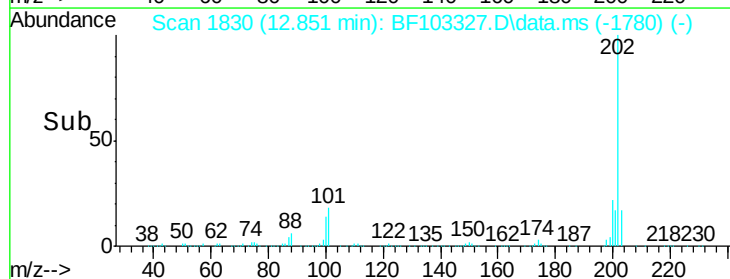
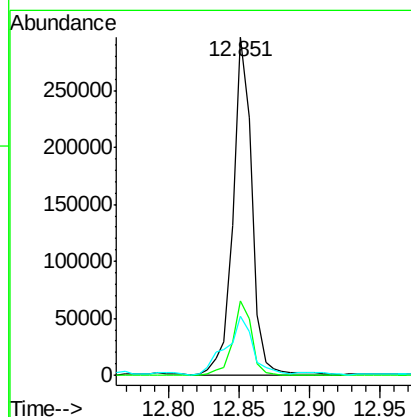
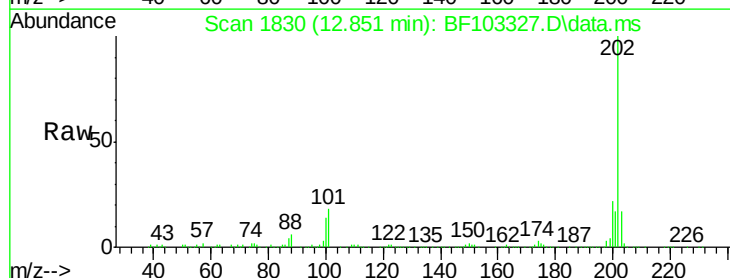
Tgt Ion:202 Resp: 274285

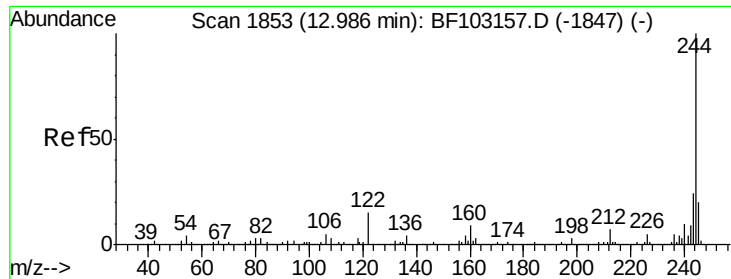
Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

203 17.5 14.3 21.5





#78

Terphenyl-d14

Concen: 17.64 ng

RT: 12.986 min Scan# 18

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

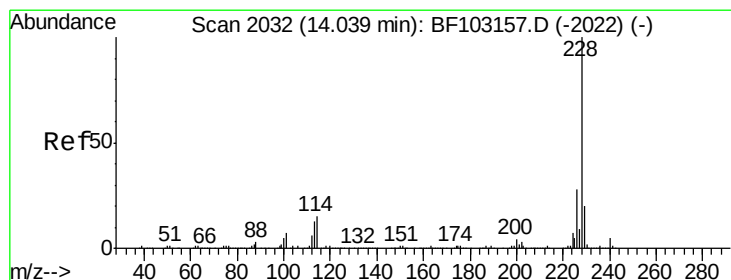
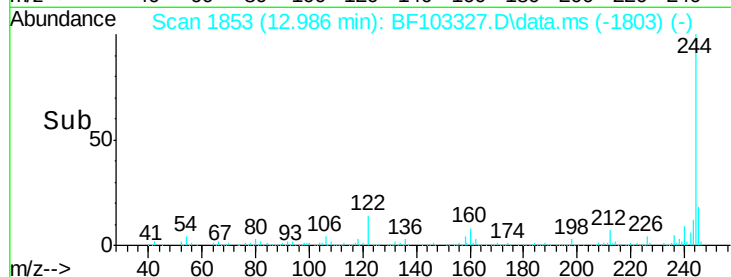
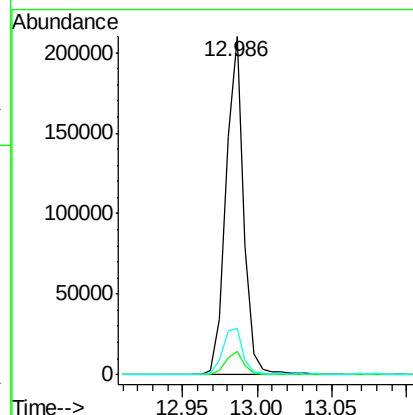
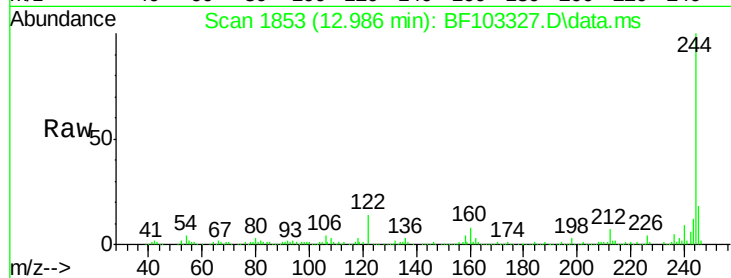
Tot Ion:244 Resp: 175292

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 13.9 11.0 16.4



#80

Benzo(a)anthracene

Concen: 5.96 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

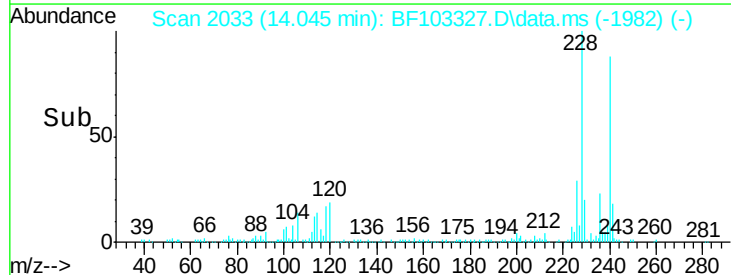
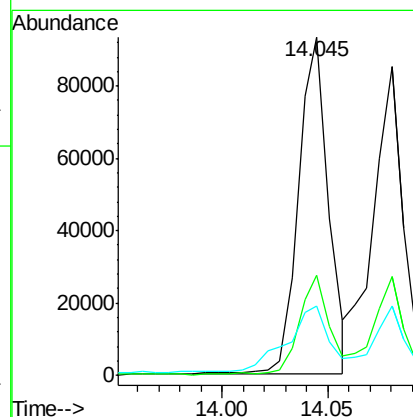
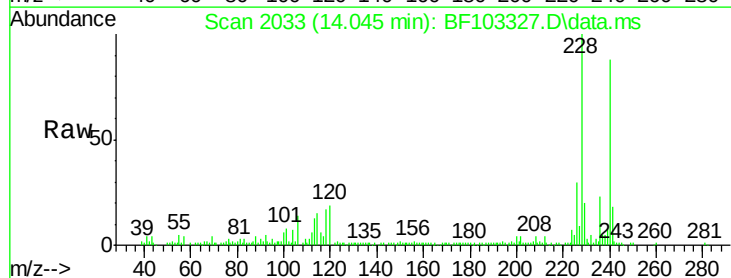
Tgt Ion:228 Resp: 92364

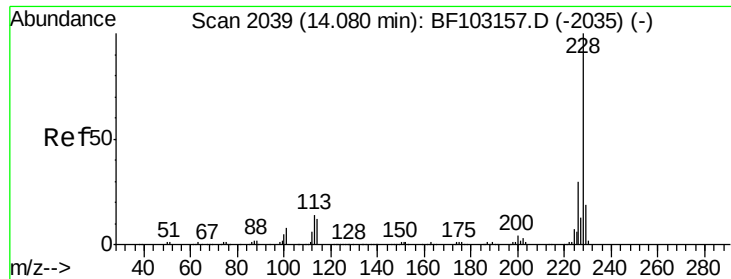
Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

229 20.5 15.8 23.6





#82

Chrysene

Concen: 5.77 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :

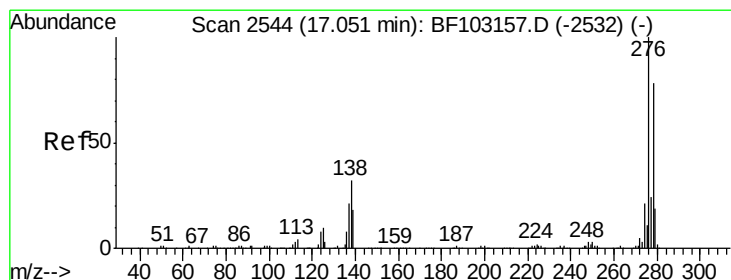
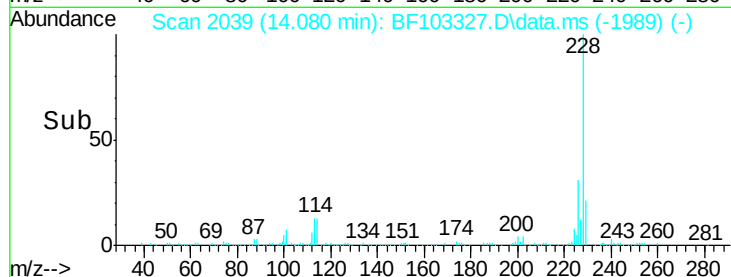
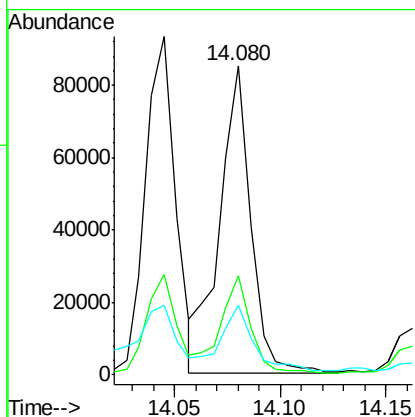
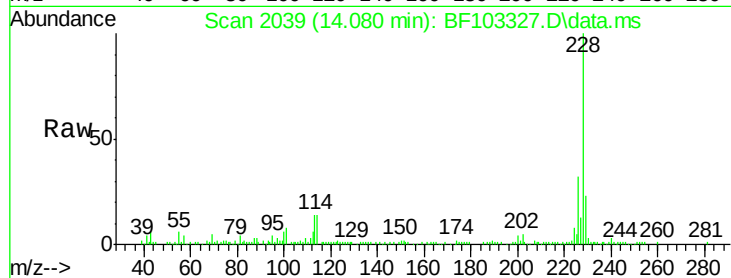
Tot Ion:228 Resp: 86804

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

229 22.6 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.27 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

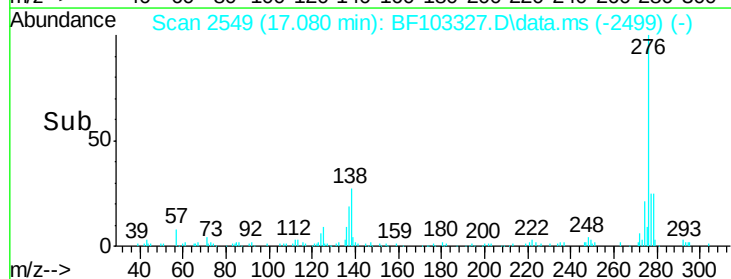
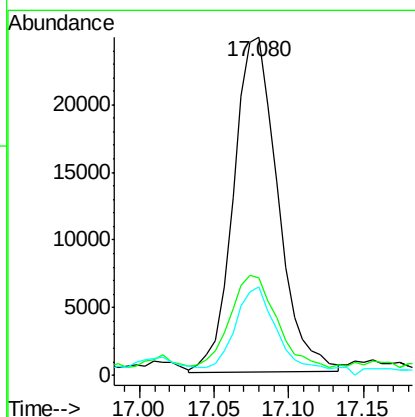
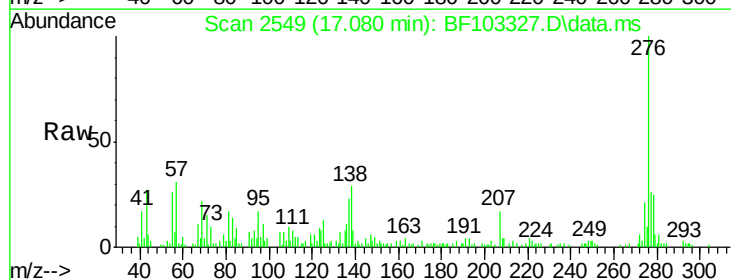
Tgt Ion:276 Resp: 50920

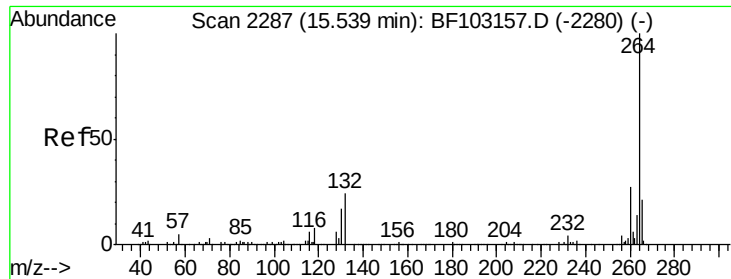
Ion Ratio Lower Upper

276 100

138 29.3 25.0 37.6

277 27.3 20.1 30.1

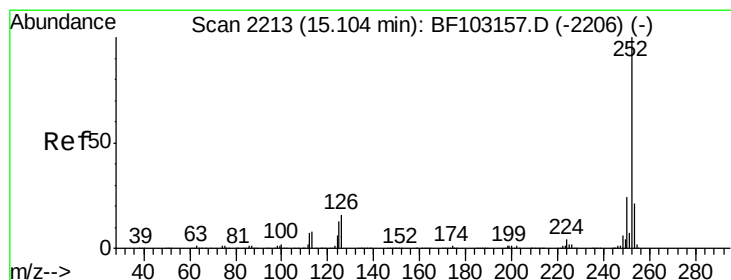
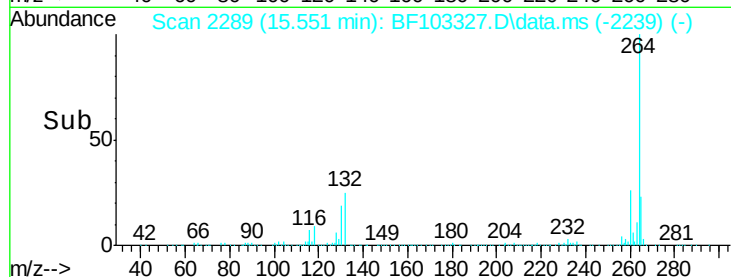
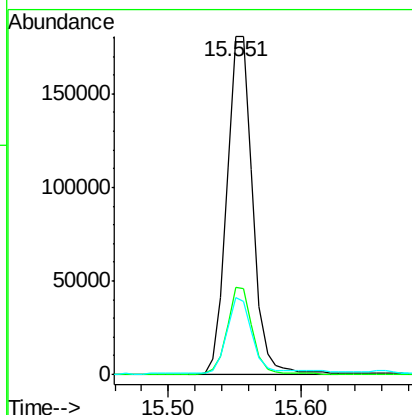
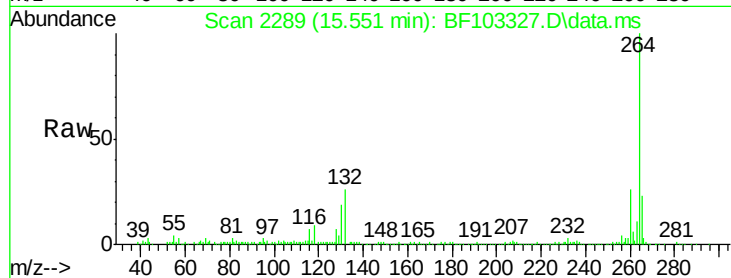




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

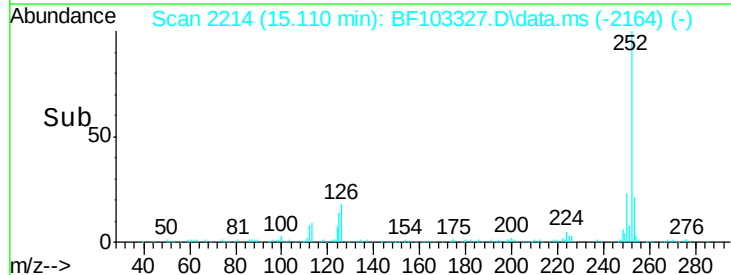
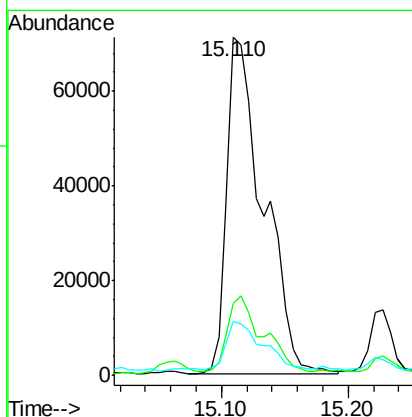
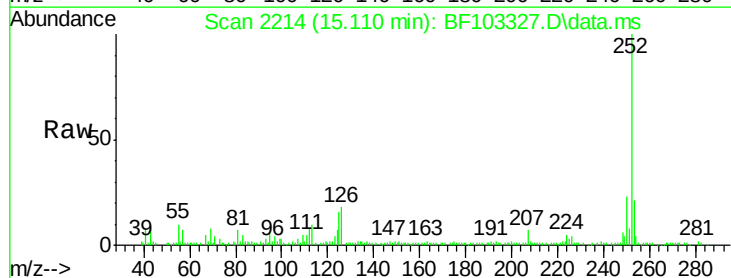
Instrument :
BNA_F
ClientSampleId :

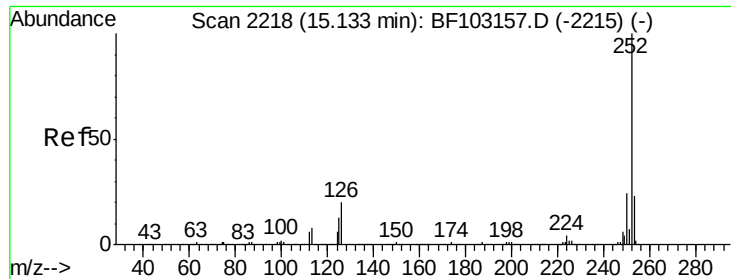
Tot Ion:264 Resp: 246607
Ion Ratio Lower Upper
264 100
260 25.8 19.2 28.8
265 22.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.74 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

Tgt Ion:252 Resp: 141788
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.6
125 15.8 9.0 13.6#

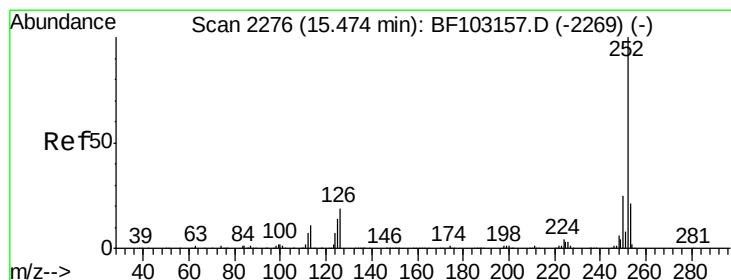
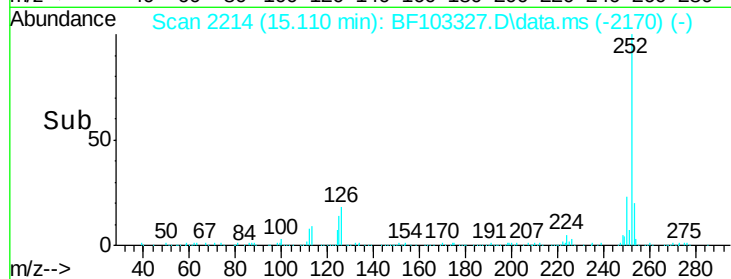
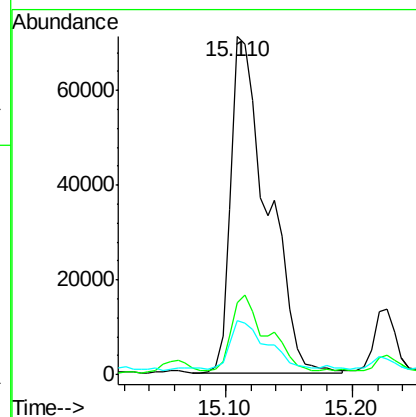
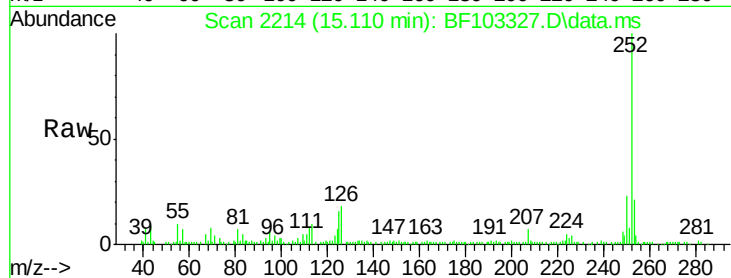




#88
Benzo(k)fluoranthene
Concen: 9.29 ng
RT: 15.110 min Scan# 2218
Delta R.T. -0.041 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

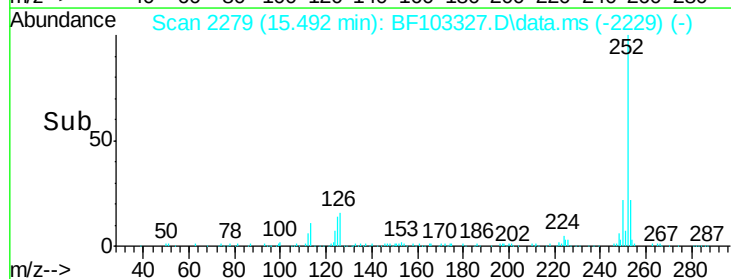
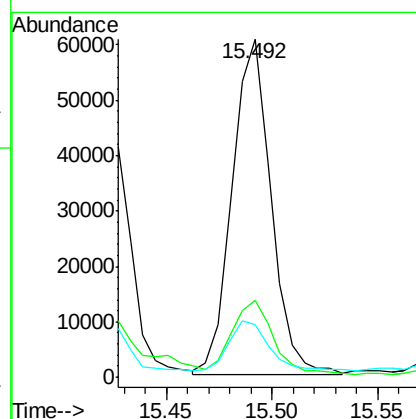
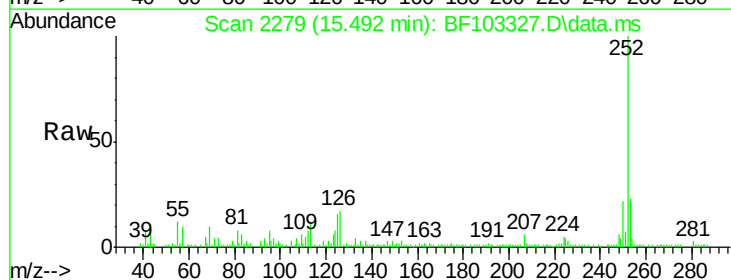
Instrument :
BNA_F
ClientSampleId :

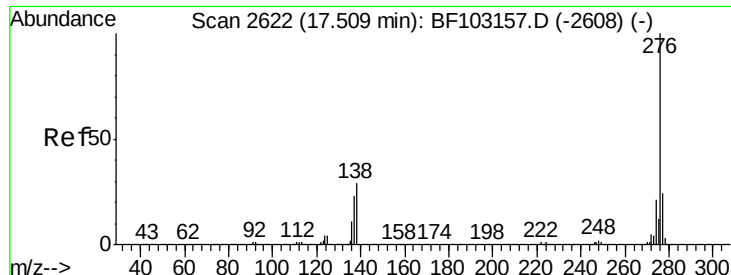
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	15.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.31 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF103327.D
Acq: 1 Mar 2018 11:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.99 ng

RT: 17.539 min Scan# 26

Delta R.T. 0.000 min

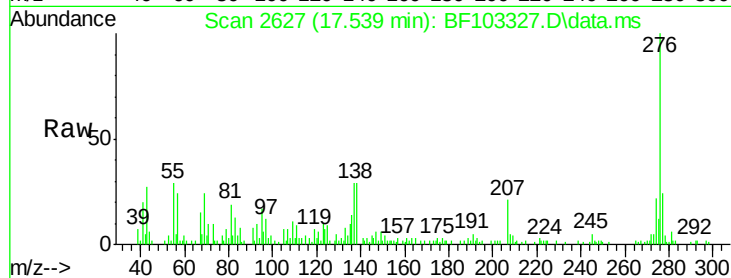
Lab File: BF103327.D

Acq: 1 Mar 2018 11:02

Instrument :

BNA_F

ClientSampleId :



Tot Ion:276 Resp: 54602

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 29.3 21.8 32.8

