

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098068.D
 Acq On : 28 Aug 2017 14:58
 Operator : SJ/JU
 Sample : I4968-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 156-275

Quant Time: Aug 29 07:46:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	94947	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	374773	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	147393	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	197189	20.00	ng	0.01
75) Chrysene-d12	13.93	240	96130	20.00	ng	0.04
86) Perylene-d12	15.36	264	185550	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	179619	28.78	ng	-0.02
7) Phenol-d6	6.37	99	244851	28.87	ng	-0.02
23) Nitrobenzene-d5	7.30	82	143041	20.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	31980	25.01	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	226034	22.53	ng	-0.01
78) Terphenyl-d14	12.86	244	120003	26.03	ng	0.01

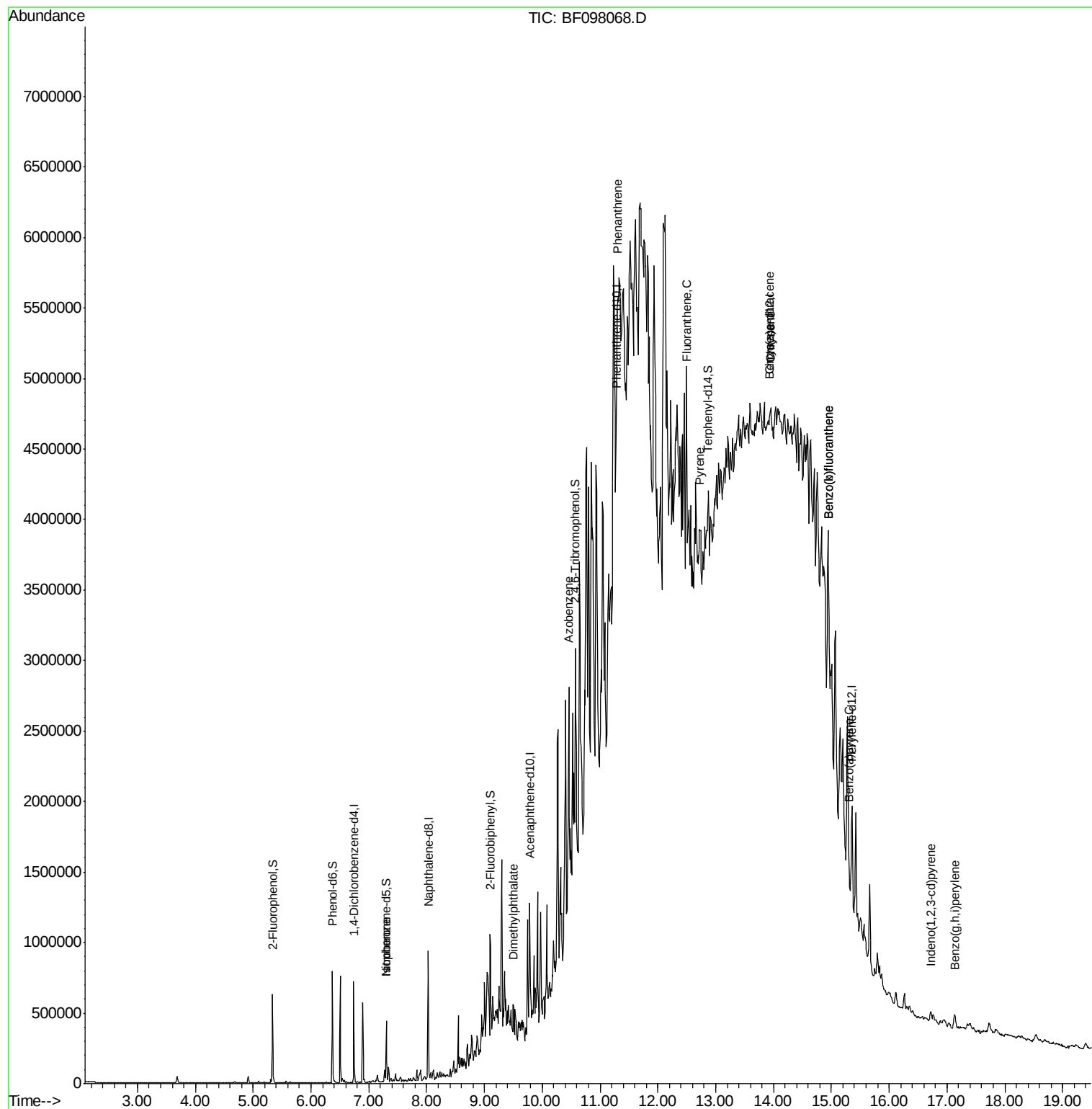
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.30	82	138505	9.655	ng	# 67
49) Dimethylphthalate	9.49	163	24627	2.286	ng	# 98
62) Azobenzene	10.46	77	38702	2.892	ng	# 1
70) Phenanthrene	11.30	178	33558	3.194	ng	# 4
74) Fluoranthene	12.50	202	77604	7.076	ng	# 1
77) Pyrene	12.73	202	96263	12.244	ng	# 34
80) Benzo(a)anthracene	13.92	228	28453	4.939	ng	# 40
82) Chrysene	13.96	228	25487	4.447	ng	# 36
85) Indeno(1,2,3-cd)pyrene	16.72	276	44627	10.585	ng	# 92
87) Benzo(b)fluoranthene	14.96	252	88330	7.552	ng	# 78
88) Benzo(k)fluoranthene	14.96	252	88330	8.039	ng	# 82
89) Benzo(a)pyrene	15.30	252	87699	8.470	ng	# 90
91) Benzo(a,h,i)perylene	17.13	276	70594	8.026	ng	# 93

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

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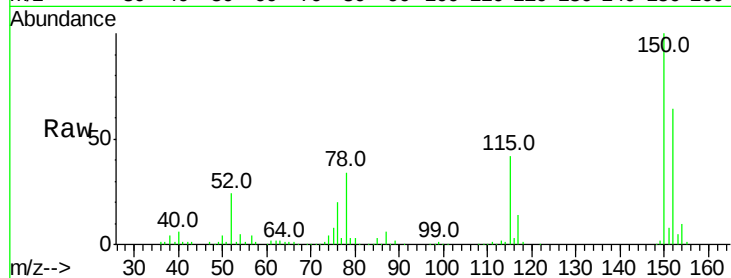


#1

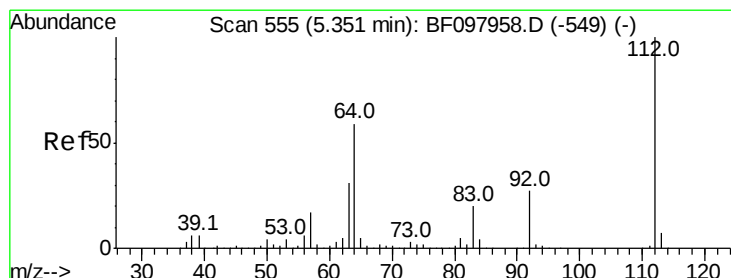
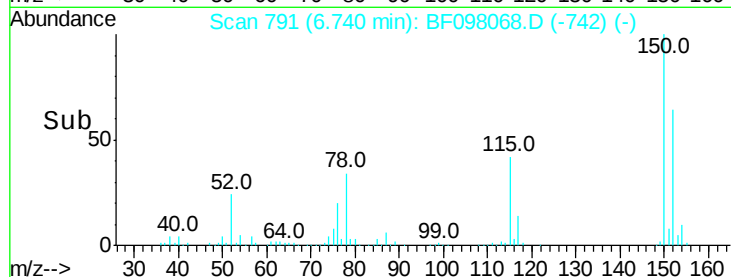
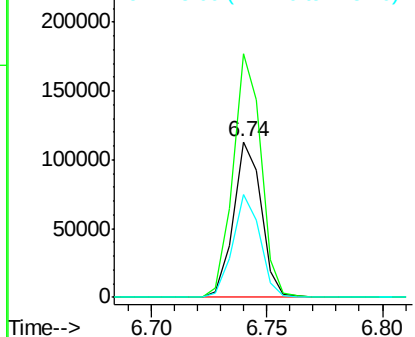
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

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156-275

Tot Ion:152 Resp: 94947
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 66.2 52.2 78.2



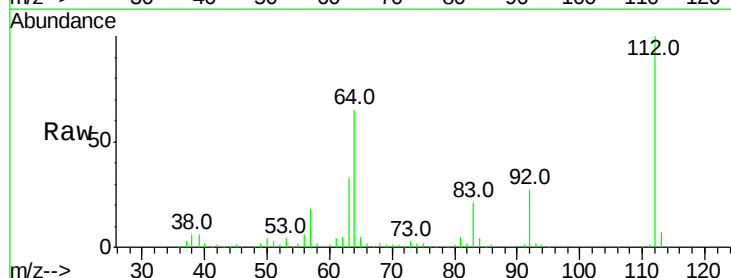
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



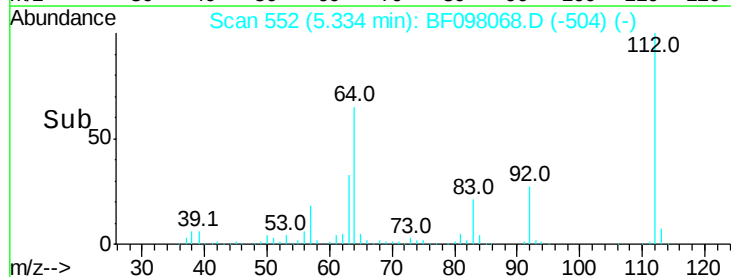
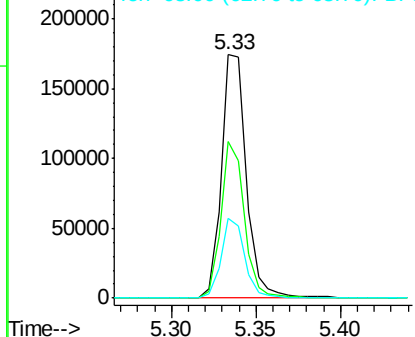
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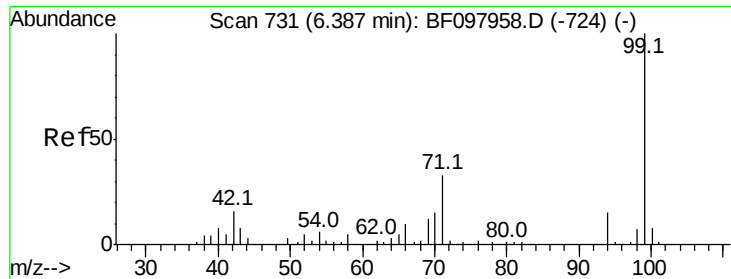
2-Fluorophenol
Concen: 28.775 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Tgt Ion:112 Resp: 179619
Ion Ratio Lower Upper
112 100
64 64.5 46.0 69.0
63 33.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.870 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampleId :

156-275

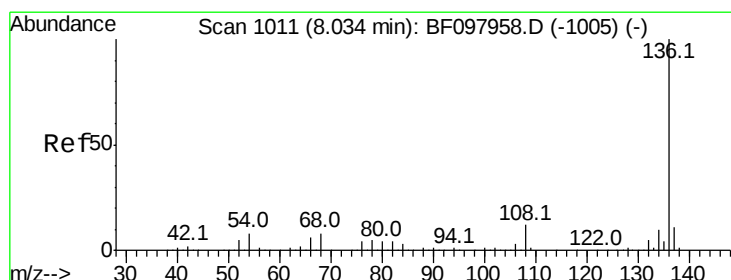
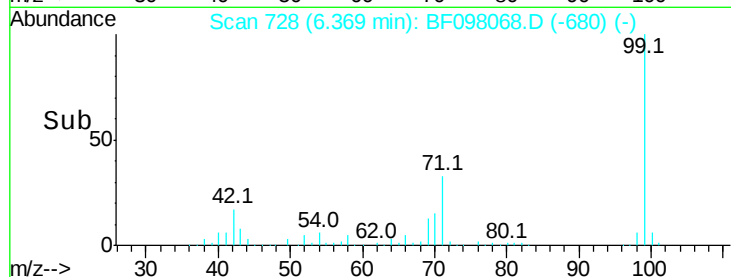
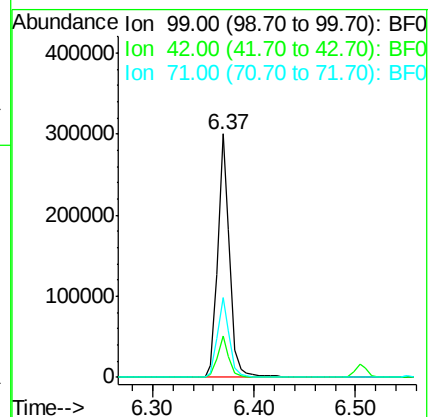
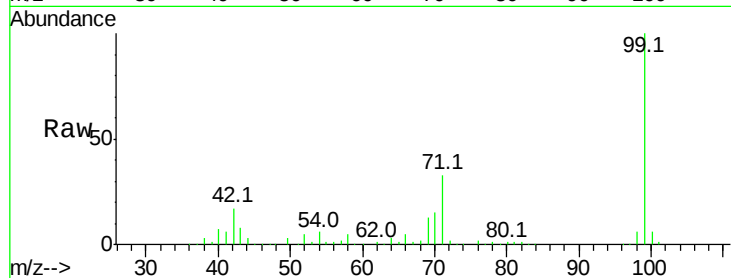
Tot Ion: 99 Resp: 244851

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

71 32.8 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Tgt Ion: 136 Resp: 374773

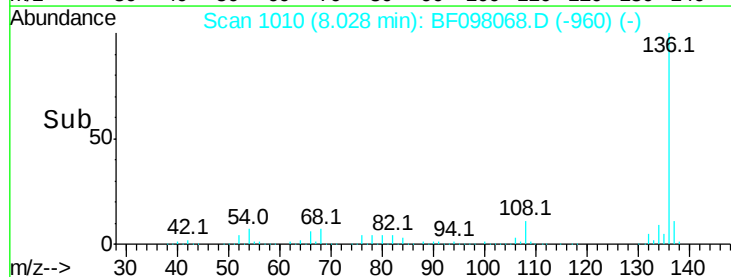
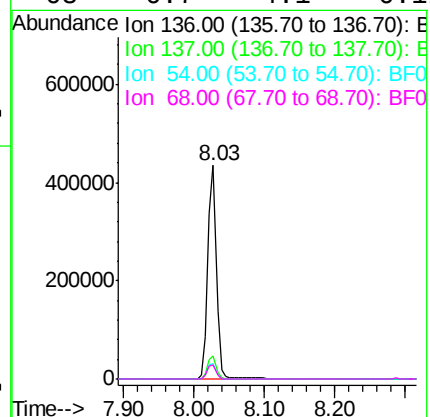
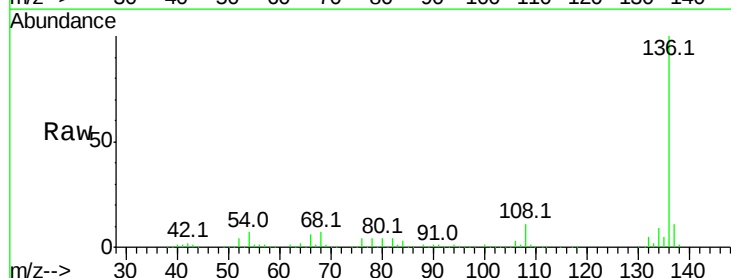
Ion Ratio Lower Upper

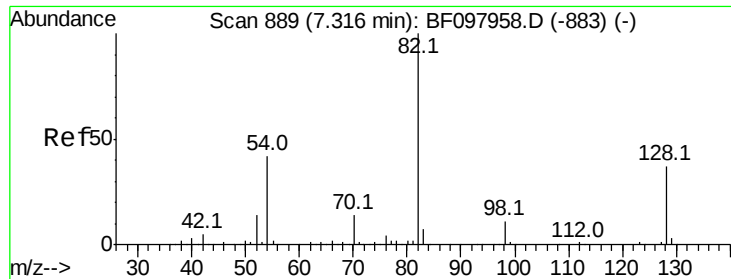
136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 6.7 4.1 6.1#

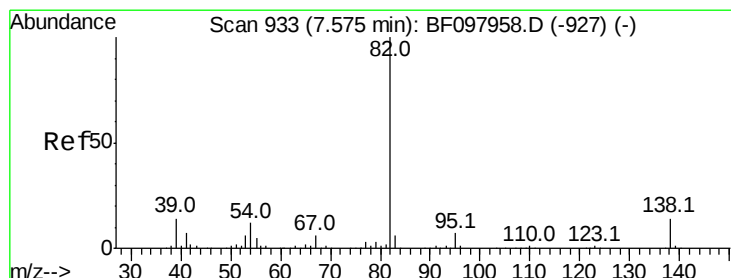
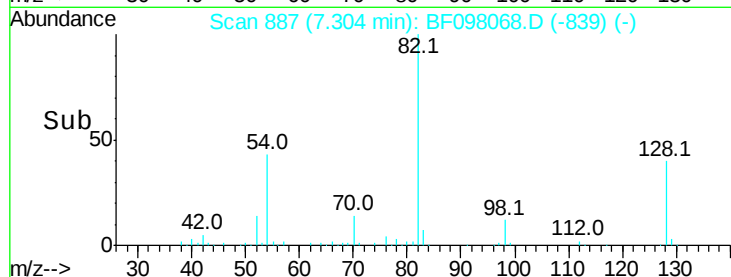
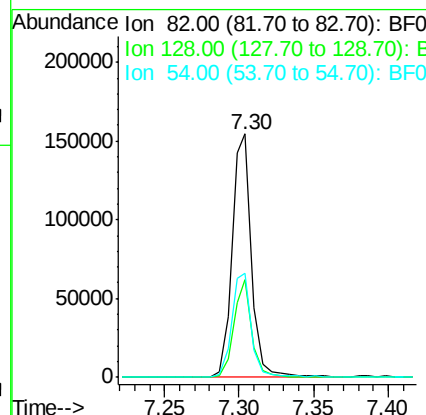
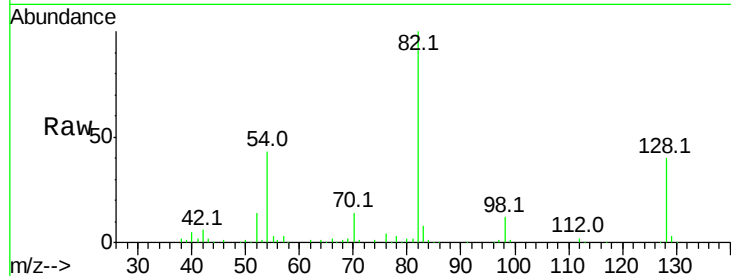




#23
 Nitrobenzene-d5
 Concen: 20.734 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098068.D
 Acq: 28 Aug 2017 14:58

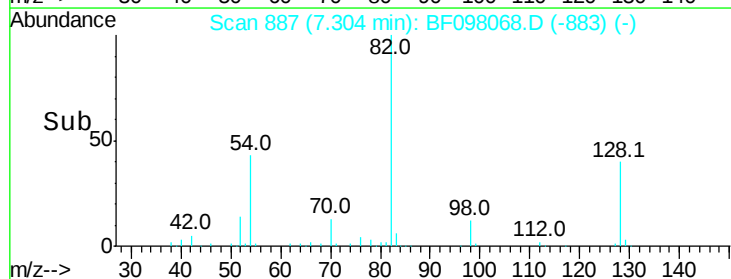
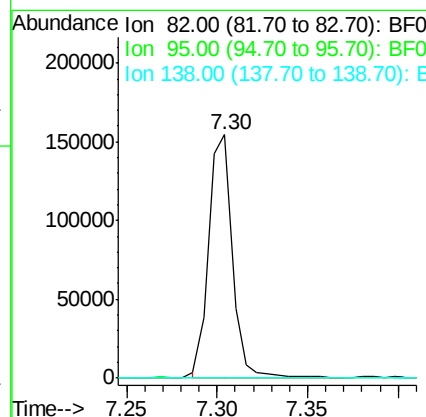
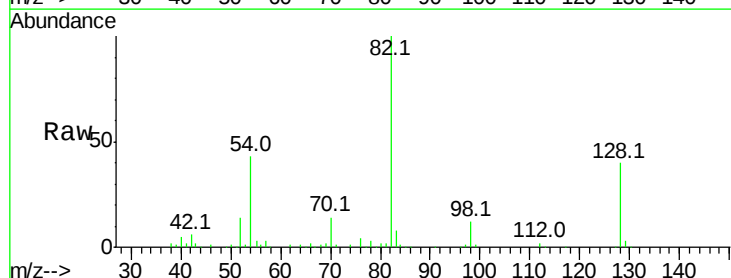
Instrument :
 BNA_F
 ClientSampleId :
 156-275

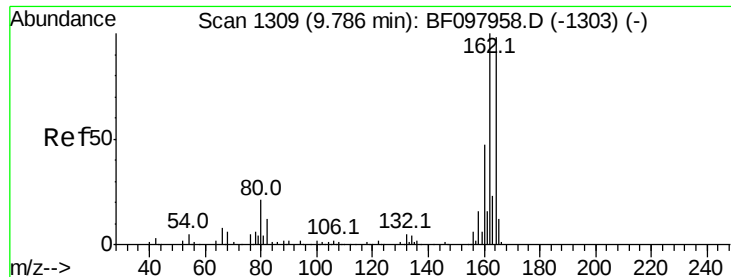
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.0	51.0
54	42.7	42.2	63.2



#25
 Isophorone
 Concen: 9.655 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098068.D
 Acq: 28 Aug 2017 14:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

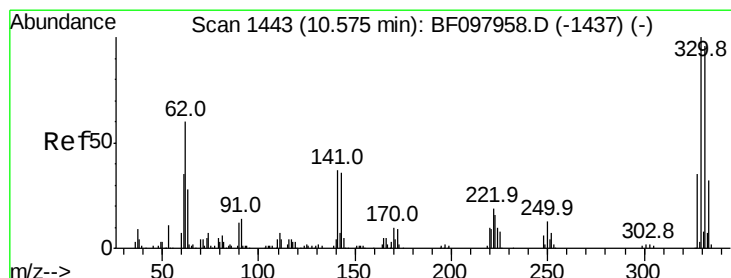
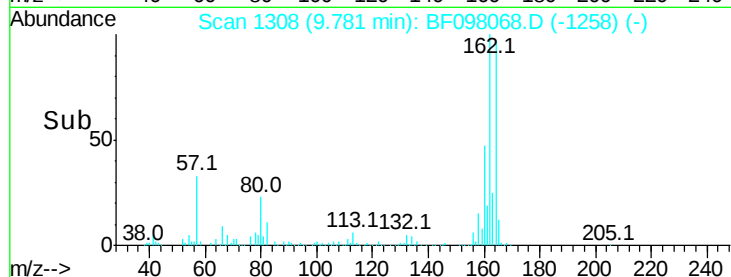
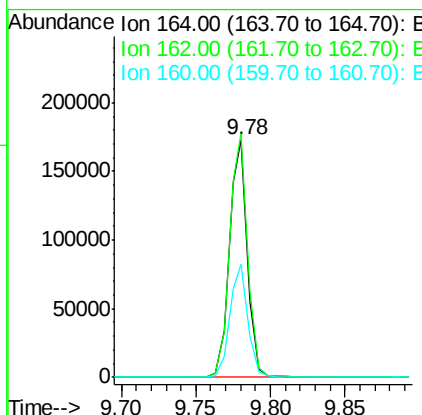
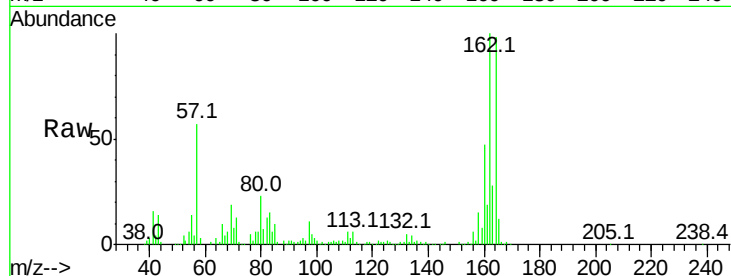




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF098068.D
 Acq: 28 Aug 2017 14:58

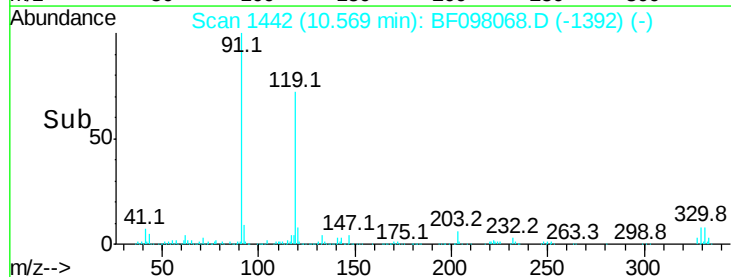
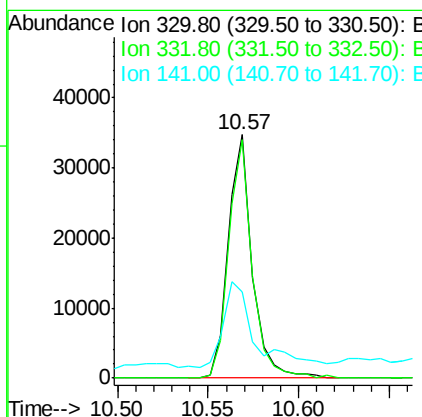
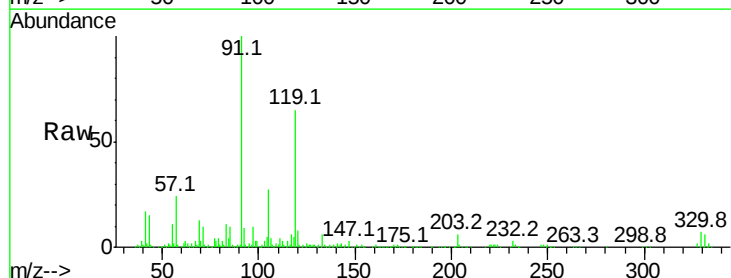
Instrument :
 BNA_F
 ClientSampleId :
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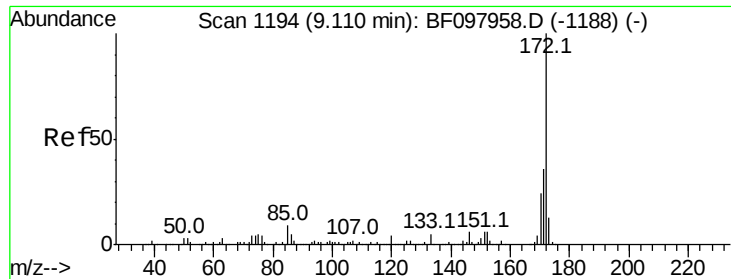
Tot Ion:164 Resp: 147393
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.6 123.8
 160 47.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 25.006 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF098068.D
 Acq: 28 Aug 2017 14:58

Tgt Ion:330 Resp: 31980
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 46.0 31.4 47.2

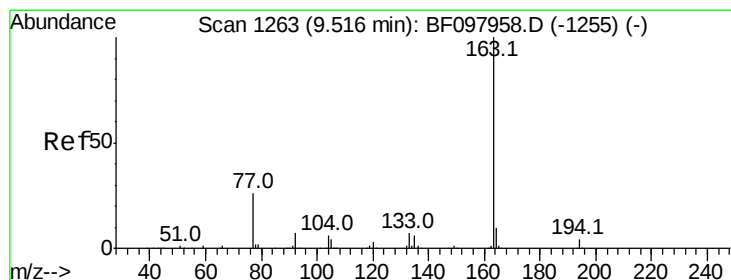
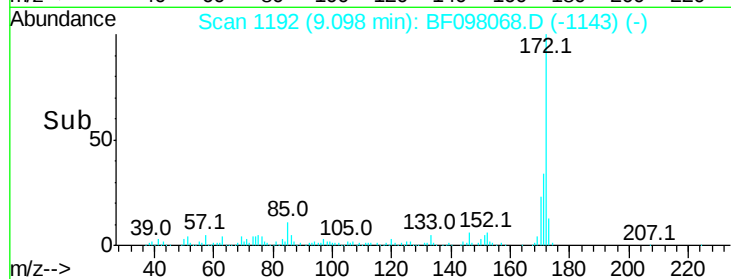
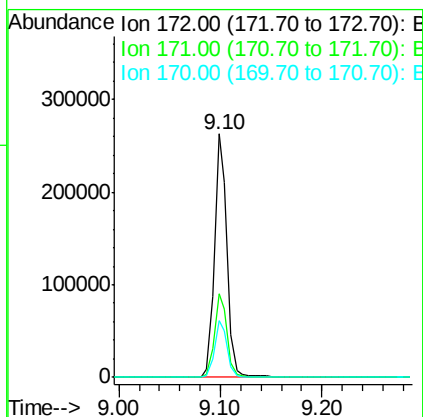
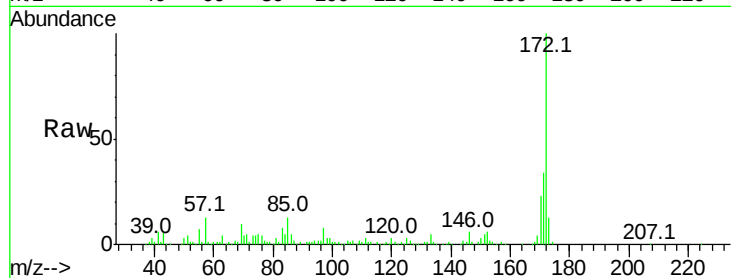




#44
2-Fluorobiphenyl
Concen: 22.531 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

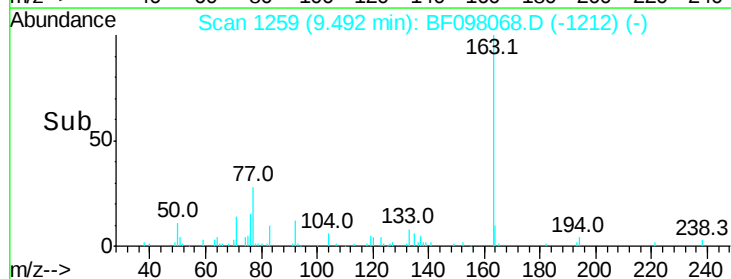
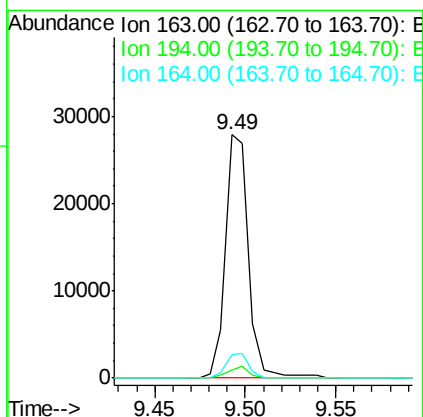
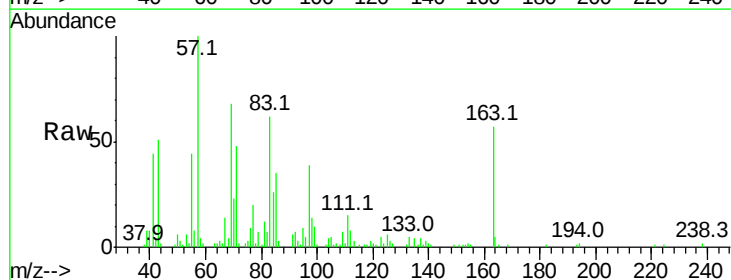
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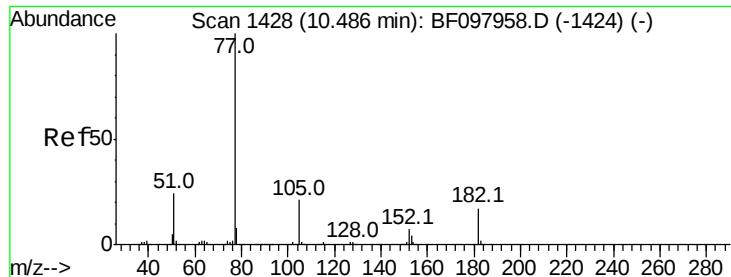
Tot Ion:172 Resp: 226034
Ion Ratio Lower Upper
172 100
171 34.4 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 2.286 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Tgt Ion:163 Resp: 24627
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.6 8.4 12.6

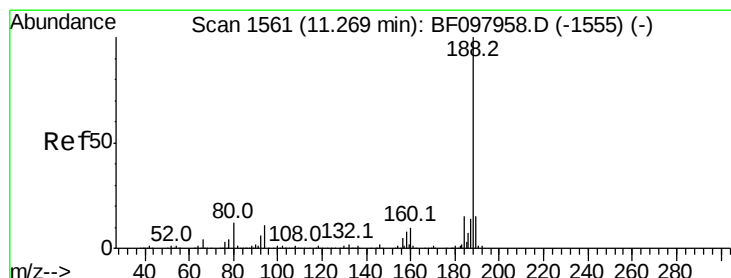
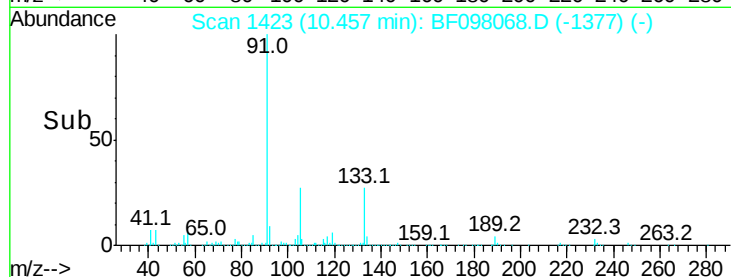
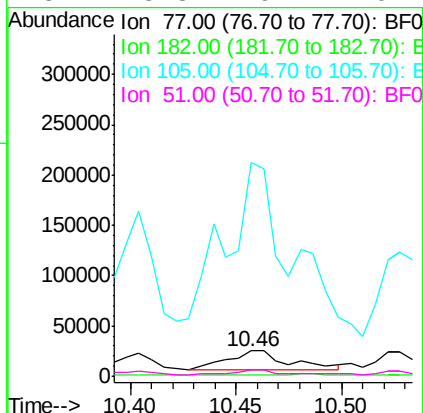
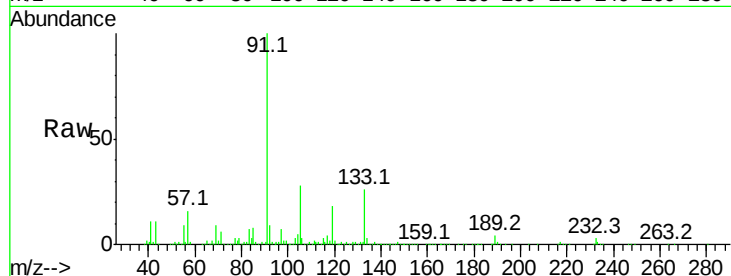




#62
Azobenzene
Concen: 2.892 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.03 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

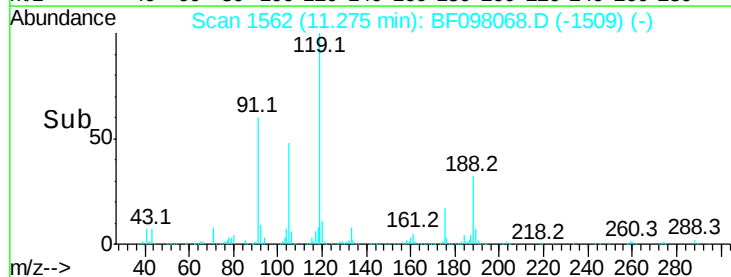
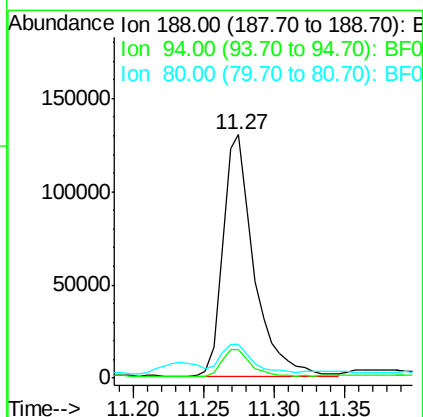
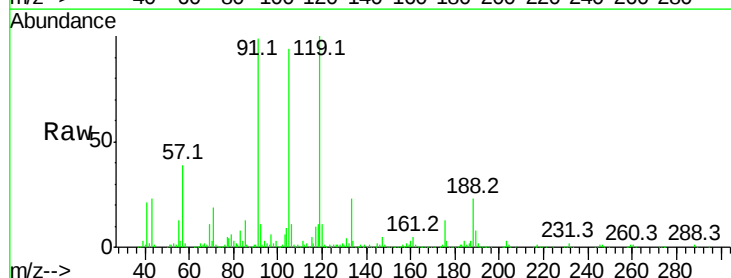
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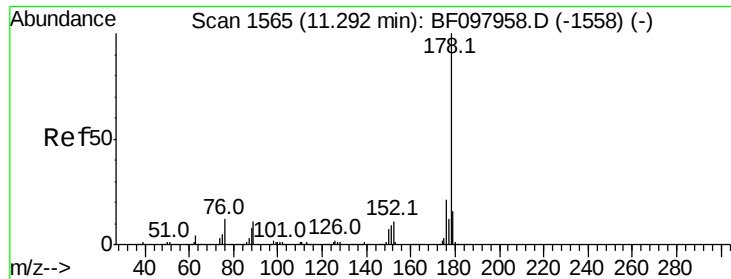
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	4.0	0.1	40.1	
105	843.5	3.6	43.6	
51	25.8	9.4	49.4	



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	11.6	9.4	14.2	
80	13.8	10.2	15.2	





#70

Phenanthrene

Concen: 3.194 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampleId :

156-275

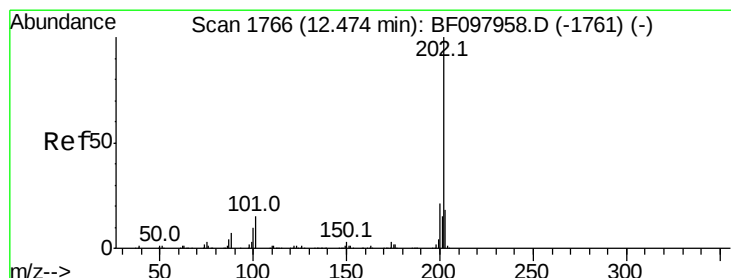
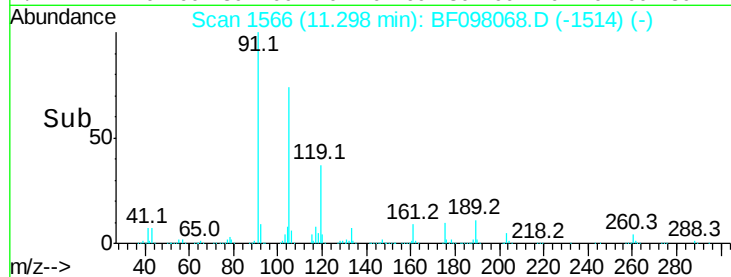
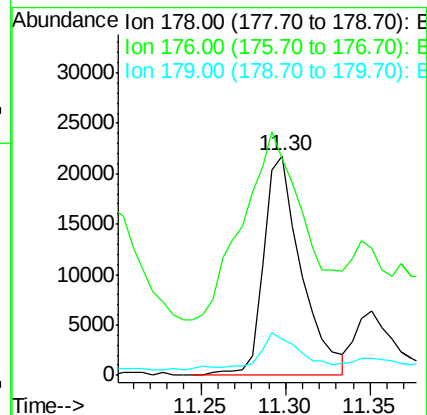
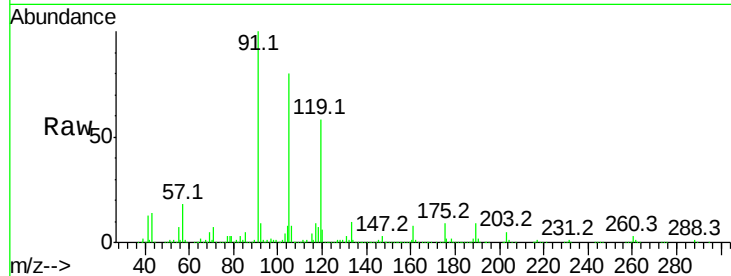
Tot Ion:178 Resp: 33558

Ion Ratio Lower Upper

178 100

176 98.5 16.2 24.4#

179 16.4 12.6 19.0



#74

Fluoranthene

Concen: 7.076 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.03 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

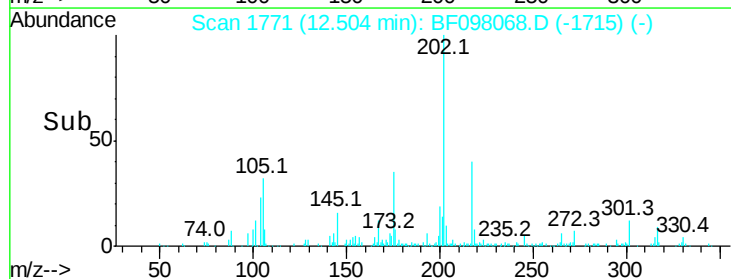
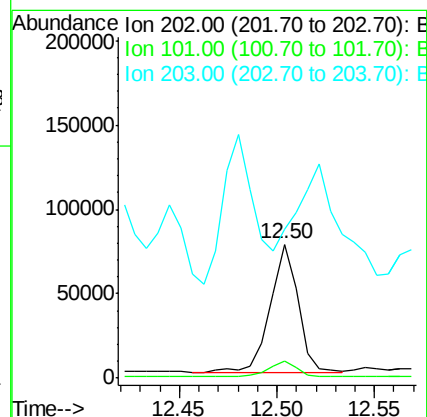
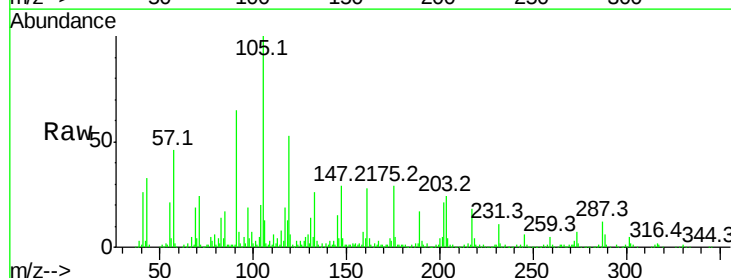
Tgt Ion:202 Resp: 77604

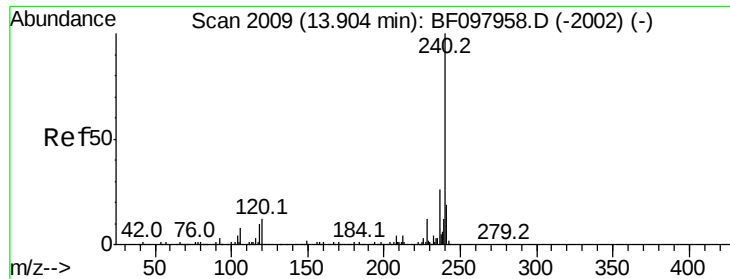
Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

203 110.9 0.0 38.1#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.04 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampleId :

156-275

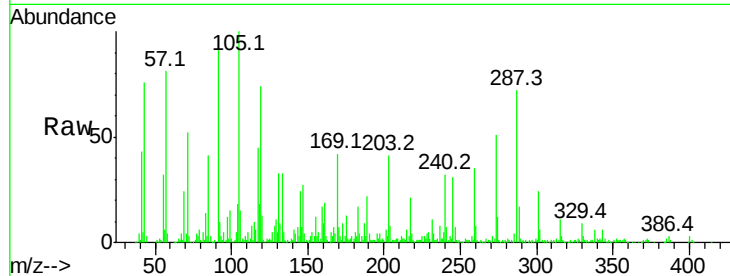
Tot Ion:240 Resp: 96130

Ion Ratio Lower Upper

240 100

120 38.7 5.8 8.8#

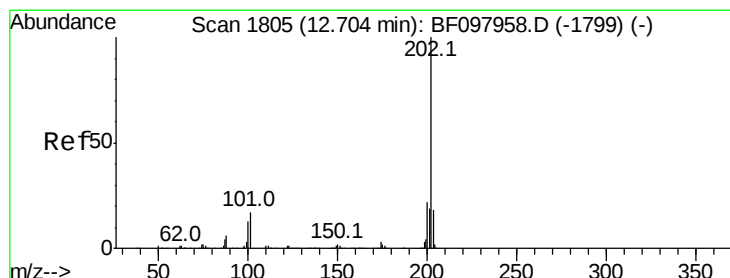
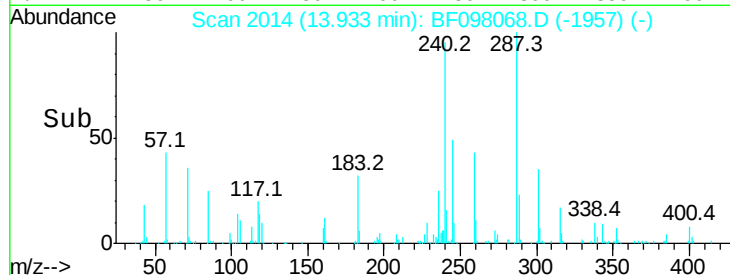
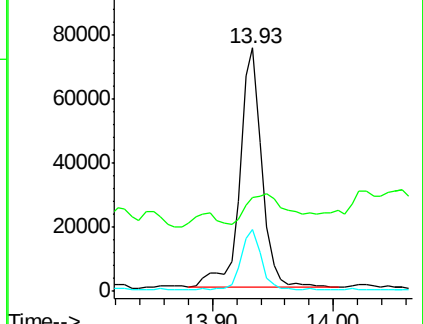
236 25.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.244 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.02 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

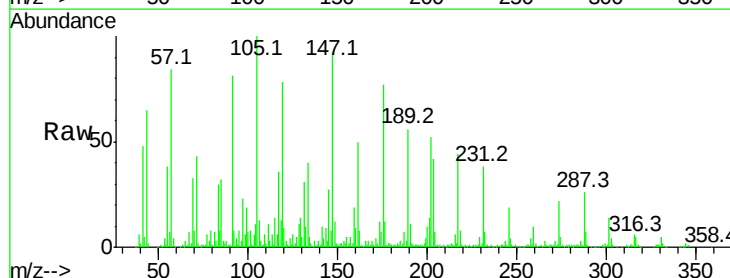
Tgt Ion:202 Resp: 96263

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

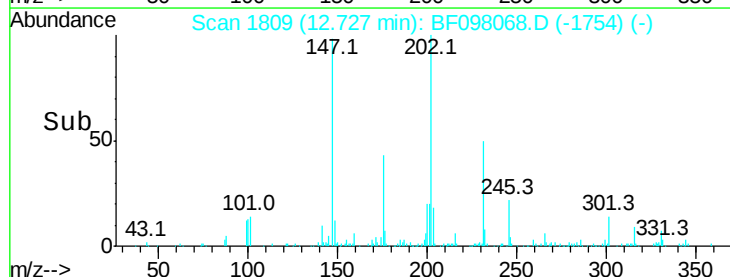
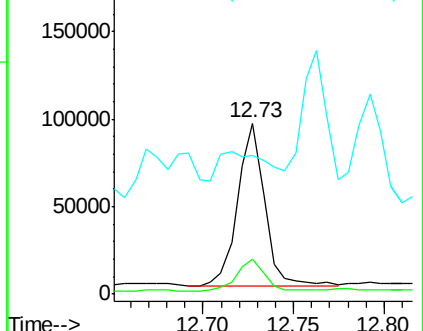
203 81.3 14.4 21.6#

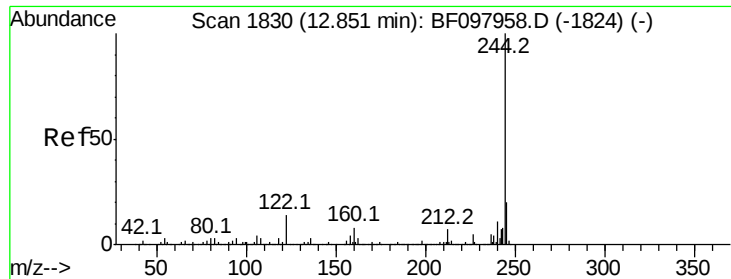


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.032 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampleId :

156-275

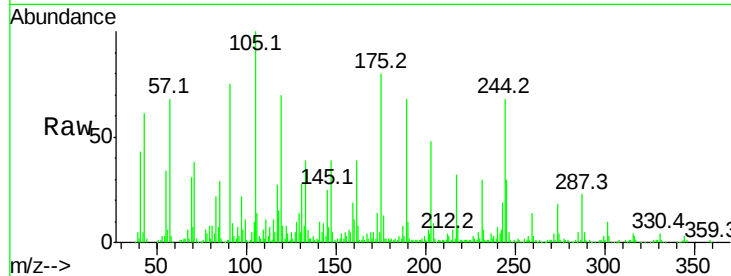
Tot Ion:244 Resp: 120003

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

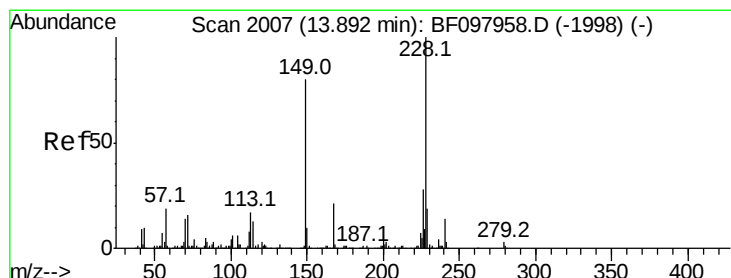
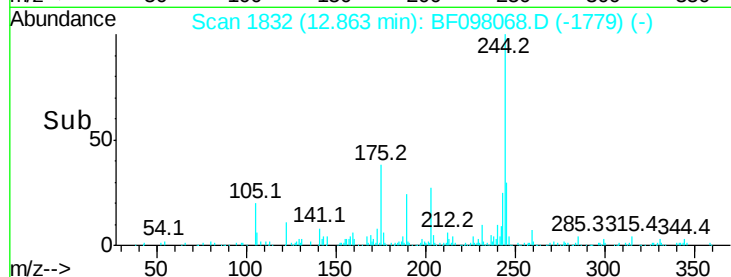
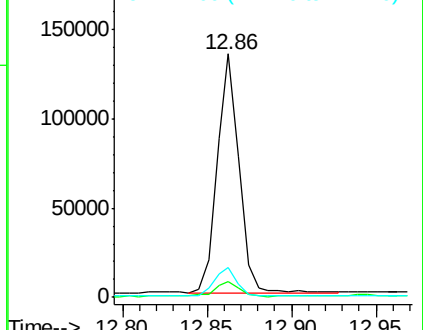
122 12.2 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.939 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.04 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

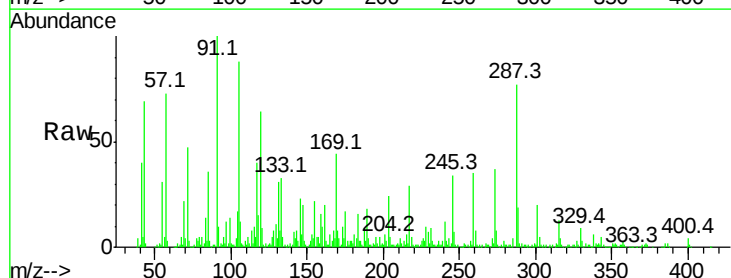
Tgt Ion:228 Resp: 28453

Ion Ratio Lower Upper

228 100

226 41.9 22.6 33.8#

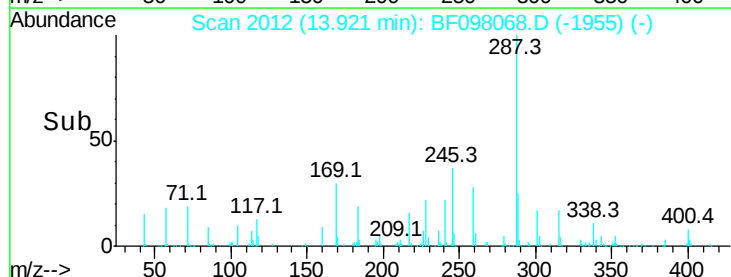
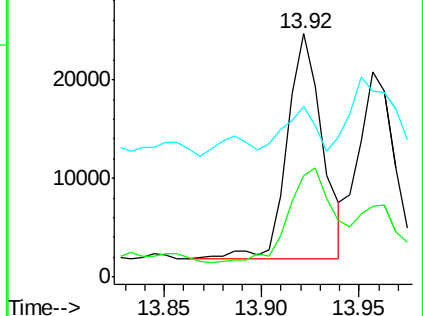
229 69.9 16.3 24.5#

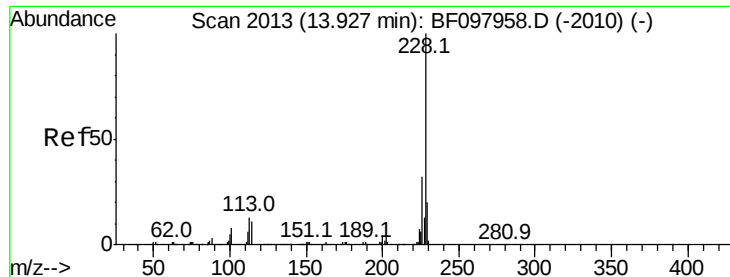


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.447 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.03 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampleId :

156-275

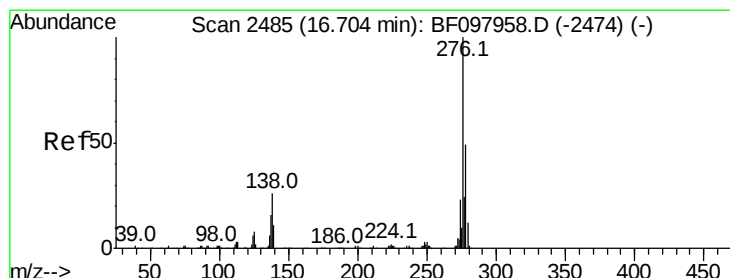
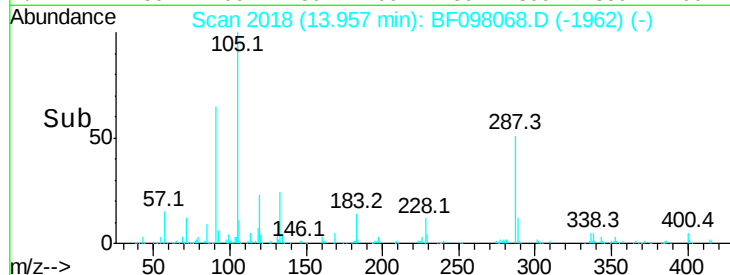
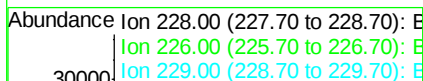
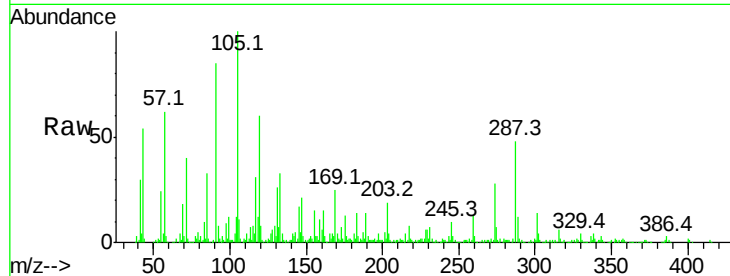
Tot Ion:228 Resp: 25487

Ion Ratio Lower Upper

228 100

226 34.2 24.9 37.3

229 90.7 15.8 23.6#



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.585 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.04 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

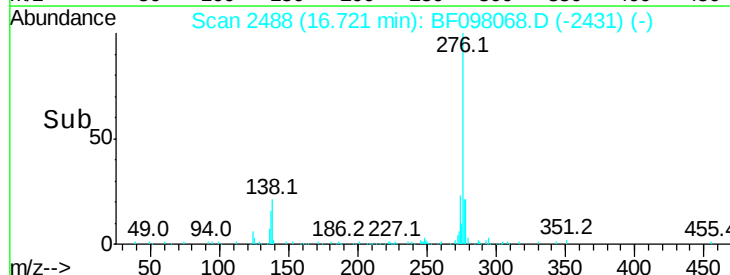
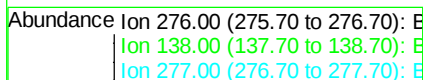
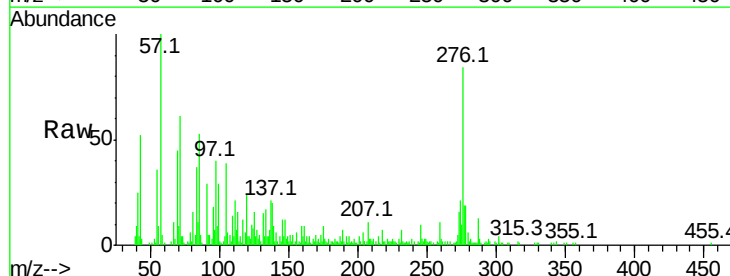
Tgt Ion:276 Resp: 44627

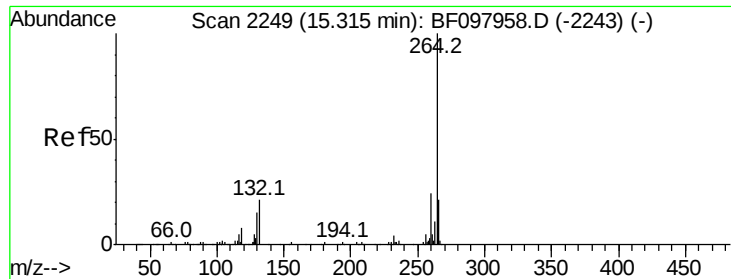
Ion Ratio Lower Upper

276 100

138 26.7 27.8 41.6#

277 25.3 20.2 30.4

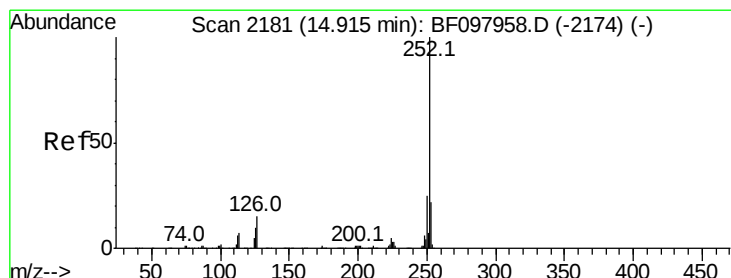
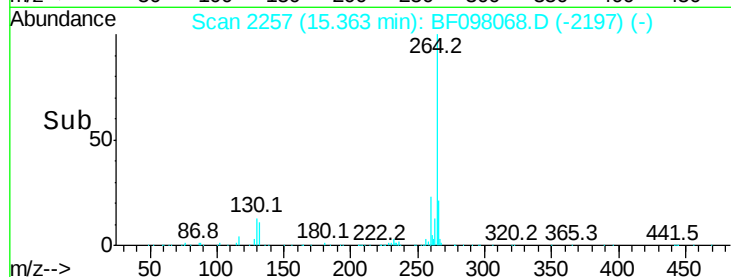
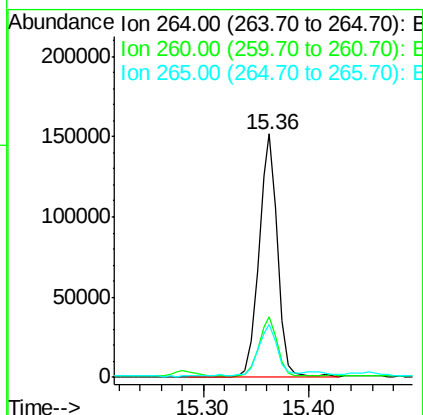
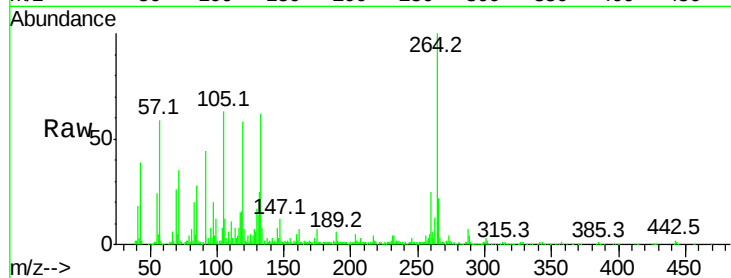




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.05 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

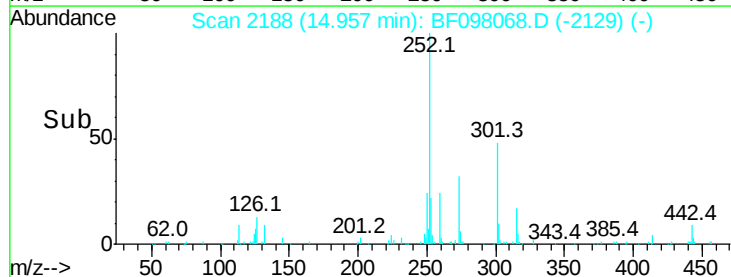
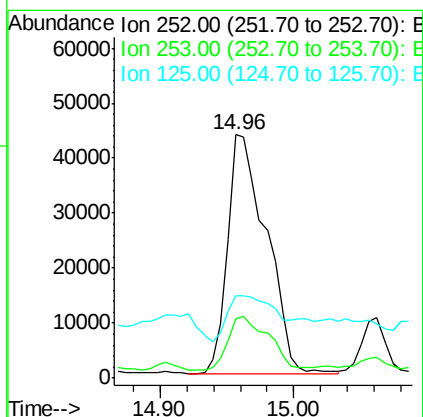
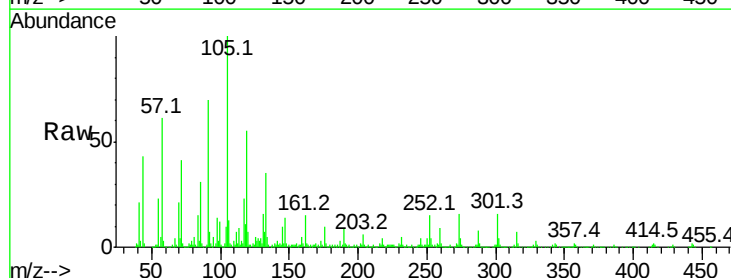
Instrument :
BNA_F
ClientSampleId :
156-275

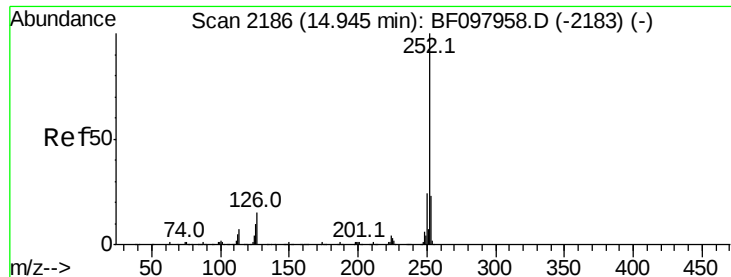
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 7.552 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.05 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	33.6	9.8	14.8

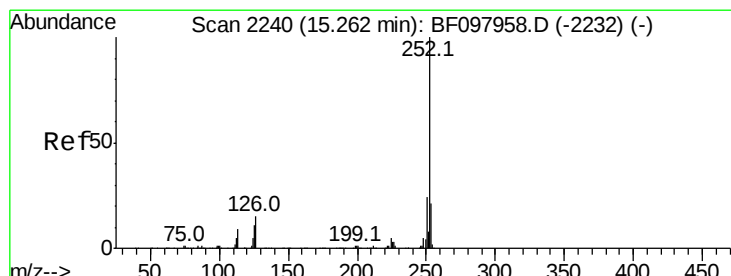
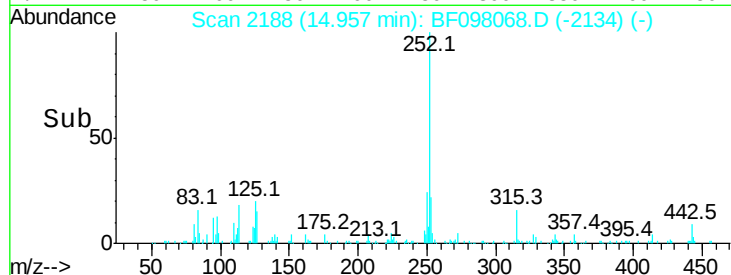
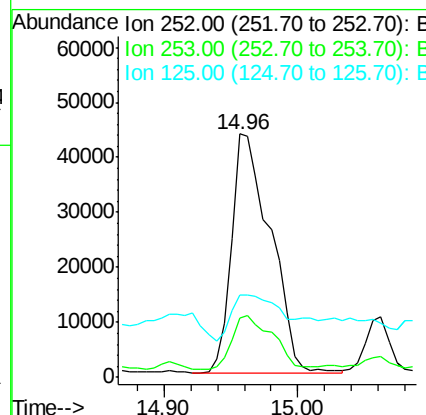
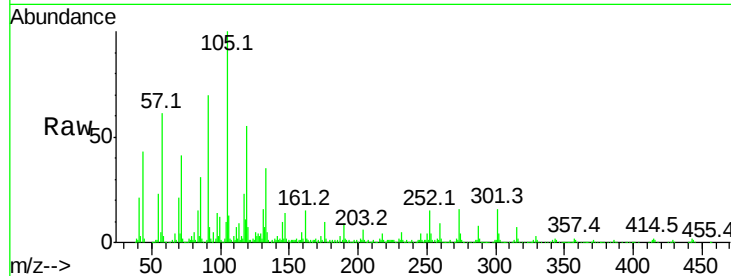




#88
Benzo(k)fluoranthene
Concen: 8.039 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.02 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

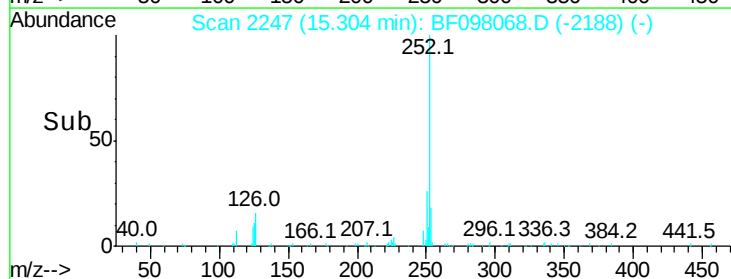
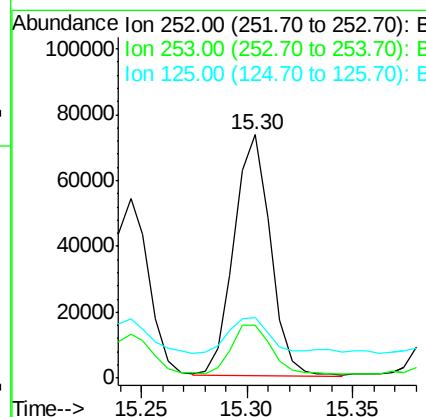
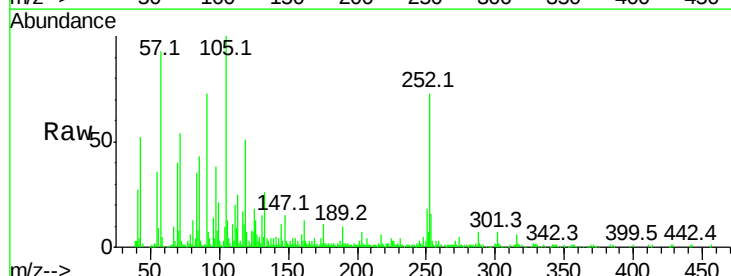
Instrument :
BNA_F
ClientSampled :
156-275

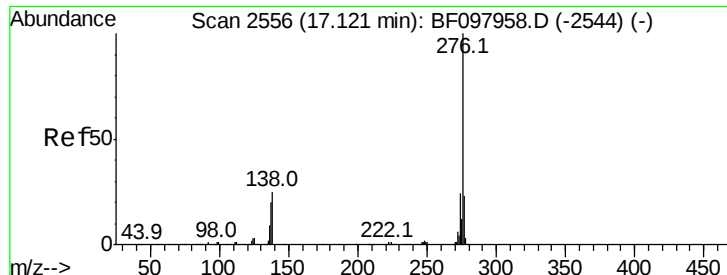
Tot Ion:252 Resp: 88330
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 33.6 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 8.470 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.05 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Tgt Ion:252 Resp: 87699
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 24.6 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 8.026 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.02 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampleId :

156-275

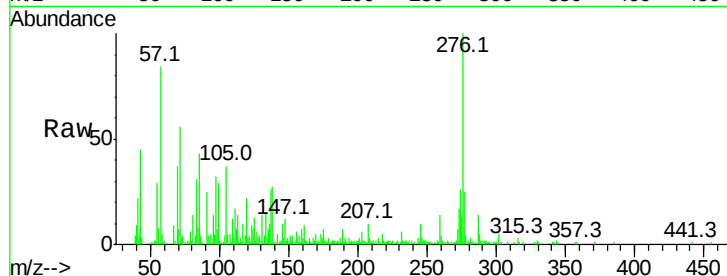
Tot Ion:276 Resp: 70594

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 26.9 25.4 38.0



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

