

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 08:22:43 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

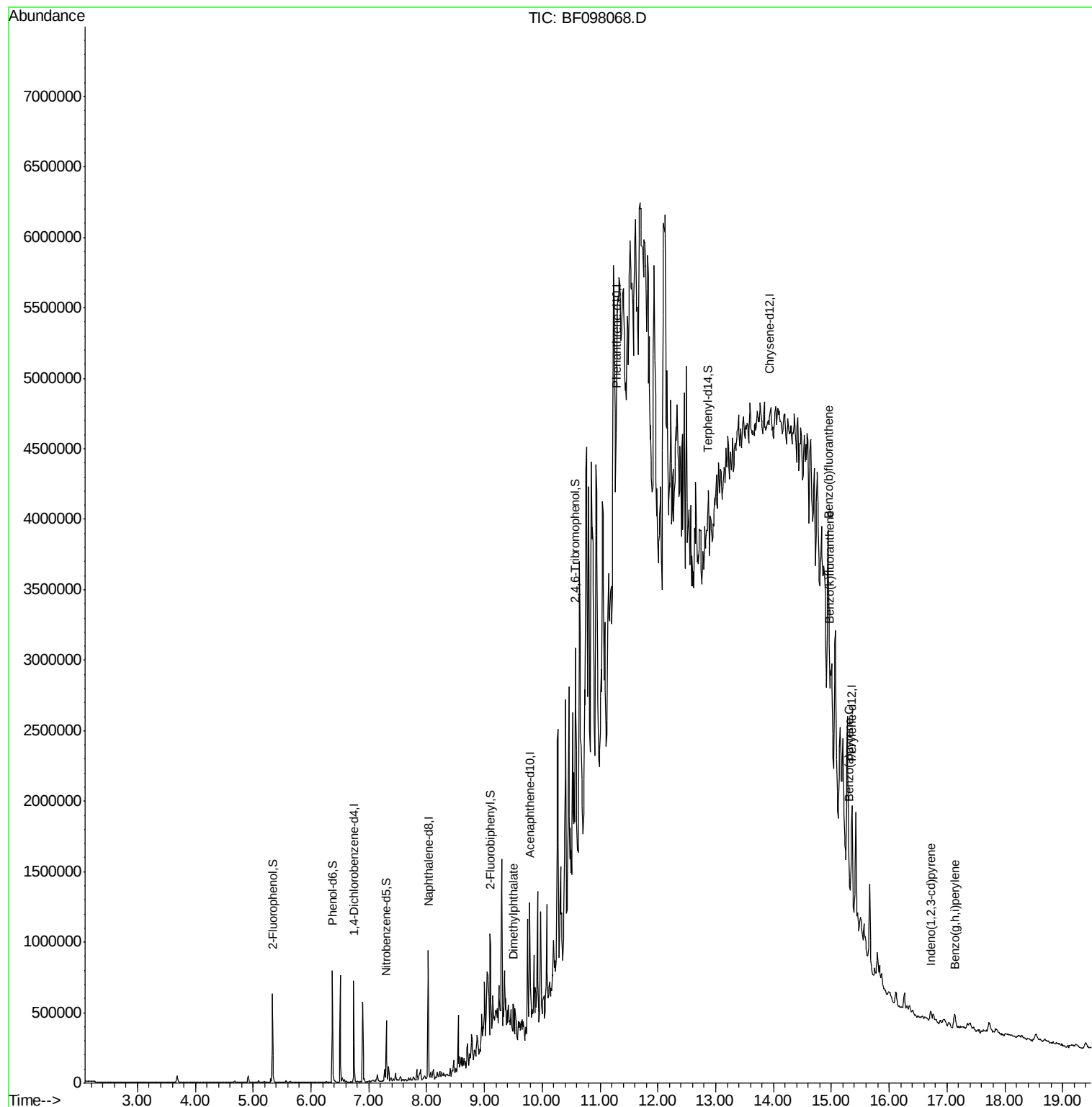
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	94947	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	374773	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	147393	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	197189	20.00	ng	0.01
75) Chrysene-d12	13.93	240	96130	20.00	ng	0.04
86) Perylene-d12	15.36	264	185550	20.00	ng	0.05
System Monitoring Compounds						
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						
49) Dimethylphthalate	9.49	163	24627	2.286	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	44627	10.585	ng	# 92
87) Benzo(b)fluoranthene	14.96	252	66761m	5.708	ng	
88) Benzo(k)fluoranthene	14.97	252	22004m	2.003	ng	
89) Benzo(a)pyrene	15.30	252	87699	8.470	ng	# 90
91) Benzo(g,h,i)perylene	17.13	276	70594	8.026	ng	93

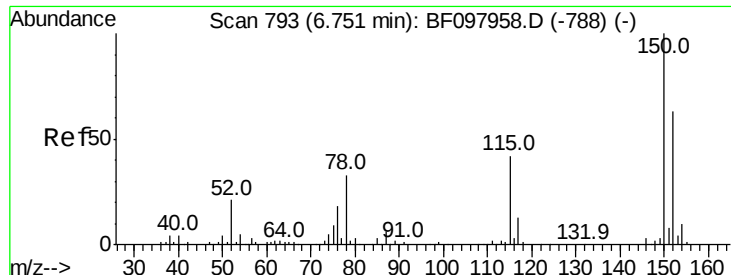
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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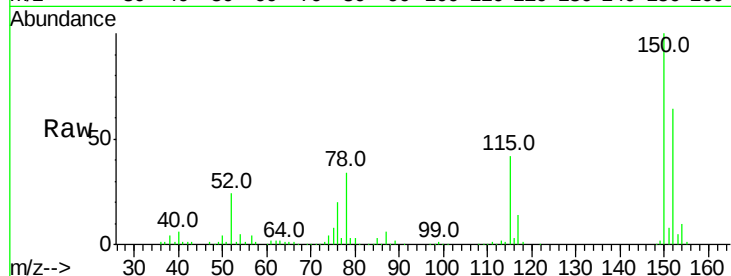


#1

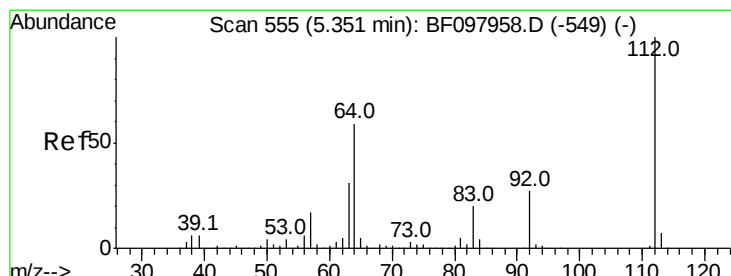
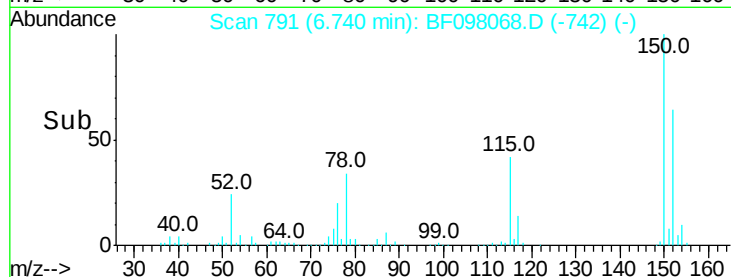
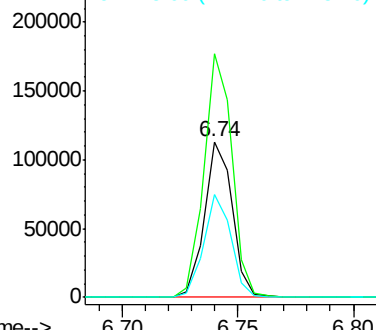
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Instrument :
BNA_F
ClientSampleId :
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



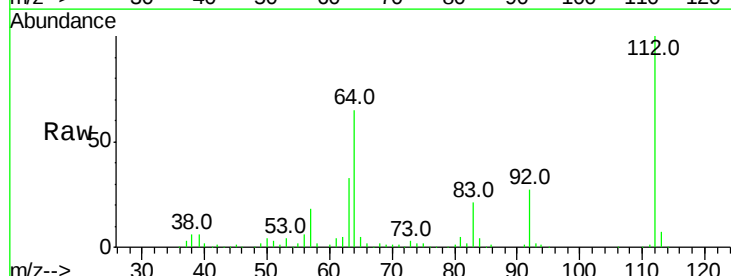
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



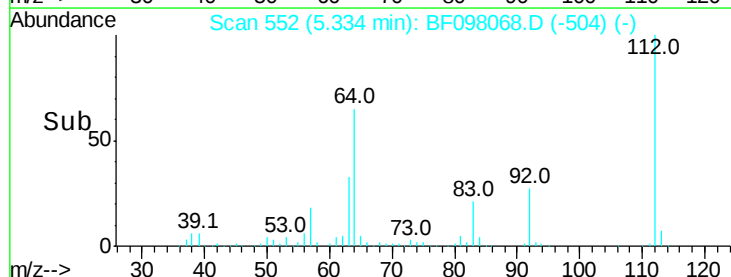
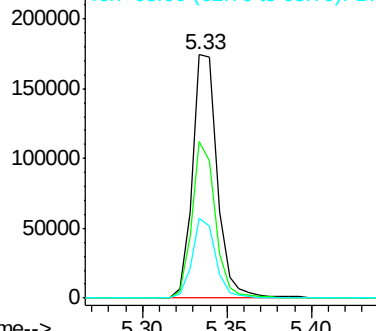
#5

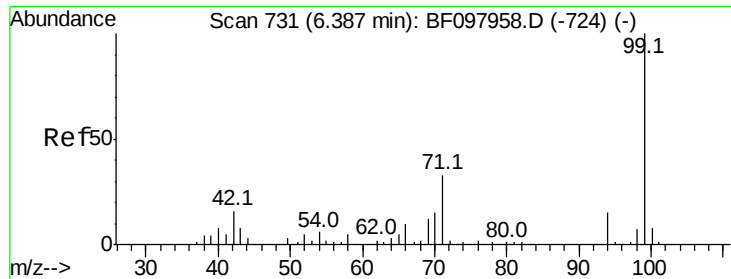
2-Fluorophenol
Concen: 28.775 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

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

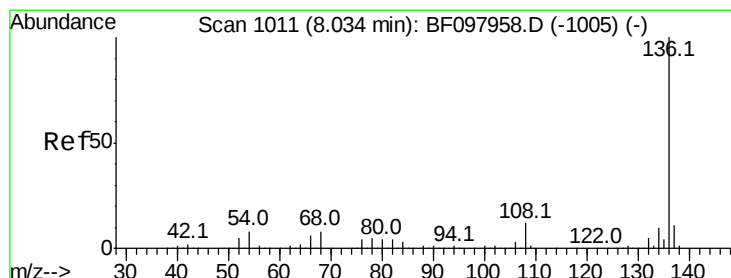
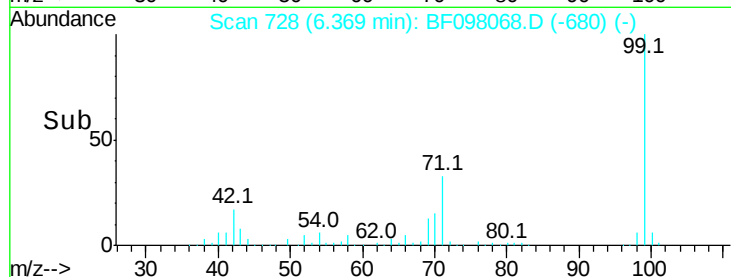
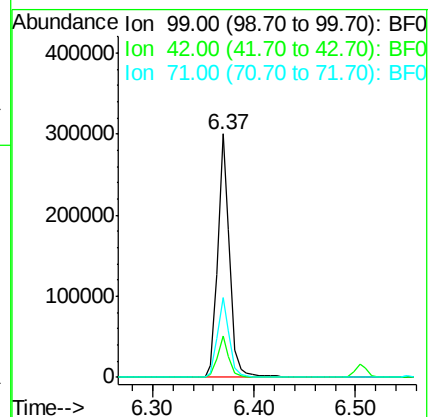
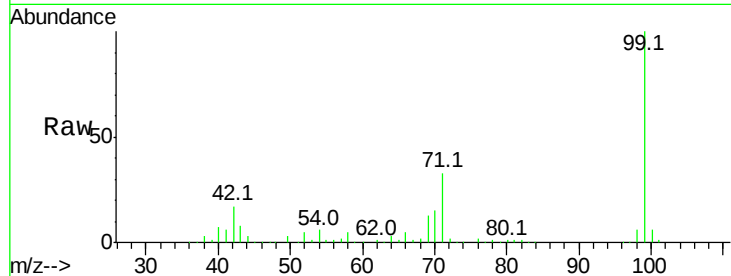
Tot Ion: 99 Resp: 244851

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

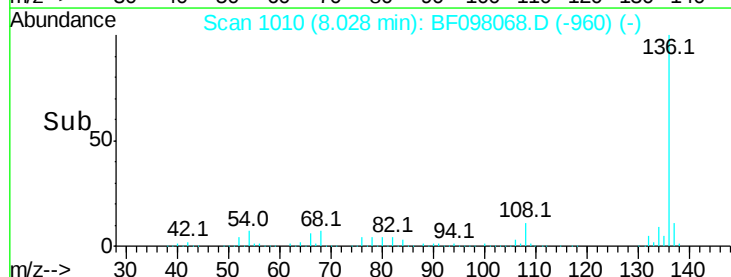
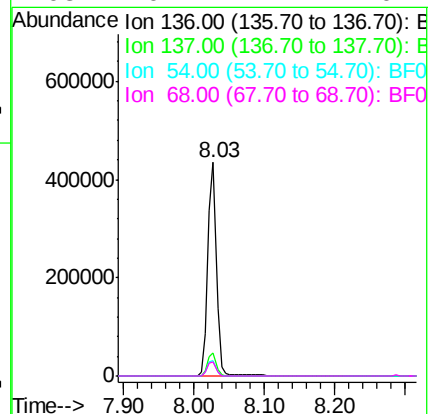
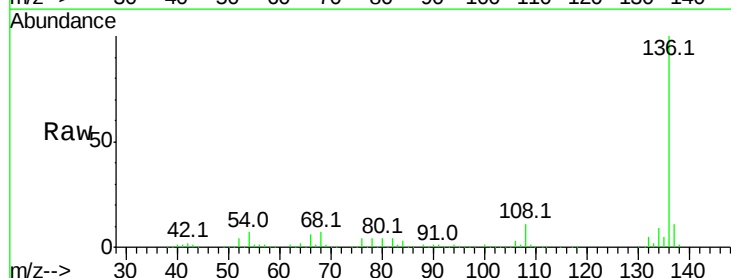
Ion Ratio Lower Upper

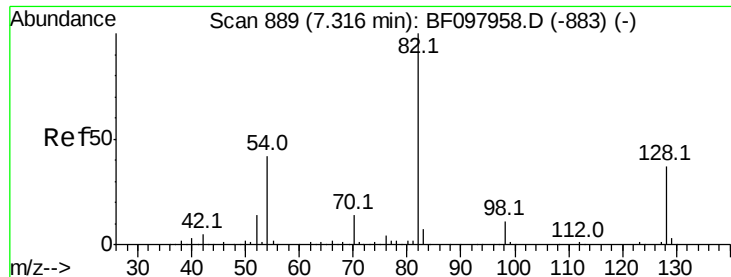
136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 6.7 4.1 6.1#

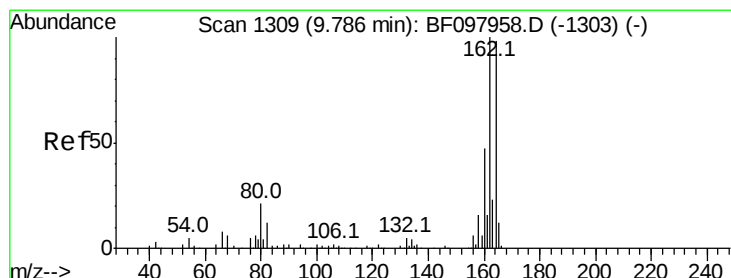
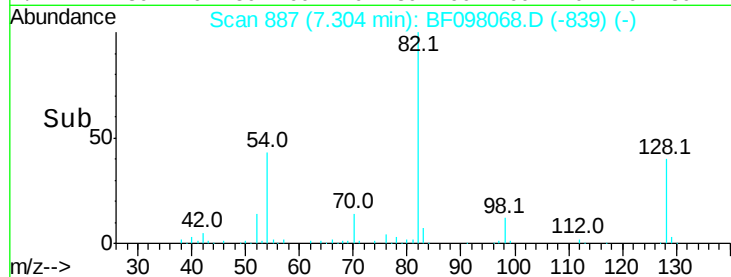
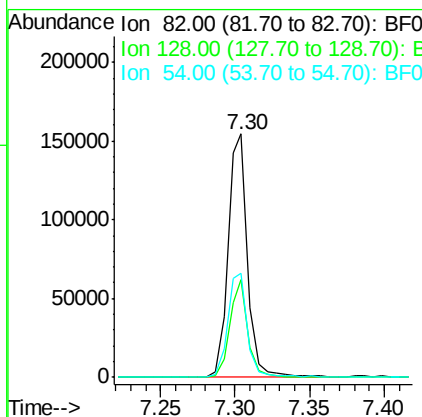
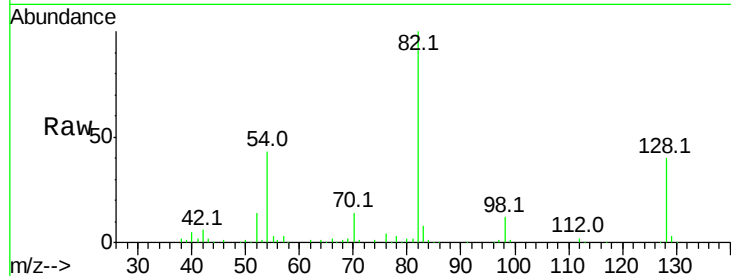




#23
 Nitrobenzene-d5
 Concen: 20.734 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098068.D
 Acq: 28 Aug 2017 14:58

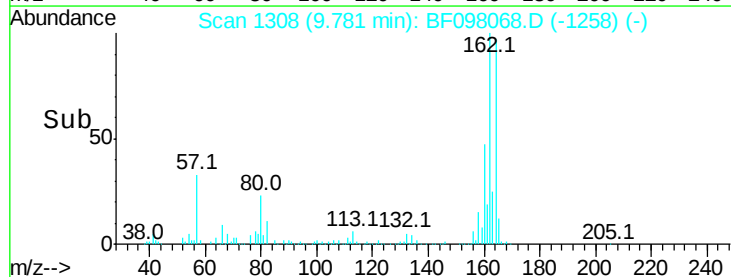
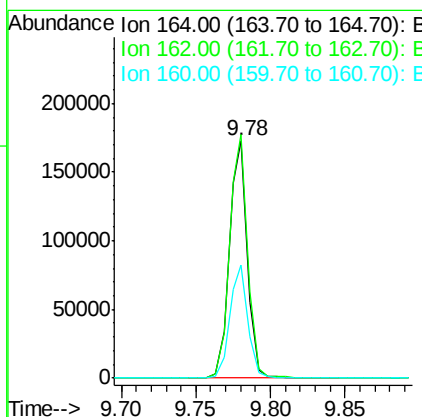
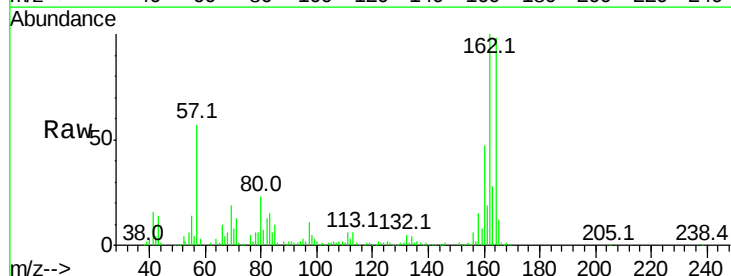
Instrument :
 BNA_F
 ClientSampleId :
 156-275

Tot Ion	82	Resp	143041
Ion Ratio	Lower	Upper	
82	100		
128	40.0	34.0	51.0
54	42.7	42.2	63.2



#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

Tgt Ion	164	Resp	147393
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.6	123.8
160	47.8	36.2	54.2

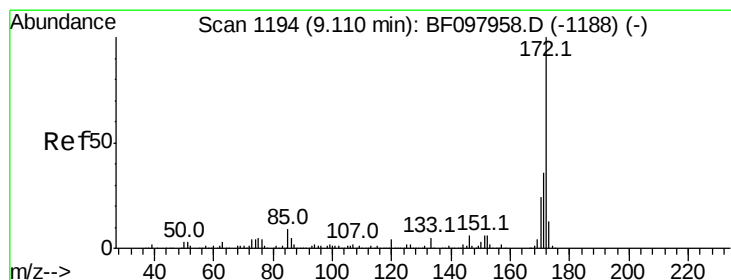
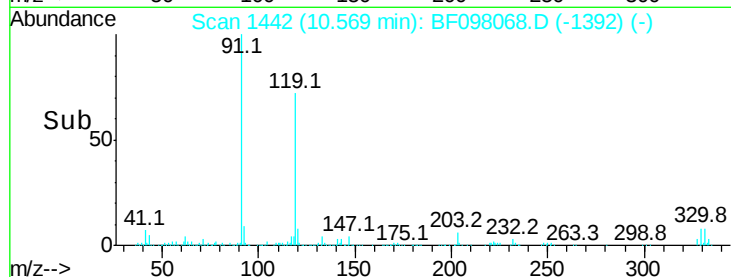
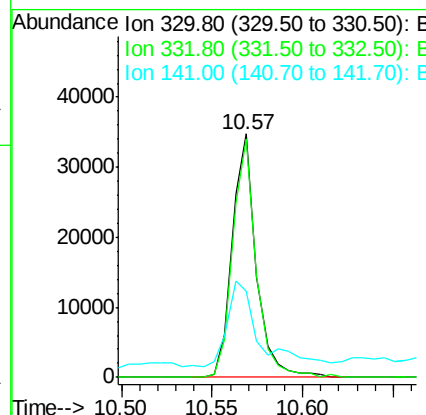
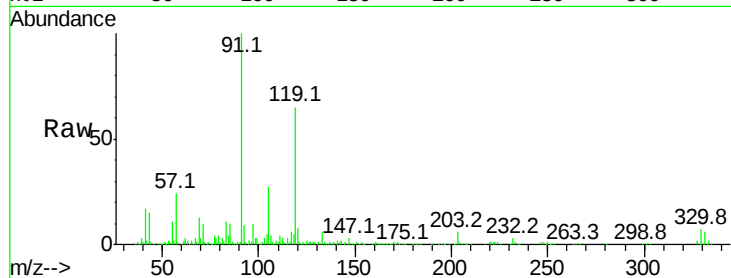




#41
 2,4,6-Tribromophenol
 Concen: 25.006 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF098068.D
 Acq: 28 Aug 2017 14:58

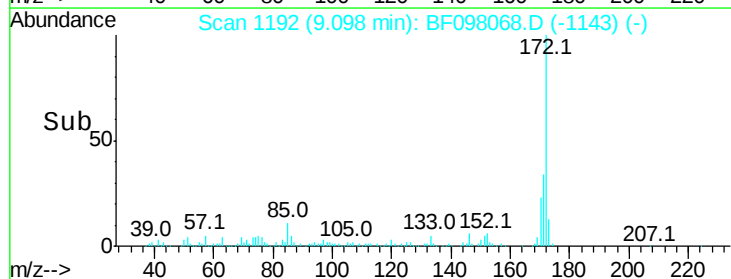
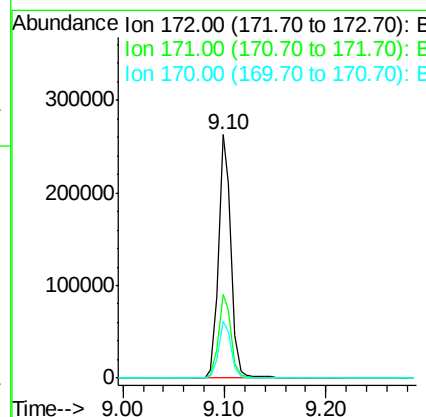
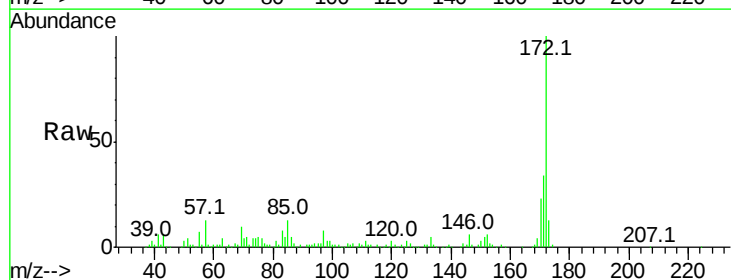
Instrument :
 BNA_F
 ClientSampleId :
 156-275

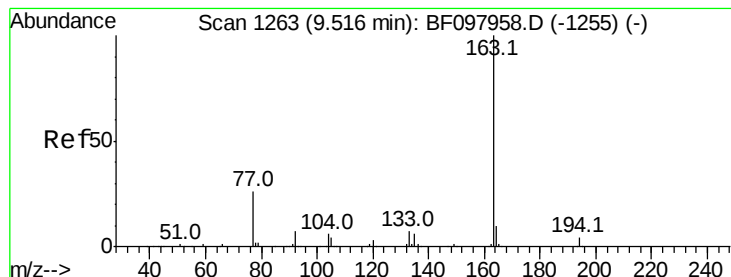
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	46.0	31.4	47.2



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

156-275

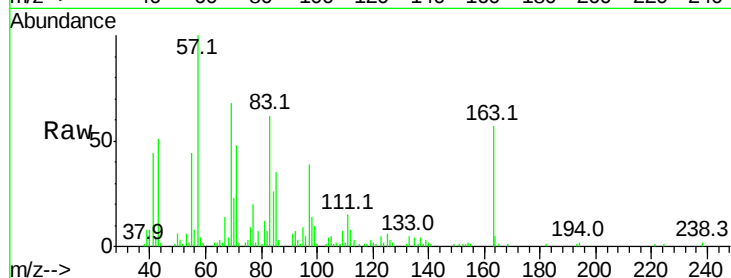
Tot Ion:163 Resp: 24627

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

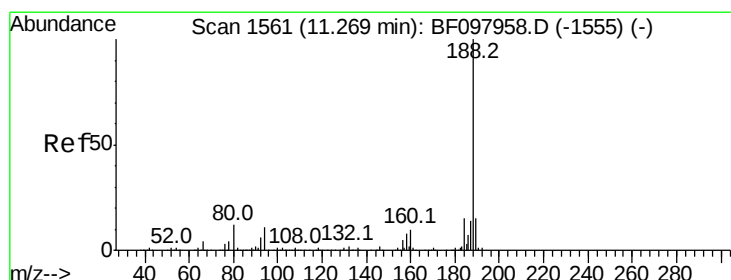
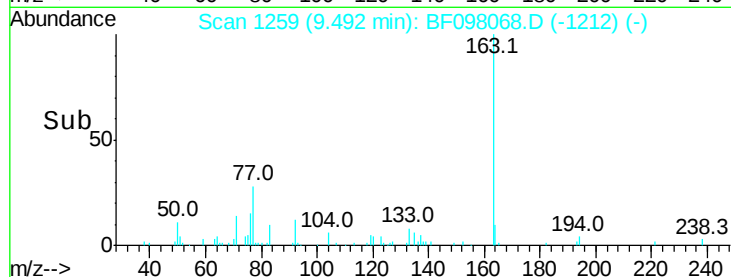
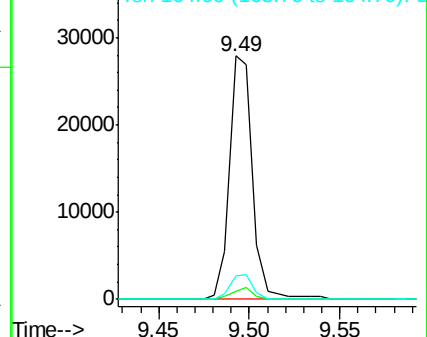
164 9.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#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

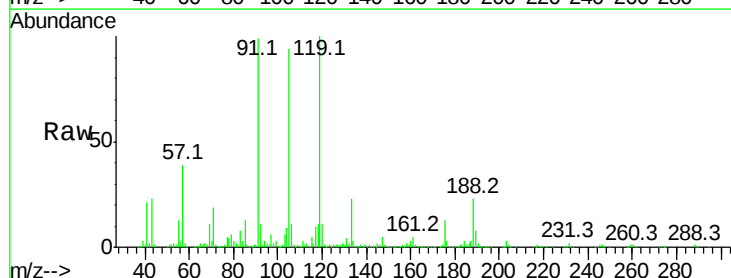
Tgt Ion:188 Resp: 197189

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

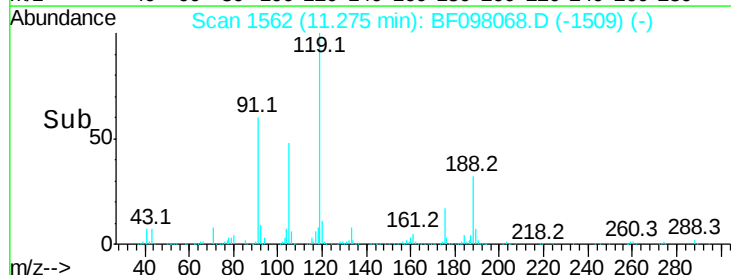
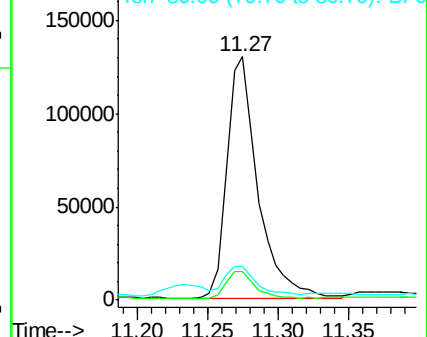
80 13.8 10.2 15.2

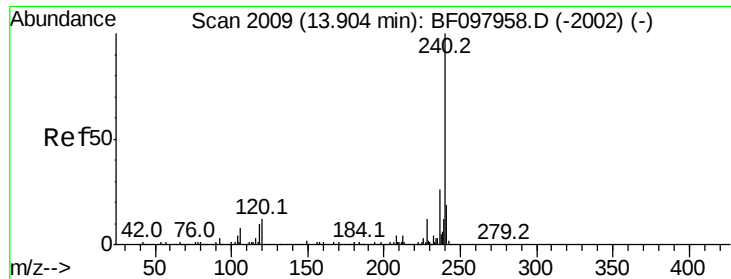


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#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

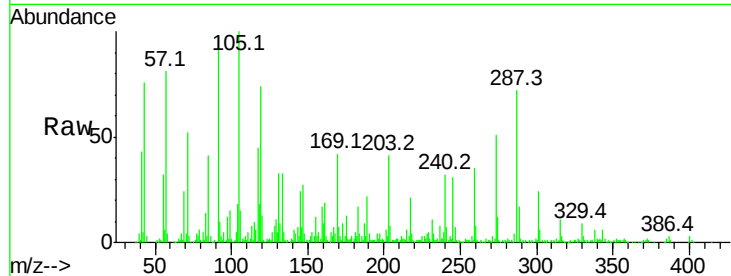
Tot Ion:240 Resp: 96130

Ion Ratio Lower Upper

240 100

120 38.7 5.8 8.8#

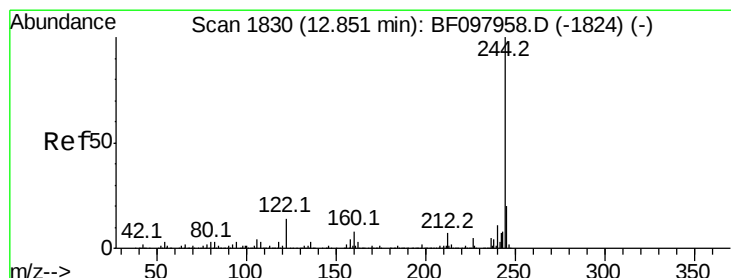
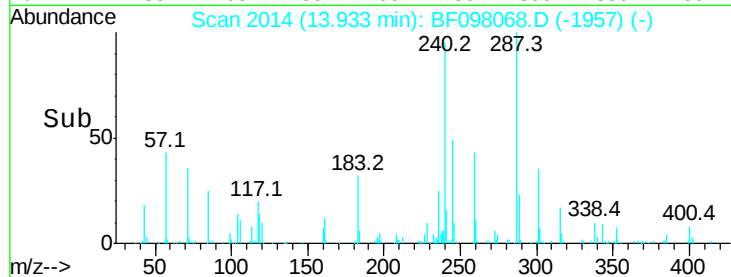
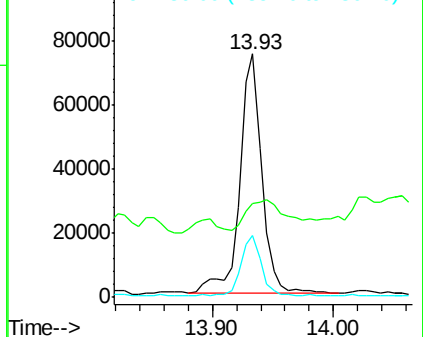
236 25.6 20.5 30.7



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



#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

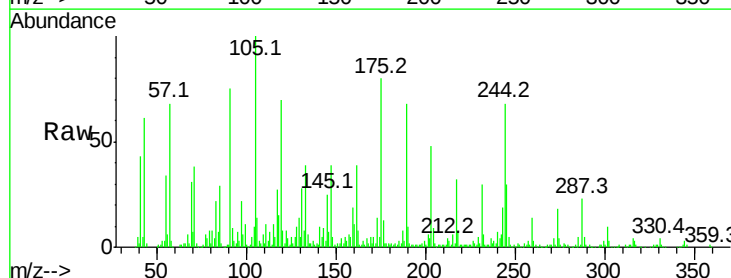
Tgt Ion:244 Resp: 120003

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

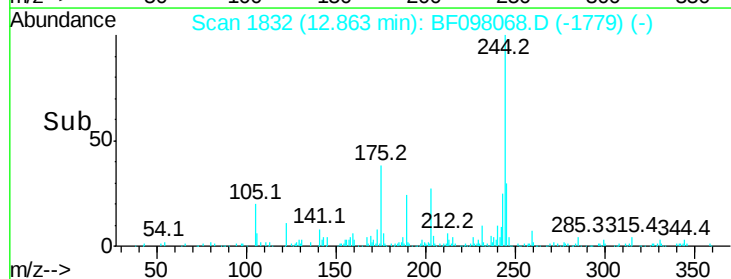
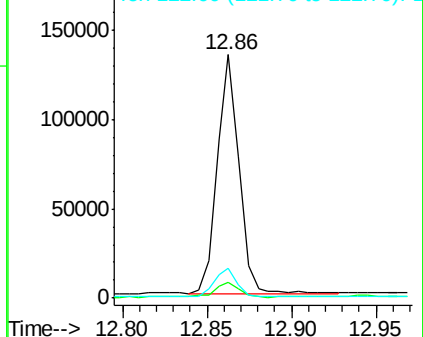
122 12.2 10.3 15.5

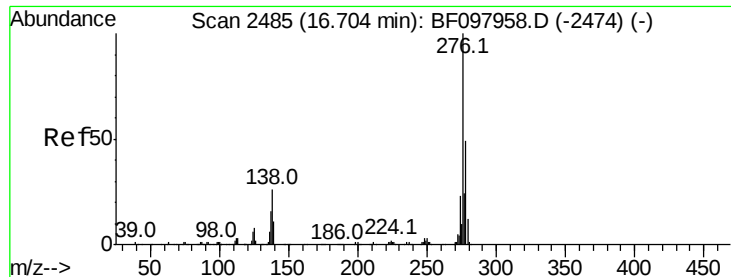


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

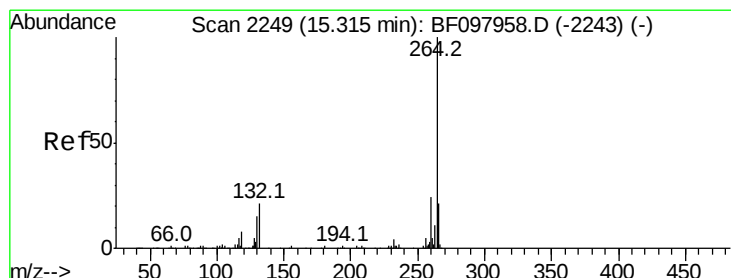
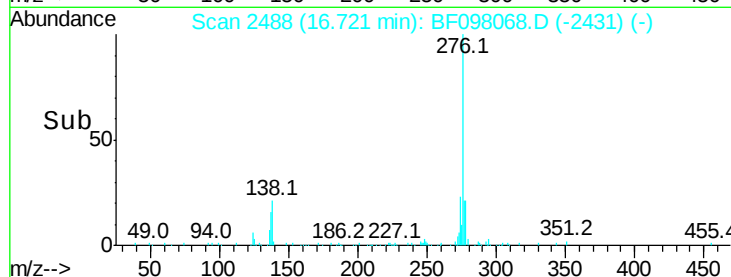
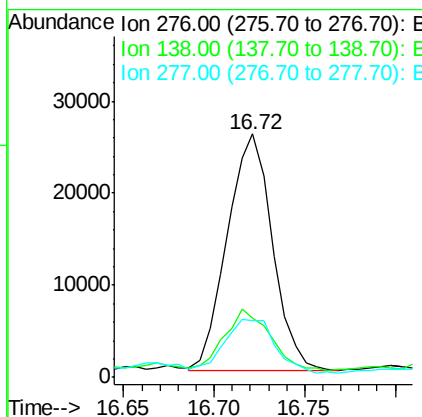
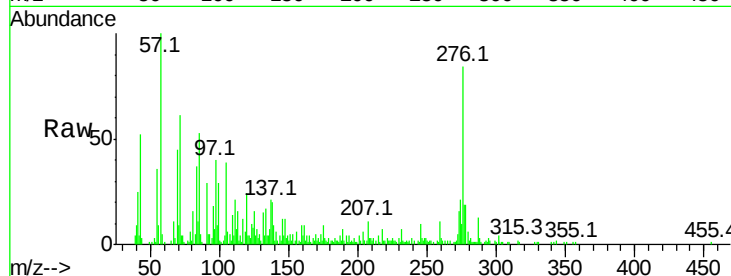




#85
Indeno(1,2,3-cd)pyrene
Concen: 10.585 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.04 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

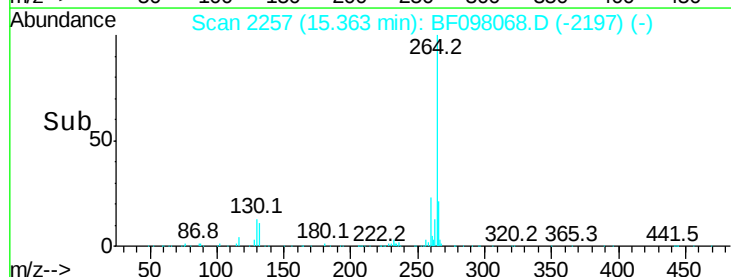
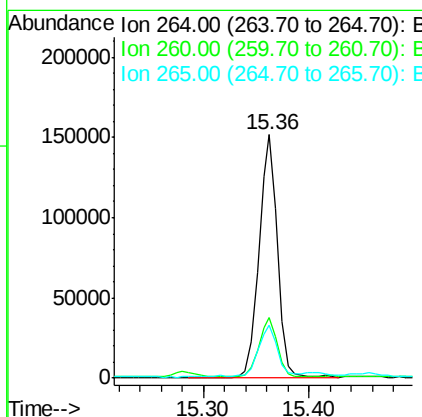
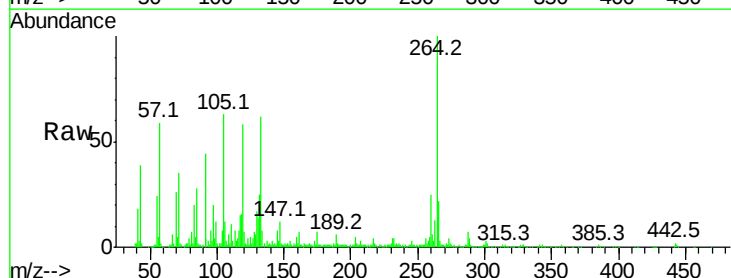
Instrument :
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156-275

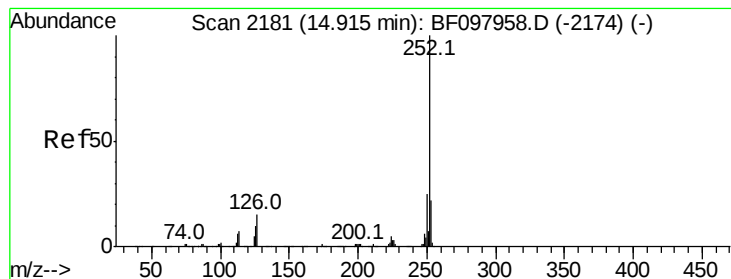
Tot Ion:276 Resp: 44627
Ion Ratio Lower Upper
276 100
138 26.7 27.8 41.6#
277 25.3 20.2 30.4



#86
Perylene-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

Tgt Ion:264 Resp: 185550
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: 5.708 ng m

RT: 14.96 min Scan# 2188

Delta R.T. 0.05 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

Instrument :

BNA_F

ClientSampled :

156-275

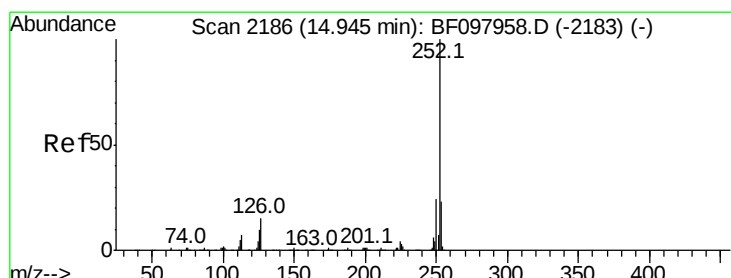
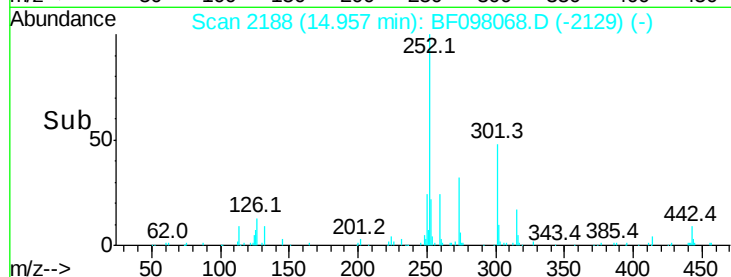
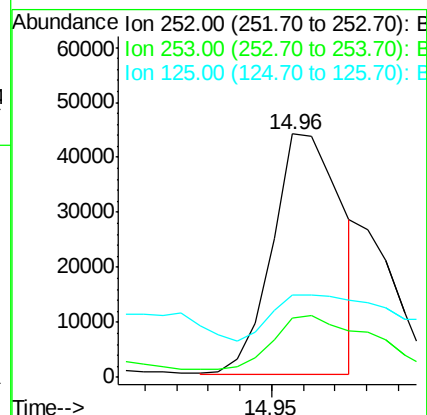
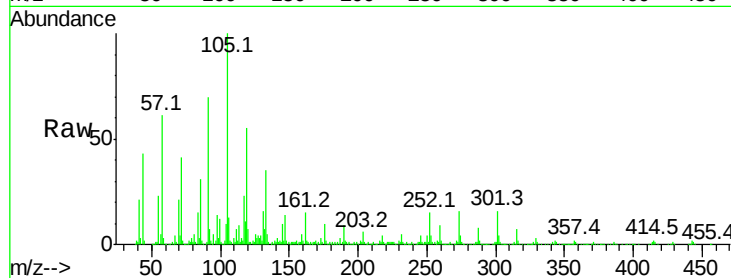
Tot Ion:252 Resp: 66761

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: 2.003 ng m

RT: 14.97 min Scan# 2191

Delta R.T. 0.04 min

Lab File: BF098068.D

Acq: 28 Aug 2017 14:58

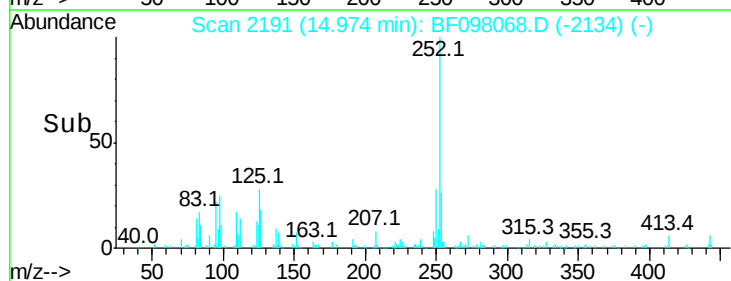
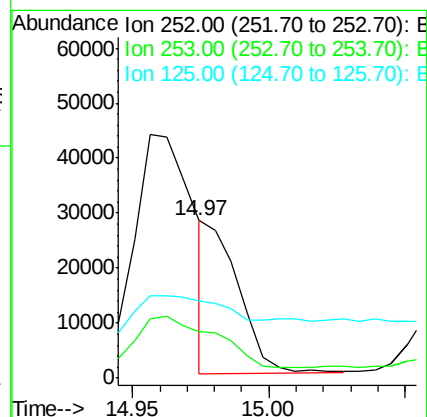
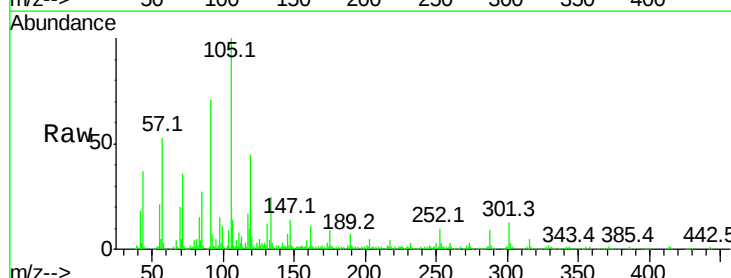
Tgt Ion:252 Resp: 22004

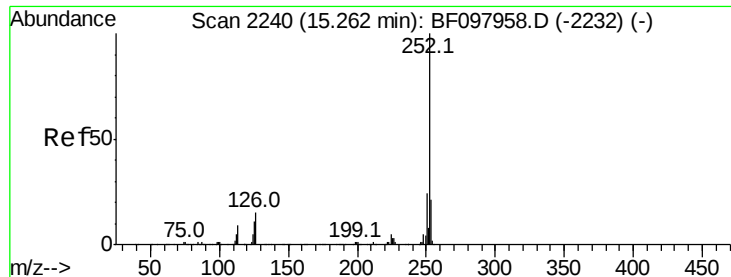
Ion Ratio Lower Upper

252 100

253 29.5 18.4 27.6#

125 49.0 13.1 19.7#

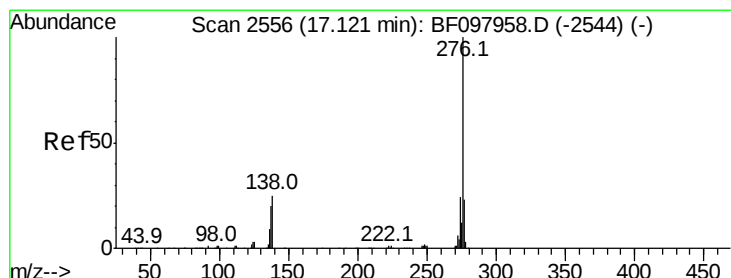
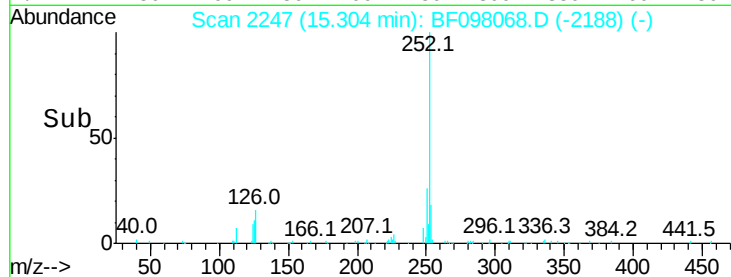
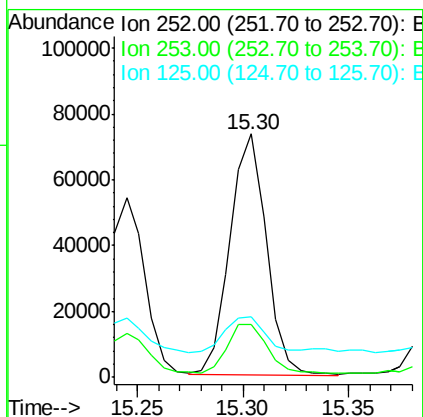
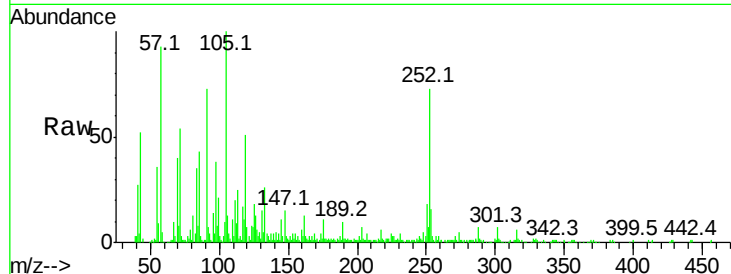




#89
Benzo(a)pyrene
Concen: 8.470 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.05 min
Lab File: BF098068.D
Acq: 28 Aug 2017 14:58

Instrument :
BNA_F
ClientSampleId :
156-275

Tot 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(g,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

Tgt Ion:276 Resp: 70594
Ion Ratio Lower Upper
276 100
277 25.3 18.6 28.0
138 26.9 25.4 38.0

