

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102439.D
 Acq On : 25 Jan 2018 22:25
 Operator : SJ/JU
 Sample : J1256-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 00:24:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

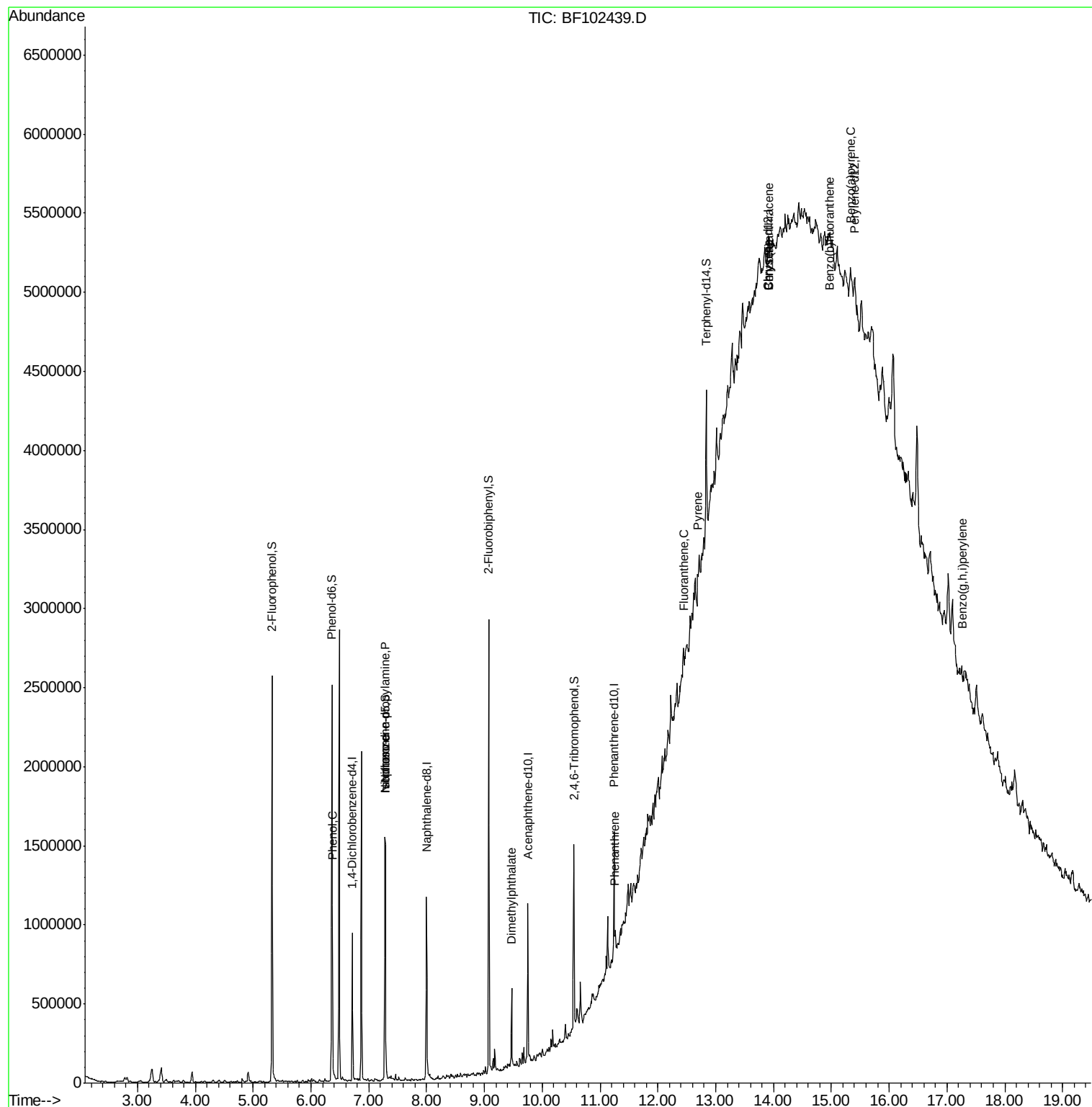
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	127738	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	500433	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	192478	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	267121	20.00	ng	0.00
75) Chrysene-d12	13.92	240	121296	20.00	ng	0.04
86) Perylene-d12	15.40	264	95871	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	746934	88.66	ng	0.00
7) Phenol-d6	6.36	99	894466	88.07	ng	0.00
23) Nitrobenzene-d5	7.28	82	540377	62.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	141665	74.28	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	891069	68.07	ng	0.00
78) Terphenyl-d14	12.84	244	492740	91.58	ng	0.01
Target Compounds						
10) Phenol	6.37	94	47403	4.275	ng	99
19) n-Nitroso-di-n-propylamine	7.28	70	70655	11.368	ng	# 80
25) Isophorone	7.28	82	539361	34.742	ng	# 64
49) Dimethylphthalate	9.47	163	163446	10.273	ng	99
70) Phenanthrene	11.26	178	53946	3.466	ng	96
74) Fluoranthene	12.46	202	53899	3.396	ng	85
77) Pyrene	12.69	202	53805	5.737	ng	# 87
80) Benzo(a)anthracene	13.93	228	61660	8.257	ng	# 33
82) Chrysene	13.93	228	61660	8.131	ng	# 40
87) Benzo(b)fluoranthene	14.97	252	28489	4.585	ng	# 1
89) Benzo(a)pyrene	15.34	252	13212	2.358	ng	# 1
91) Benzo(a,h,i)perylene	17.27	276	12382	2.762	ng	# 1

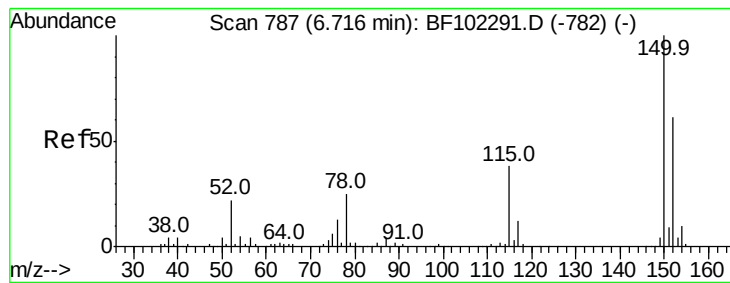
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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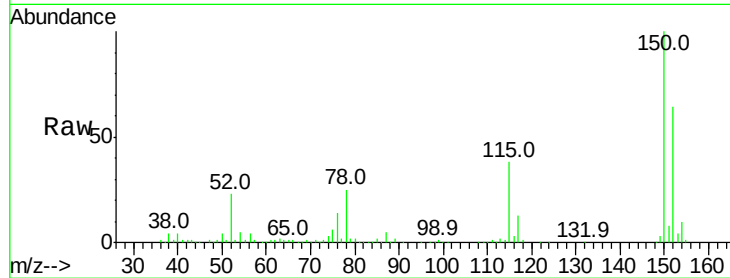


#1

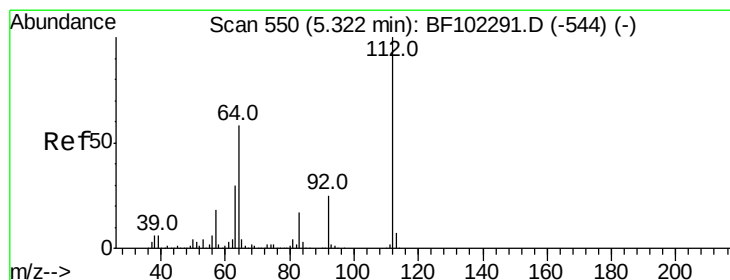
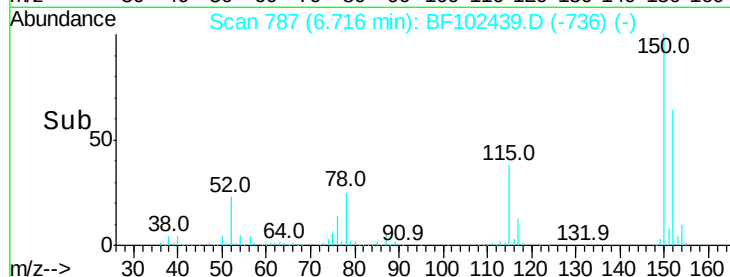
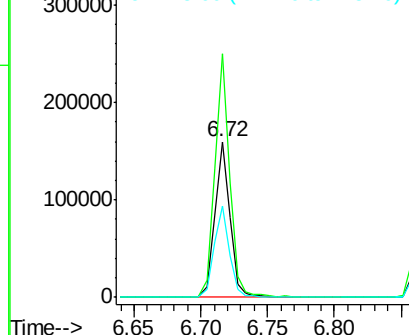
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127738
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 59.0 50.1 75.1



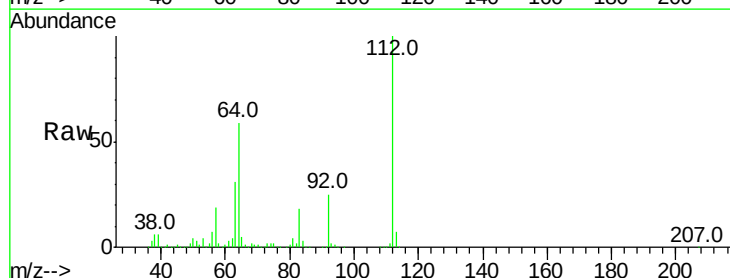
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



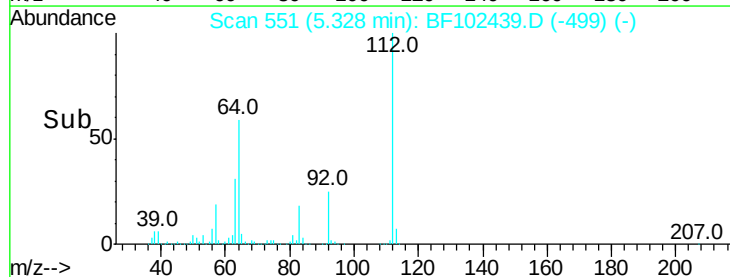
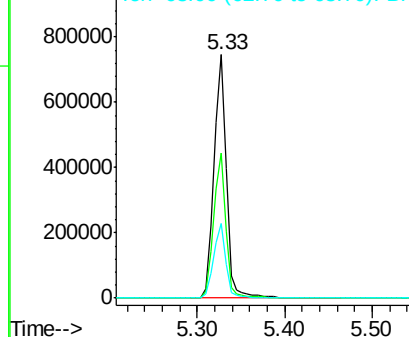
#5

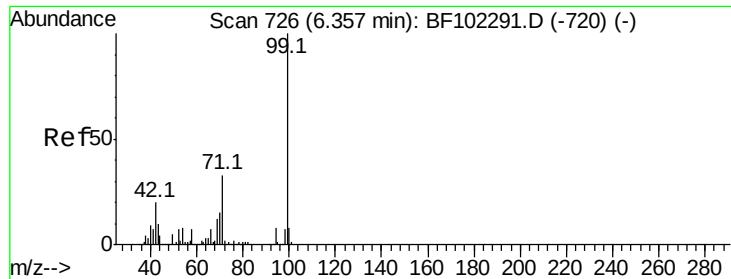
2-Fluorophenol
Concen: 88.662 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Tgt Ion:112 Resp: 746934
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.068 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

Instrument :

BNA_F

ClientSampled :

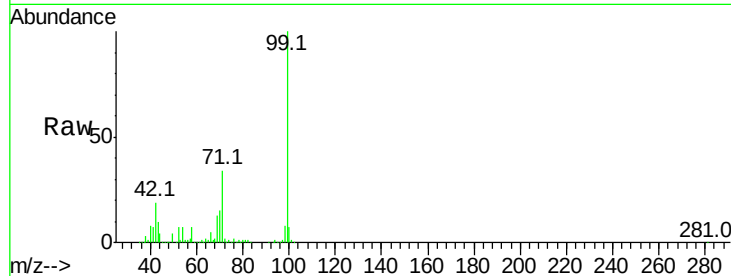
Tot Ion: 99 Resp: 894466

Ion Ratio Lower Upper

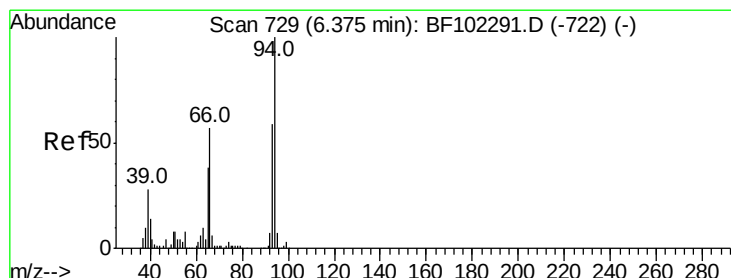
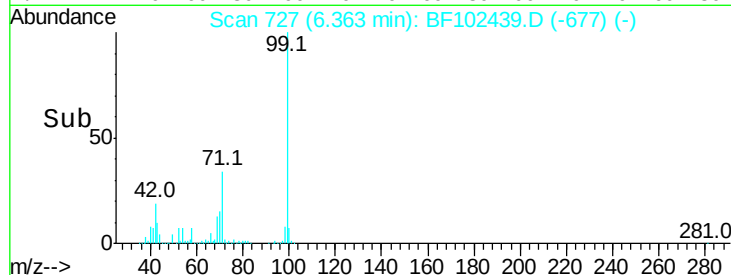
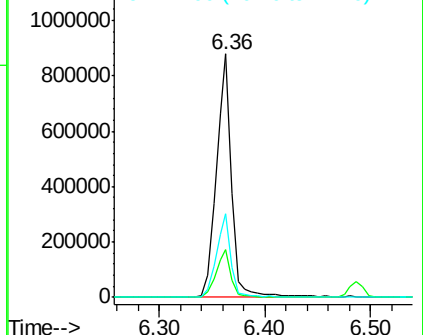
99 100

42 19.5 14.5 21.7

71 34.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.275 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

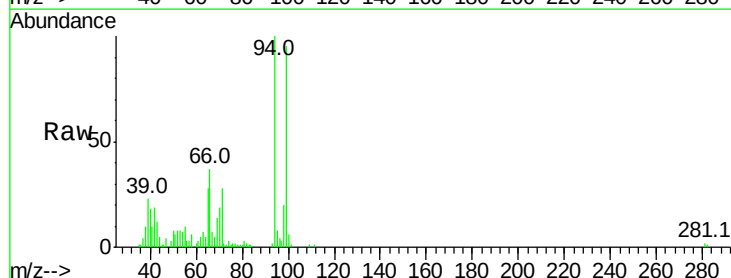
Tgt Ion: 94 Resp: 47403

Ion Ratio Lower Upper

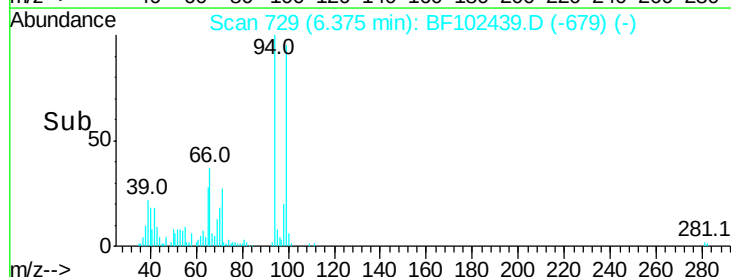
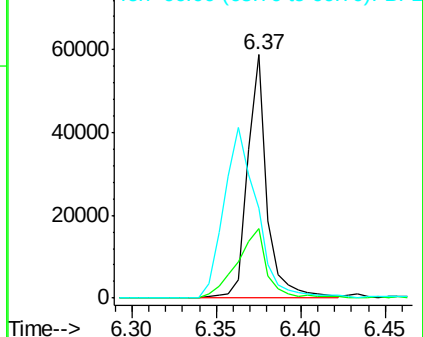
94 100

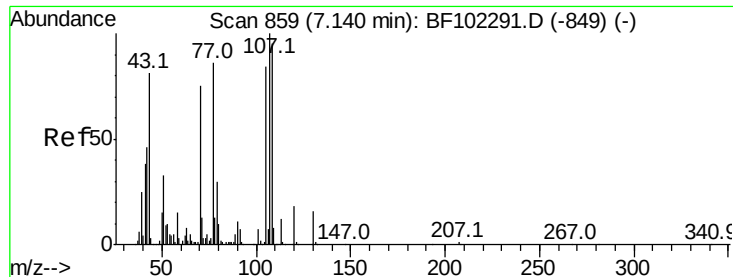
65 28.4 7.9 47.9

66 37.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

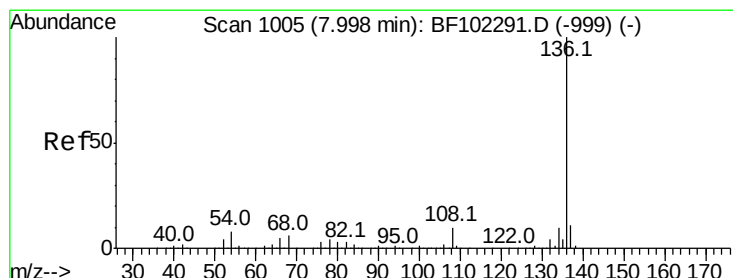
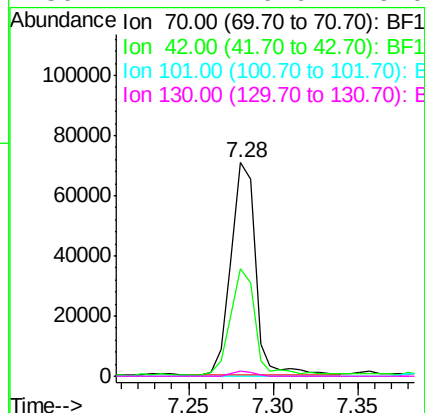
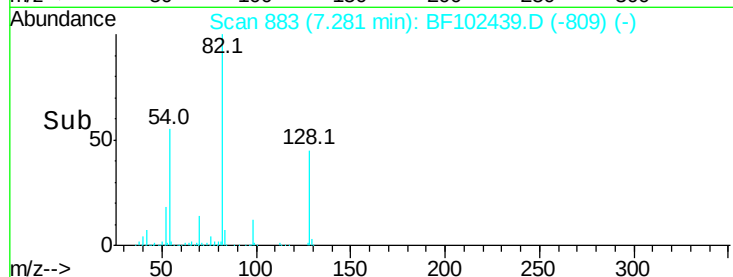
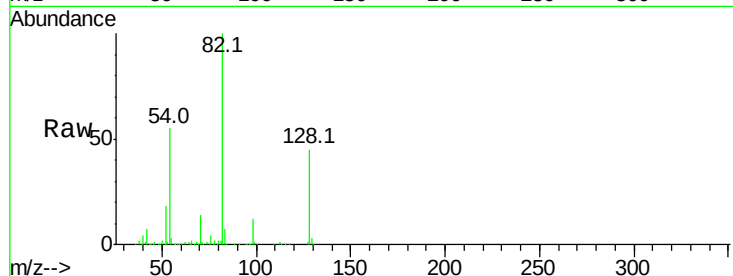




#19
n-Nitroso-di-n-propylamine
Concen: 11.368 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

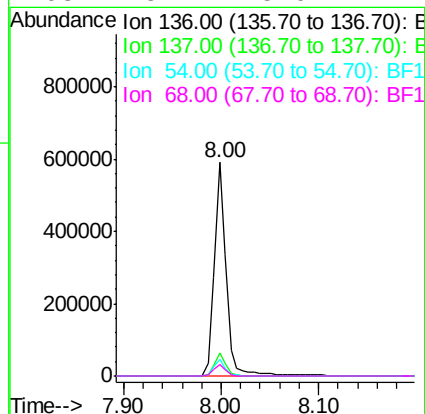
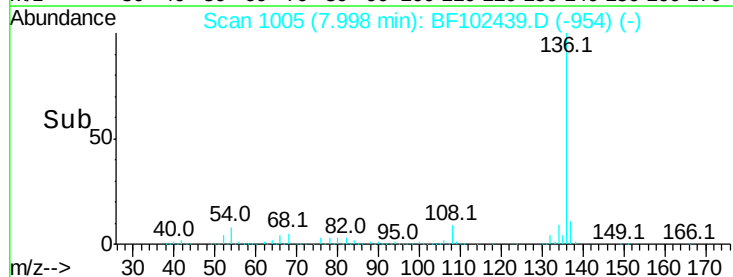
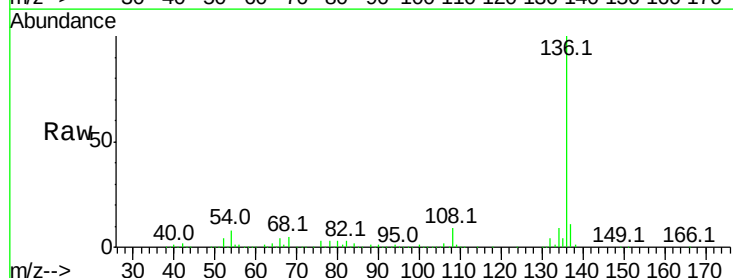
Instrument :
BNA_F
ClientSampleId :

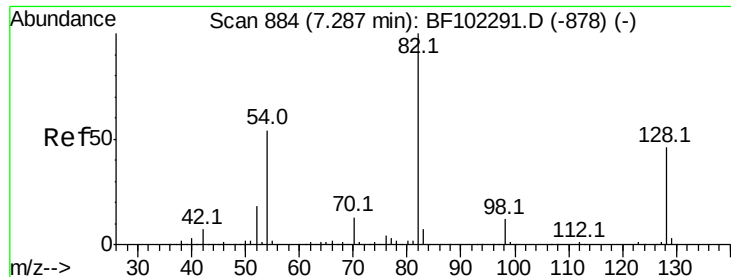
Tot Ion: 70 Resp: 70655
Ion Ratio Lower Upper
70 100
42 50.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Tgt Ion:136 Resp: 500433
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.0 6.6 9.8
68 5.4 5.0 7.4

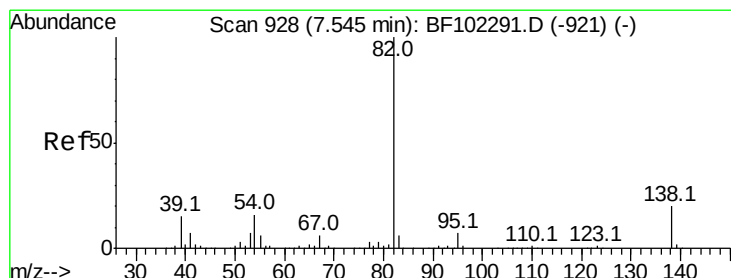
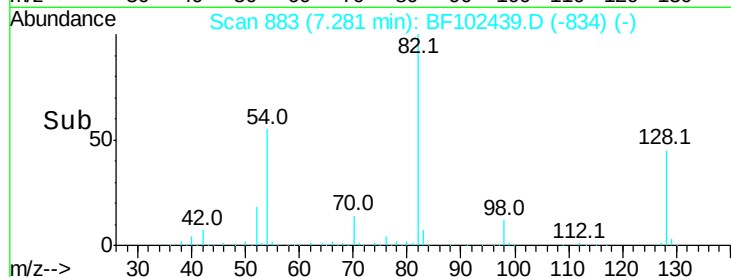
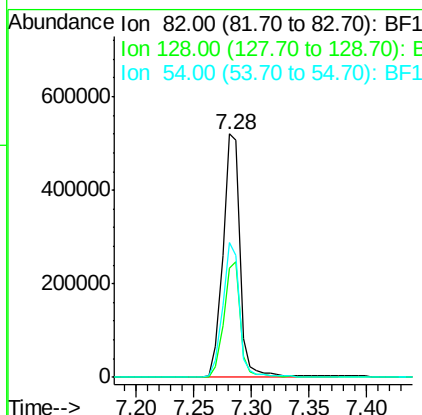
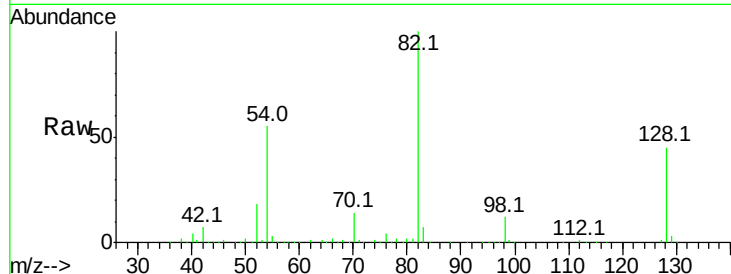




#23
 Nitrobenzene-d5
 Concen: 62.054 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102439.D
 Acq: 25 Jan 2018 22:25

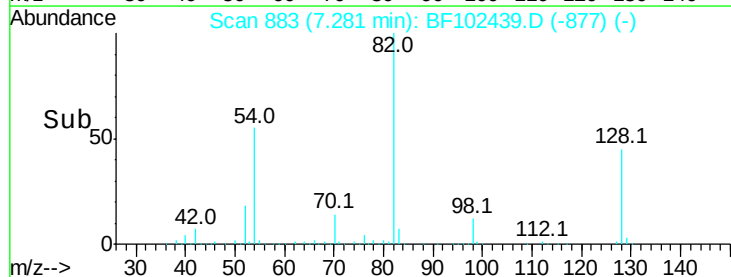
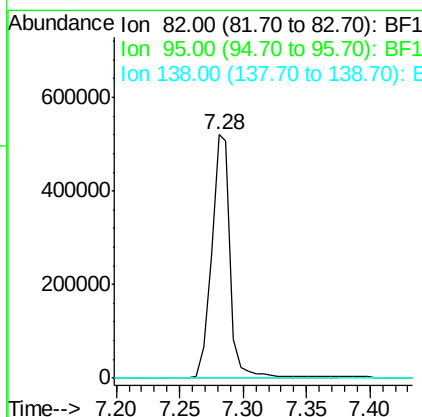
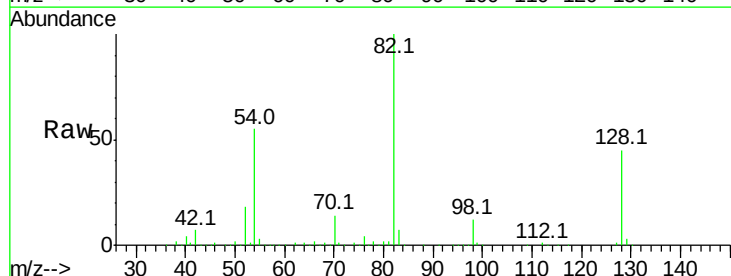
Instrument :
 BNA_F
 ClientSampled :

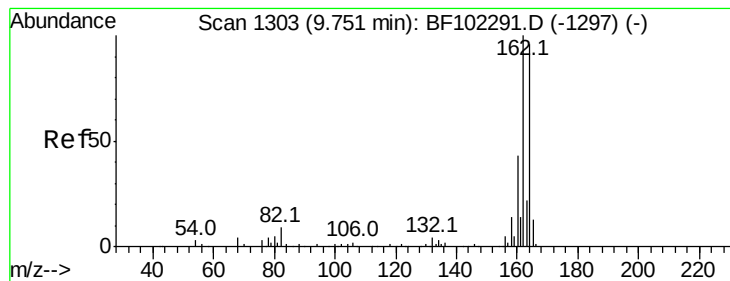
Tot Ion	82	Resp	540377
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	55.3	41.4	62.2



#25
 Isophorone
 Concen: 34.742 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102439.D
 Acq: 25 Jan 2018 22:25

Tgt Ion	82	Resp	539361
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

Instrument :

BNA_F

ClientSampleId :

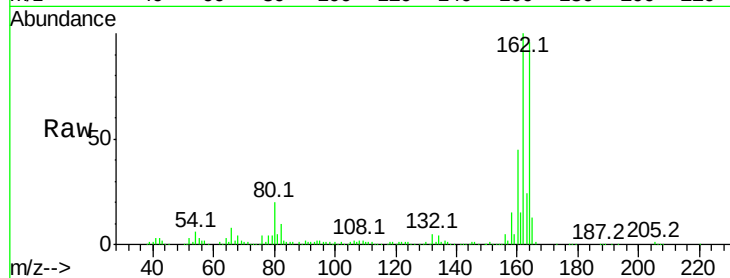
Tot Ion:164 Resp: 192478

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

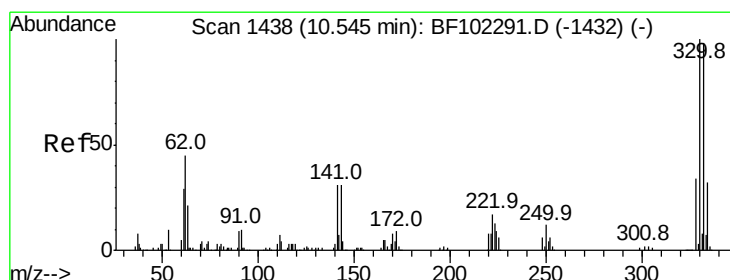
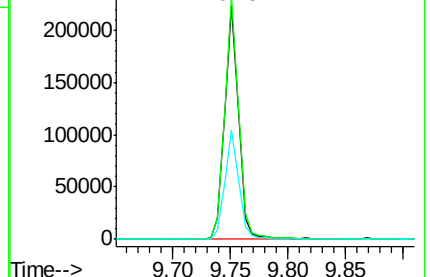
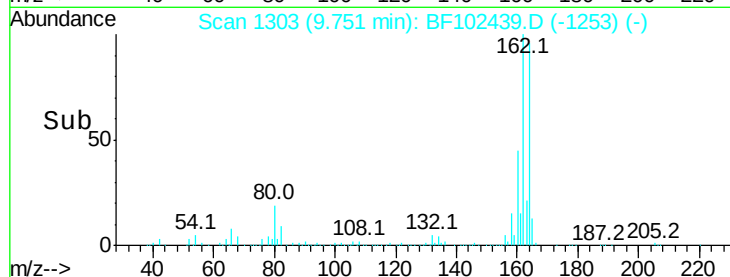
160 46.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 74.280 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

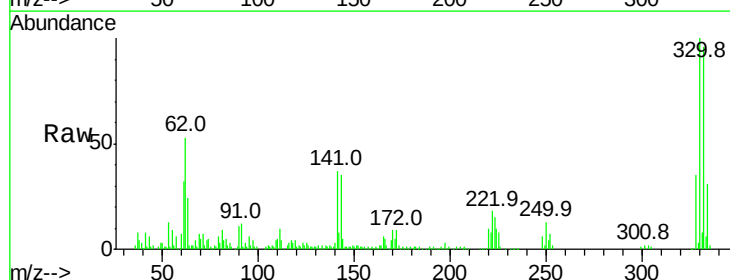
Tgt Ion:330 Resp: 141665

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

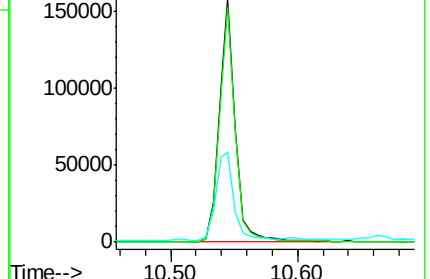
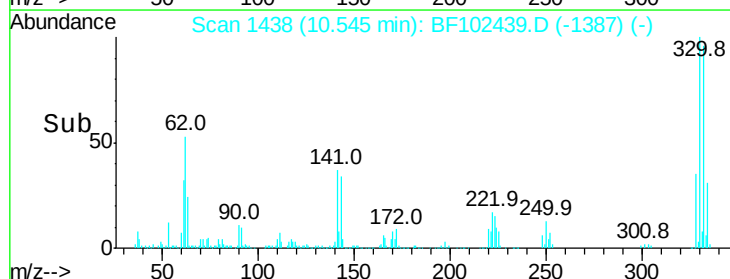
141 41.0 29.9 44.9

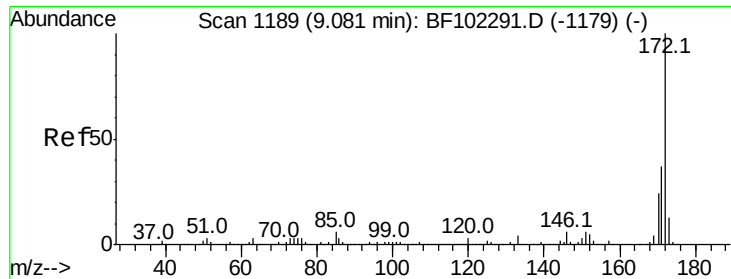


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

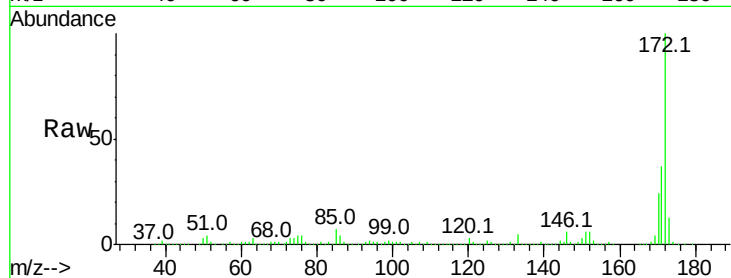




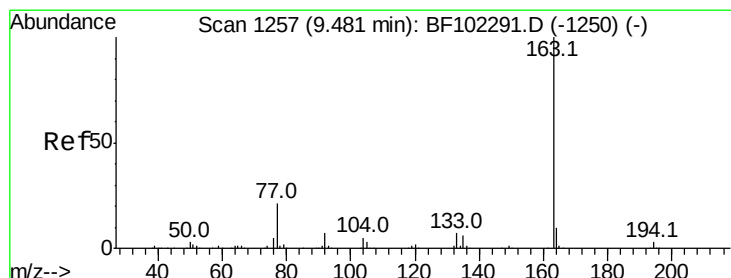
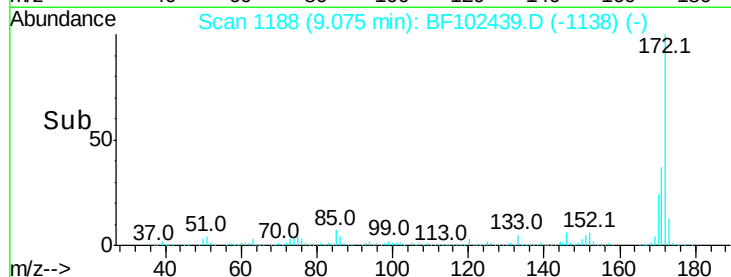
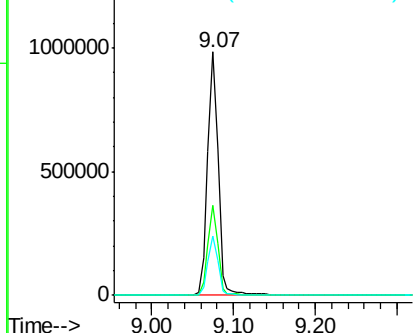
#44
2-Fluorobiphenyl
Concen: 68.069 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 891069
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.1 19.6 29.4

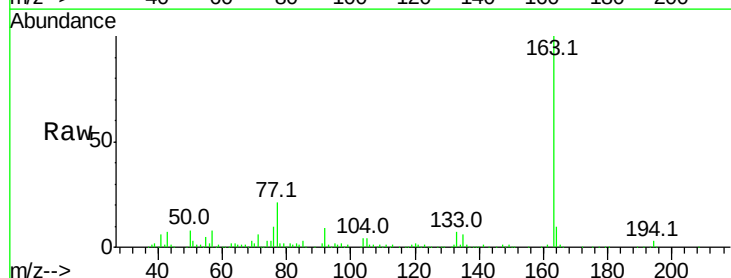


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

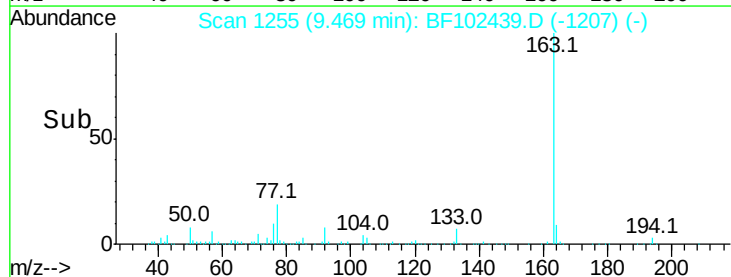
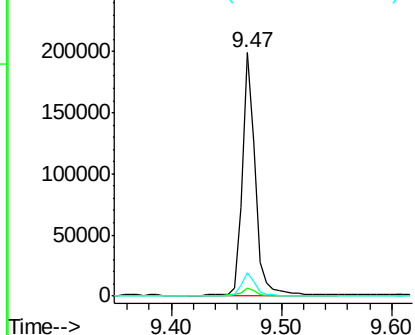


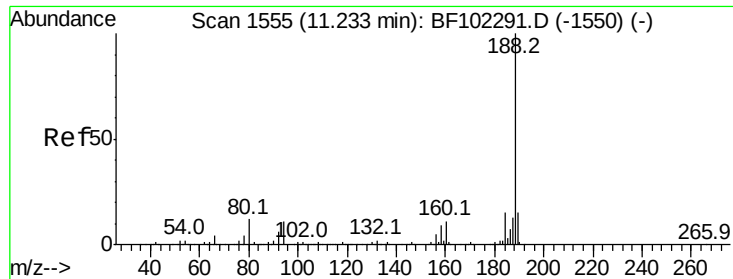
#49
Dimethylphthalate
Concen: 10.273 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Tgt Ion:163 Resp: 163446
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2



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

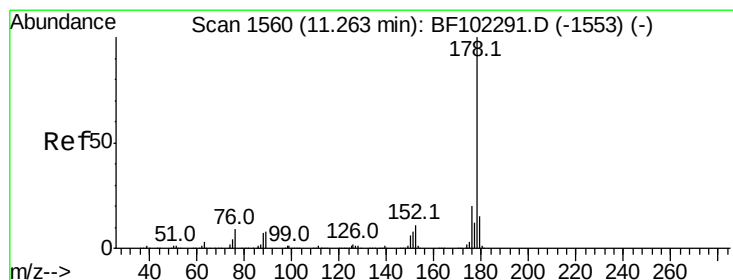
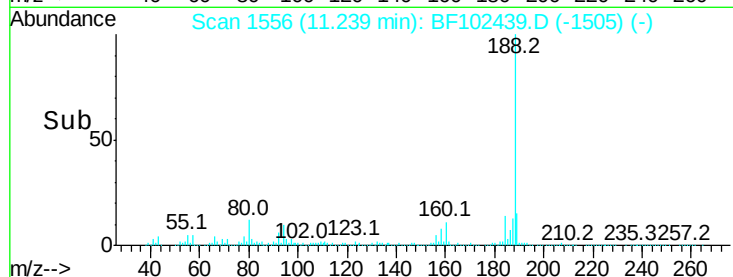
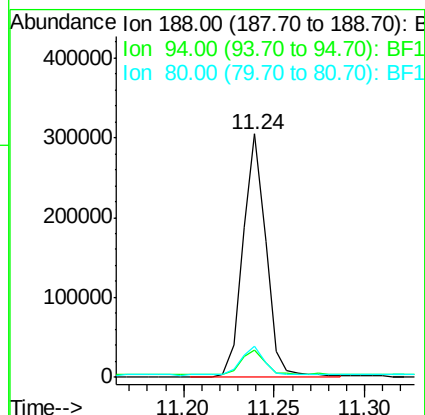
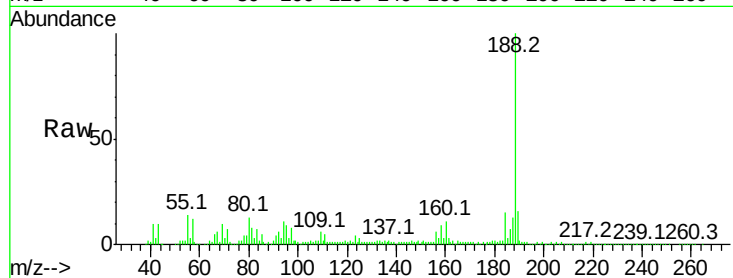




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

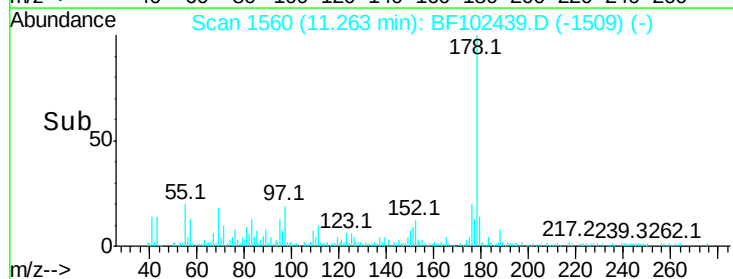
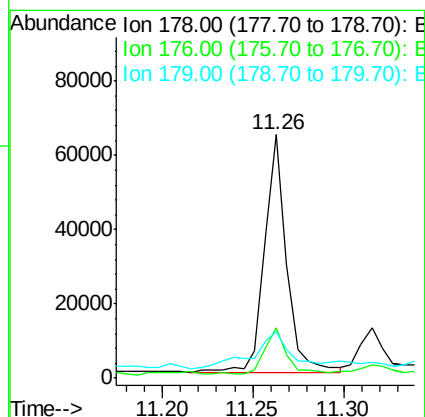
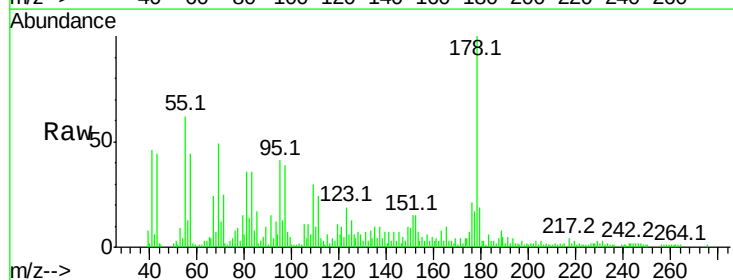
Instrument :
BNA_F
ClientSampleId :

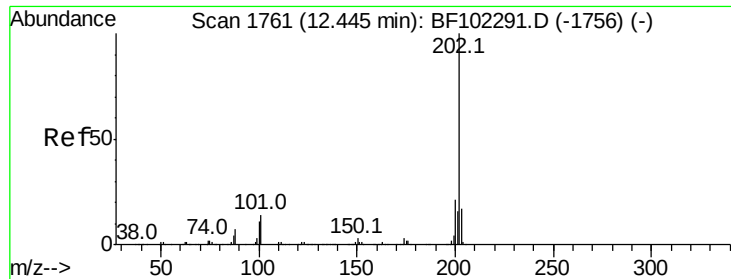
Tot Ion:188 Resp: 267121
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.9 9.2 13.8



#70
Phenanthrene
Concen: 3.466 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Tgt Ion:178 Resp: 53946
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 19.1 13.0 19.6





#74

Fluoranthene

Concen: 3.396 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

Instrument :

BNA_F

ClientSampleId :

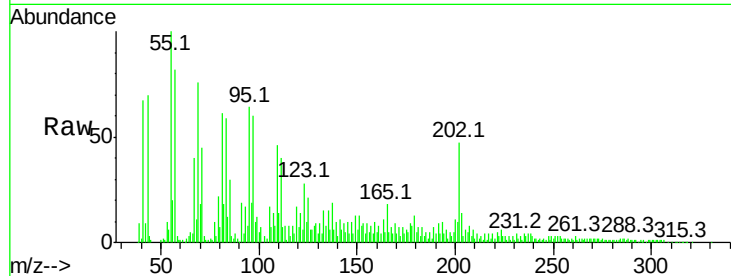
Tot Ion:202 Resp: 53899

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

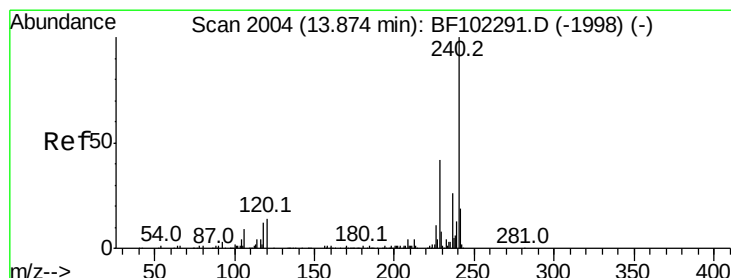
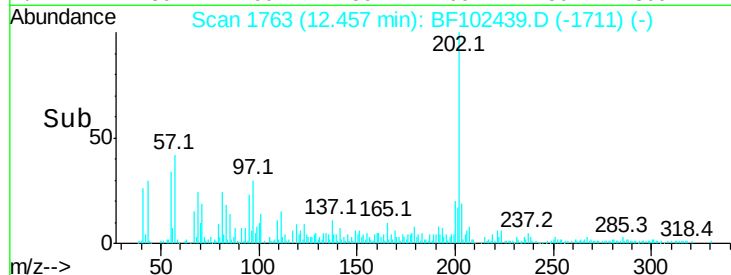
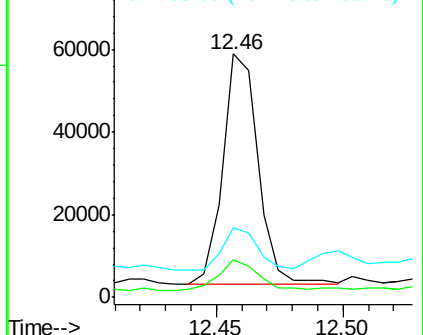
203 28.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.04 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

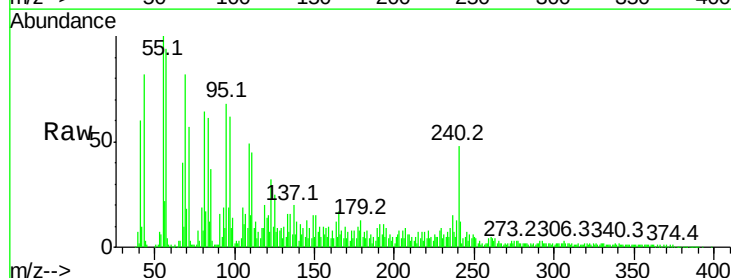
Tgt Ion:240 Resp: 121296

Ion Ratio Lower Upper

240 100

120 28.7 9.5 14.3#

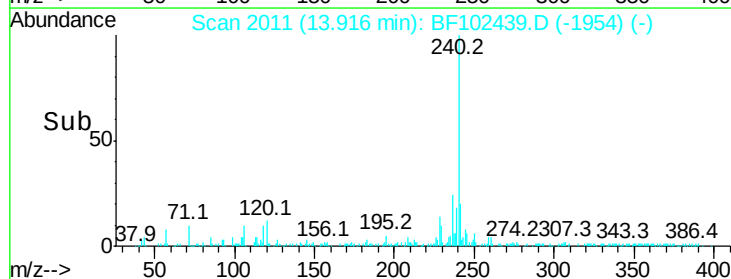
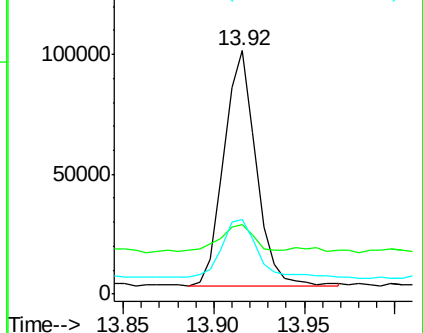
236 30.6 20.7 31.1

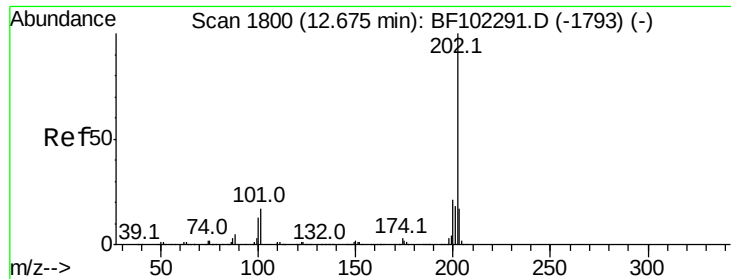


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.737 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

Instrument :

BNA_F

ClientSampleId :

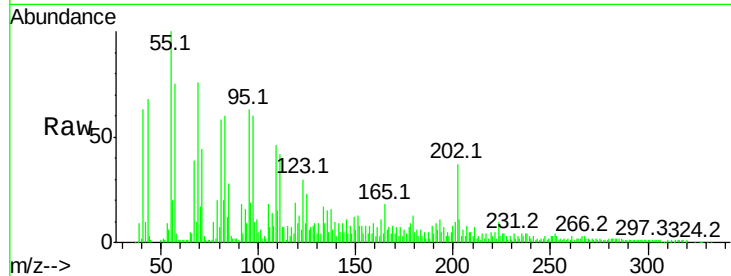
Tot Ion:202 Resp: 53805

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

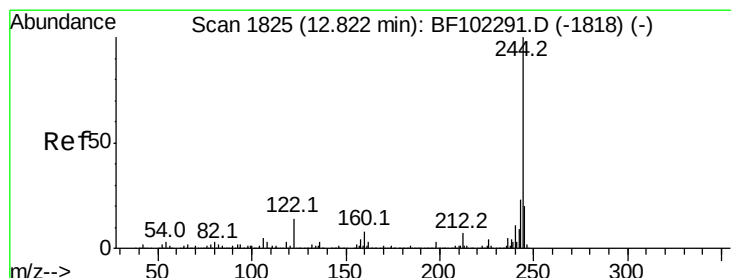
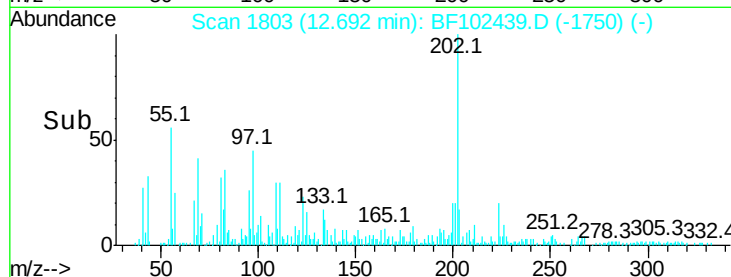
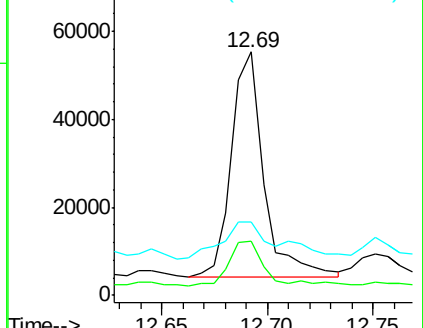
203 30.1 14.3 21.5#



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: 91.579 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

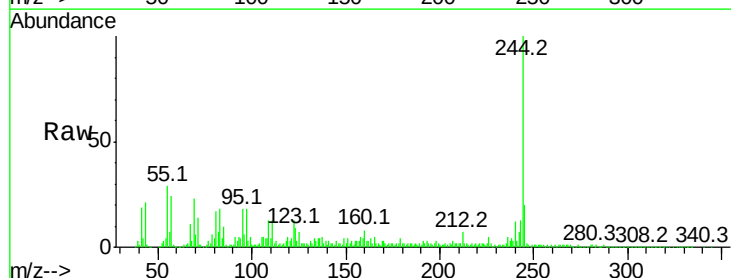
Tgt Ion:244 Resp: 492740

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

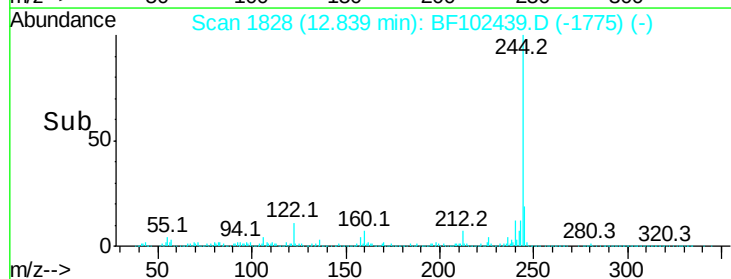
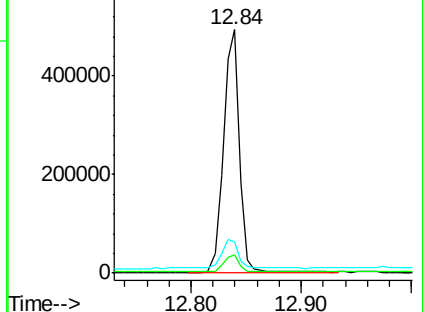
122 13.1 11.0 16.4

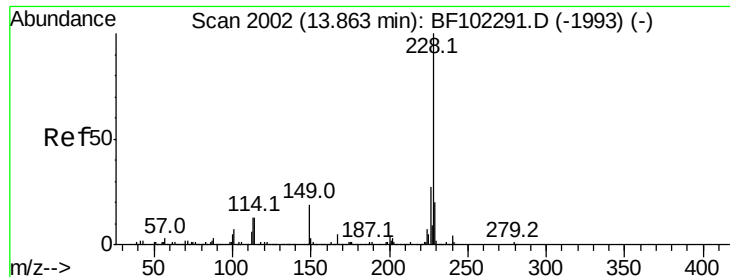


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.257 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.06 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

Instrument :

BNA_F

ClientSampleId :

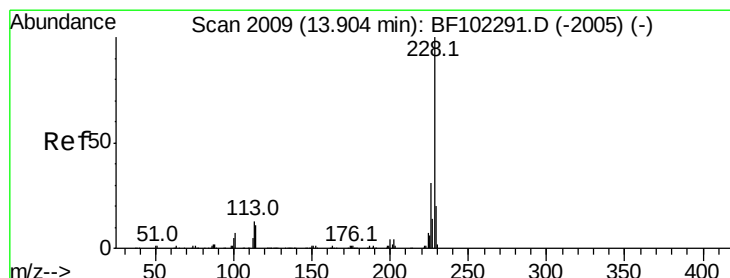
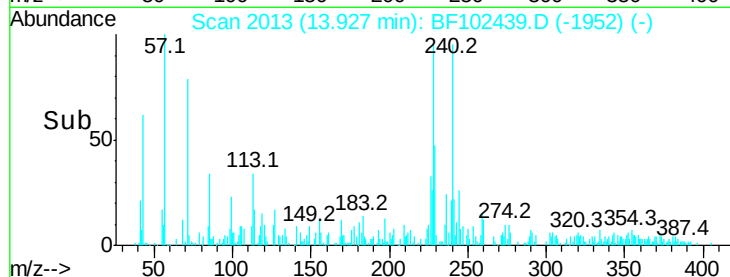
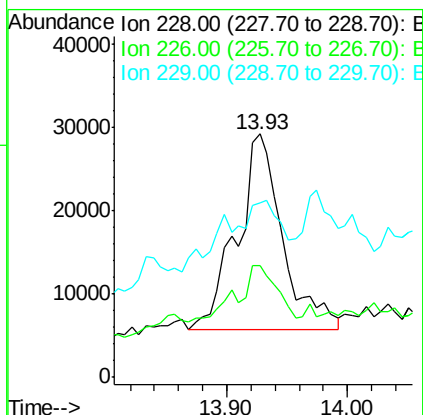
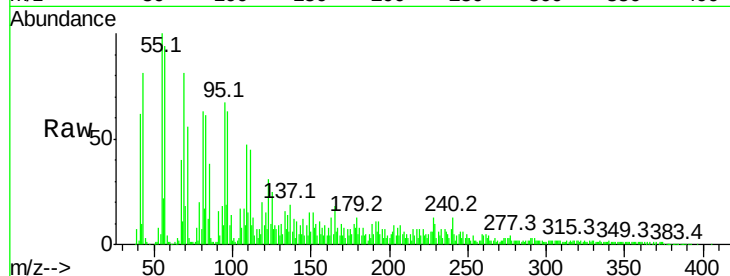
Tot Ion:228 Resp: 61660

Ion Ratio Lower Upper

228 100

226 46.1 22.6 33.8#

229 71.7 15.8 23.6#



#82

Chrysene

Concen: 8.131 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

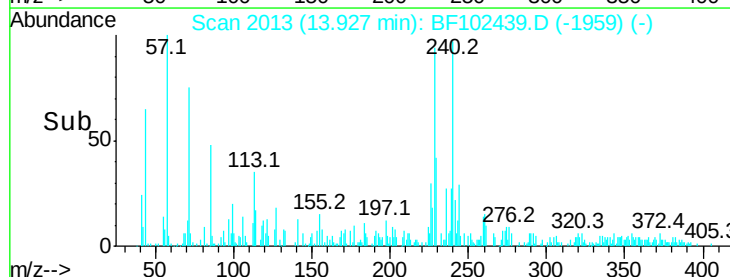
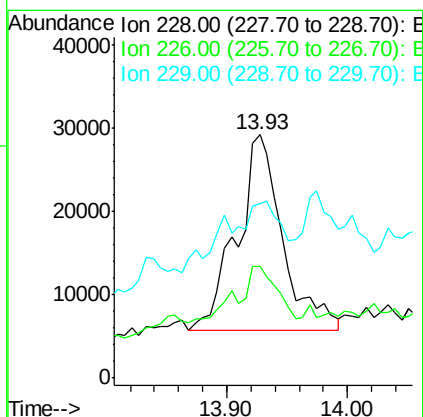
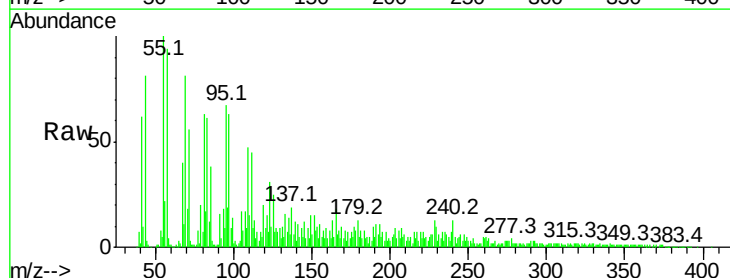
Tgt Ion:228 Resp: 61660

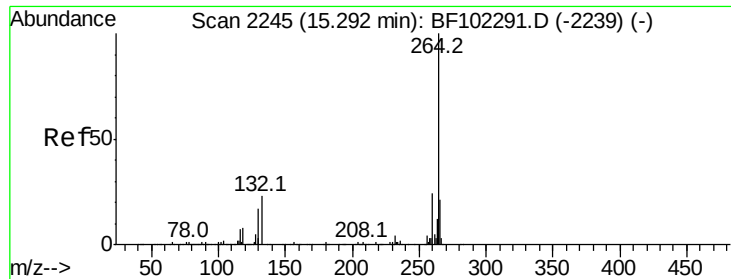
Ion Ratio Lower Upper

228 100

226 46.1 25.0 37.6#

229 71.7 16.2 24.4#



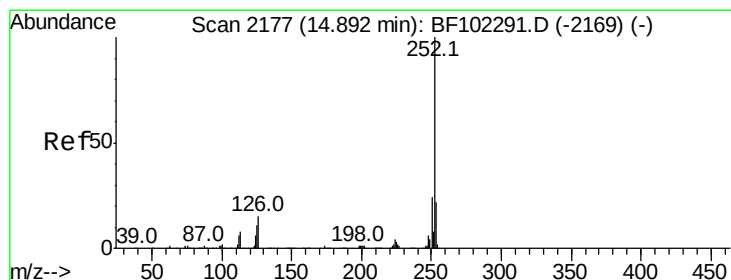
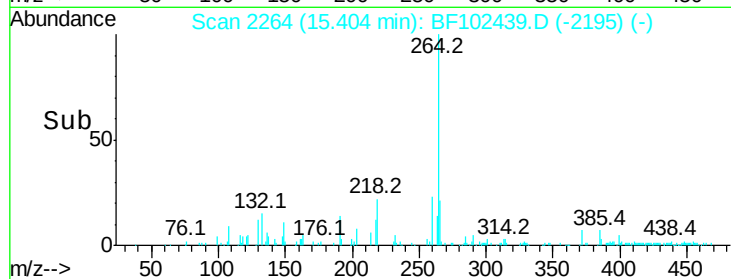
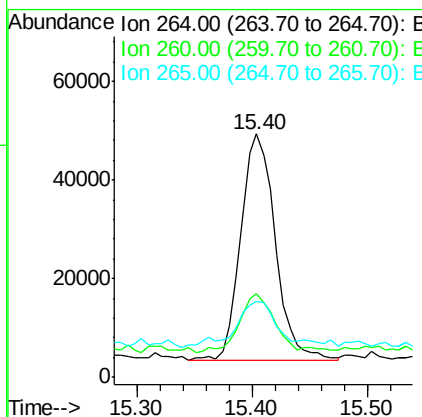
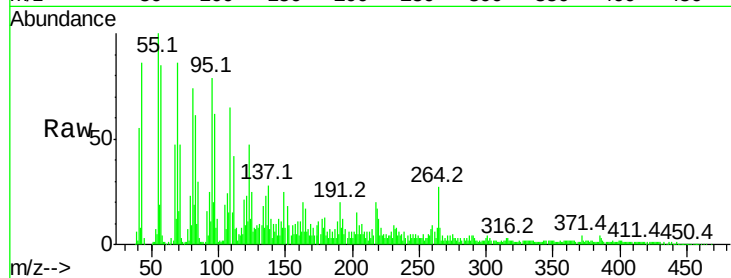


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.11 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 95871

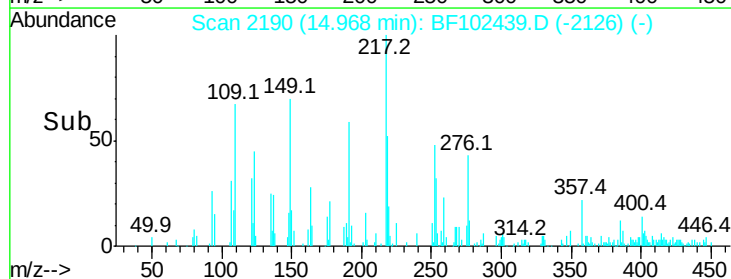
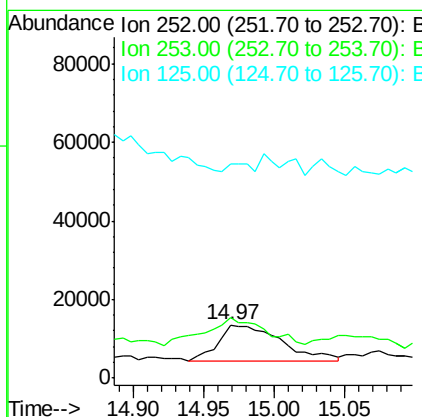
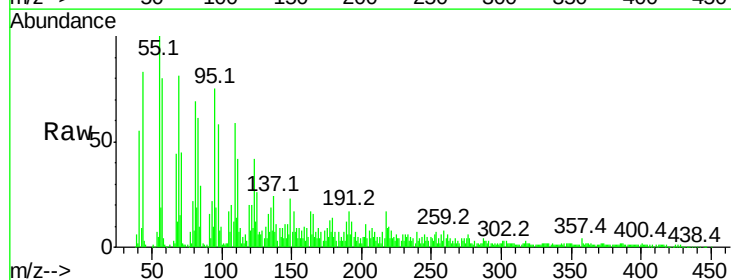
Ion	Ratio	Lower	Upper
264	100		
260	34.6	19.2	28.8#
265	31.2	17.5	26.3#

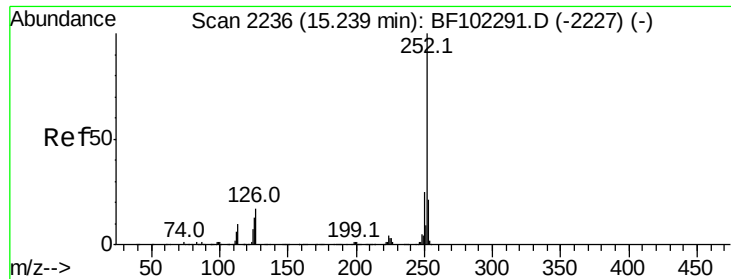


#87
Benzo(b)fluoranthene
Concen: 4.585 ng
RT: 14.97 min Scan# 2190
Delta R.T. 0.08 min
Lab File: BF102439.D
Acq: 25 Jan 2018 22:25

Tgt Ion:252 Resp: 28489

Ion	Ratio	Lower	Upper
252	100		
253	113.3	17.0	25.6#
125	401.2	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.358 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.09 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

Instrument :

BNA_F

ClientSampleId :

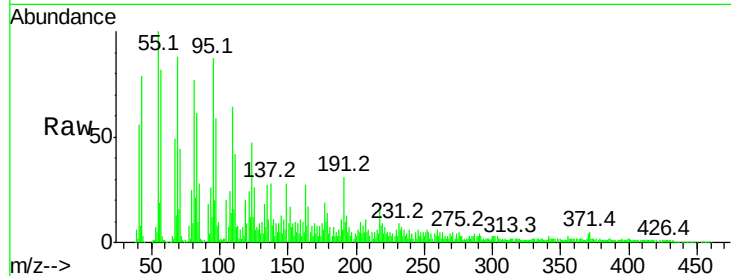
Tot Ion:252 Resp: 13212

Ion Ratio Lower Upper

252 100

253 89.0 17.1 25.7#

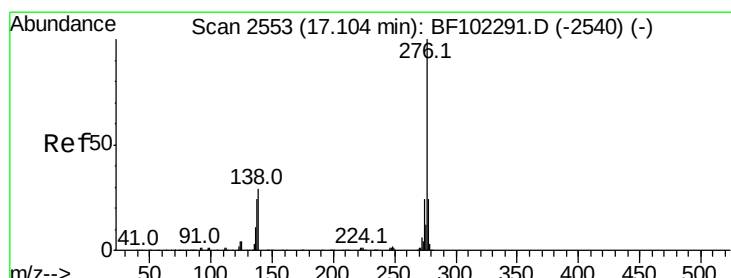
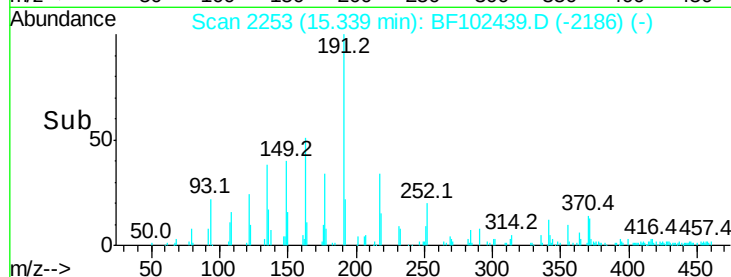
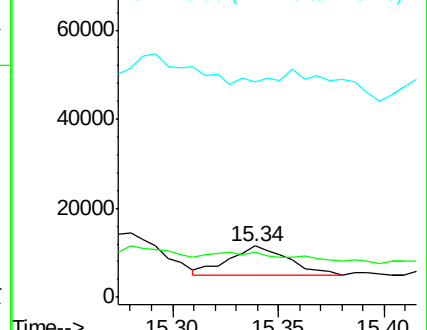
125 422.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.762 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.15 min

Lab File: BF102439.D

Acq: 25 Jan 2018 22:25

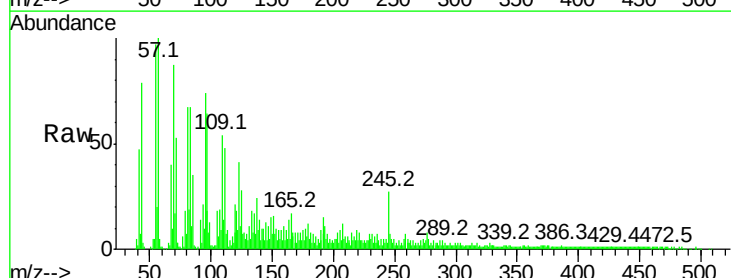
Tgt Ion:276 Resp: 12382

Ion Ratio Lower Upper

276 100

277 61.6 17.9 26.9#

138 113.0 21.8 32.8#



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

