

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104320.D
 Acq On : 6 Apr 2018 21:56
 Operator : JU/SJ
 Sample : J2232-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CV-RB26667RT

Quant Time: Apr 06 23:12:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155900	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	624424	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	218846	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	226230	20.00	ng	0.02
75) Chrysene-d12	13.97	240	311228	20.00	ng	0.00
86) Perylene-d12	15.43	264	310669	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1008202	98.88	ng	0.01
7) Phenol-d6	6.43	99	1251996	99.94	ng	0.00
23) Nitrobenzene-d5	7.37	82	743268	77.73	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	219849	96.84	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1162847	83.94	ng	0.00
78) Terphenyl-d14	12.93	244	723398	52.99	ng	0.01

Target Compounds

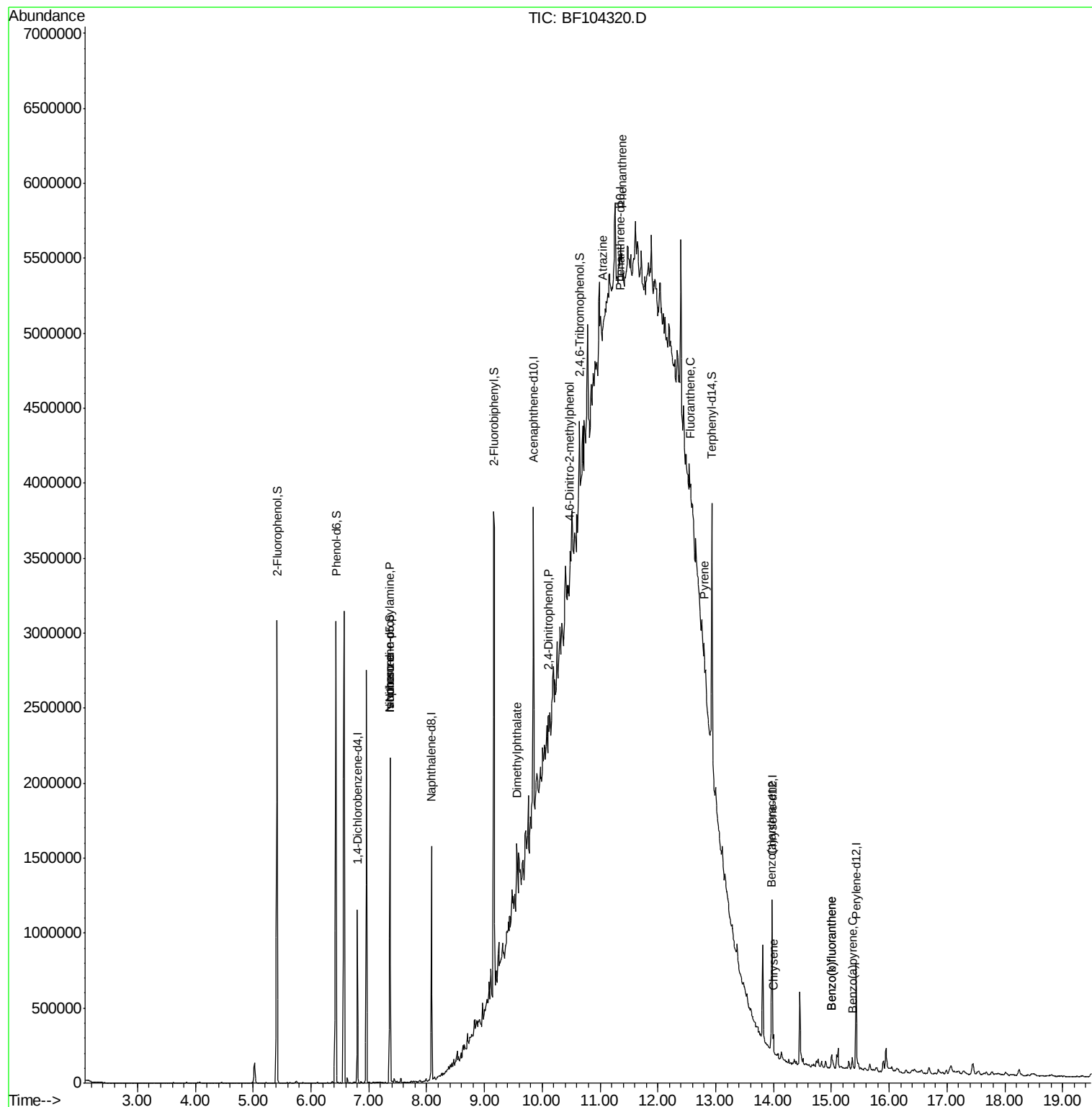
						Qvalue
9) Benzaldehyde	6.43	77	1989	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	98809	12.070 ng	#	75
25) Isophorone	7.37	82	742807	36.733 ng	#	64
49) Dimethylphthalate	9.56	163	115145	6.672 ng	#	94
53) 2,4-Dinitrophenol	10.10	184	163	5.312 ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.47	198	508	7.738 ng	#	1
68) Atrazine	11.05	200	9941	4.199 ng	#	1
70) Phenanthrene	11.37	178	39402	3.127 ng	#	13
74) Fluoranthene	12.57	202	67417	5.122 ng	#	89
76) Benzidine	12.64	184	1101	Below Cal	#	1
77) Pyrene	12.79	202	76794	3.329 ng	#	93
80) Benzo(a)anthracene	13.96	228	43731	2.352 ng	#	94
82) Chrysene	14.00	228	41347	2.165 ng	#	97
87) Benzo(b)fluoranthene	15.00	252	62409	3.181 ng	#	94
88) Benzo(k)fluoranthene	15.00	252	62409	3.369 ng	#	97
89) Benzo(a)pyrene	15.36	252	35543	2.025 ng	#	94

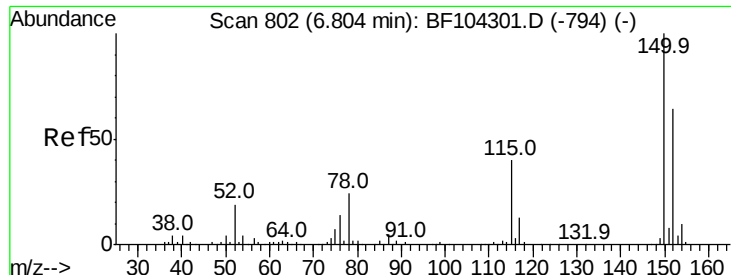
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
Data File : BF104320.D
Acq On : 6 Apr 2018 21:56
Operator : JU/SJ
Sample : J2232-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

Quant Time: Apr 06 23:12:07 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration



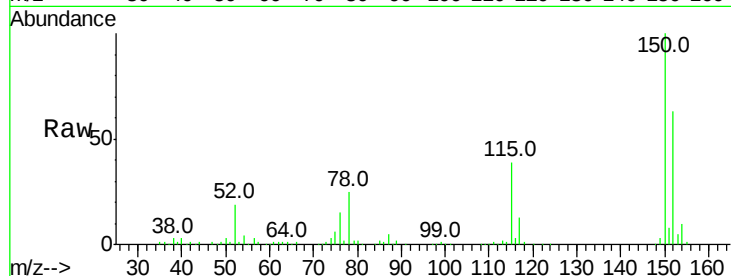


#1

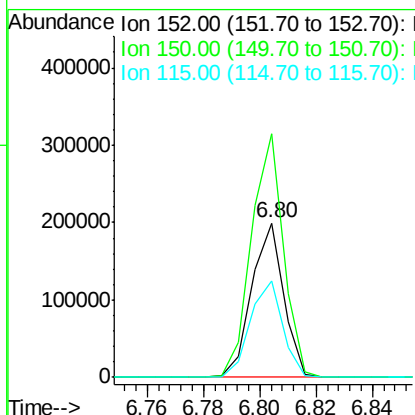
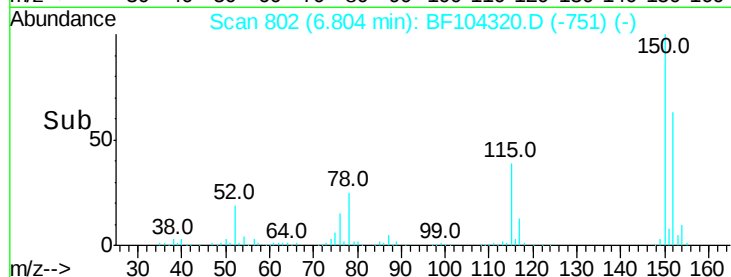
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

Tot Ion:152 Resp: 155900
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 62.4 50.1 75.1



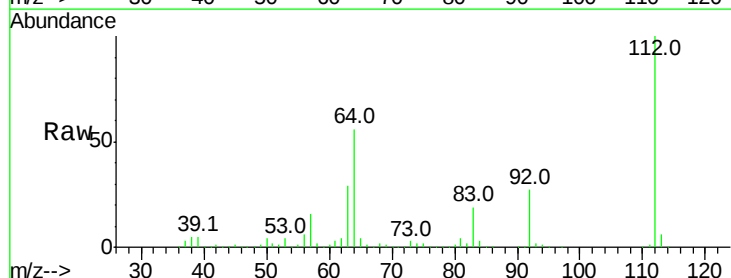
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



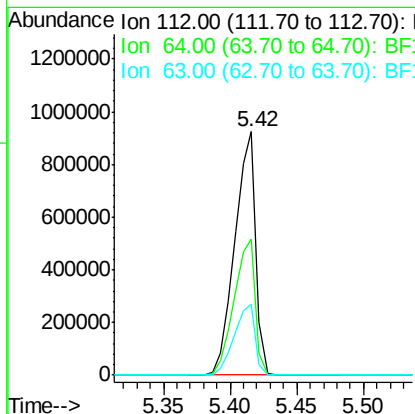
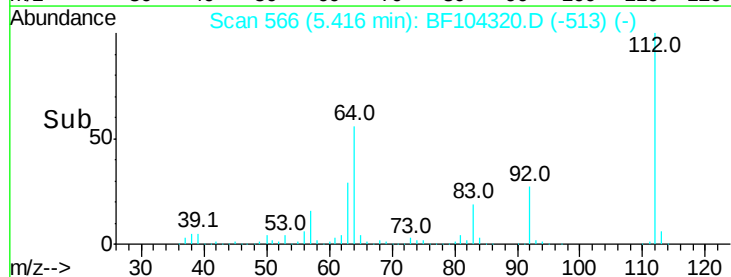
#5

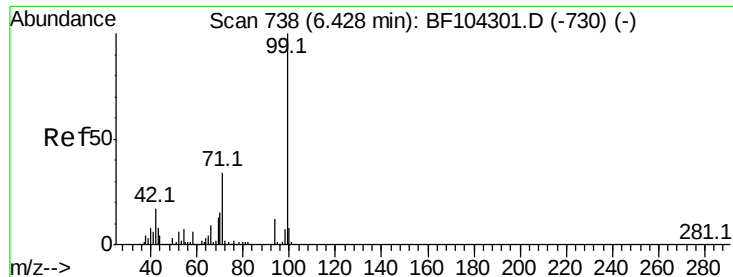
2-Fluorophenol
Concen: 98.884 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Tgt Ion:112 Resp: 1008202
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 29.0 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: 99.941 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Instrument :

BNA_F

ClientSampleId :

CV-RB26667RT

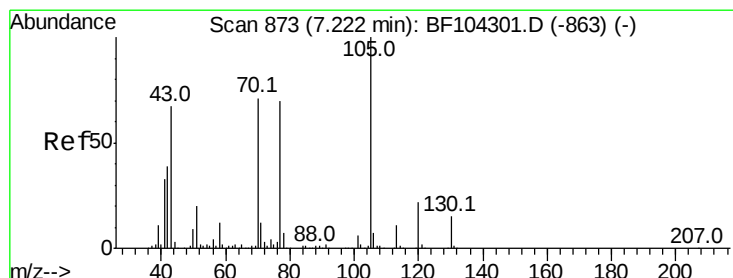
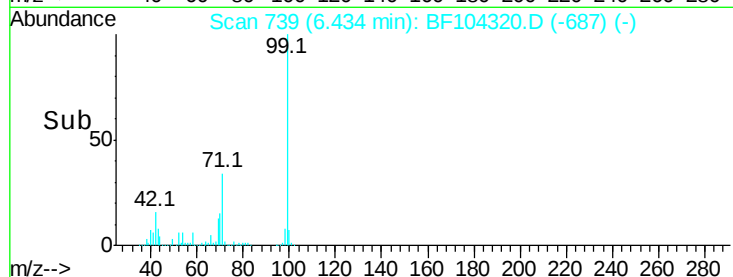
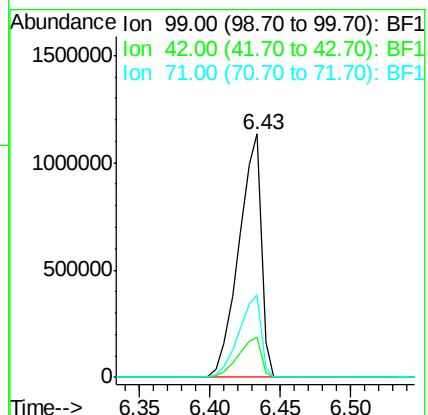
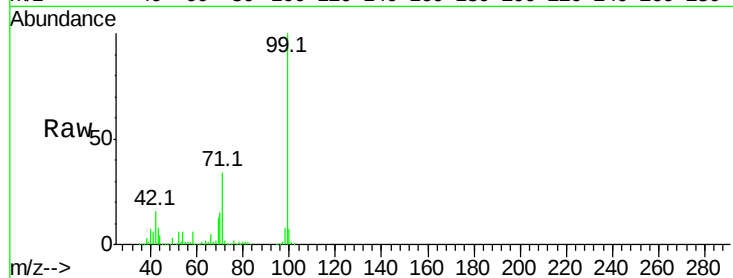
Tot Ion: 99 Resp: 1251996

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.070 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Tgt Ion: 70 Resp: 98809

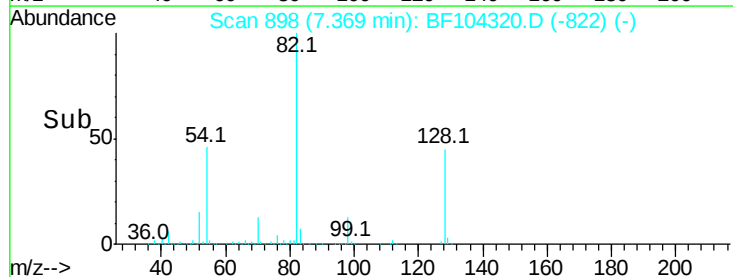
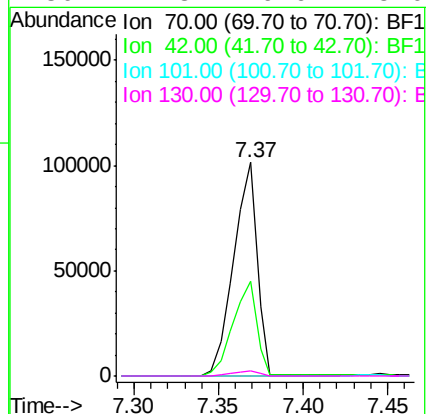
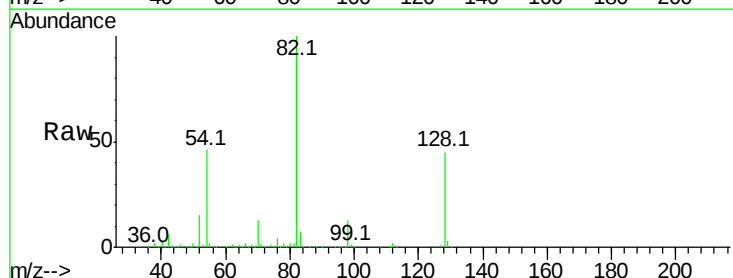
Ion Ratio Lower Upper

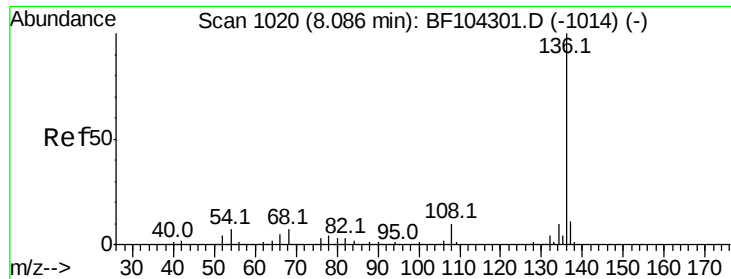
70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

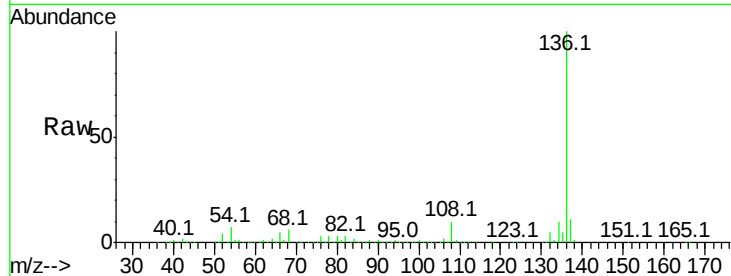




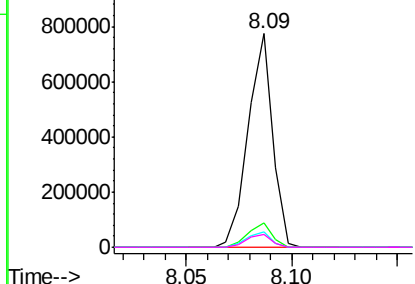
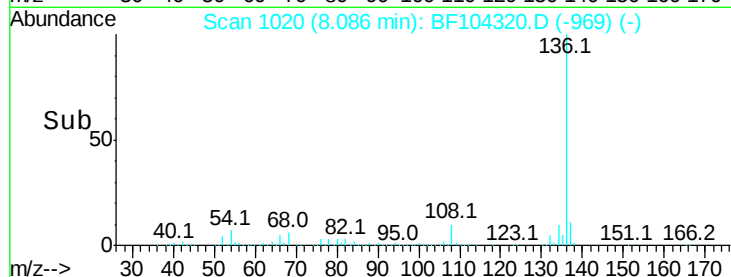
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

Tot Ion:136	Resp: 624424
Ion Ratio	Lower Upper
136 100	
137 11.3	8.9 13.3
54 7.3	6.6 9.8
68 6.2	5.0 7.4

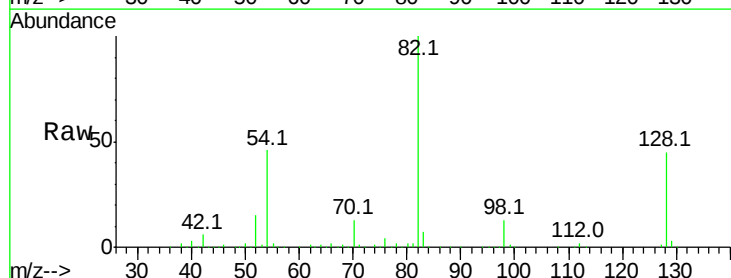


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

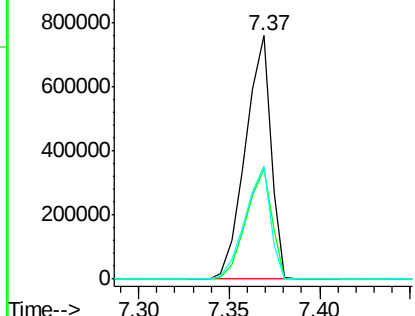
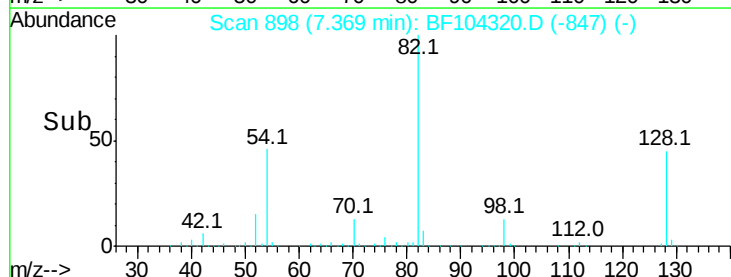


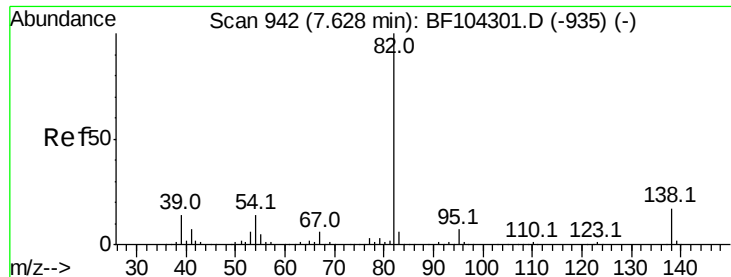
#23
Nitrobenzene-d5
Concen: 77.726 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Tgt Ion: 82	Resp: 743268
Ion Ratio	Lower Upper
82 100	
128 45.4	36.1 54.1
54 46.3	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.733 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Instrument :

BNA_F

ClientSampleId :

CV-RB26667RT

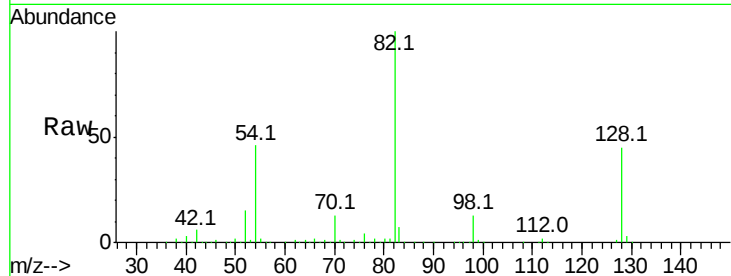
Tot Ion: 82 Resp: 742807

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

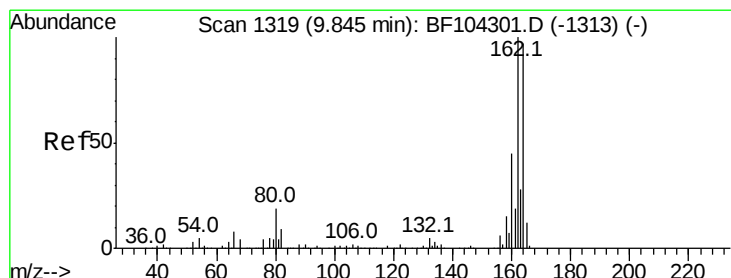
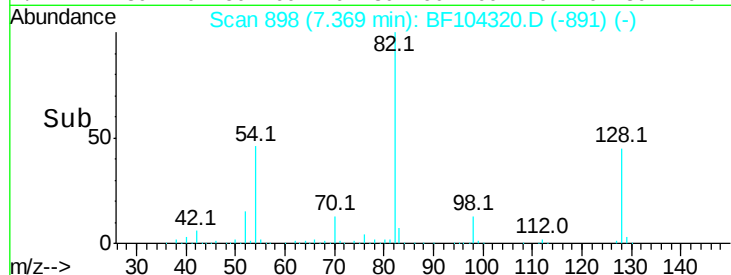
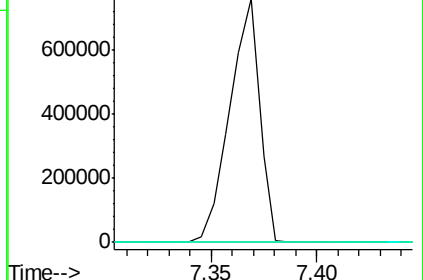
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

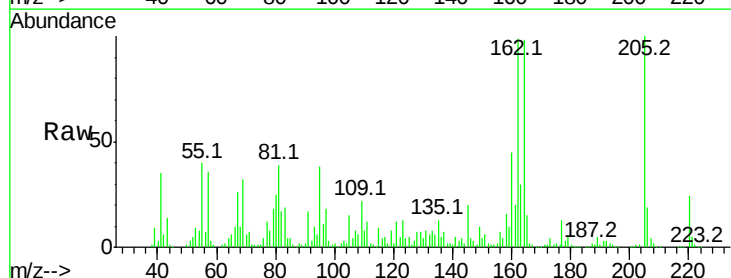
Tgt Ion:164 Resp: 218846

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

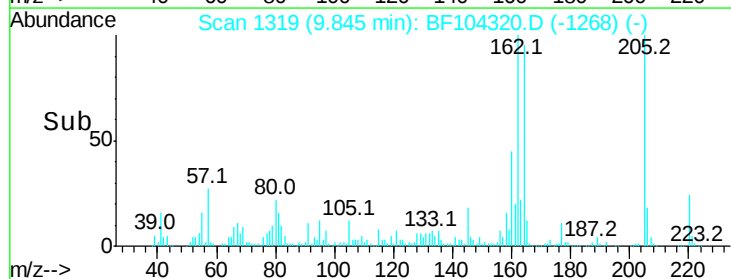
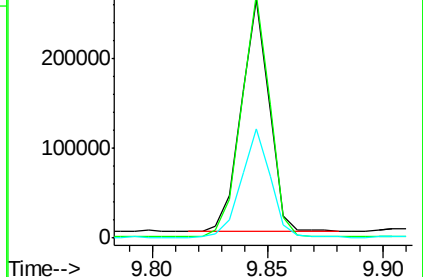
160 45.9 38.3 57.5



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

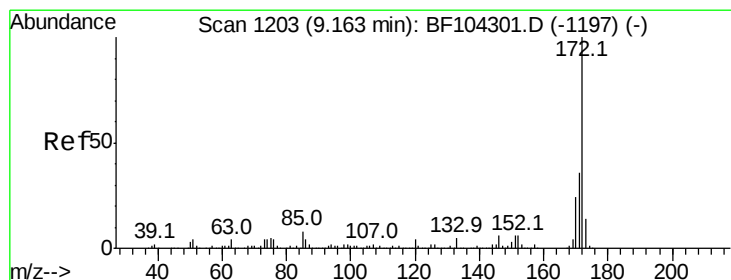
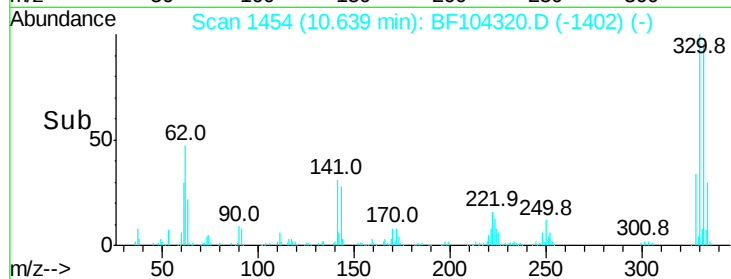
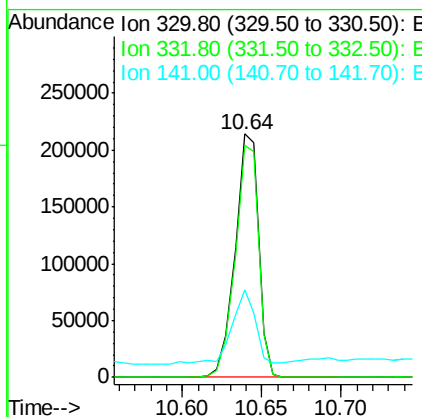
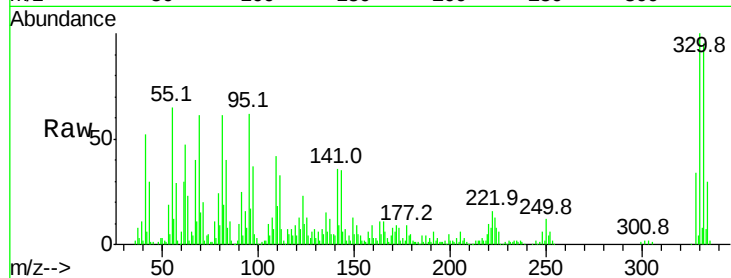




#41
 2,4,6-Tribromophenol
 Concen: 96.843 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF104320.D
 Acq: 6 Apr 2018 21:56

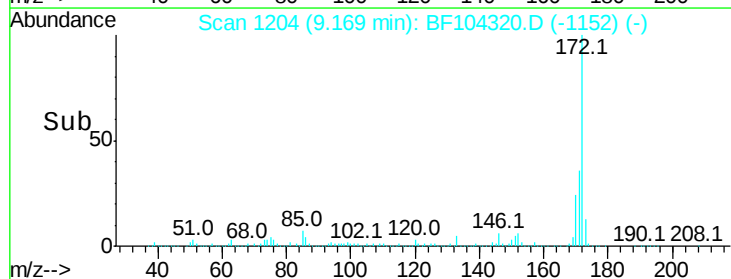
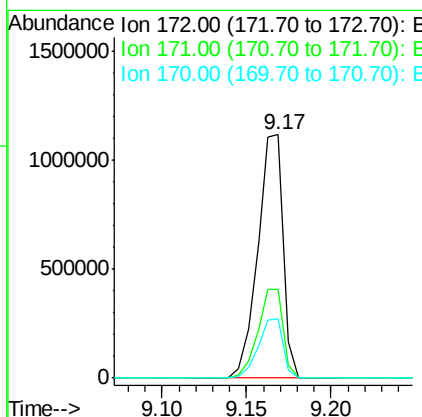
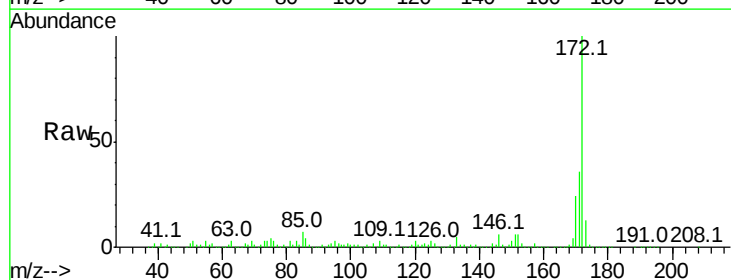
Instrument :
 BNA_F
 ClientSampleId :
 CV-RB26667RT

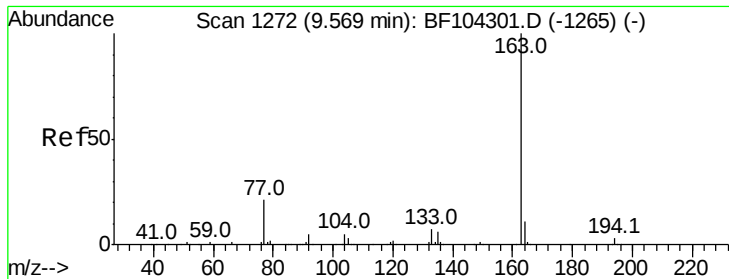
Tot Ion:330 Resp: 219849
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 30.5 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 83.941 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104320.D
 Acq: 6 Apr 2018 21:56

Tgt Ion:172 Resp: 1162847
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.3 19.6 29.4





#49

Dimethylphthalate

Concen: 6.672 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Instrument :

BNA_F

ClientSampleId :

CV-RB26667RT

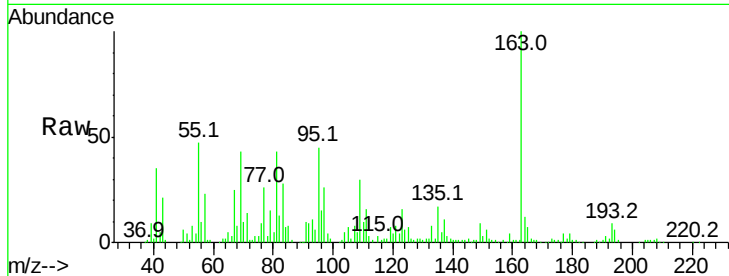
Tot Ion:163 Resp: 115145

Ion Ratio Lower Upper

163 100

194 6.1 2.7 4.1#

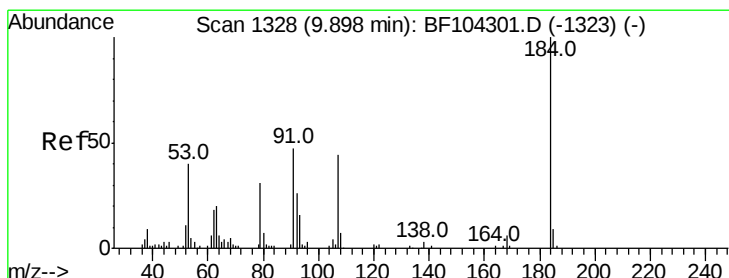
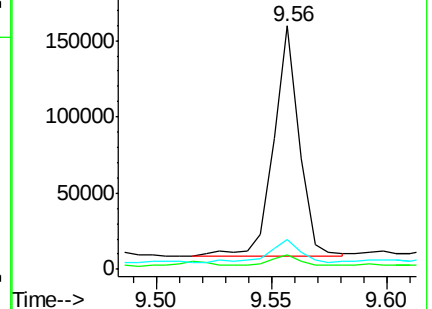
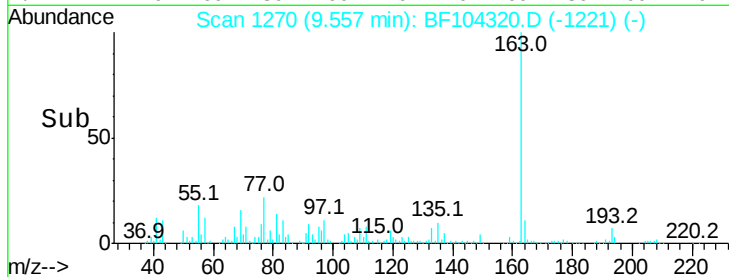
164 12.0 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 5.312 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.21 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

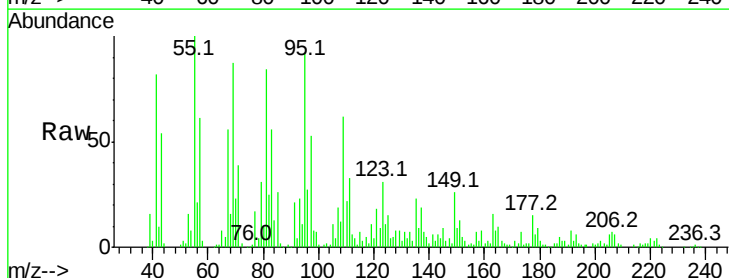
Tgt Ion:184 Resp: 163

Ion Ratio Lower Upper

184 100

63 419.9 54.2 81.2#

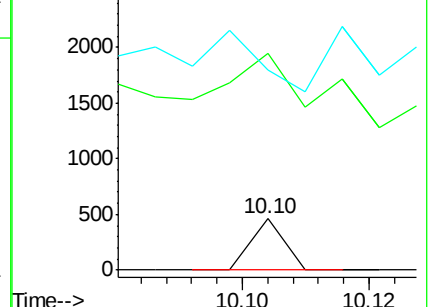
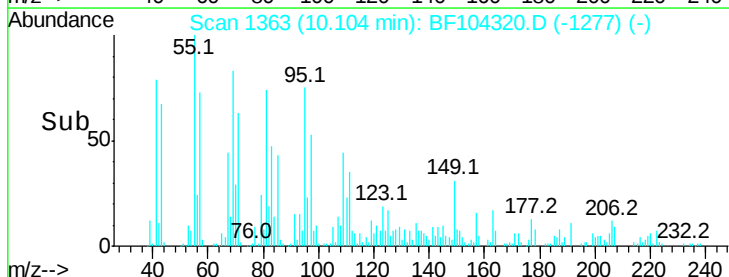
154 389.2 184.0 276.0#

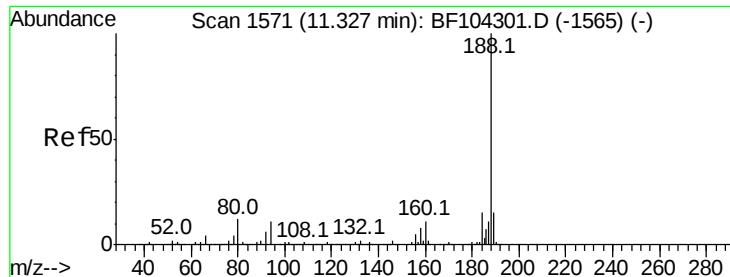


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.02 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Instrument :

BNA_F

ClientSampleId :

CV-RB26667RT

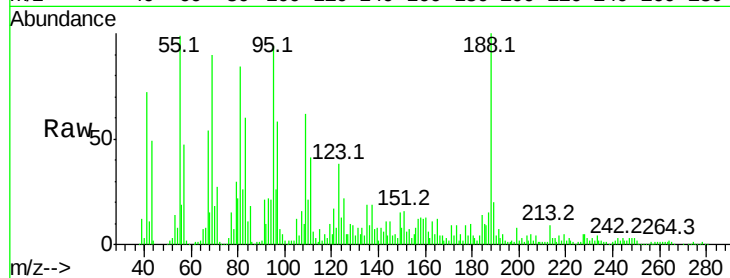
Tot Ion:188 Resp: 226230

Ion Ratio Lower Upper

188 100

94 21.1 8.5 12.7#

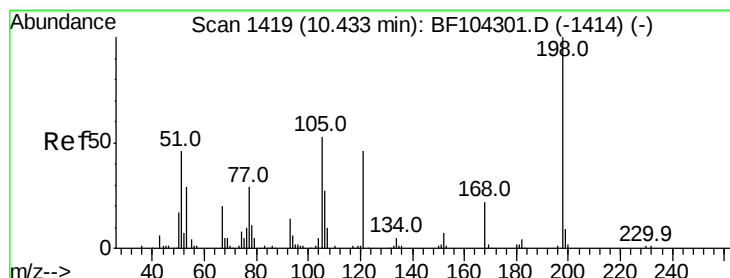
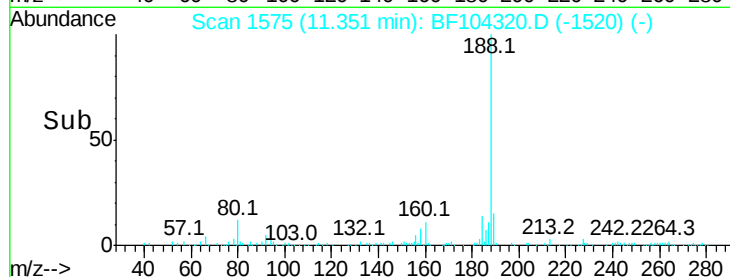
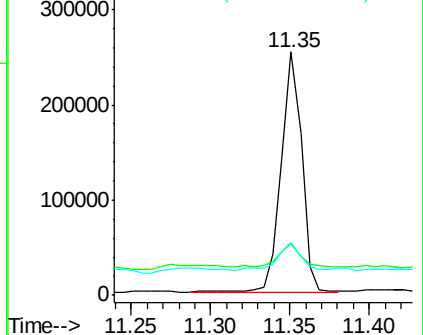
80 21.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 7.738 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.04 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

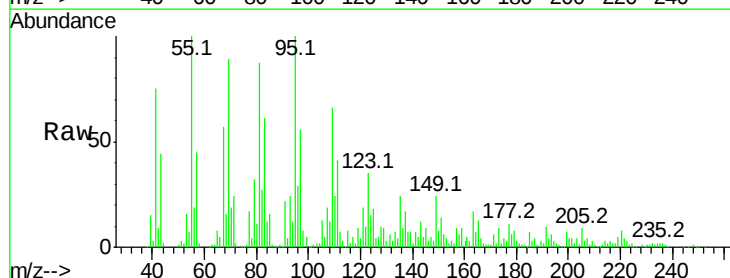
Tgt Ion:198 Resp: 508

Ion Ratio Lower Upper

198 100

51 1167.8 37.7 77.7#

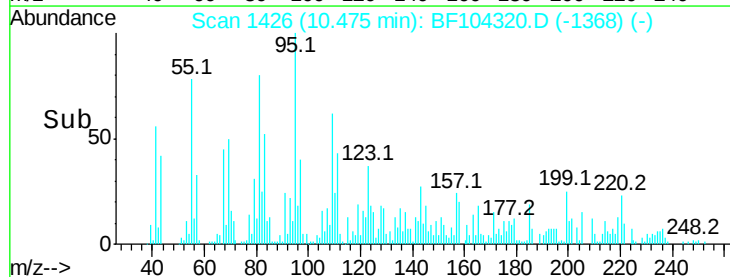
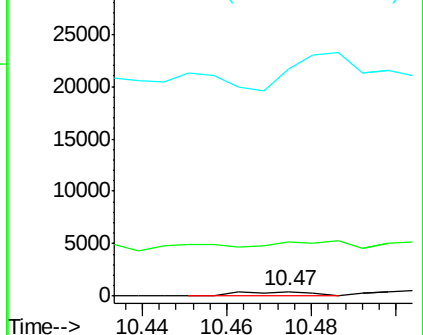
105 4933.3 36.3 76.3#

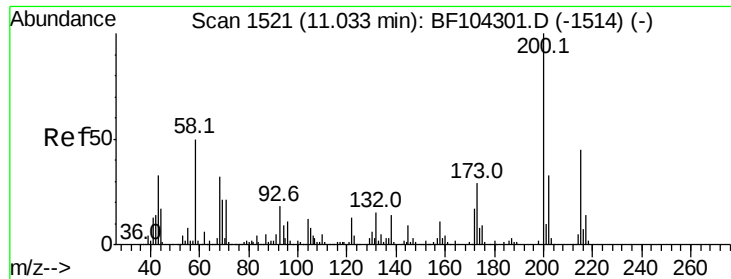


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

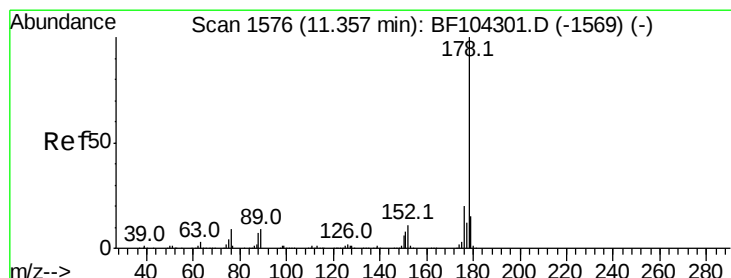
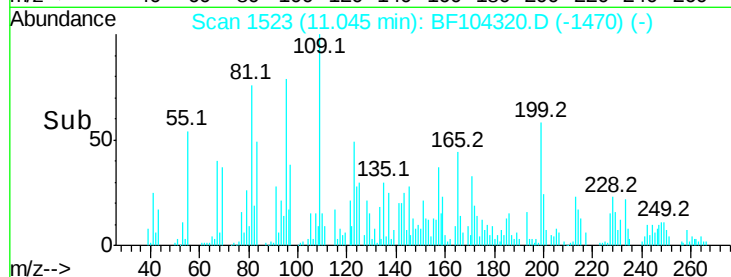
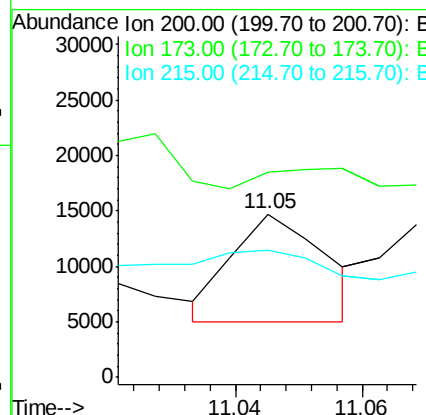
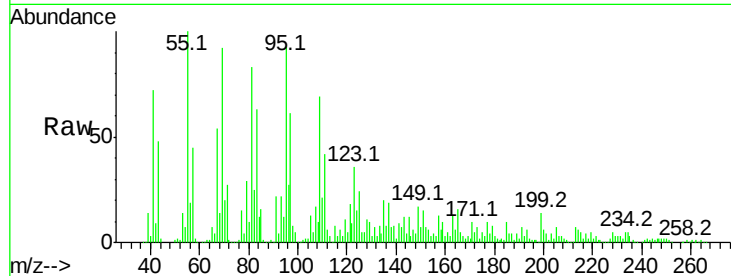




#68
Atrazine
Concen: 4.199 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

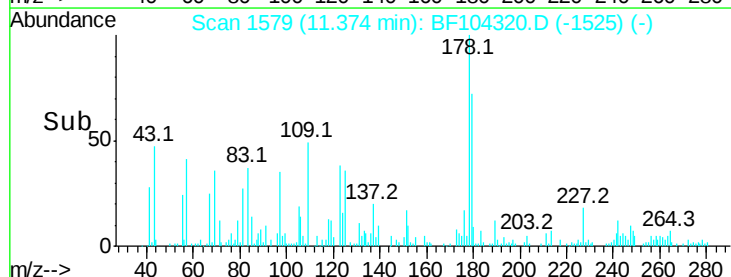
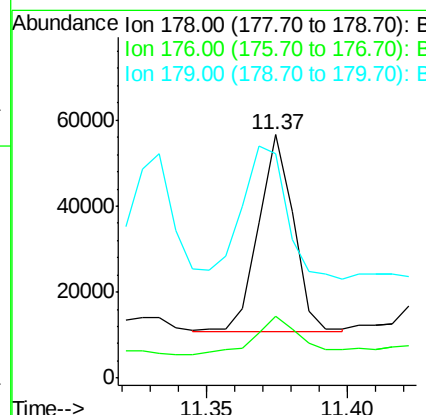
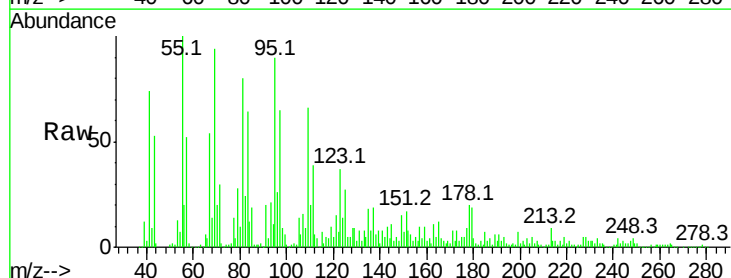
Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

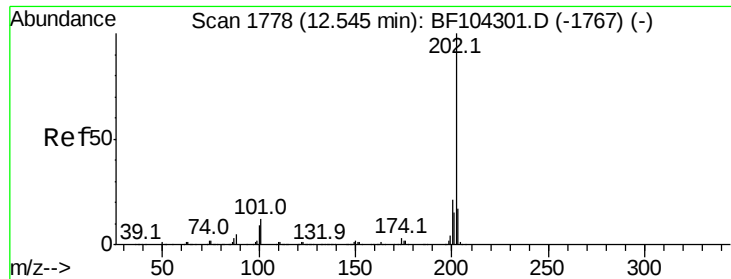
Tot Ion:200 Resp: 9941
Ion Ratio Lower Upper
200 100
173 125.3 8.6 48.6#
215 77.7 25.1 65.1#



#70
Phenanthrene
Concen: 3.127 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.02 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Tgt Ion:178 Resp: 39402
Ion Ratio Lower Upper
178 100
176 25.2 15.8 23.8#
179 92.4 13.0 19.6#





#74

Fluoranthene

Concen: 5.122 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.02 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Instrument :

BNA_F

ClientSampleId :

CV-RB26667RT

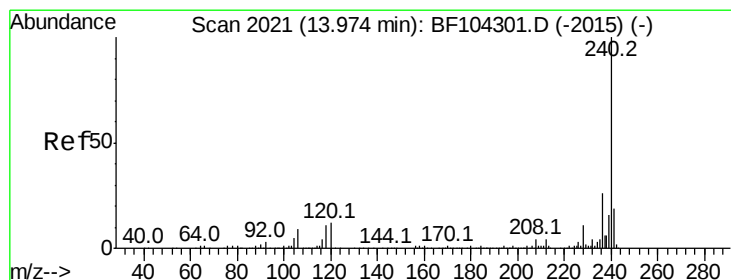
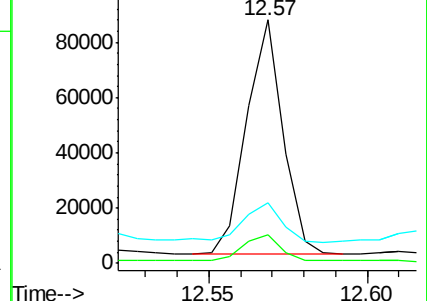
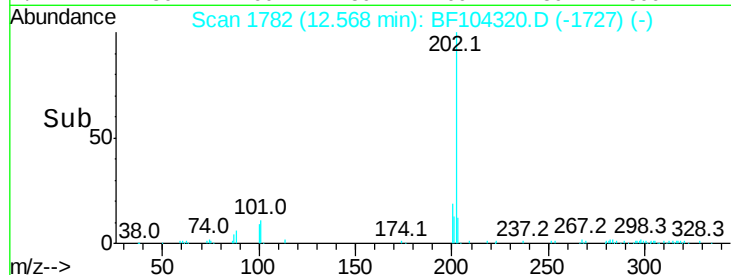
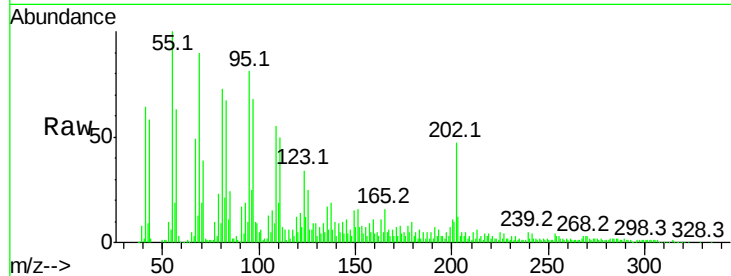
Tot Ion:202 Resp: 67417

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

203 24.7 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

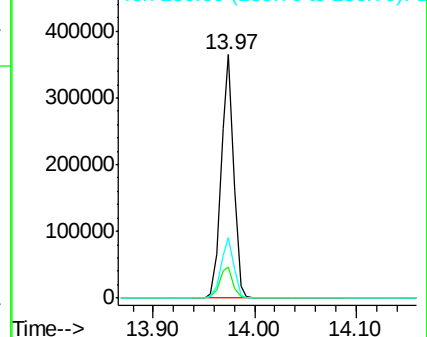
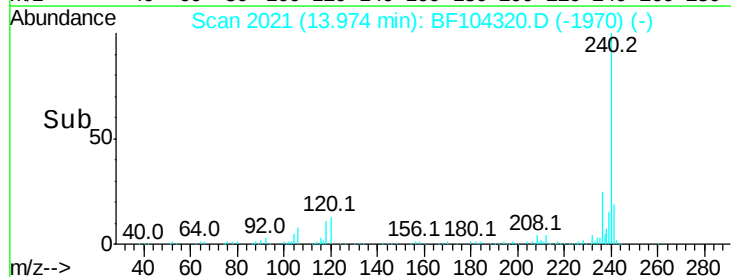
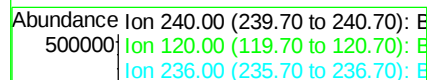
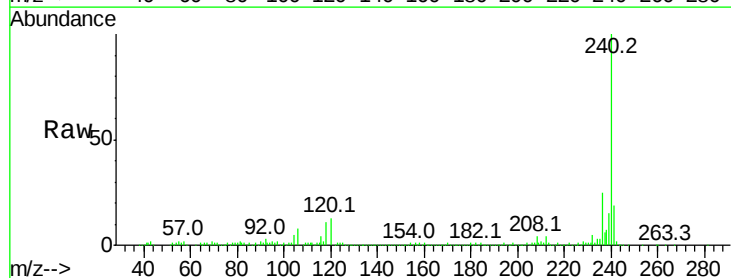
Tgt Ion:240 Resp: 311228

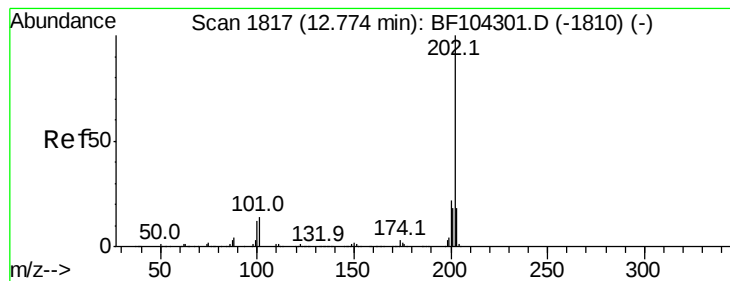
Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

236 25.1 20.7 31.1





#77

Pvrene

Concen: 3.329 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.02 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

Instrument :

BNA_F

ClientSampleId :

CV-RB26667RT

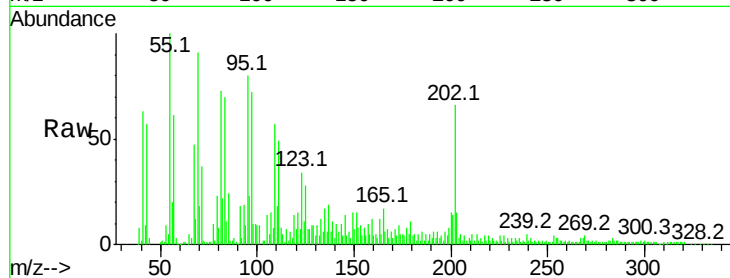
Tot Ion:202 Resp: 76794

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.2

203 23.4 14.3 21.5#



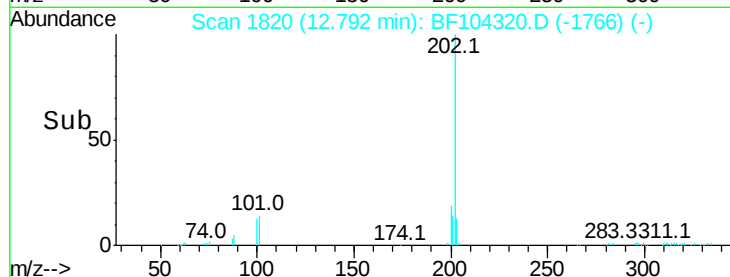
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

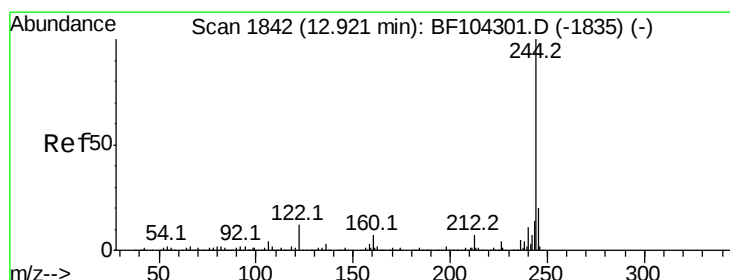
12.79

Time-->



12.79

Time-->



#78

Terphenyl-d14

Concen: 52.991 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104320.D

Acq: 6 Apr 2018 21:56

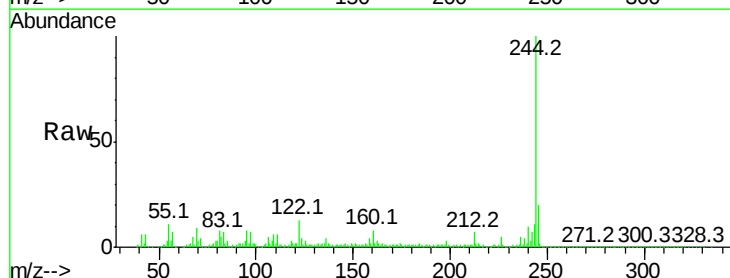
Tgt Ion:244 Resp: 723398

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

122 13.4 11.0 16.4



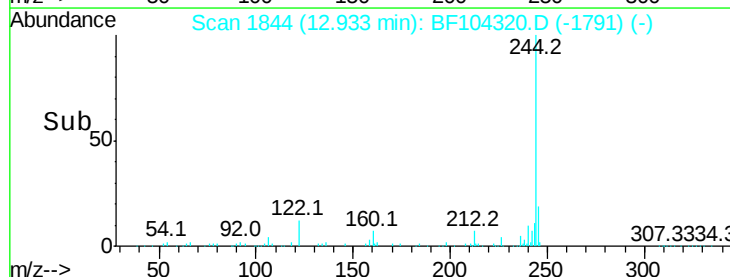
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

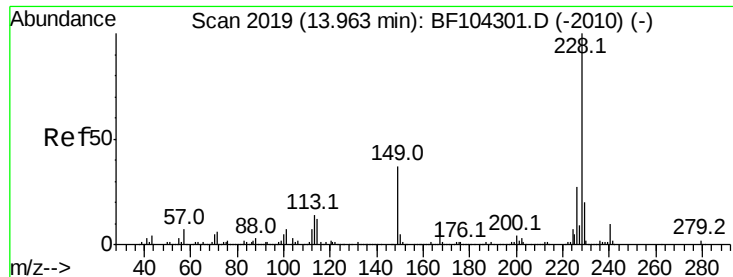
12.93

Time-->



12.93

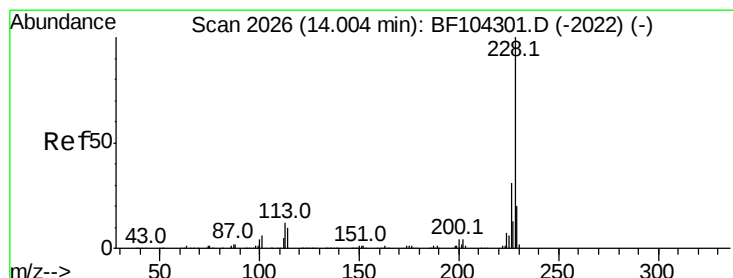
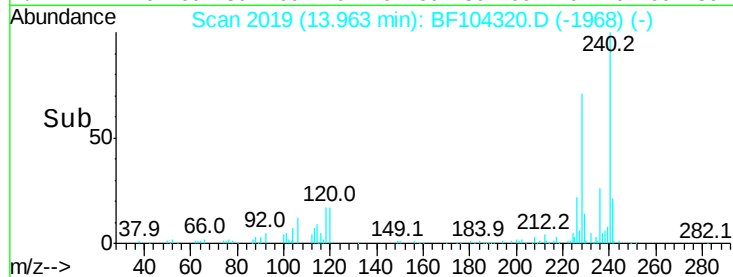
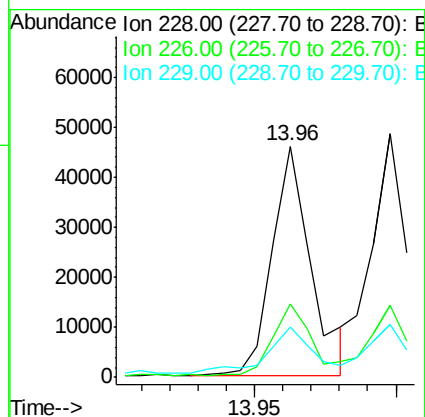
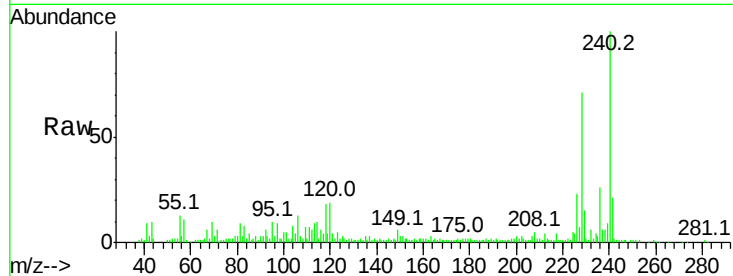
Time-->



#80
Benzo(a)anthracene
Concen: 2.352 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

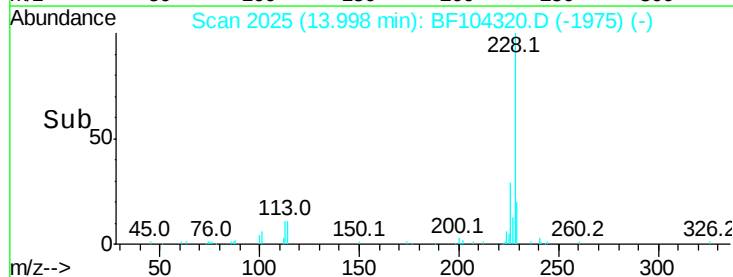
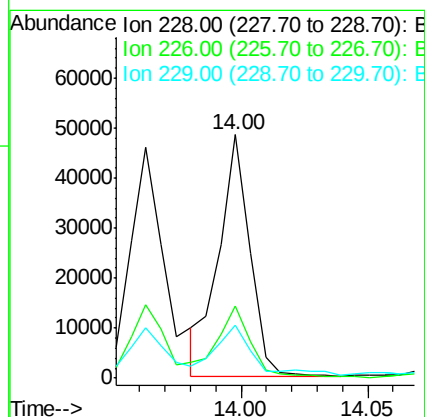
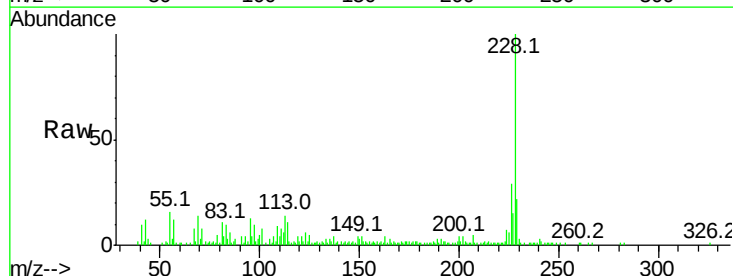
Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

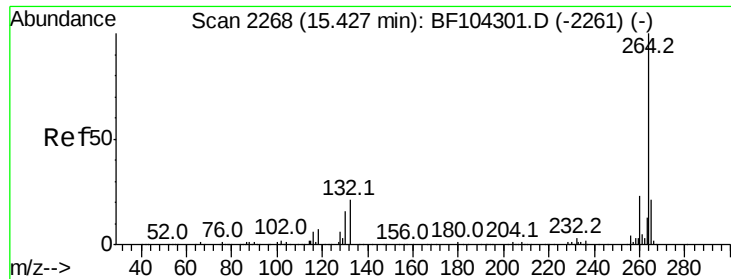
Tot Ion:228 Resp: 43731
Ion Ratio Lower Upper
228 100
226 31.8 22.6 33.8
229 21.7 15.8 23.6



#82
Chrysene
Concen: 2.165 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Tgt Ion:228 Resp: 41347
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 21.6 16.2 24.4



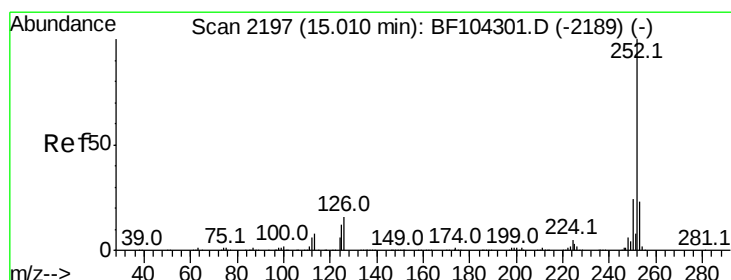
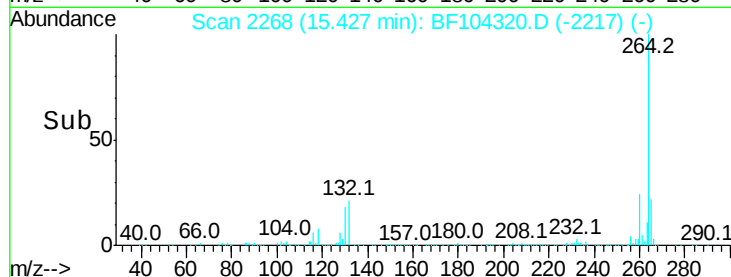
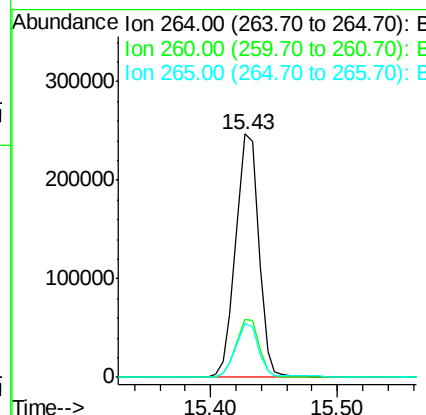
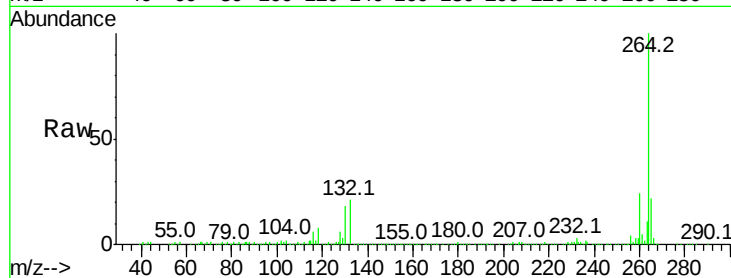


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

Tot Ion:264 Resp: 310669

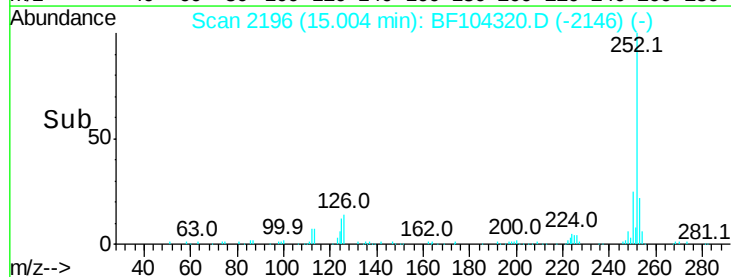
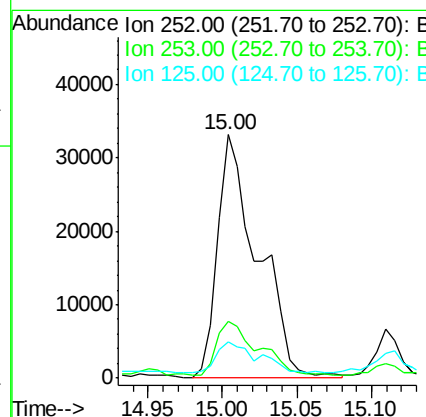
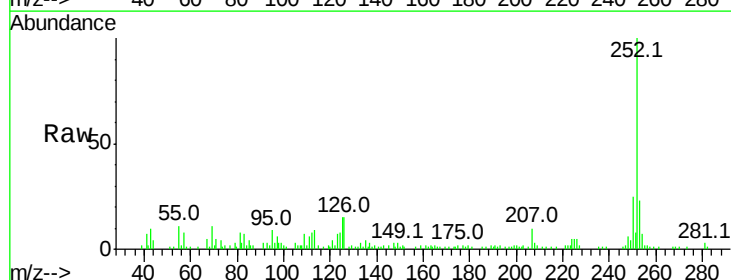
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	17.5	26.3

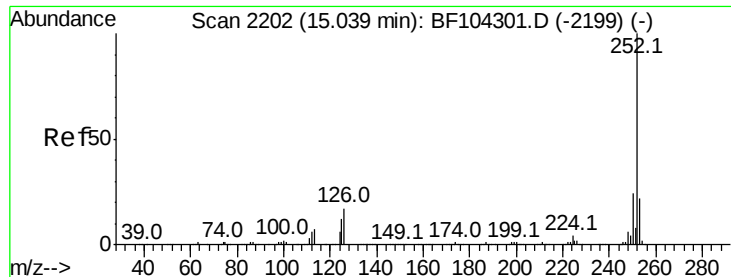


#87
Benzo(b)fluoranthene
Concen: 3.181 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Tgt Ion:252 Resp: 62409

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	14.7	9.0	13.6#

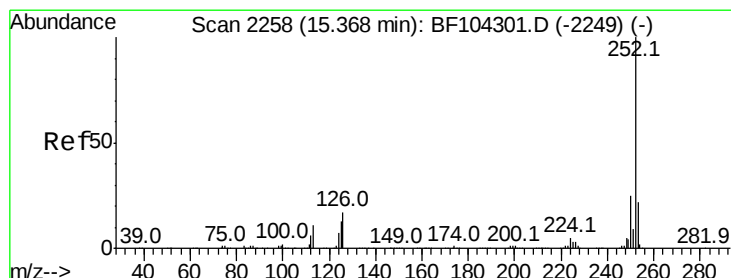
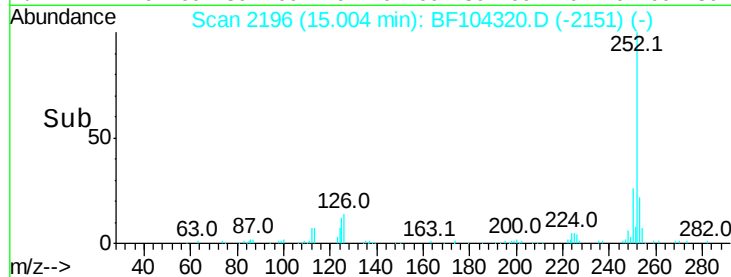
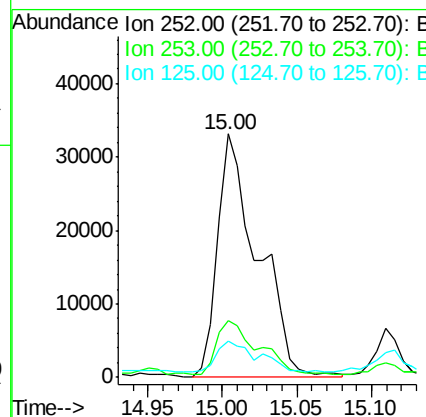
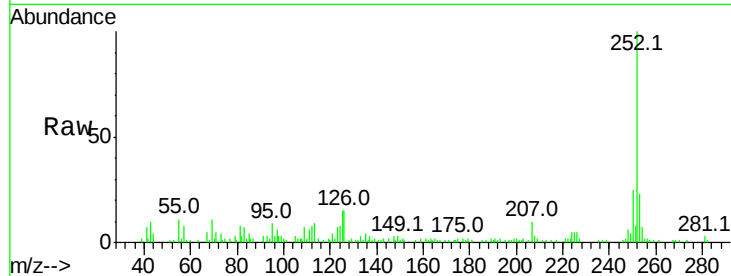




#88
Benzo(k)fluoranthene
Concen: 3.369 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Instrument :
BNA_F
ClientSampleId :
CV-RB26667RT

Tot Ion:252 Resp: 62409
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 14.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.025 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF104320.D
Acq: 6 Apr 2018 21:56

Tgt Ion:252 Resp: 35543
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 16.1 9.8 14.6#

