

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104562.D
 Acq On : 17 Apr 2018 15:45
 Operator : JU/SJ
 Sample : J2394-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

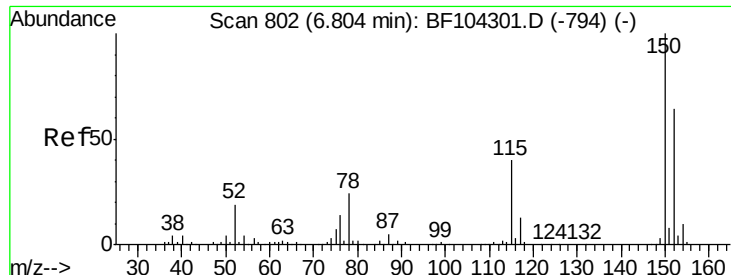
Quant Time: Apr 17 17:09:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129908	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	541453	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247781	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	426955	20.00	ng	0.00
75) Chrysene-d12	13.97	240	257992	20.00	ng	0.00
86) Perylene-d12	15.44	264	282579	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	152053	17.90	ng	0.00
7) Phenol-d6	6.44	99	677402	64.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	669422	80.73	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	2892	1.13	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1156391	73.73	ng	0.00
78) Terphenyl-d14	12.92	244	957757	84.64	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	1594	Below Cal		86
10) Phenol	6.45	94	43881	3.962 ng		97
19) n-Nitroso-di-n-propylamine	7.37	70	92321	13.534 ng	#	72
25) Isophorone	7.37	82	669501	38.182 ng	#	64
49) Dimethylphthalate	9.56	163	201025	10.288 ng		100
55) 4-Nitrophenol	10.05	139	7095	2.134 ng	#	19
64) 4,6-Dinitro-2-methylphenol	10.67	198	310	7.473 ng	#	1
70) Phenanthrene	11.36	178	195949	8.241 ng		97
73) Di-n-butylphthalate	11.89	149	63433	2.199 ng		99
74) Fluoranthene	12.55	202	202191	8.139 ng		97
76) Benzidine	12.70	184	710	Below Cal	#	1
77) Pyrene	12.77	202	183975	9.620 ng		99
80) Benzo(a)anthracene	13.96	228	73013	4.737 ng		96
82) Chrysene	14.00	228	66372	4.192 ng		97
85) Indeno(1,2,3-cd)pyrene	16.88	276	46043	3.424 ng		96
87) Benzo(b)fluoranthene	15.02	252	110943	6.216 ng	#	91
88) Benzo(k)fluoranthene	15.02	252	110943	6.584 ng	#	93
89) Benzo(a)pyrene	15.37	252	65001	4.071 ng	#	93
91) Benzo(a,h,i)perylene	17.32	276	48749	3.837 ng		97

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

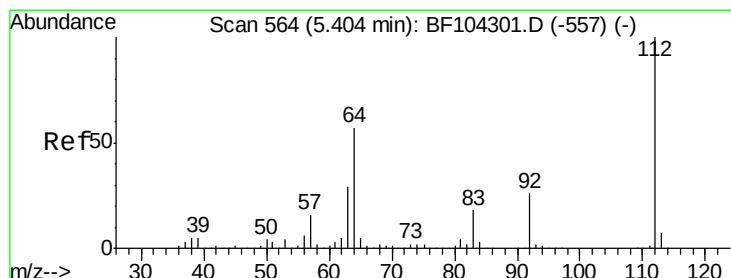
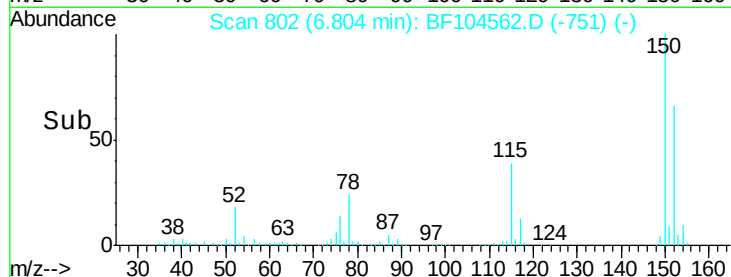
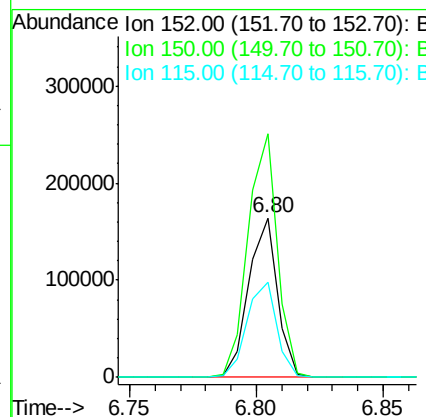
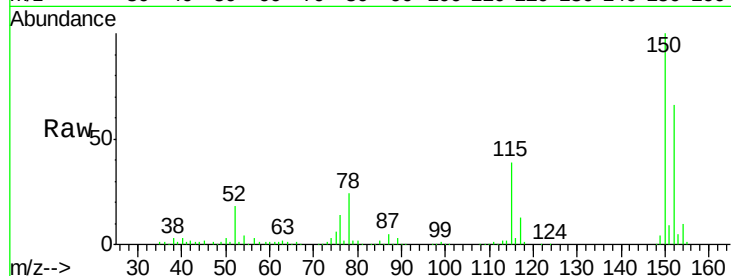


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :

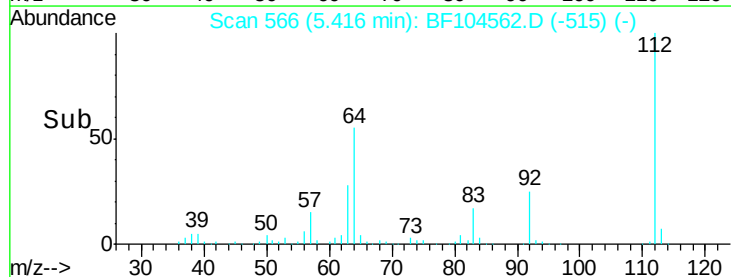
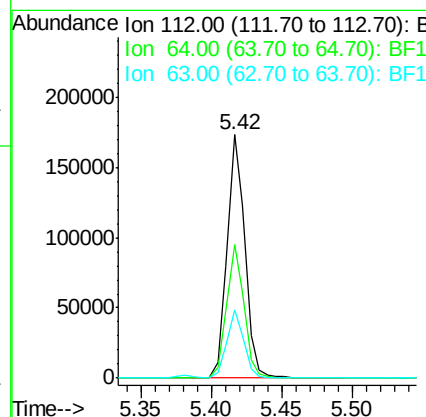
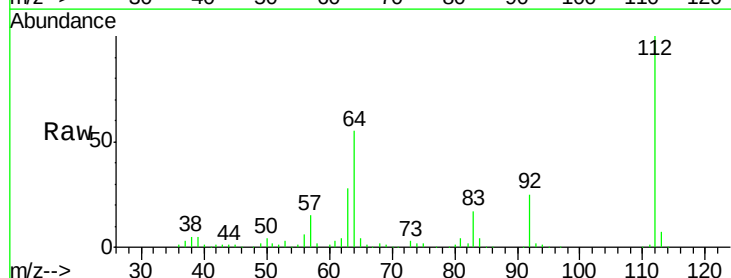
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	59.9	50.1	75.1

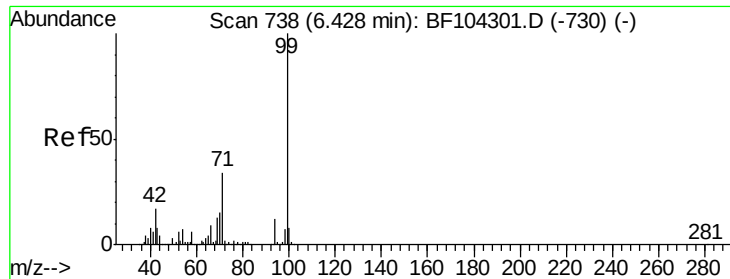


#5

2-Fluorophenol
Concen: 17.897 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 64.893 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampled :

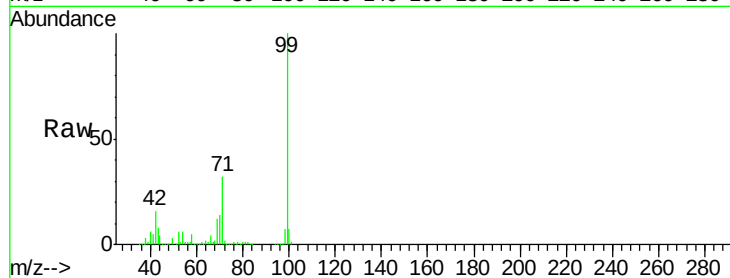
Tot Ion: 99 Resp: 677402

Ion Ratio Lower Upper

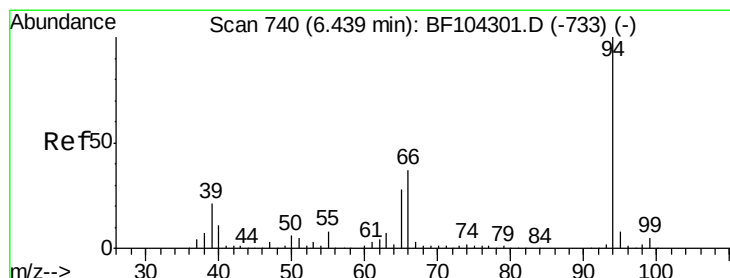
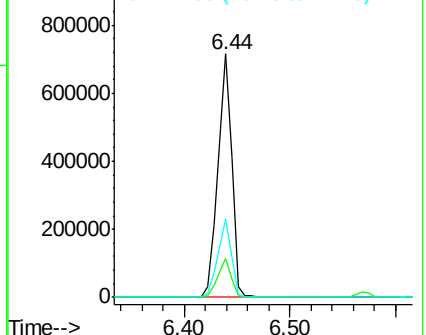
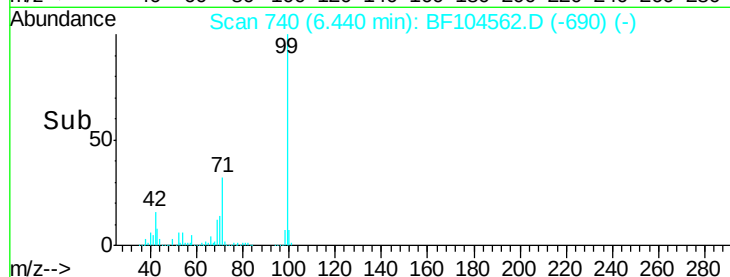
99 100

42 16.1 14.5 21.7

71 32.2 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: 3.962 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

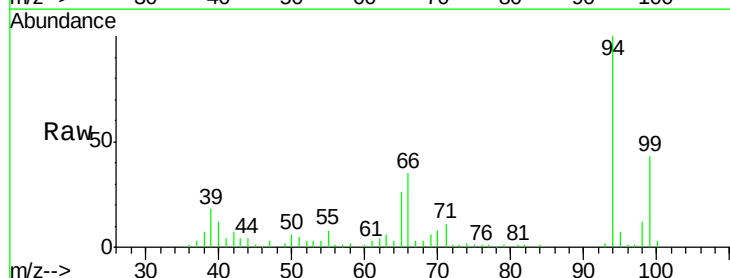
Tgt Ion: 94 Resp: 43881

Ion Ratio Lower Upper

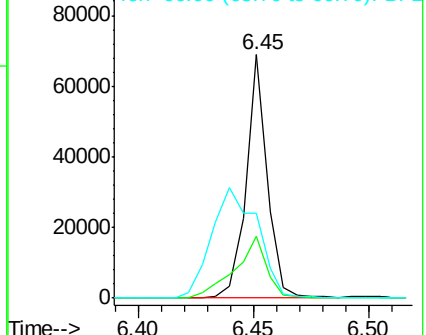
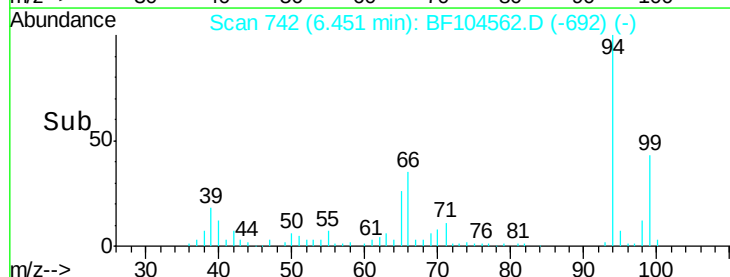
94 100

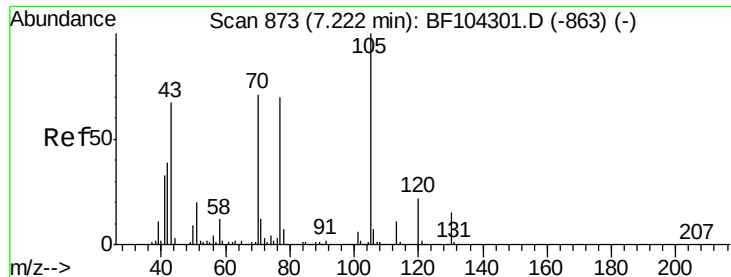
65 25.6 7.9 47.9

66 34.6 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

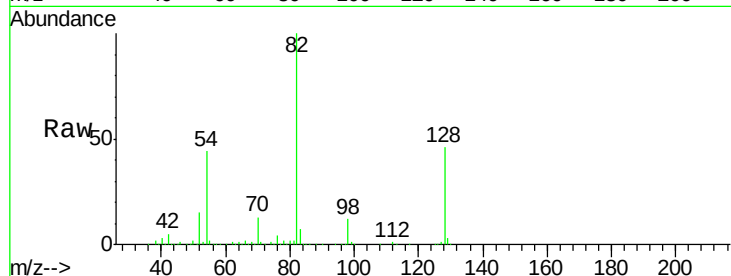




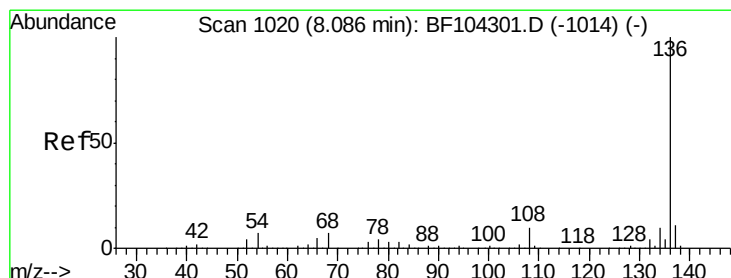
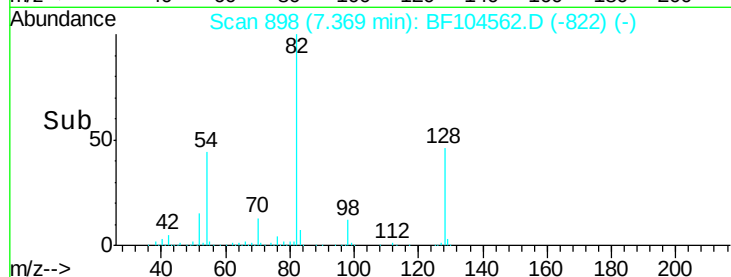
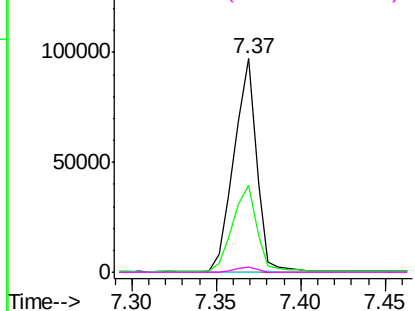
#19
n-Nitroso-di-n-propylamine
Concen: 13.534 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 92321
Ion Ratio Lower Upper
70 100
42 40.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

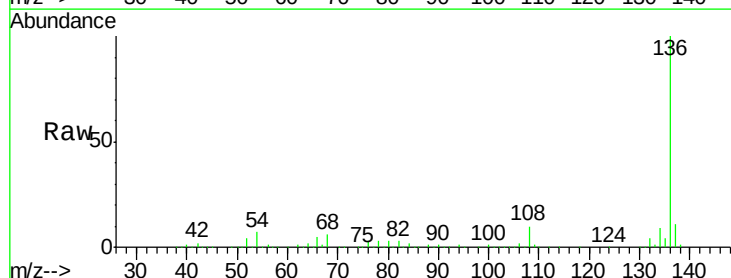


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

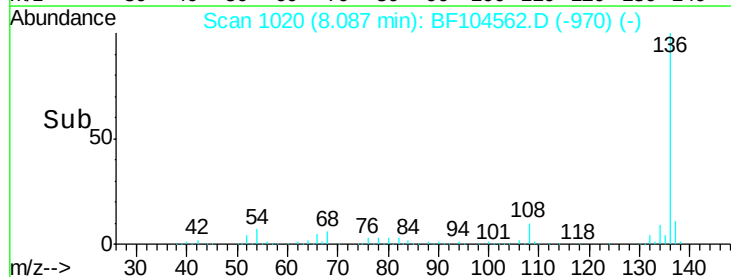
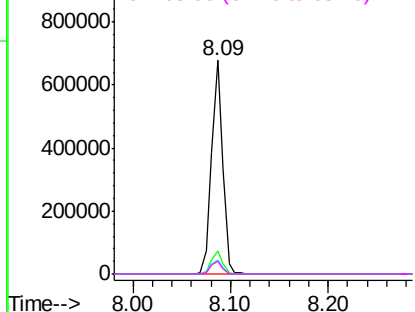


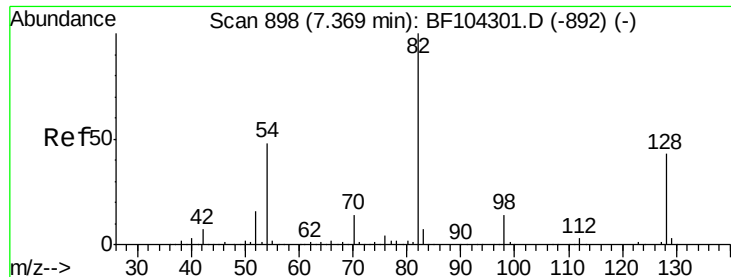
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion: 136 Resp: 541453
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.9 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

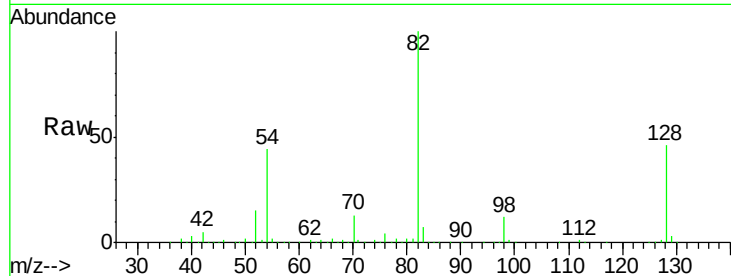




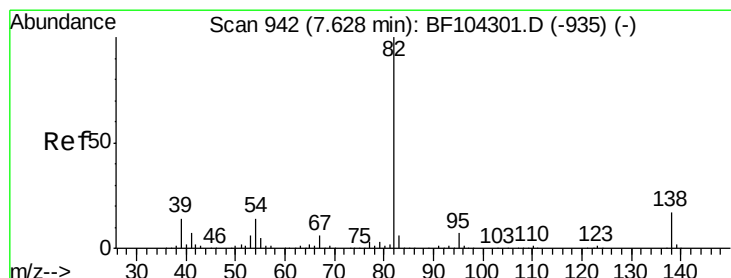
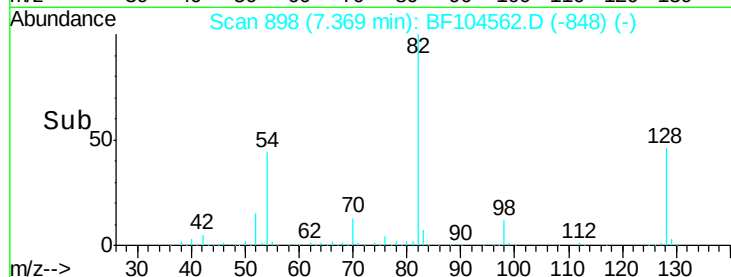
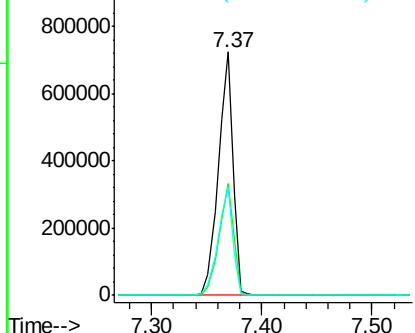
#23
Nitrobenzene-d5
Concen: 80.731 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 669422
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 44.3 41.4 62.2

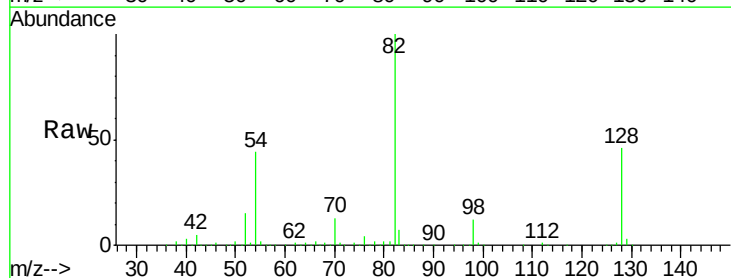


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

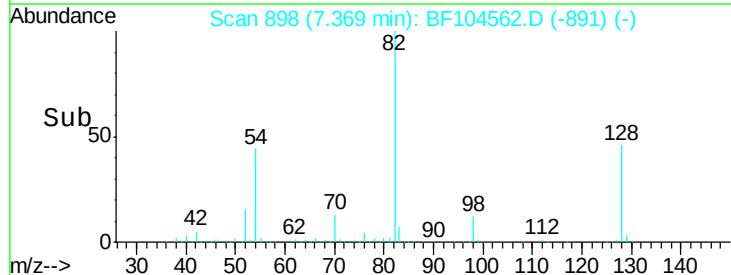
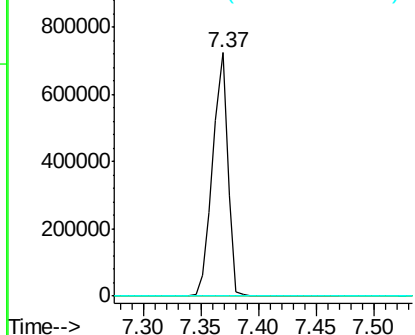


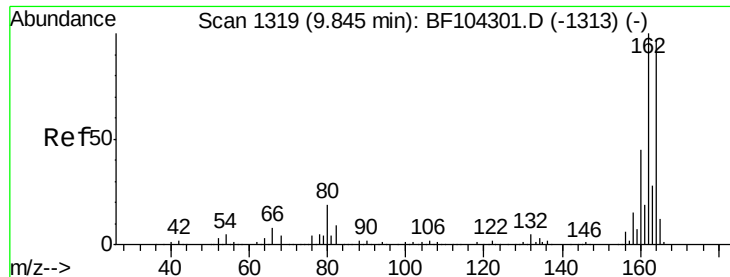
#25
Isophorone
Concen: 38.182 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion: 82 Resp: 669501
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

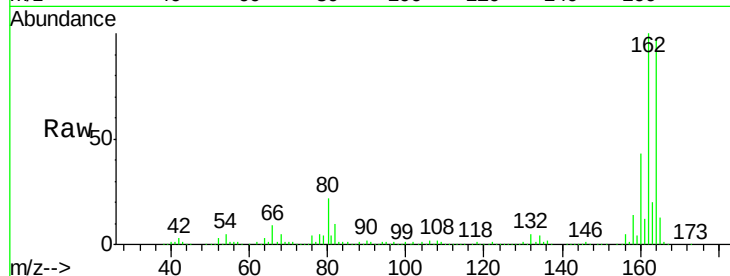




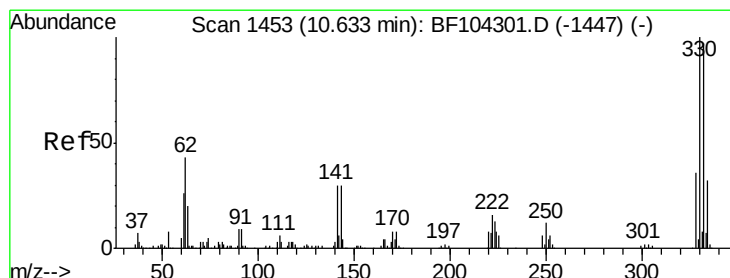
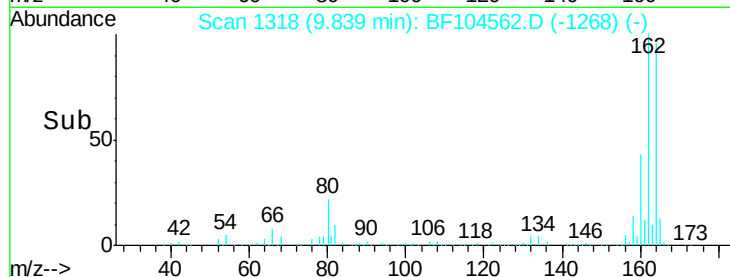
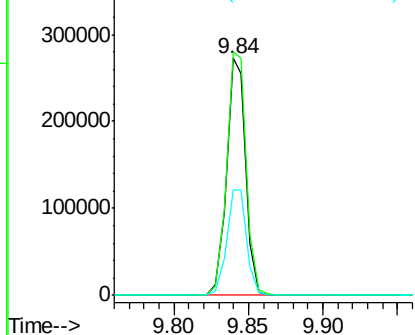
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104562.D
 Acq: 17 Apr 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 247781
 Ion Ratio Lower Upper
 164 100
 162 102.8 86.1 129.1
 160 44.5 38.3 57.5

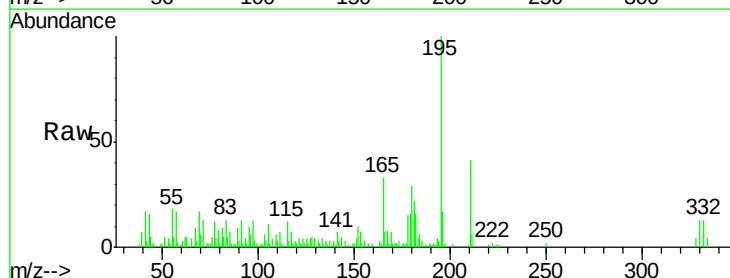


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

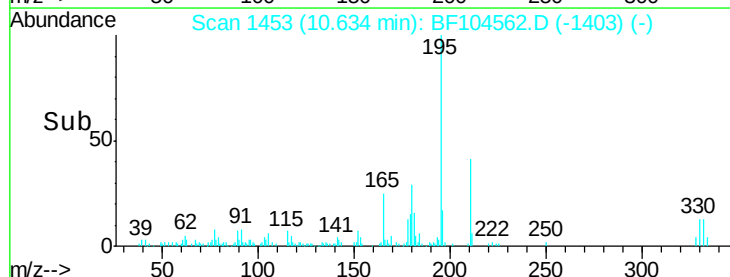
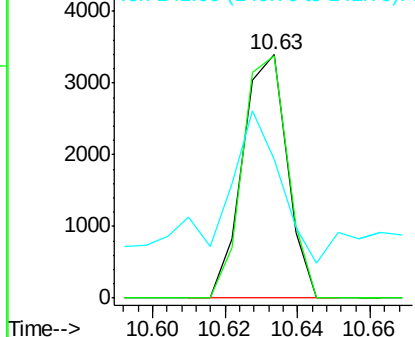


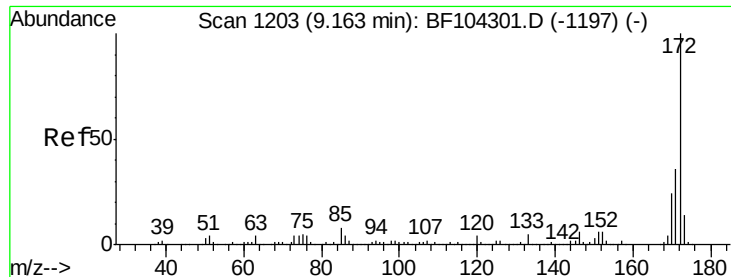
#41
 2,4,6-Tribromophenol
 Concen: 1.125 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104562.D
 Acq: 17 Apr 2018 15:45

Tgt Ion:330 Resp: 2892
 Ion Ratio Lower Upper
 330 100
 332 100.7 77.0 115.6
 141 83.8 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

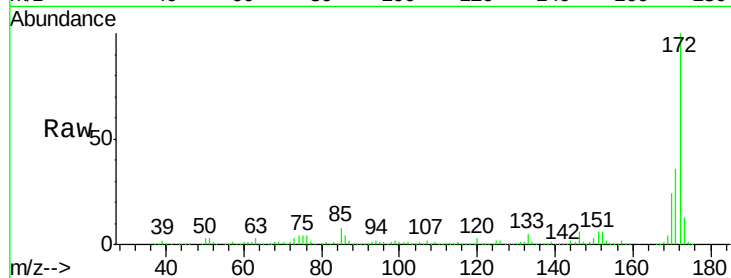




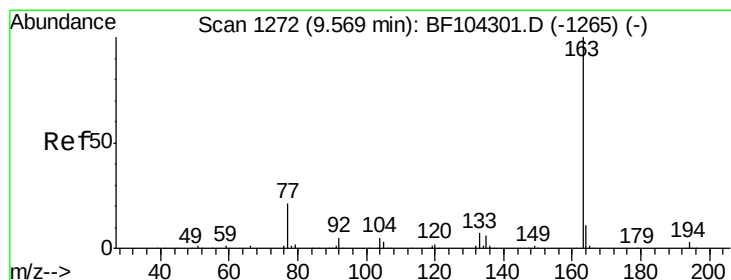
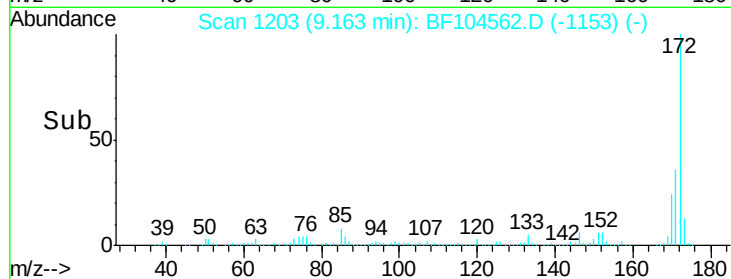
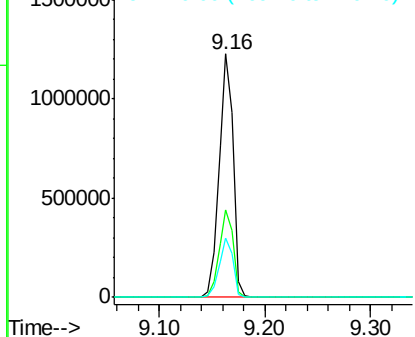
#44
2-Fluorobiphenyl
Concen: 73.727 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1156391
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4

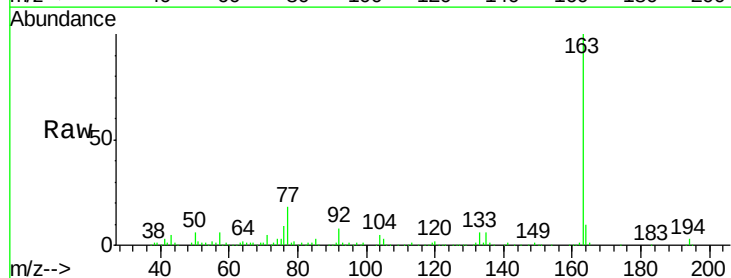


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

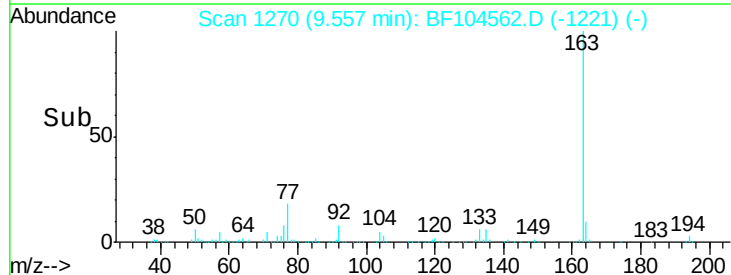
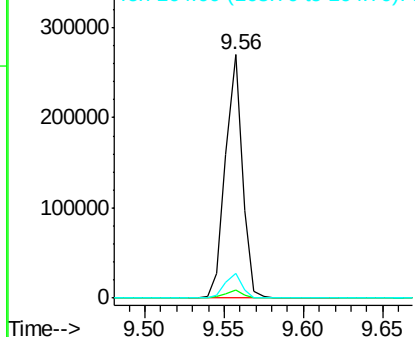


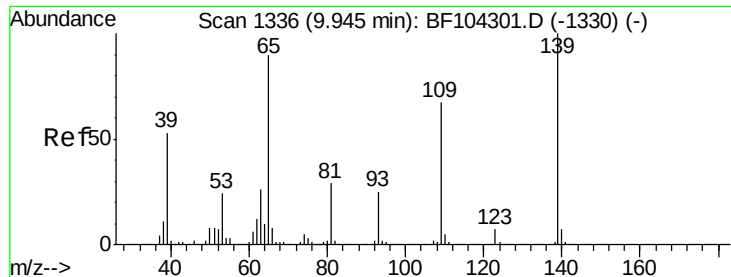
#49
Dimethylphthalate
Concen: 10.288 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion:163 Resp: 201025
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 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

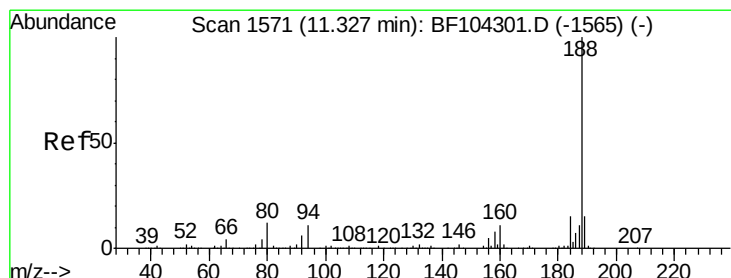
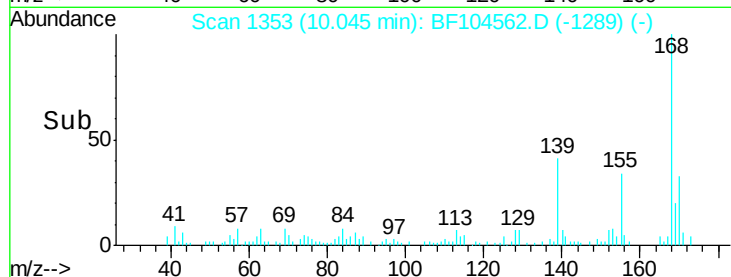
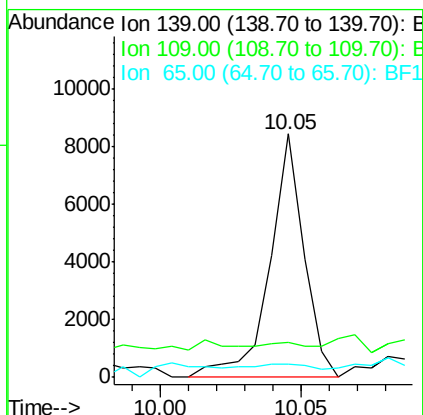
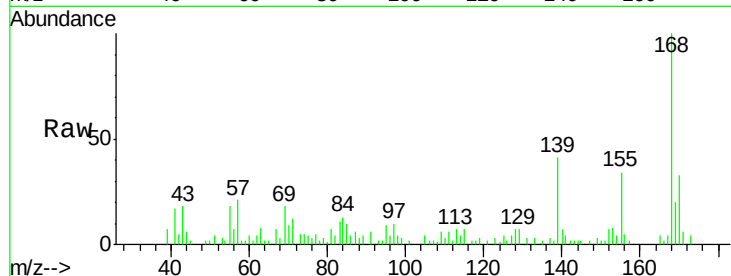




#55
4-Nitrophenol
Concen: 2.134 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.08 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

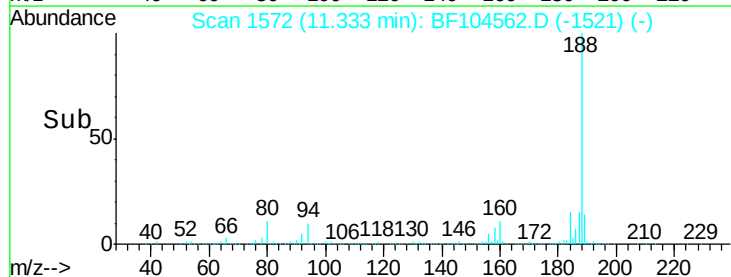
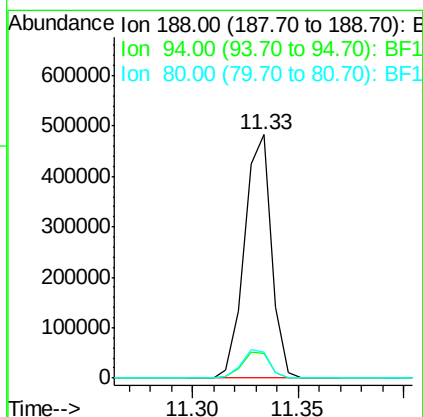
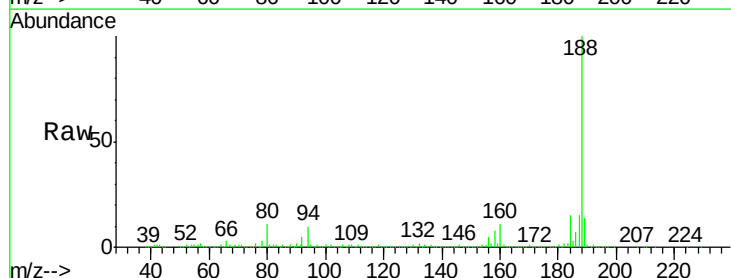
Instrument :
BNA_F
ClientSampled :

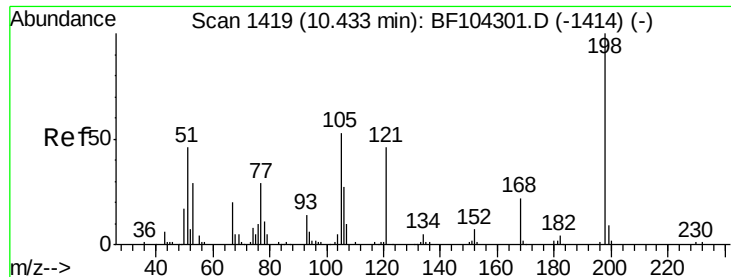
Tot Ion:139 Resp: 7095
Ion Ratio Lower Upper
139 100
109 14.2 48.4 88.4#
65 5.5 72.6 112.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion:188 Resp: 426955
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.6 9.2 13.8

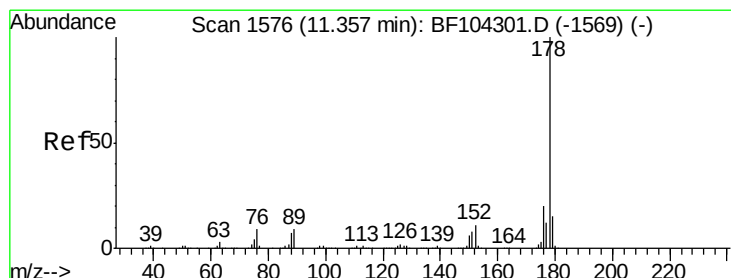
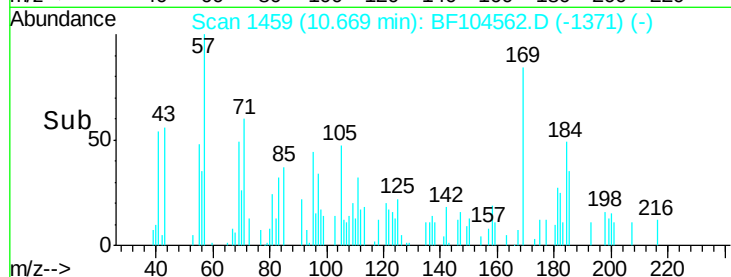
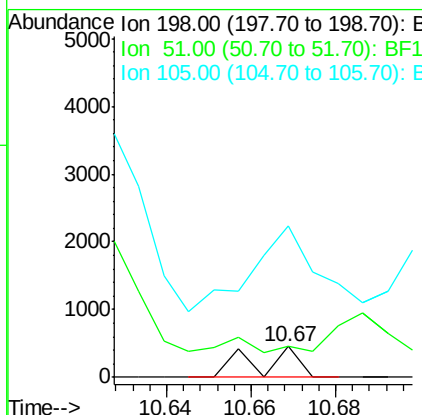
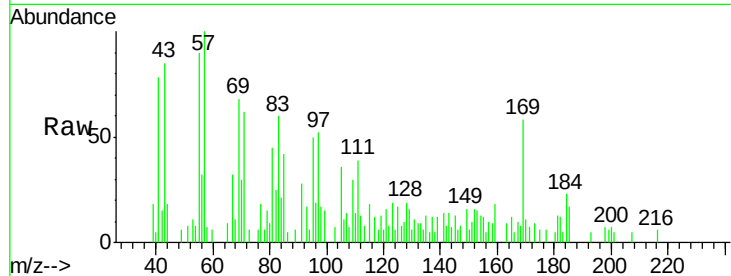




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.473 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.22 min
 Lab File: BF104562.D
 Acq: 17 Apr 2018 15:45

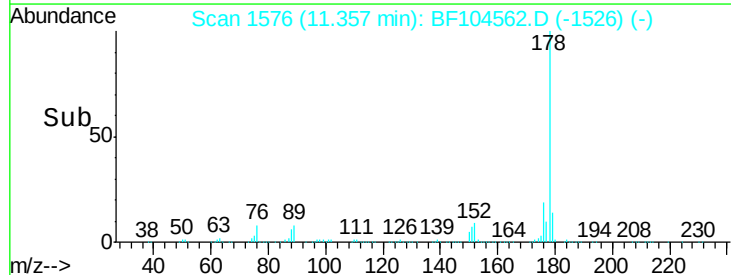
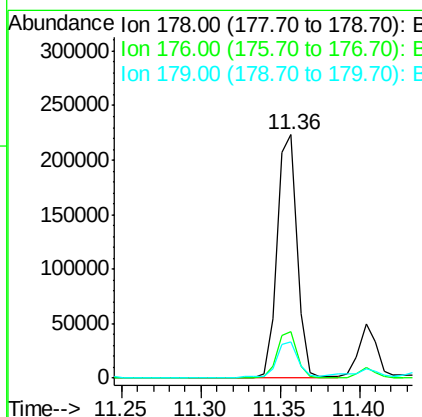
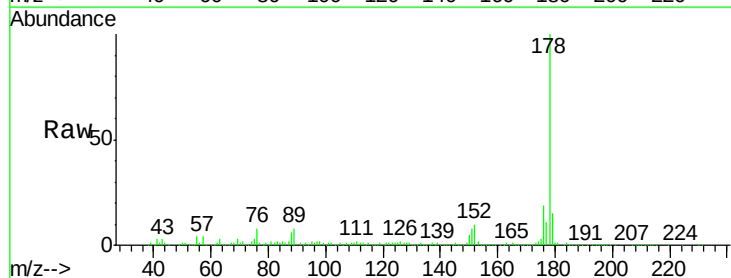
Instrument :
 BNA_F
 ClientSampled :

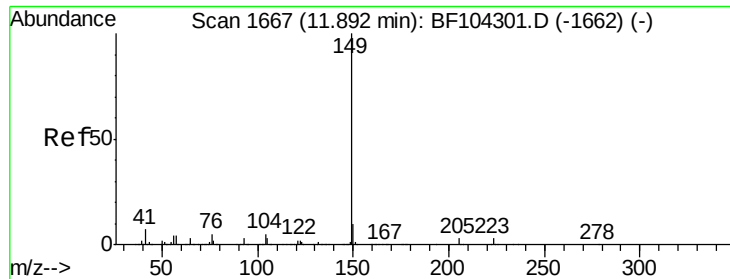
Tot Ion:198 Resp: 310
 Ion Ratio Lower Upper
 198 100
 51 101.1 37.7 77.7#
 105 489.5 36.3 76.3#



#70
 Phenanthrene
 Concen: 8.241 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104562.D
 Acq: 17 Apr 2018 15:45

Tgt Ion:178 Resp: 195949
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.7 13.0 19.6





#73

Di-n-butylphthalate

Concen: 2.199 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampleId :

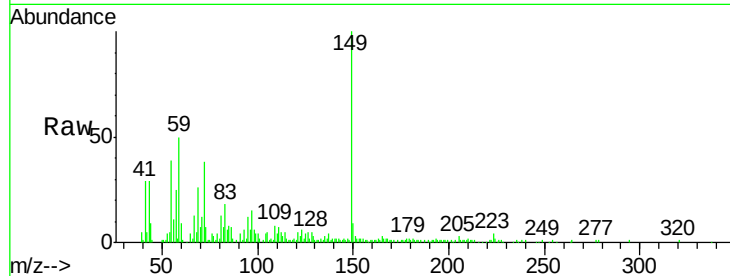
Tot Ion:149 Resp: 63433

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

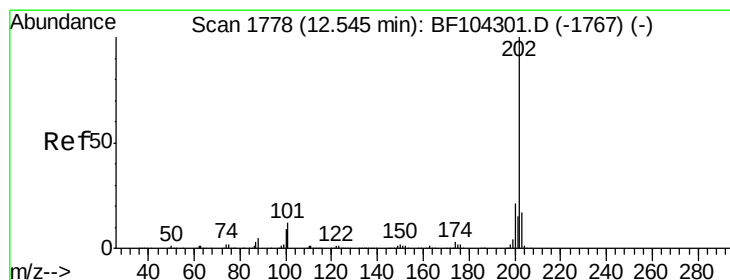
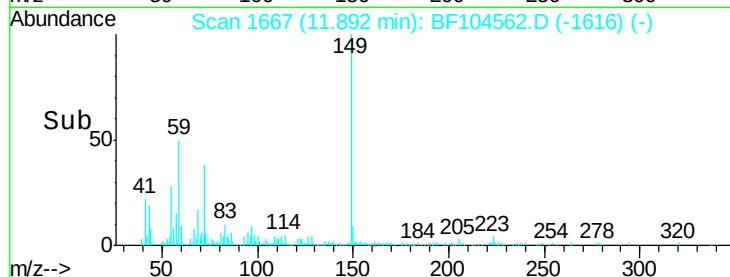
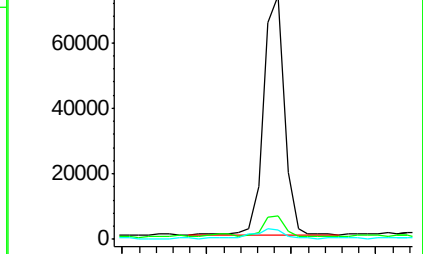
104 3.9 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 8.139 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

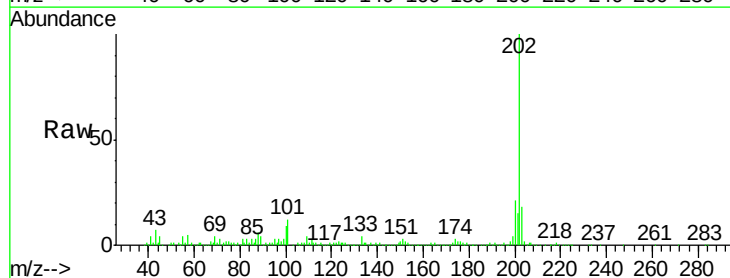
Tgt Ion:202 Resp: 202191

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

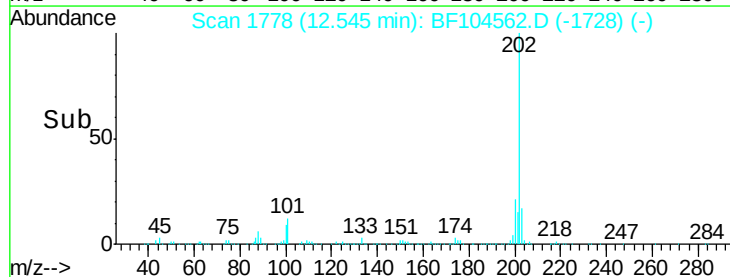
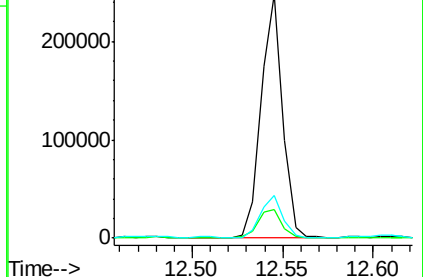
203 17.6 0.0 38.1

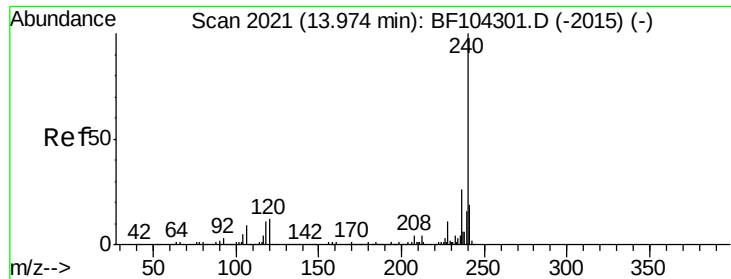


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampleId :

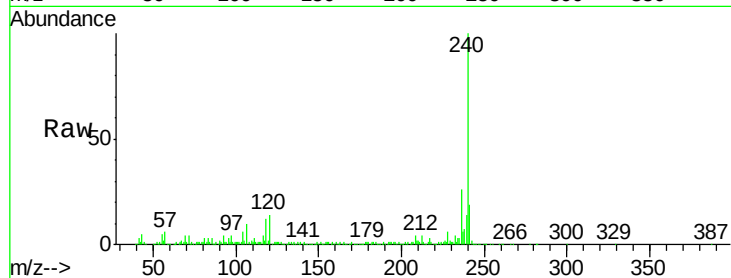
Tot Ion:240 Resp: 257992

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

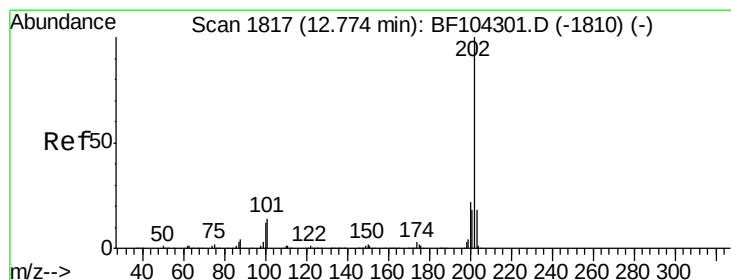
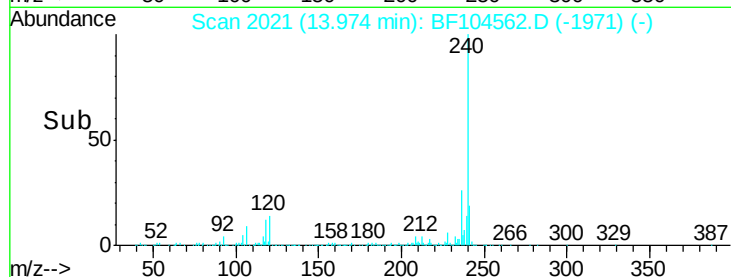
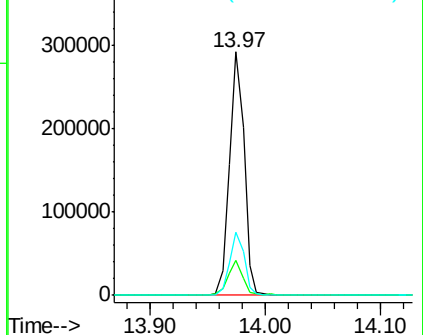
236 26.0 20.7 31.1



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

Pyrene

Concen: 9.620 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

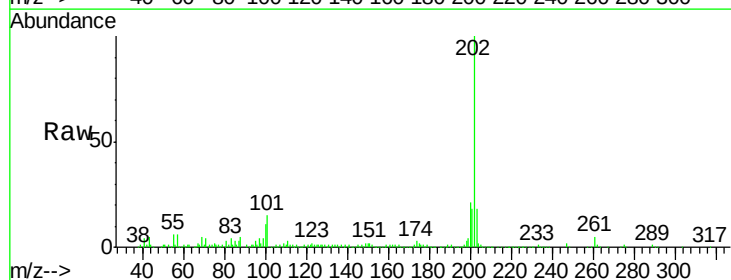
Tgt Ion:202 Resp: 183975

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

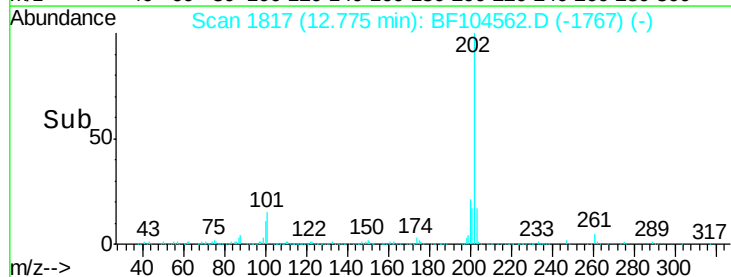
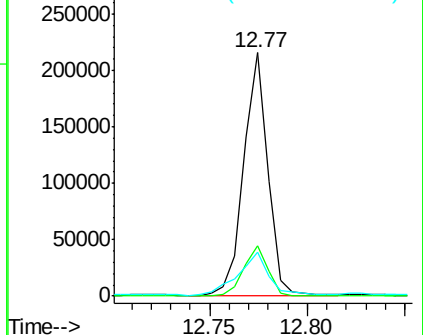
203 17.9 14.3 21.5

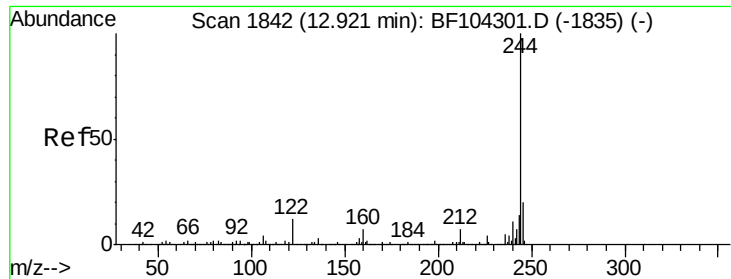


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.635 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampled :

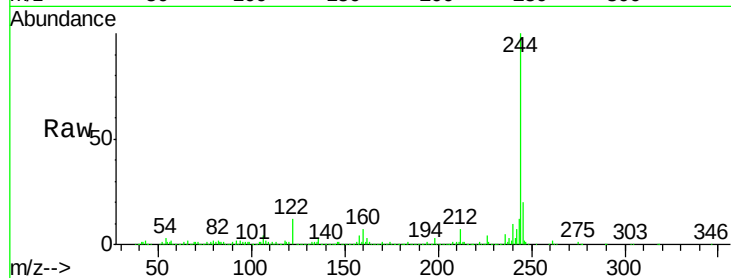
Tot Ion:244 Resp: 957757

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

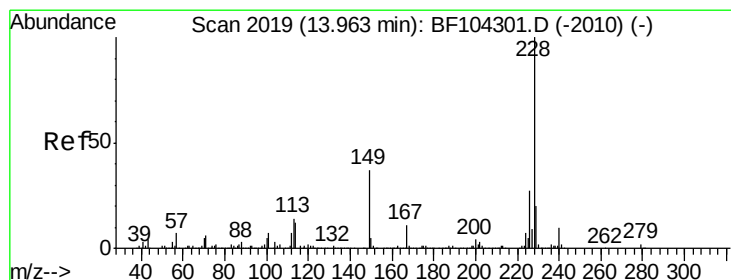
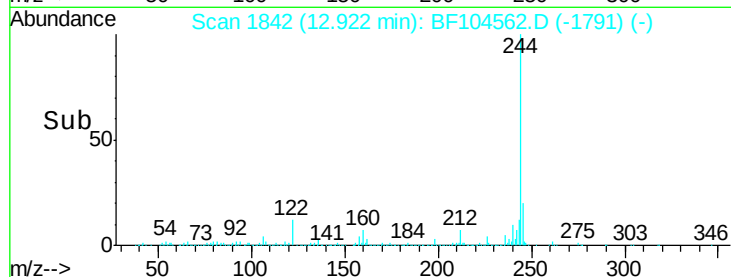
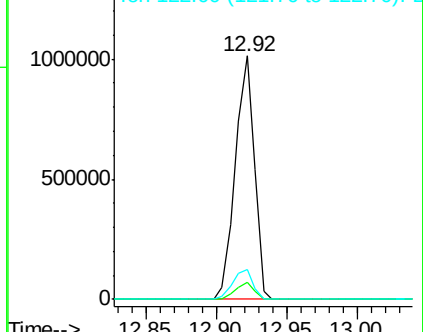
122 12.4 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 4.737 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

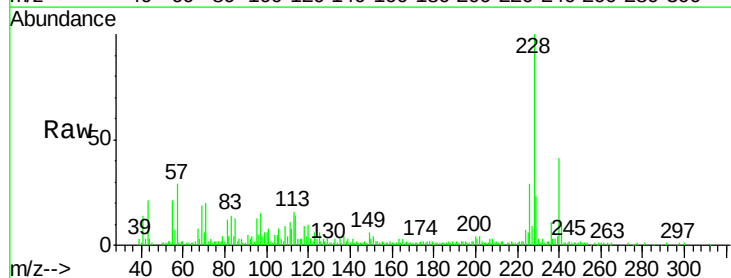
Tgt Ion:228 Resp: 73013

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

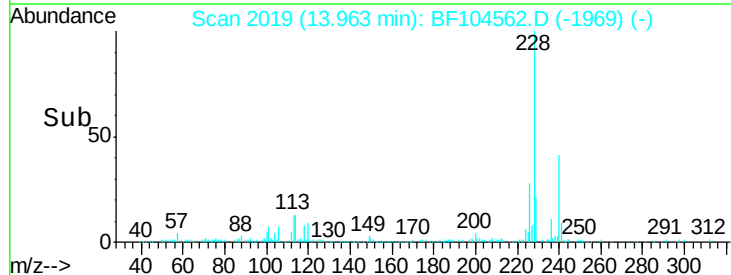
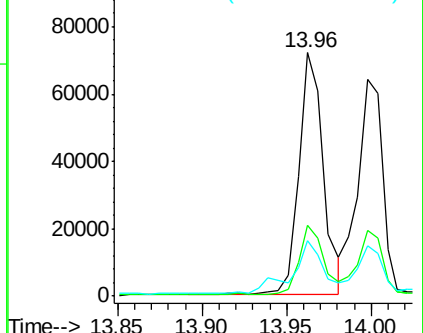
229 22.7 15.8 23.6

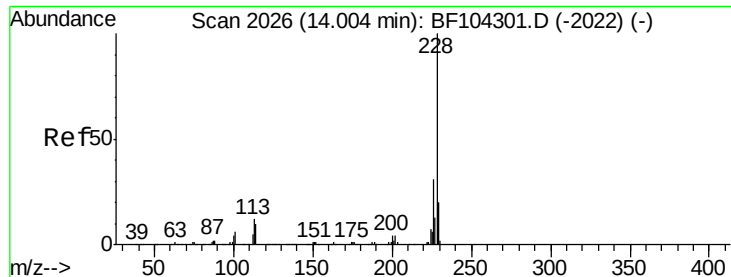


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.192 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampleId :

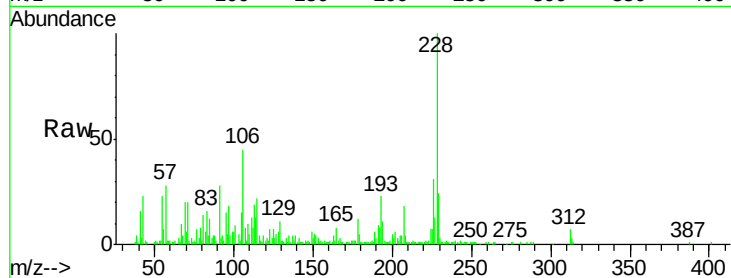
Tot Ion:228 Resp: 66372

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

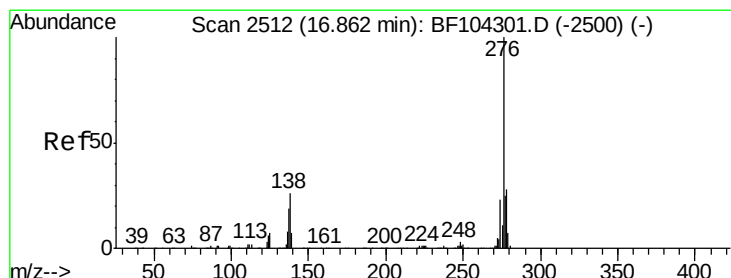
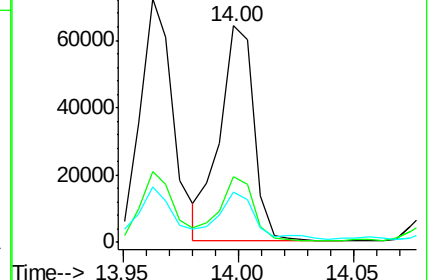
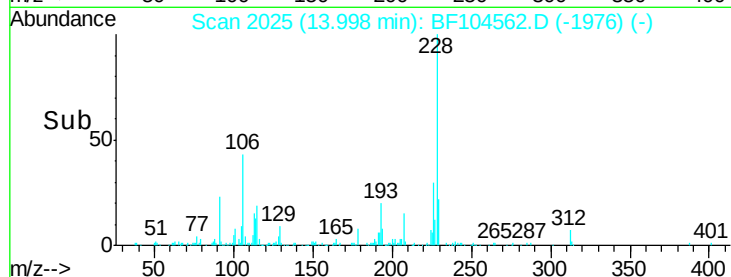
229 23.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.424 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

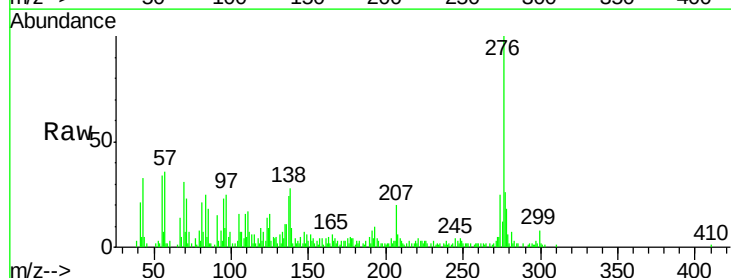
Tgt Ion:276 Resp: 46043

Ion Ratio Lower Upper

276 100

138 27.5 25.0 37.6

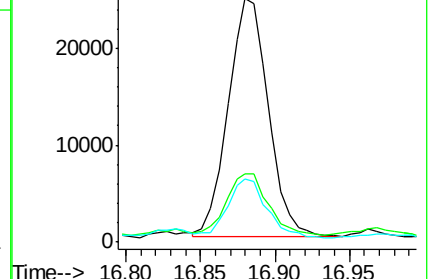
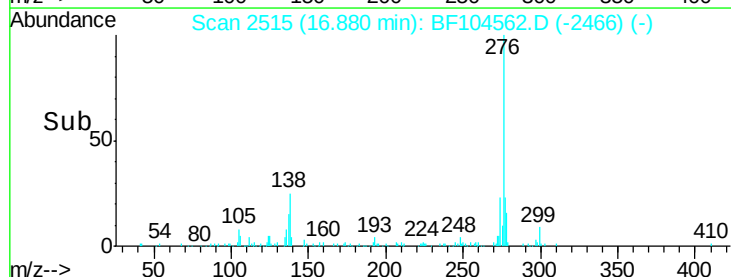
277 24.6 20.1 30.1

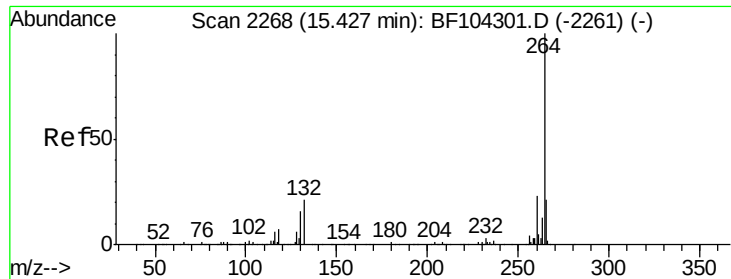


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

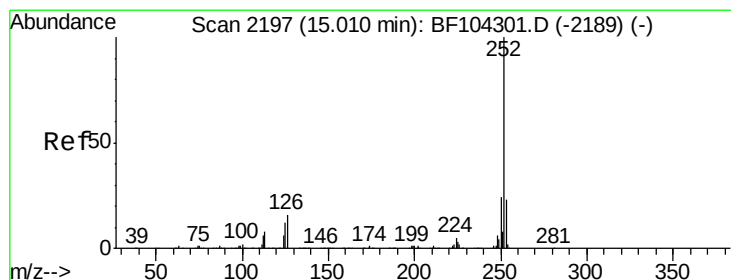
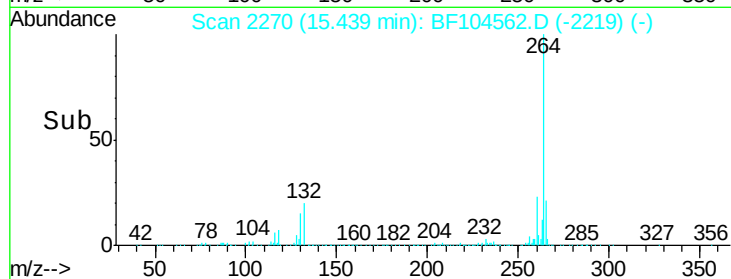
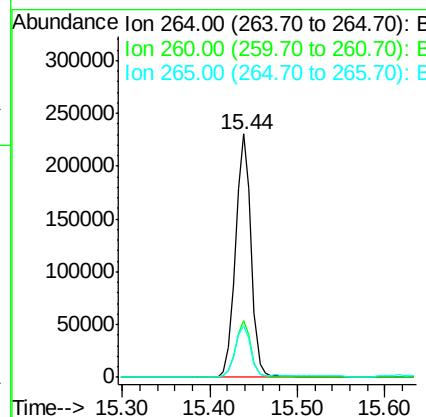
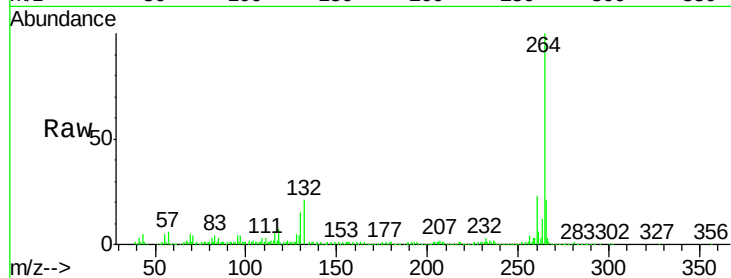




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

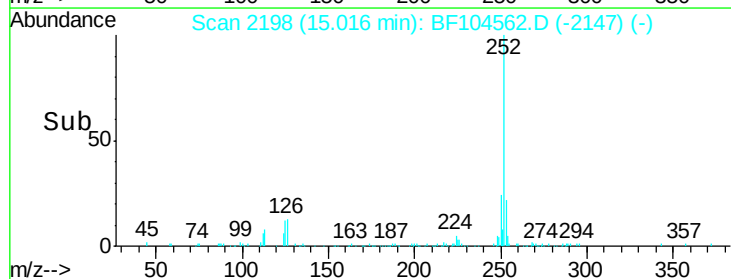
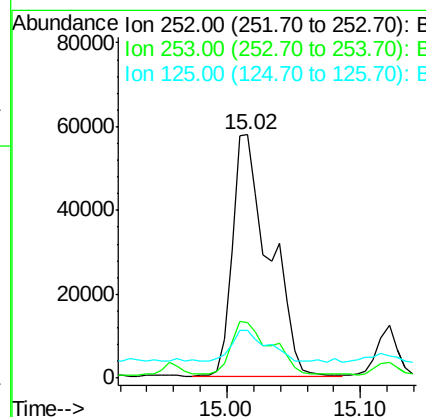
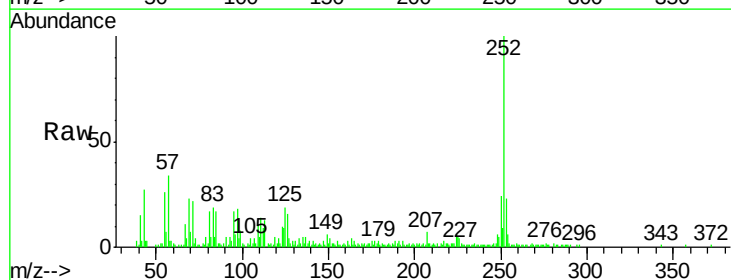
Instrument :
BNA_F
ClientSampleId :

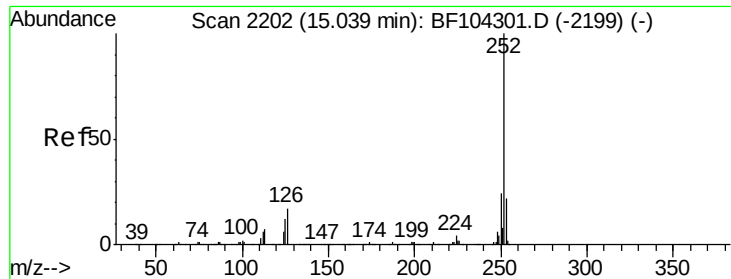
Tot Ion:264 Resp: 282579
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.216 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion:252 Resp: 110943
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 19.4 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 6.584 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampleId :

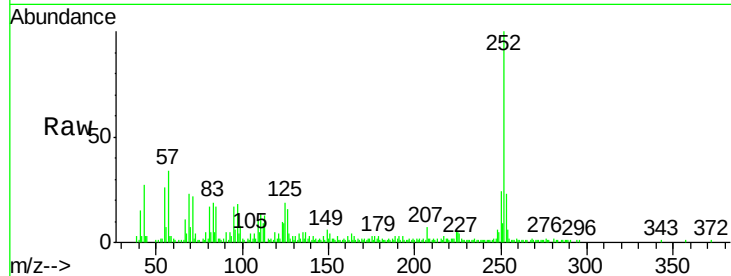
Tot Ion:252 Resp: 110943

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

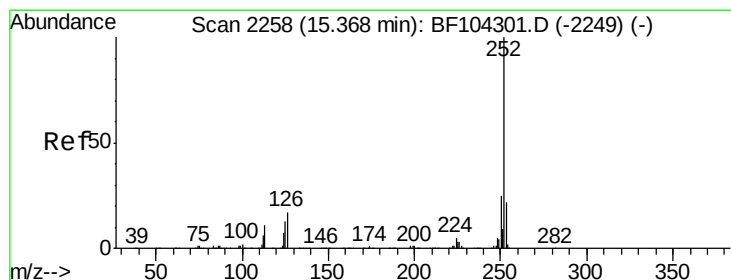
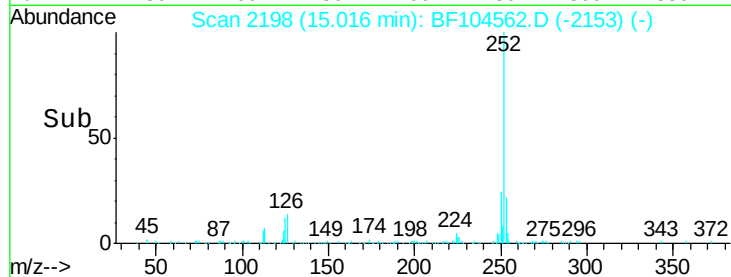
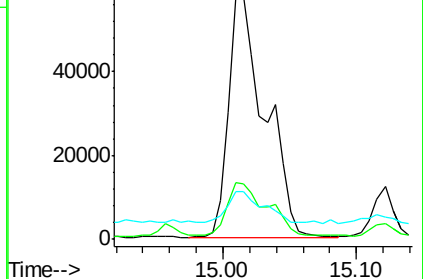
125 19.4 10.2 15.2#



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



#89

Benzo(a)pyrene

Concen: 4.071 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

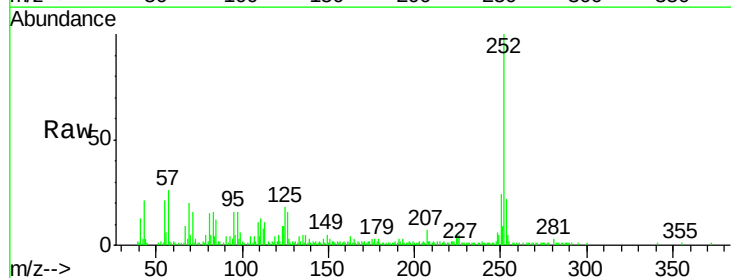
Tgt Ion:252 Resp: 65001

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

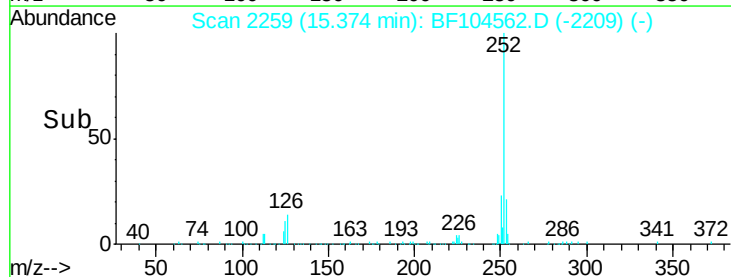
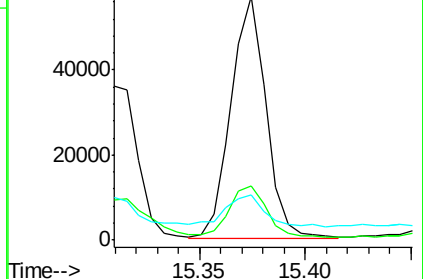
125 18.5 9.8 14.6#

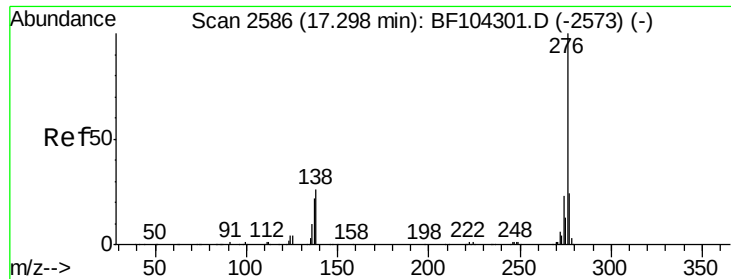


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.837 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

ClientSampleId :

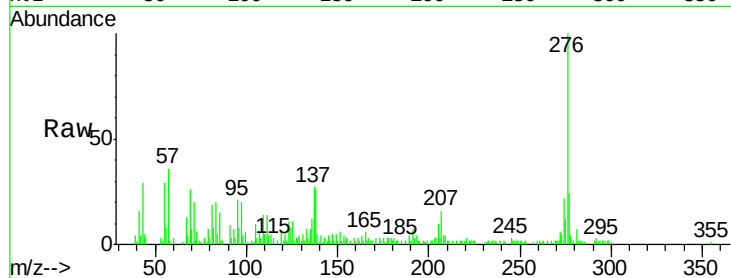
Tot Ion: 276 Resp: 48749

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 25.5 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

