

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104574.D
 Acq On : 17 Apr 2018 21:03
 Operator : JU/SJ
 Sample : J2387-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:52:11 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	138768	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	532176	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	212519	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	345546	20.00	ng	0.00
75) Chrysene-d12	13.98	240	293077	20.00	ng	0.00
86) Perylene-d12	15.44	264	256734	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	789987	87.05	ng	0.00
7) Phenol-d6	6.45	99	952429	85.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	564097	69.21	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	181486	82.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	843844	62.73	ng	0.00
78) Terphenyl-d14	12.92	244	681430	53.01	ng	0.00

Target Compounds

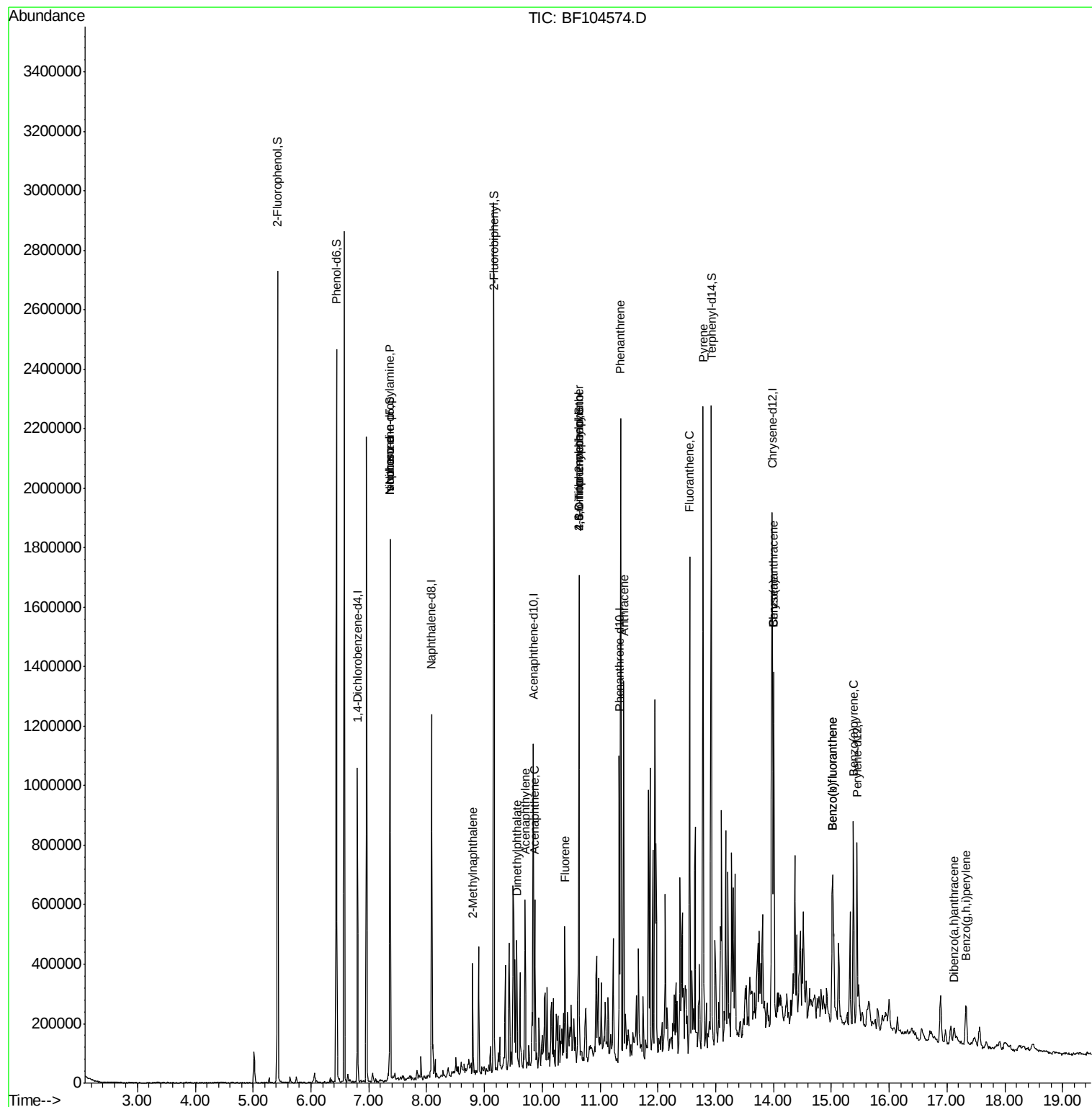
						Qvalue
9) Benzaldehyde	6.36	77	586	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	74056	10.163 ng	#	74
25) Isophorone	7.37	82	564091	32.731 ng	#	64
37) 2-Methylnaphthalene	8.80	142	93480	5.454 ng		97
48) Acenaphthylene	9.70	152	174565	7.890 ng		98
49) Dimethylphthalate	9.56	163	114435	6.828 ng		100
51) Acenaphthene	9.87	154	94793	7.022 ng		98
57) Fluorene	10.39	166	129704	9.472 ng		100
64) 4,6-Dinitro-2-methylphenol	10.63	198	340	7.518 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	11248	3.060 ng	#	1
70) Phenanthrene	11.36	178	817001	42.457 ng		99
71) Anthracene	11.41	178	447526	22.878 ng		99
74) Fluoranthene	12.55	202	594788	29.583 ng		98
76) Benzidine	12.92	184	9221	Below Cal		95
77) Pyrene	12.78	202	890942	41.012 ng		100
80) Benzo(a)anthracene	14.00	228	431963	24.671 ng		93
82) Chrysene	14.00	228	431963	24.019 ng		97
87) Benzo(b)fluoranthene	15.02	252	385563	23.778 ng	#	96
88) Benzo(k)fluoranthene	15.02	252	385563	25.187 ng		99
89) Benzo(a)pyrene	15.39	252	331804	22.870 ng		99
90) Dibenzo(a,h)anthracene	17.13	278	24797	2.081 ng		96
91) Benzo(g,h,i)perylene	17.33	276	98832	8.561 ng		96

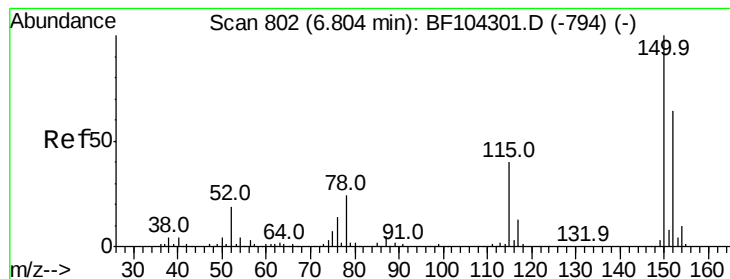
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

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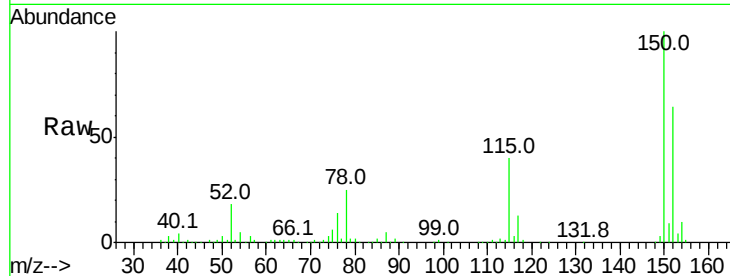


#1

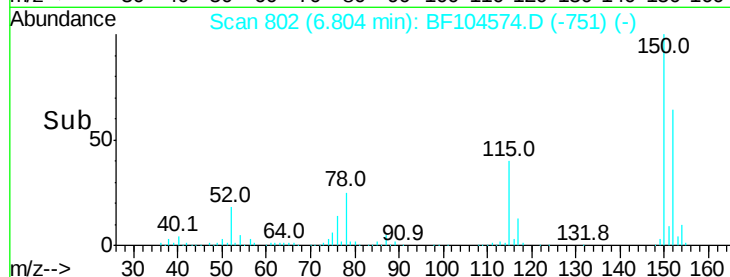
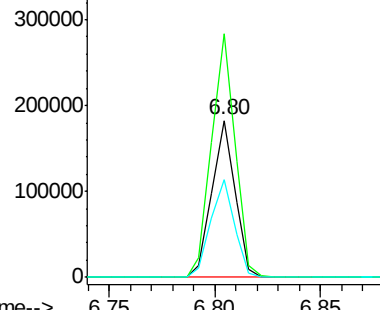
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138768
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 62.8 50.1 75.1



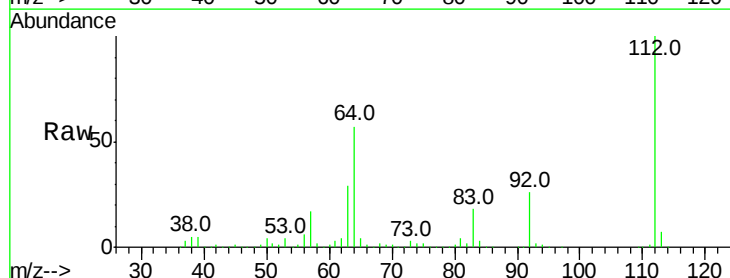
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



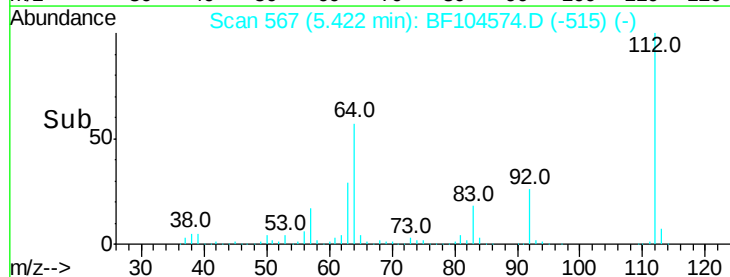
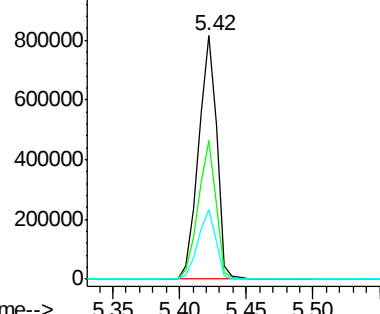
#5

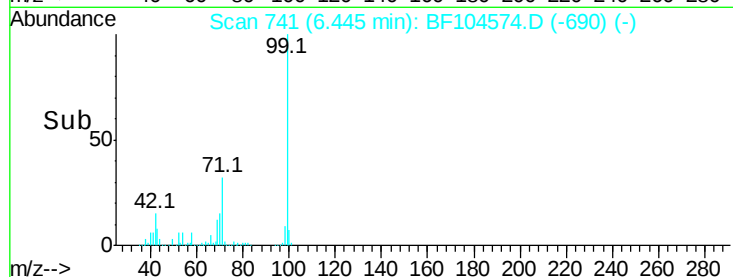
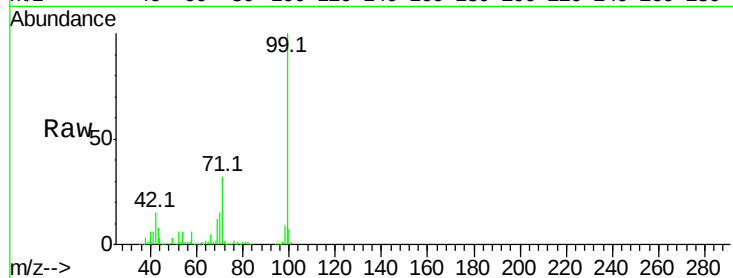
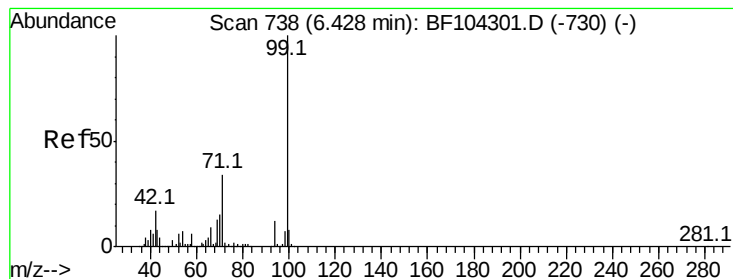
2-Fluorophenol
Concen: 87.047 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion:112 Resp: 789987
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 28.6 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: 85.414 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

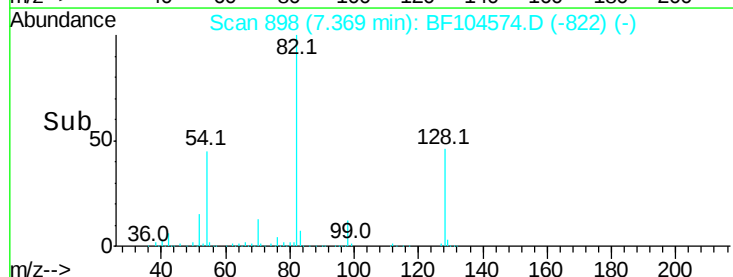
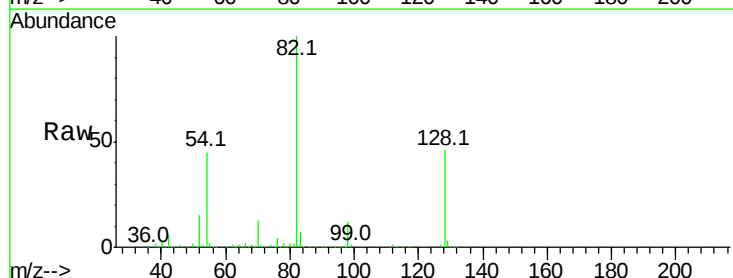
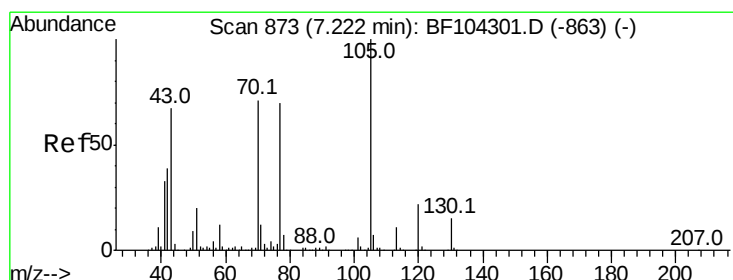
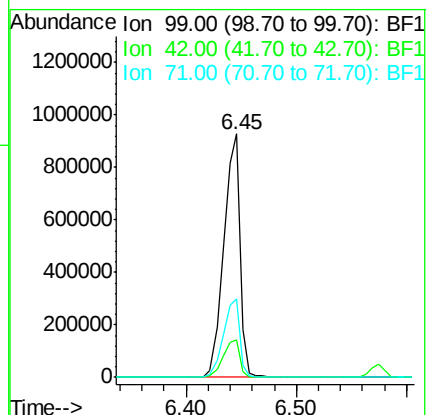
Tot Ion: 99 Resp: 952429

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.163 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion: 70 Resp: 74056

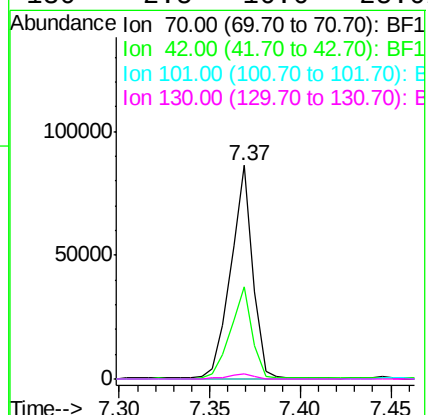
Ion Ratio Lower Upper

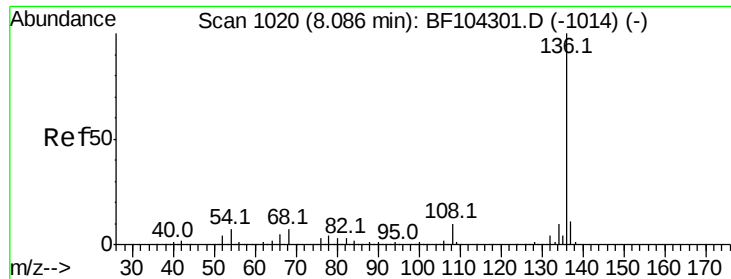
70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

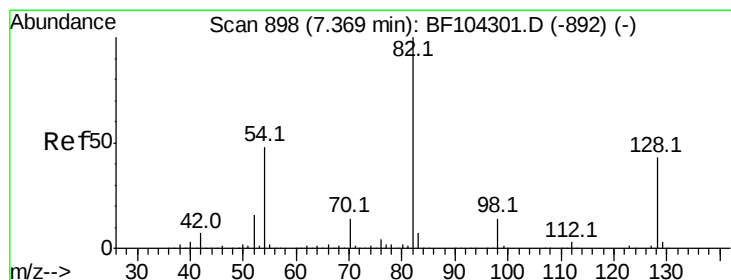
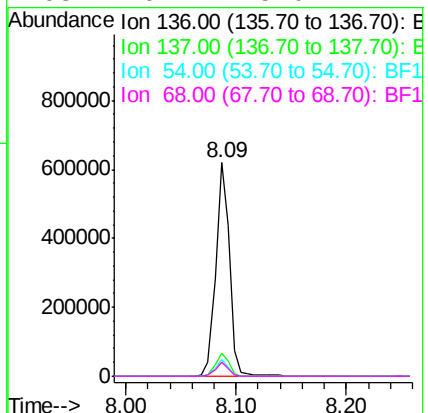
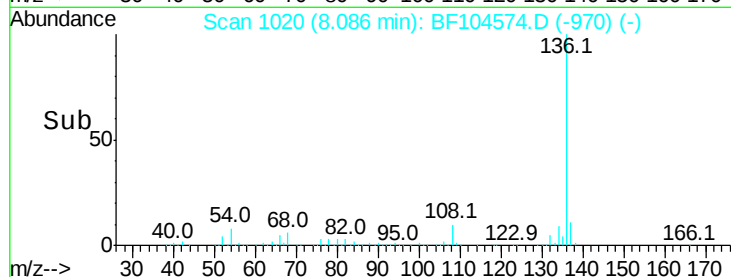
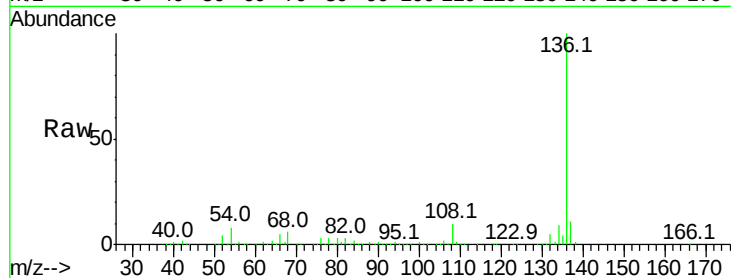




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

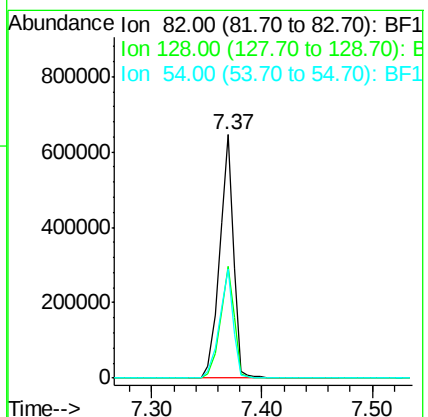
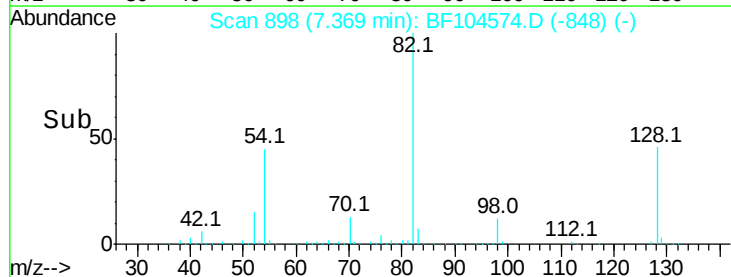
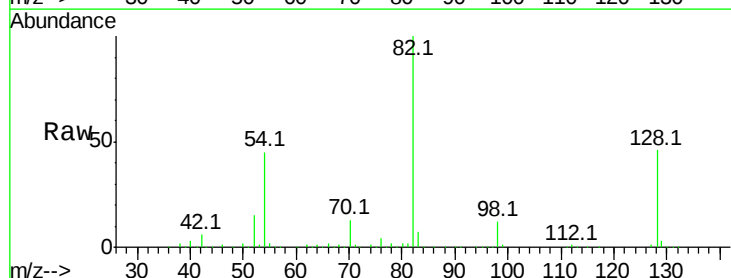
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	532176
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 69.215 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion:	82	Resp:	564097
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	44.9	41.4	62.2





#25

Isophorone

Concen: 32.731 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

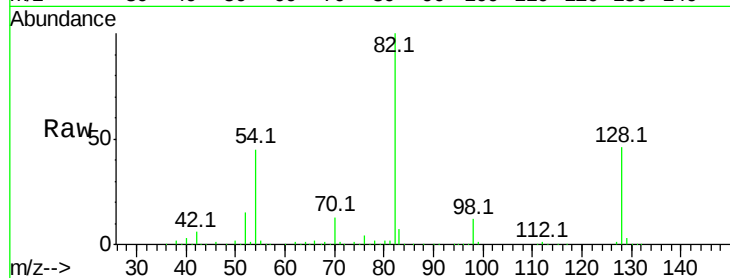
Tot Ion: 82 Resp: 564091

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

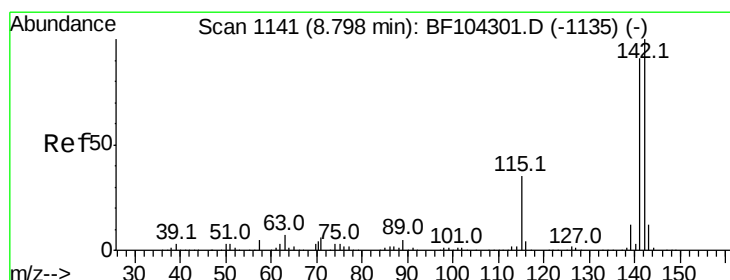
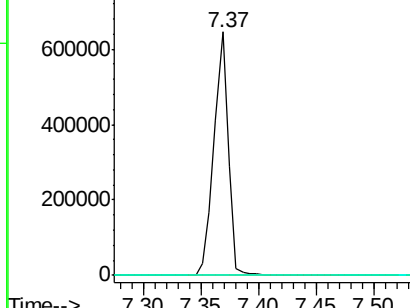
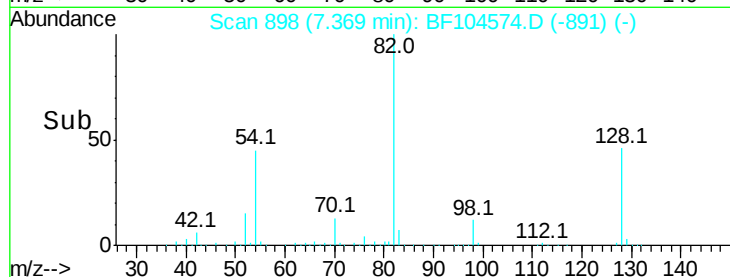
138 0.0 14.9 22.3#



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



#37

2-Methylnaphthalene

Concen: 5.454 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

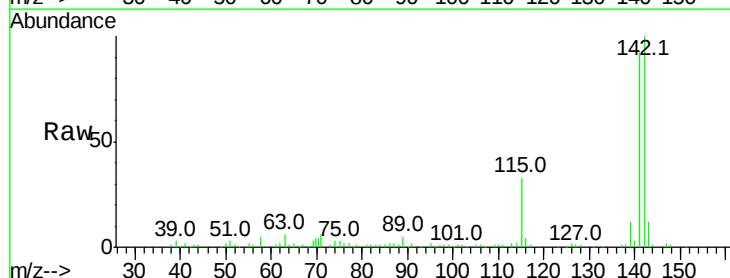
Tgt Ion: 142 Resp: 93480

Ion Ratio Lower Upper

142 100

141 92.0 70.8 106.2

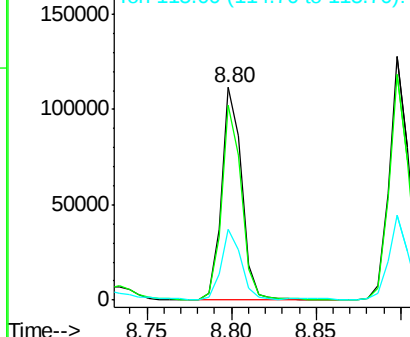
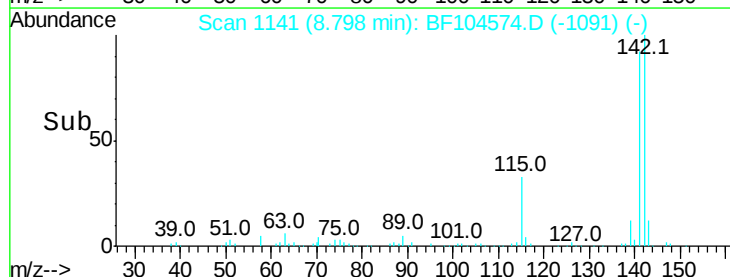
115 33.1 26.1 39.1

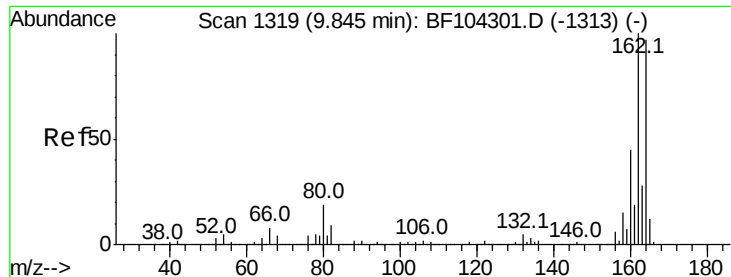


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

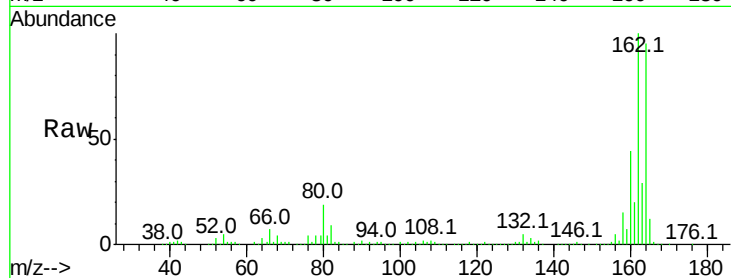
Tot Ion:164 Resp: 212519

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

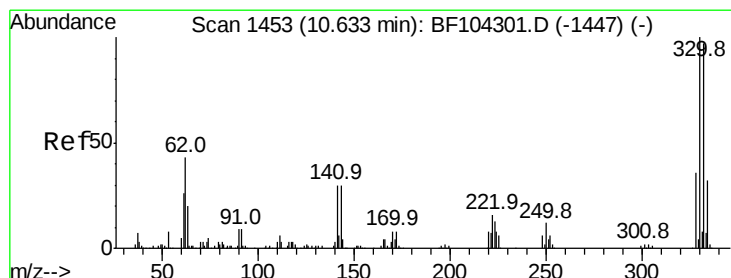
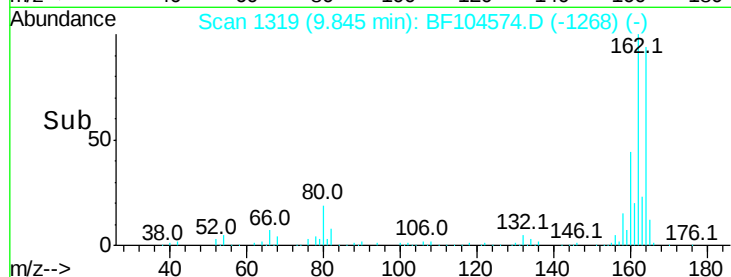
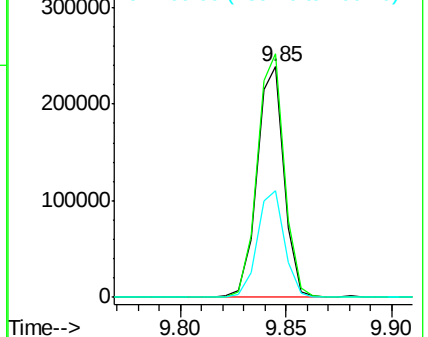
160 46.3 38.3 57.5



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: 82.325 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

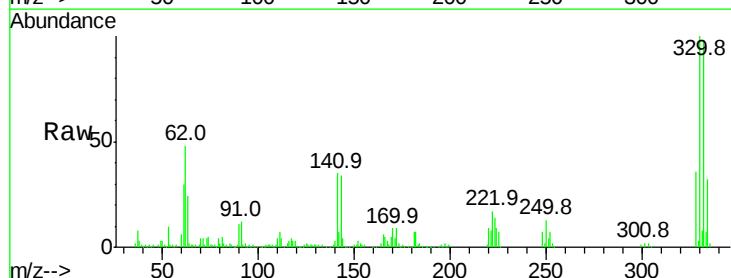
Tgt Ion:330 Resp: 181486

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

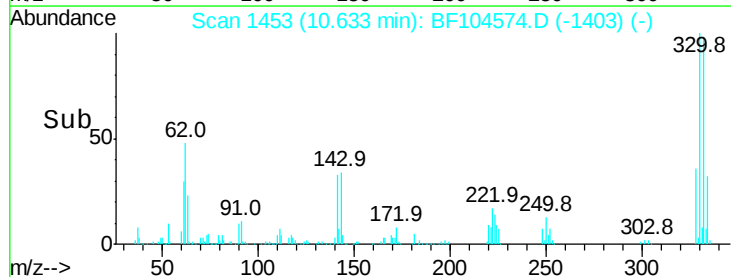
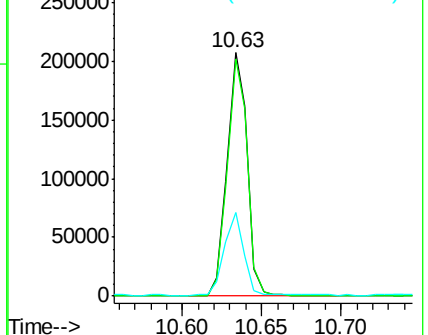
141 33.3 29.9 44.9



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

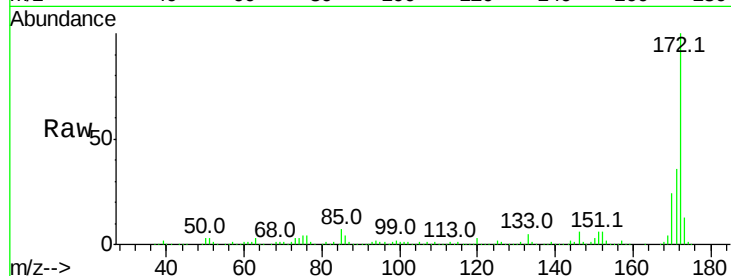




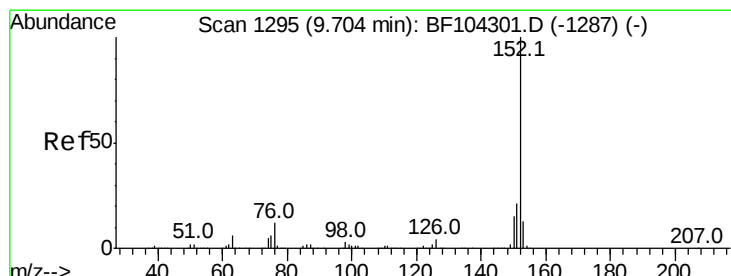
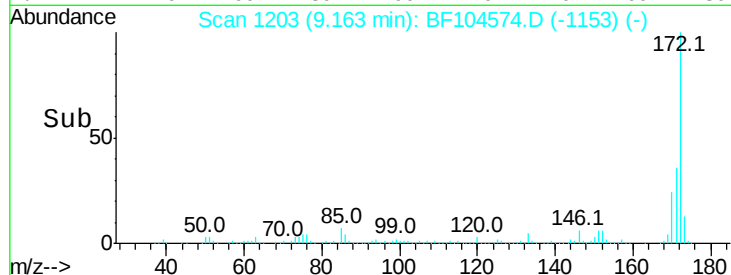
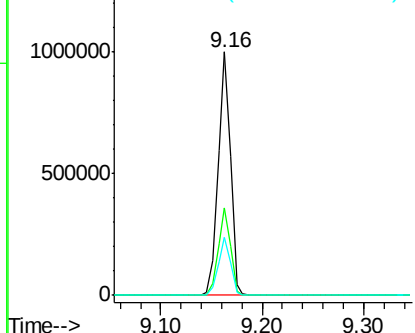
#44
2-Fluorobiphenyl
Concen: 62.727 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 843844
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.9 19.6 29.4

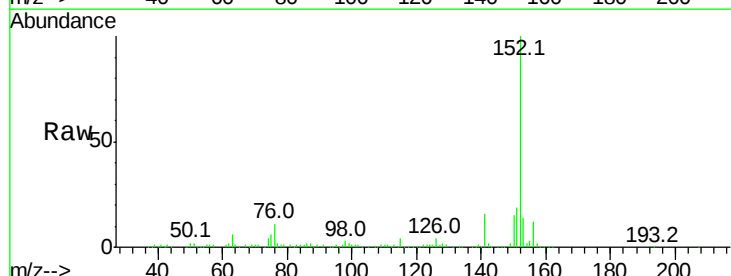


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

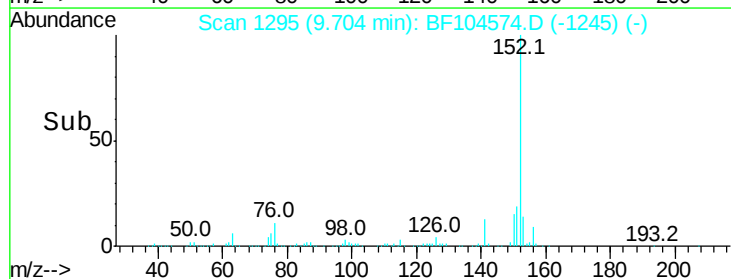
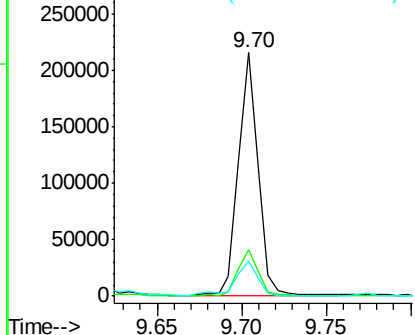


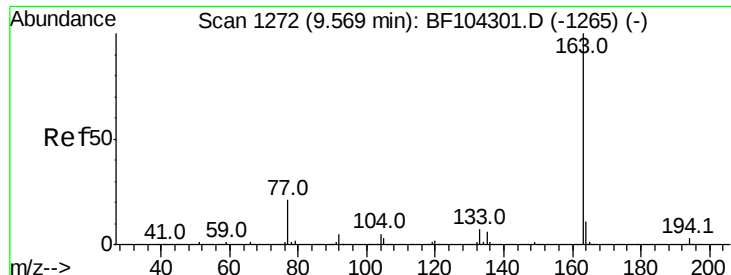
#48
Acenaphthylene
Concen: 7.890 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion:152 Resp: 174565
Ion Ratio Lower Upper
152 100
151 19.3 16.3 24.5
153 14.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

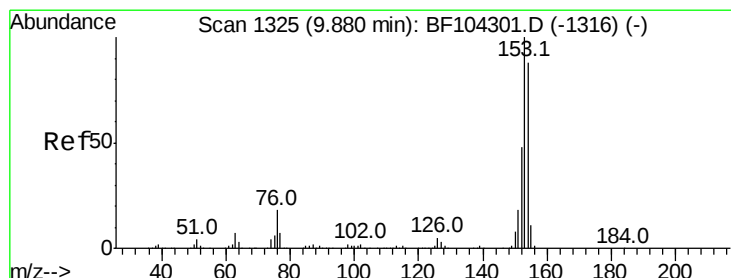
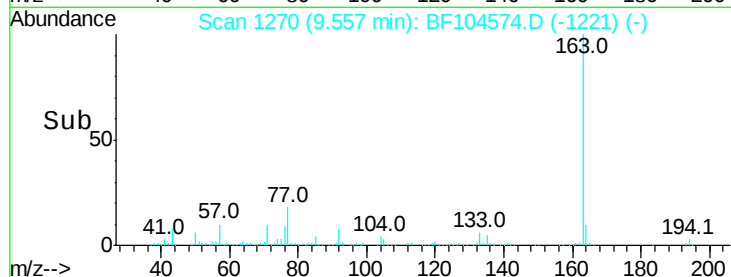
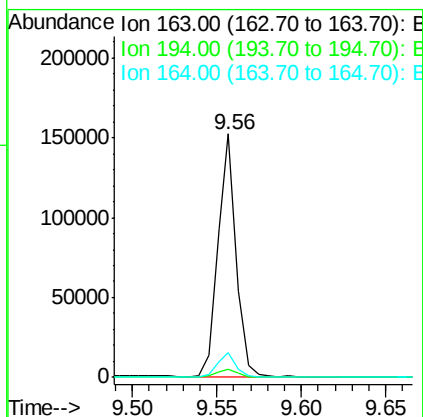
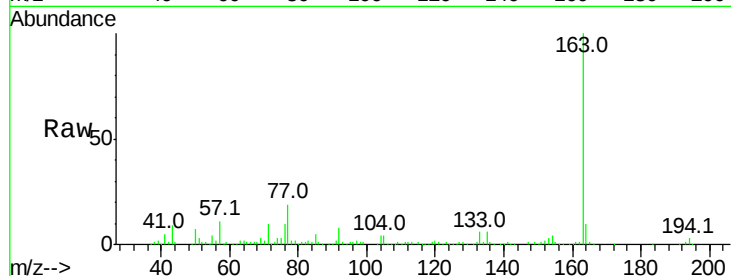




#49
Dimethylphthalate
Concen: 6.828 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

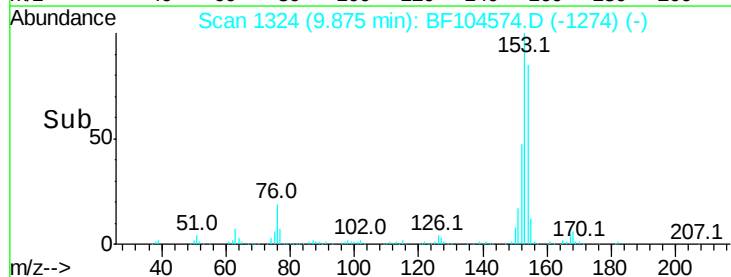
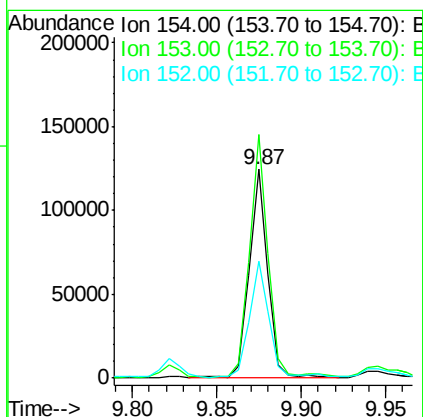
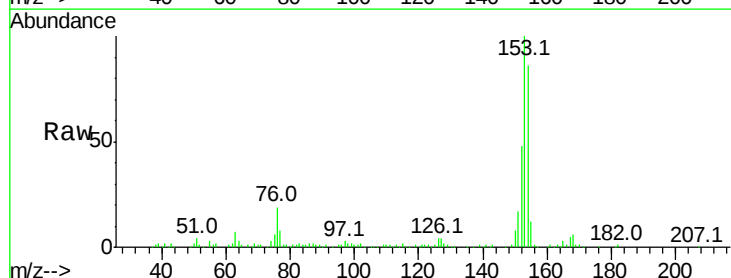
Instrument :
BNA_F
ClientSampleId :

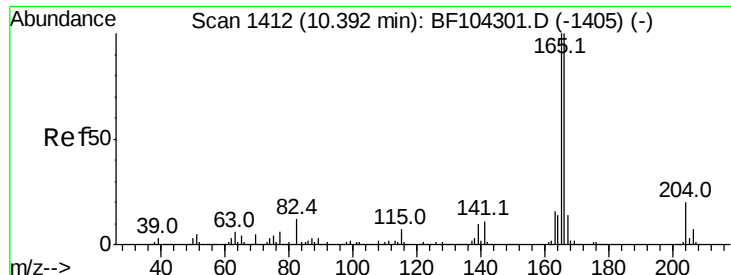
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2



#51
Acenaphthene
Concen: 7.022 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.8	91.2	136.8
152	55.8	43.8	65.8

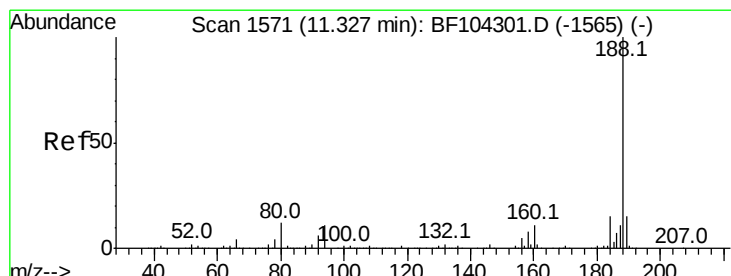
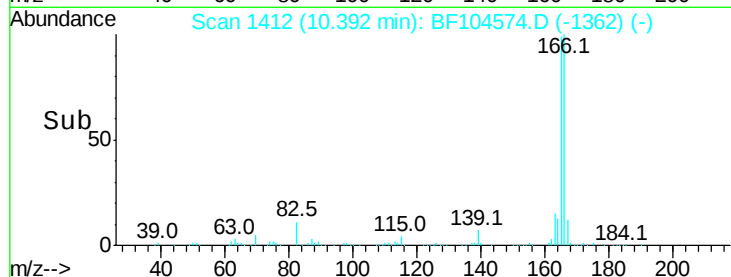
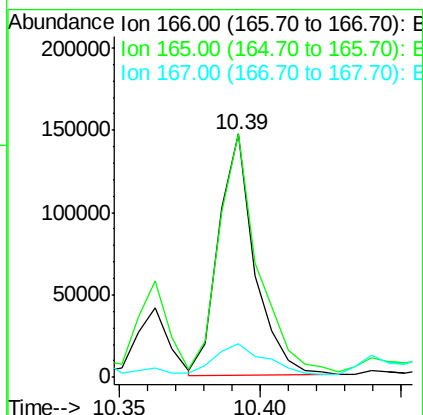
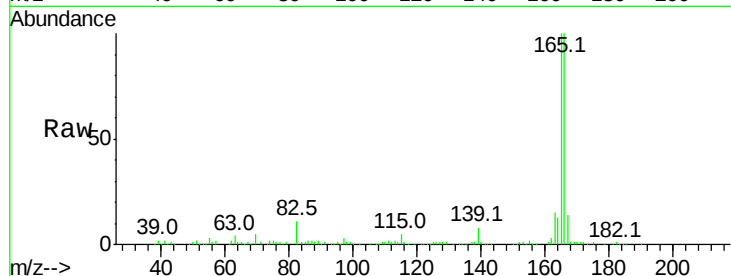




#57
Fluorene
 Concen: 9.472 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104574.D
 Acq: 17 Apr 2018 21:03

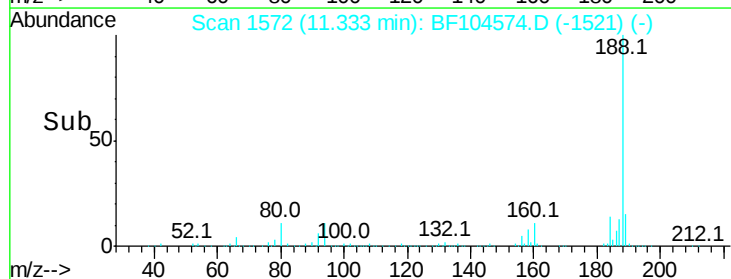
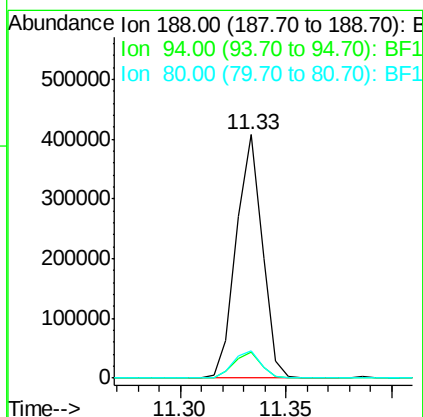
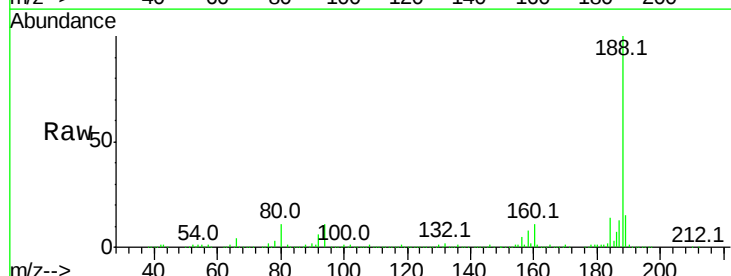
Instrument :
 BNA_F
 ClientSampleId :

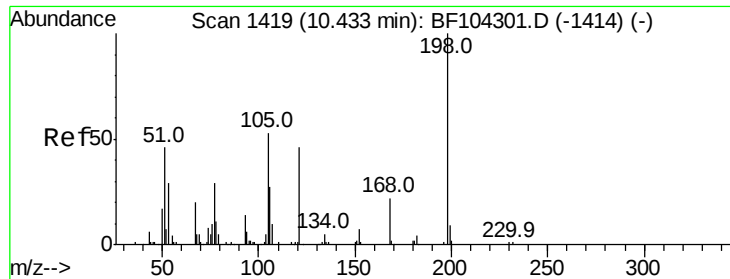
Tot Ion:166 Resp: 129704
 Ion Ratio Lower Upper
 166 100
 165 99.8 79.8 119.8
 167 13.9 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104574.D
 Acq: 17 Apr 2018 21:03

Tgt Ion:188 Resp: 345546
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.3 9.2 13.8

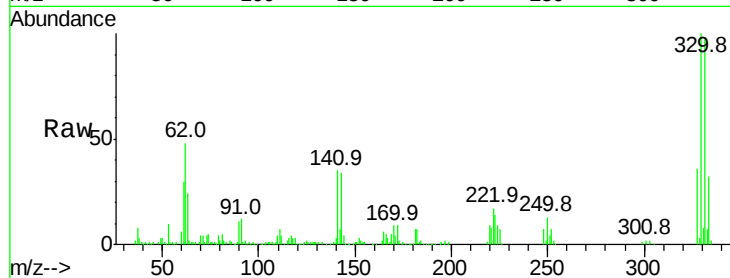




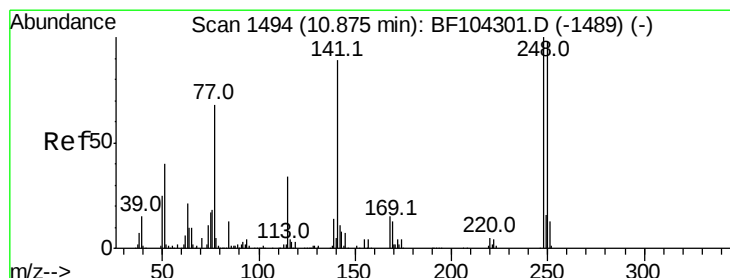
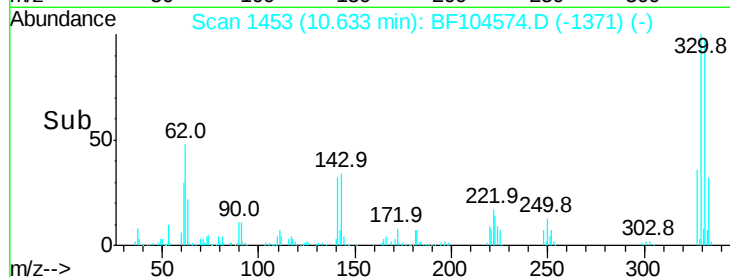
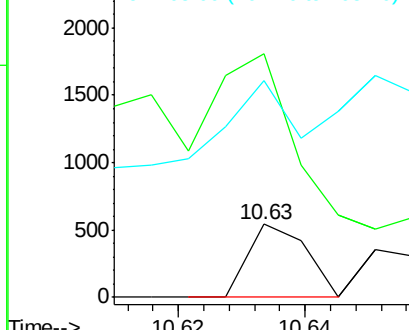
#64
4,6-Dinitro-2-methylphenol
Concen: 7.518 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 340
Ion Ratio Lower Upper
198 100
51 334.0 37.7 77.7#
105 297.8 36.3 76.3#

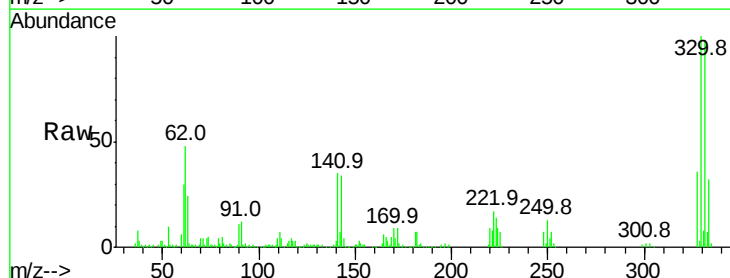


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

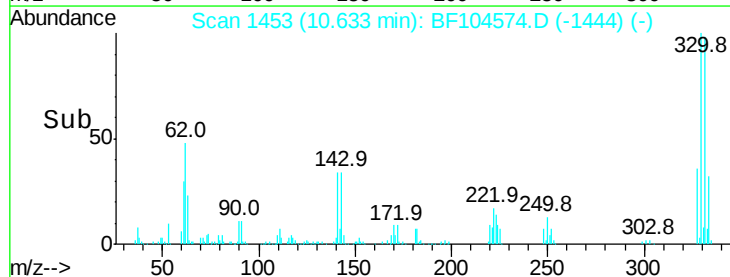
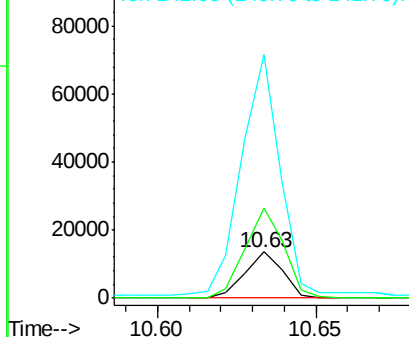


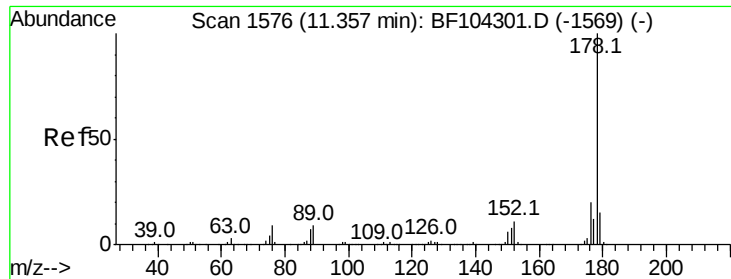
#66
4-Bromophenyl-phenylether
Concen: 3.060 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion:248 Resp: 11248
Ion Ratio Lower Upper
248 100
250 195.1 76.9 115.3#
141 528.0 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 42.457 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

ClientSampled :

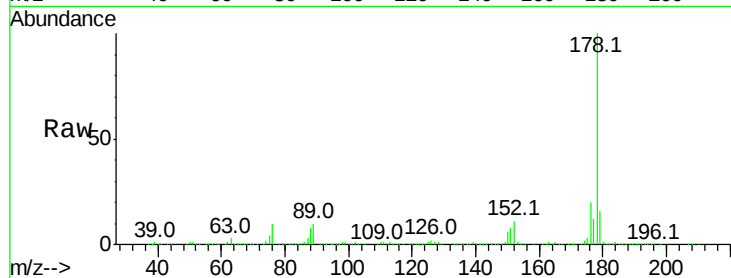
Tot Ion:178 Resp: 817001

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

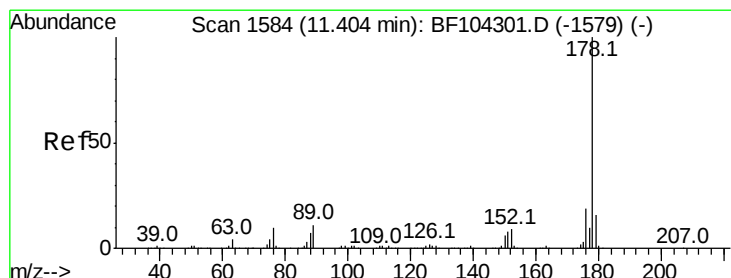
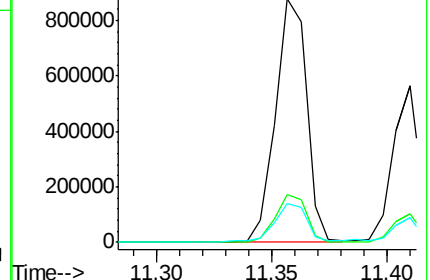
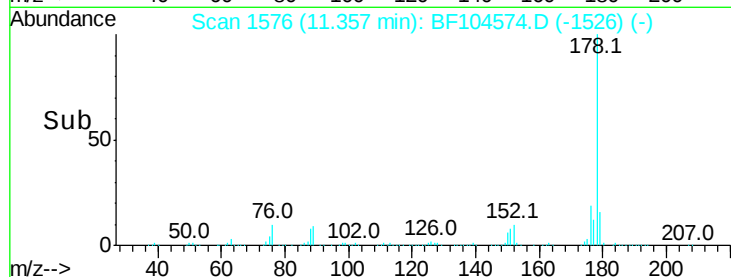
179 16.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 22.878 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

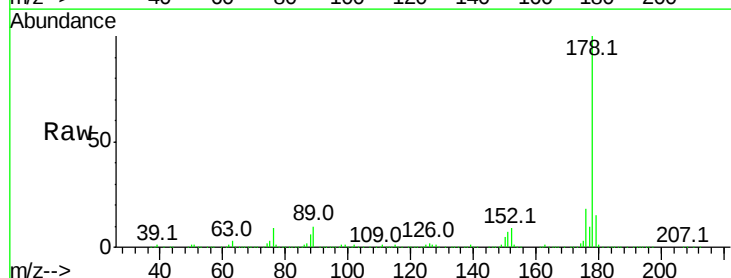
Tgt Ion:178 Resp: 447526

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

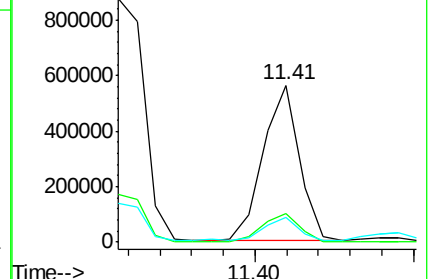
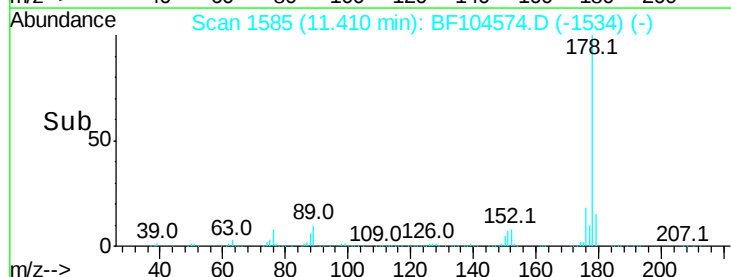
179 15.5 12.6 19.0

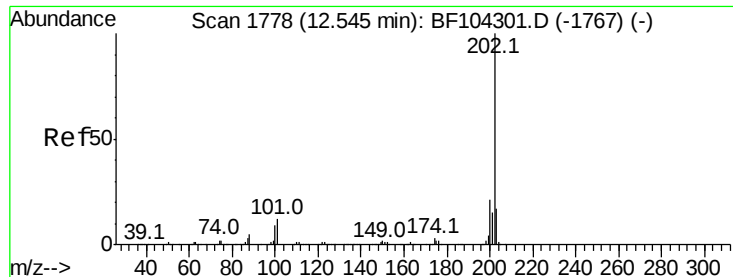


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 29.583 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

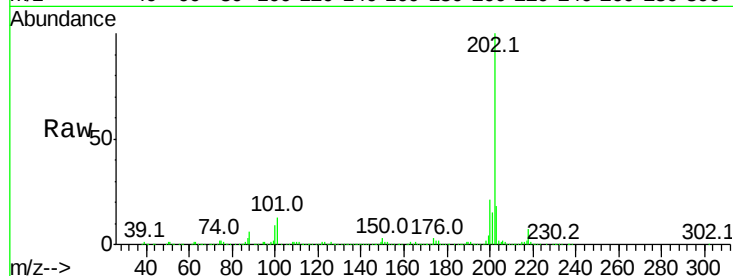
Tot Ion:202 Resp: 594788

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

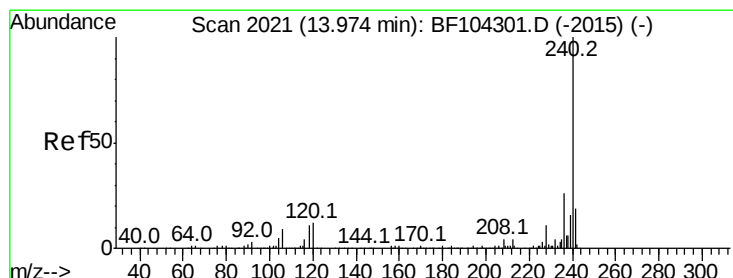
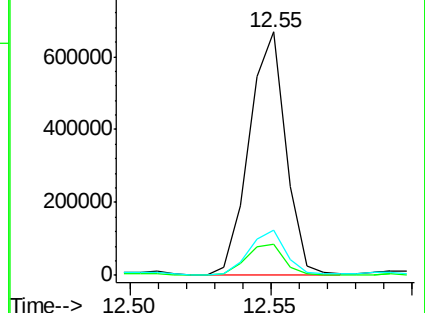
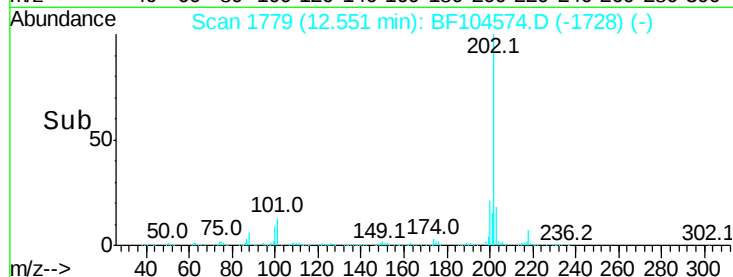
203 18.3 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

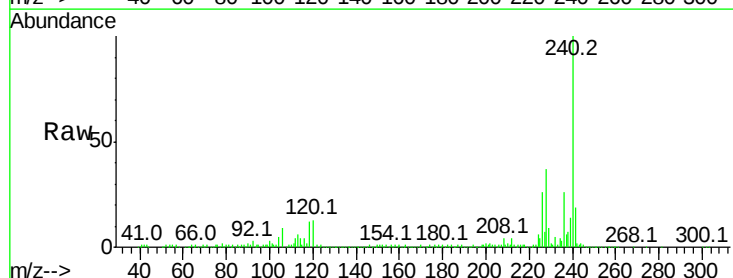
Tgt Ion:240 Resp: 293077

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

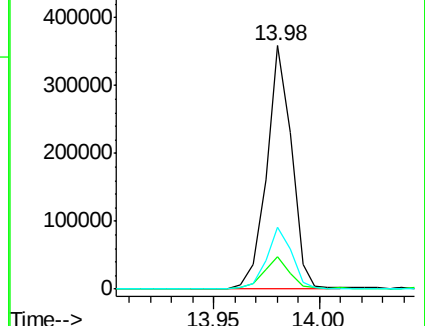
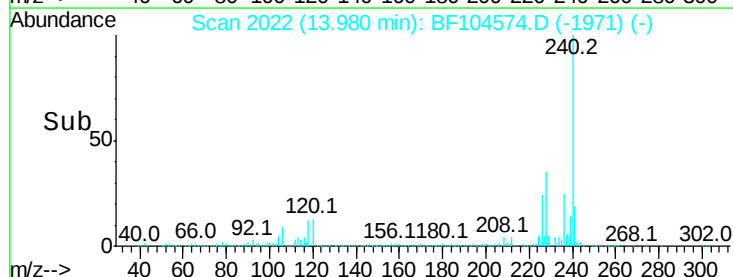
236 25.6 20.7 31.1

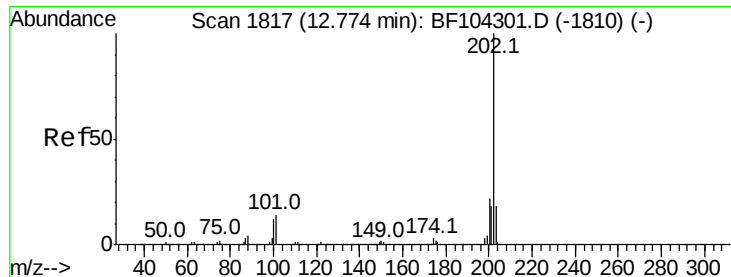


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 41.012 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

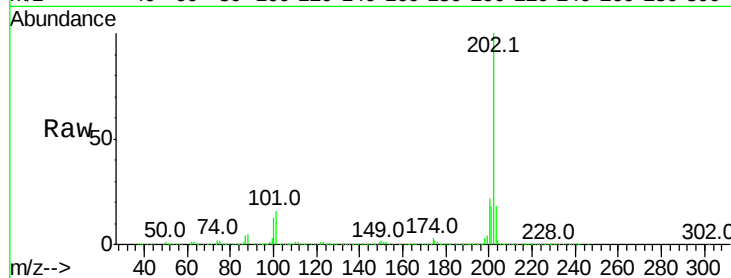
Tot Ion:202 Resp: 890942

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

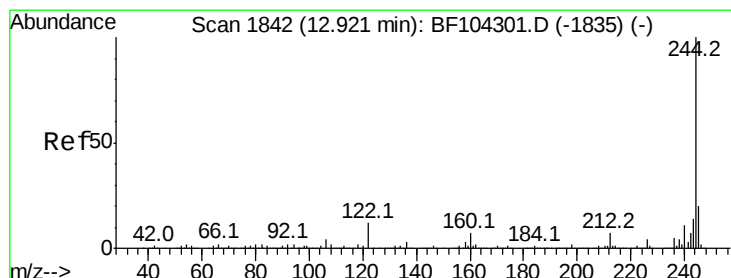
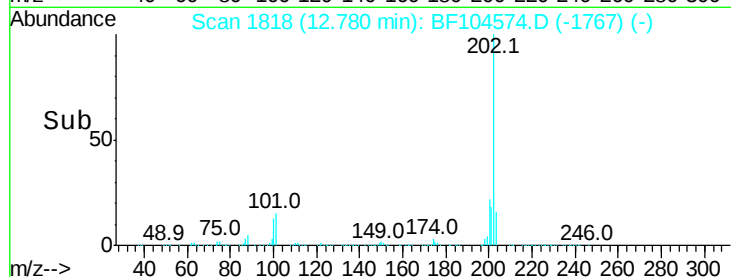
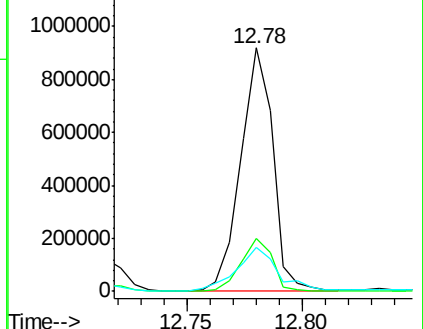
203 17.8 14.3 21.5



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: 53.008 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

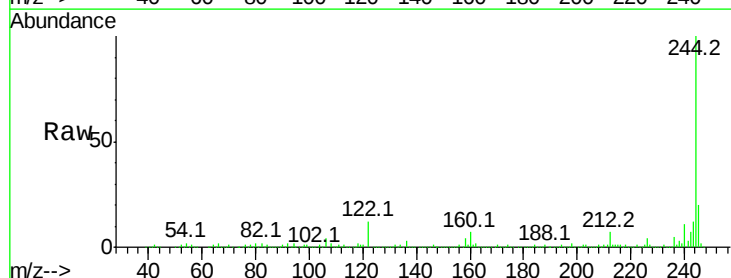
Tgt Ion:244 Resp: 681430

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

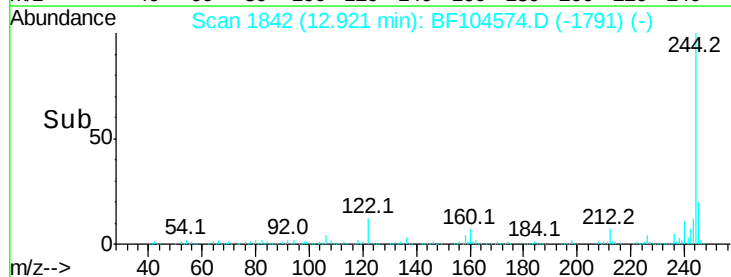
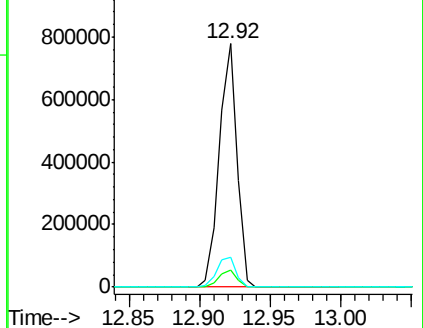
122 12.0 11.0 16.4

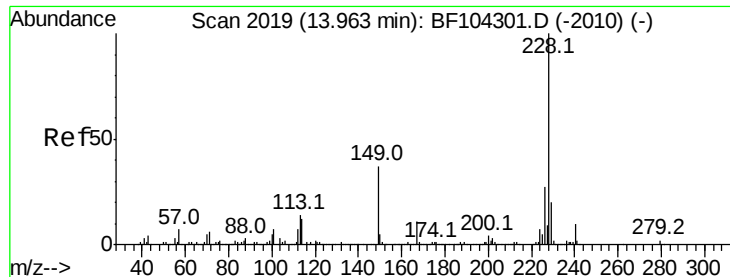


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

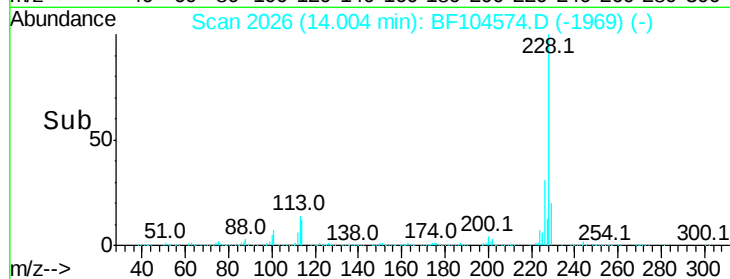
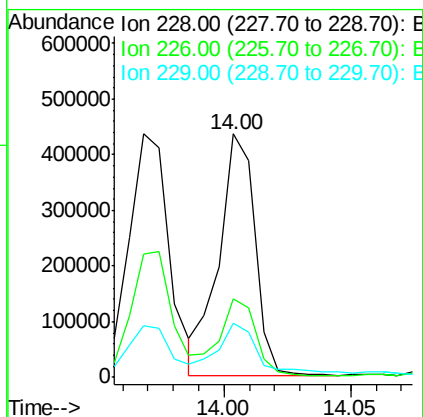
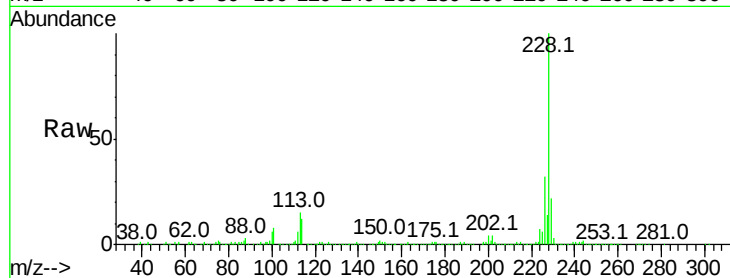




#80
Benzo(a)anthracene
Concen: 24.671 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.04 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

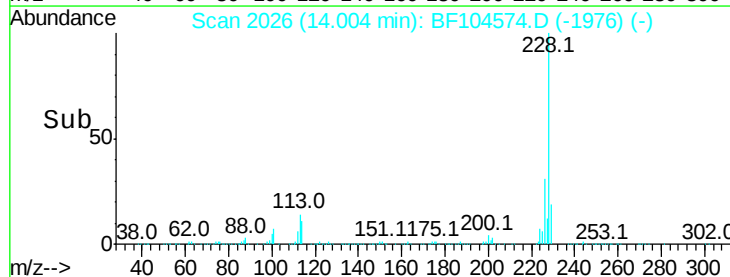
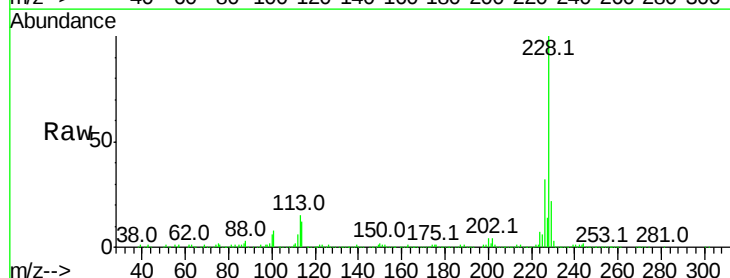
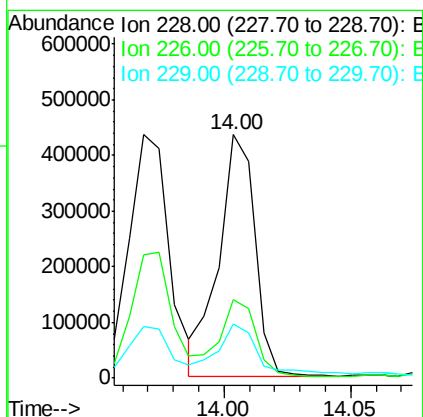
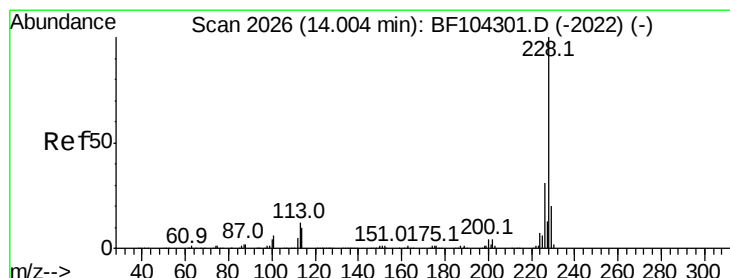
Instrument :
BNA_F
ClientSampled :

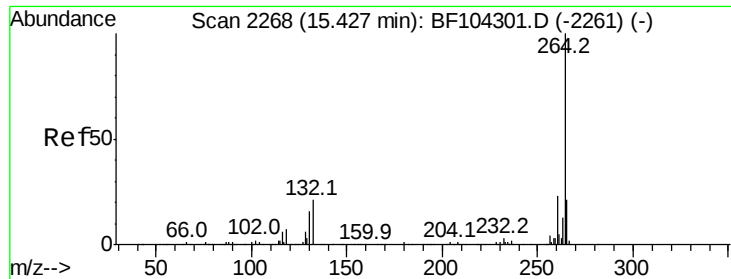
Tot Ion:228 Resp: 431963
Ion Ratio Lower Upper
228 100
226 32.0 22.6 33.8
229 22.4 15.8 23.6



#82
Chrysene
Concen: 24.019 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion:228 Resp: 431963
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 22.4 16.2 24.4

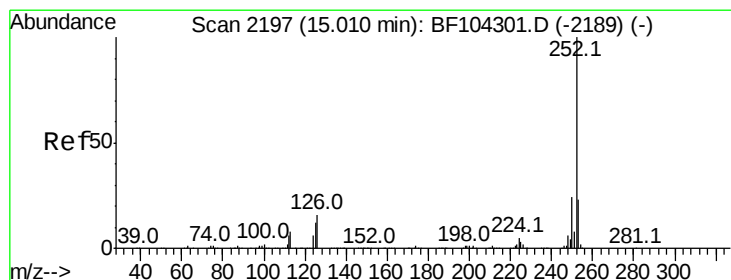
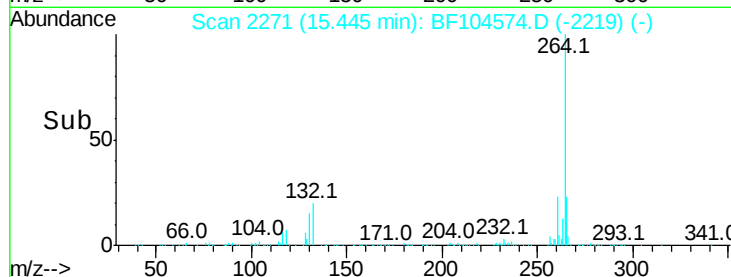
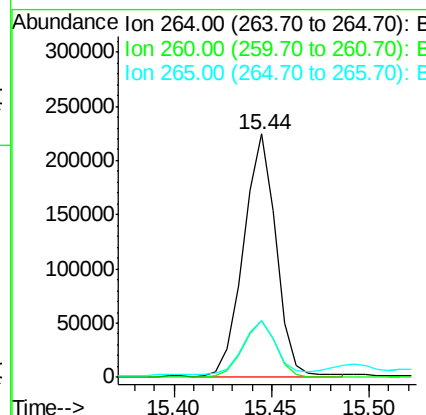
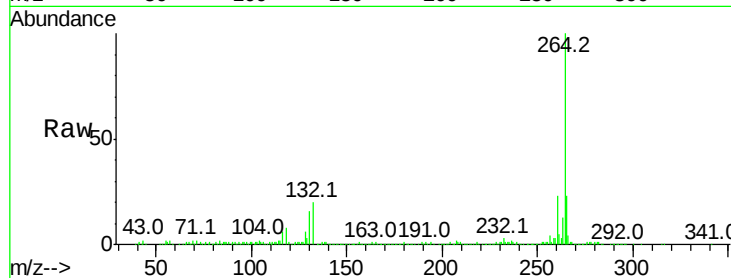




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

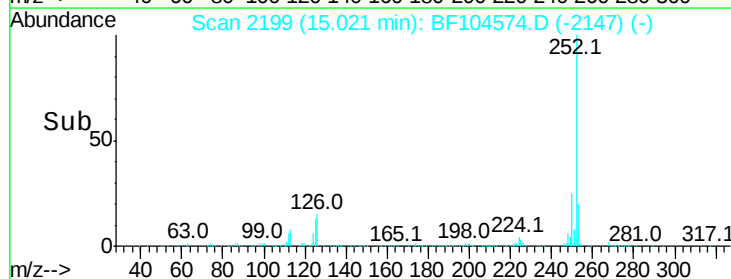
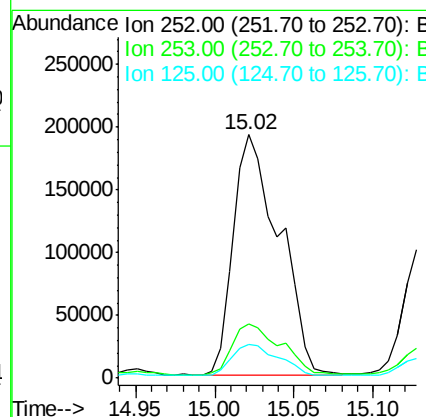
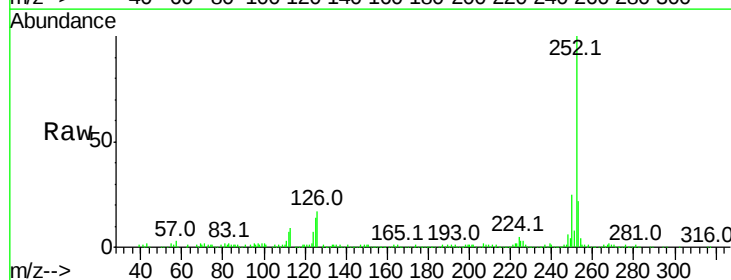
Instrument :
BNA_F
ClientSampleId :

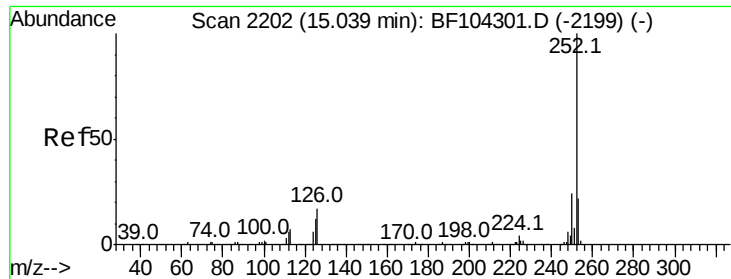
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 23.778 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	13.9	9.0	13.6#

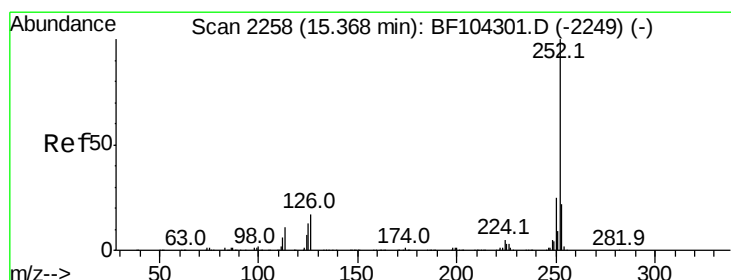
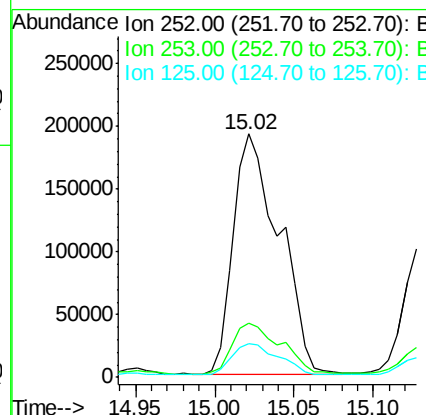
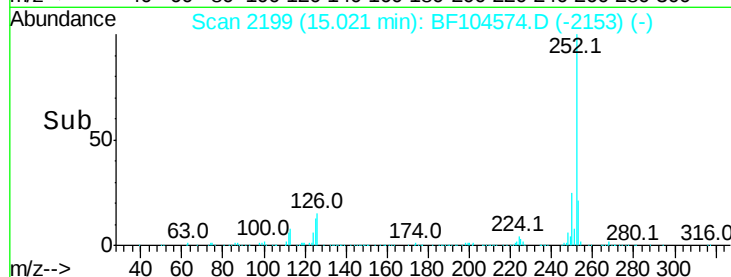
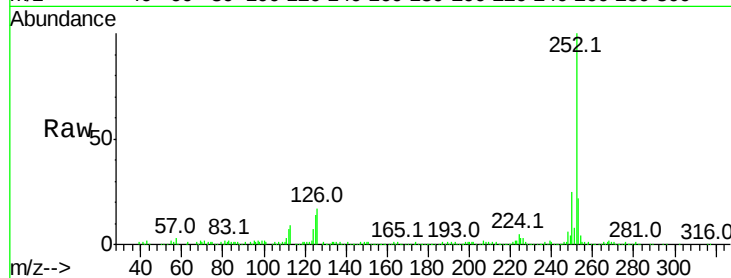




#88
Benzo(k)fluoranthene
Concen: 25.187 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

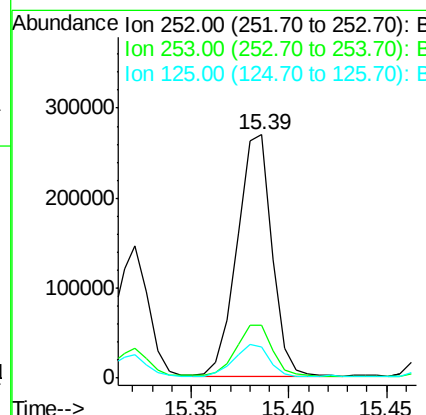
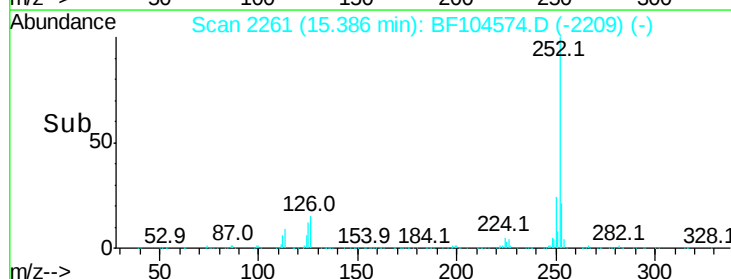
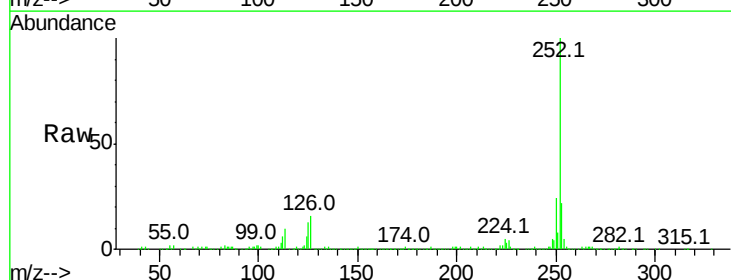
Instrument :
BNA_F
ClientSampleId :

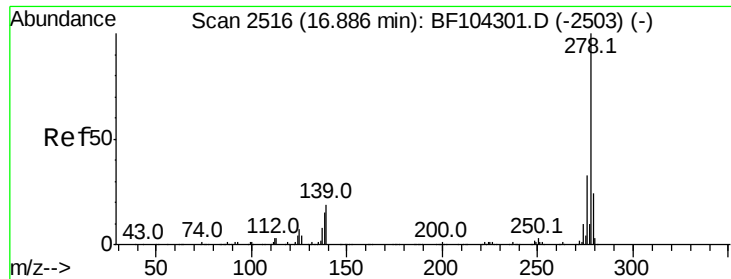
Tot Ion:252 Resp: 385563
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 13.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 22.870 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion:252 Resp: 331804
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 13.0 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.081 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.22 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

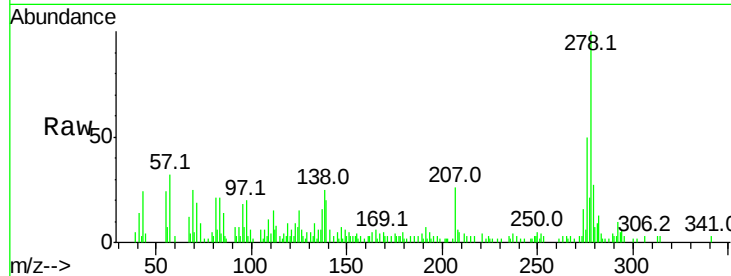
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 24797

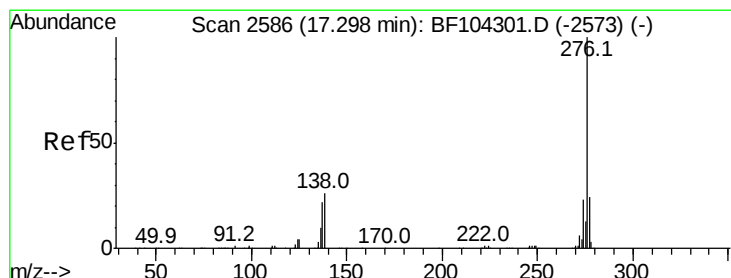
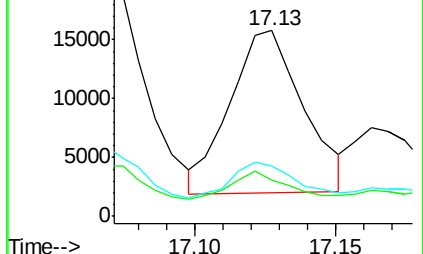
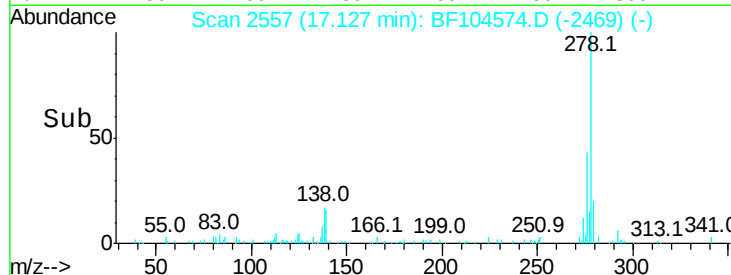
Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.9	23.9
279	26.8	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.561 ng

RT: 17.33 min Scan# 2591

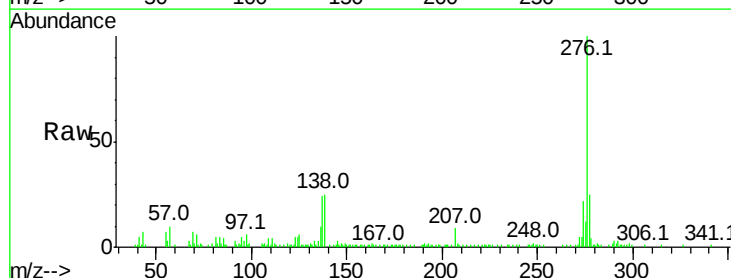
Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:276 Resp: 98832

Ion	Ratio	Lower	Upper
276	100		
277	24.7	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

