

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104564.D
 Acq On : 17 Apr 2018 16:38
 Operator : JU/SJ
 Sample : J2407-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 18:12:05 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	151028	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	602562	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	232073	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	406040	20.00	ng	0.00
75) Chrysene-d12	13.97	240	301559	20.00	ng	0.00
86) Perylene-d12	15.44	264	324710	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	369514	37.41	ng	0.00
7) Phenol-d6	6.43	99	453184	37.34	ng	-0.01
23) Nitrobenzene-d5	7.36	82	265857	28.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	95348	39.61	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	451538	30.74	ng	0.00
78) Terphenyl-d14	12.92	244	319956	24.19	ng	0.00

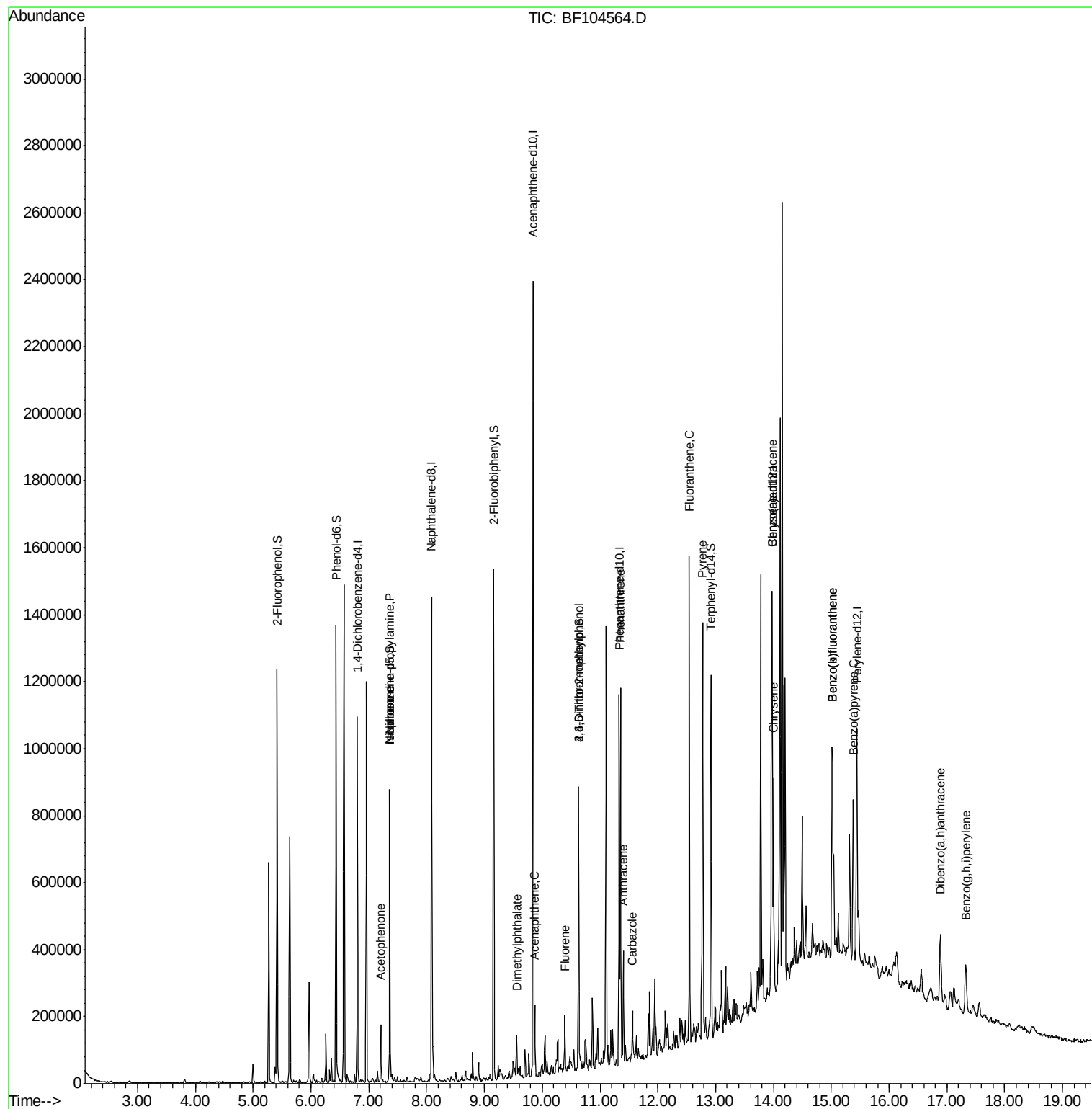
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	34845	4.394	ng	# 75
22) Acetophenone	7.21	105	53756	3.624	ng	# 92
25) Isophorone	7.36	82	265854	13.624	ng	# 64
49) Dimethylphthalate	9.56	163	38298	2.093	ng	99
51) Acenaphthene	9.87	154	37101	2.517	ng	99
57) Fluorene	10.39	166	41782	2.794	ng	96
64) 4,6-Dinitro-2-methylphenol	10.63	198	111	7.395	ng	# 1
70) Phenanthrene	11.36	178	385057	17.029	ng	99
71) Anthracene	11.40	178	111714	4.860	ng	98
72) Carbazole	11.56	167	47991	2.137	ng	98
74) Fluoranthene	12.55	202	536363	22.703	ng	98
76) Benzidine	12.65	184	368	Below Cal		# 1
77) Pyrene	12.77	202	480153	21.481	ng	99
80) Benzo(a)anthracene	13.97	228	251591	13.965	ng	96
82) Chrysene	14.00	228	252156	13.627	ng	98
87) Benzo(b)fluoranthene	15.02	252	470371	22.936	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	470371	24.294	ng	99
89) Benzo(a)pyrene	15.38	252	227382	12.392	ng	96
90) Dibenzo(a,h)anthracene	16.90	278	33371	2.214	ng	# 88
91) Benzo(a,h,i)perylene	17.33	276	112997	7.739	ng	97

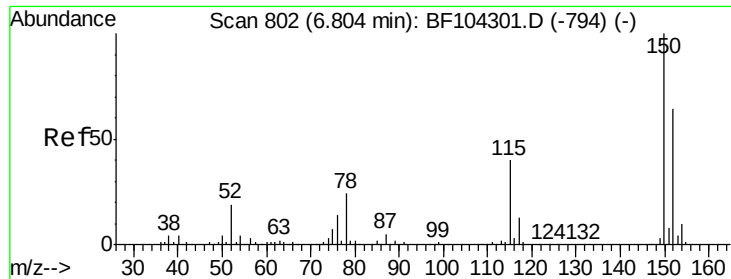
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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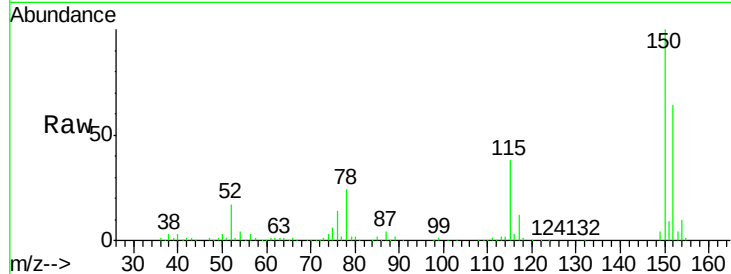


#1

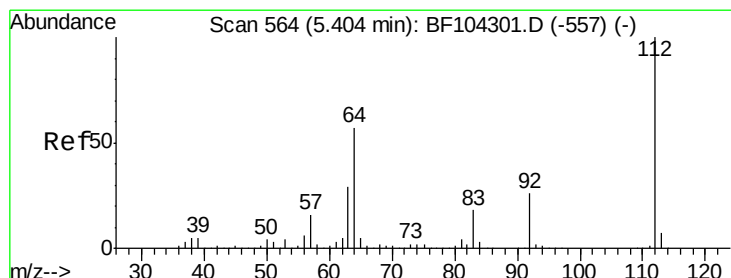
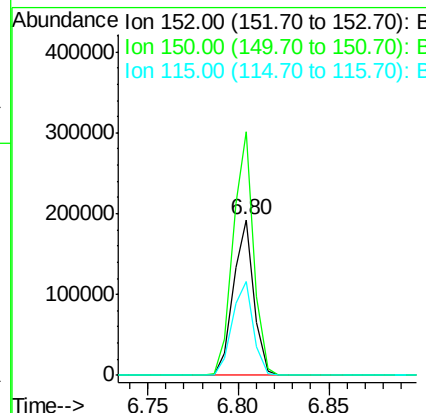
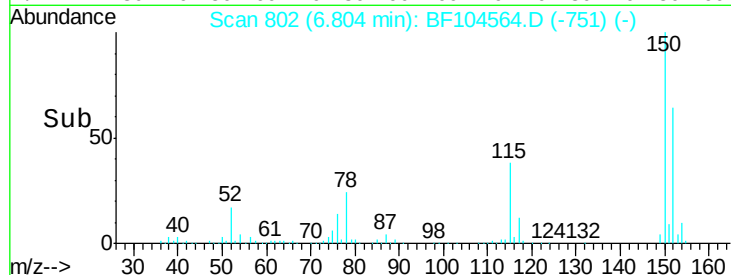
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151028
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 60.0 50.1 75.1



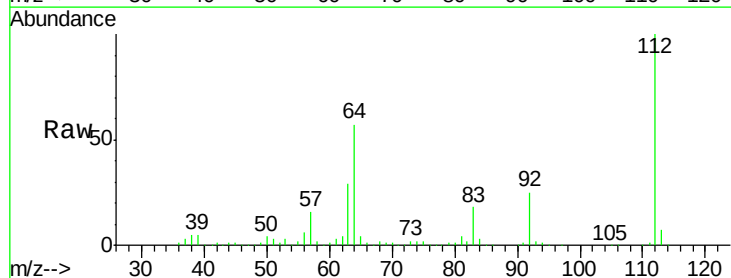
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



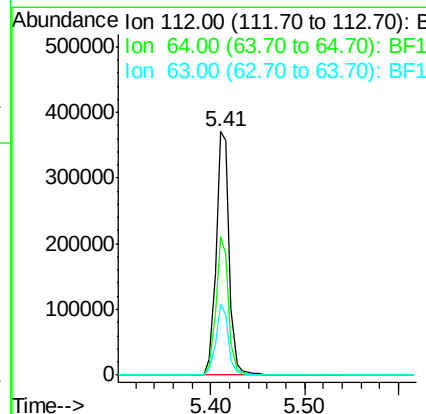
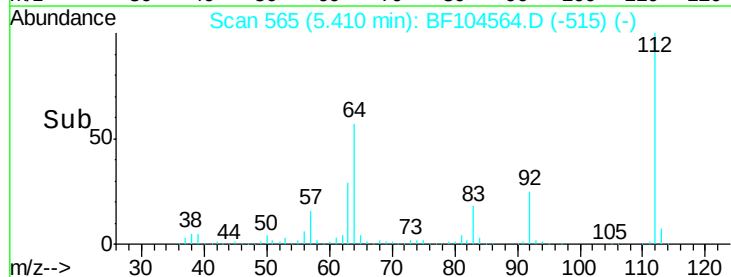
#5

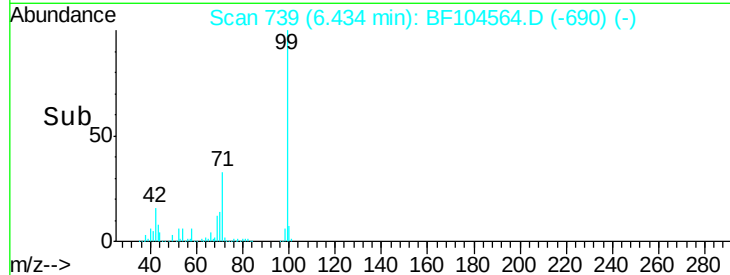
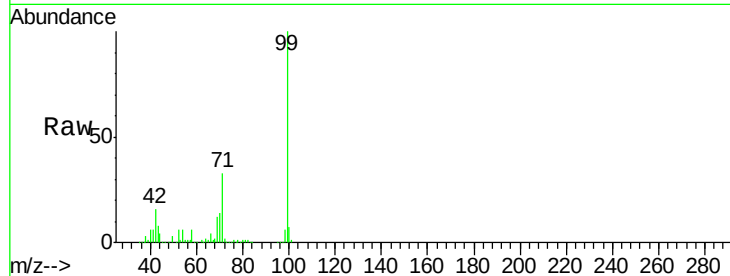
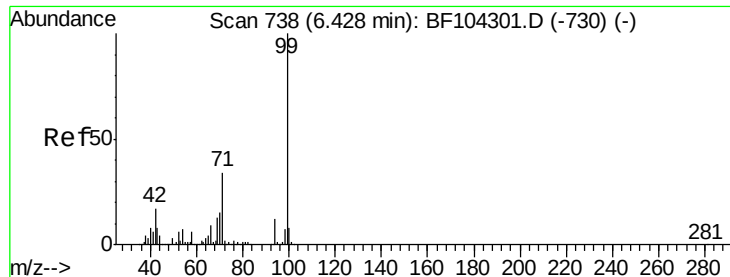
2-Fluorophenol
Concen: 37.411 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:112 Resp: 369514
Ion Ratio Lower Upper
112 100
64 57.0 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: 37.342 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampleId :

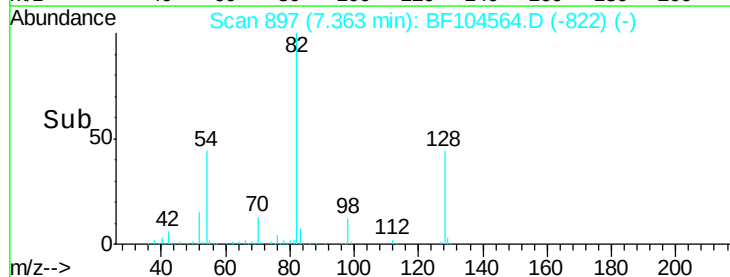
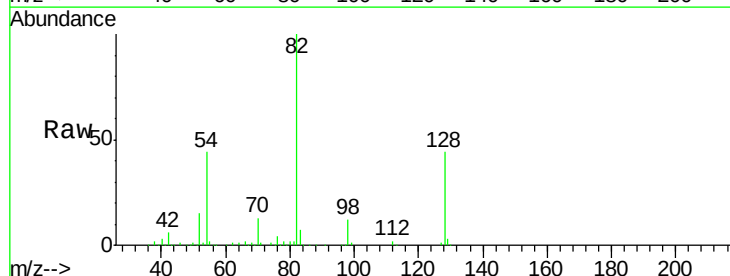
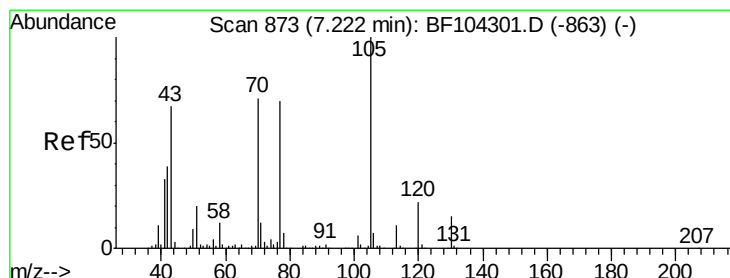
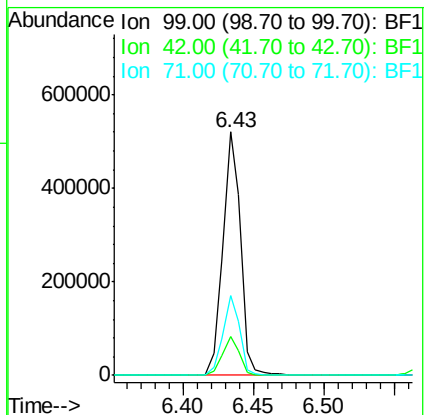
Tot Ion: 99 Resp: 453184

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.394 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Tgt Ion: 70 Resp: 34845

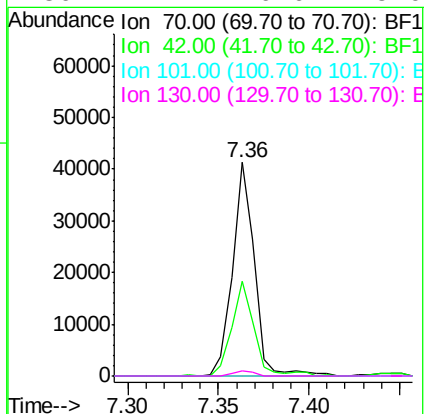
Ion Ratio Lower Upper

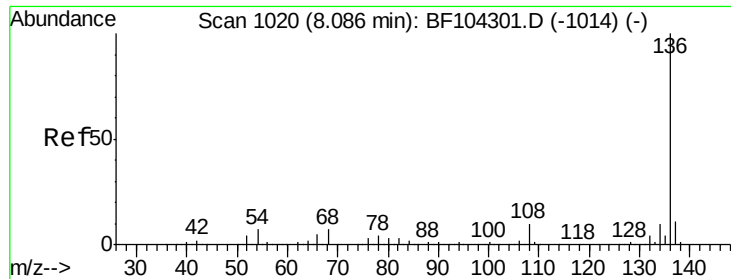
70 100

42 44.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

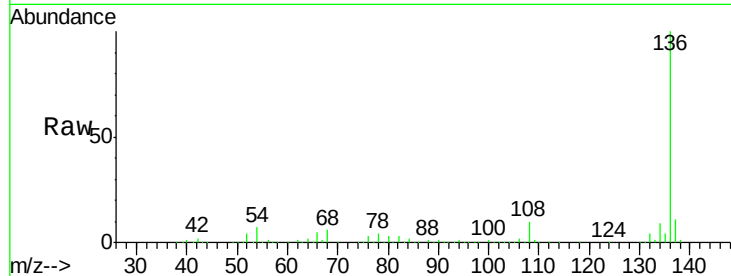




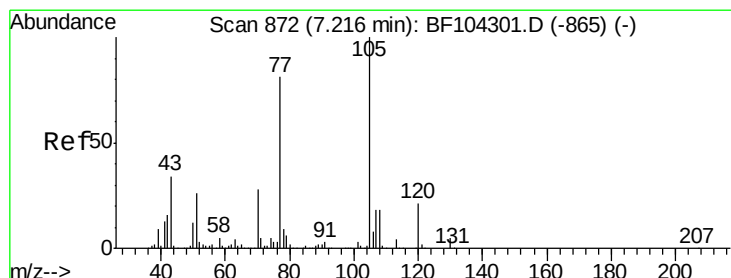
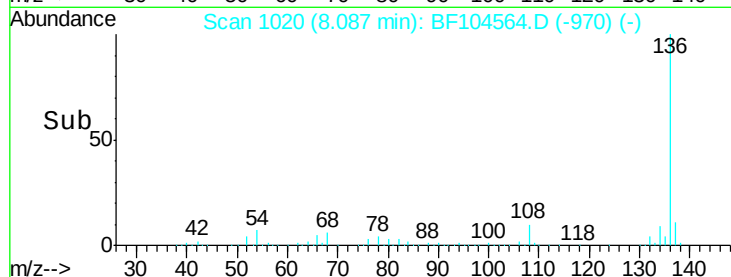
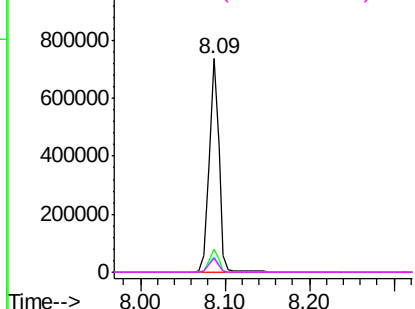
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	602562
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.9 13.3
54	7.1	6.6 9.8
68	6.4	5.0 7.4

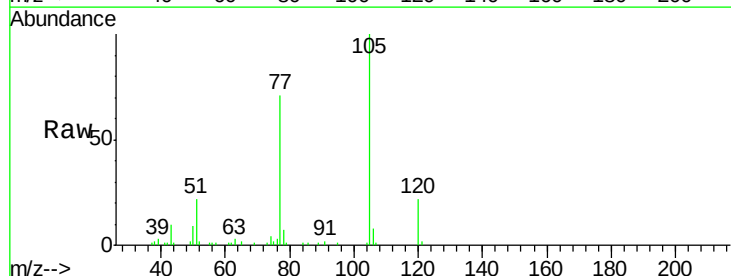


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

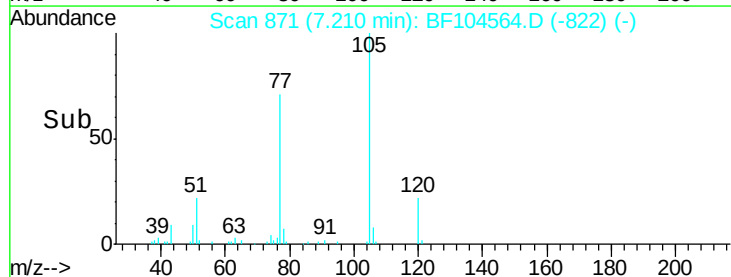
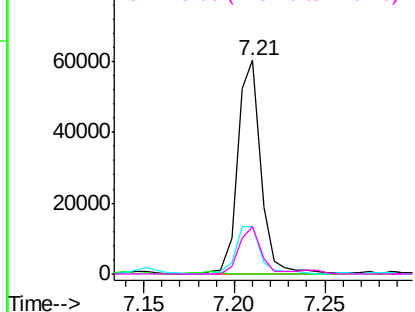


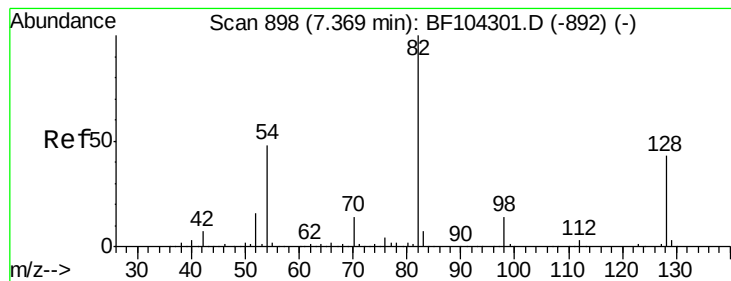
#22
Acetophenone
Concen: 3.624 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:105	Resp:	53756
Ion	Ratio	Lower Upper
105	100	
71	0.0	4.4 6.6#
51	22.3	22.3 33.5#
120	22.0	16.9 25.3



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 28.810 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampleId :

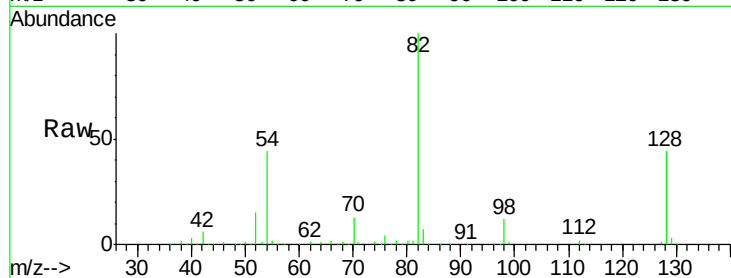
Tot Ion: 82 Resp: 265857

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

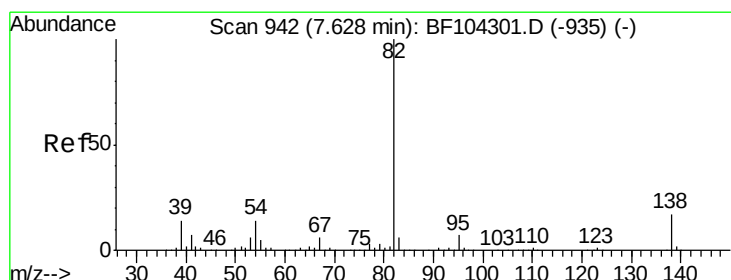
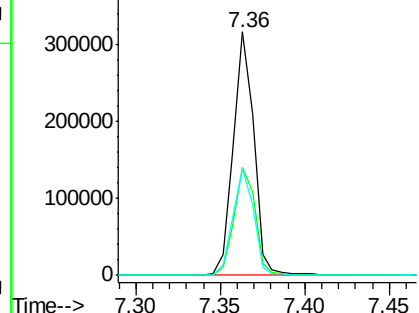
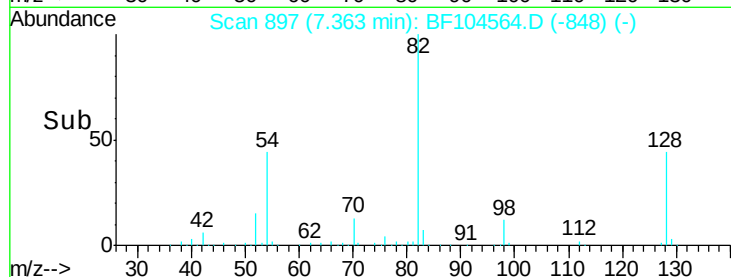
54 44.0 41.4 62.2



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: 13.624 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

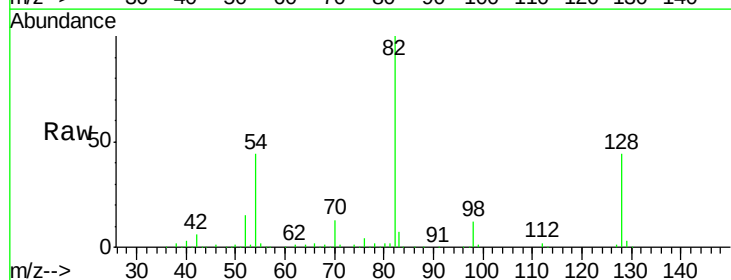
Tgt Ion: 82 Resp: 265854

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

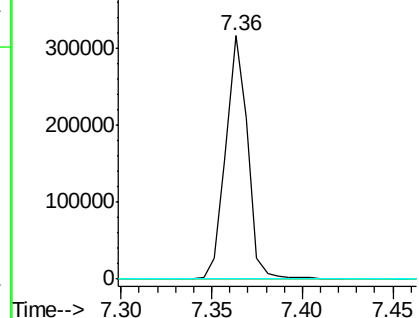
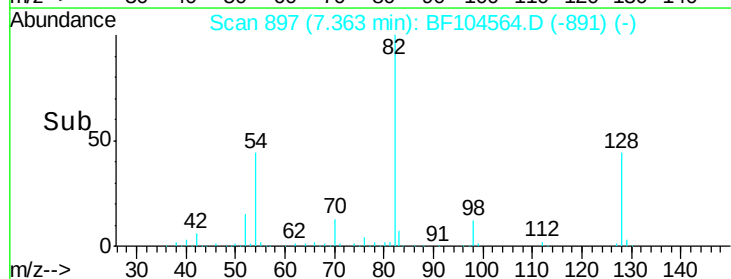
138 0.0 14.9 22.3#

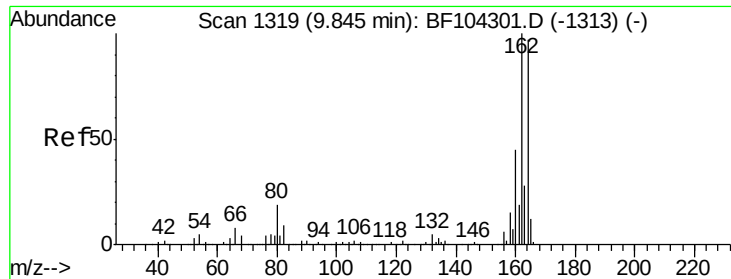


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampleId :

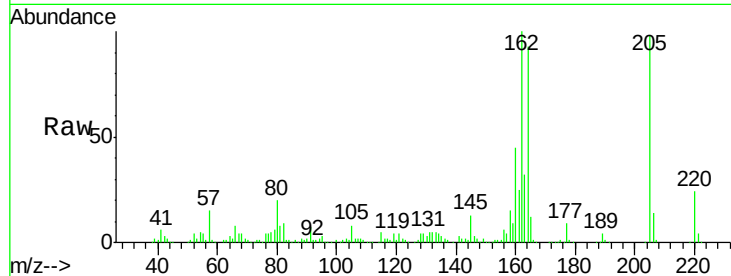
Tot Ion:164 Resp: 232073

Ion Ratio Lower Upper

164 100

162 107.4 86.1 129.1

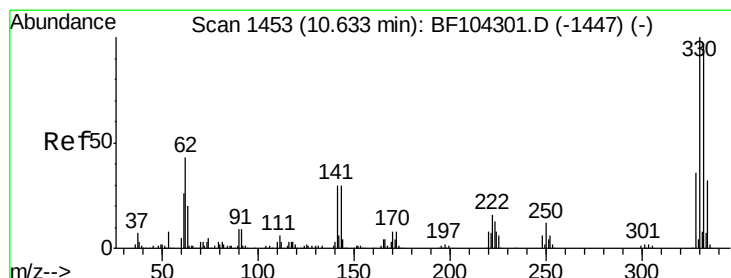
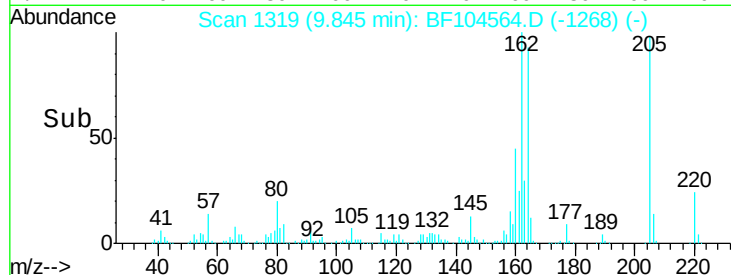
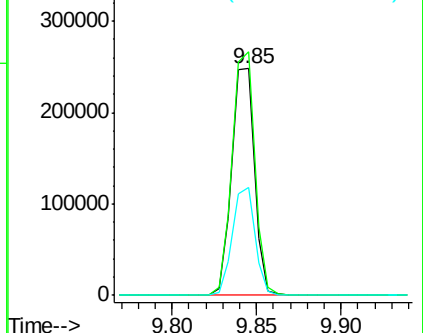
160 47.8 38.3 57.5



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: 39.607 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

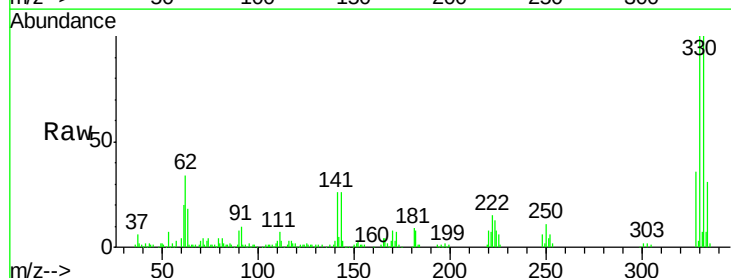
Tgt Ion:330 Resp: 95348

Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.6

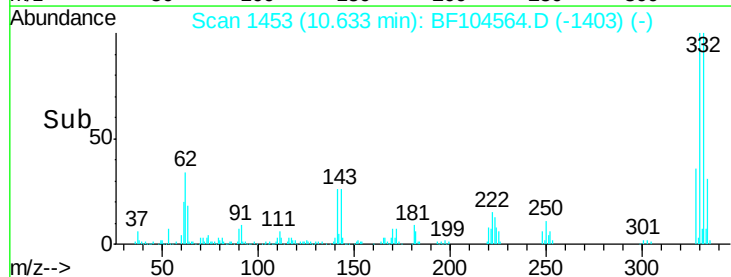
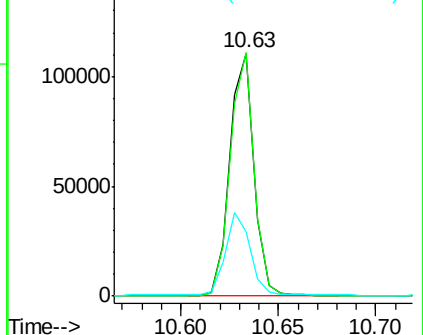
141 35.2 29.9 44.9

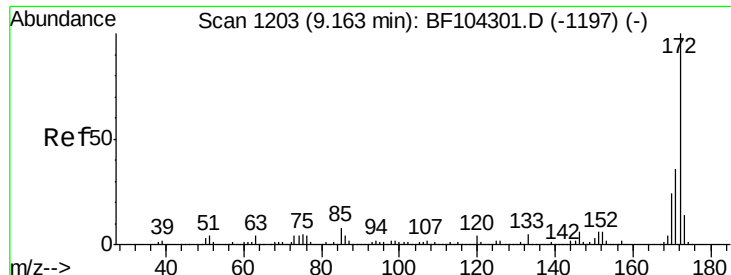


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

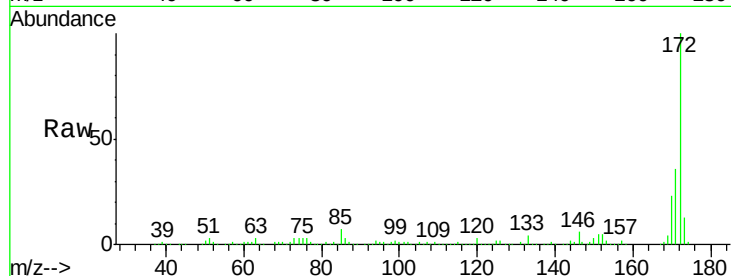




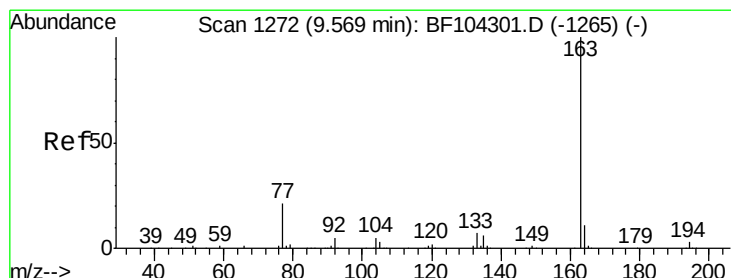
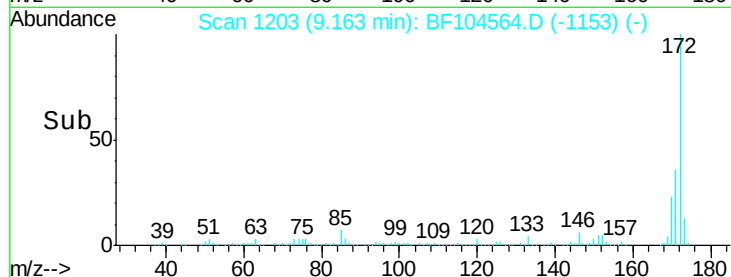
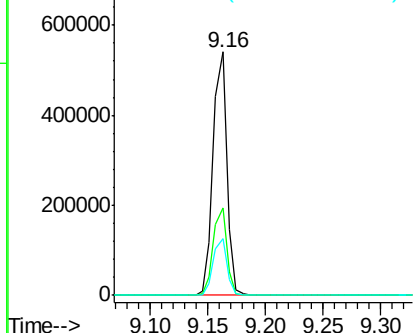
#44
2-Fluorobiphenyl
Concen: 30.737 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 451538
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.4 19.6 29.4

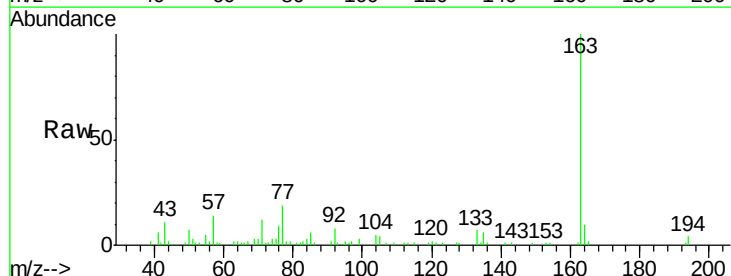


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

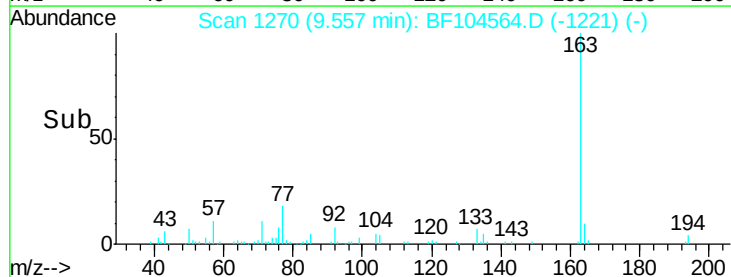
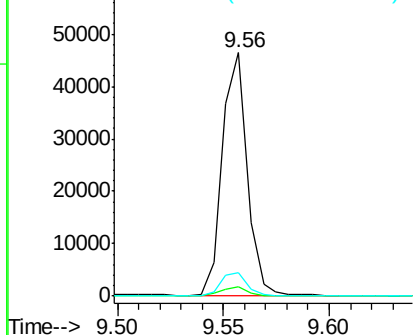


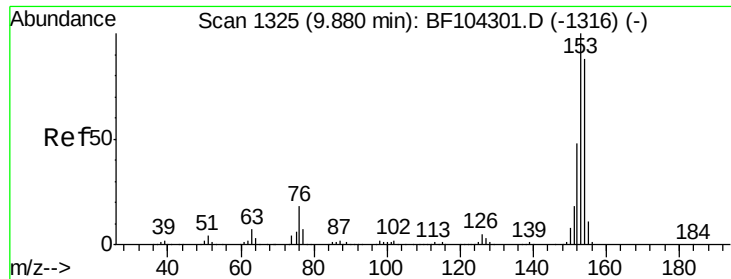
#49
Dimethylphthalate
Concen: 2.093 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:163 Resp: 38298
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 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





#51

Acenaphthene

Concen: 2.517 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampleId :

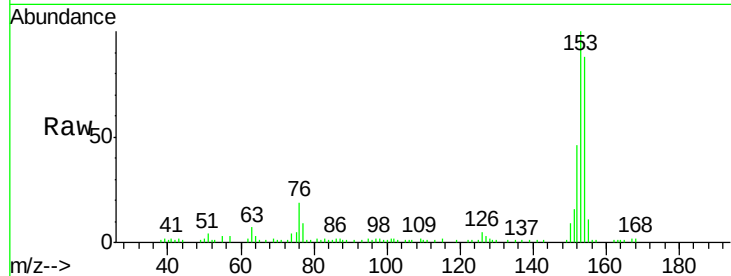
Tot Ion:154 Resp: 37101

Ion Ratio Lower Upper

154 100

153 113.8 91.2 136.8

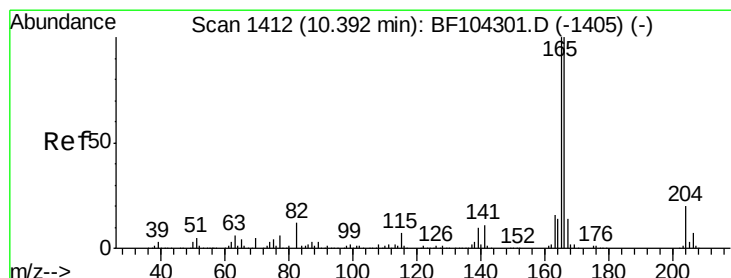
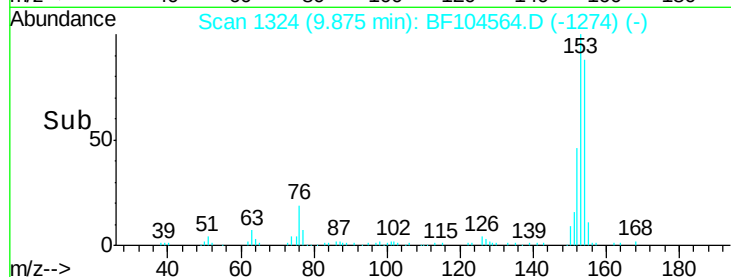
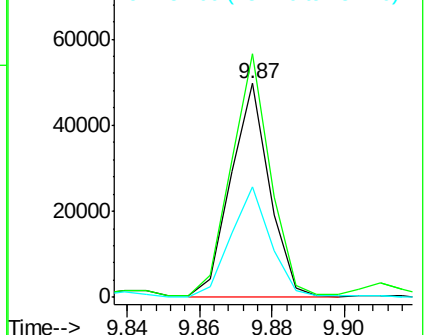
152 51.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.794 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

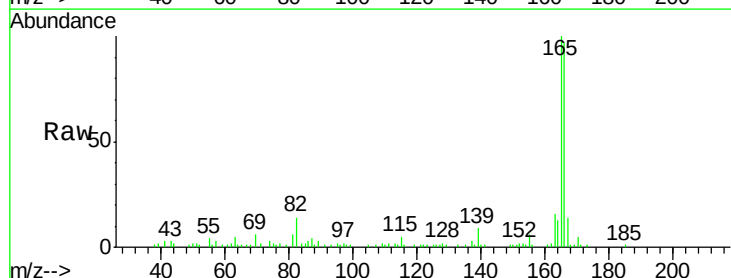
Tgt Ion:166 Resp: 41782

Ion Ratio Lower Upper

166 100

165 103.6 79.8 119.8

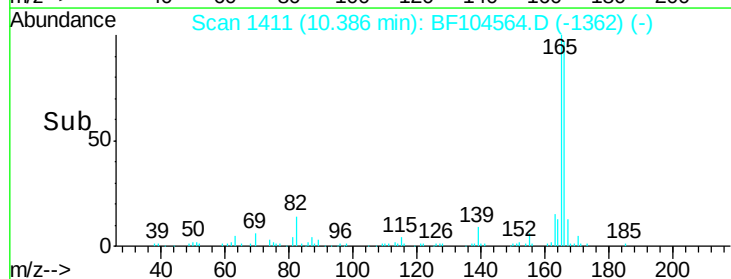
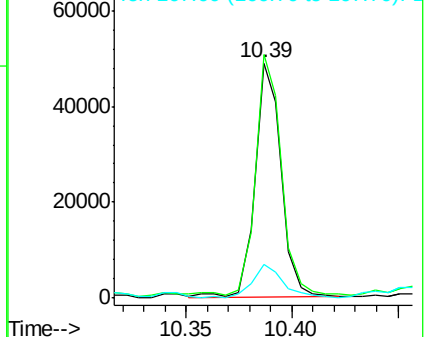
167 14.6 10.6 16.0

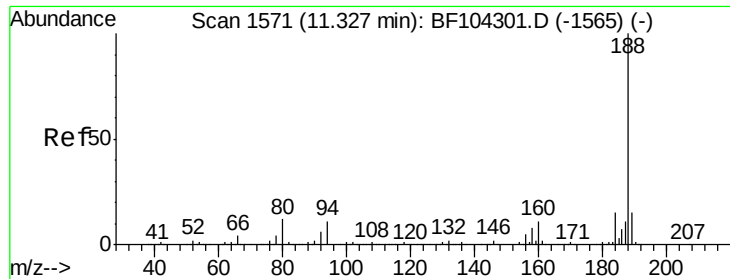


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

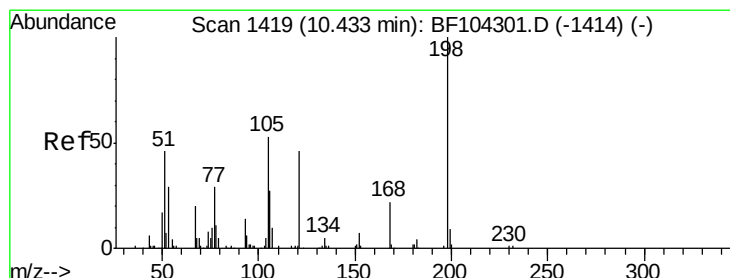
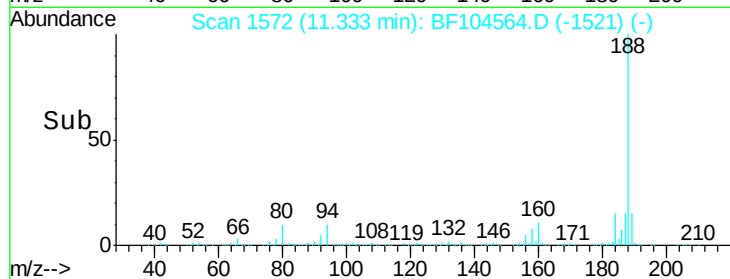
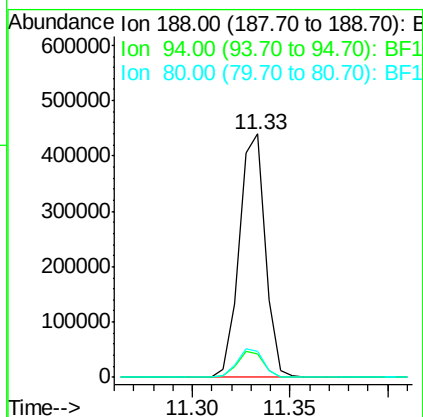
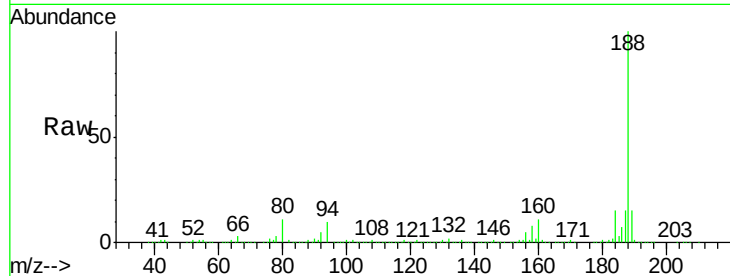




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

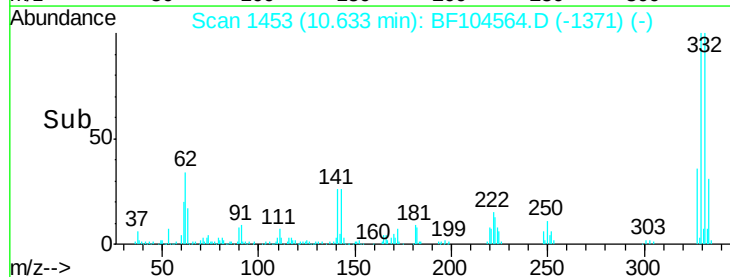
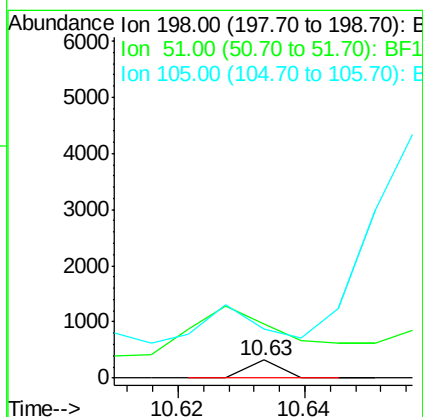
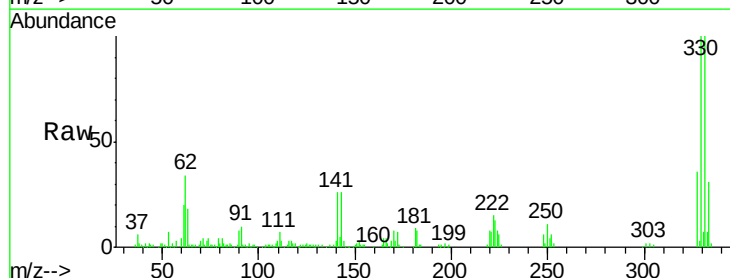
Instrument :
 BNA_F
 ClientSampleId :

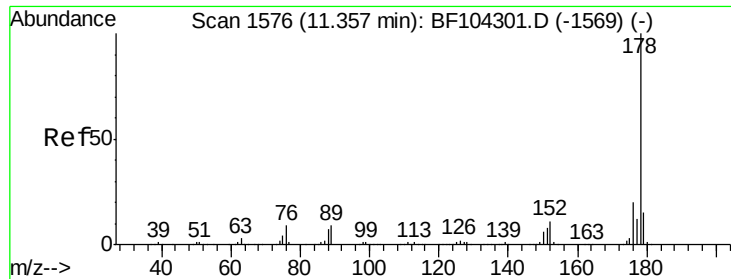
Tot Ion:188 Resp: 406040
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.395 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Tgt Ion:198 Resp: 111
 Ion Ratio Lower Upper
 198 100
 51 305.7 37.7 77.7#
 105 275.6 36.3 76.3#

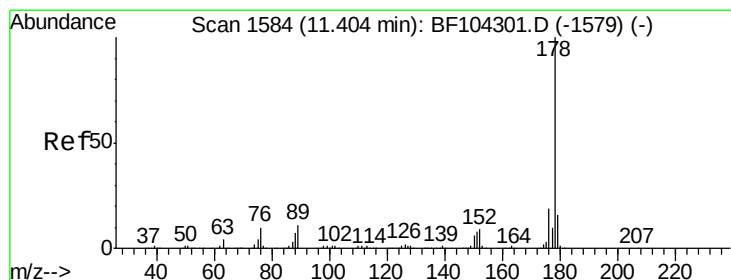
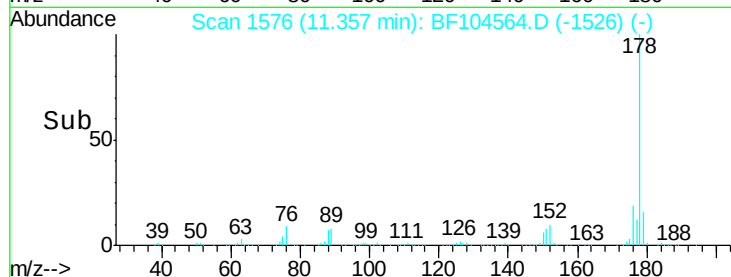
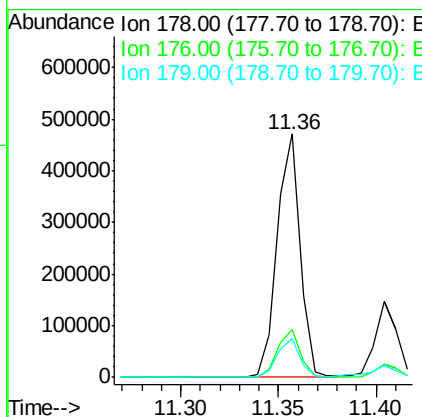
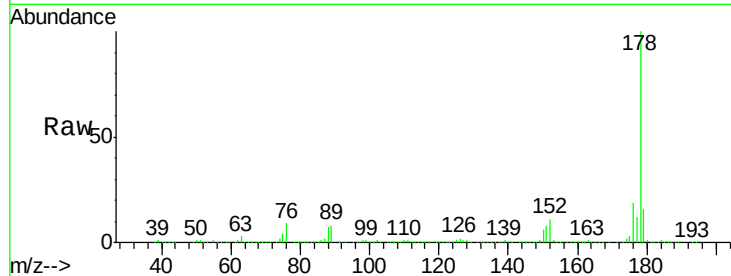




#70
Phenanthrene
Concen: 17.029 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

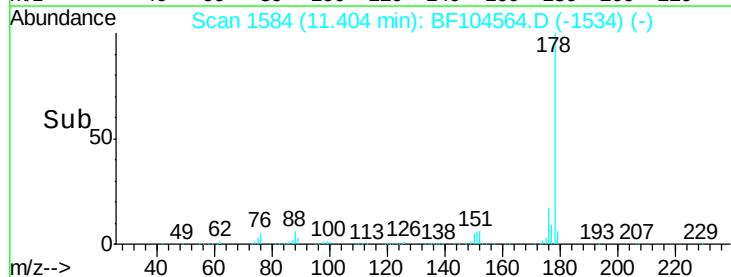
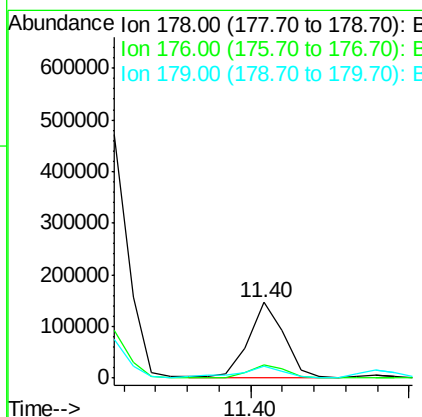
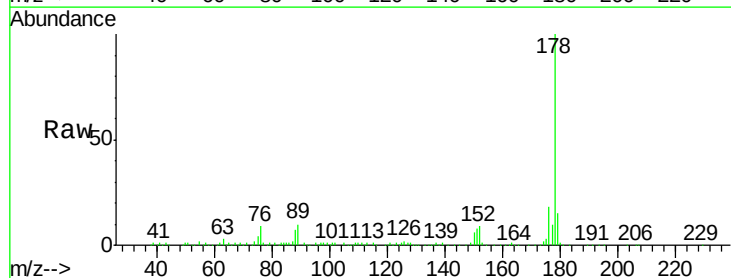
Instrument :
BNA_F
ClientSampleId :

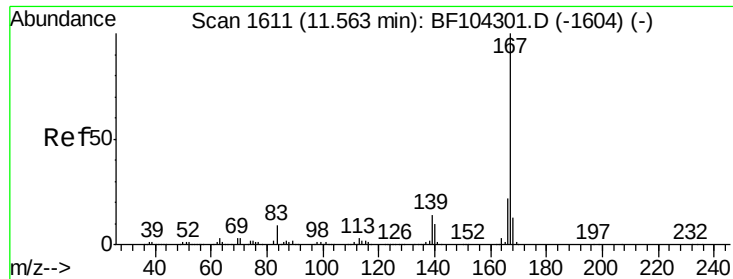
Tot Ion:178 Resp: 385057
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.9 13.0 19.6



#71
Anthracene
Concen: 4.860 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:178 Resp: 111714
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 15.1 12.6 19.0





#72

Carbazole

Concen: 2.137 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampleId :

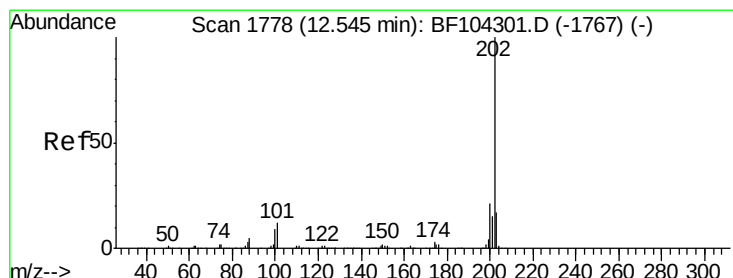
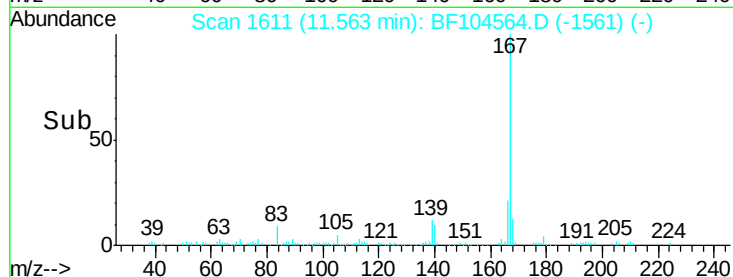
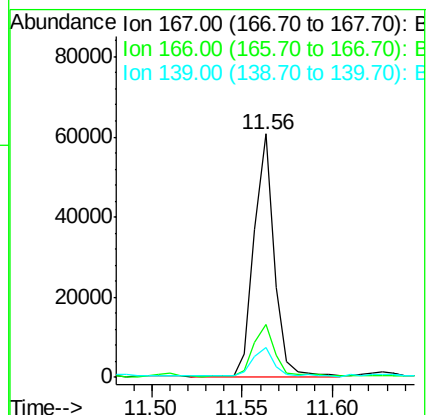
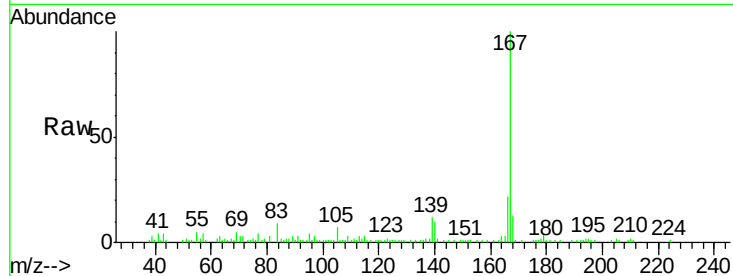
Tot Ion:167 Resp: 47991

Ion Ratio Lower Upper

167 100

166 21.5 17.6 26.4

139 12.0 10.9 16.3



#74

Fluoranthene

Concen: 22.703 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

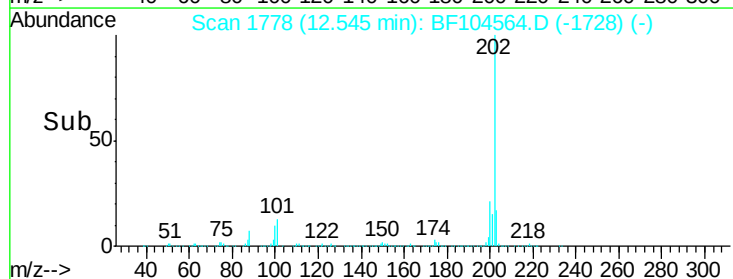
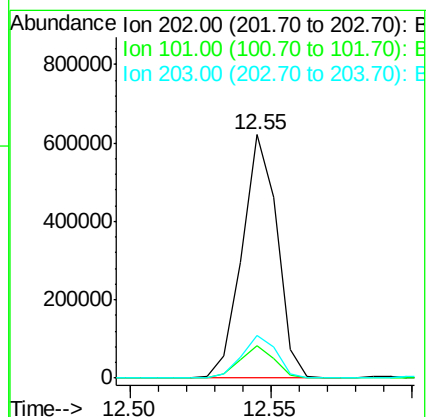
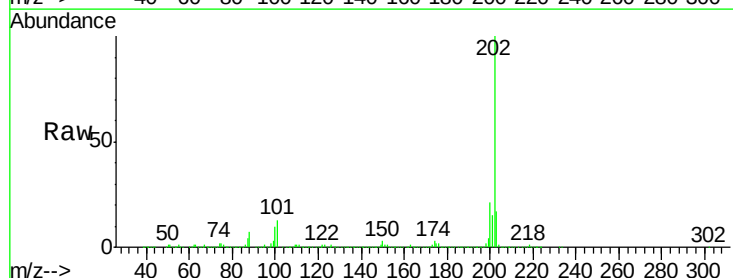
Tgt Ion:202 Resp: 536363

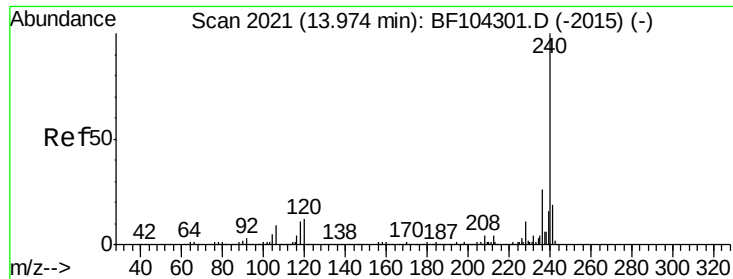
Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

203 17.4 0.0 38.1

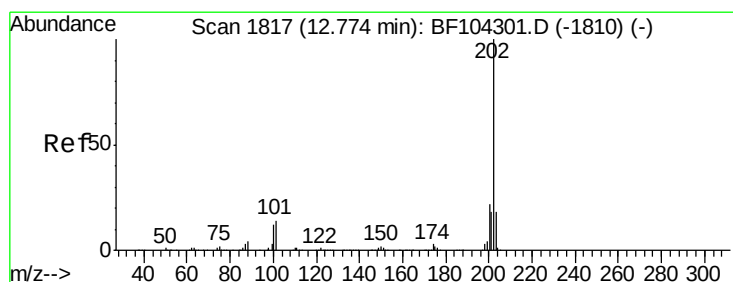
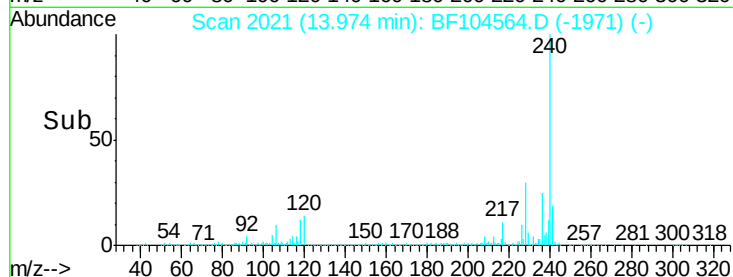
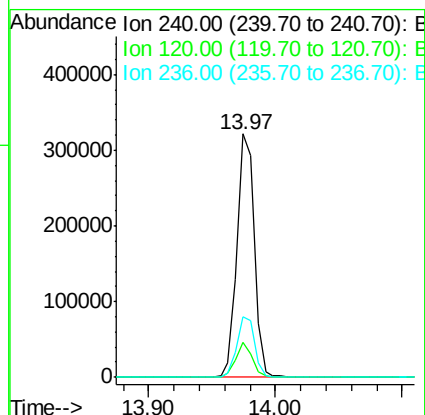
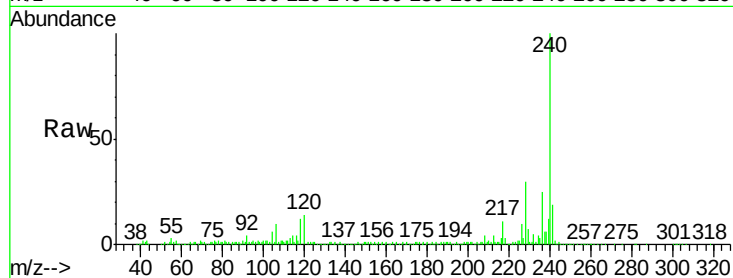




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

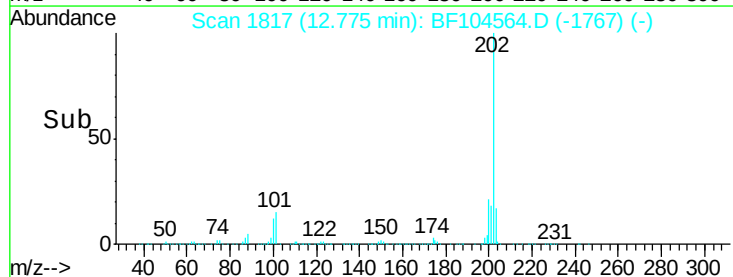
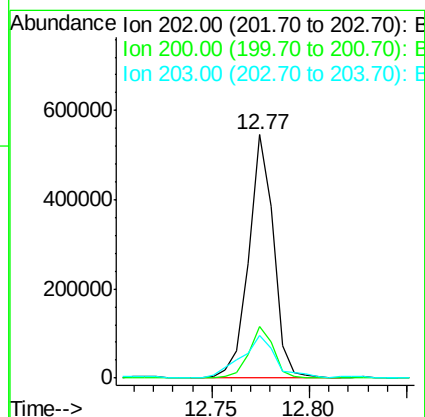
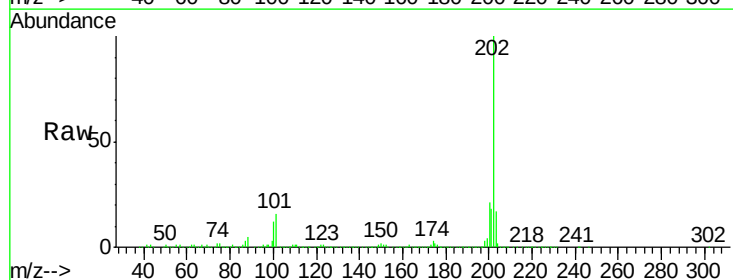
Instrument :
BNA_F
ClientSampleId :

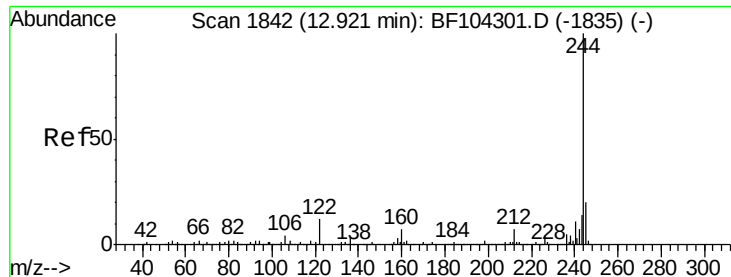
Tot Ion:240 Resp: 301559
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 24.9 20.7 31.1



#77
Pyrene
Concen: 21.481 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:202 Resp: 480153
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.3 14.3 21.5

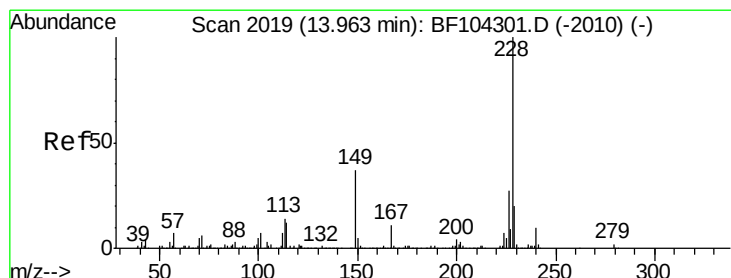
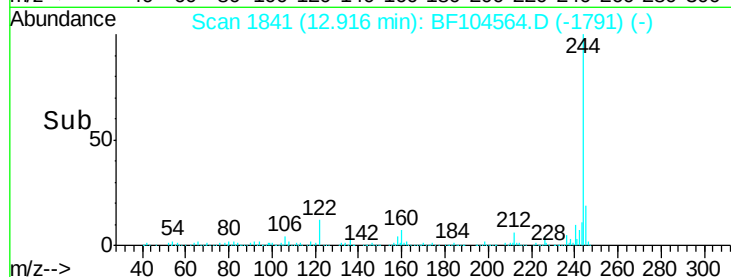
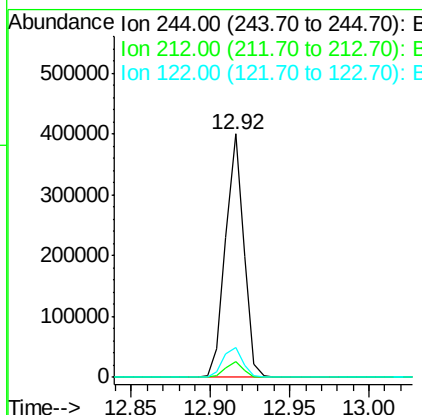
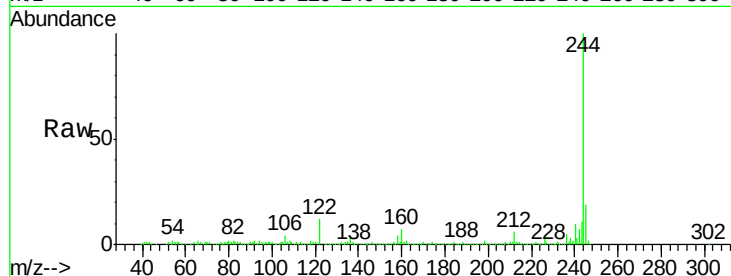




#78
 Terphenyl-d14
 Concen: 24.189 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

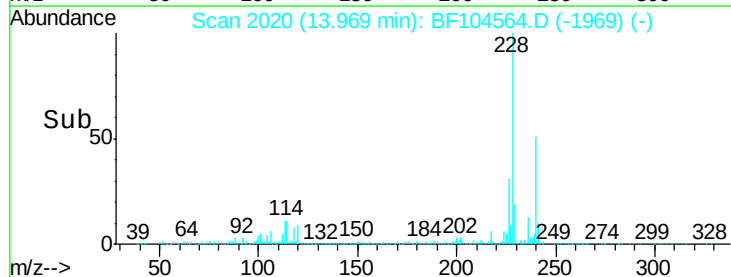
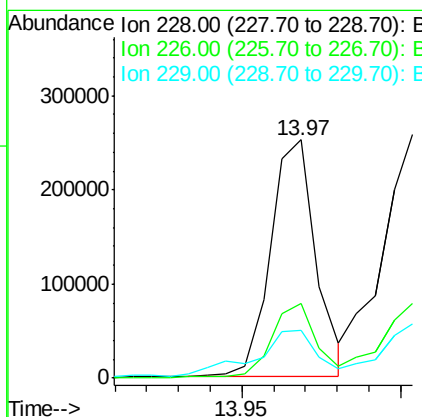
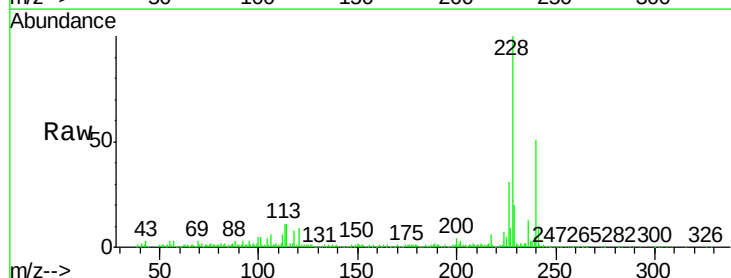
Instrument :
 BNA_F
 ClientSampleId :

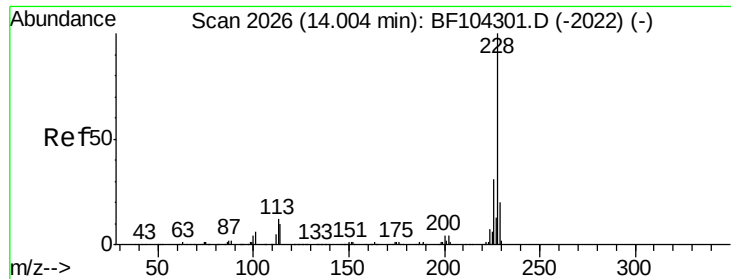
Tot Ion:244 Resp: 319956
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 12.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 13.965 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Tgt Ion:228 Resp: 251591
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.6 33.8
 229 20.2 15.8 23.6

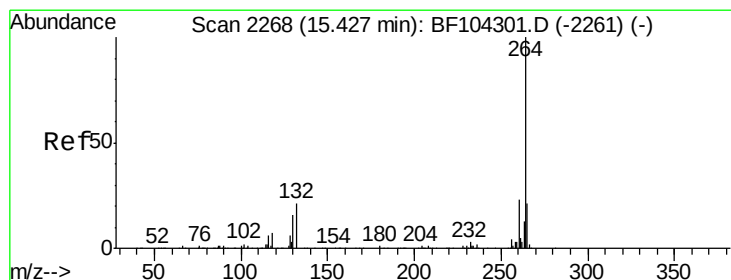
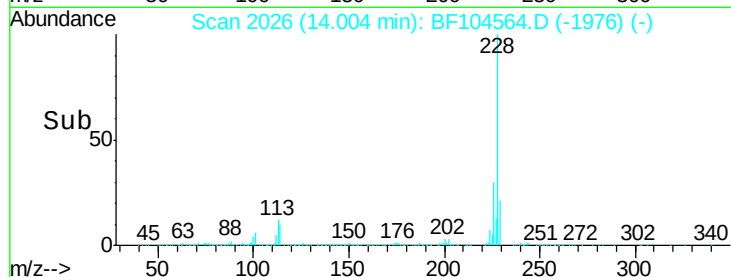
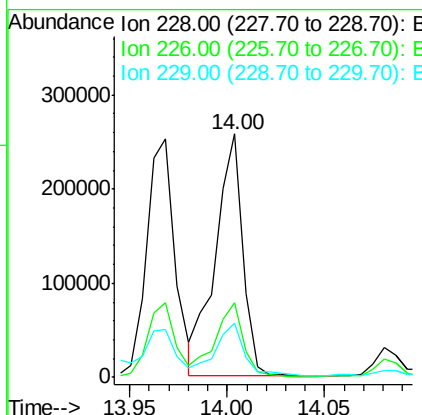
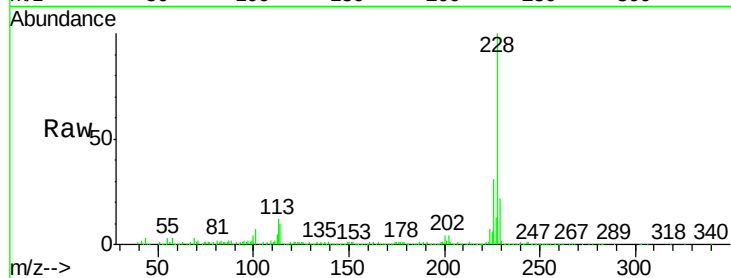




#82
Chrysene
Concen: 13.627 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

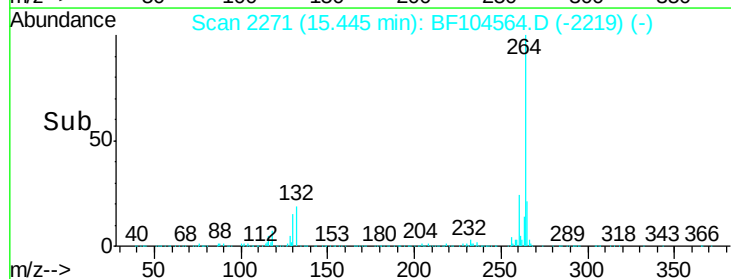
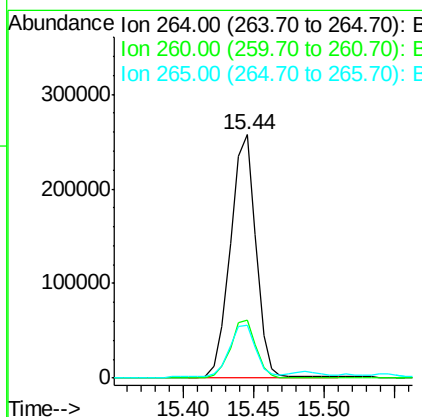
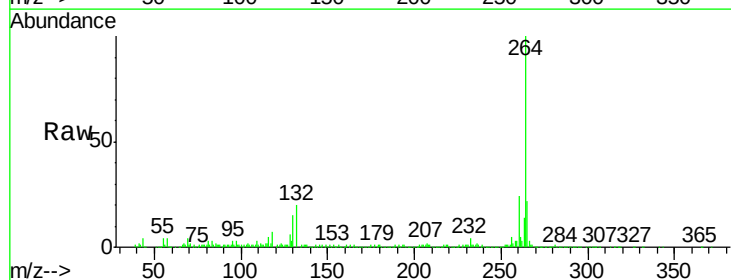
Instrument :
BNA_F
ClientSampleId :

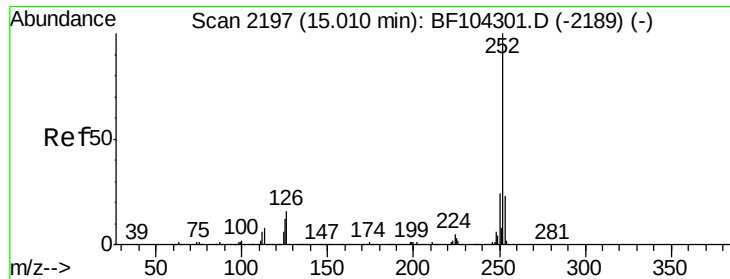
Tot Ion:228 Resp: 252156
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:264 Resp: 324710
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.6 17.5 26.3

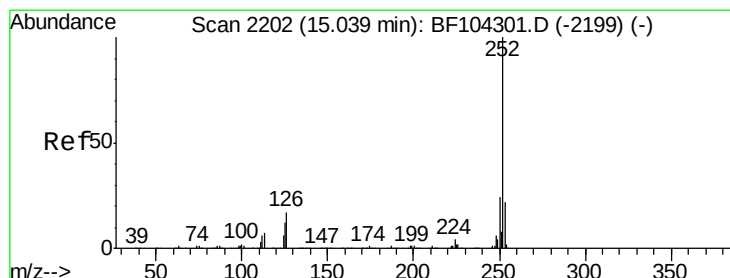
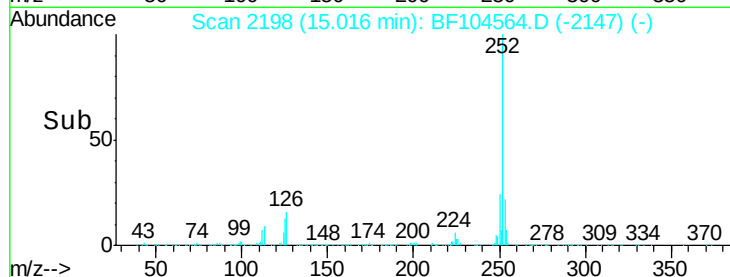
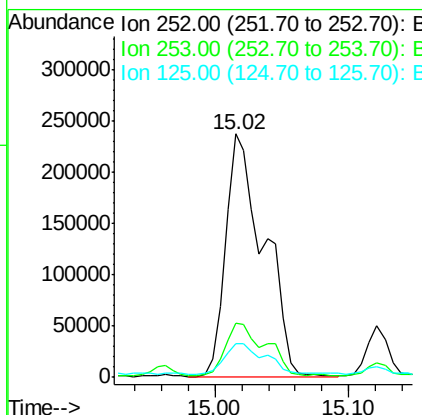
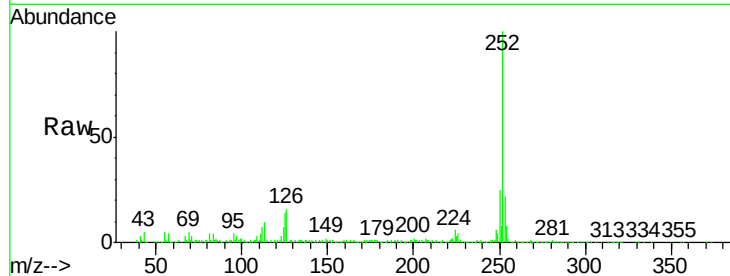




#87
Benzo(b)fluoranthene
Concen: 22.936 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

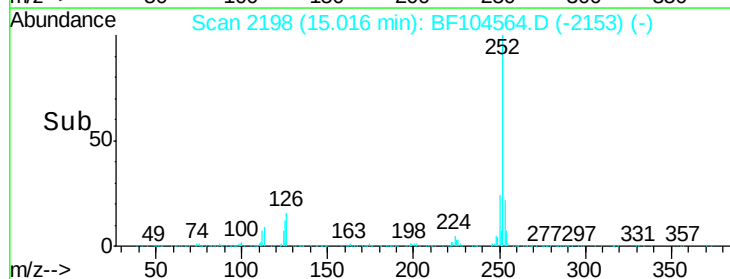
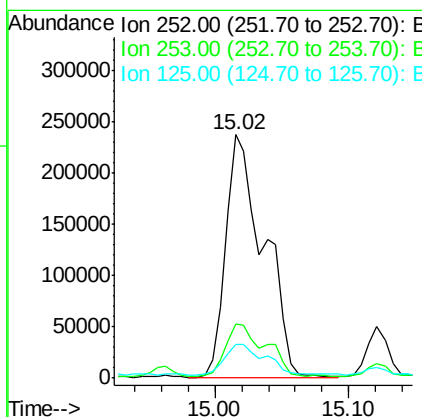
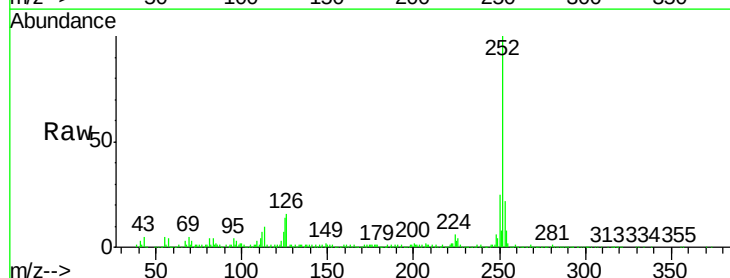
Instrument :
BNA_F
ClientSampleId :

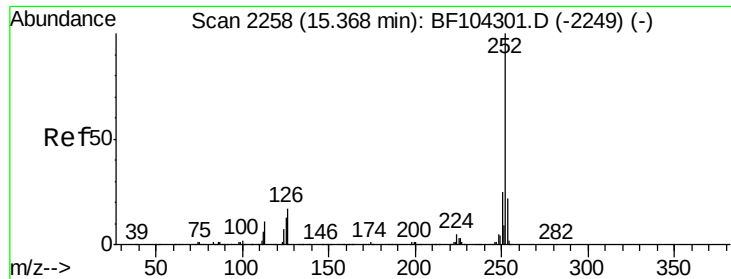
Tot Ion:252 Resp: 470371
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 13.9 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 24.294 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104564.D
Acq: 17 Apr 2018 16:38

Tgt Ion:252 Resp: 470371
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 13.9 10.2 15.2





#89

Benzo(a)pyrene

Concen: 12.392 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

Instrument :

BNA_F

ClientSampled :

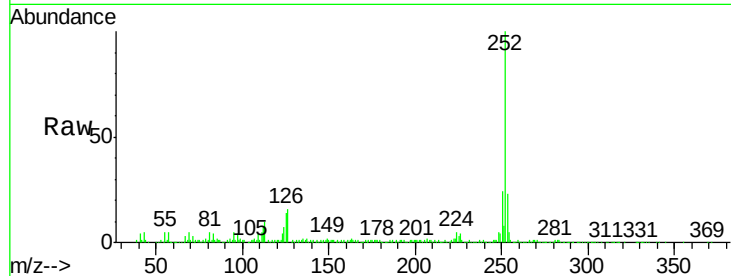
Tot Ion:252 Resp: 227382

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

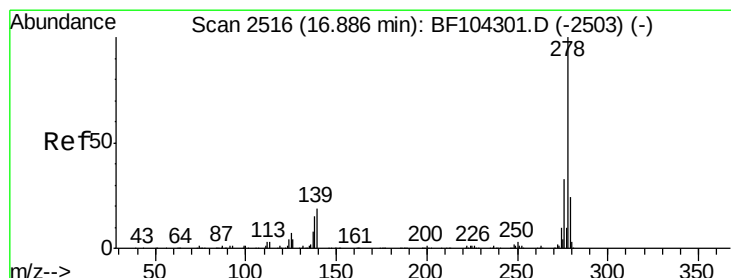
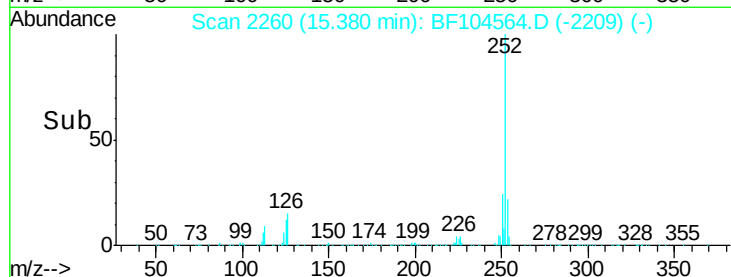
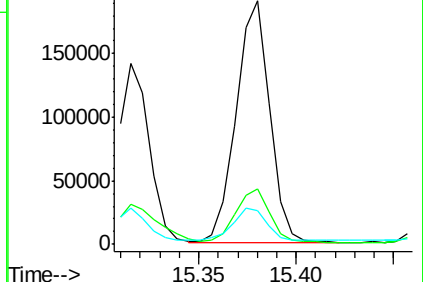
125 14.0 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.214 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BF104564.D

Acq: 17 Apr 2018 16:38

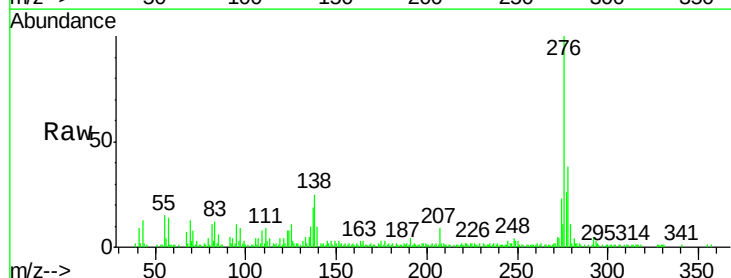
Tgt Ion:278 Resp: 33371

Ion Ratio Lower Upper

278 100

139 25.7 15.9 23.9#

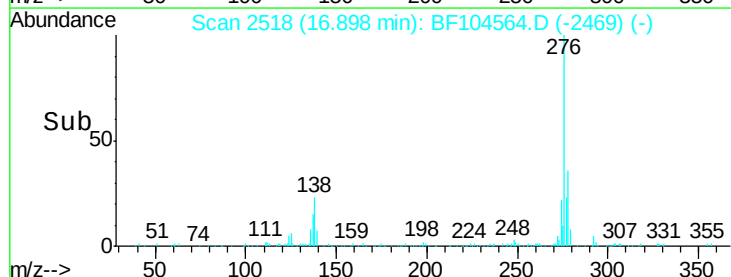
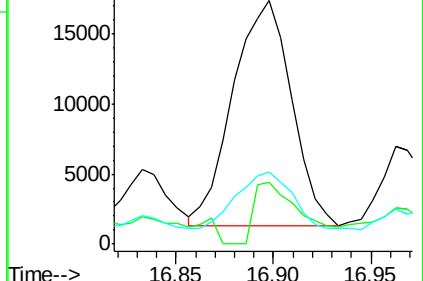
279 29.7 19.0 28.4#

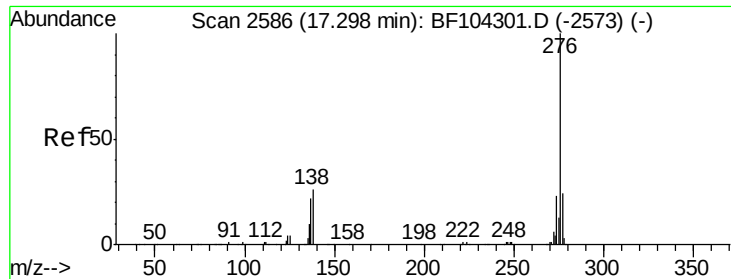


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

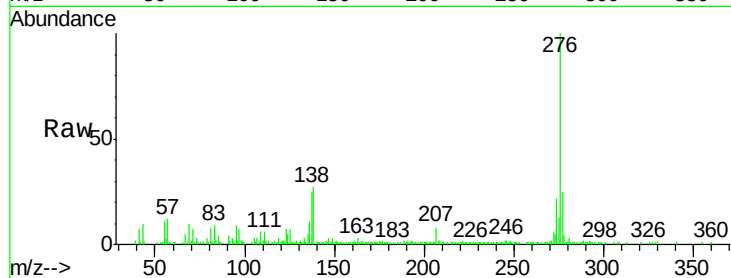




#91
 Benzo(a,h,i)perylene
 Concen: 7.739 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BF104564.D
 Acq: 17 Apr 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	26.9	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

