

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104563.D
 Acq On : 17 Apr 2018 16:11
 Operator : JU/SJ
 Sample : J2407-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 17:09:37 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	151193	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	613729	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	219351	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	432834	20.00	ng	0.00
75) Chrysene-d12	13.98	240	334935	20.00	ng	0.00
86) Perylene-d12	15.44	264	354290	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	332785	33.66	ng	0.00
7) Phenol-d6	6.43	99	412667	33.97	ng	-0.01
23) Nitrobenzene-d5	7.36	82	247009	26.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	90738	39.88	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	439747	31.67	ng	0.00
78) Terphenyl-d14	12.92	244	343438	23.38	ng	0.00

Target Compounds

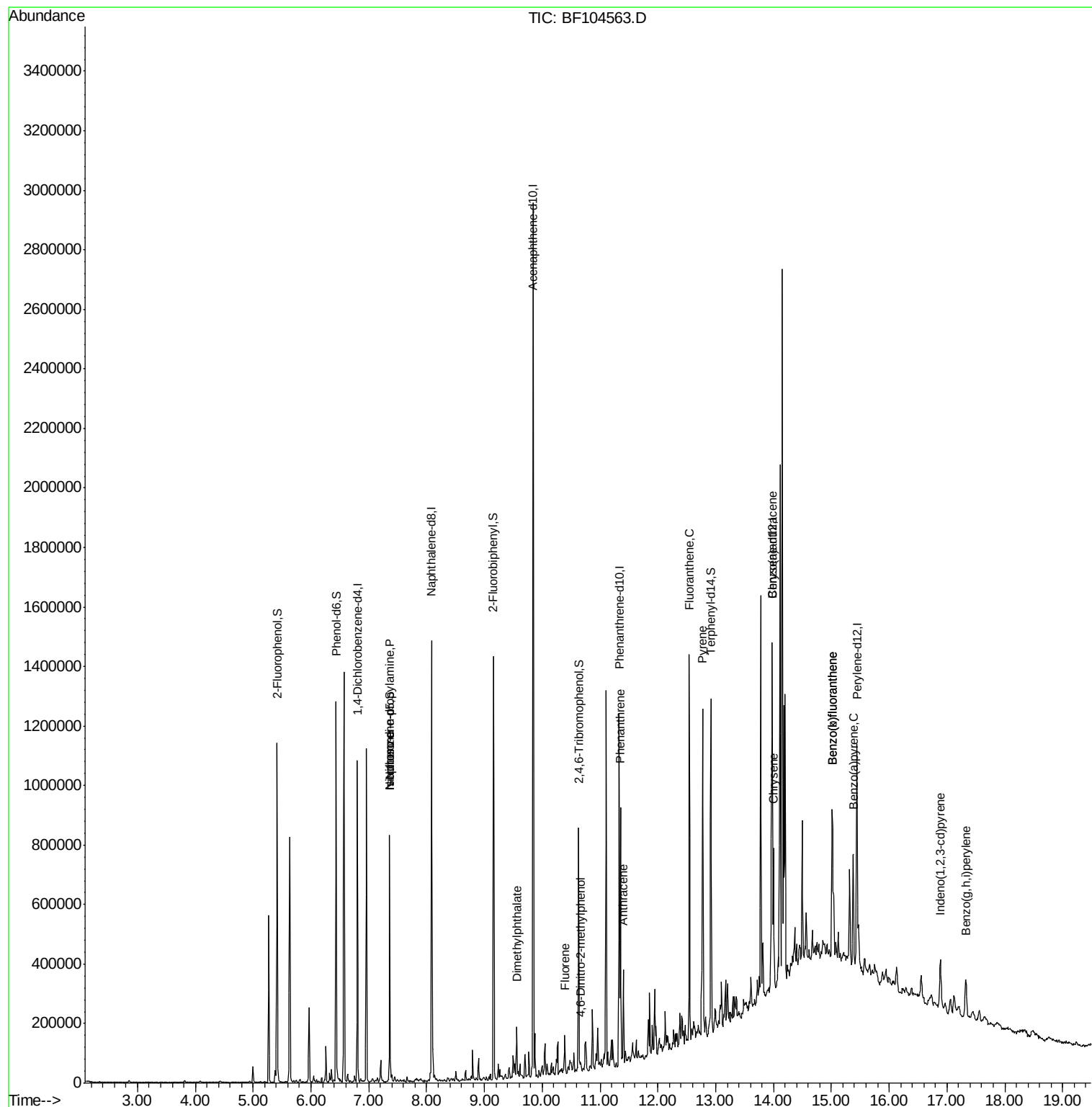
						Qvalue
9) Benzaldehyde	6.35	77	6722	Below Cal	#	75
19) n-Nitroso-di-n-propylamine	7.36	70	31727	3.996 ng	#	74
25) Isophorone	7.36	82	247007	12.428 ng	#	64
49) Dimethylphthalate	9.56	163	48063	2.779 ng		98
57) Fluorene	10.39	166	32301	2.285 ng	#	98
64) 4,6-Dinitro-2-methylphenol	10.66	198	230	7.439 ng	#	1
70) Phenanthrene	11.36	178	304111	12.616 ng		98
71) Anthracene	11.40	178	109499	4.469 ng		98
74) Fluoranthene	12.54	202	454181	18.034 ng		99
76) Benzidine	12.67	184	235	Below Cal	#	1
77) Pyrene	12.77	202	436997	17.602 ng		99
80) Benzo(a)anthracene	13.97	228	199495	9.970 ng		96
82) Chrysene	14.00	228	200728	9.767 ng		96
85) Indeno(1,2,3-cd)pyrene	16.89	276	106796	6.117 ng		93
87) Benzo(b)fluoranthene	15.02	252	361841	16.171 ng	#	95
88) Benzo(k)fluoranthene	15.02	252	361841	17.128 ng		97
89) Benzo(a)pyrene	15.38	252	181836	9.082 ng		96
91) Benzo(g,h,i)perylene	17.33	276	99470	6.244 ng		94

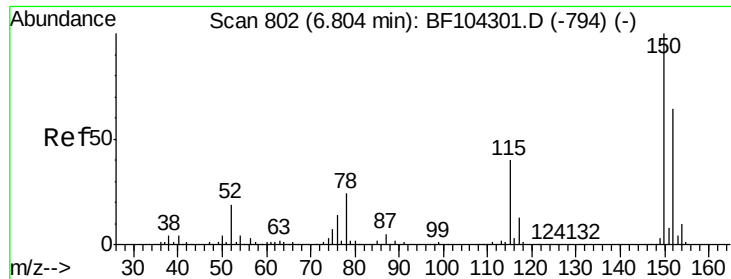
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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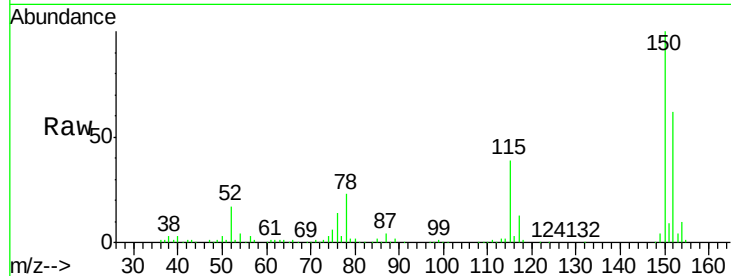


#1

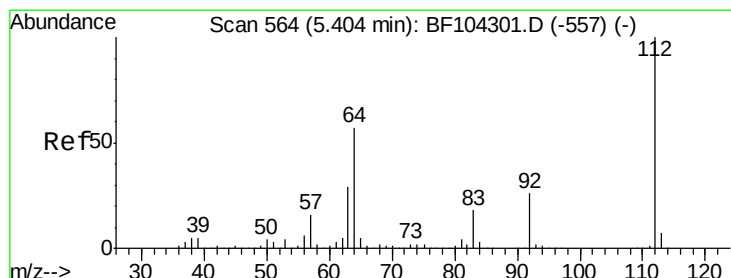
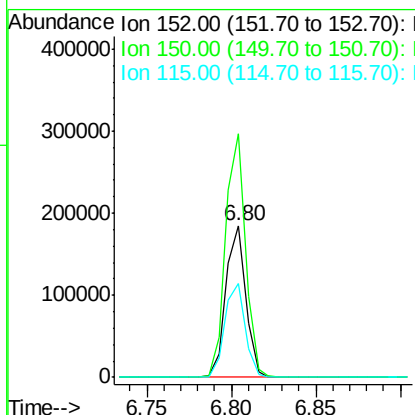
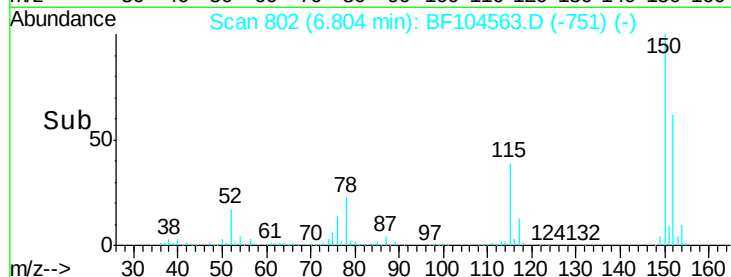
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	62.1	50.1	75.1



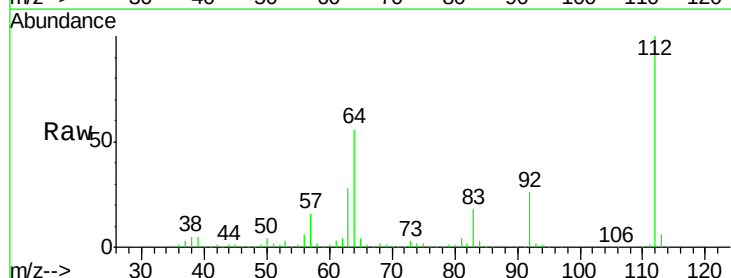
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



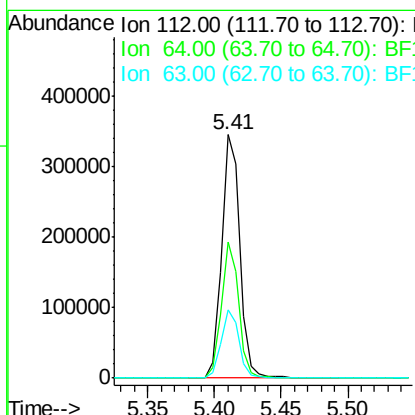
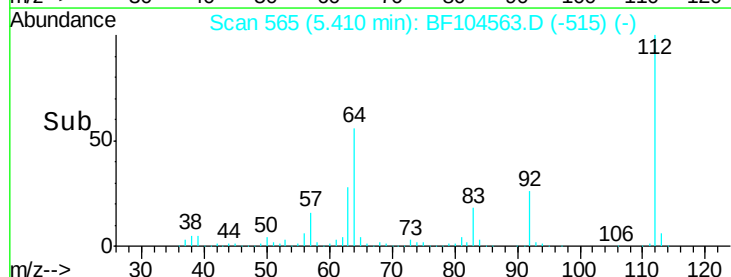
#5

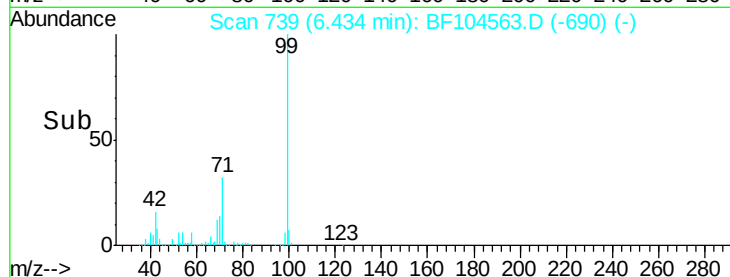
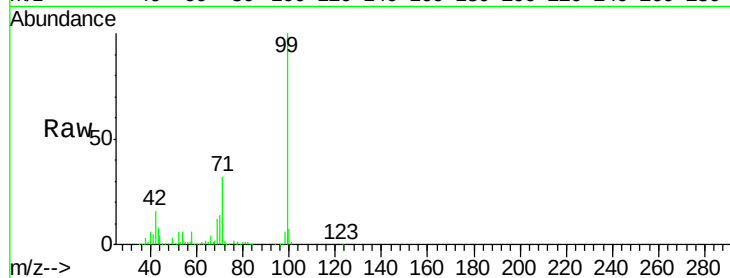
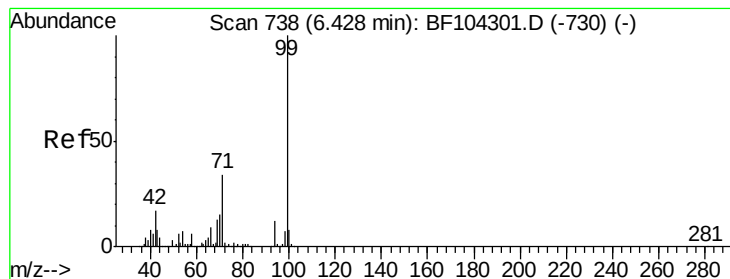
2-Fluorophenol
Concen: 33.655 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.0	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: 33.967 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

ClientSampleId :

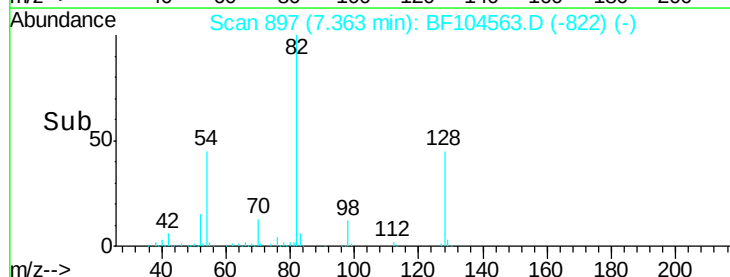
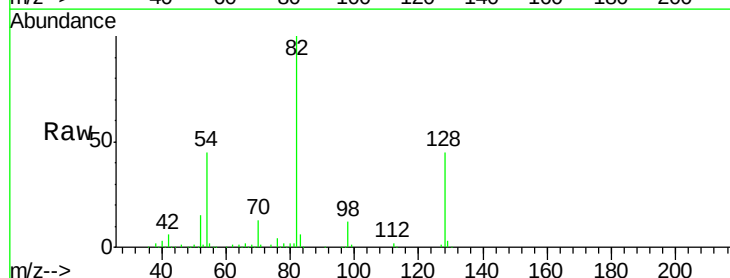
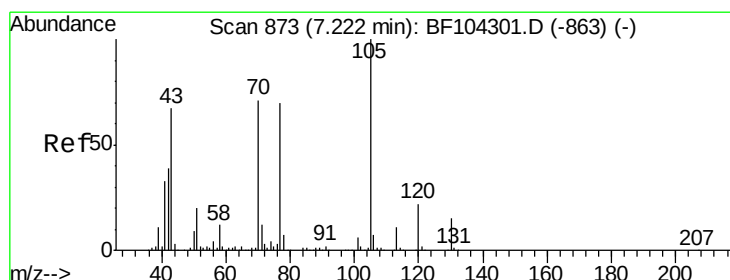
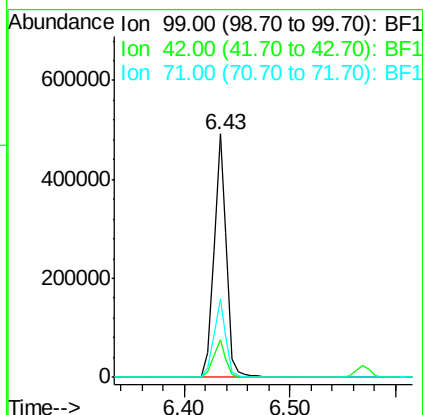
Tot Ion: 99 Resp: 412667

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.996 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Tgt Ion: 70 Resp: 31727

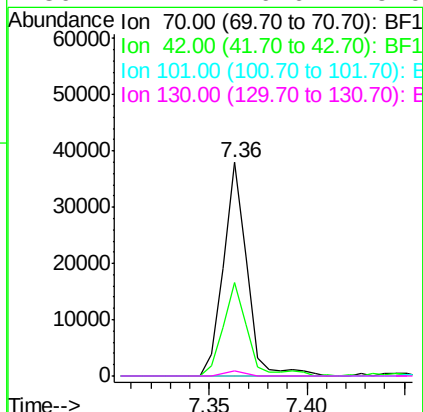
Ion Ratio Lower Upper

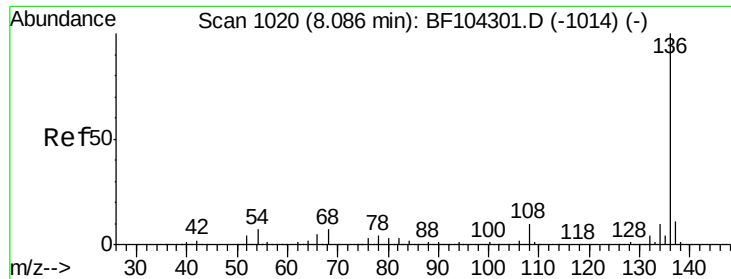
70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

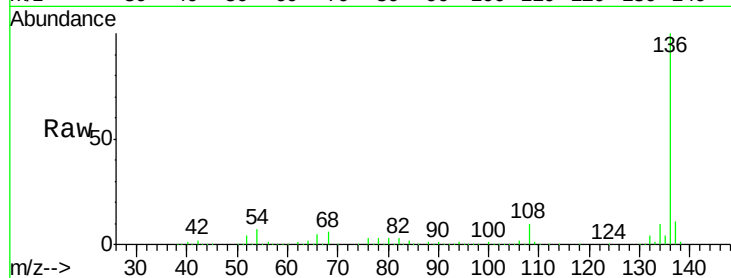




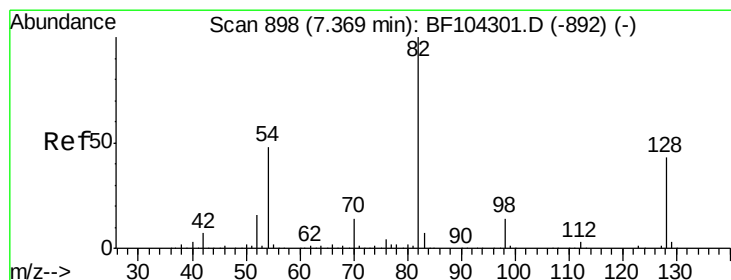
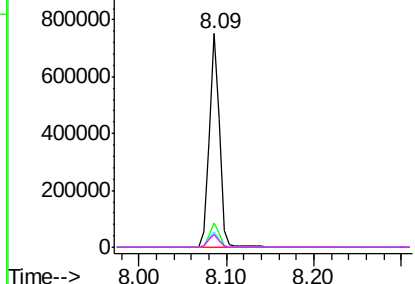
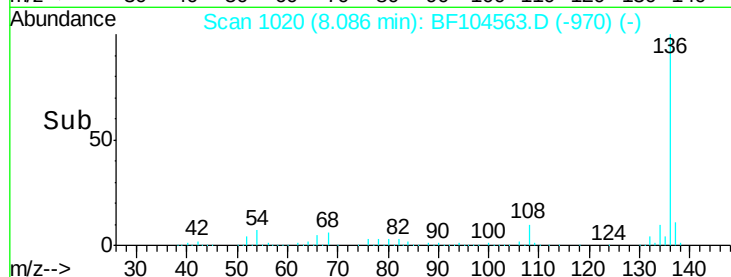
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	613729	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	8.9	13.3	
54 7.1	6.6	9.8	
68 6.2	5.0	7.4	

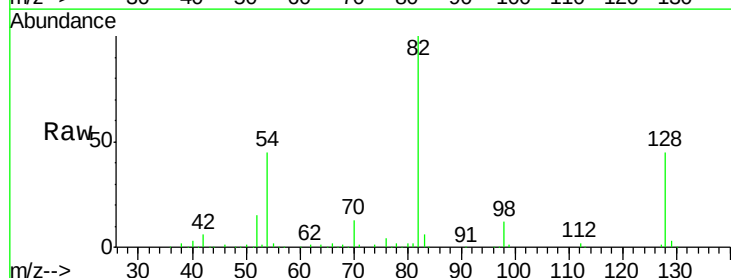


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

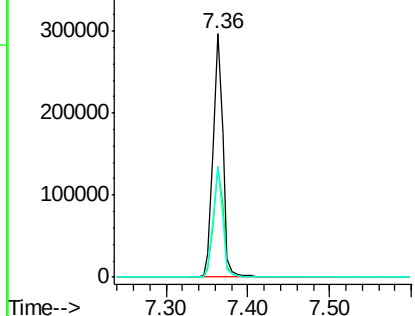
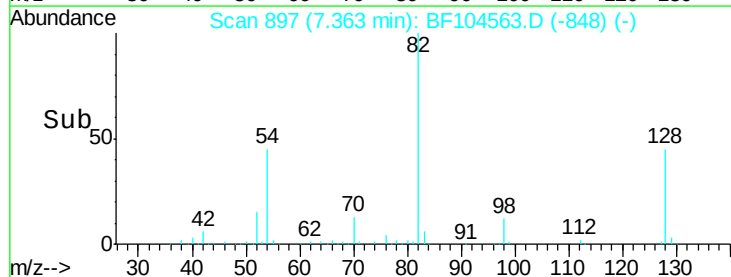


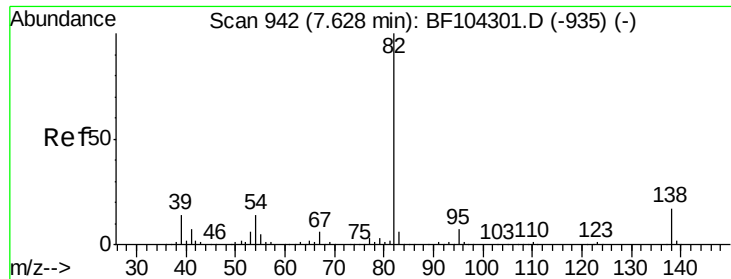
#23
Nitrobenzene-d5
Concen: 26.281 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion: 82	Resp: 247009
Ion Ratio	Lower Upper
82 100	
128 45.2	36.1 54.1
54 45.4	41.4 62.2



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





#25

Isophorone

Concen: 12.428 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

ClientSampleId :

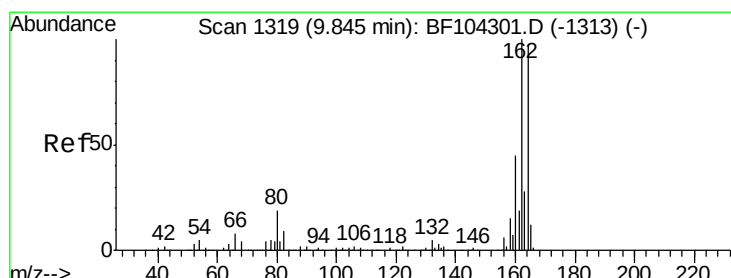
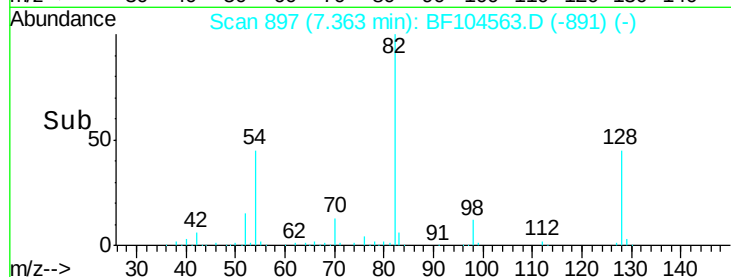
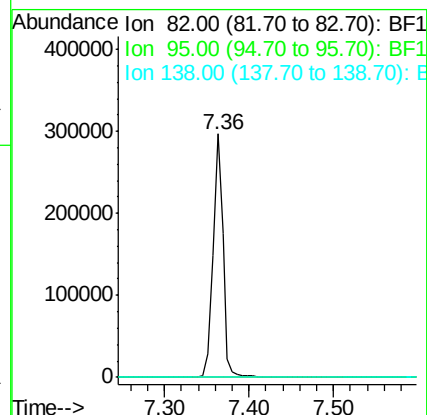
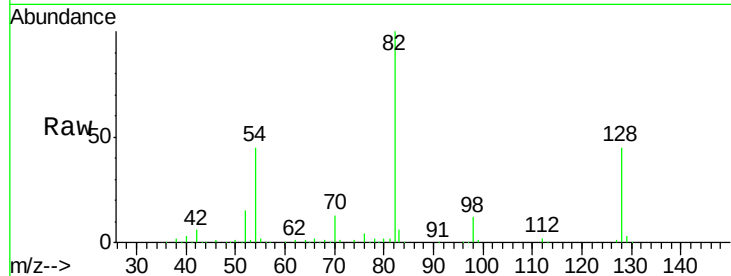
Tot Ion: 82 Resp: 247007

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

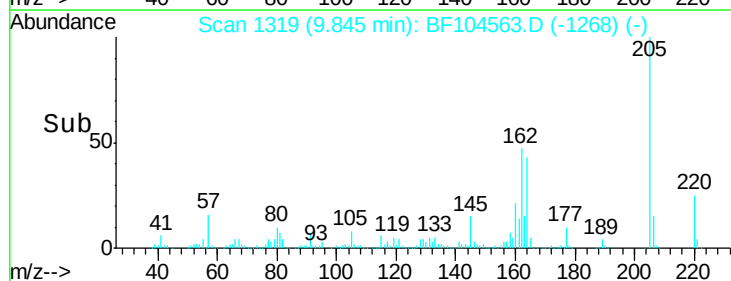
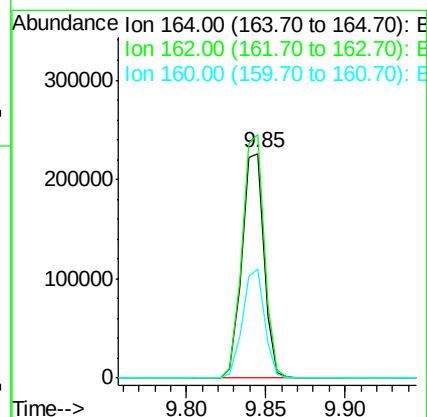
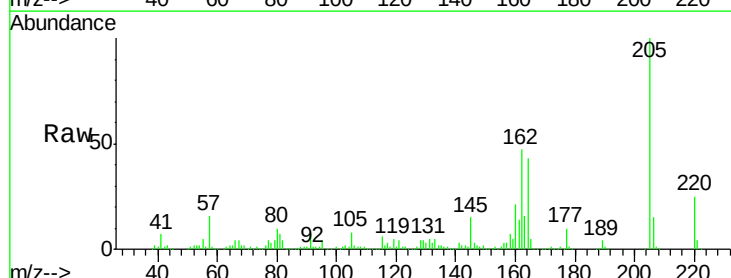
Tgt Ion:164 Resp: 219351

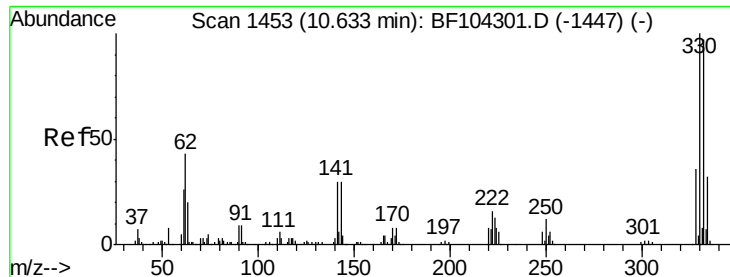
Ion Ratio Lower Upper

164 100

162 108.3 86.1 129.1

160 48.5 38.3 57.5

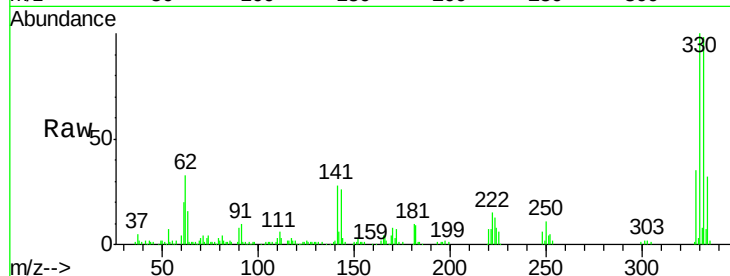




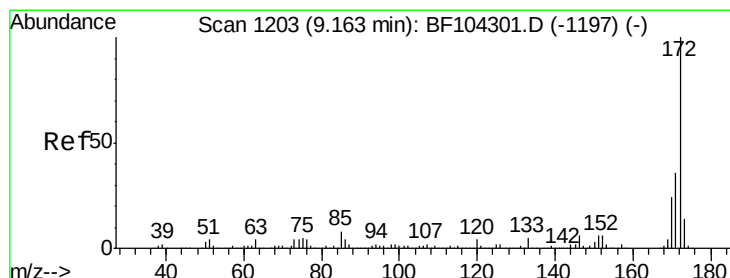
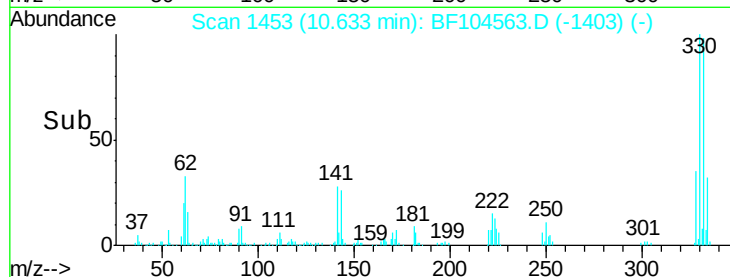
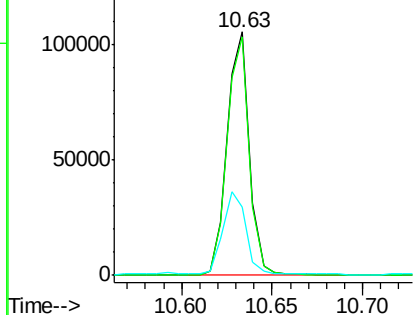
#41
 2,4,6-Tribromophenol
 Concen: 39.878 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	37.3	29.9	44.9

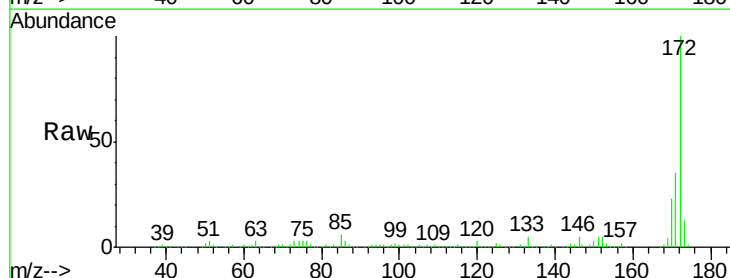


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

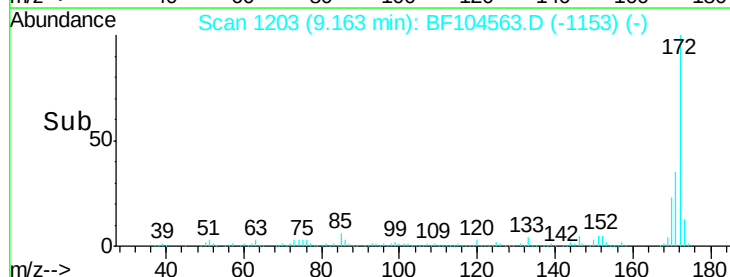
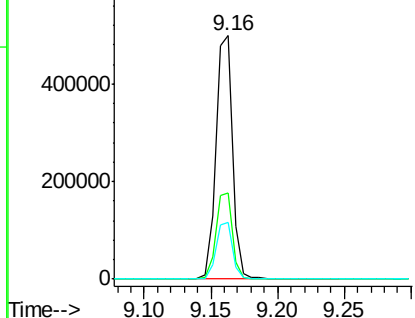


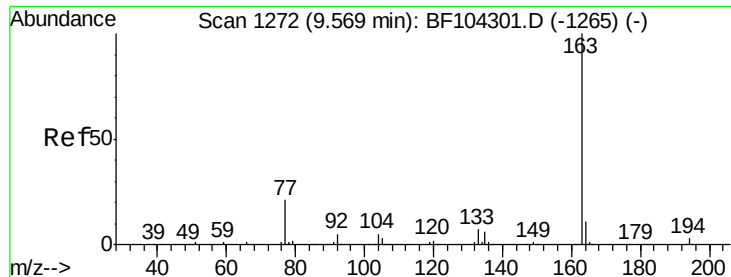
#44
 2-Fluorobiphenyl
 Concen: 31.670 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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

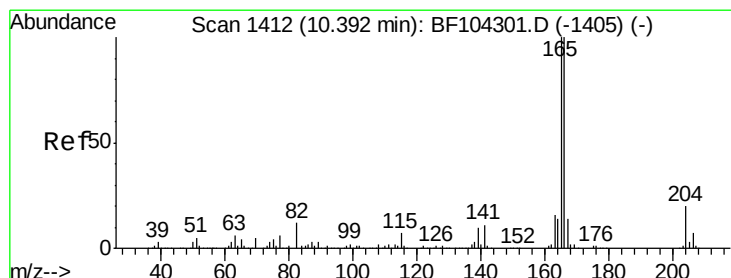
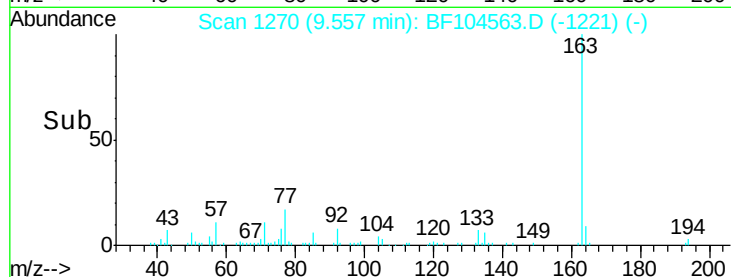
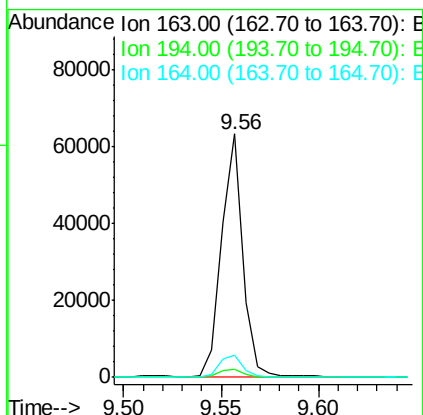
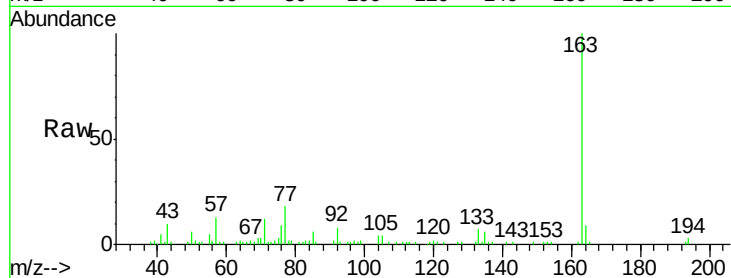




#49
Dimethylphthalate
Concen: 2.779 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

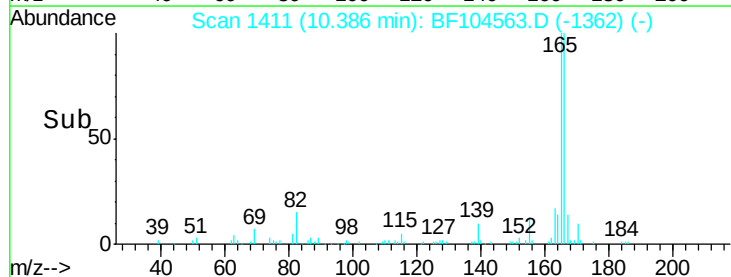
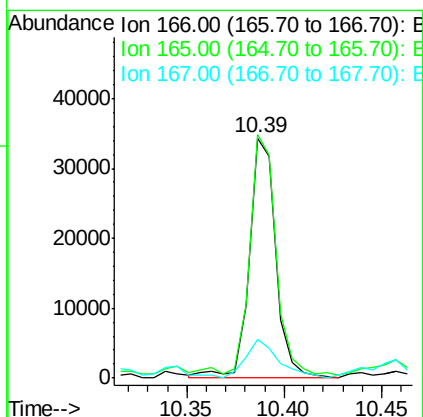
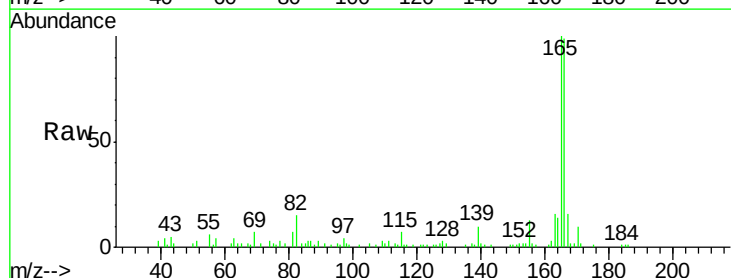
Instrument :
BNA_F
ClientSampleId :

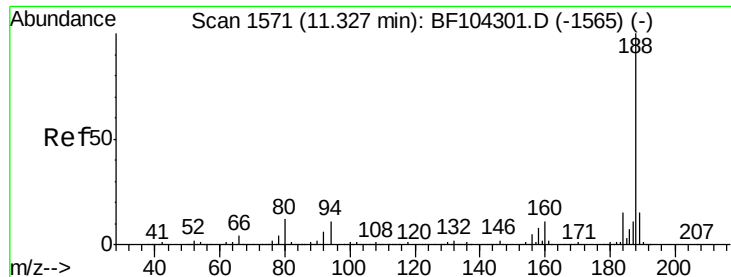
Tot Ion:163 Resp: 48063
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.2 8.2 12.2



#57
Fluorene
Concen: 2.285 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion:166 Resp: 32301
Ion Ratio Lower Upper
166 100
165 101.5 79.8 119.8
167 16.1 10.6 16.0#

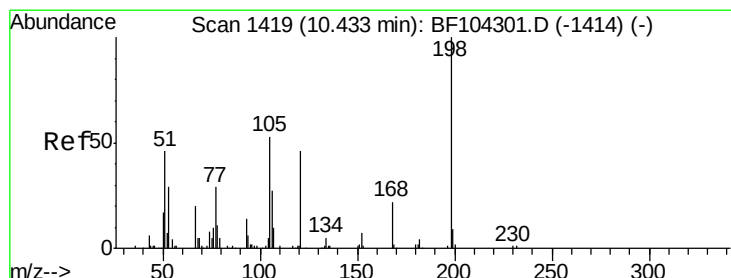
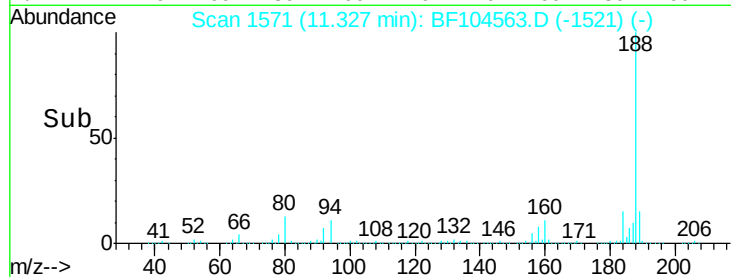
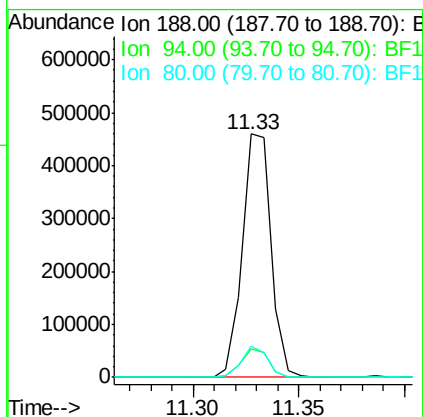
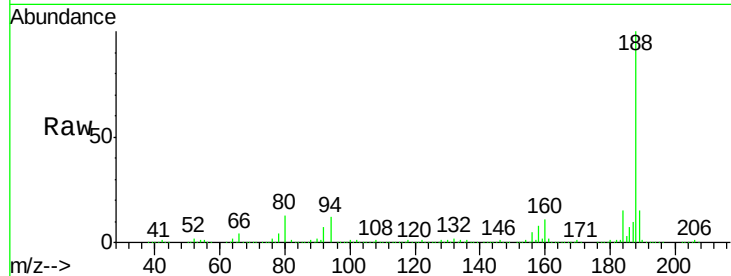




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

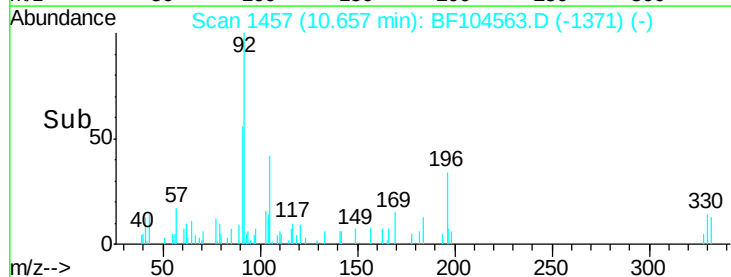
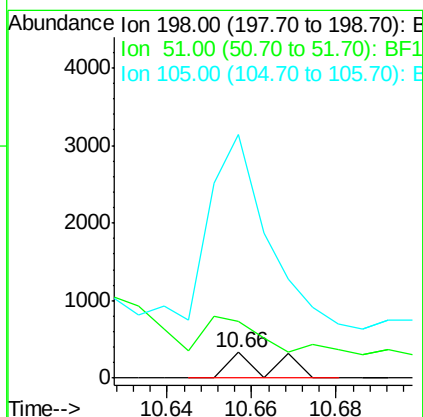
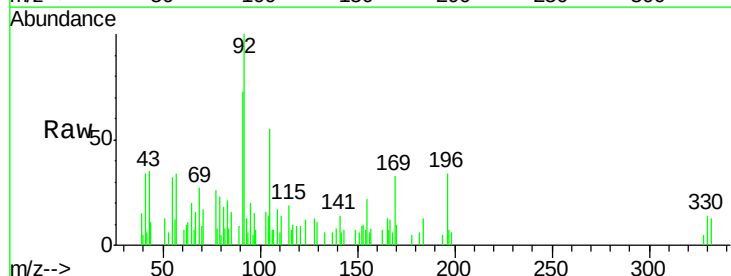
Instrument :
 BNA_F
 ClientSampleId :

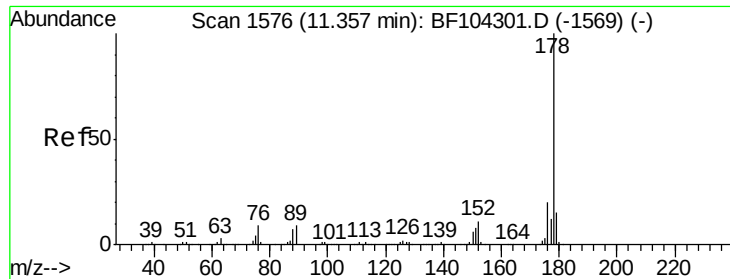
Tot Ion:188 Resp: 432834
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 12.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.439 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.21 min
 Lab File: BF104563.D
 Acq: 17 Apr 2018 16:11

Tgt Ion:198 Resp: 230
 Ion Ratio Lower Upper
 198 100
 51 222.1 37.7 77.7#
 105 948.3 36.3 76.3#





#70

Phenanthrene

Concen: 12.616 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

ClientSampled :

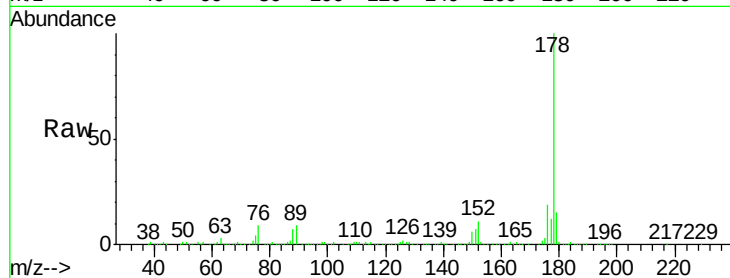
Tot Ion:178 Resp: 304111

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

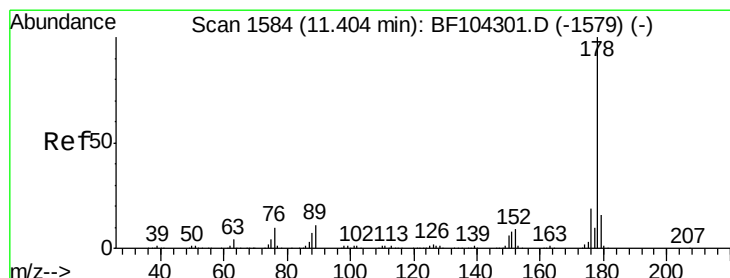
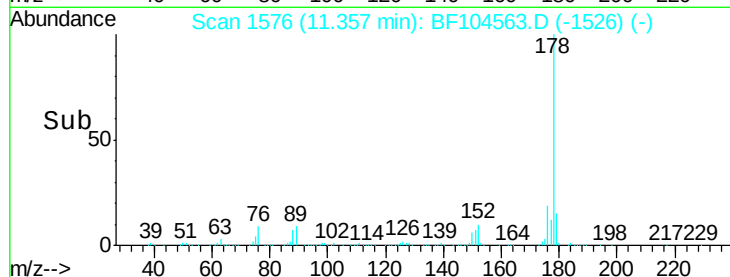
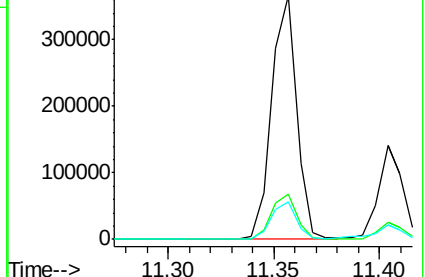
179 15.4 13.0 19.6



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: 4.469 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

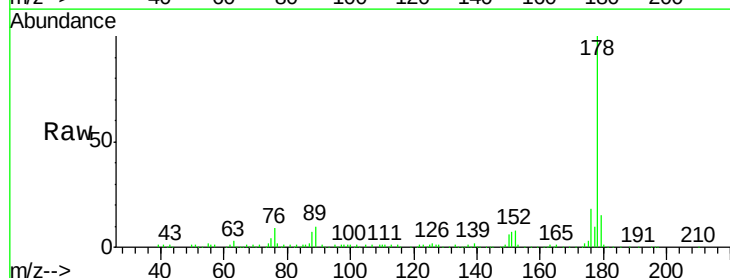
Tgt Ion:178 Resp: 109499

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

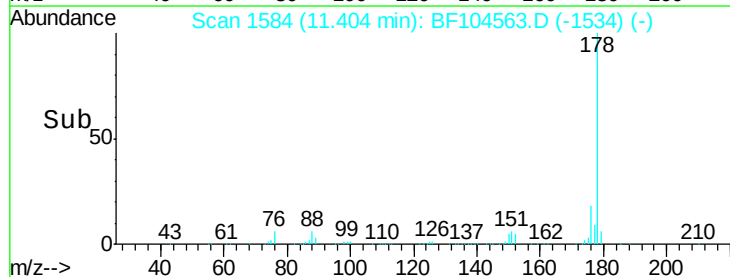
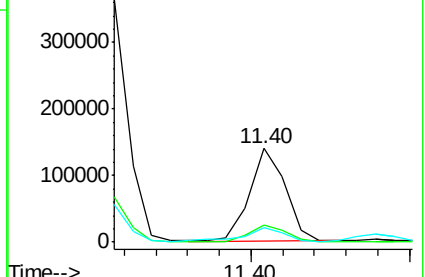
179 15.2 12.6 19.0

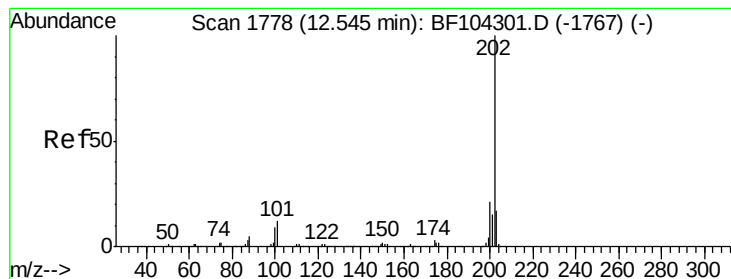


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.034 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

ClientSampleId :

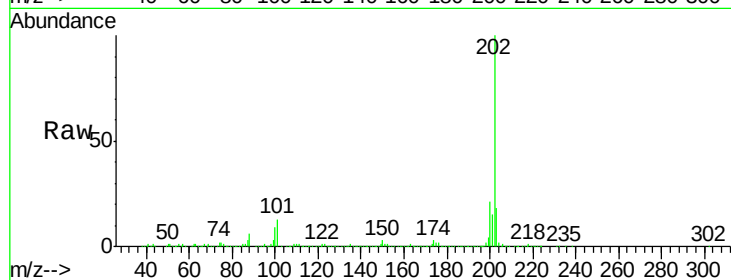
Tot Ion:202 Resp: 454181

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

203 17.8 0.0 38.1

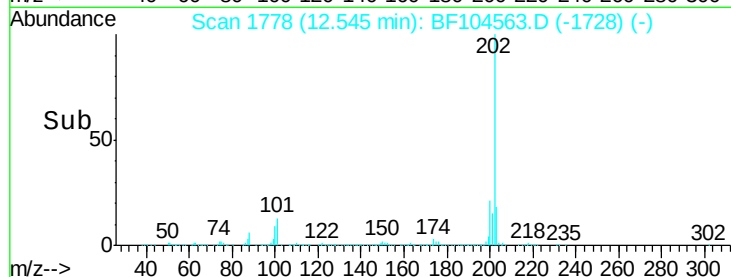


Abundance Ion 202.00 (201.70 to 202.70): E

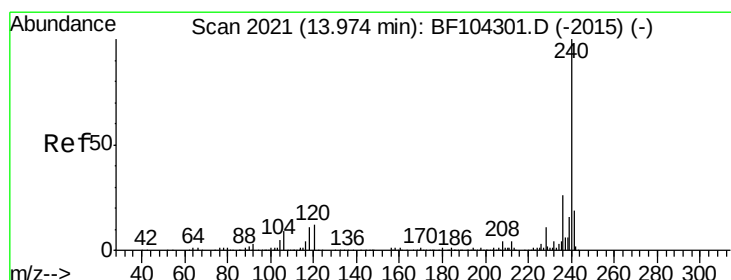
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.54



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

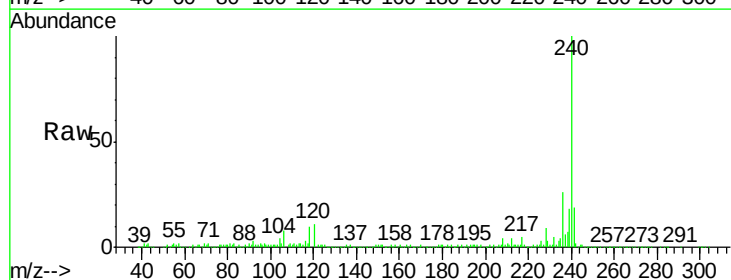
Tgt Ion:240 Resp: 334935

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

236 25.8 20.7 31.1

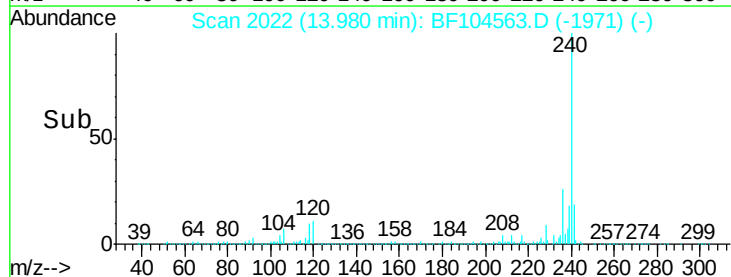


Abundance Ion 240.00 (239.70 to 240.70): E

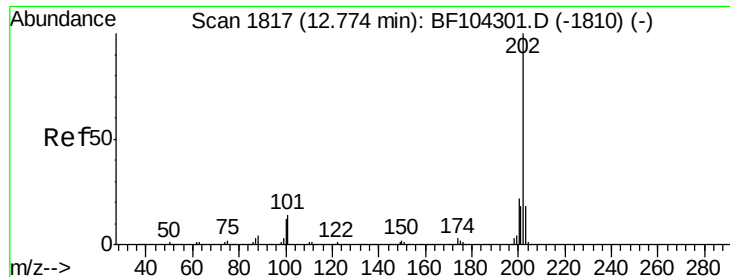
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.98



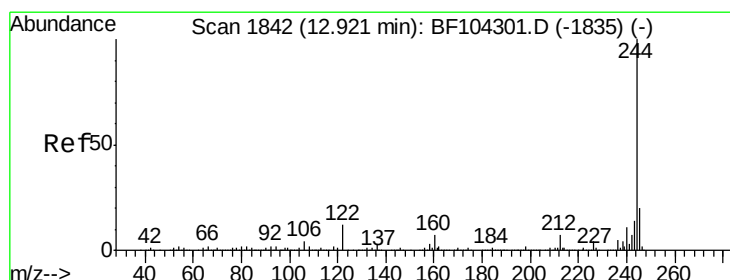
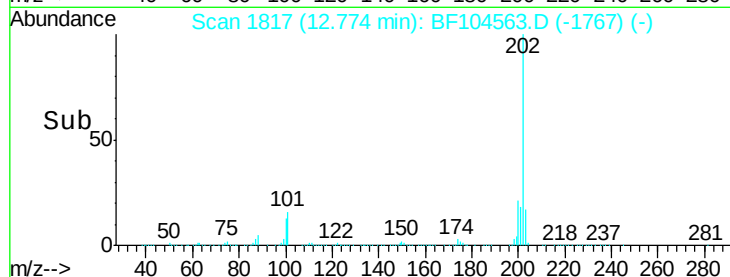
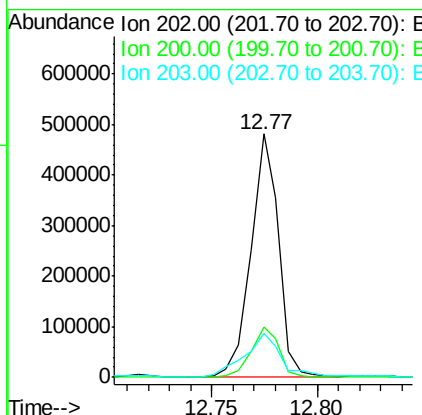
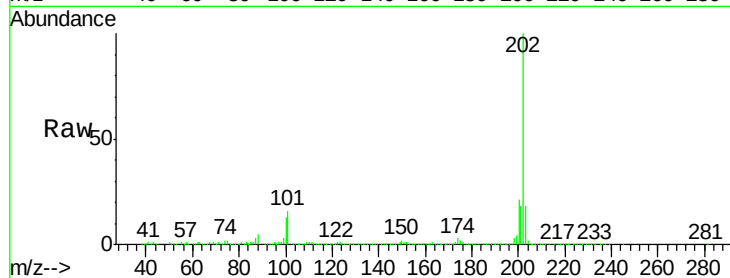
Time-->



#77
Pvrene
Concen: 17.602 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

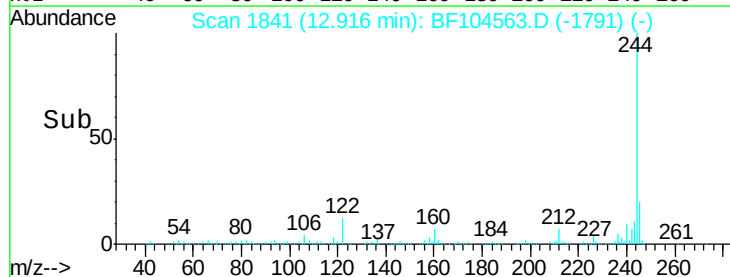
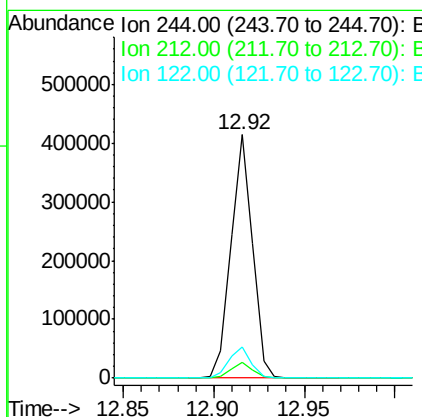
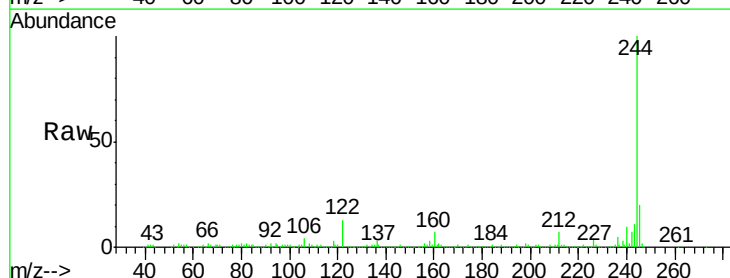
Instrument :
BNA_F
ClientSampleId :

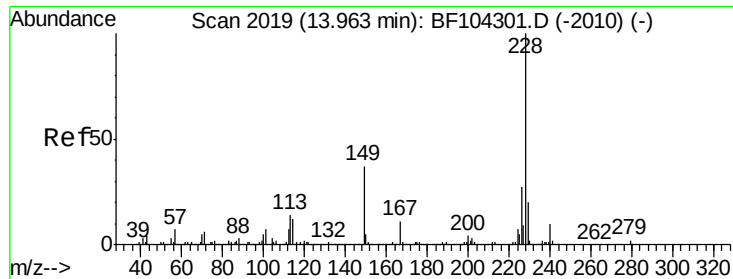
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.9	14.3	21.5



#78
Terphenyl-d14
Concen: 23.377 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4

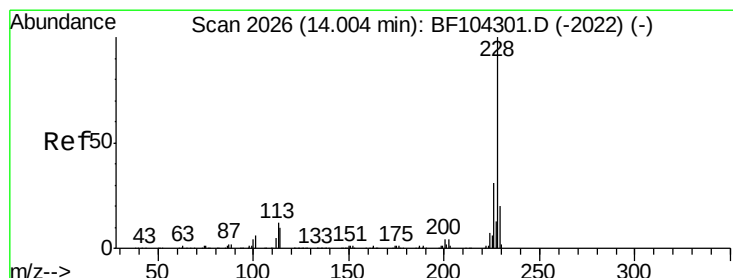
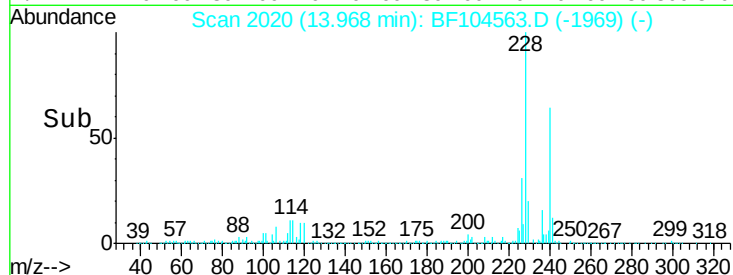
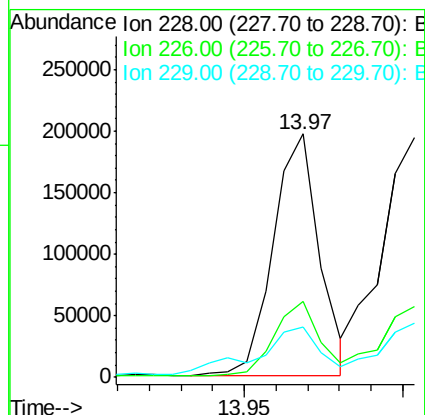
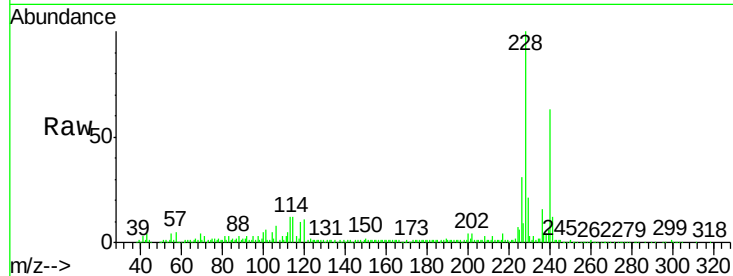




#80
Benzo(a)anthracene
Concen: 9.970 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

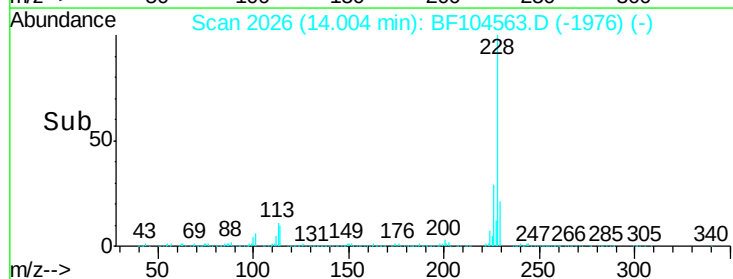
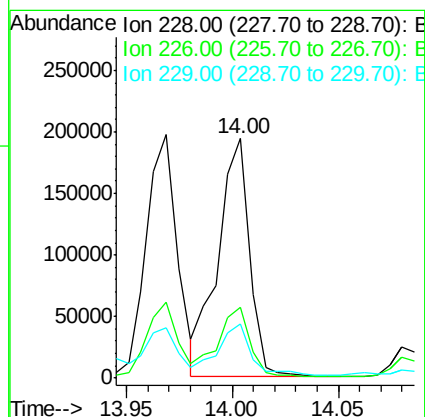
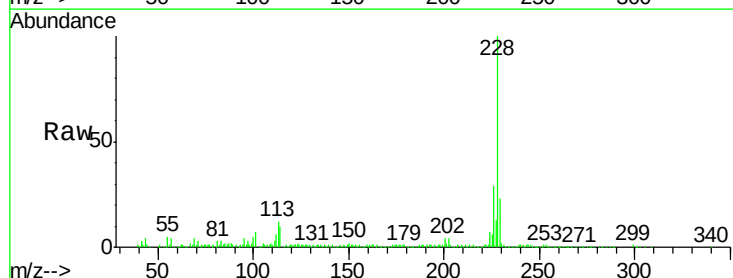
Instrument :
BNA_F
ClientSampled :

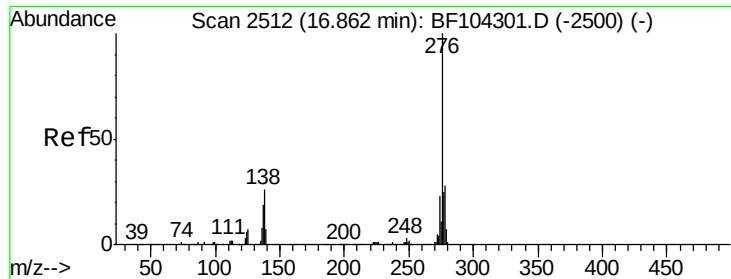
Tot Ion:228 Resp: 199495
Ion Ratio Lower Upper
228 100
226 31.1 22.6 33.8
229 20.9 15.8 23.6



#82
Chrysene
Concen: 9.767 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion:228 Resp: 200728
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.6 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.117 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

ClientSampleId :

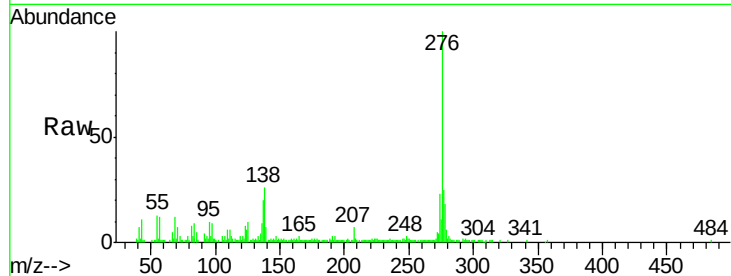
Tot Ion:276 Resp: 106796

Ion Ratio Lower Upper

276 100

138 25.5 25.0 37.6

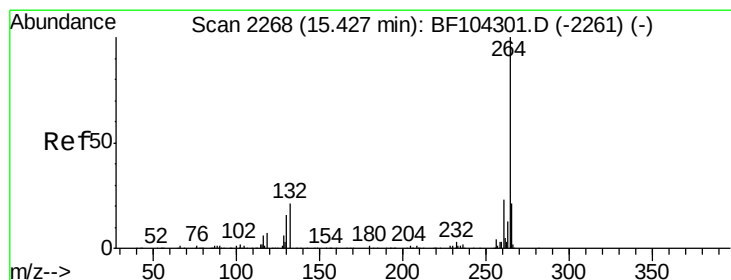
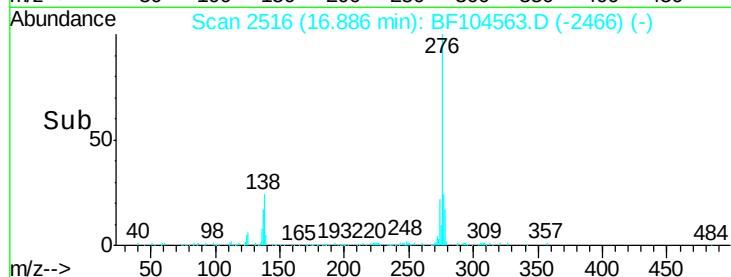
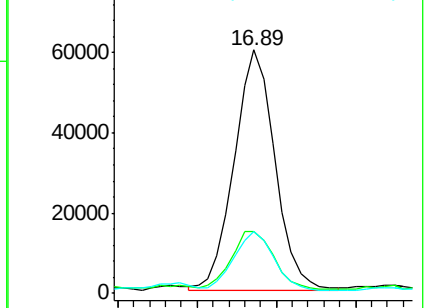
277 24.2 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

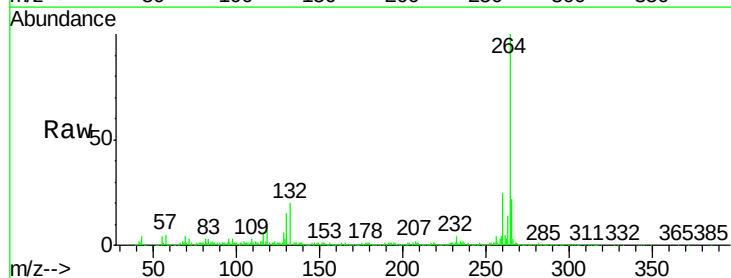
Tgt Ion:264 Resp: 354290

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

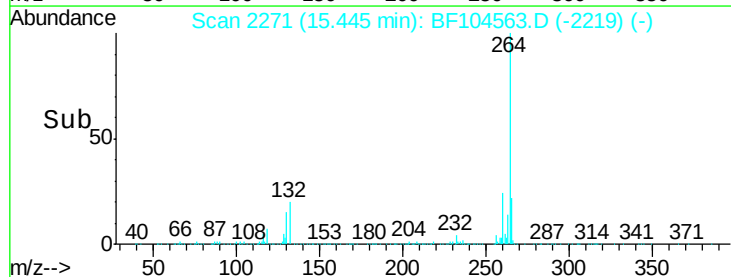
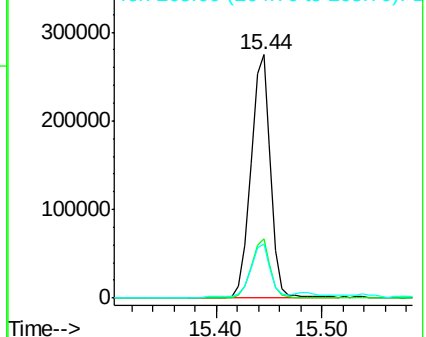
265 22.1 17.5 26.3

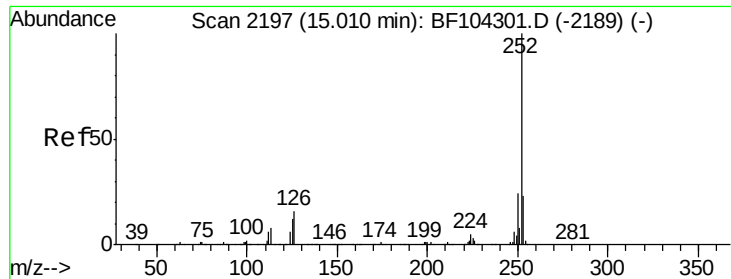


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.171 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

Instrument :

BNA_F

ClientSampleId :

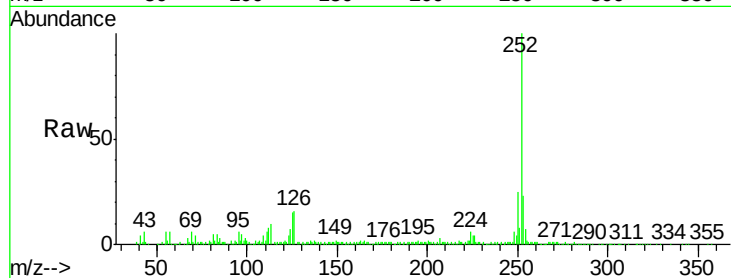
Tot Ion:252 Resp: 361841

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 15.2 9.0 13.6#

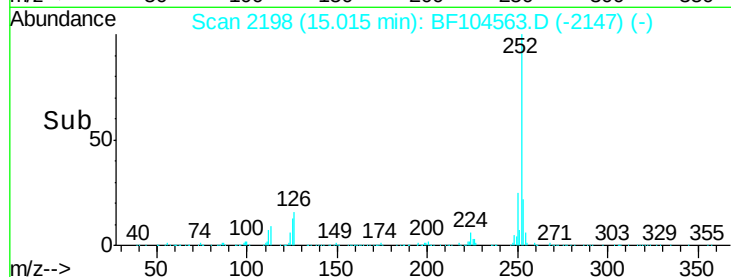


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



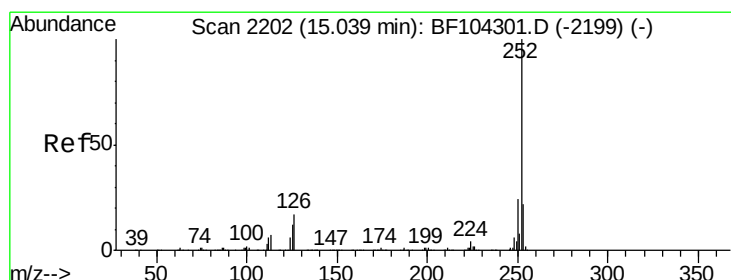
Abundance

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

Time-->



#88

Benzo(k)fluoranthene

Concen: 17.128 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF104563.D

Acq: 17 Apr 2018 16:11

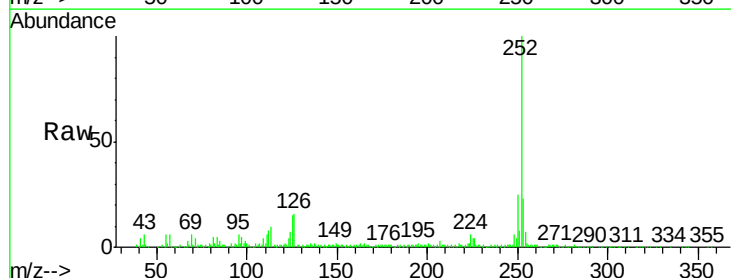
Tgt Ion:252 Resp: 361841

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 15.2 10.2 15.2

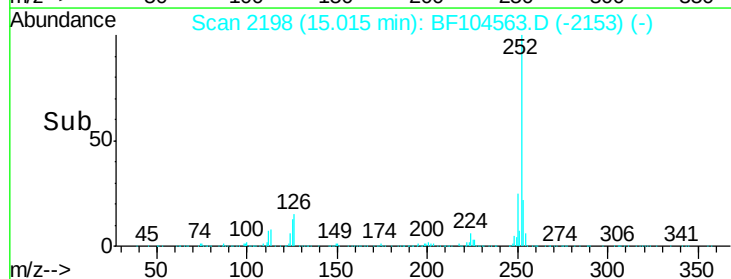


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



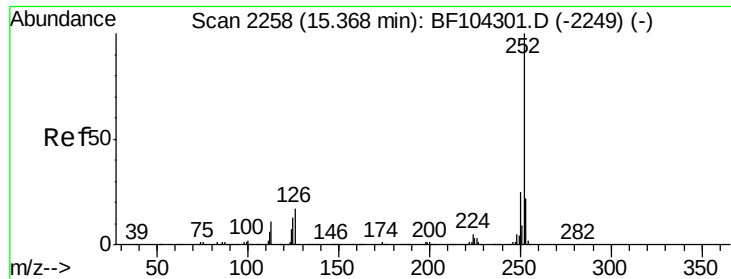
Abundance

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

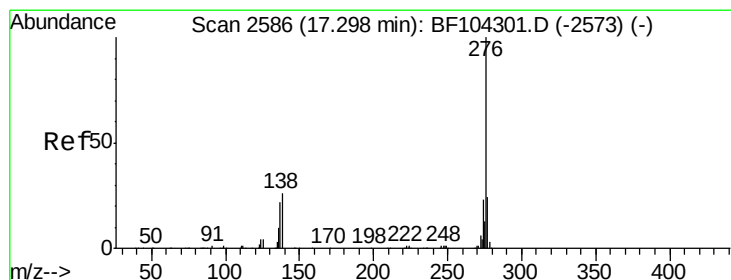
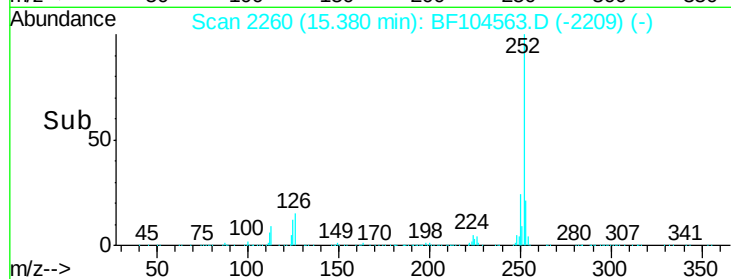
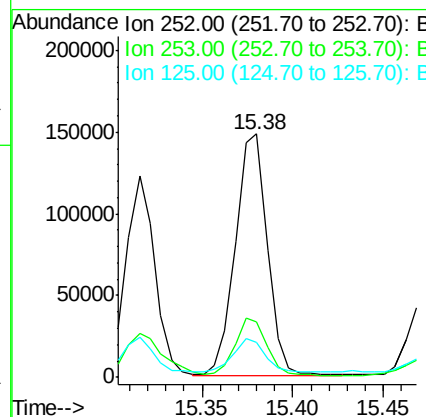
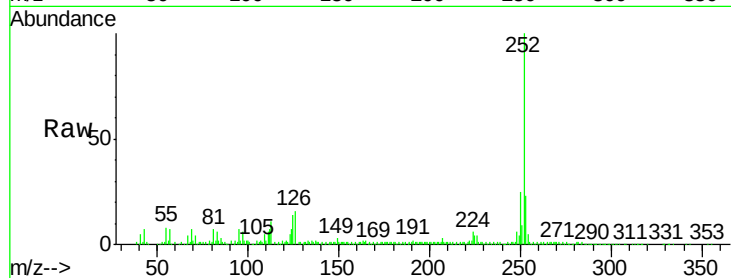
Time-->



#89
Benzo(a)pyrene
Concen: 9.082 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 181836
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 14.3 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 6.244 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.01 min
Lab File: BF104563.D
Acq: 17 Apr 2018 16:11

Tgt Ion:276 Resp: 99470
Ion Ratio Lower Upper
276 100
277 25.7 17.9 26.9
138 24.9 21.8 32.8

