

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104864.D
 Acq On : 27 Apr 2018 6:04
 Operator : JU/SJ
 Sample : J2520-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 11:09:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112052	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	437210	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	169699	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	264284	20.00	ng	0.00
75) Chrysene-d12	13.98	240	240180	20.00	ng	0.00
86) Perylene-d12	15.44	264	179749	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	849655	115.94	ng	0.00
7) Phenol-d6	6.45	99	1015396	112.77	ng	0.00
23) Nitrobenzene-d5	7.37	82	623348	93.10	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	199036	113.07	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	966516	89.97	ng	0.00
78) Terphenyl-d14	12.92	244	767595	72.86	ng	0.00

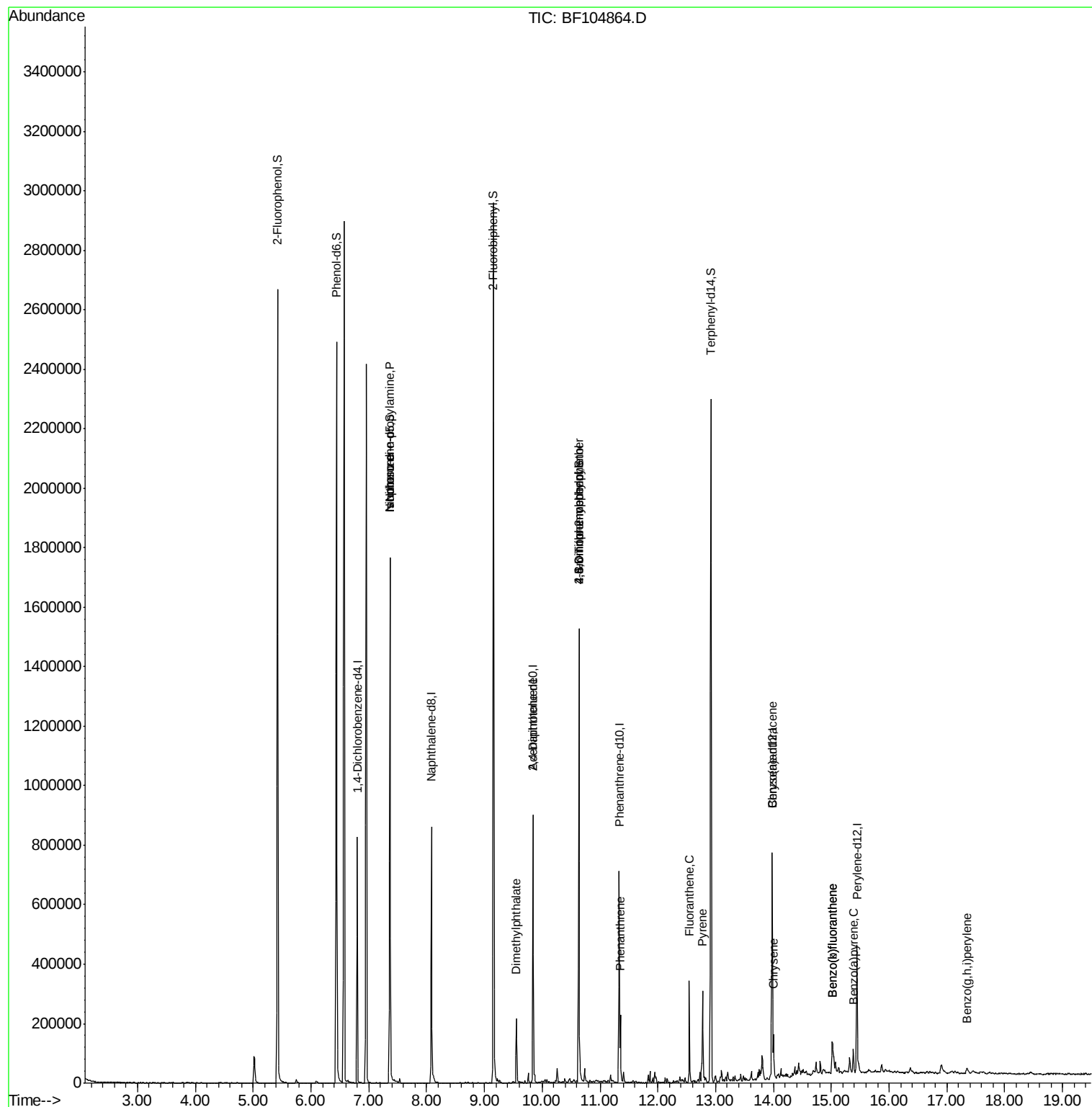
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	79997	13.596	ng	# 72
25) Isophorone	7.37	82	623340	44.025	ng	# 64
49) Dimethylphthalate	9.55	163	93181	6.963	ng	99
56) 2,4-Dinitrotoluene	9.84	165	21851	6.727	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	299	7.544	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11735	4.174	ng	# 1
70) Phenanthrene	11.35	178	77389	5.258	ng	98
74) Fluoranthene	12.55	202	129360	8.412	ng	98
76) Benzidine	12.92	184	10096	Below Cal		97
77) Pyrene	12.77	202	116390	6.538	ng	97
80) Benzo(a)anthracene	13.97	228	61170	4.263	ng	99
82) Chrysene	14.00	228	58738	3.985	ng	99
87) Benzo(b)fluoranthene	15.02	252	75092	6.614	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	75092	7.006	ng	98
89) Benzo(a)pyrene	15.38	252	36845	3.627	ng	99
91) Benzo(g,h,i)perylene	17.35	276	16465	2.037	ng	# 91

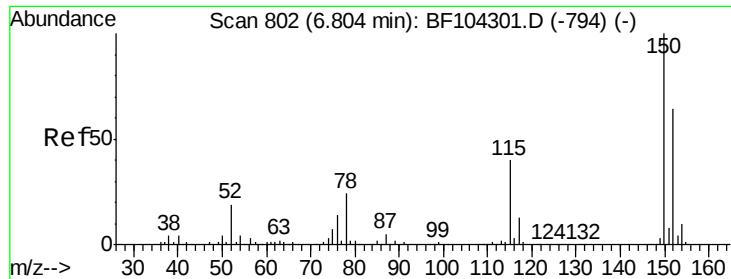
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104864.D
Acq On : 27 Apr 2018 6:04
Operator : JU/SJ
Sample : J2520-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 27 11:09:22 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 14:01:50 2018
Response via : Initial Calibration



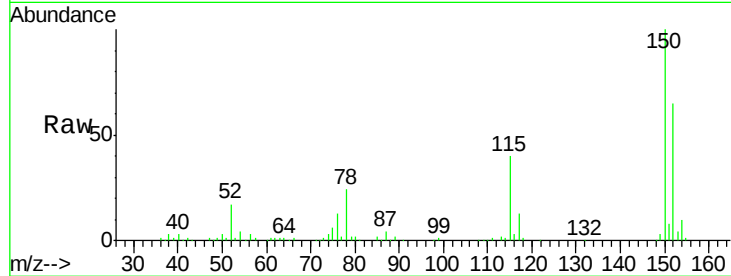


#1

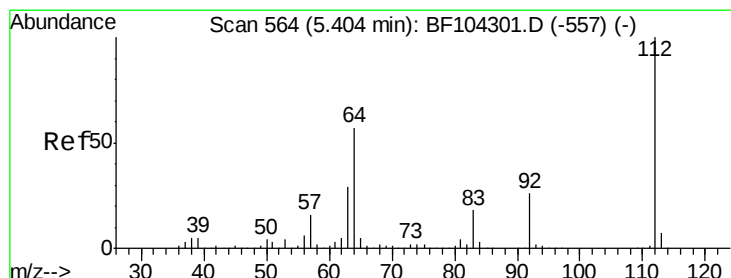
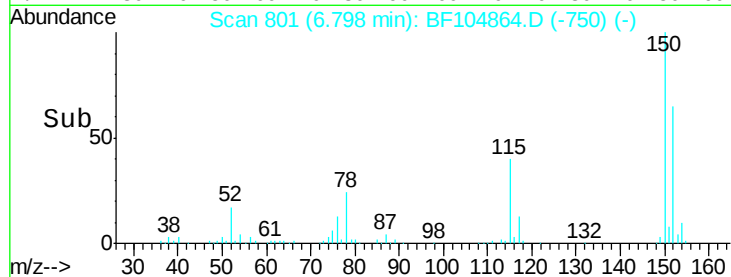
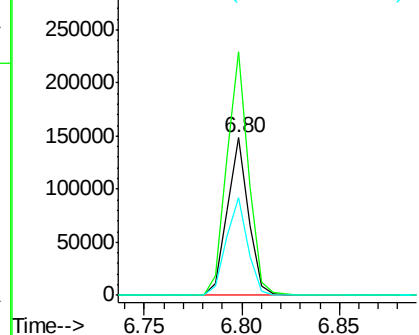
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112052
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 62.2 50.1 75.1



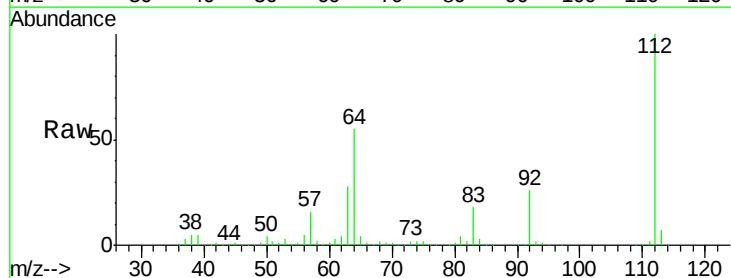
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



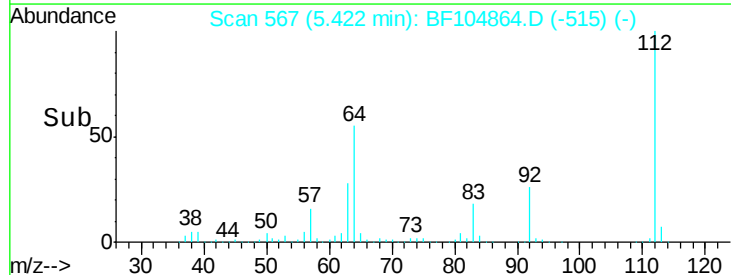
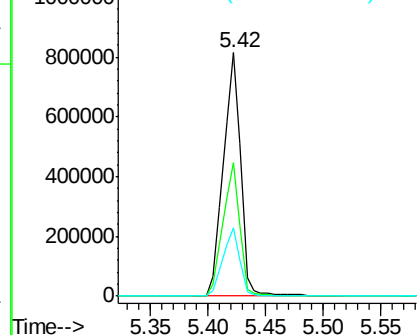
#5

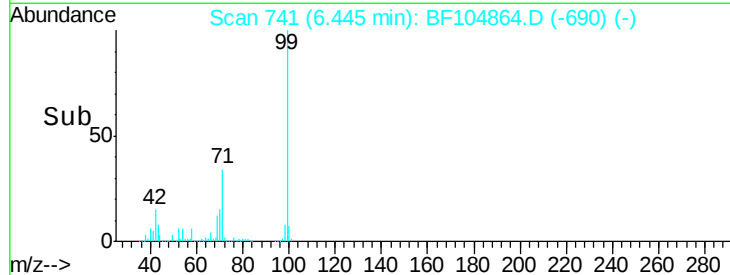
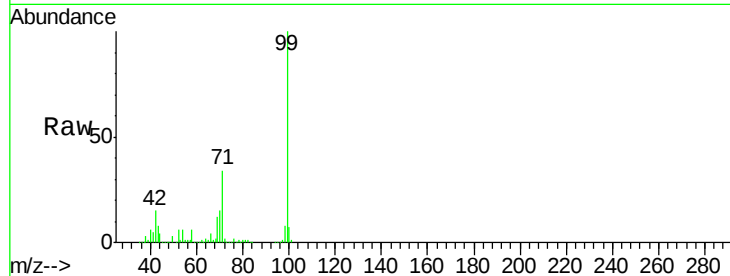
2-Fluorophenol
Concen: 115.943 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion:112 Resp: 849655
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 28.2 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: 112.772 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

ClientSampleId :

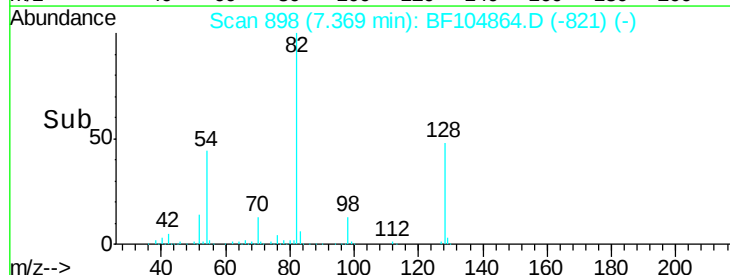
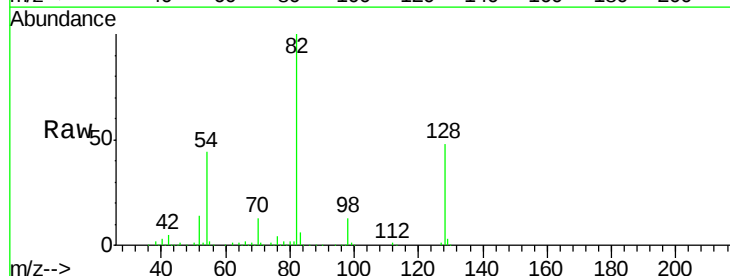
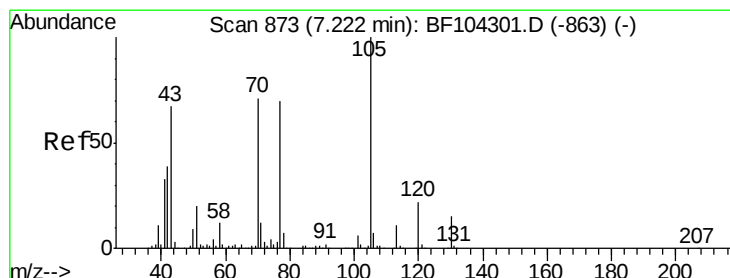
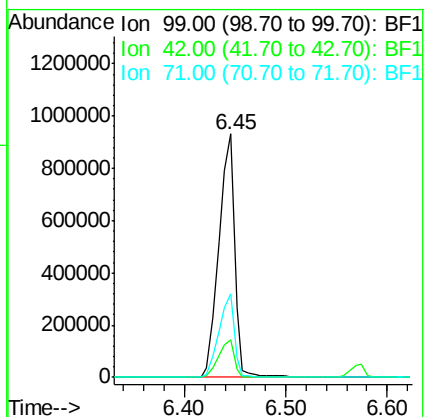
Tot Ion: 99 Resp: 1015396

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.596 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Tgt Ion: 70 Resp: 79997

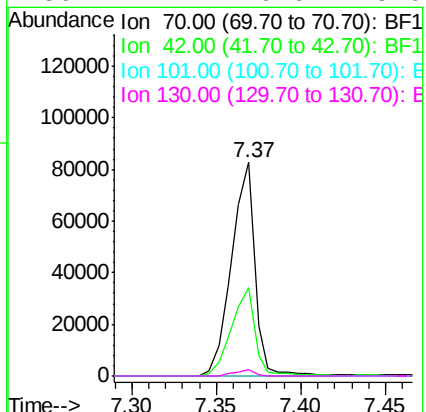
Ion Ratio Lower Upper

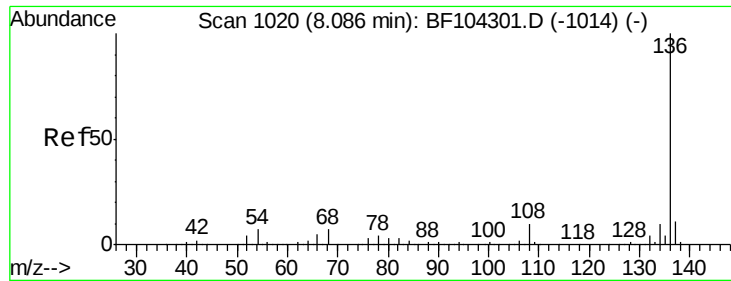
70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

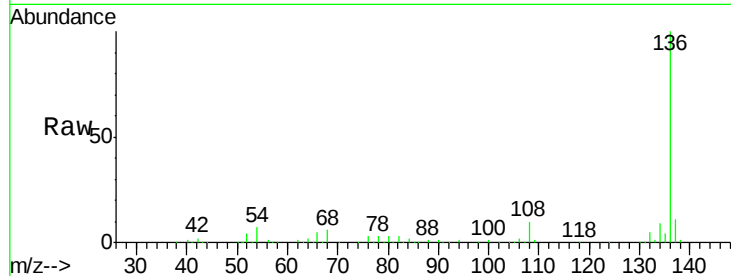




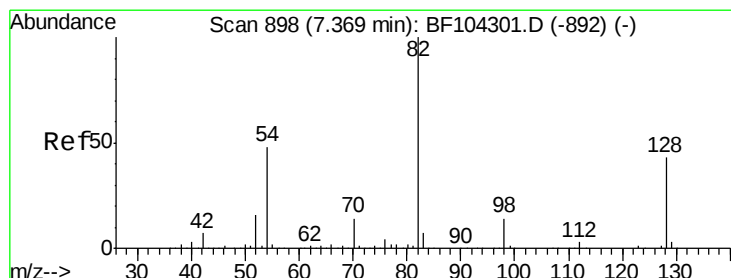
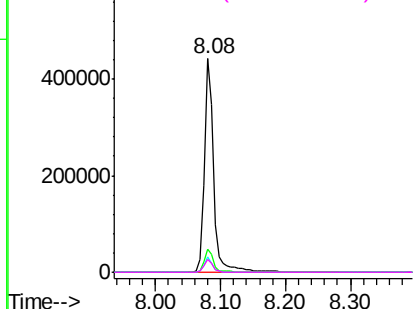
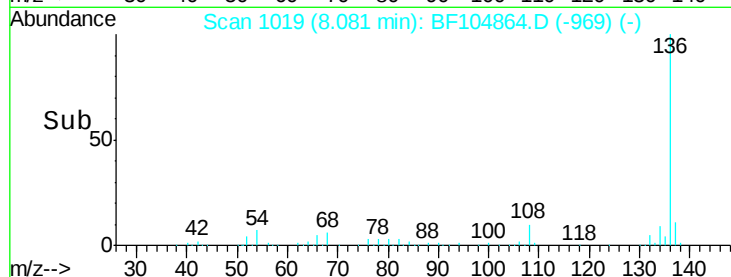
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	437210
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	7.0	6.6 9.8
68	6.0	5.0 7.4

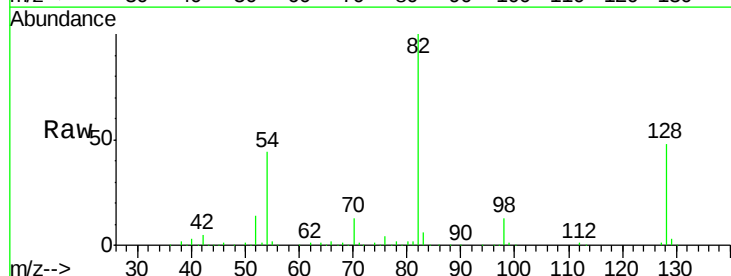


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

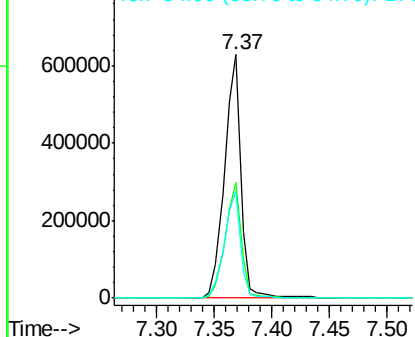
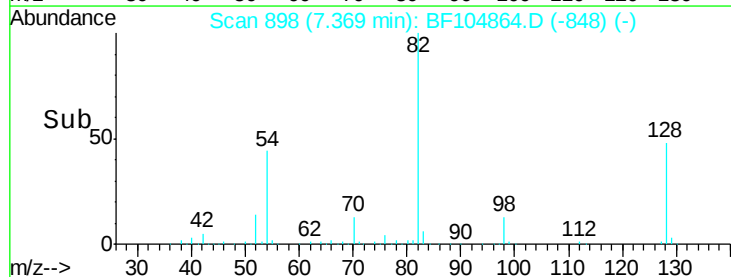


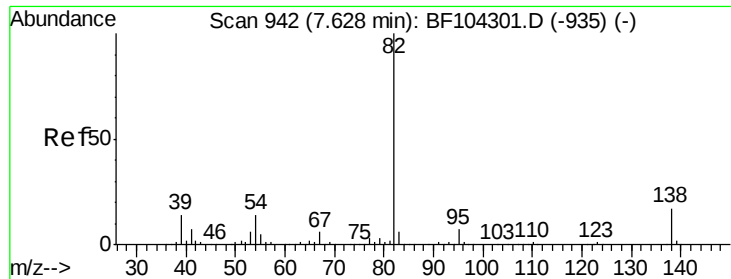
#23
Nitrobenzene-d5
Concen: 93.098 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion: 82	Resp:	623348
Ion	Ratio	Lower Upper
82	100	
128	47.7	36.1 54.1
54	43.8	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: 44.025 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

ClientSampleId :

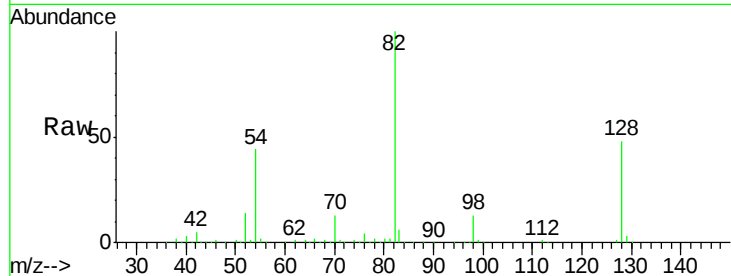
Tot Ion: 82 Resp: 623340

Ion Ratio Lower Upper

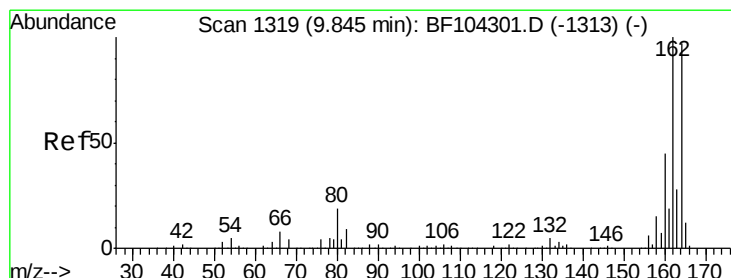
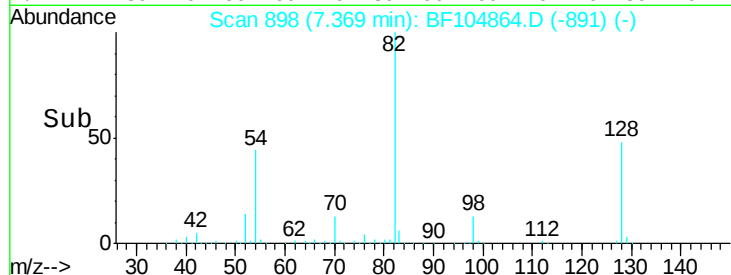
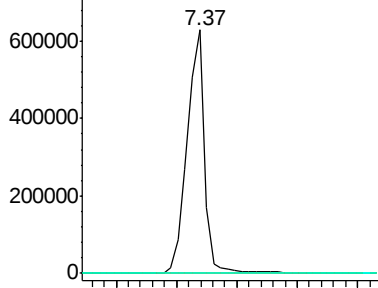
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

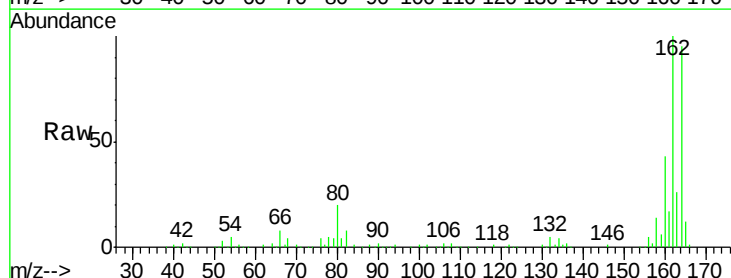
Tgt Ion: 164 Resp: 169699

Ion Ratio Lower Upper

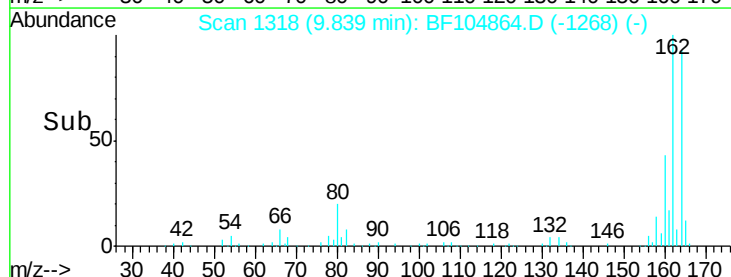
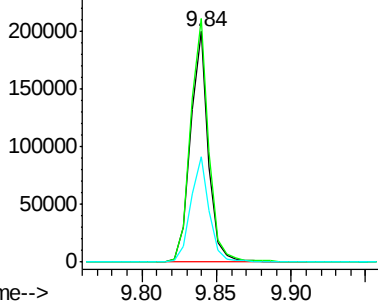
164 100

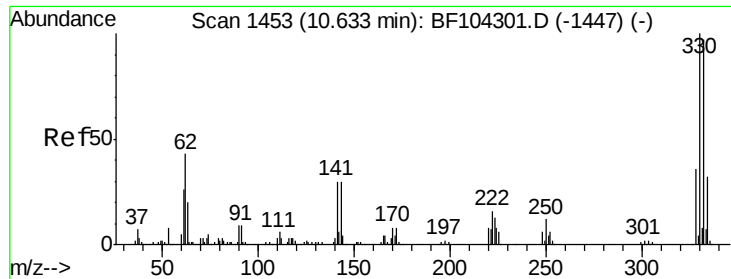
162 105.7 86.1 129.1

160 45.6 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

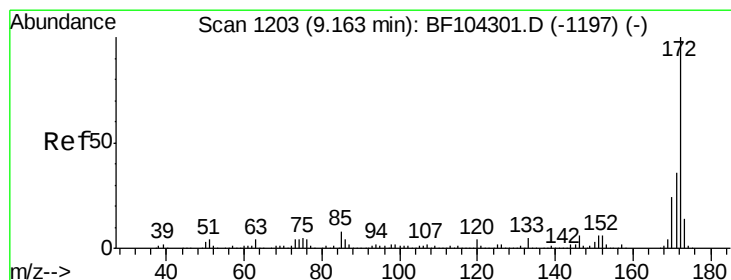
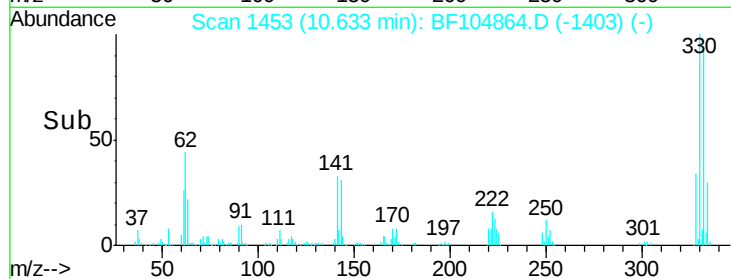
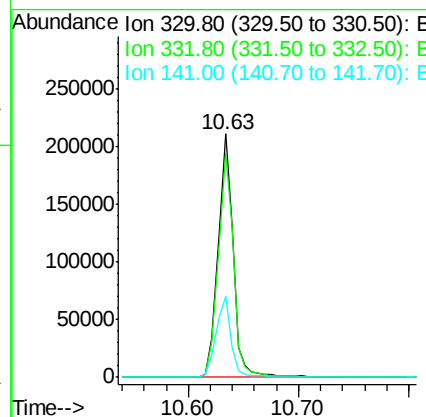
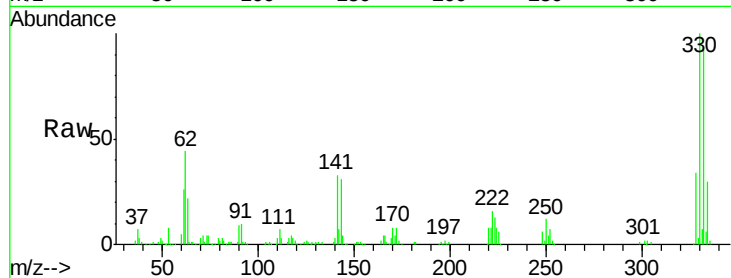




#41
 2,4,6-Tribromophenol
 Concen: 113.067 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

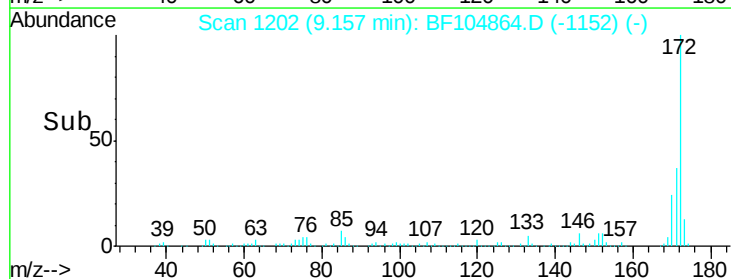
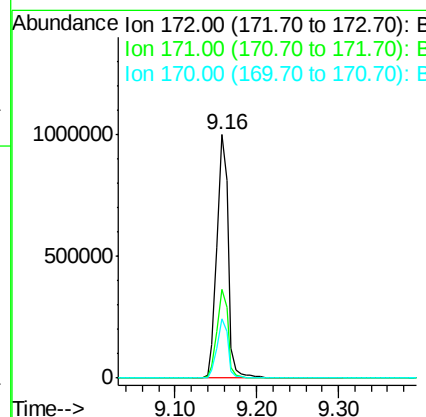
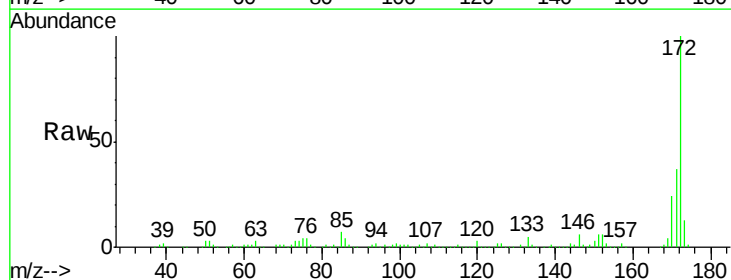
Instrument :
 BNA_F
 ClientSampleId :

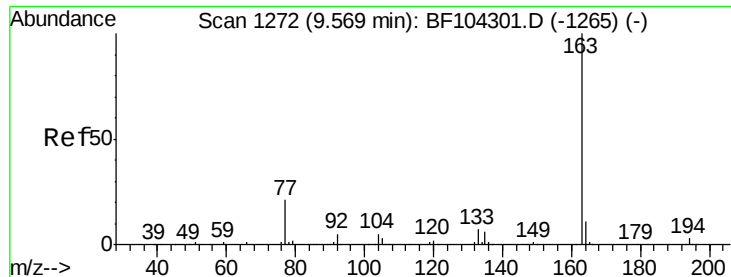
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	32.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 89.974 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	19.6	29.4

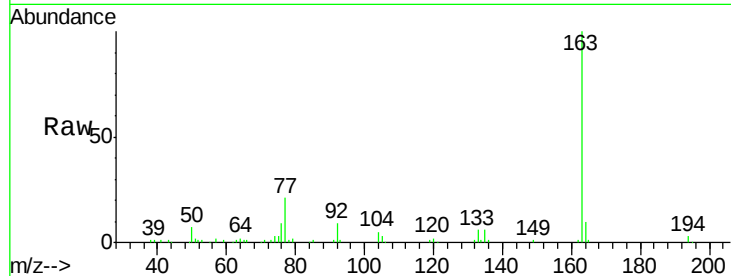




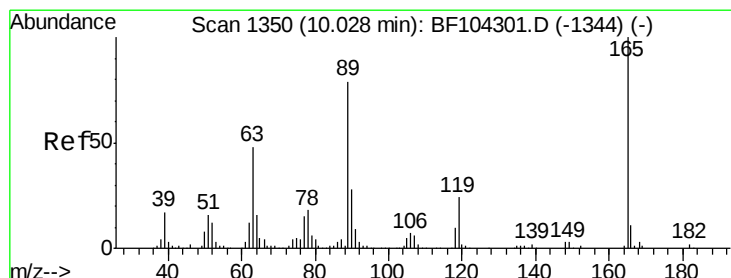
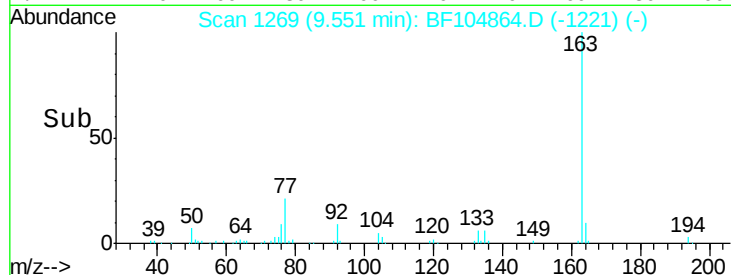
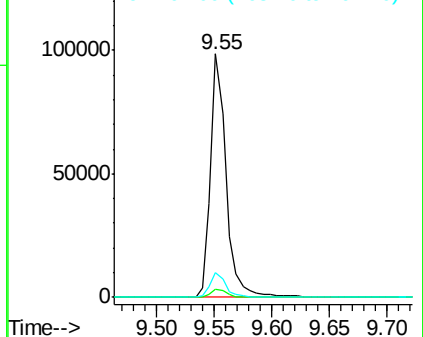
#49
Dimethylphthalate
Concen: 6.963 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 93181
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.4 8.2 12.2

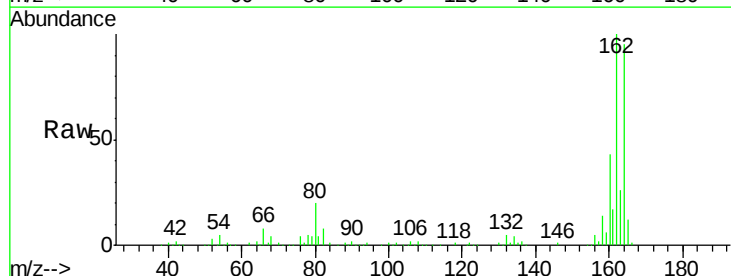


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

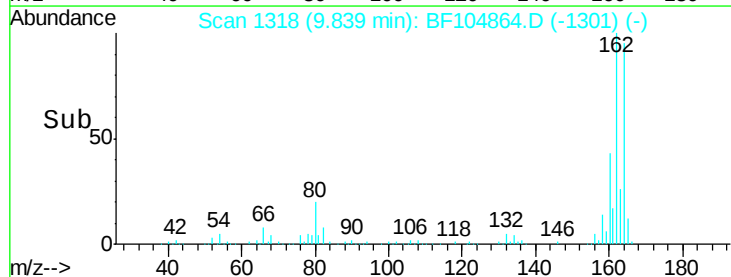
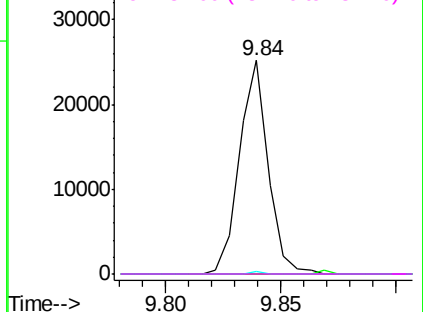


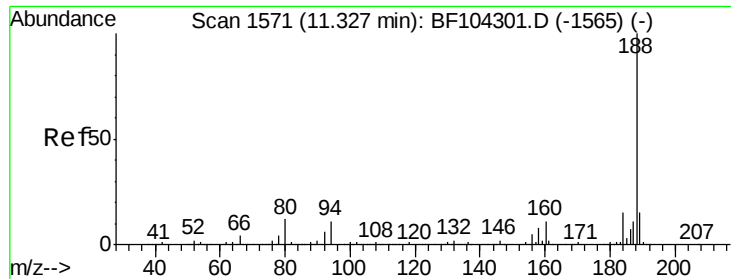
#56
2,4-Dinitrotoluene
Concen: 6.727 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion:165 Resp: 21851
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

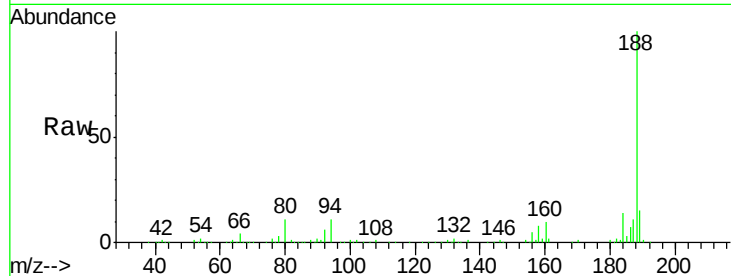




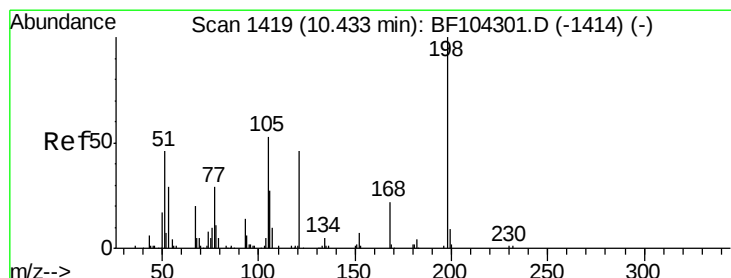
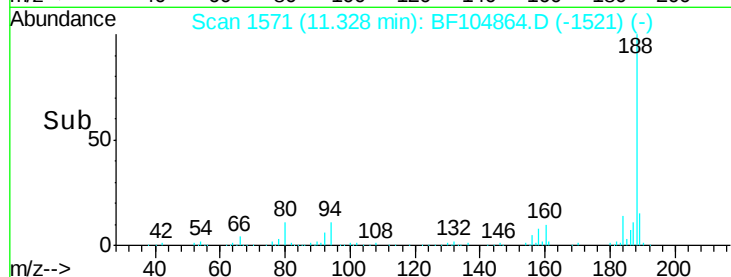
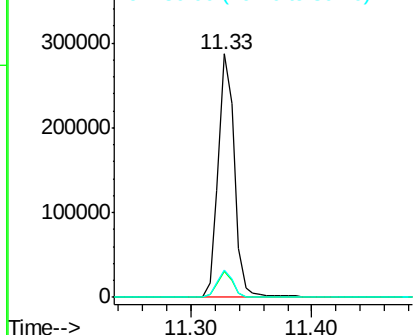
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 264284
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.2 9.2 13.8

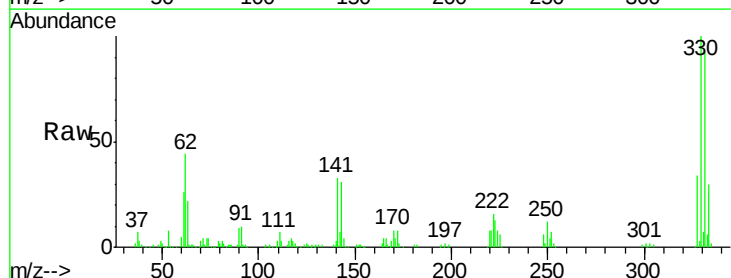


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

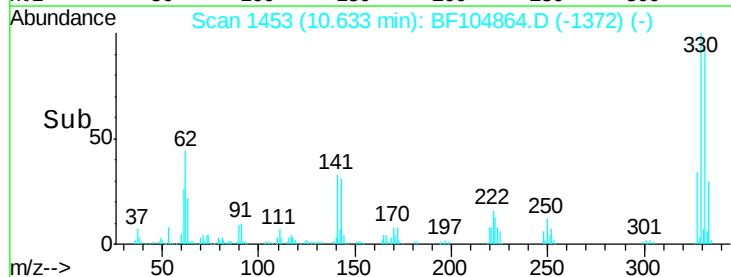
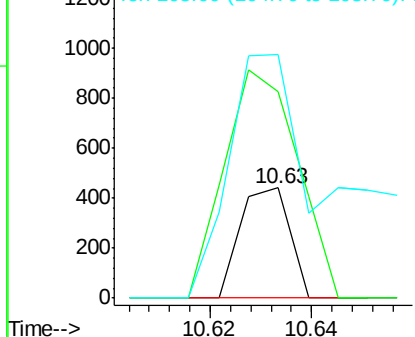


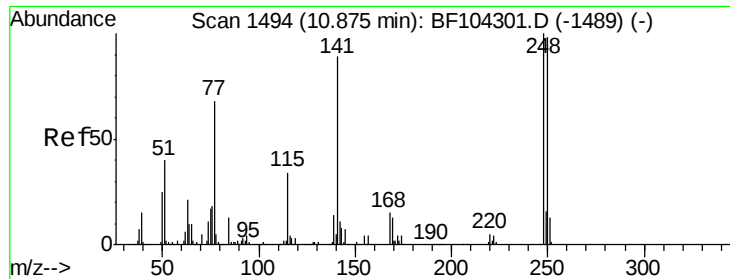
#64
4,6-Dinitro-2-methylphenol
Concen: 7.544 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion:198 Resp: 299
Ion Ratio Lower Upper
198 100
51 186.9 37.7 77.7#
105 220.6 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

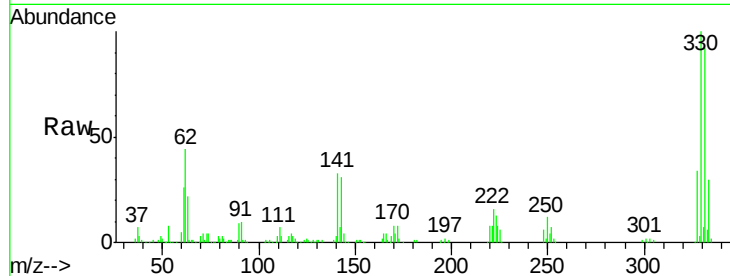




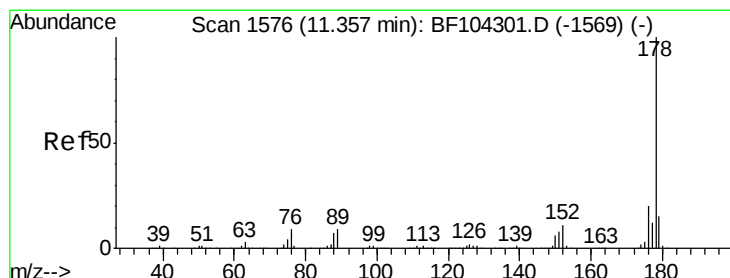
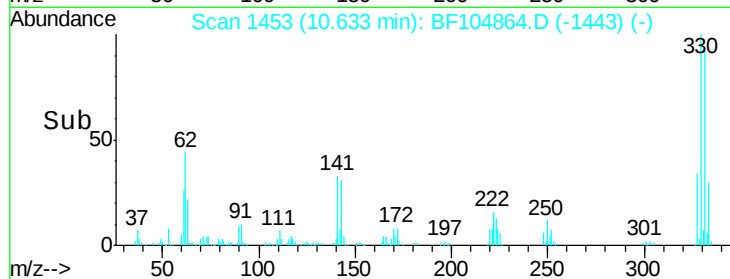
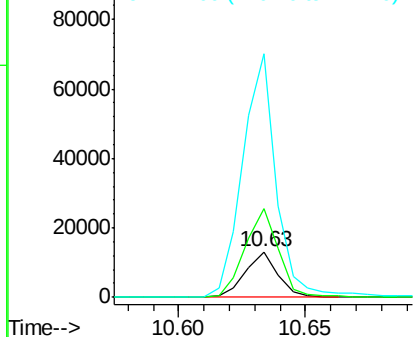
#66
 4-Bromophenyl-phenylether
 Concen: 4.174 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11735
 Ion Ratio Lower Upper
 248 100
 250 195.7 76.9 115.3#
 141 536.8 74.4 111.6#

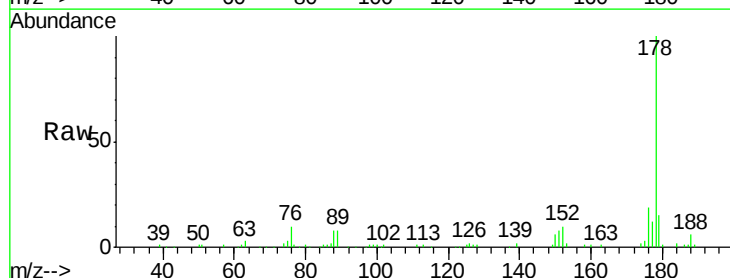


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

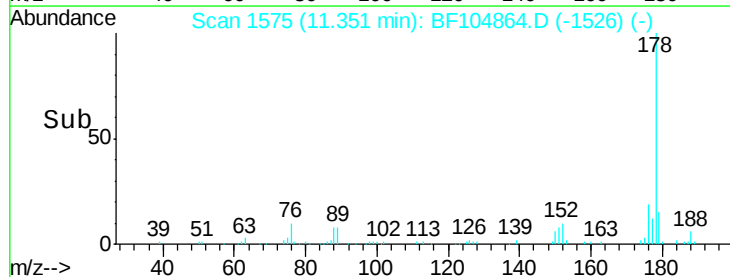
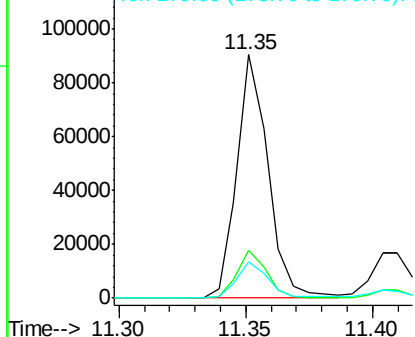


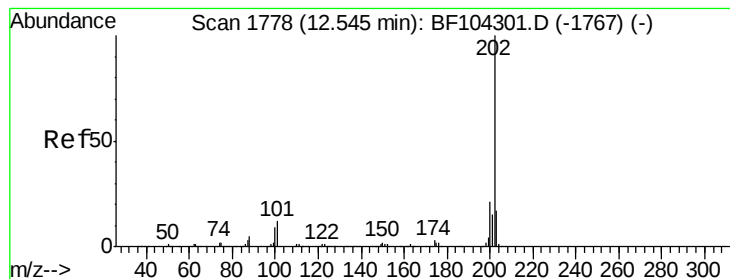
#70
 Phenanthrene
 Concen: 5.258 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Tgt Ion:178 Resp: 77389
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 14.7 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





#74

Fluoranthene

Concen: 8.412 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

ClientSampleId :

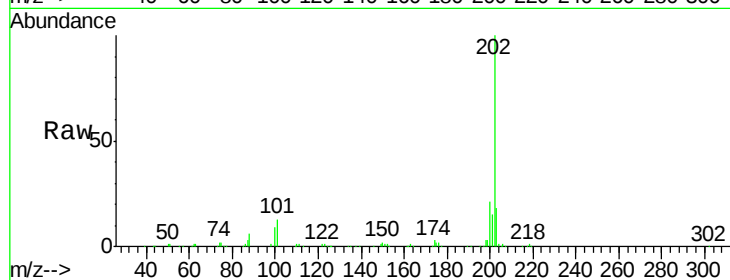
Tot Ion:202 Resp: 129360

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

203 17.6 0.0 38.1

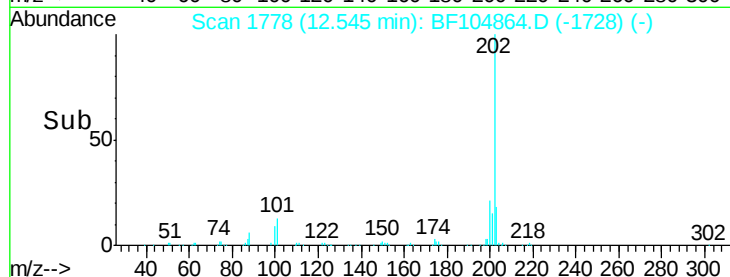


Abundance Ion 202.00 (201.70 to 202.70): E

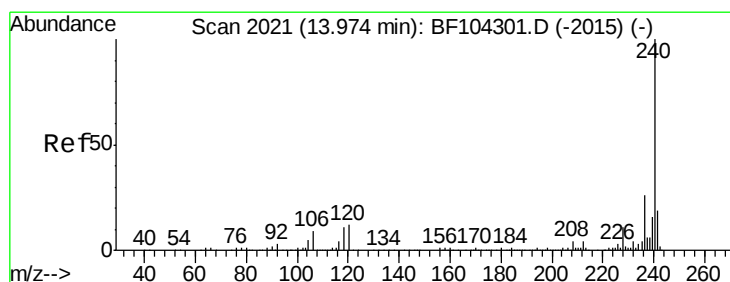
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.55



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

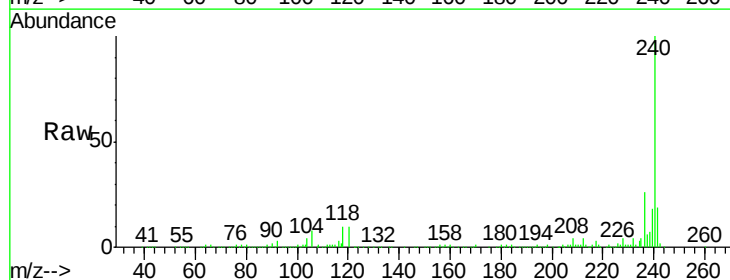
Tgt Ion:240 Resp: 240180

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

236 26.1 20.7 31.1

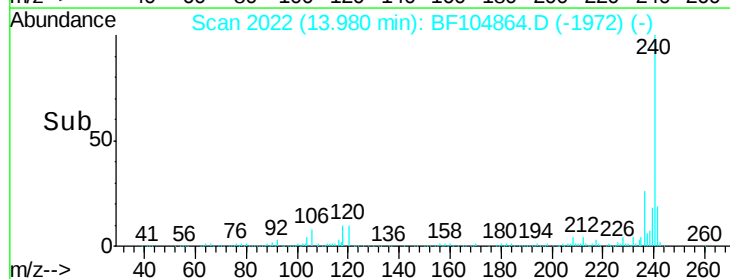


Abundance Ion 240.00 (239.70 to 240.70): E

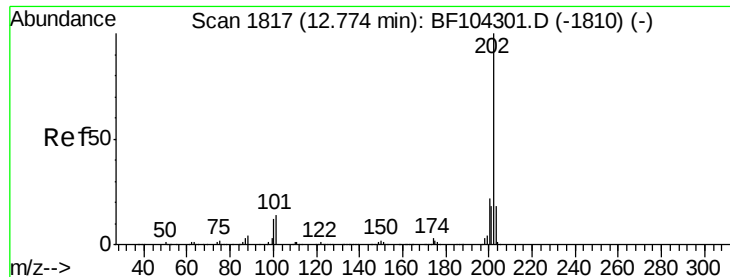
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.98



Time-->



#77

Pvrene

Concen: 6.538 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

ClientSampleId :

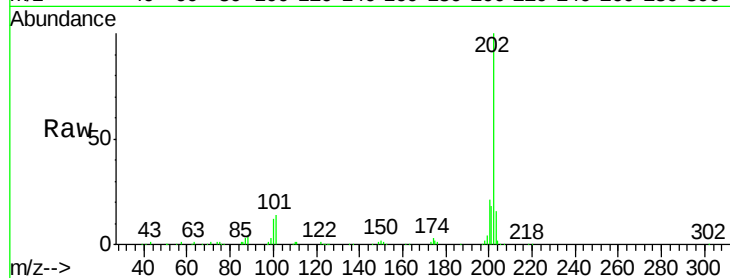
Tot Ion:202 Resp: 116390

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

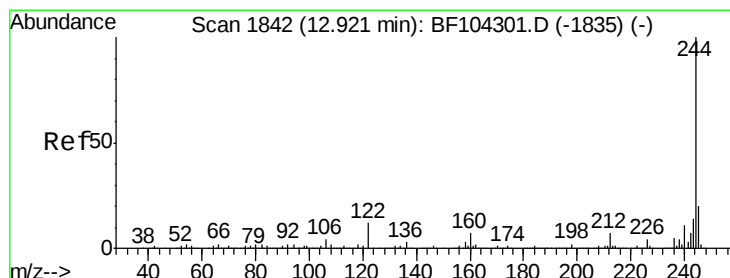
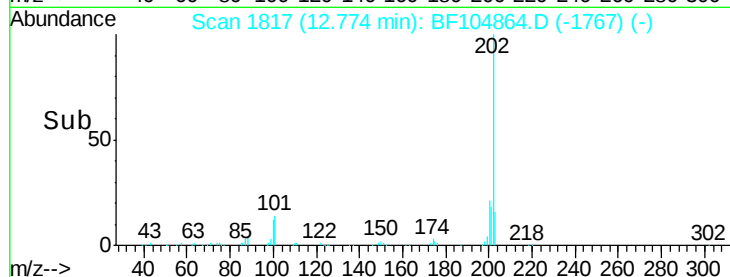
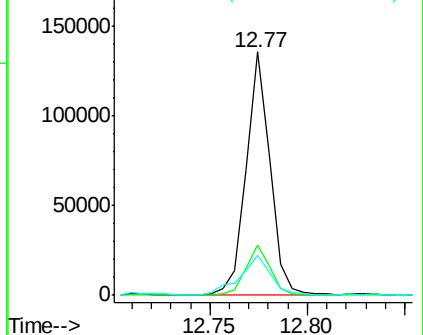
203 16.2 14.3 21.5



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: 72.861 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

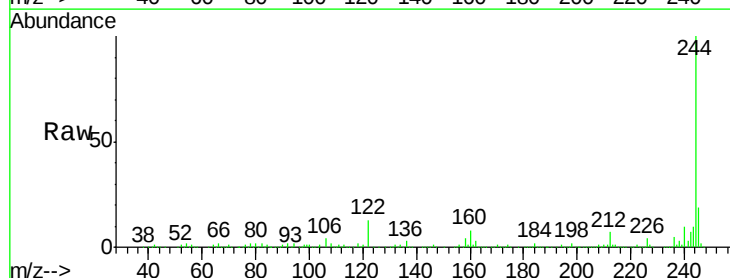
Tgt Ion:244 Resp: 767595

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

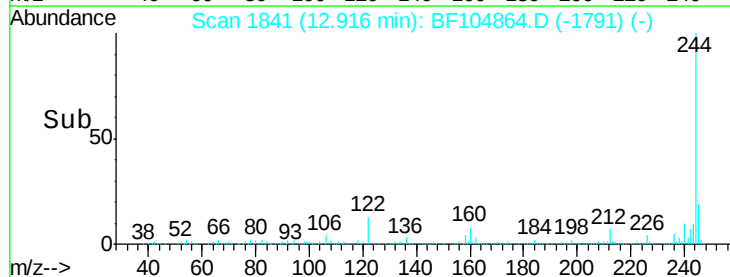
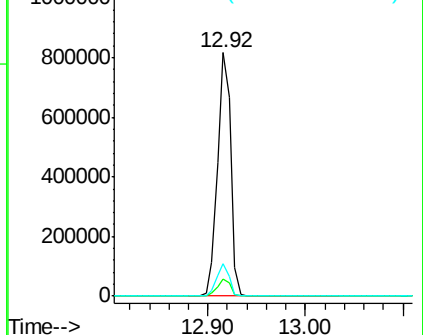
122 13.1 11.0 16.4

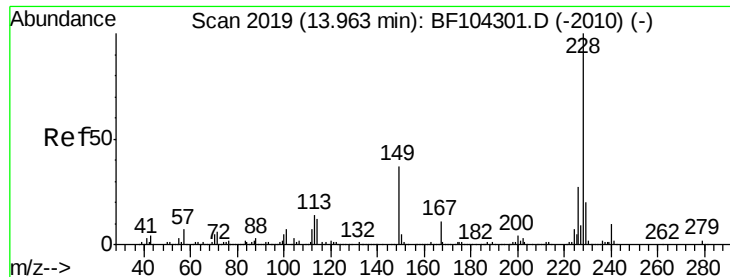


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

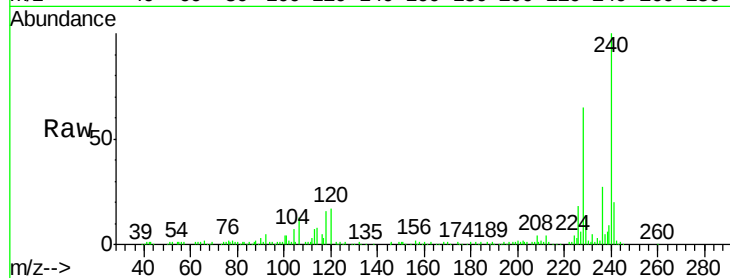




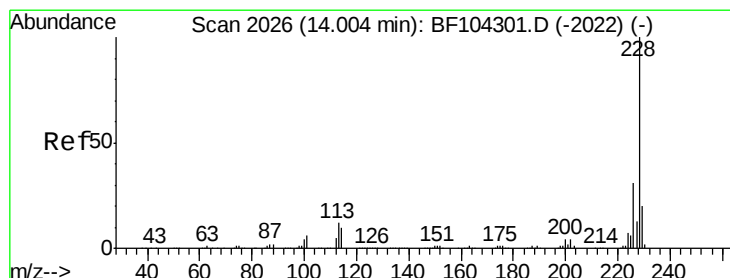
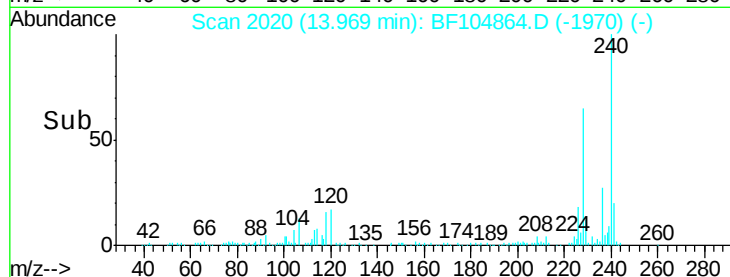
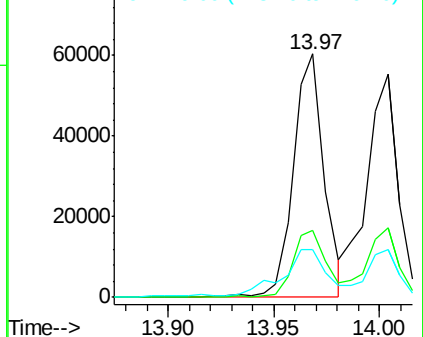
#80
Benzo(a)anthracene
Concen: 4.263 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 61170
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.5 15.8 23.6

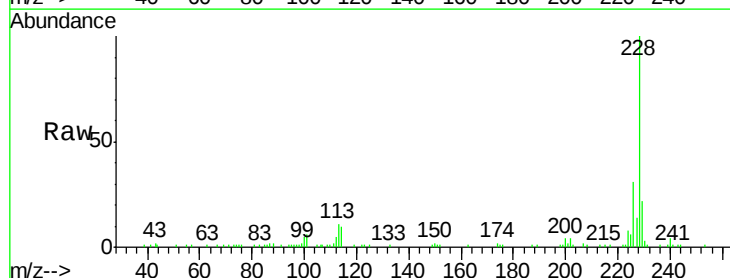


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

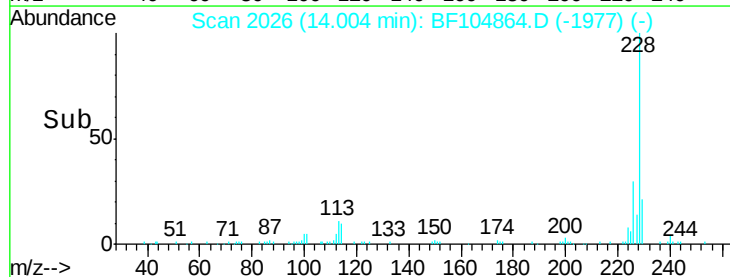
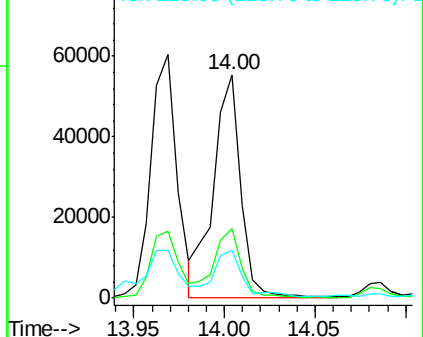


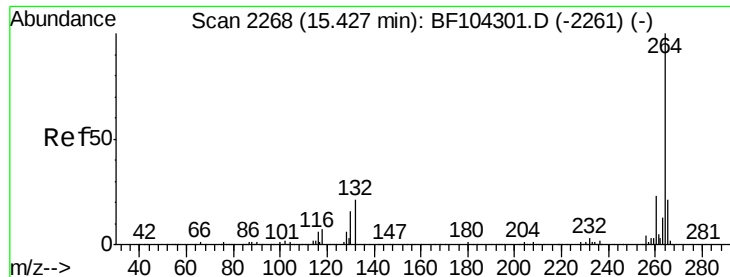
#82
Chrysene
Concen: 3.985 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion:228 Resp: 58738
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 21.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

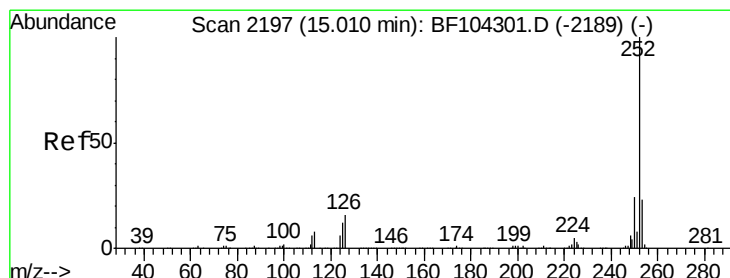
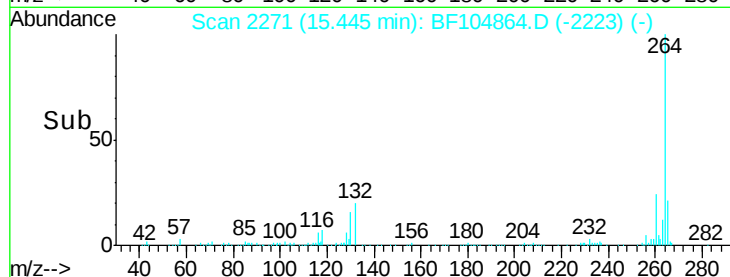
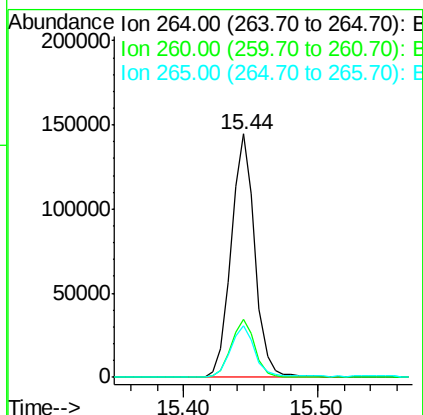
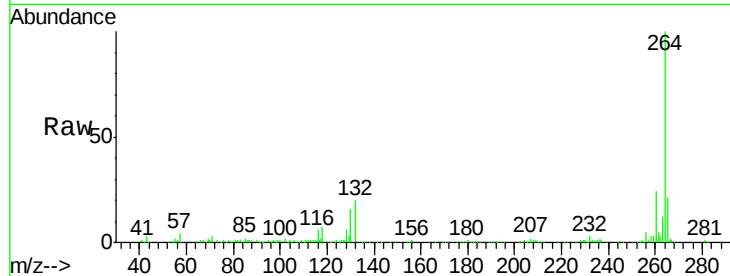




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

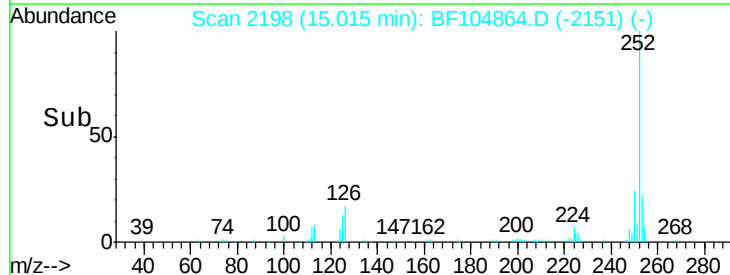
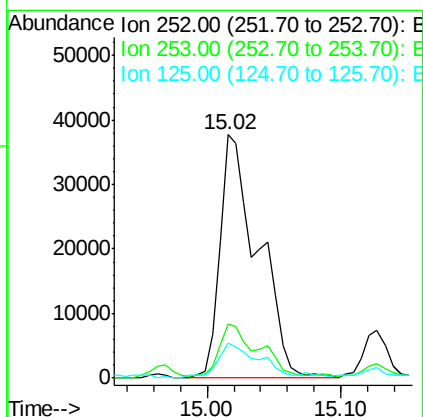
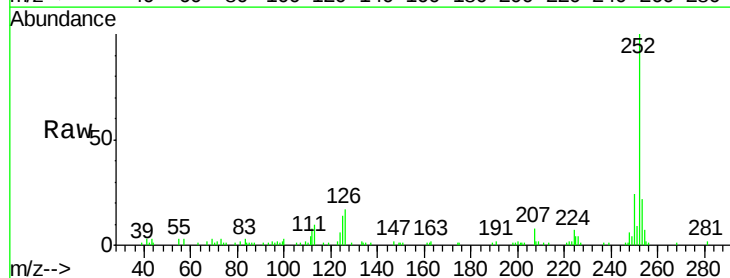
Instrument :
BNA_F
ClientSampleId :

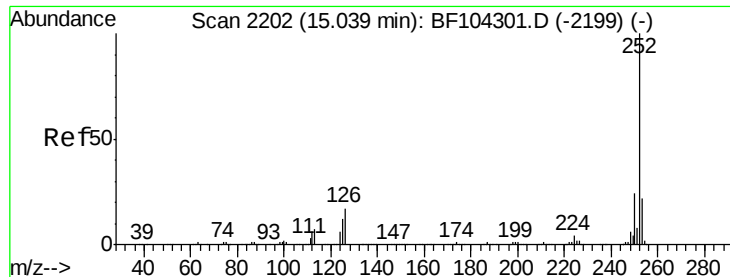
Tot Ion:264 Resp: 179749
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.614 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion:252 Resp: 75092
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 14.4 9.0 13.6#

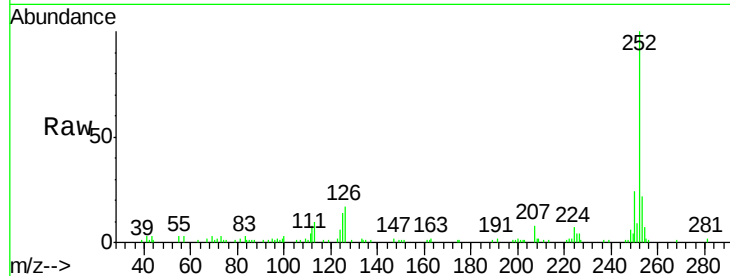




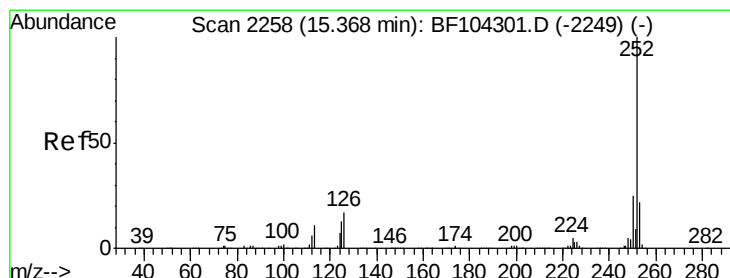
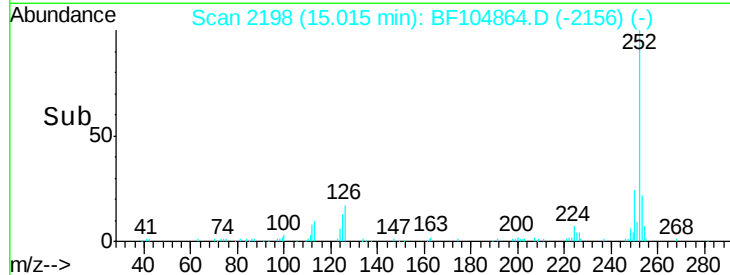
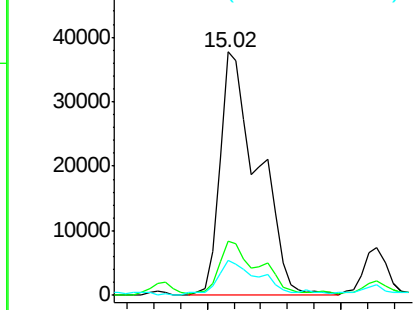
#88
Benzo(k)fluoranthene
Concen: 7.006 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.4	10.2	15.2

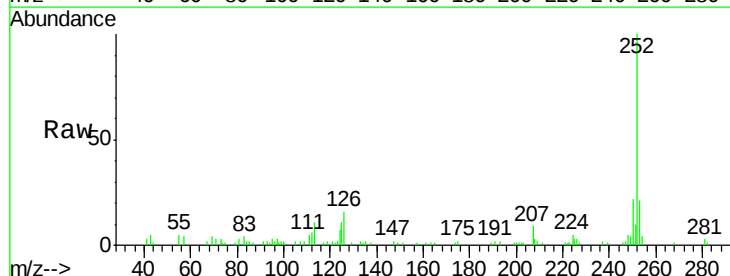


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

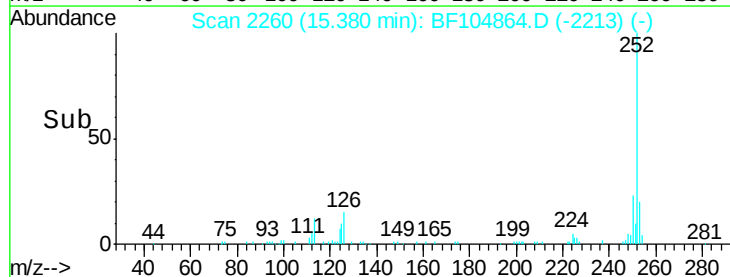
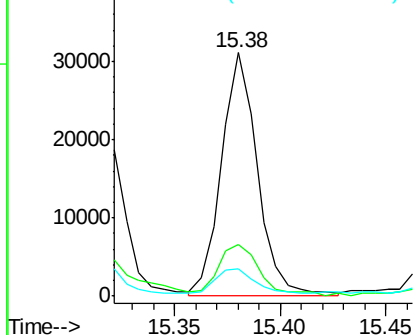


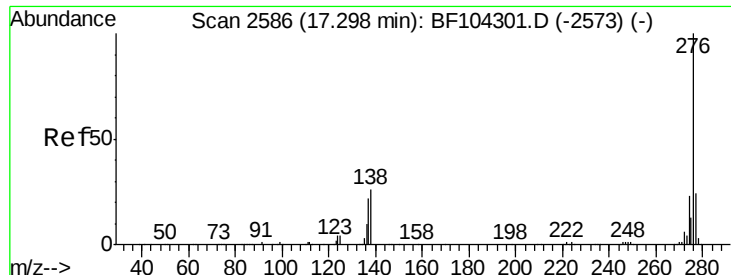
#89
Benzo(a)pyrene
Concen: 3.627 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	11.2	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.037 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.03 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

ClientSampleId :

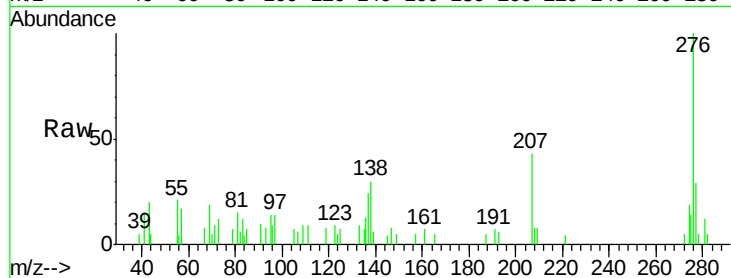
Tot Ion:276 Resp: 16465

Ion Ratio Lower Upper

276 100

277 29.5 17.9 26.9#

138 29.7 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

