

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104859.D
 Acq On : 27 Apr 2018 3:51
 Operator : JU/SJ
 Sample : J2520-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 11:07:37 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	101891	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	397571	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	153863	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	232838	20.00	ng	0.00
75) Chrysene-d12	13.98	240	211891	20.00	ng	0.00
86) Perylene-d12	15.44	264	156863	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	591630	88.78	ng	0.00
7) Phenol-d6	6.44	99	766205	93.58	ng	0.00
23) Nitrobenzene-d5	7.37	82	507463	83.35	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	105022	65.80	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	672120	69.01	ng	0.00
78) Terphenyl-d14	12.92	244	471604	50.74	ng	0.00

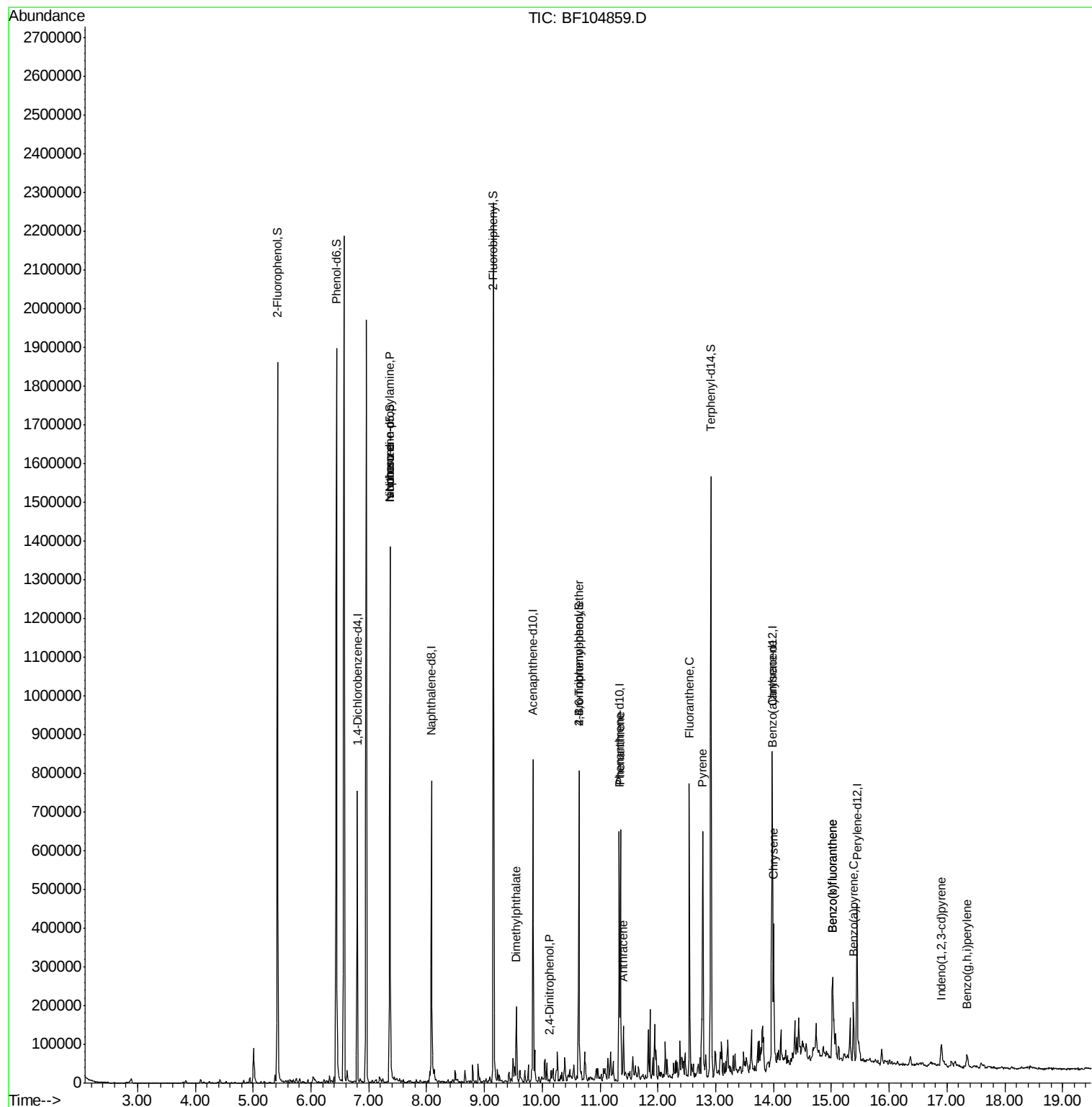
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	1784	Below Cal		95
19) n-Nitroso-di-n-propylamine	7.37	70	67985	12.707 ng	#	71
25) Isophorone	7.37	82	507455	39.414 ng	#	64
49) Dimethylphthalate	9.55	163	69720	5.746 ng		99
53) 2,4-Dinitrophenol	10.13	184	132	5.340 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	6228	2.515 ng	#	1
70) Phenanthrene	11.35	178	247542	19.091 ng		98
71) Anthracene	11.40	178	52907	4.014 ng		99
74) Fluoranthene	12.54	202	292935	21.623 ng		99
76) Benzidine	12.92	184	5933	Below Cal		94
77) Pyrene	12.78	202	266548	16.971 ng		99
80) Benzo(a)anthracene	13.97	228	138187	10.916 ng		99
82) Chrysene	14.00	228	122576	9.427 ng		97
85) Indeno(1,2,3-cd)pyrene	16.90	276	34821	3.153 ng	#	91
87) Benzo(b)fluoranthene	15.02	252	142111	14.344 ng		96
88) Benzo(k)fluoranthene	15.02	252	142007	15.183 ng		99
89) Benzo(a)pyrene	15.38	252	71029	8.013 ng		98
91) Benzo(g,h,i)perylene	17.35	276	29909	4.240 ng		95

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

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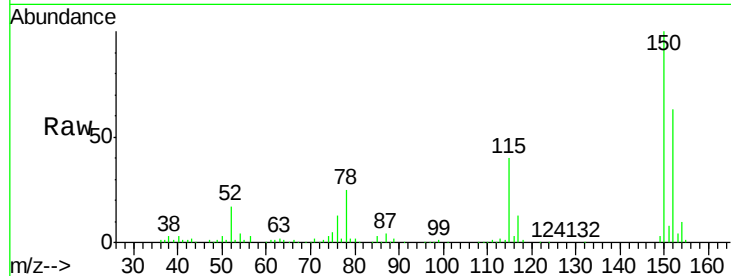


#1

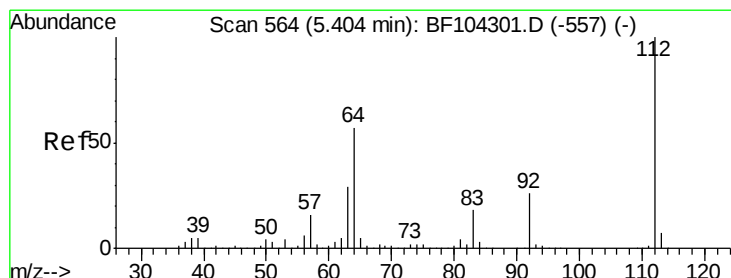
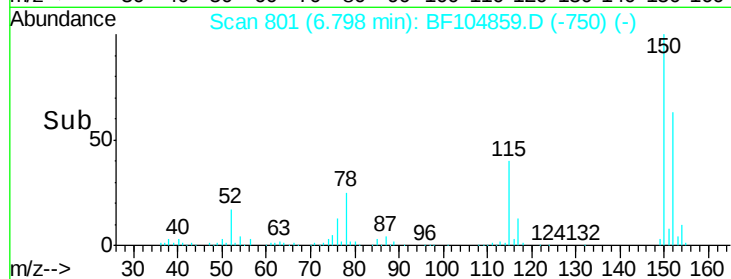
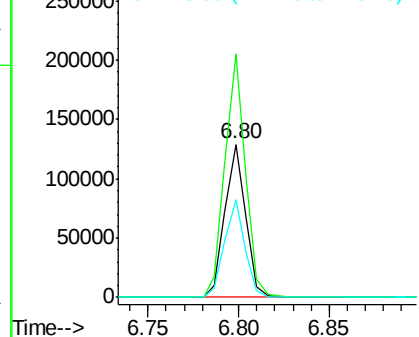
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101891
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 63.4 50.1 75.1



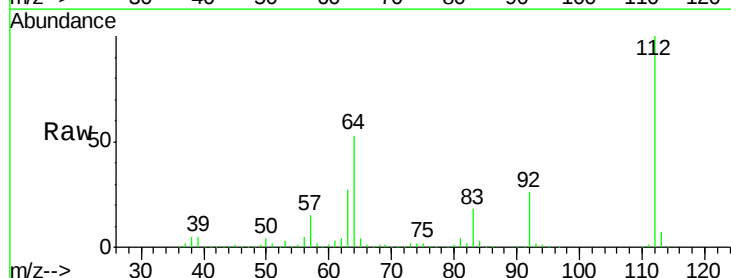
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



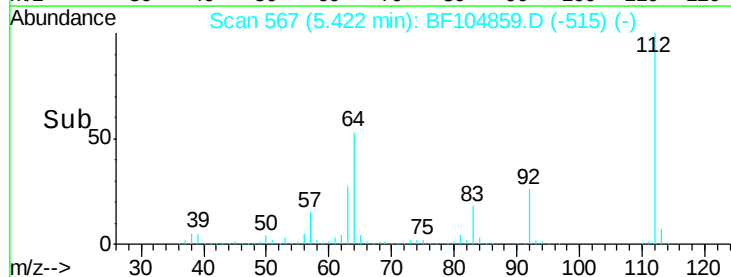
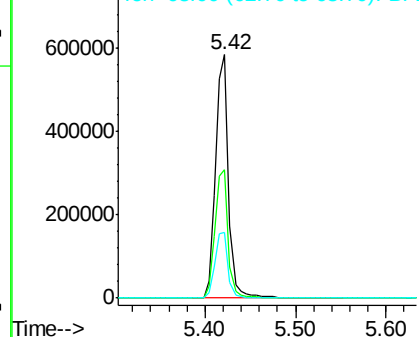
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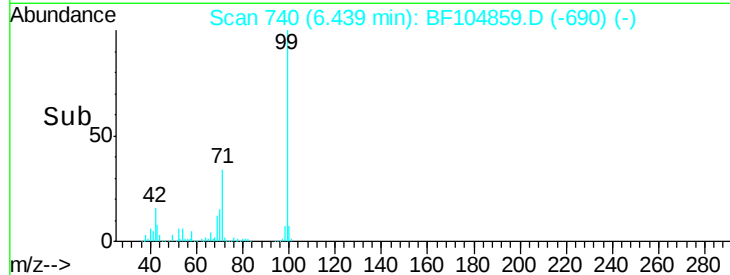
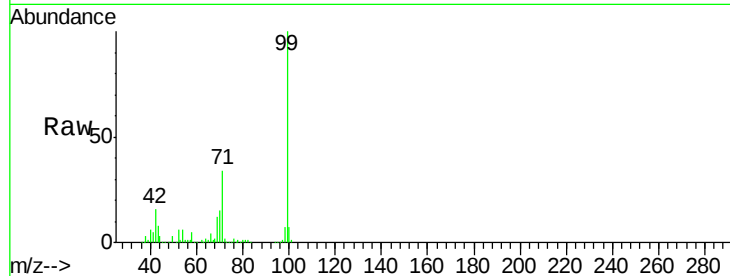
2-Fluorophenol
Concen: 88.785 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion:112 Resp: 591630
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 27.0 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: 93.583 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

ClientSampled :

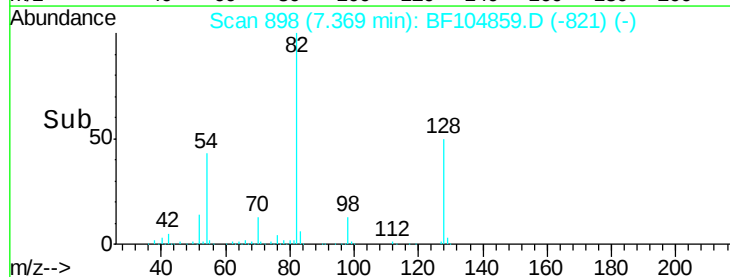
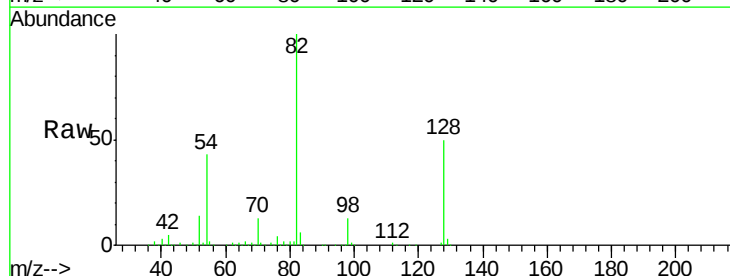
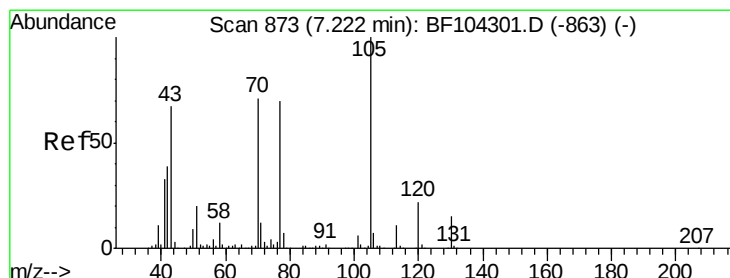
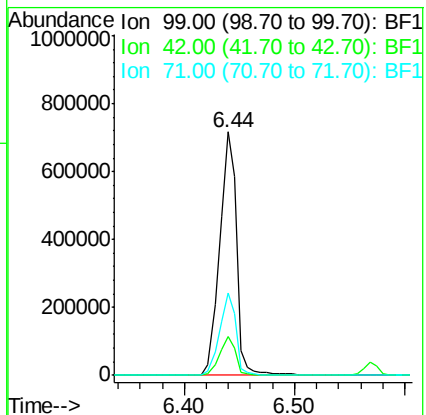
Tot Ion: 99 Resp: 766205

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.707 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion: 70 Resp: 67985

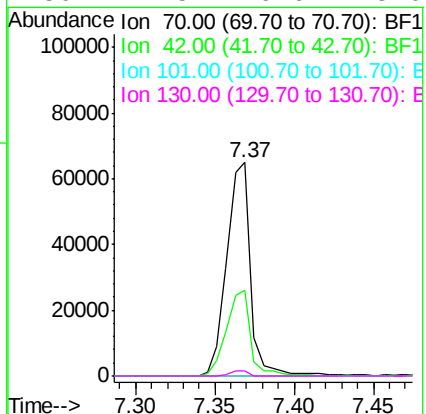
Ion Ratio Lower Upper

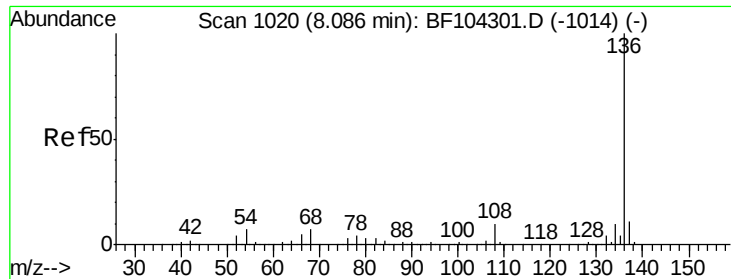
70 100

42 39.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

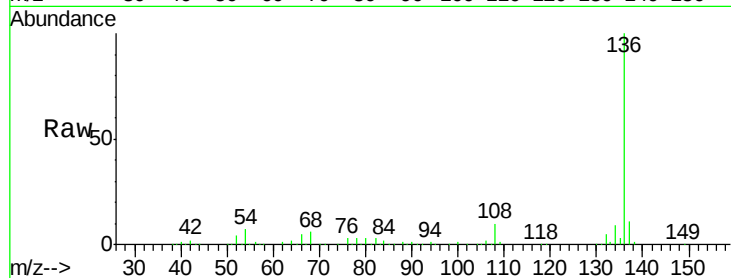




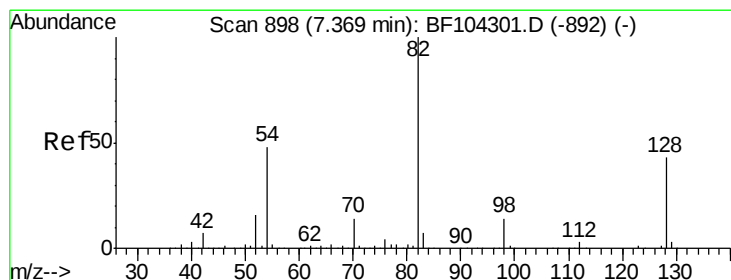
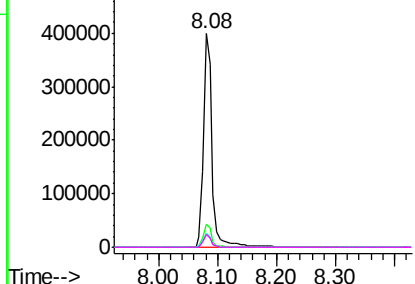
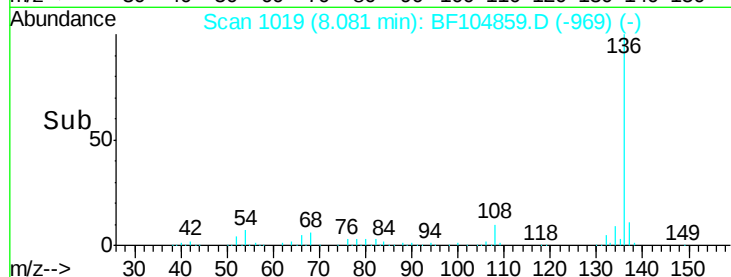
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	397571
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	6.9	6.6 9.8
68	5.9	5.0 7.4

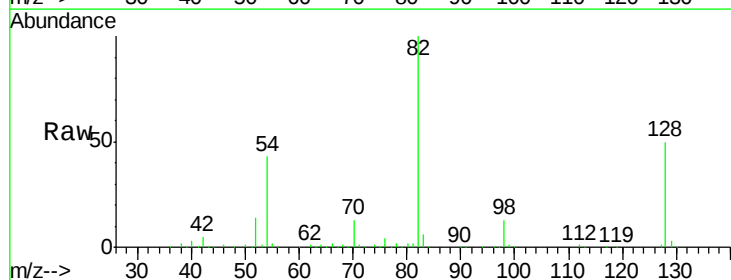


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

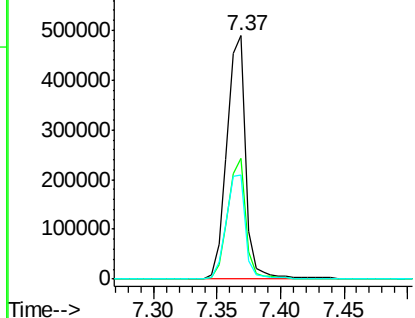
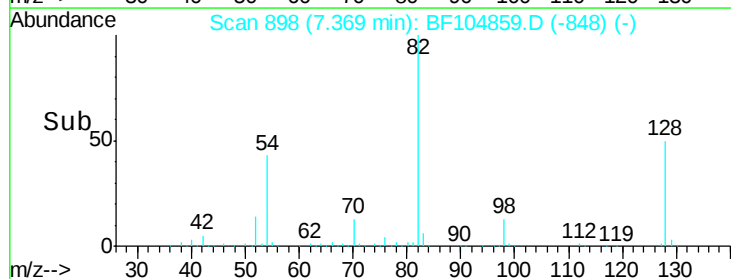


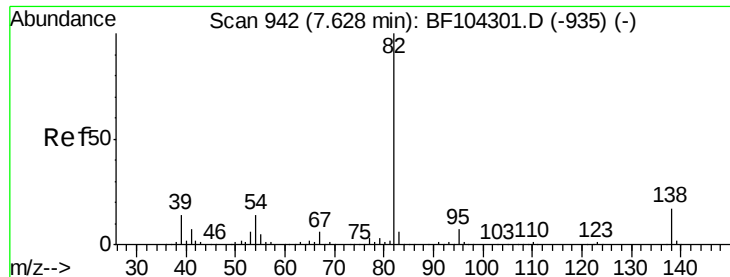
#23
Nitrobenzene-d5
Concen: 83.347 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion: 82	Resp:	507463
Ion Ratio	Lower	Upper
82	100	
128	49.6	36.1 54.1
54	42.9	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

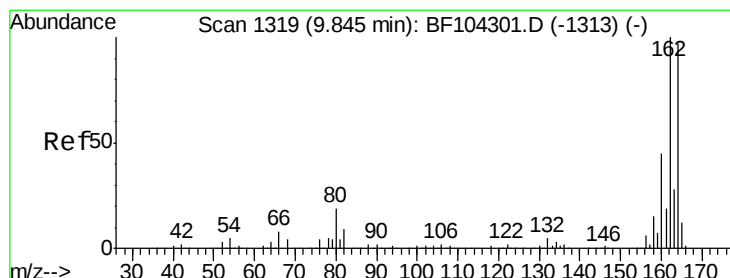
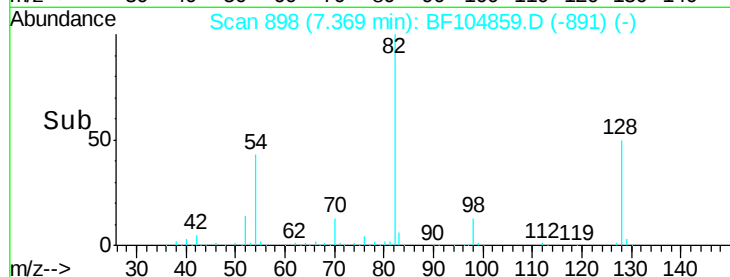
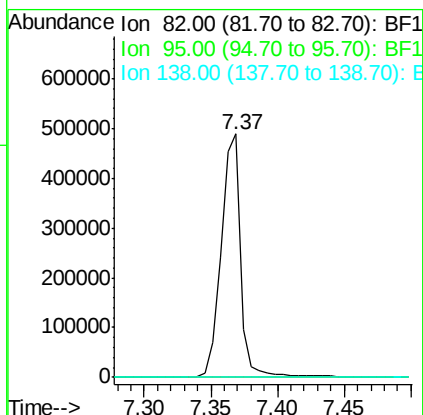
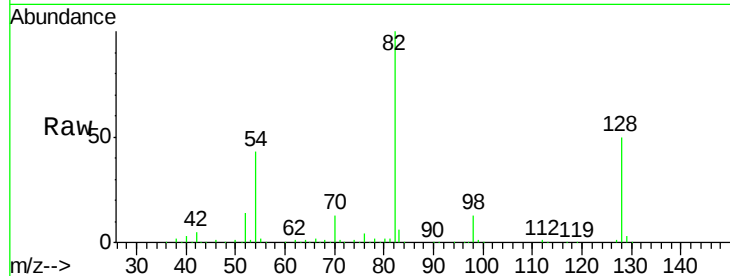




#25
Isophorone
Concen: 39.414 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

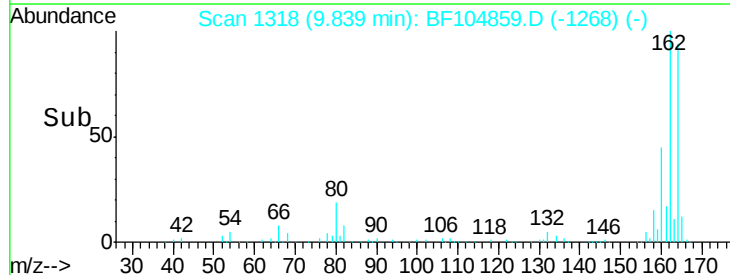
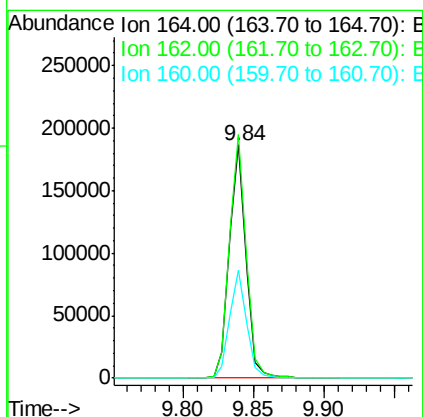
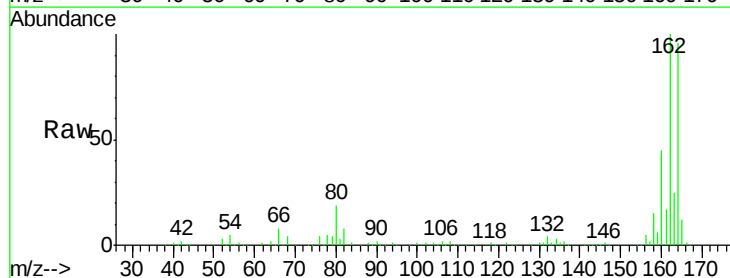
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 507455
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: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion:164 Resp: 153863
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 46.6 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 65.801 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

ClientSampleId :

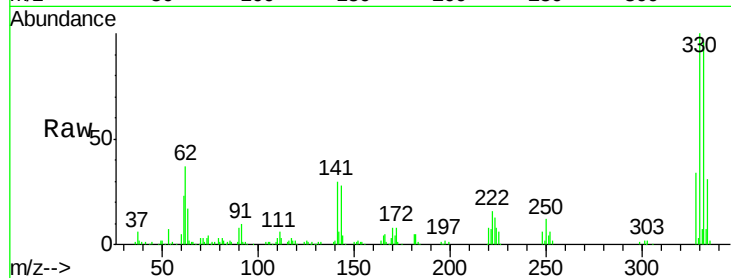
Tot Ion:330 Resp: 105022

Ion Ratio Lower Upper

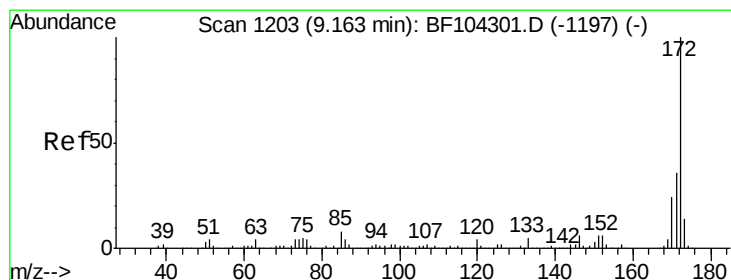
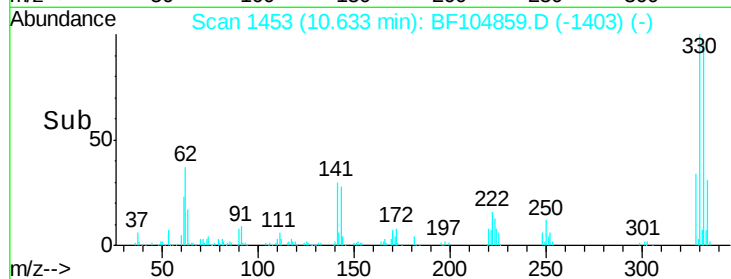
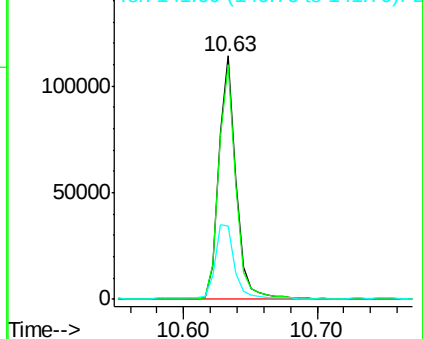
330 100

332 96.8 77.0 115.6

141 35.1 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: 69.008 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

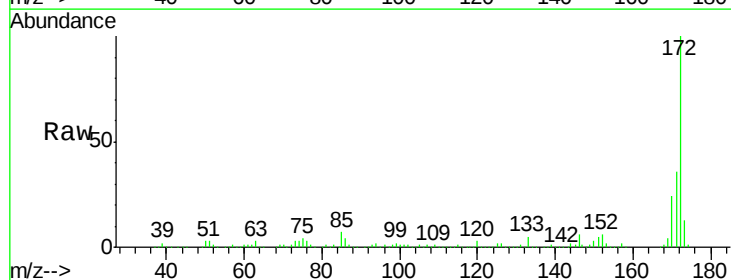
Tgt Ion:172 Resp: 672120

Ion Ratio Lower Upper

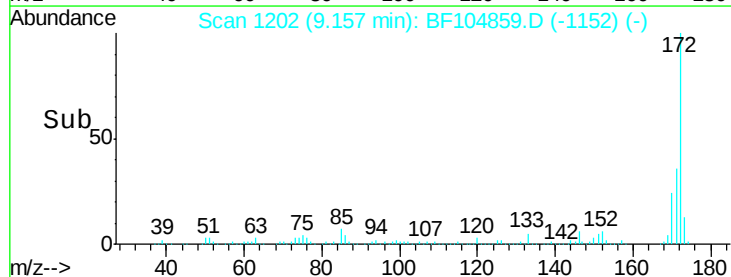
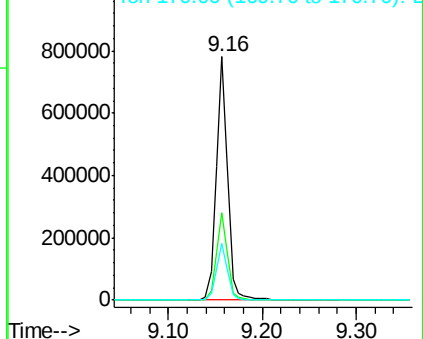
172 100

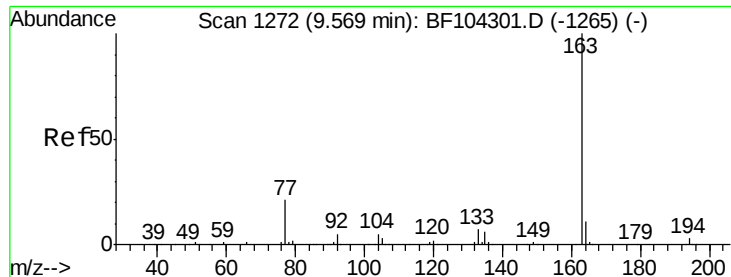
171 36.0 29.7 44.5

170 23.5 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

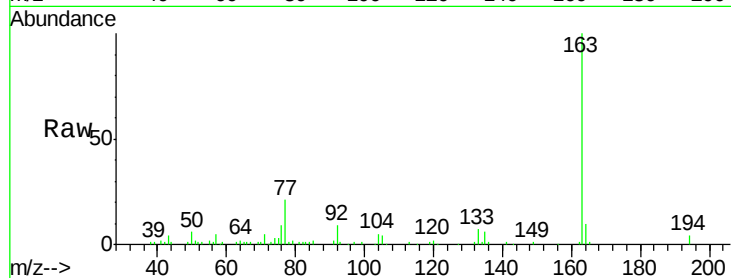




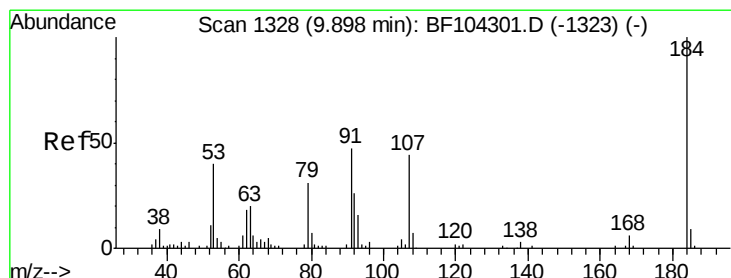
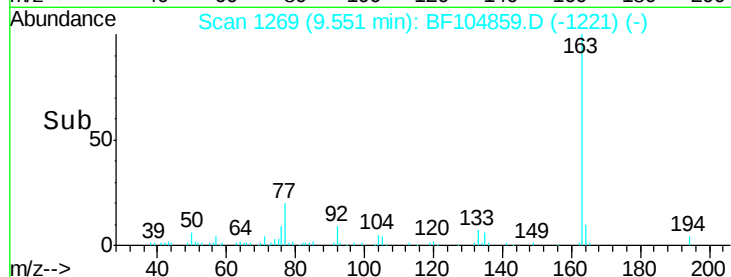
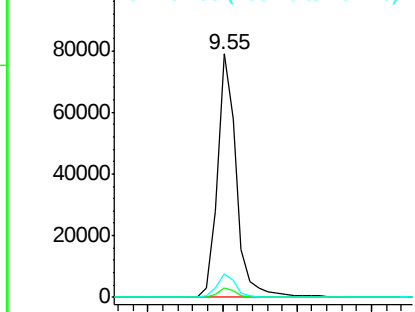
#49
Dimethylphthalate
Concen: 5.746 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 69720
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.7 8.2 12.2

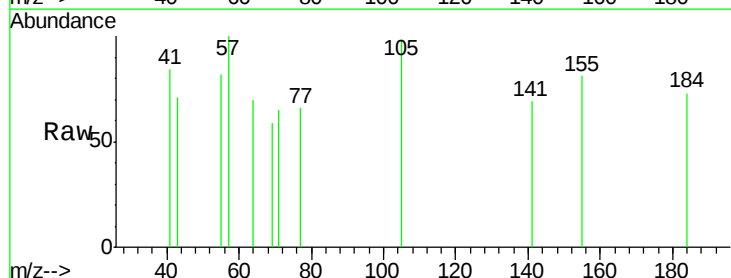


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

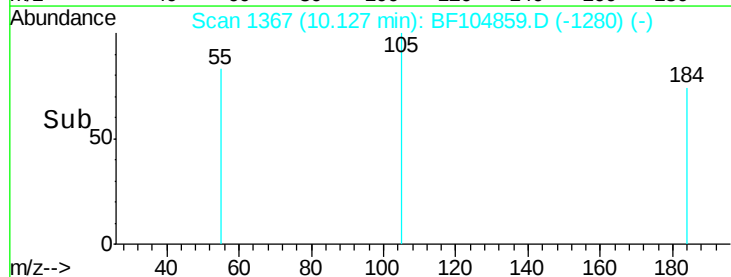
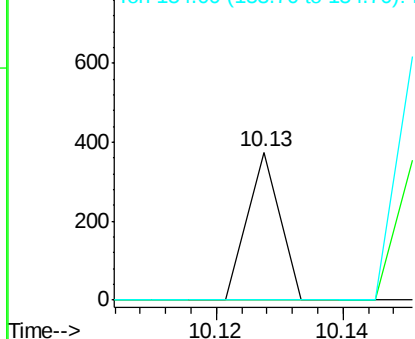


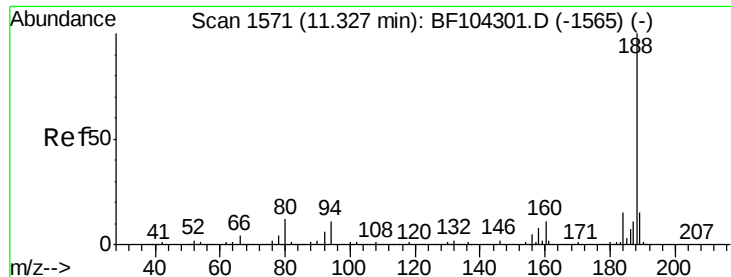
#53
2,4-Dinitrophenol
Concen: 5.340 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.21 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion:184 Resp: 132
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

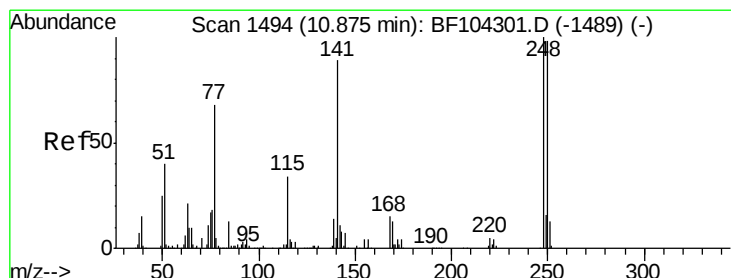
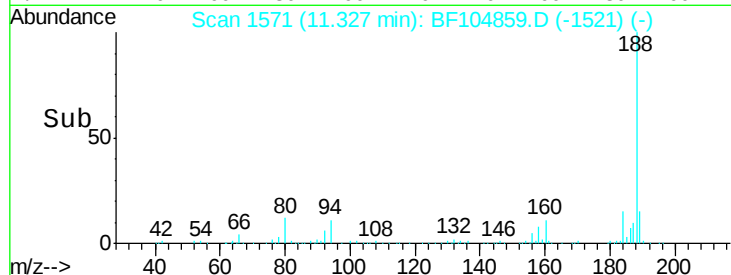
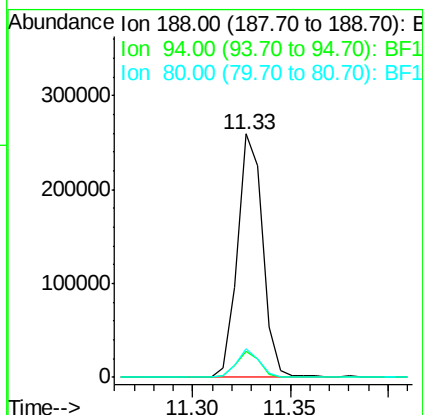
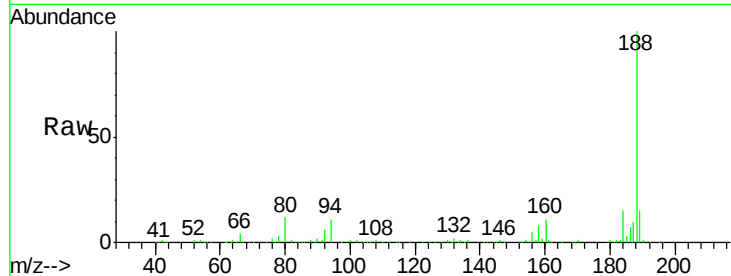




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104859.D
 Acq: 27 Apr 2018 3:51

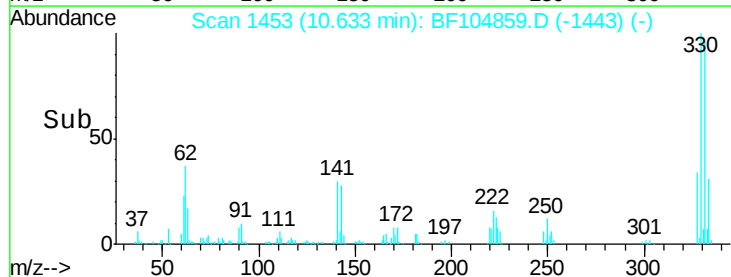
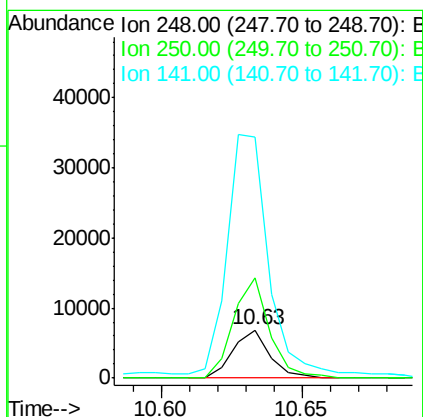
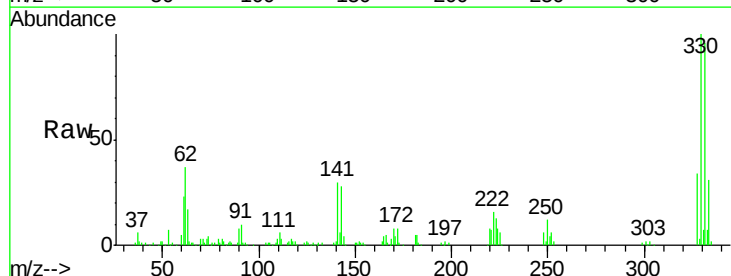
Instrument :
 BNA_F
 ClientSampleId :

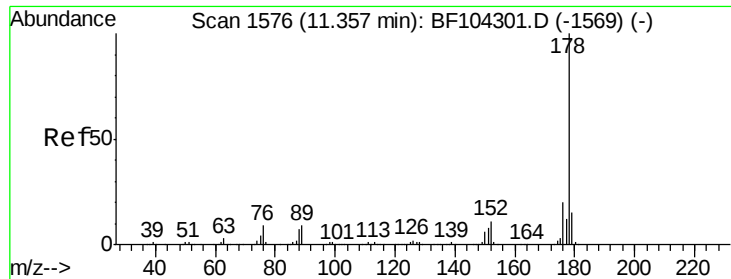
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.515 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104859.D
 Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.5	76.9	115.3#
141	501.6	74.4	111.6#





#70

Phenanthrene

Concen: 19.091 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

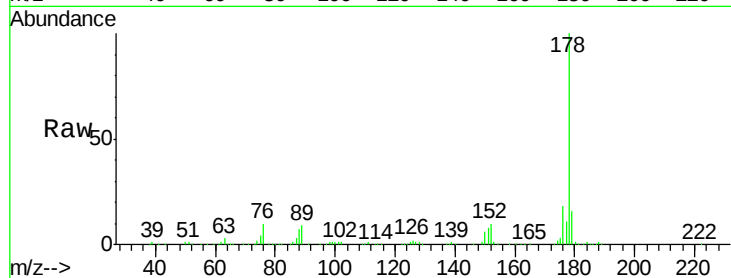
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 247542

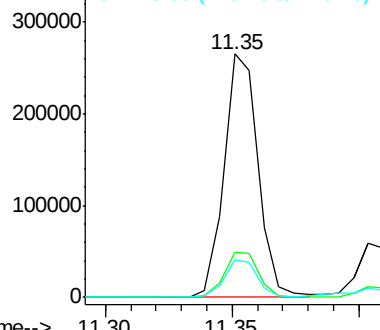
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.6	13.0	19.6



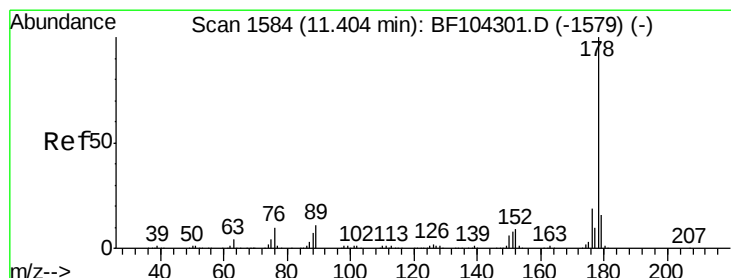
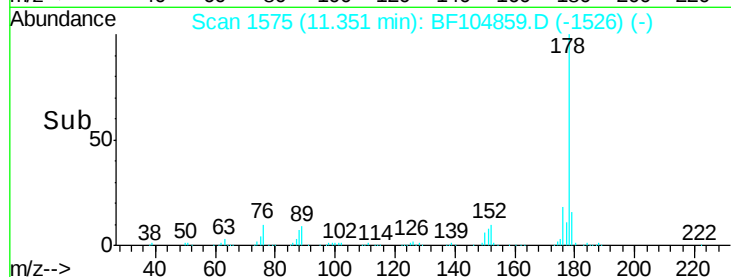
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.30 11.35



#71

Anthracene

Concen: 4.014 ng

RT: 11.40 min Scan# 1584

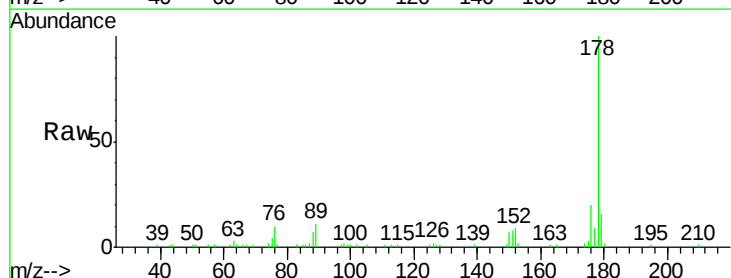
Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:178 Resp: 52907

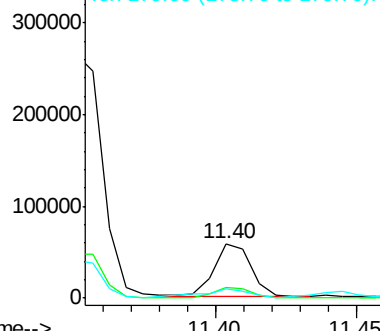
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	16.2	12.6	19.0



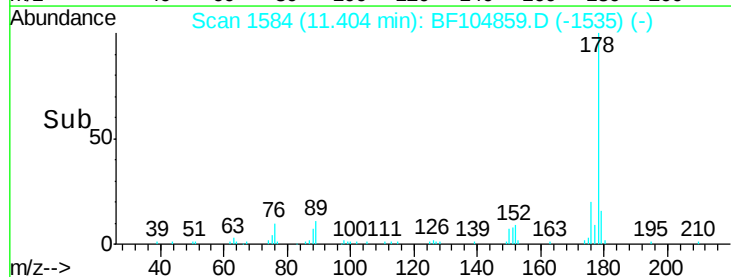
Abundance Ion 178.00 (177.70 to 178.70): E

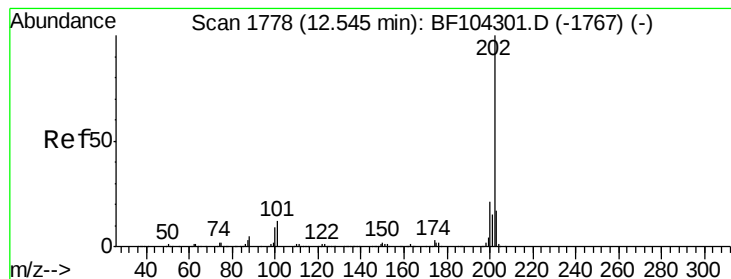
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.40 11.45





#74

Fluoranthene

Concen: 21.623 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104859.D

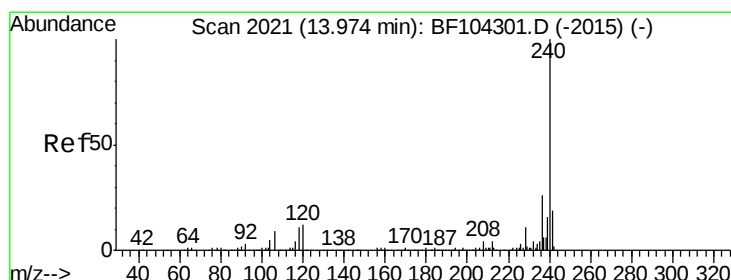
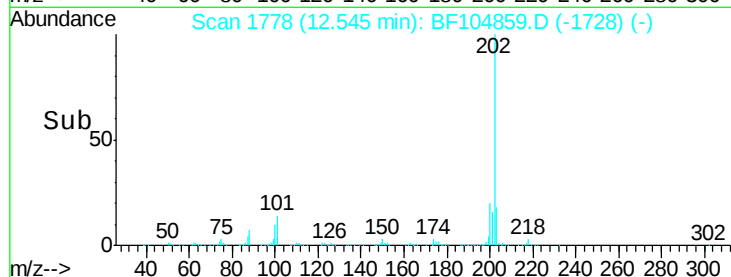
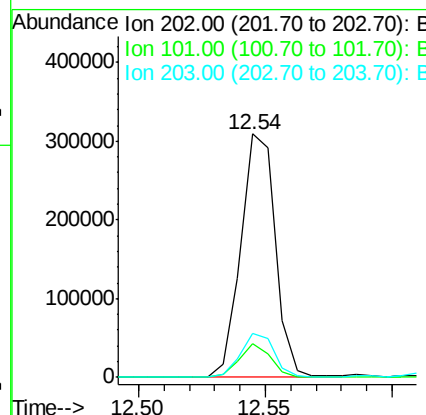
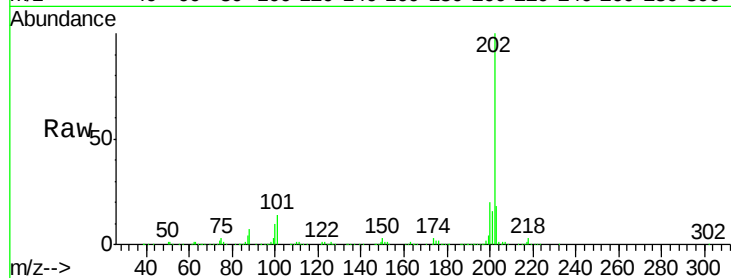
Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	292935
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.8	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

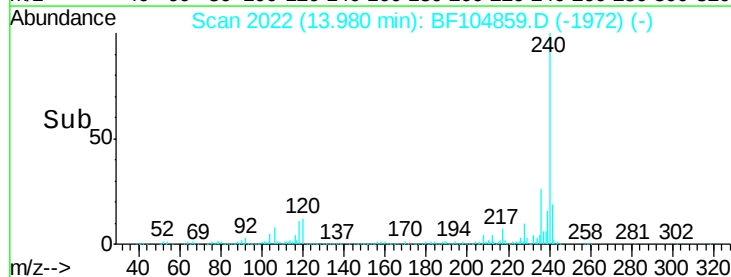
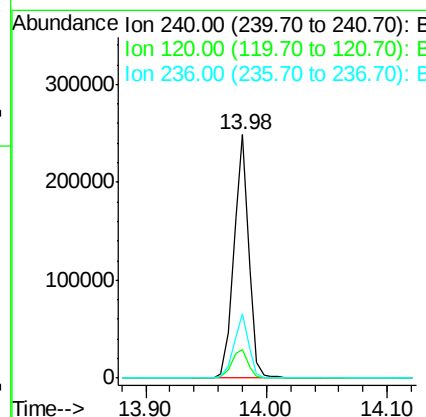
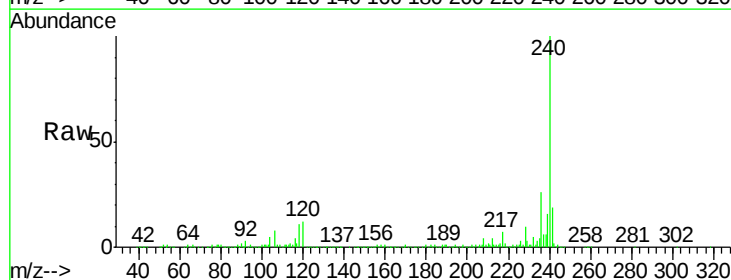
RT: 13.98 min Scan# 2022

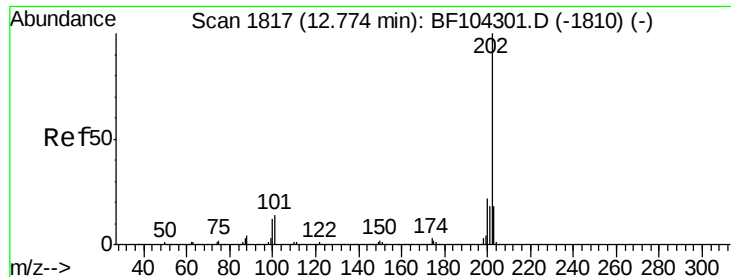
Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:	240	Resp:	211891
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	26.5	20.7	31.1

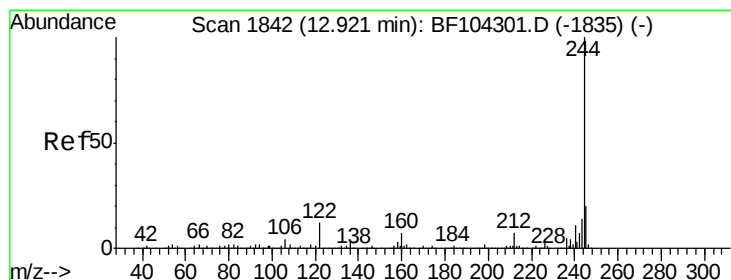
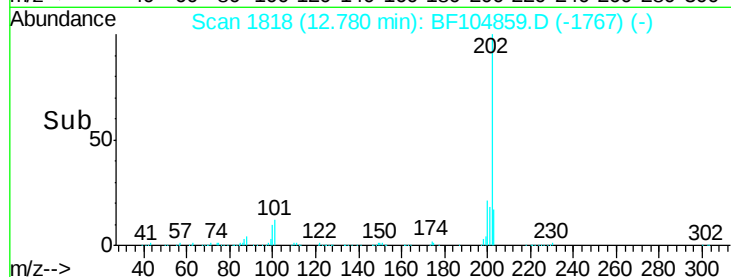
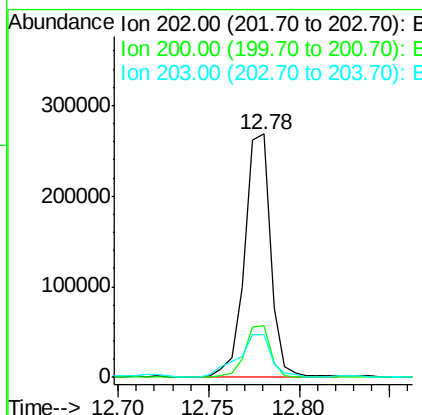
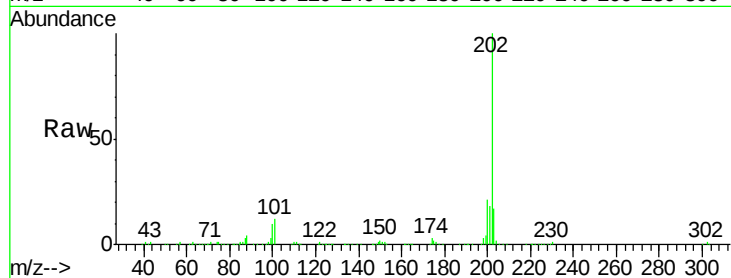




#77
Pvrene
Concen: 16.971 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

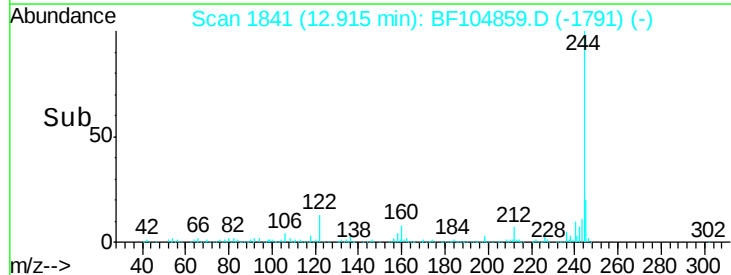
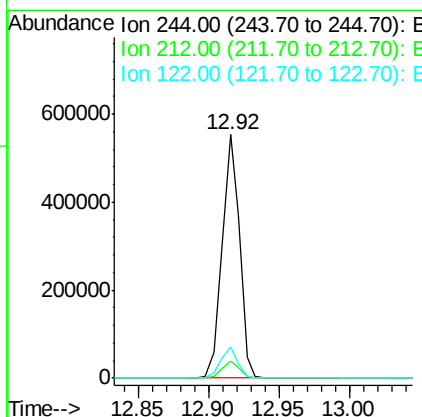
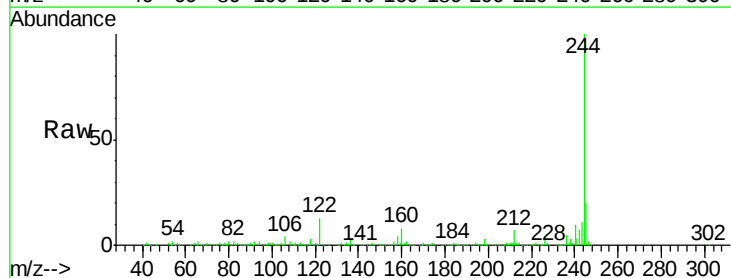
Instrument :
BNA_F
ClientSampleId :

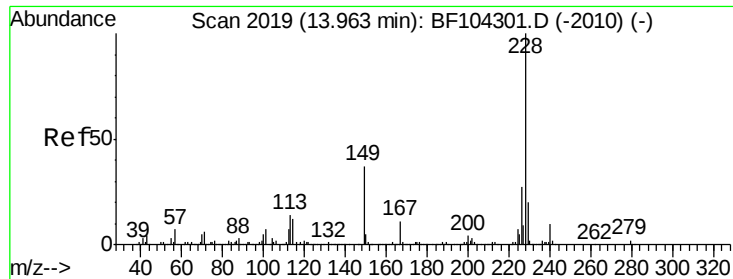
Tot Ion:202 Resp: 266548
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 50.742 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion:244 Resp: 471604
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.7 11.0 16.4





#80

Benzo(a)anthracene

Concen: 10.916 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104859.D

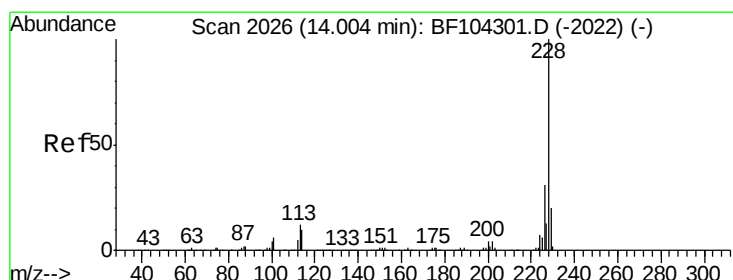
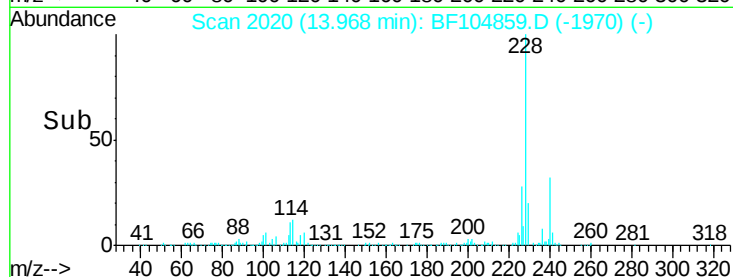
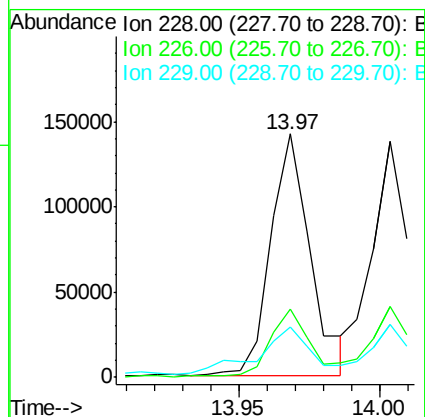
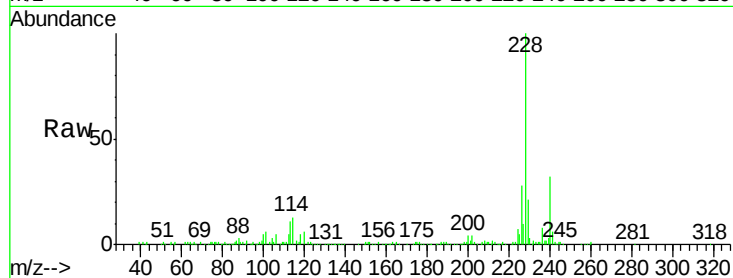
Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	228	Resp:	138187
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.9	15.8	23.6



#82

Chrysene

Concen: 9.427 ng

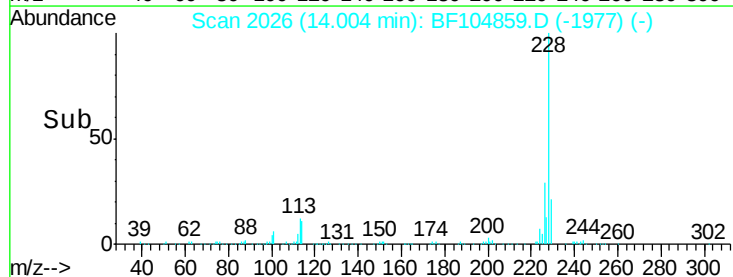
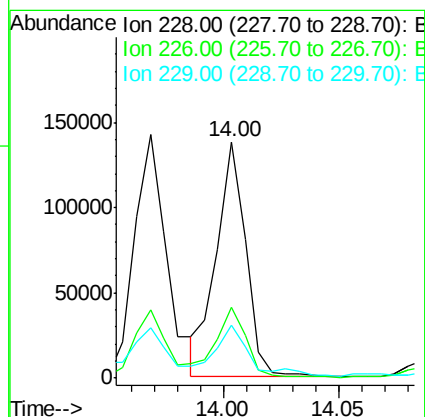
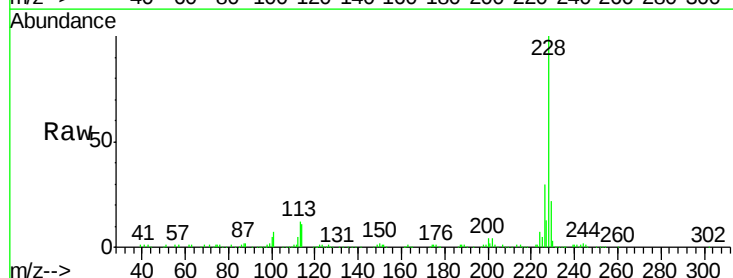
RT: 14.00 min Scan# 2026

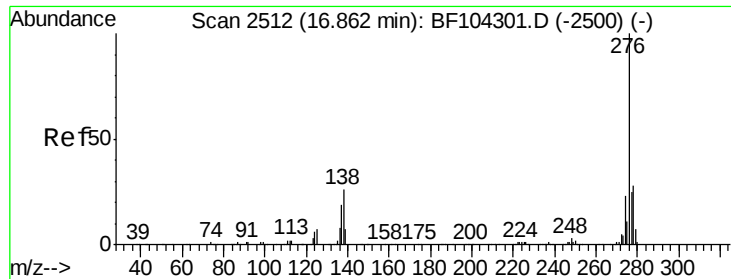
Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:	228	Resp:	122576
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.153 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.03 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

ClientSampleId :

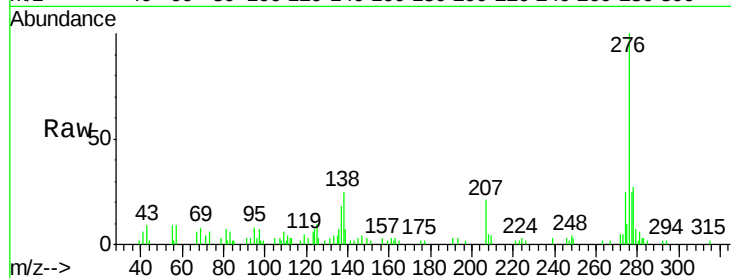
Tot Ion:276 Resp: 34821

Ion Ratio Lower Upper

276 100

138 22.9 25.0 37.6#

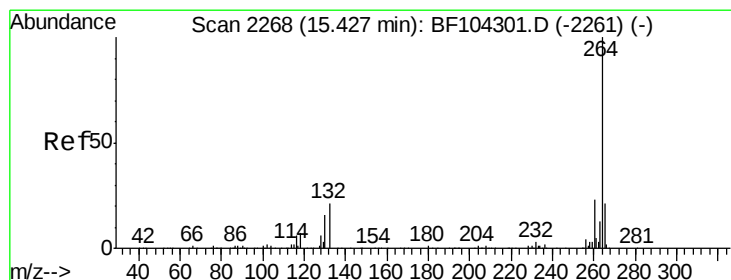
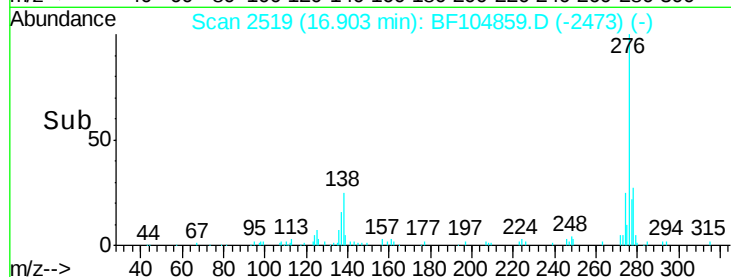
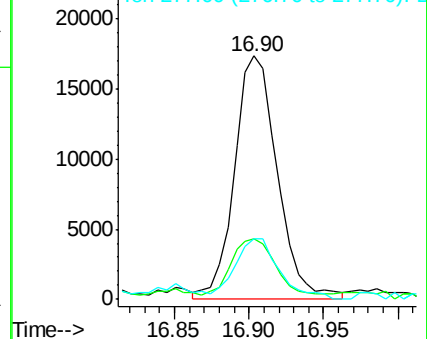
277 25.7 20.1 30.1



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. -0.02 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

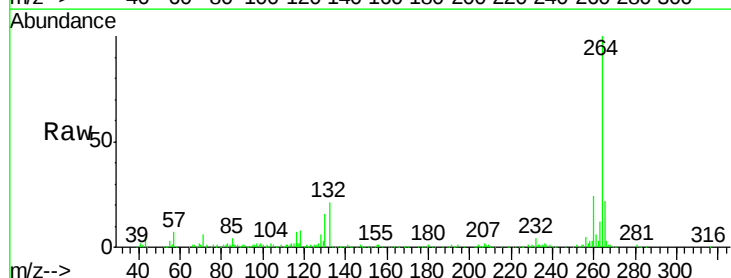
Tgt Ion:264 Resp: 156863

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

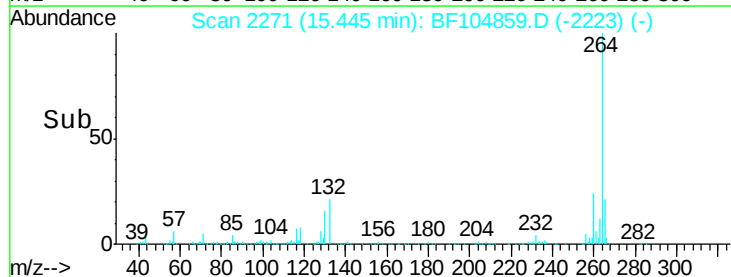
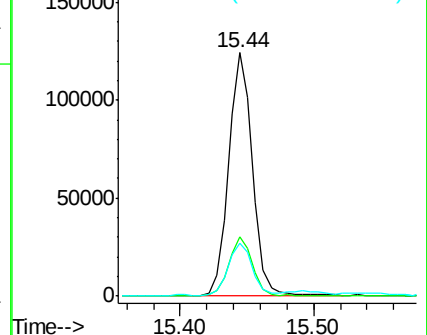
265 21.7 17.5 26.3

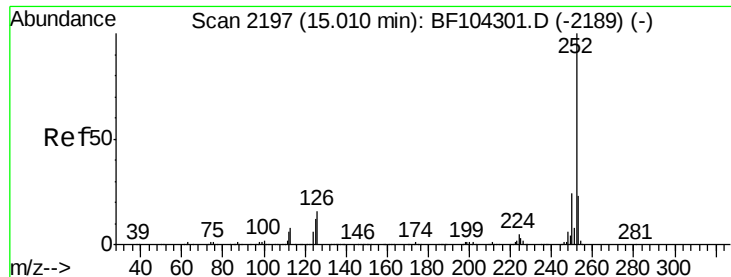


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

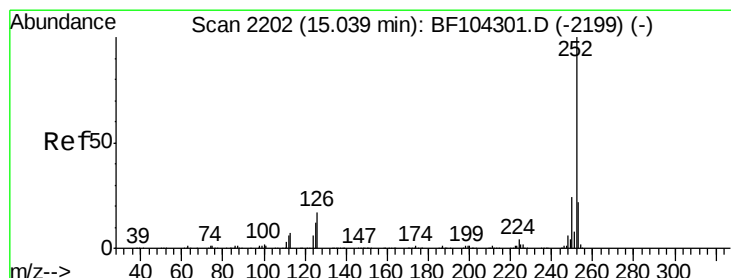
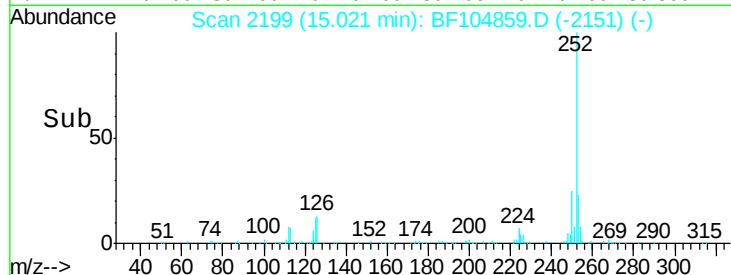
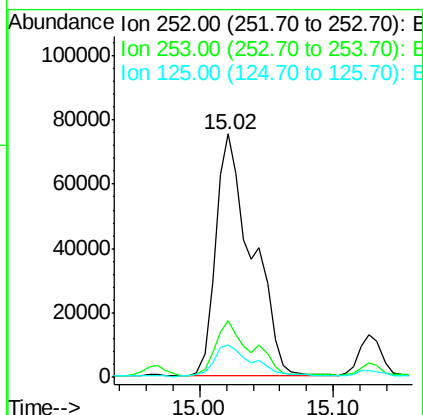
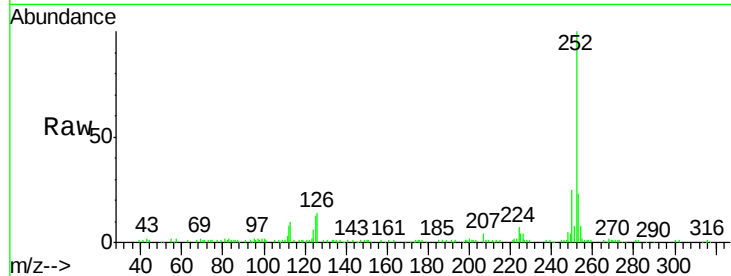




#87
Benzo(b)fluoranthene
Concen: 14.344 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

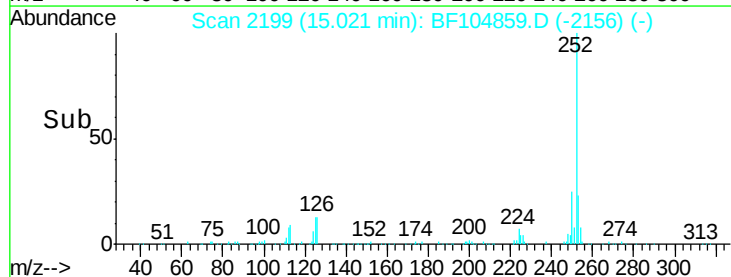
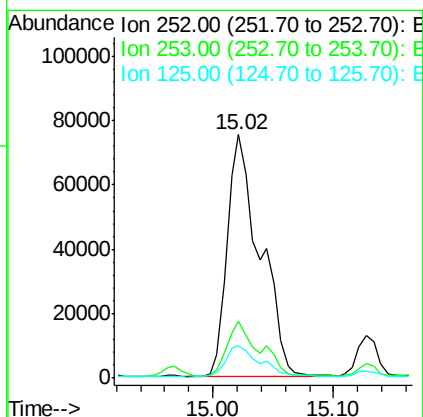
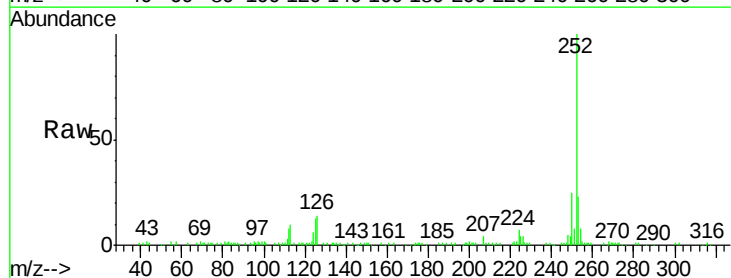
Instrument :
BNA_F
ClientSampleId :

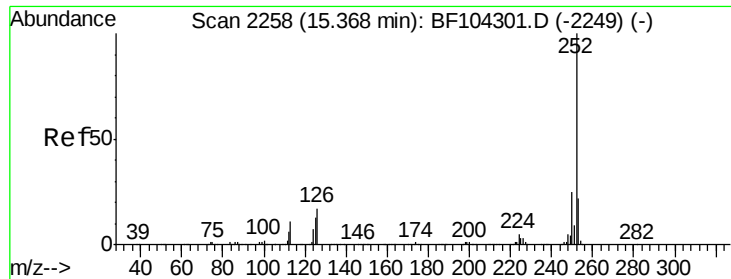
Tot Ion:252 Resp: 142111
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 13.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 15.183 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion:252 Resp: 142007
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 13.1 10.2 15.2

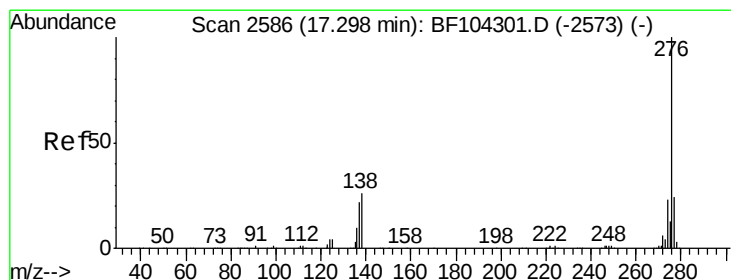
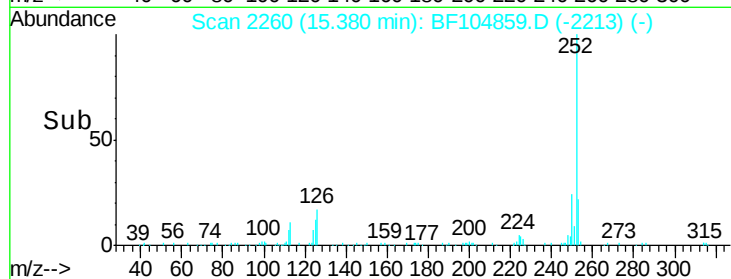
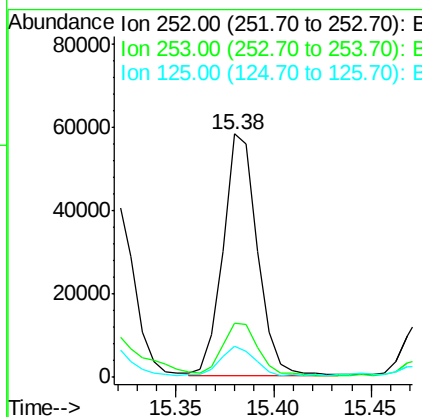
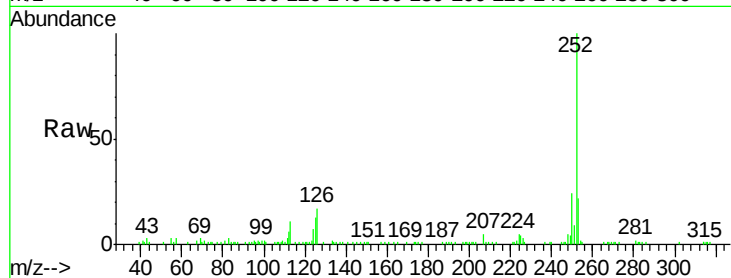




#89
Benzo(a)pyrene
Concen: 8.013 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 71029
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 13.0 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 4.240 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion:276 Resp: 29909
Ion Ratio Lower Upper
276 100
277 25.2 17.9 26.9
138 25.0 21.8 32.8

