

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104841.D
 Acq On : 26 Apr 2018 17:08
 Operator : JU/SJ
 Sample : J2525-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:34:04 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	109320	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	441419	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	182563	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	277876	20.00	ng	0.00
75) Chrysene-d12	13.98	240	233413	20.00	ng	0.00
86) Perylene-d12	15.45	264	202542	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	676860	94.67	ng	0.00
7) Phenol-d6	6.45	99	813781	92.64	ng	0.00
23) Nitrobenzene-d5	7.36	82	499379	73.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	172026	90.84	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	796822	68.95	ng	0.00
78) Terphenyl-d14	12.92	244	536702	52.42	ng	0.00

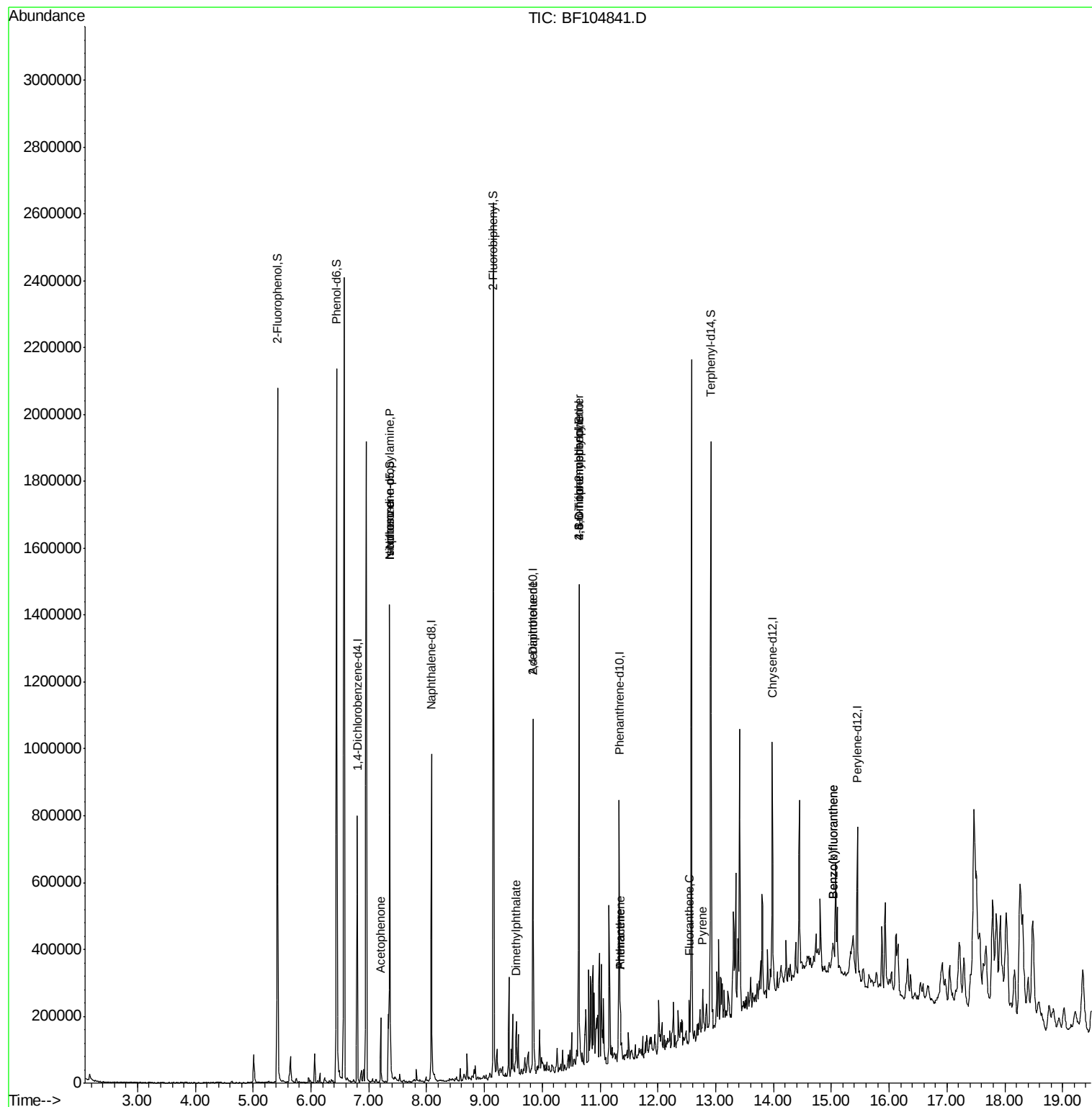
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	64361	11.212	ng	# 74
22) Acetophenone	7.20	105	56240	5.175	ng	# 91
25) Isophorone	7.36	82	499373	34.933	ng	# 64
49) Dimethylphthalate	9.55	163	56282	3.909	ng	99
56) 2,4-Dinitrotoluene	9.84	165	23647	6.767	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	316	7.545	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10446	3.534	ng	# 1
70) Phenanthrene	11.35	178	33642	2.174	ng	99
71) Anthracene	11.35	178	33642	2.139	ng	99
74) Fluoranthene	12.54	202	45982	2.844	ng	99
76) Benzidine	12.59	184	983	Below Cal		# 1
77) Pylene	12.77	202	38450	2.222	ng	99
87) Benzo(b)fluoranthene	15.02	252	34771	2.718	ng	# 76
88) Benzo(k)fluoranthene	15.02	252	34771	2.879	ng	# 79

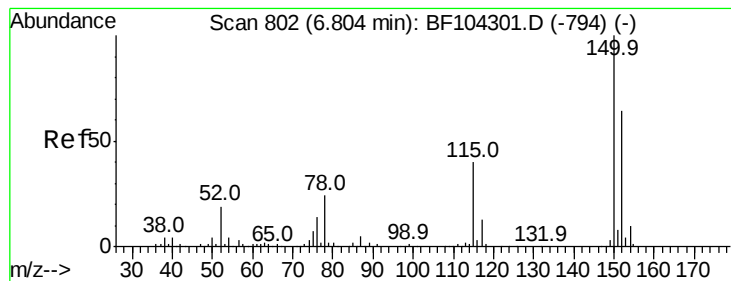
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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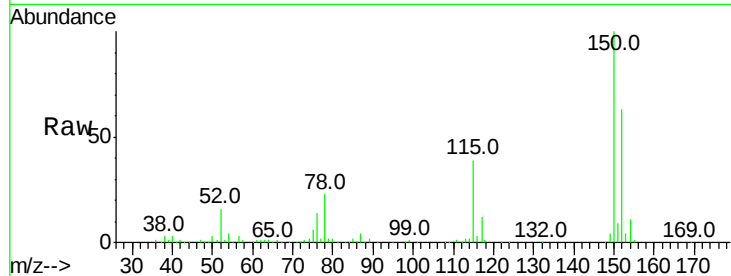


#1

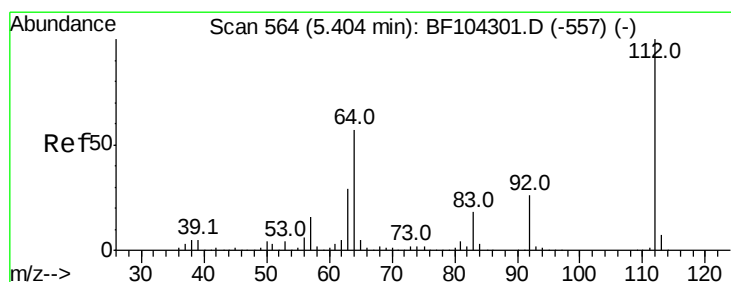
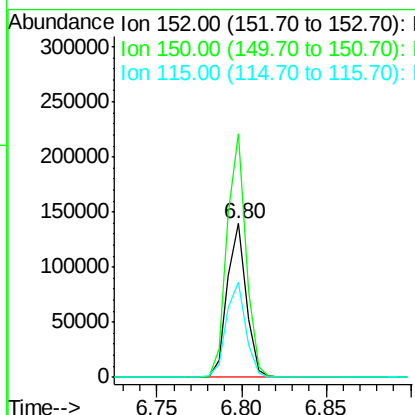
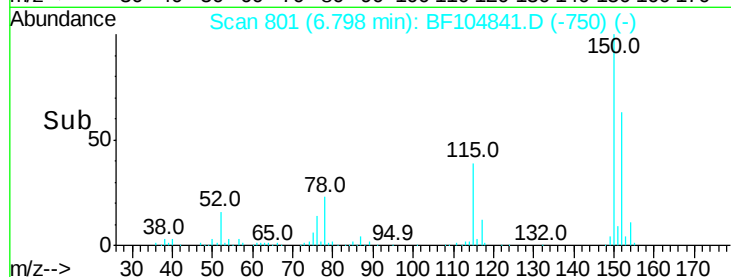
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109320
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 61.8 50.1 75.1



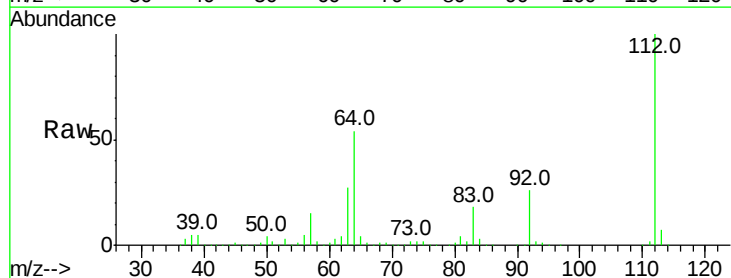
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



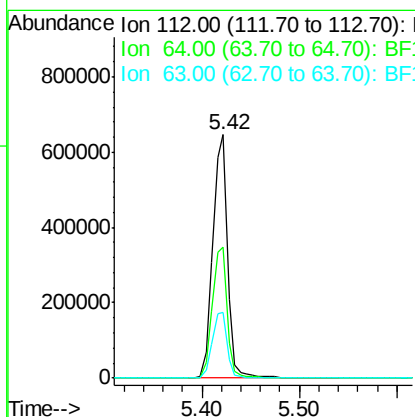
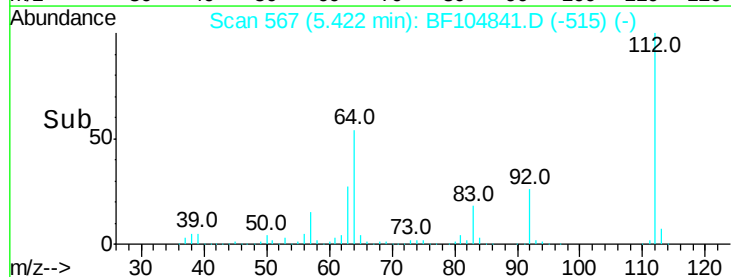
#5

2-Fluorophenol
Concen: 94.672 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Tgt Ion:112 Resp: 676860
Ion Ratio Lower Upper
112 100
64 53.7 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: 92.639 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

Instrument :

BNA_F

ClientSampled :

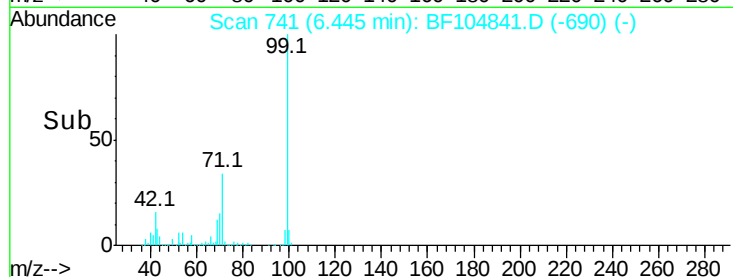
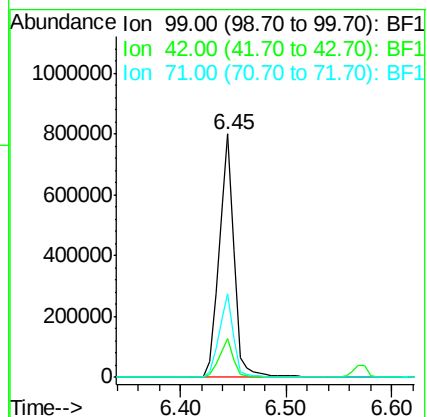
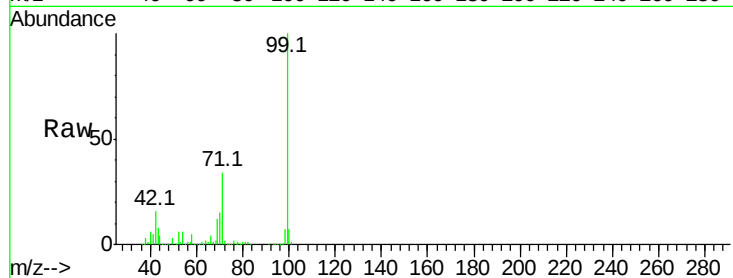
Tot Ion: 99 Resp: 813781

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 34.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.212 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

Tgt Ion: 70 Resp: 64361

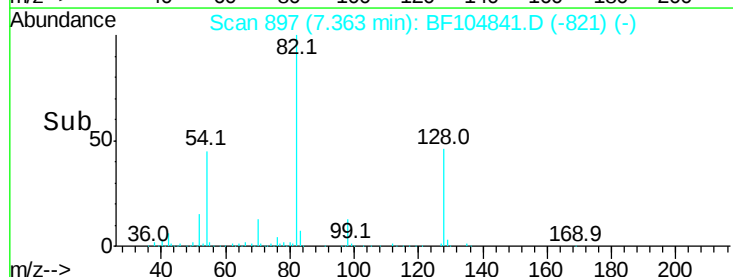
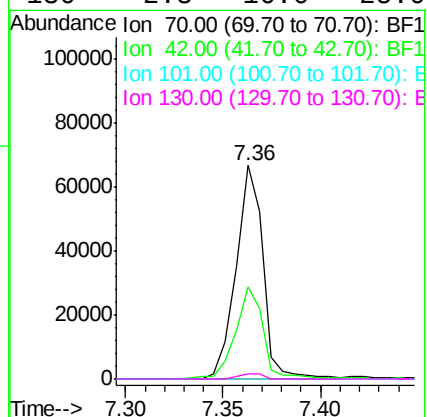
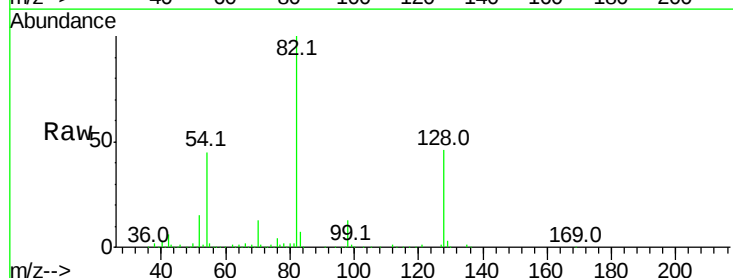
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

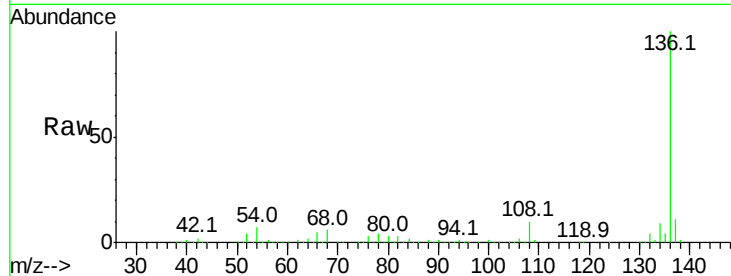




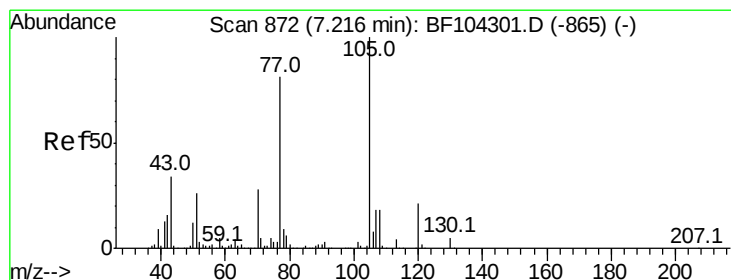
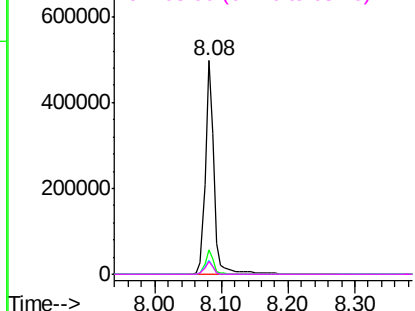
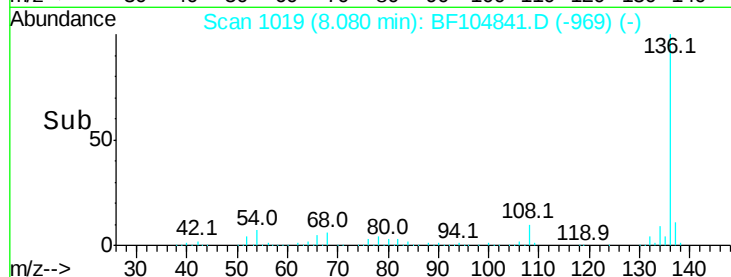
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	441419
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.7	6.6 9.8
68	6.0	5.0 7.4

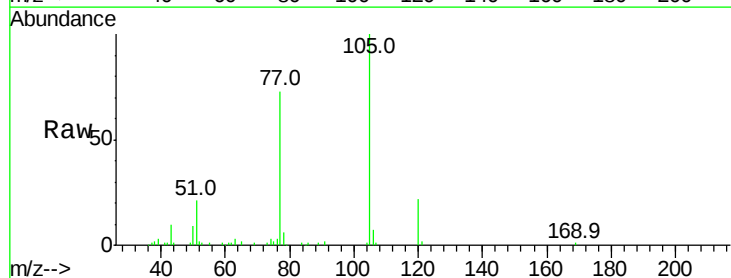


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

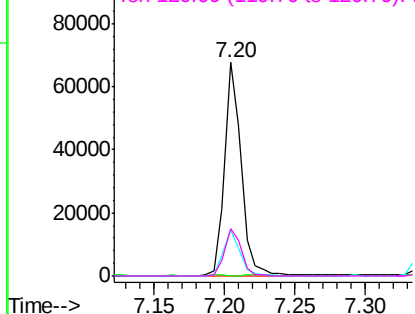
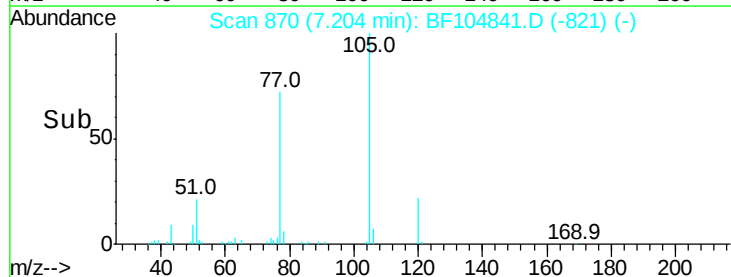


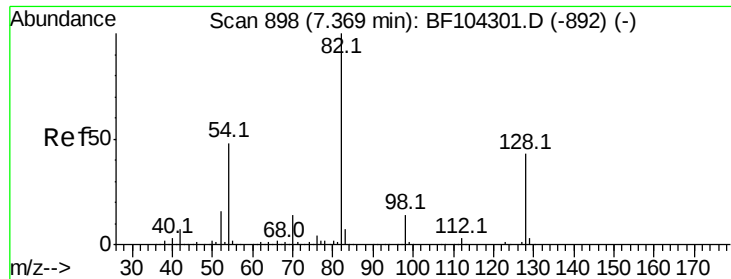
#22
Acetophenone
Concen: 5.175 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Tgt Ion:105	Resp:	56240
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	21.4	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

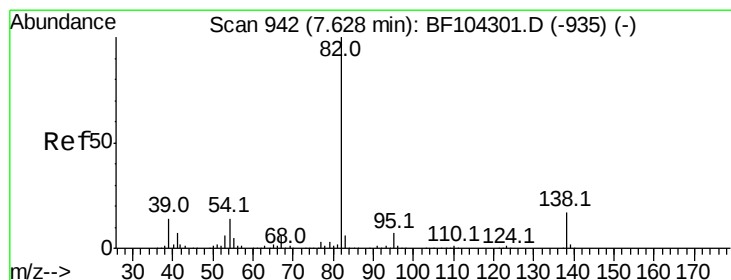
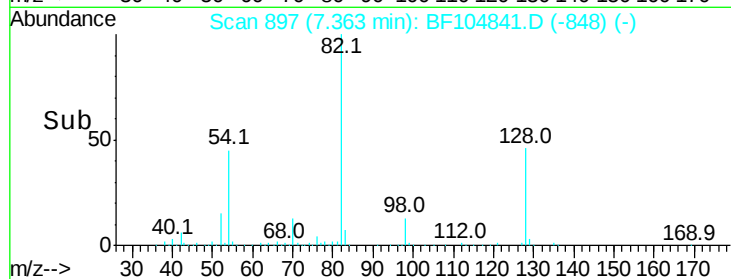
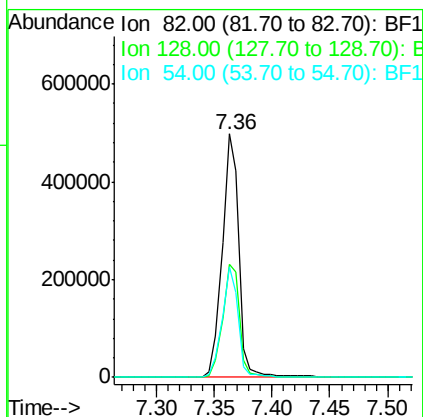
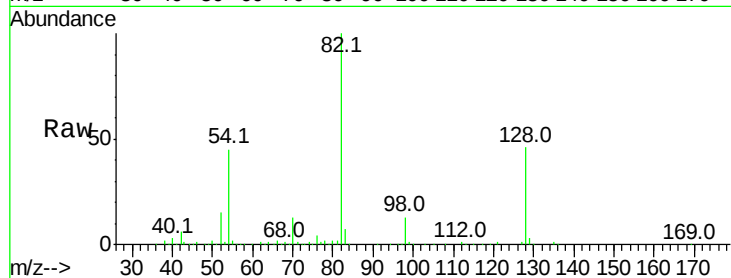




#23
Nitrobenzene-d5
Concen: 73.872 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

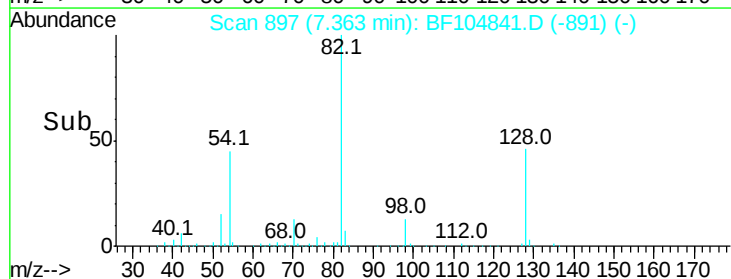
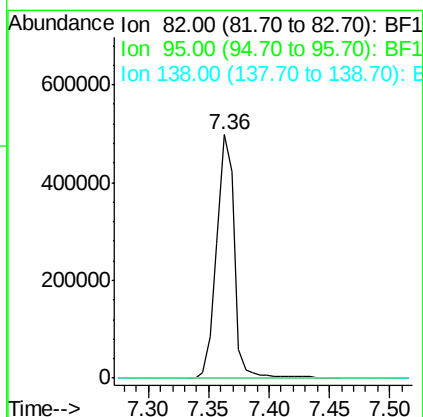
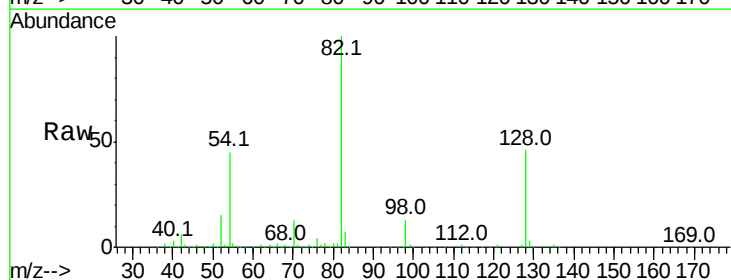
Instrument :
BNA_F
ClientSampleId :

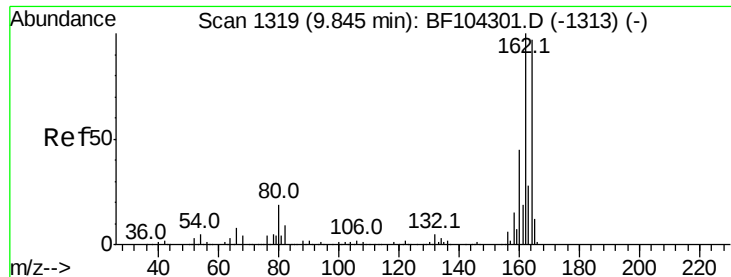
Tot Ion	82	Resp	499379
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	45.2	41.4	62.2



#25
Isophorone
Concen: 34.933 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Tgt Ion	82	Resp	499373
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

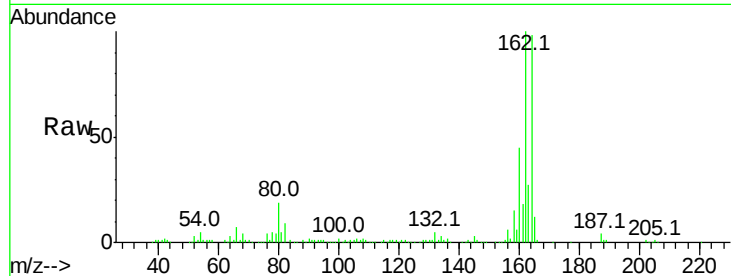




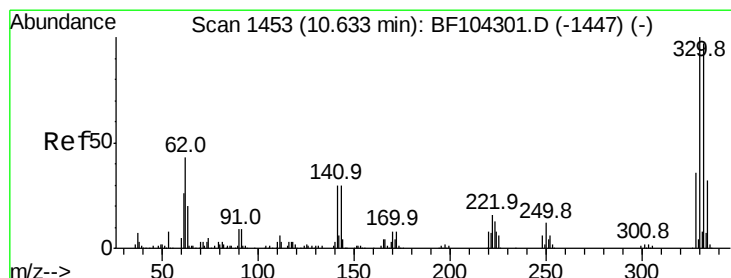
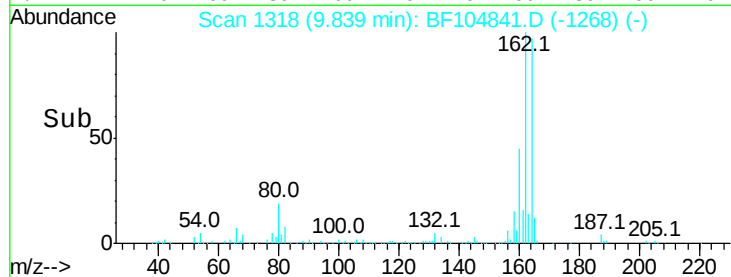
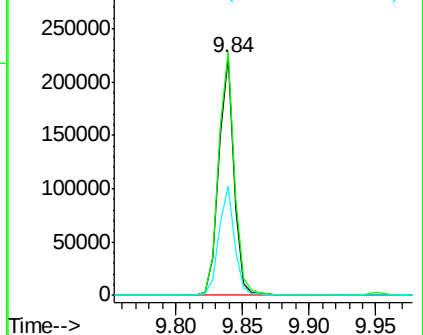
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104841.D
 Acq: 26 Apr 2018 17:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 182563
 Ion Ratio Lower Upper
 164 100
 162 102.1 86.1 129.1
 160 45.8 38.3 57.5

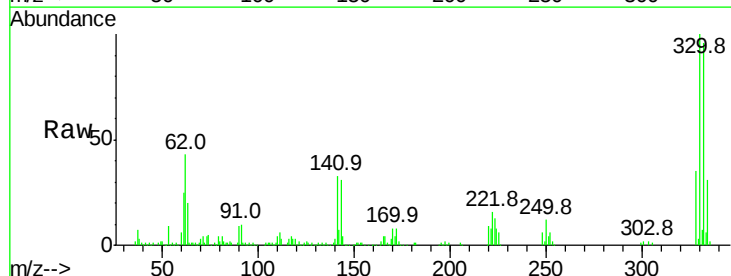


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

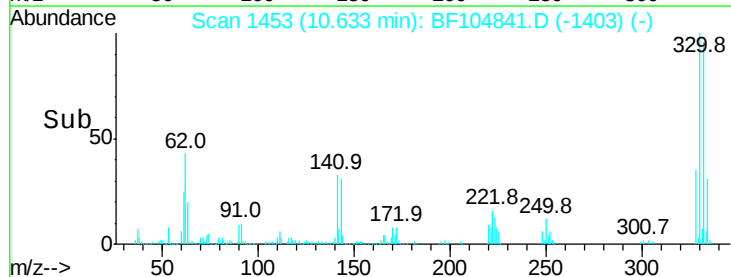
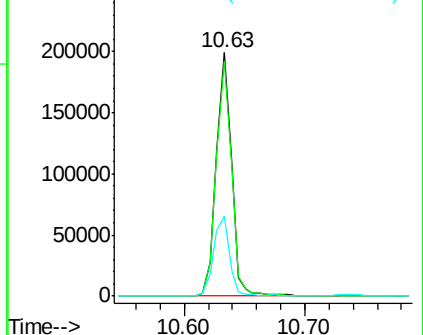


#41
 2,4,6-Tribromophenol
 Concen: 90.838 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104841.D
 Acq: 26 Apr 2018 17:08

Tgt Ion:330 Resp: 172026
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 34.4 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



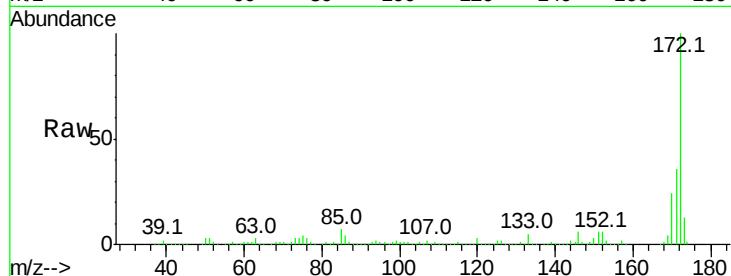


#44
 2-Fluorobiphenyl
 Concen: 68.950 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104841.D
 Acq: 26 Apr 2018 17:08

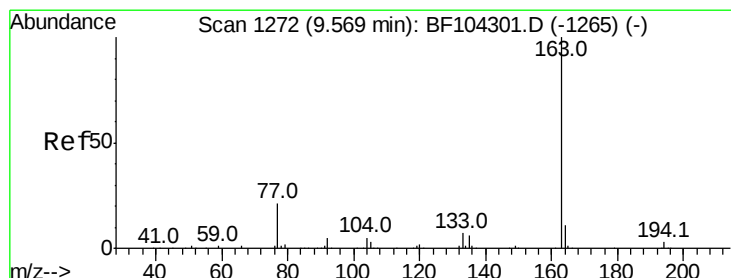
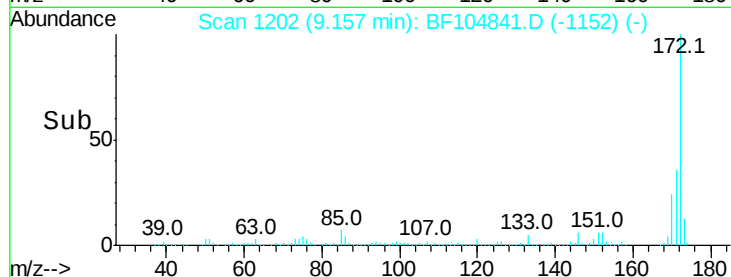
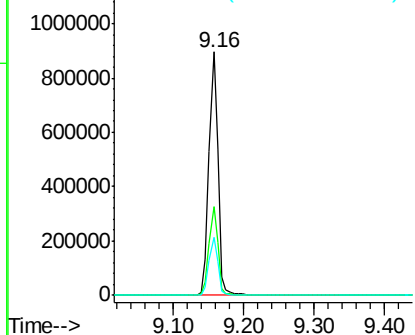
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 796822

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.6	19.6	29.4



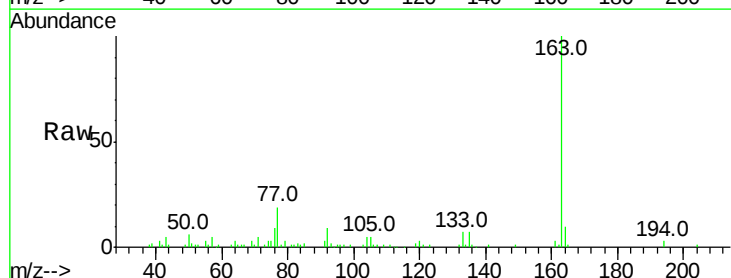
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



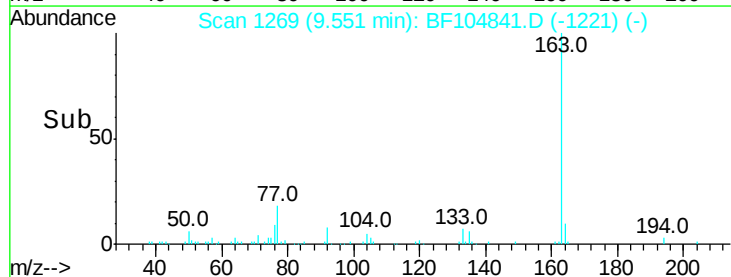
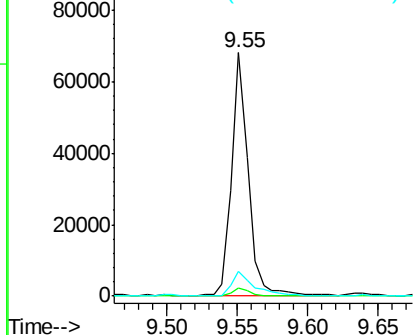
#49
 Dimethylphthalate
 Concen: 3.909 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF104841.D
 Acq: 26 Apr 2018 17:08

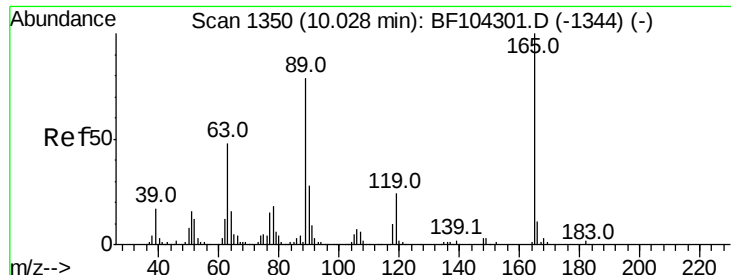
Tgt Ion:163 Resp: 56282

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.0	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

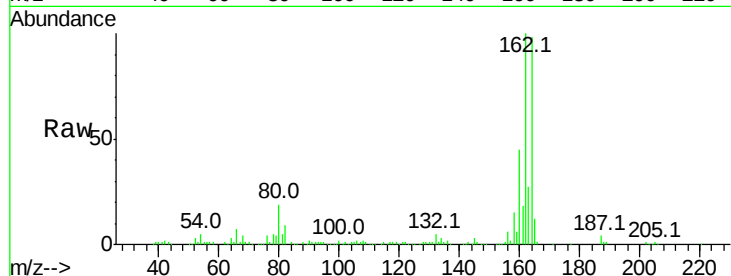




#56
 2,4-Dinitrotoluene
 Concen: 6.767 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104841.D
 Acq: 26 Apr 2018 17:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

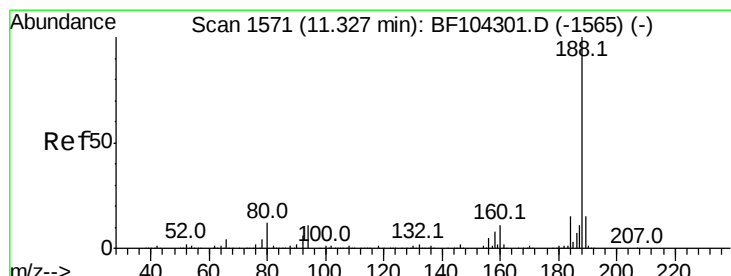
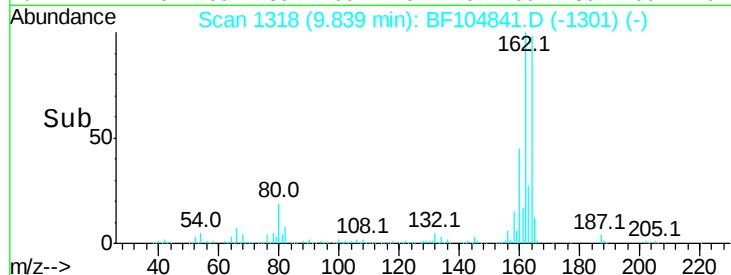
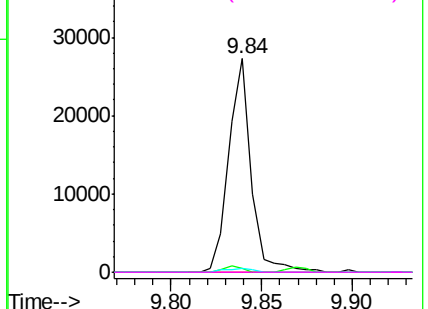


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

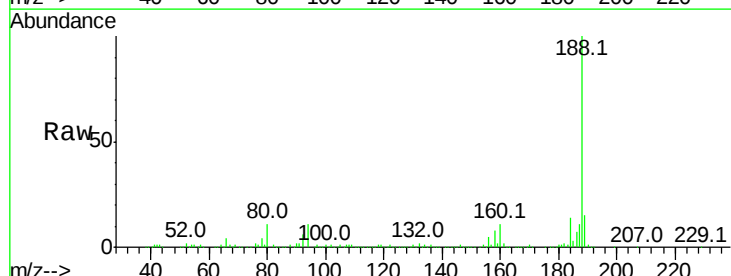
Ion 89.00 (88.70 to 89.70): BF1

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: BF104841.D
 Acq: 26 Apr 2018 17:08

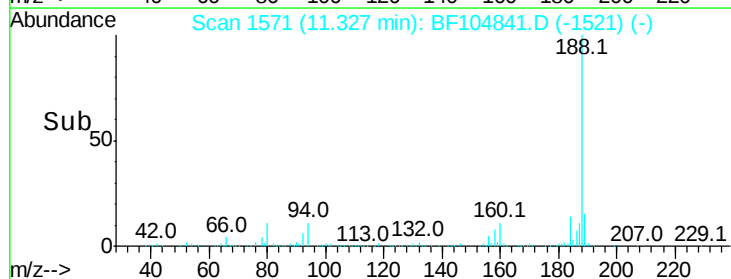
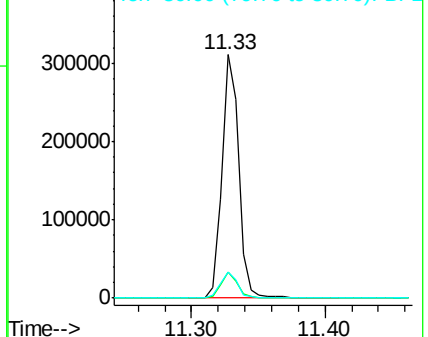
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	10.9	9.2	13.8

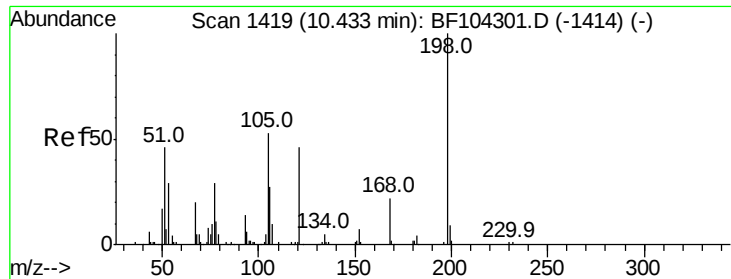


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.545 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

Instrument :

BNA_F

ClientSampled :

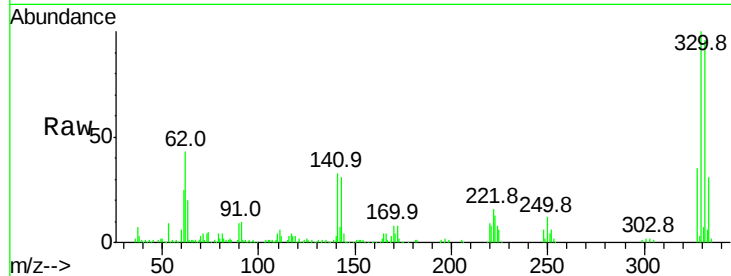
Tot Ion:198 Resp: 316

Ion Ratio Lower Upper

198 100

51 189.1 37.7 77.7#

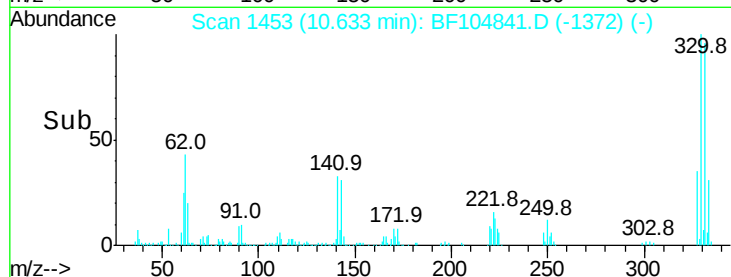
105 328.8 36.3 76.3#



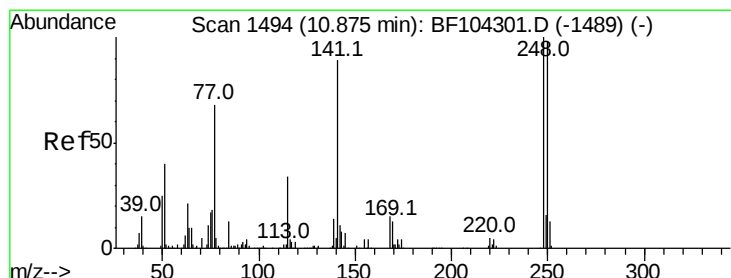
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.534 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

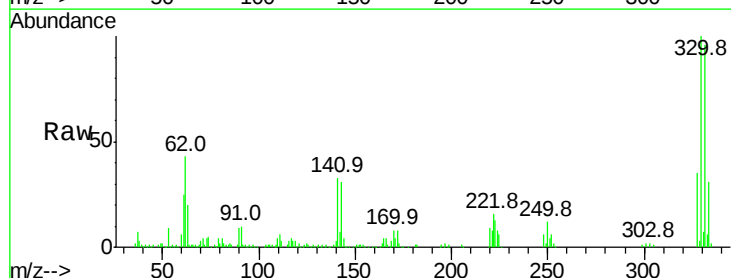
Tgt Ion:248 Resp: 10446

Ion Ratio Lower Upper

248 100

250 193.4 76.9 115.3#

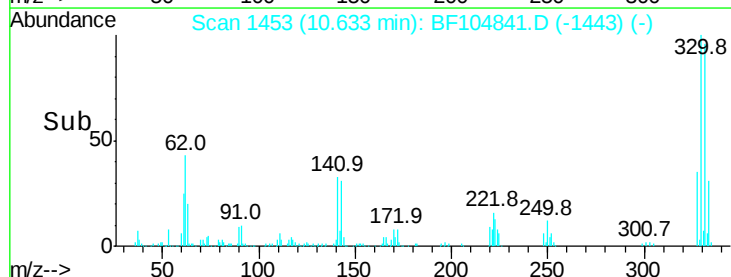
141 528.1 74.4 111.6#



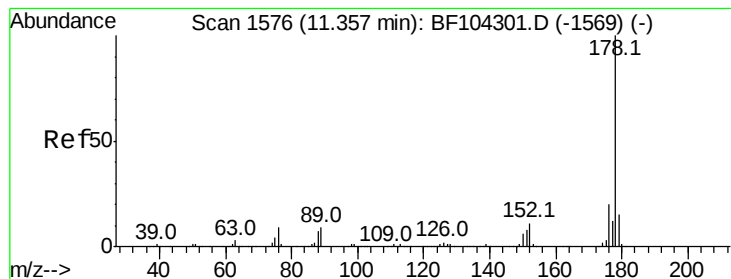
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#70

Phenanthrene

Concen: 2.174 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

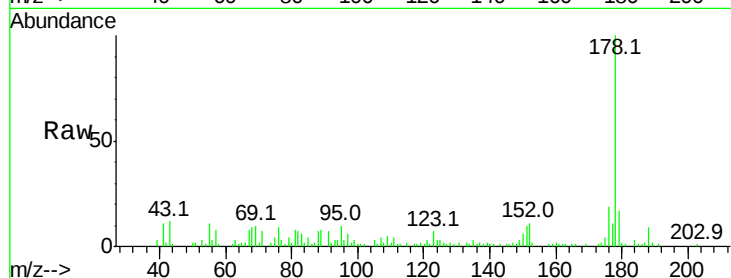
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 33642

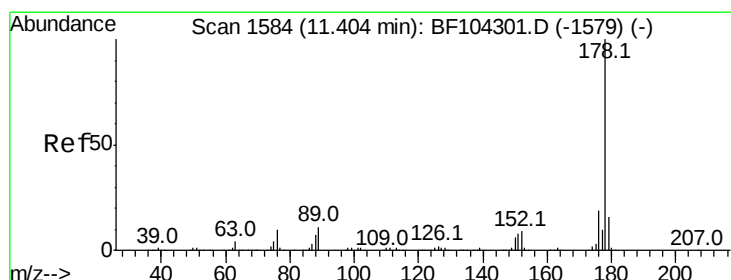
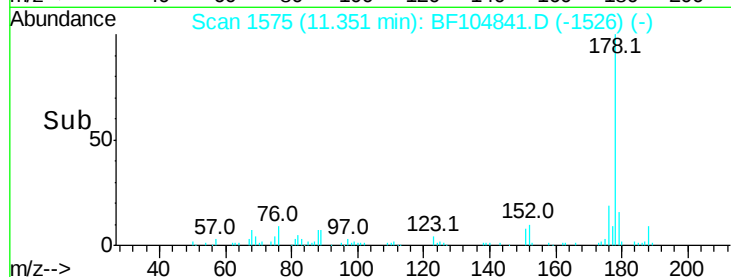
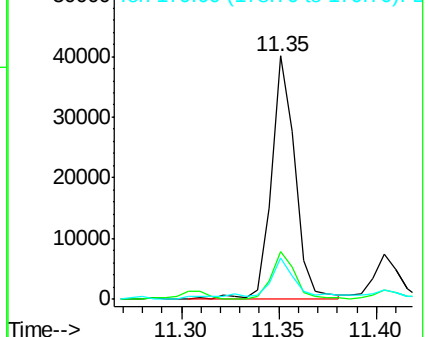
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	17.1	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.139 ng

RT: 11.35 min Scan# 1575

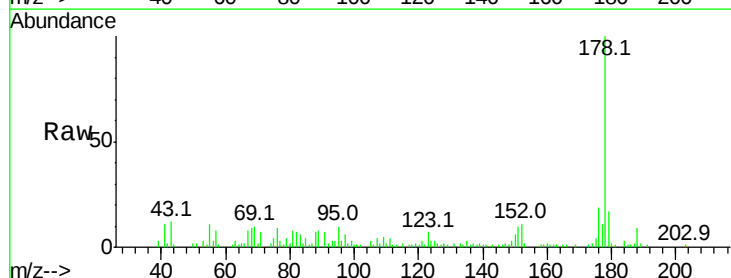
Delta R.T. -0.06 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

Tgt Ion:178 Resp: 33642

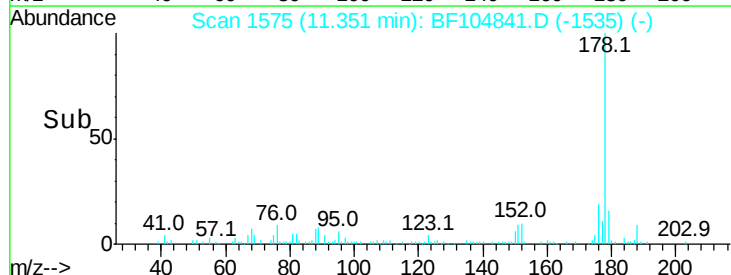
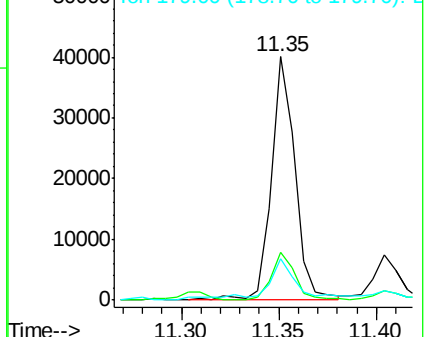
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	17.1	12.6	19.0

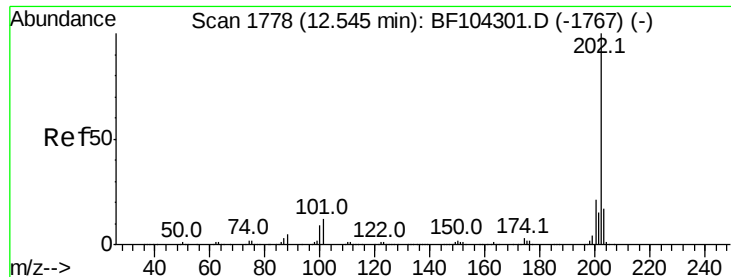


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.844 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

Instrument :

BNA_F

ClientSampleId :

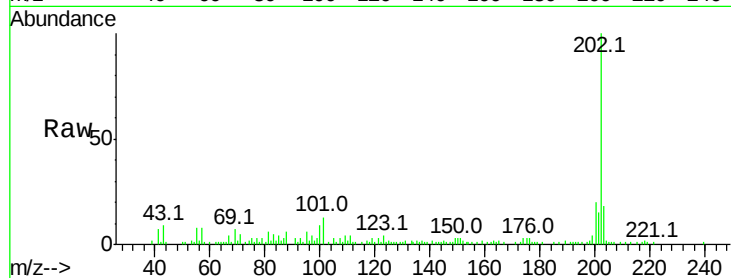
Tot Ion:202 Resp: 45982

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

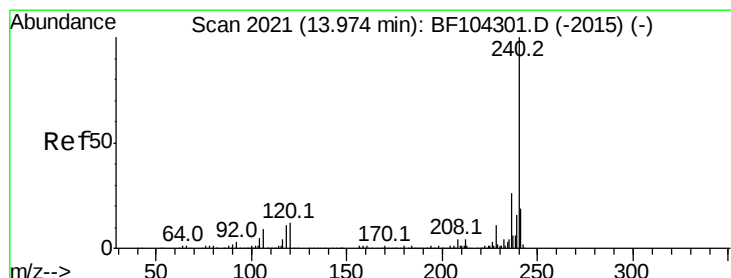
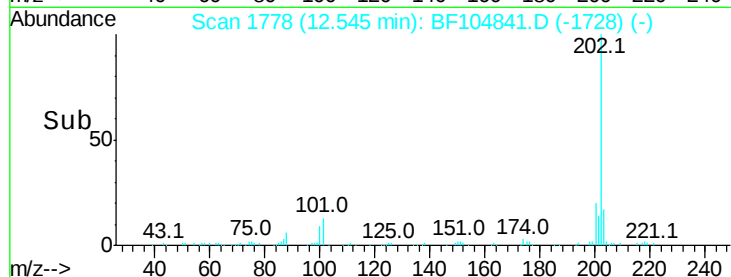
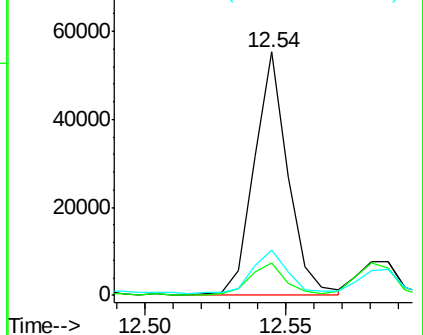
203 18.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

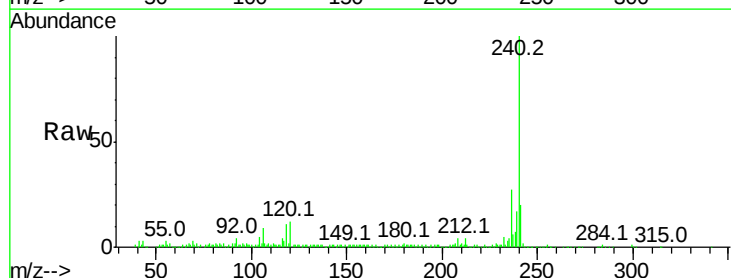
Tgt Ion:240 Resp: 233413

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

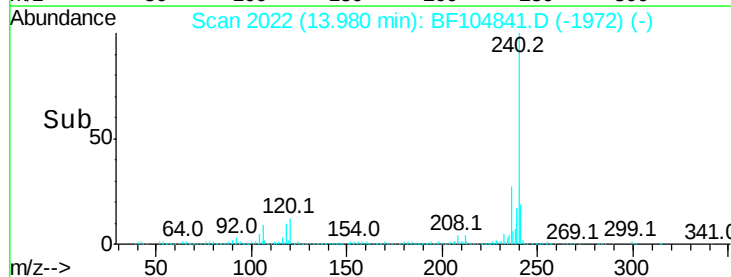
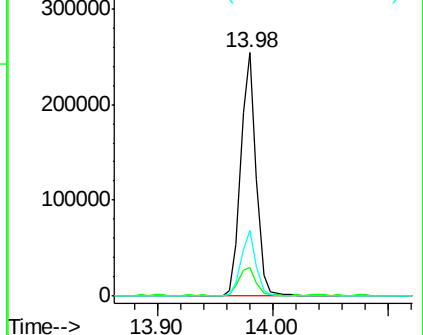
236 26.9 20.7 31.1

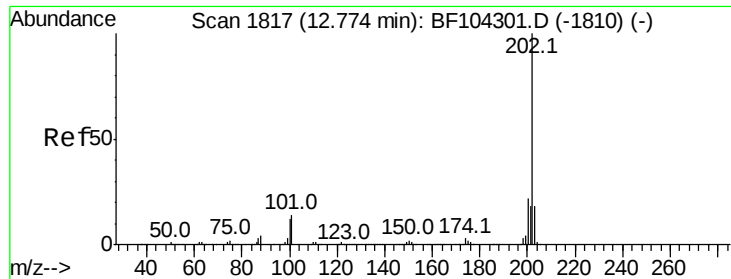


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

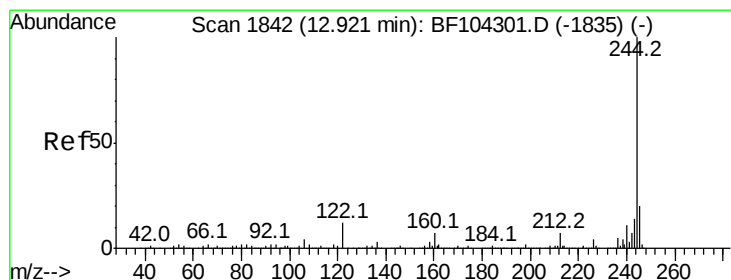
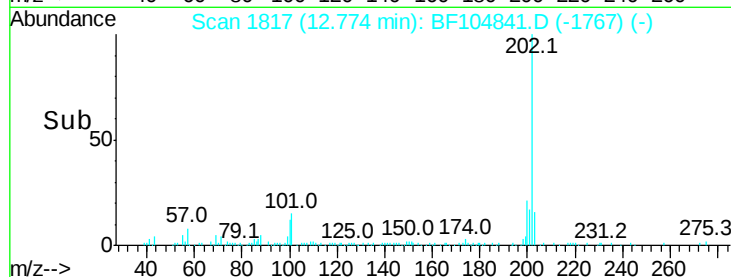
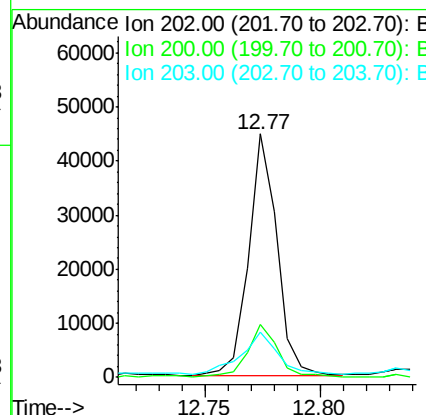
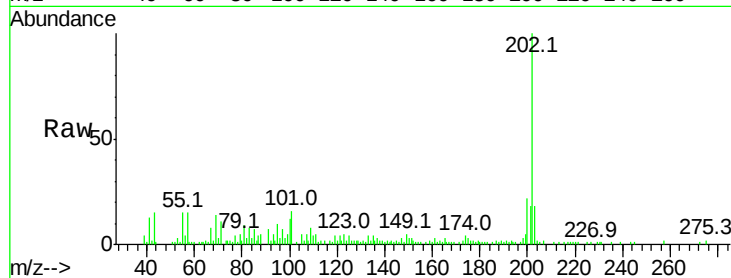




#77
Pvrene
Concen: 2.222 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

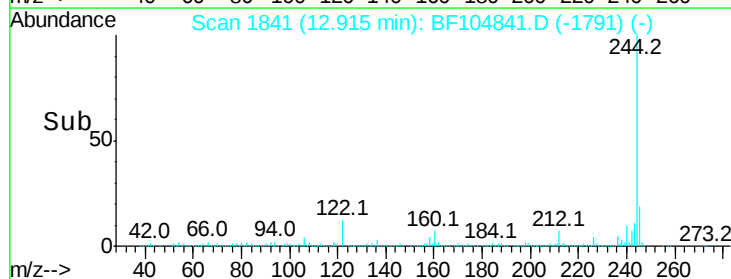
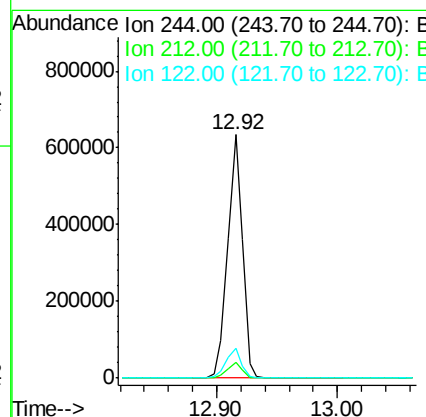
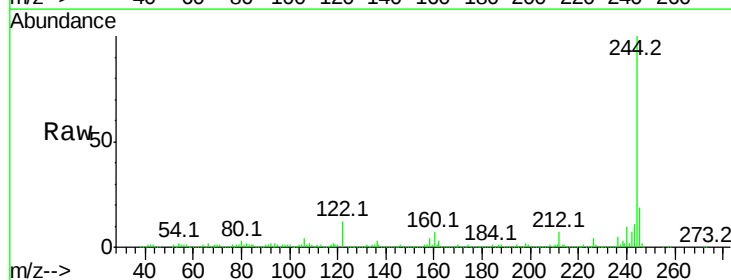
Instrument :
BNA_F
ClientSampleId :

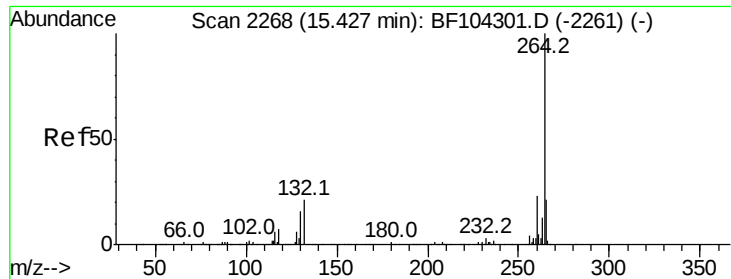
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.3	21.5



#78
Terphenyl-d14
Concen: 52.422 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.5	11.0	16.4

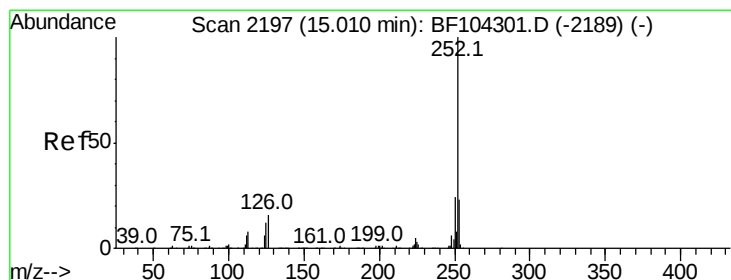
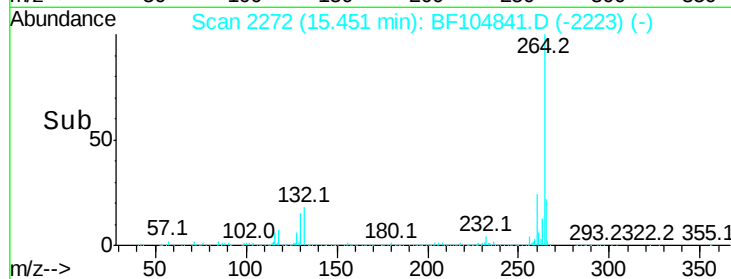
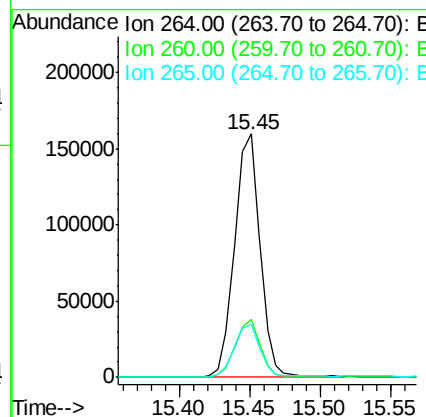
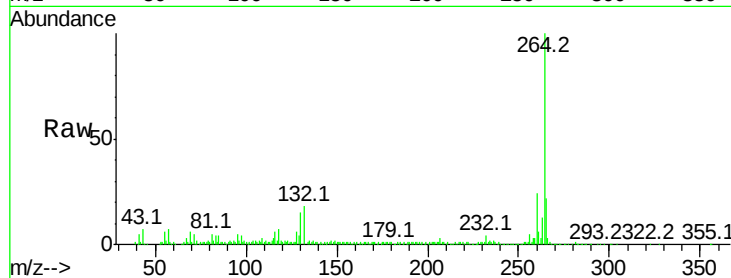




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

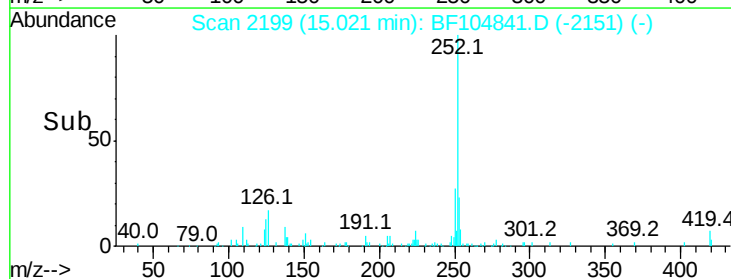
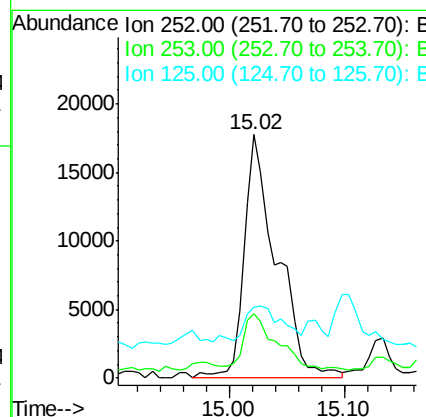
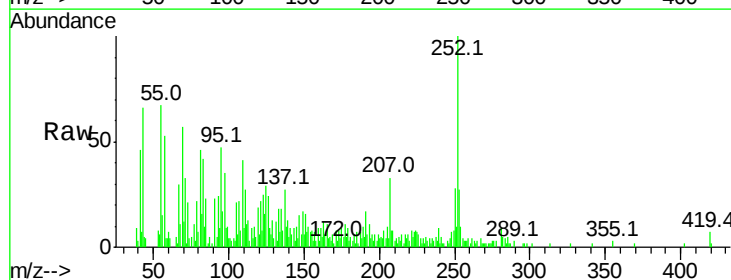
Instrument :
BNA_F
ClientSampleId :

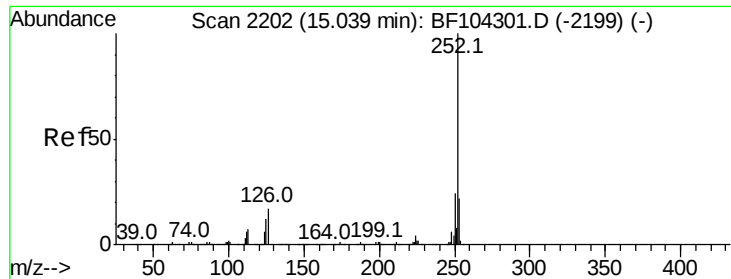
Tot Ion:264 Resp: 202542
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.718 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104841.D
Acq: 26 Apr 2018 17:08

Tgt Ion:252 Resp: 34771
Ion Ratio Lower Upper
252 100
253 26.6 17.0 25.6#
125 29.2 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.879 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104841.D

Acq: 26 Apr 2018 17:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 34771

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 29.2 10.2 15.2#

