

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104318.D
 Acq On : 6 Apr 2018 21:03
 Operator : JU/SJ
 Sample : J2228-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 23:11:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129665	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	530211	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	238195	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	375083	20.00	ng	0.00
75) Chrysene-d12	13.97	240	285578	20.00	ng	0.00
86) Perylene-d12	15.42	264	276929	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	765902	90.32	ng	0.00
7) Phenol-d6	6.43	99	943255	90.53	ng	0.00
23) Nitrobenzene-d5	7.36	82	555420	68.40	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	202539	81.97	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	931866	61.80	ng	0.00
78) Terphenyl-d14	12.92	244	682661	54.50	ng	0.00

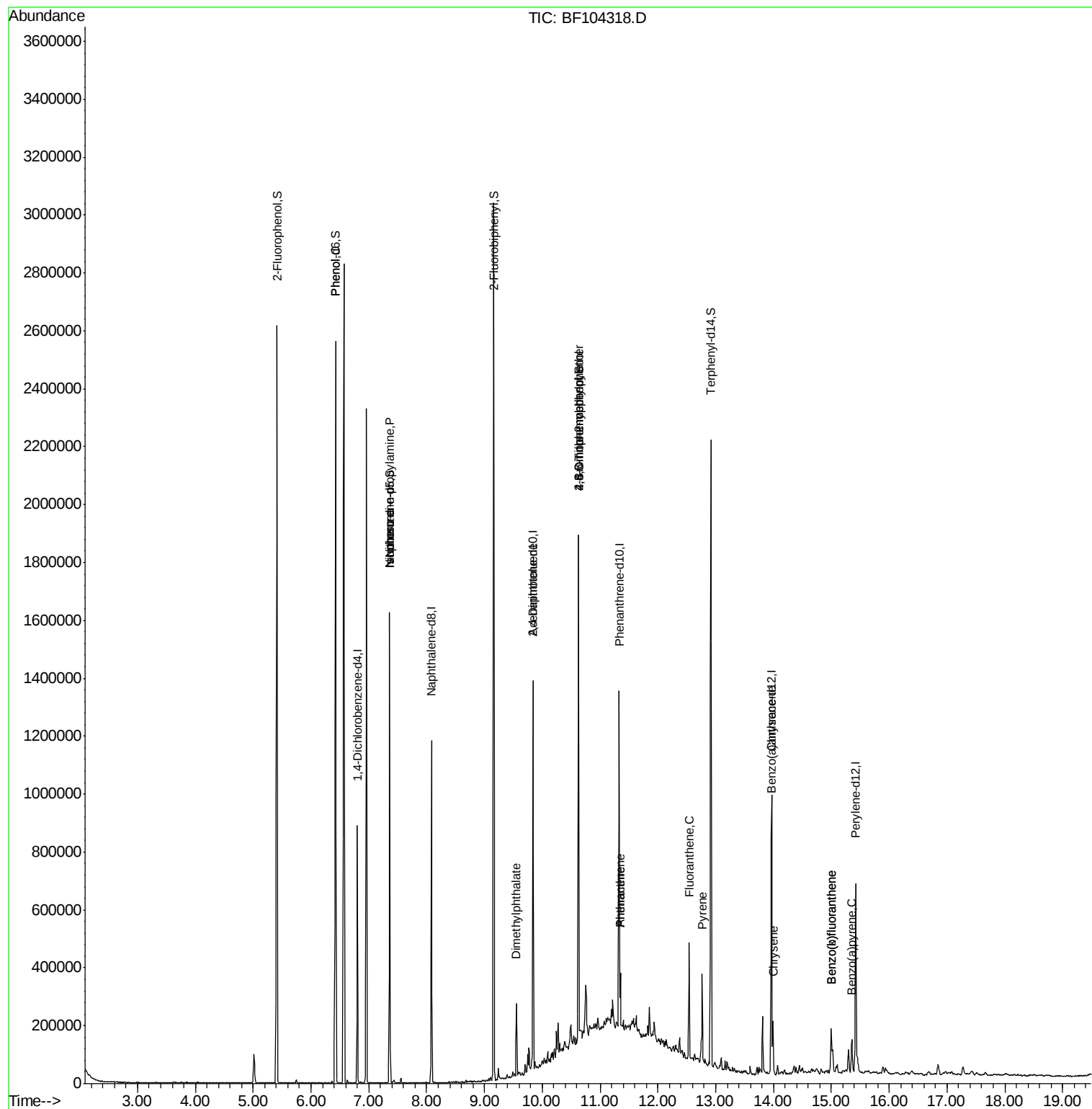
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1792	Below Cal		# 1
10) Phenol	6.43	94	40849	3.695	ng	# 72
19) n-Nitroso-di-n-propylamine	7.36	70	72976	10.718	ng	# 75
25) Isophorone	7.36	82	554829	32.313	ng	# 64
49) Dimethylphthalate	9.55	163	83204	4.430	ng	100
56) 2,4-Dinitrotoluene	9.84	165	31020	6.804	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	505	7.581	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11958	2.997	ng	# 1
70) Phenanthrene	11.35	178	61426	2.941	ng	100
71) Anthracene	11.35	178	61426	2.893	ng	99
74) Fluoranthene	12.54	202	139612	6.397	ng	97
76) Benzidine	12.92	184	9468	Below Cal		96
77) Pvrene	12.77	202	118062	5.577	ng	97
80) Benzo(a)anthracene	13.96	228	57401	3.365	ng	99
82) Chrysene	13.99	228	63310	3.613	ng	96
87) Benzo(b)fluoranthene	15.00	252	101043	5.777	ng	96
88) Benzo(k)fluoranthene	15.00	252	101043	6.119	ng	99
89) Benzo(a)pyrene	15.36	252	48211	3.081	ng	97

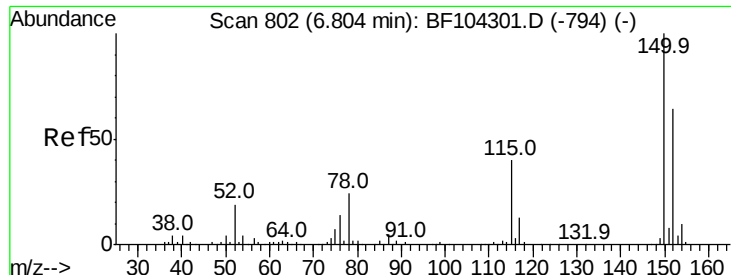
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
Data File : BF104318.D
Acq On : 6 Apr 2018 21:03
Operator : JU/SJ
Sample : J2228-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 06 23:11:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration



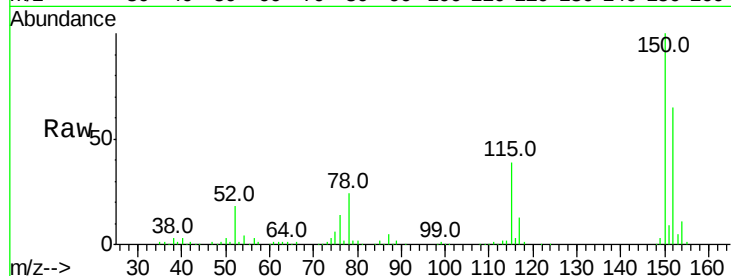


#1

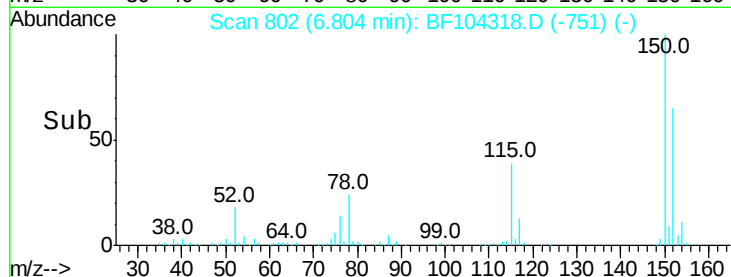
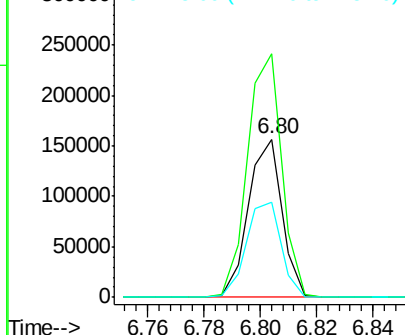
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129665
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 60.0 50.1 75.1



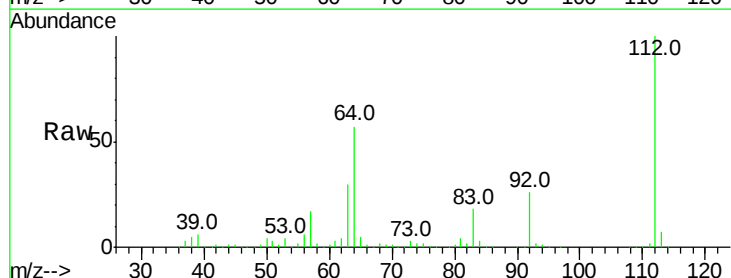
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



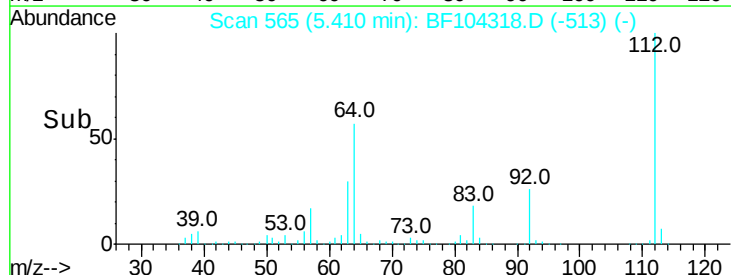
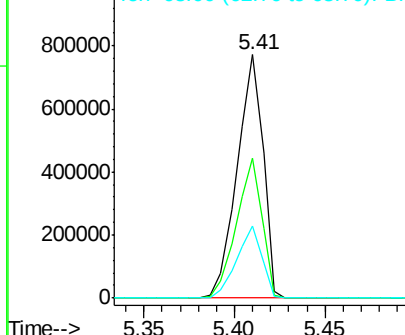
#5

2-Fluorophenol
Concen: 90.318 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Tgt Ion:112 Resp: 765902
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.8 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: 90.530 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

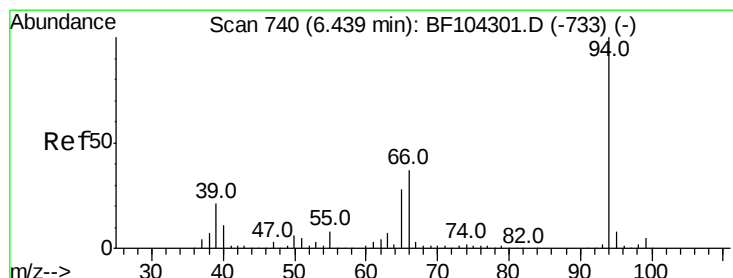
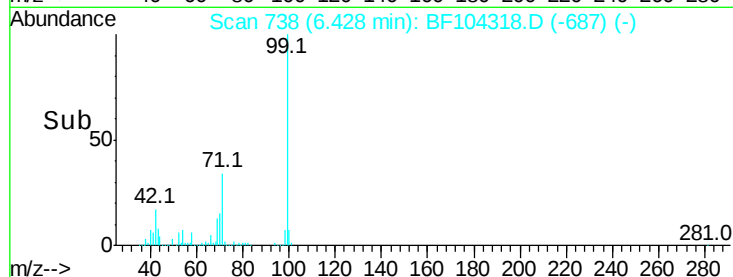
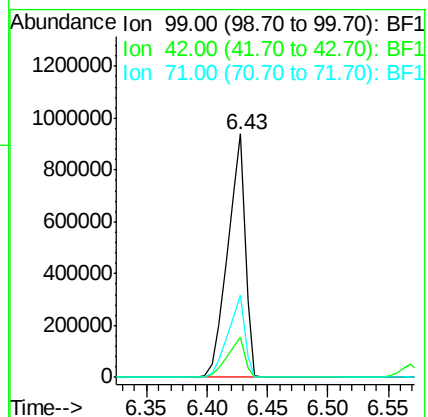
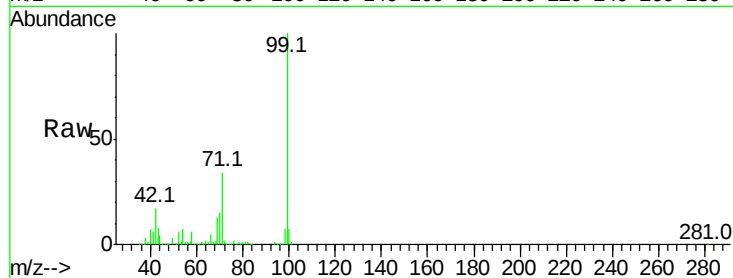
Tot Ion: 99 Resp: 943255

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 33.9 25.4 38.0



#10

Phenol

Concen: 3.695 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

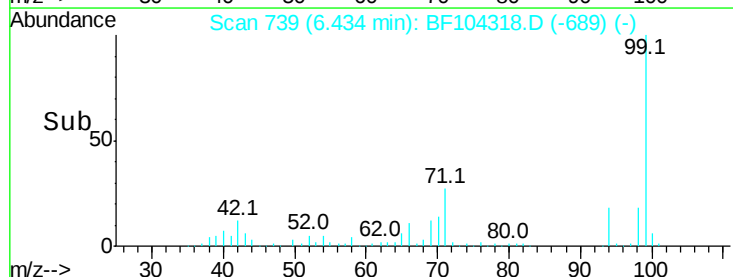
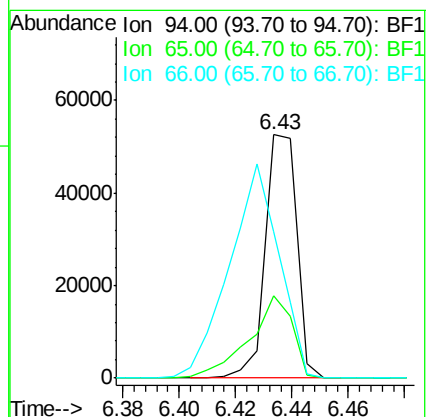
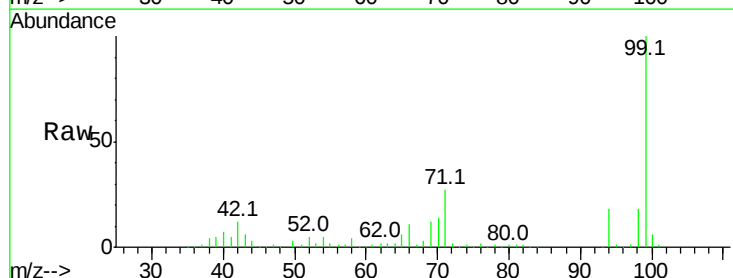
Tgt Ion: 94 Resp: 40849

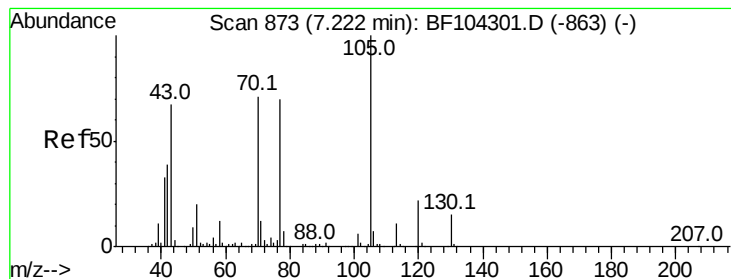
Ion Ratio Lower Upper

94 100

65 33.6 7.9 47.9

66 60.4 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 10.718 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 72976

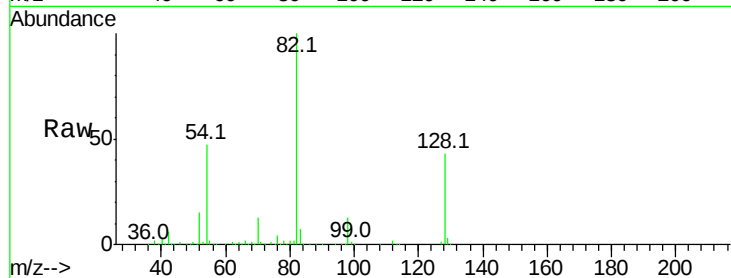
Ion Ratio Lower Upper

70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



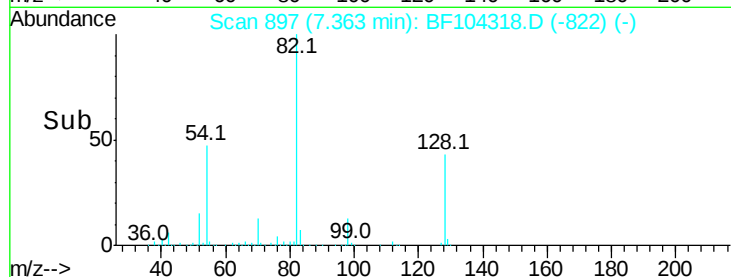
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->



Abundance

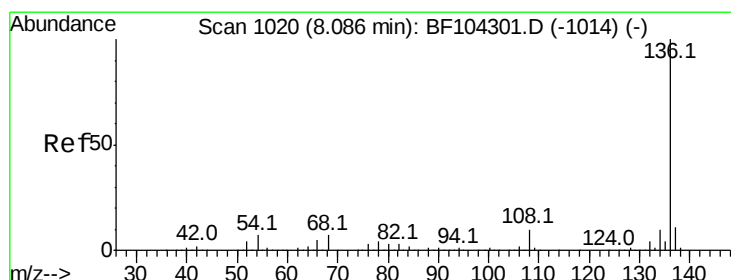
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Tgt Ion:136 Resp: 530211

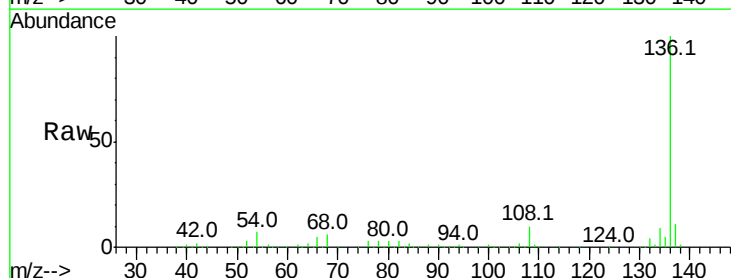
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.7 6.6 9.8

68 6.1 5.0 7.4



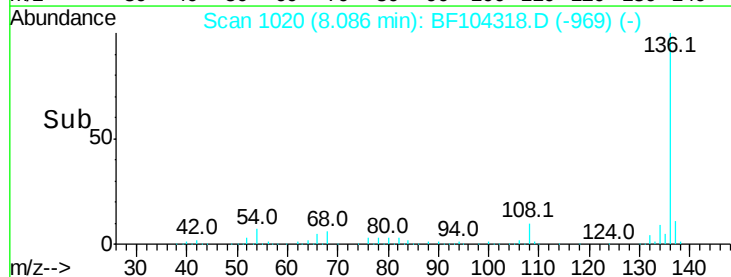
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



Abundance

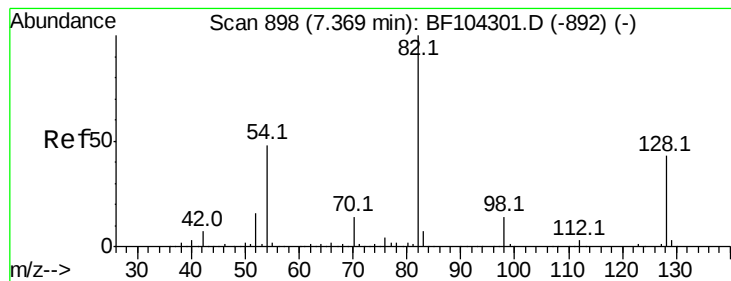
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



#23

Nitrobenzene-d5

Concen: 68.403 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

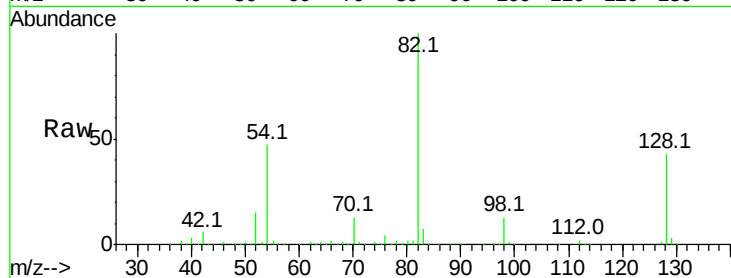
Tot Ion: 82 Resp: 555420

Ion Ratio Lower Upper

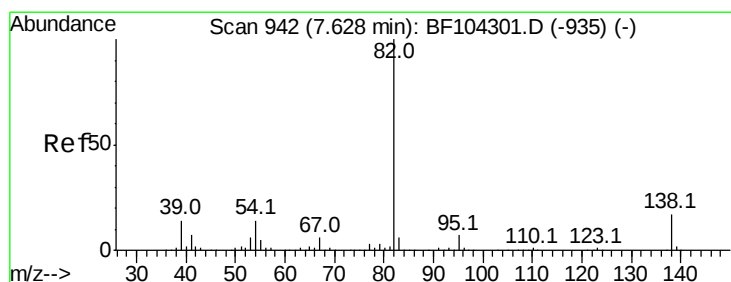
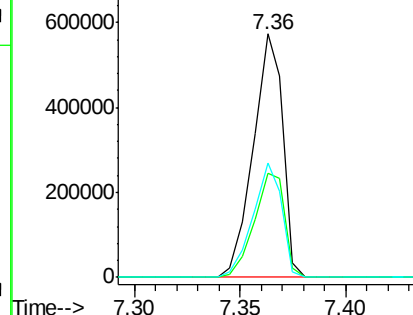
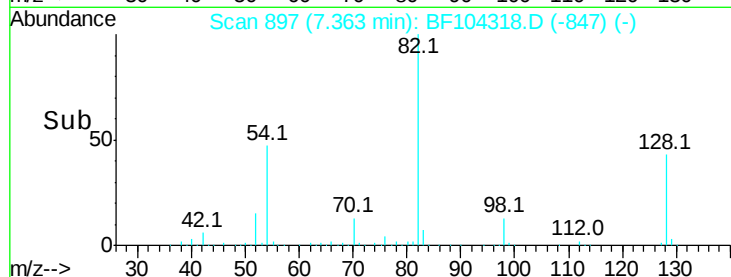
82 100

128 42.9 36.1 54.1

54 46.8 41.4 62.2



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



#25

Isophorone

Concen: 32.313 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

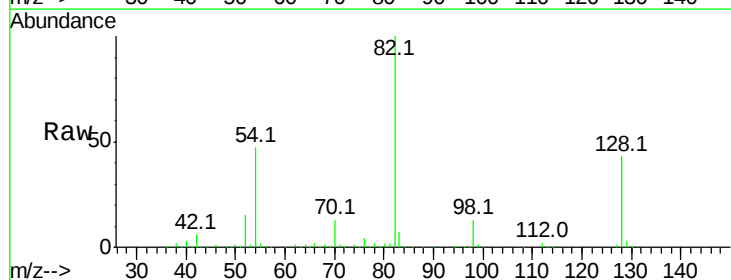
Tgt Ion: 82 Resp: 554829

Ion Ratio Lower Upper

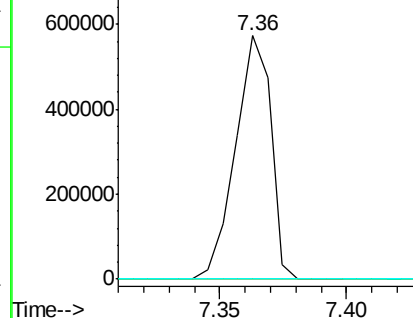
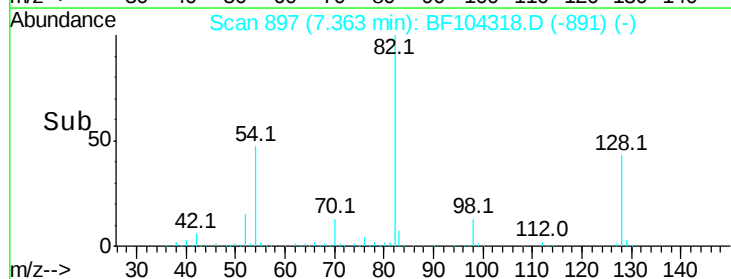
82 100

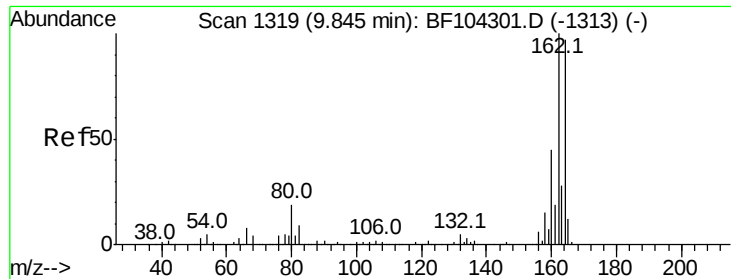
95 0.0 5.2 7.8#

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: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

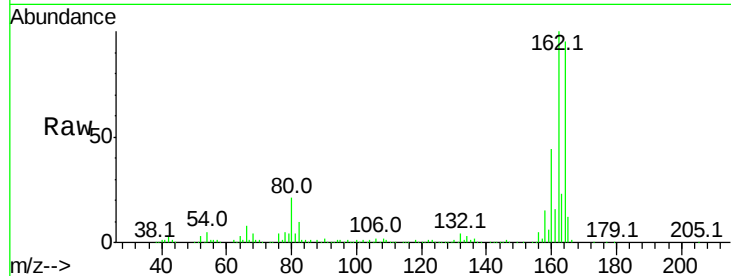
Tot Ion:164 Resp: 238195

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

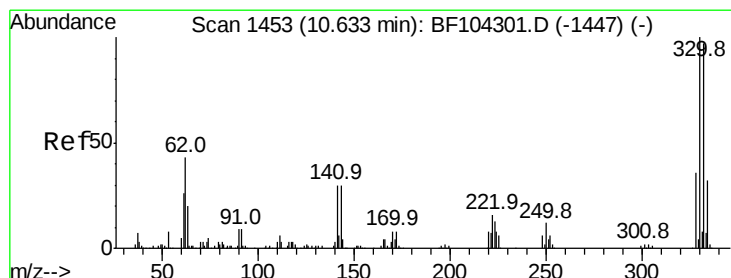
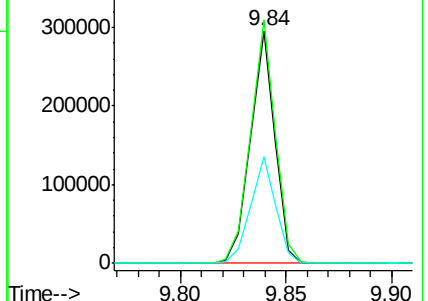
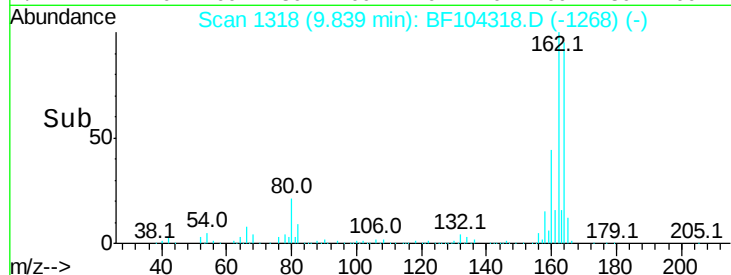
160 46.0 38.3 57.5



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: 81.971 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

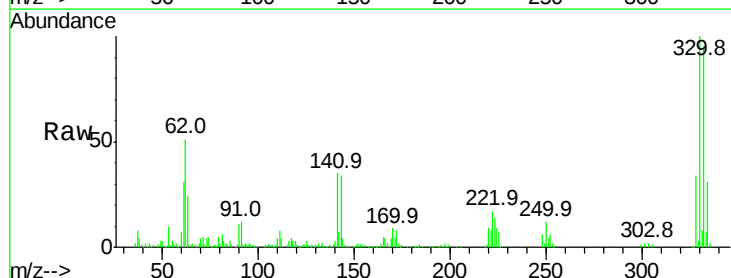
Tgt Ion:330 Resp: 202539

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

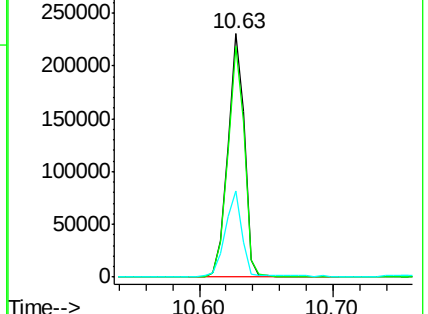
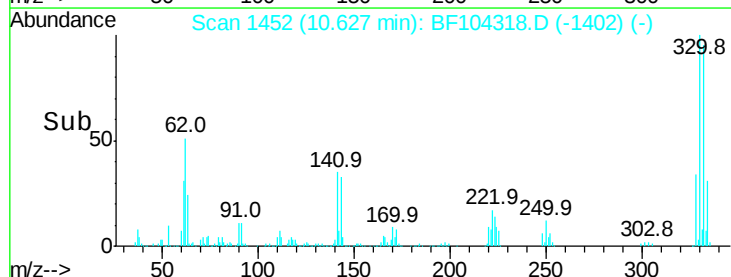
141 35.4 29.9 44.9



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

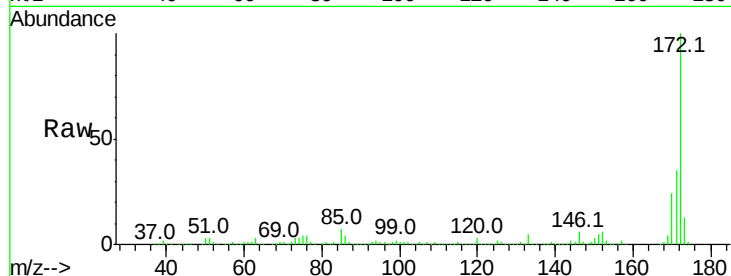




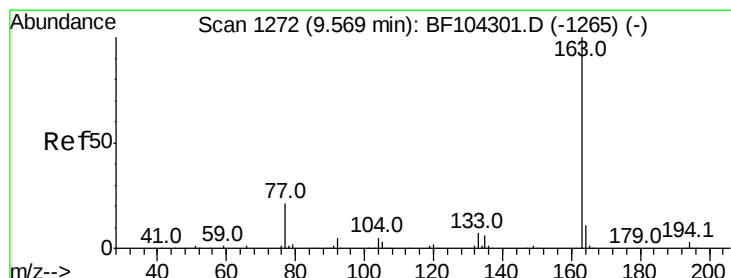
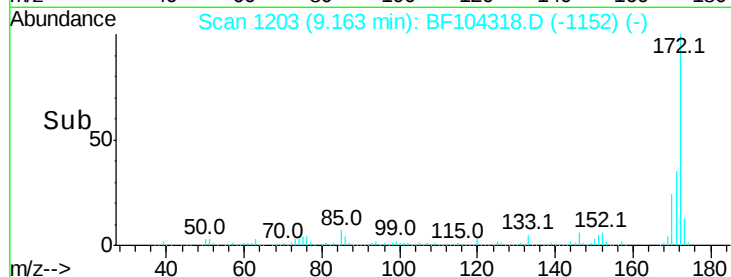
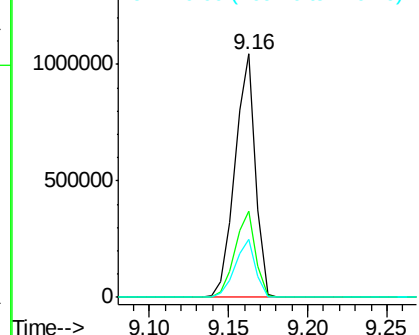
#44
2-Fluorobiphenyl
Concen: 61.803 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.0	19.6	29.4

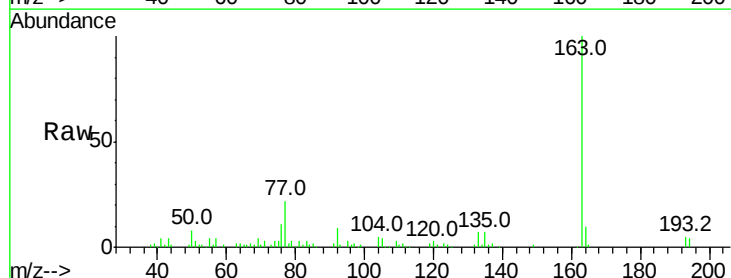


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

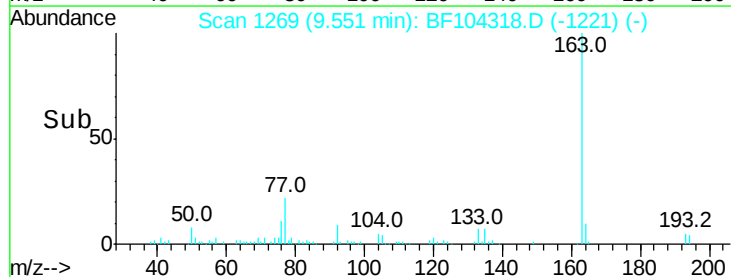
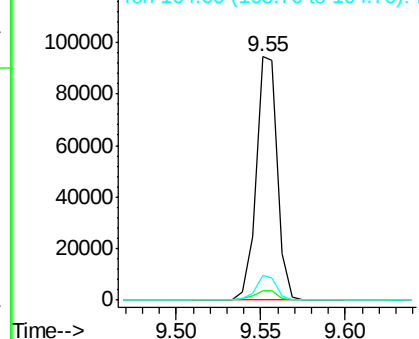


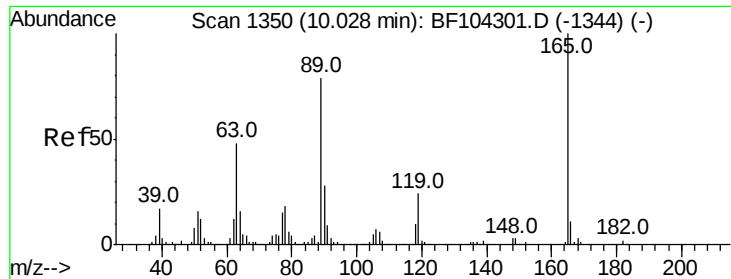
#49
Dimethylphthalate
Concen: 4.430 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.1	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

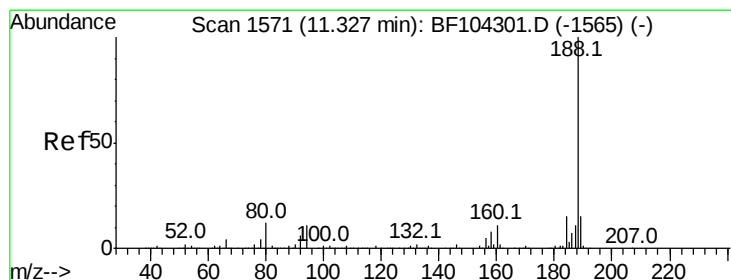
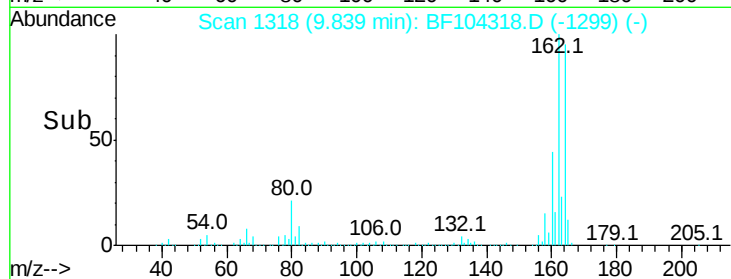
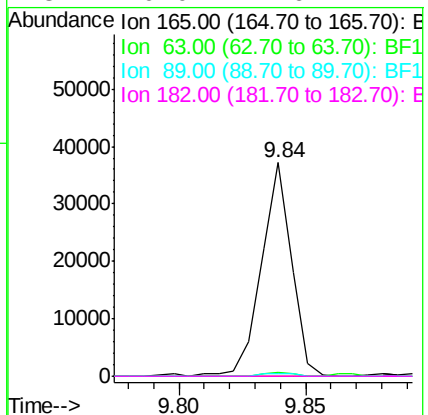
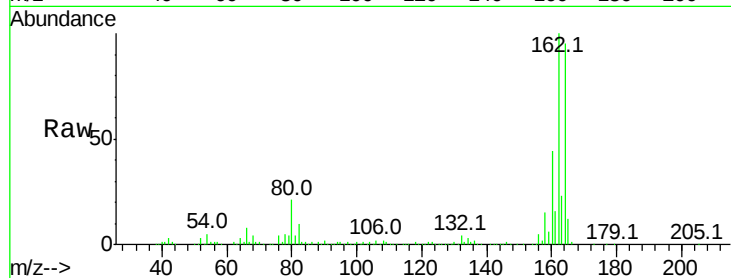




#56
 2,4-Dinitrotoluene
 Concen: 6.804 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104318.D
 Acq: 6 Apr 2018 21:03

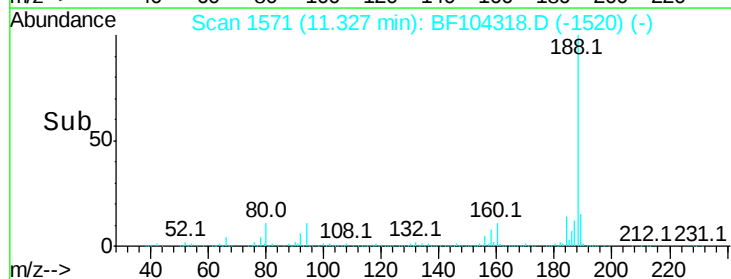
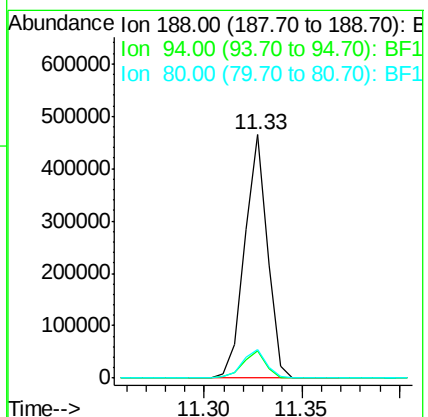
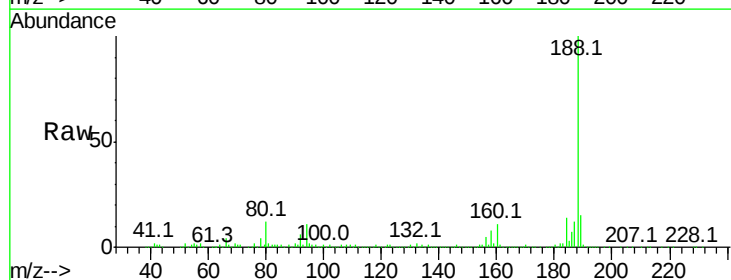
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 31020
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF104318.D
 Acq: 6 Apr 2018 21:03

Tgt Ion:188 Resp: 375083
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 11.5 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.581 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

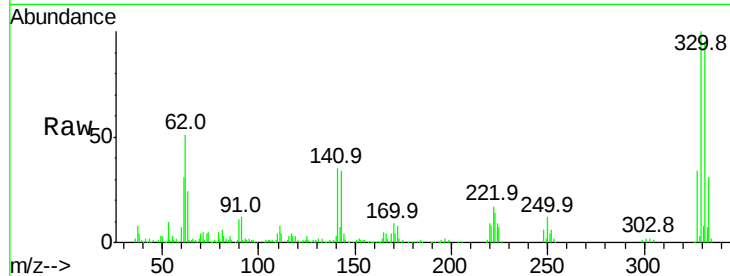
Tot Ion:198 Resp: 505

Ion Ratio Lower Upper

198 100

51 158.3 37.7 77.7#

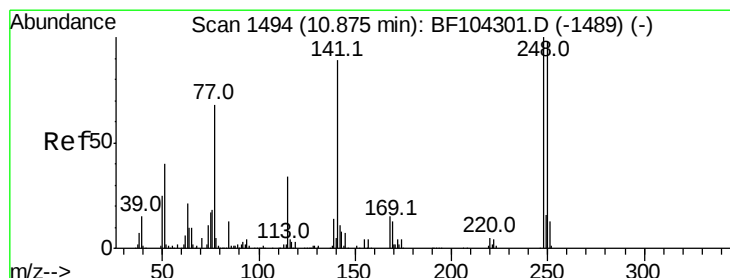
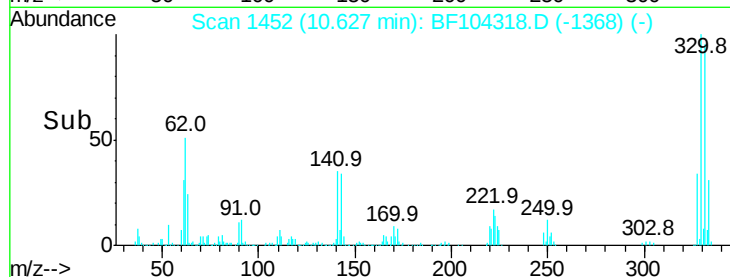
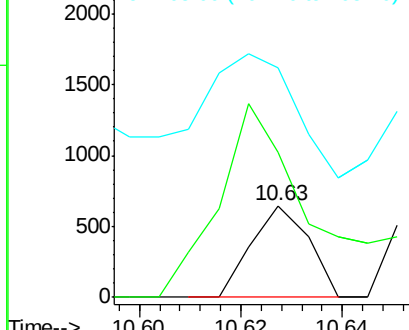
105 250.2 36.3 76.3#



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: 2.997 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

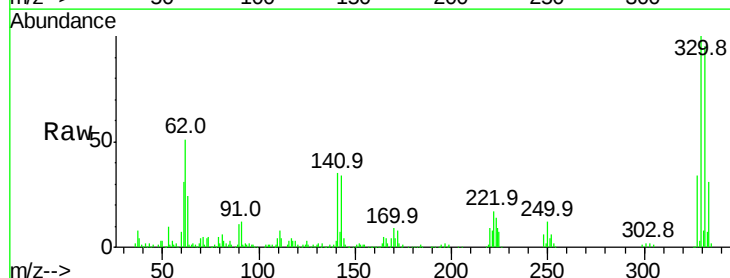
Tgt Ion:248 Resp: 11958

Ion Ratio Lower Upper

248 100

250 208.3 76.9 115.3#

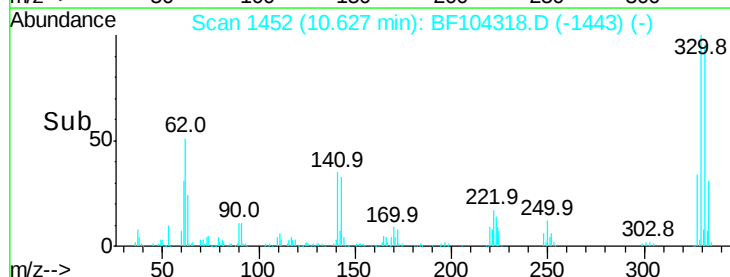
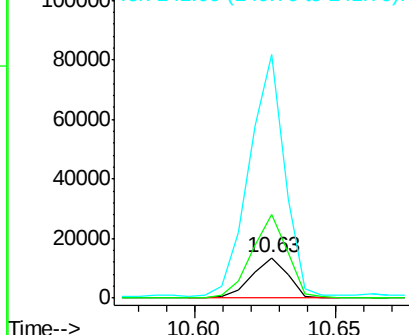
141 602.8 74.4 111.6#

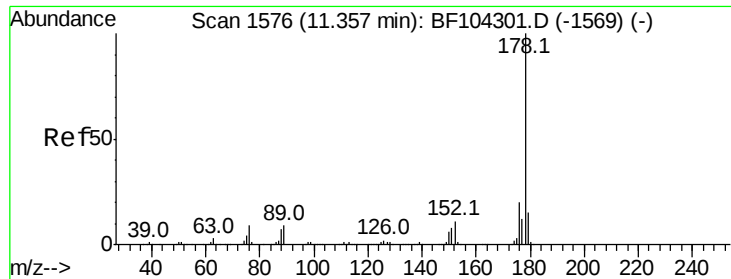


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.941 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

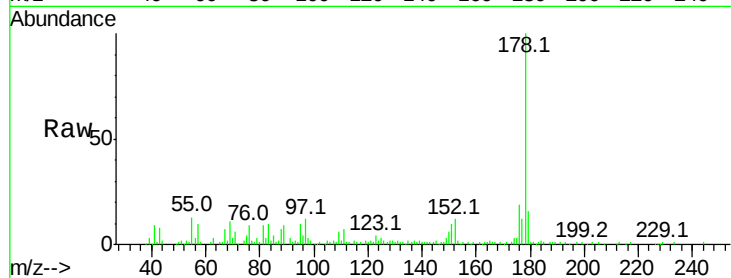
Tot Ion:178 Resp: 61426

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

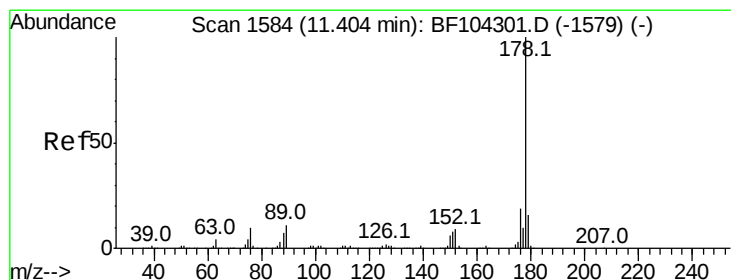
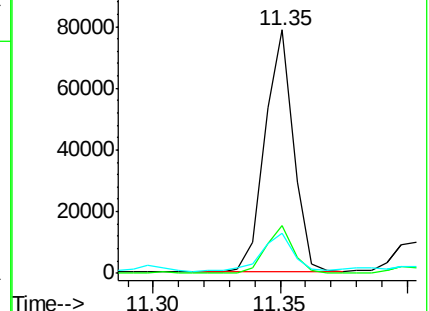
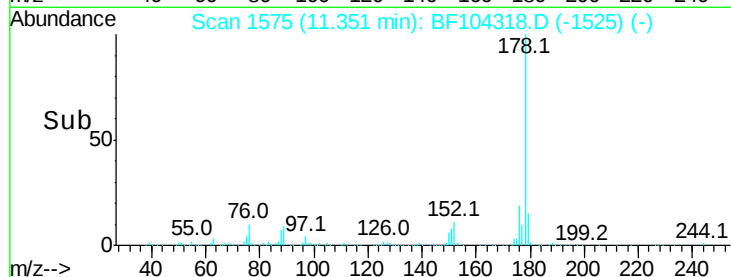
179 16.4 13.0 19.6



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: 2.893 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.05 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

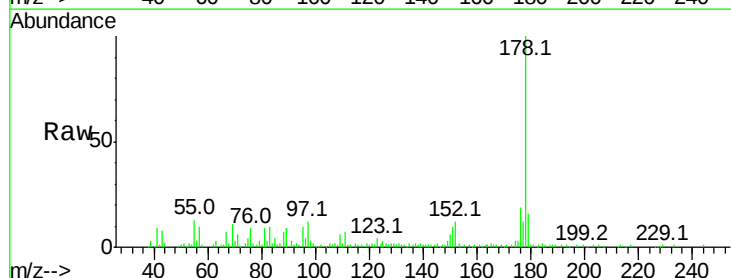
Tgt Ion:178 Resp: 61426

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

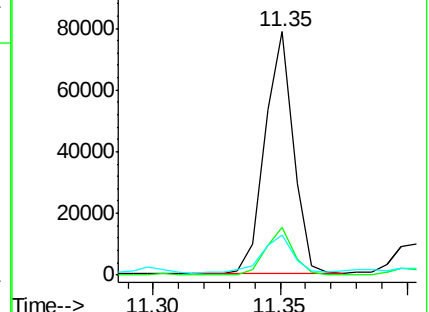
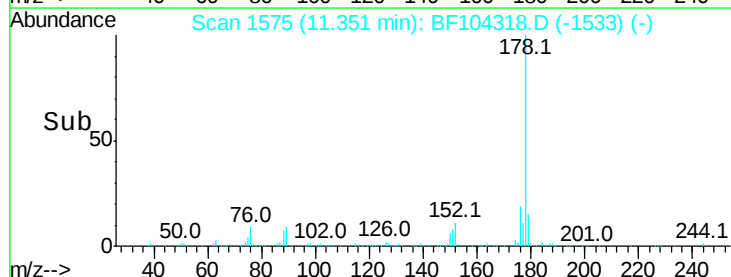
179 16.4 12.6 19.0

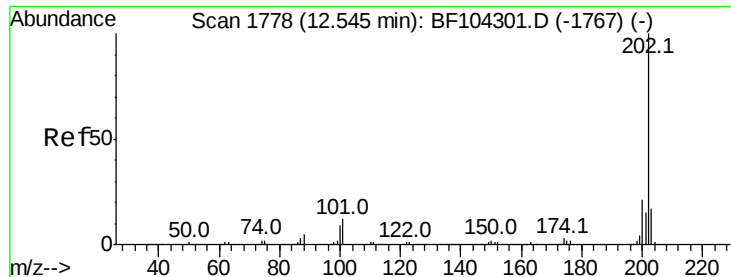


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.397 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

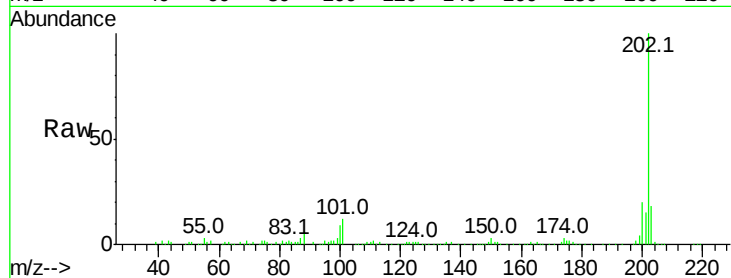
Tot Ion:202 Resp: 139612

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

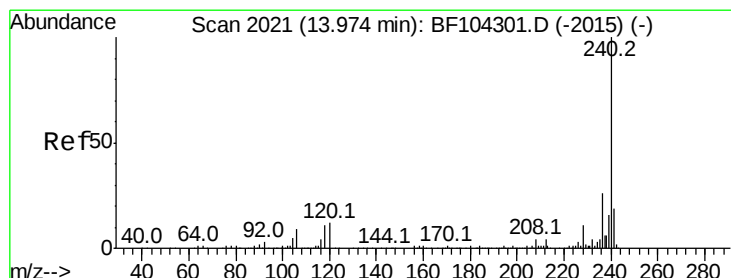
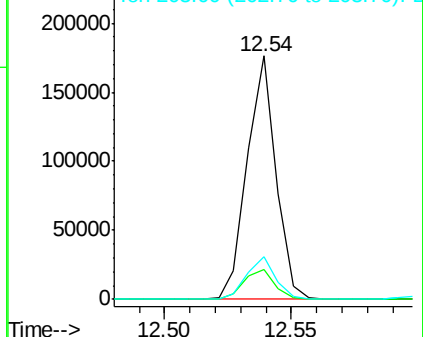
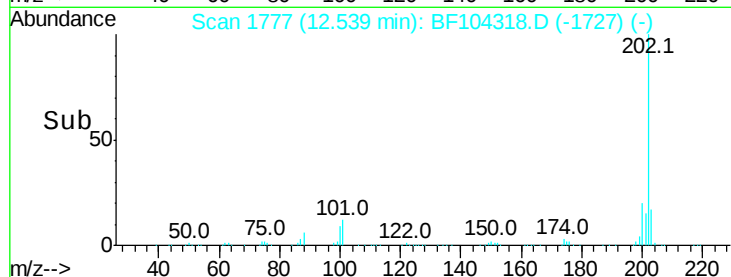
203 17.5 0.0 38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

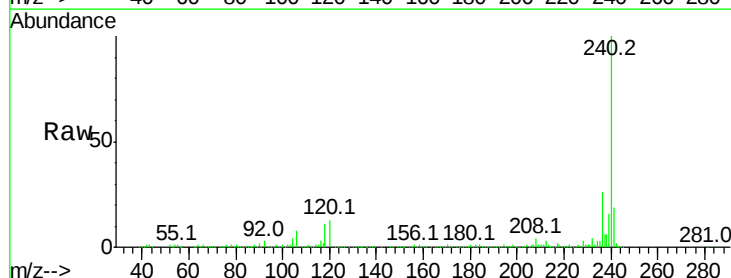
Tgt Ion:240 Resp: 285578

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

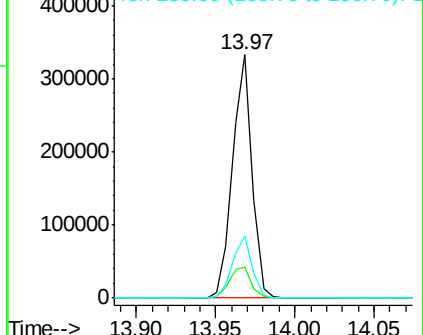
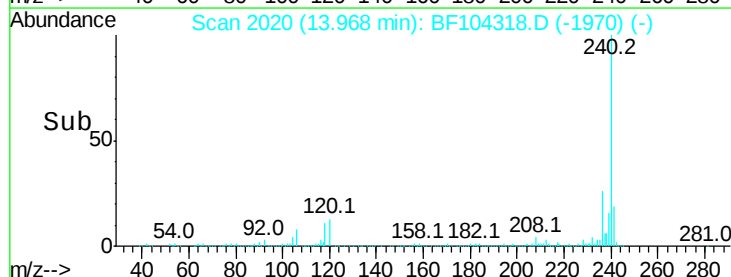
236 25.6 20.7 31.1

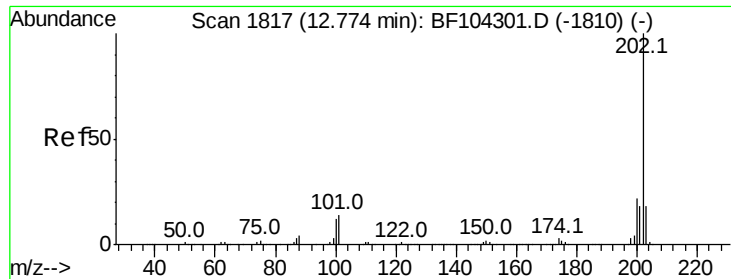


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

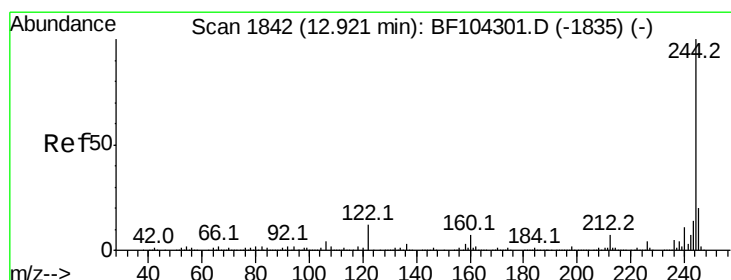
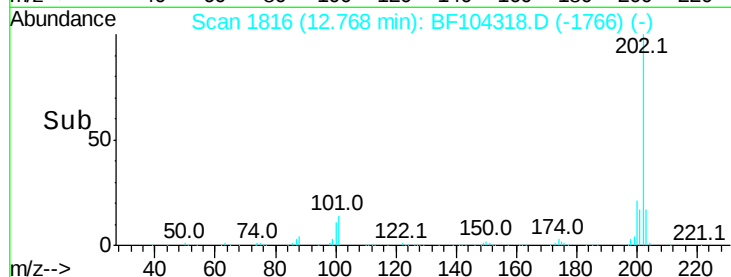
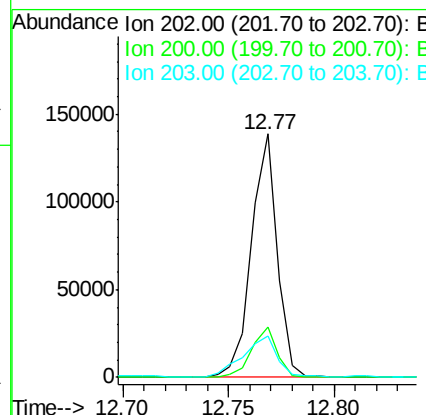
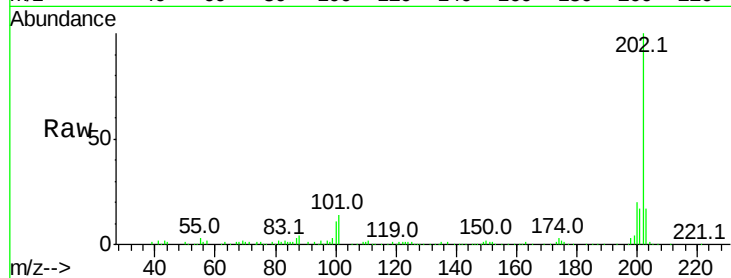




#77
Pvrene
Concen: 5.577 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

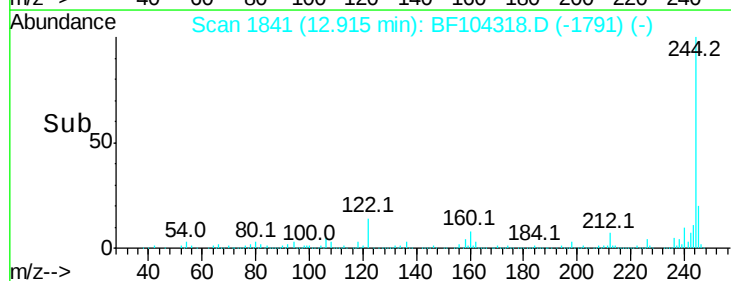
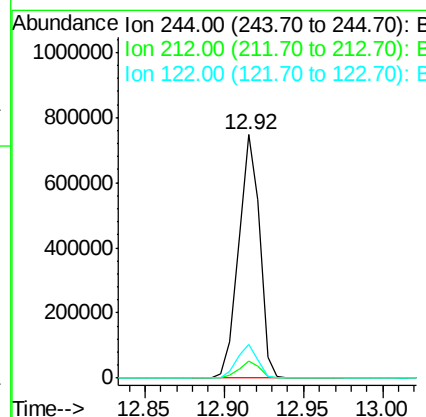
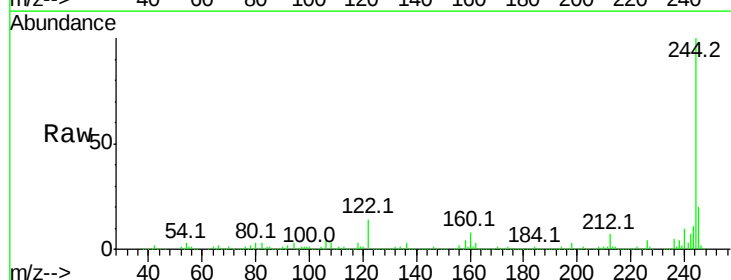
Instrument :
BNA_F
ClientSampleId :

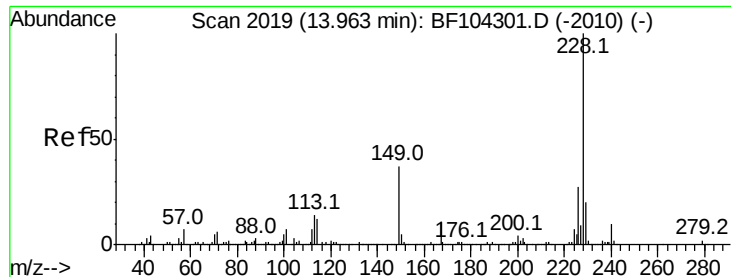
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	16.9	14.3	21.5



#78
Terphenyl-d14
Concen: 54.498 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.1	11.0	16.4

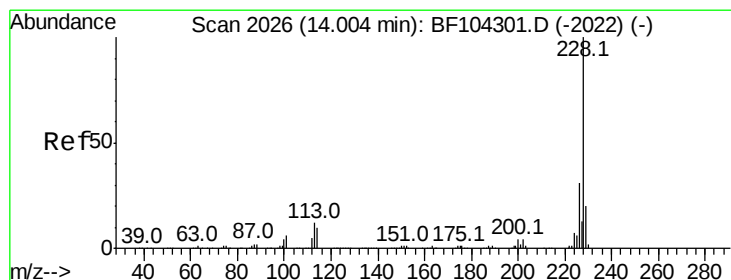
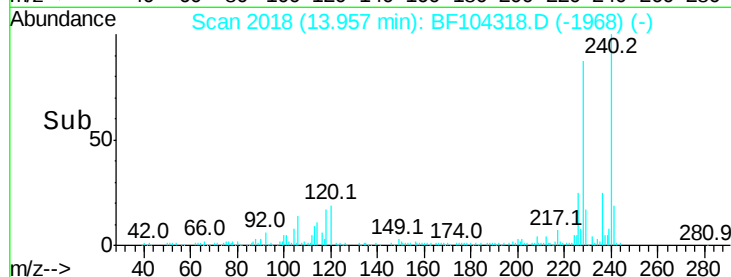
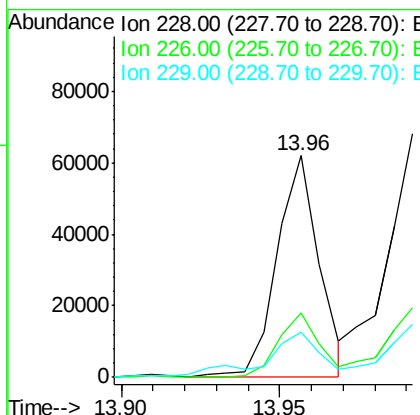
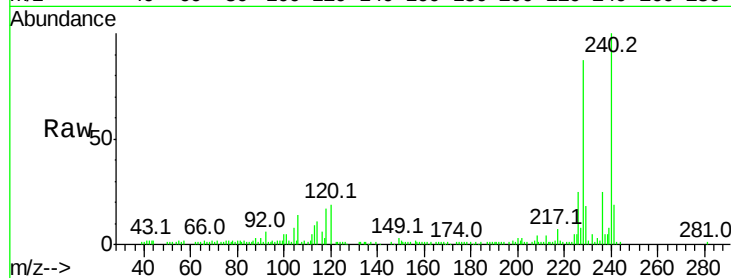




#80
Benzo(a)anthracene
Concen: 3.365 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

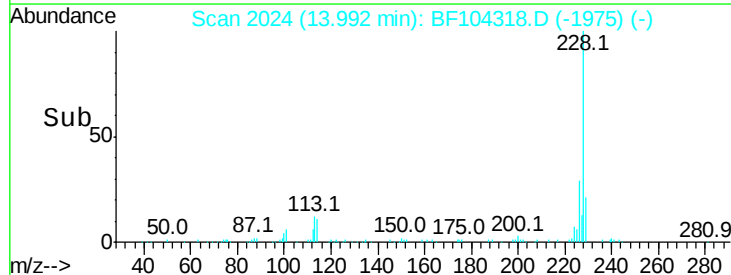
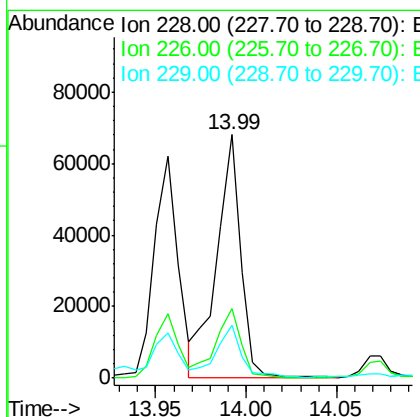
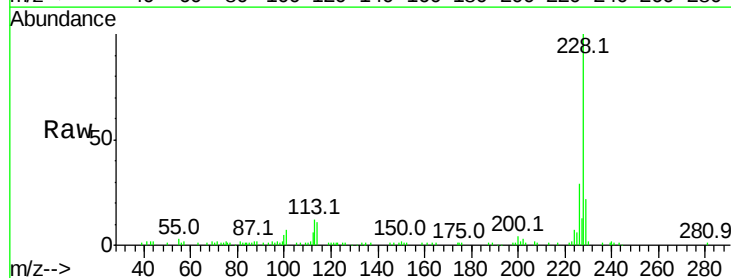
Instrument :
BNA_F
ClientSampleId :

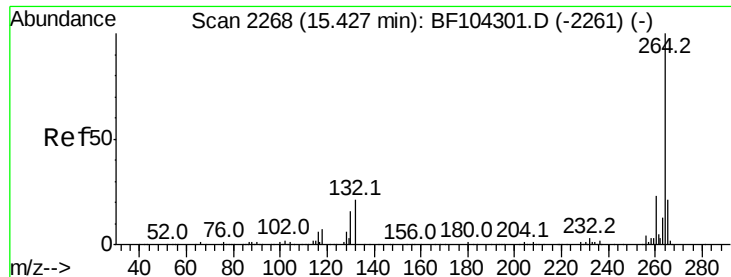
Tot Ion:228 Resp: 57401
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 20.2 15.8 23.6



#82
Chrysene
Concen: 3.613 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Tgt Ion:228 Resp: 63310
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 21.6 16.2 24.4

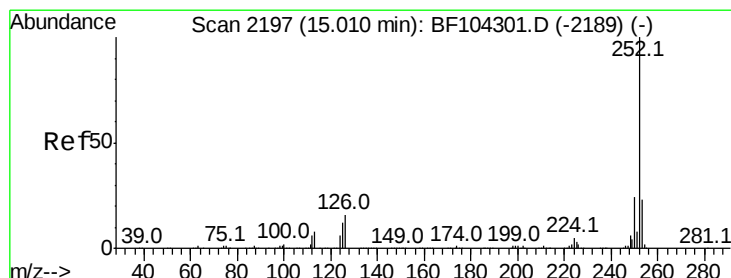
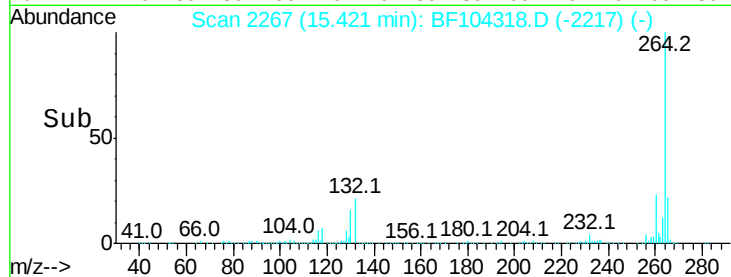
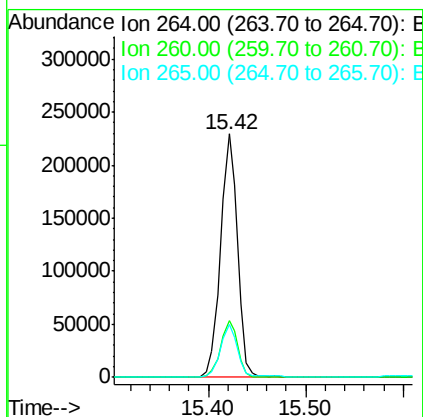
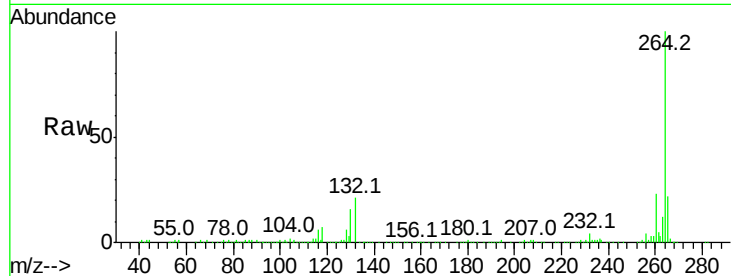




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

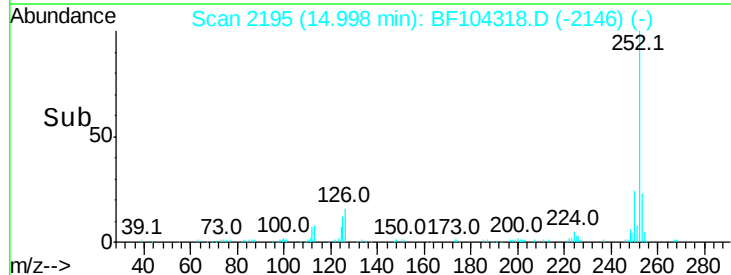
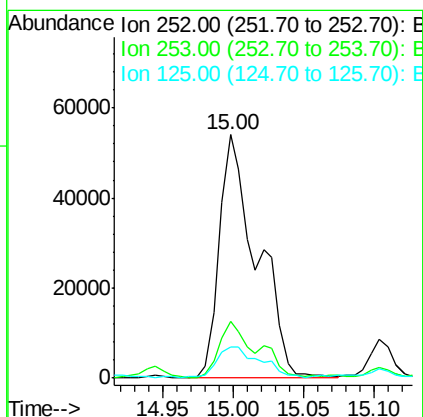
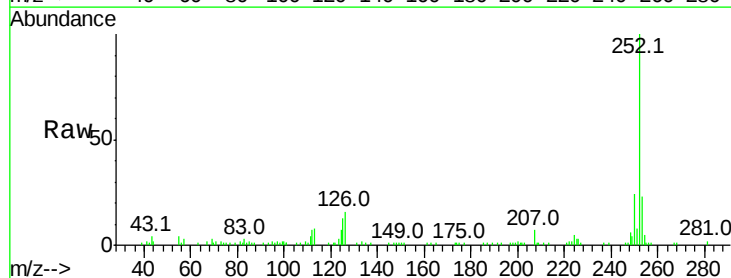
Instrument :
BNA_F
ClientSampleId :

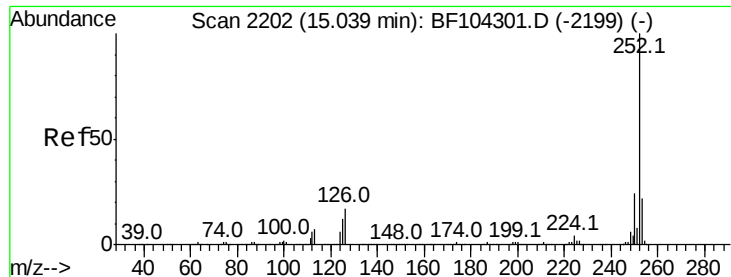
Tot Ion:264 Resp: 276929
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.777 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF104318.D
Acq: 6 Apr 2018 21:03

Tgt Ion:252 Resp: 101043
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 13.0 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 6.119 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.04 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

Instrument :

BNA_F

ClientSampleId :

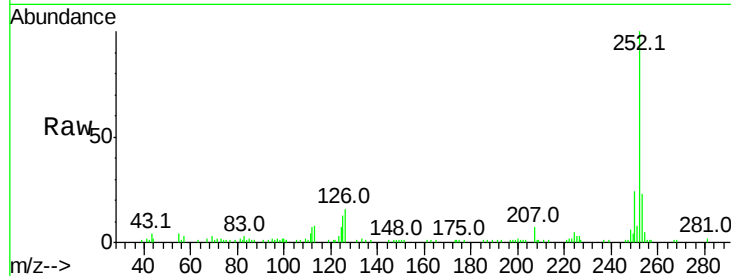
Tot Ion:252 Resp: 101043

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

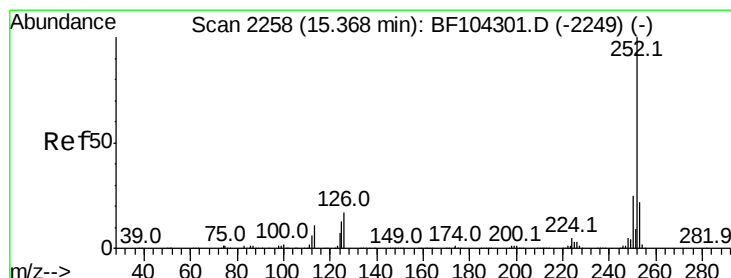
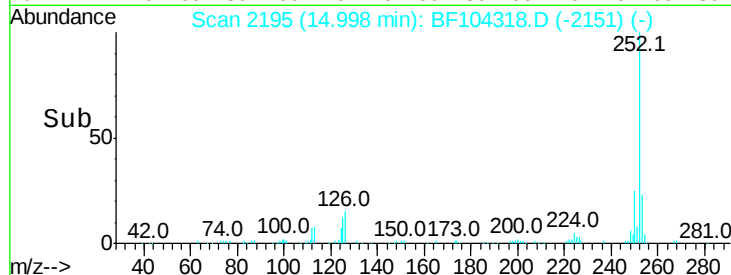
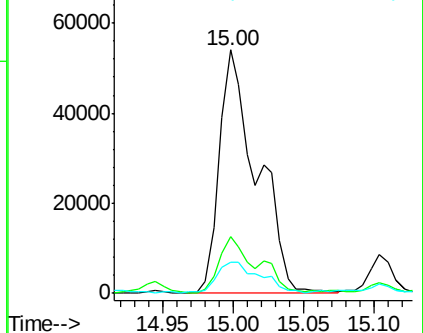
125 13.0 10.2 15.2



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: 3.081 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF104318.D

Acq: 6 Apr 2018 21:03

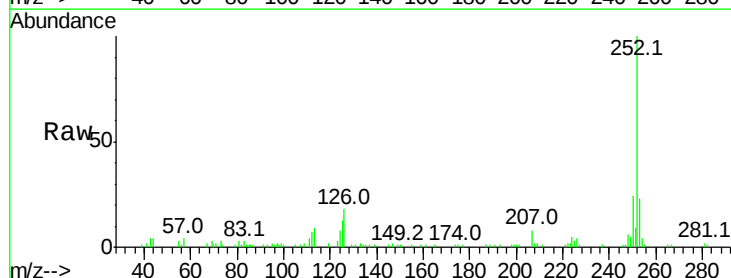
Tgt Ion:252 Resp: 48211

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 12.9 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

