

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104758.D
 Acq On : 24 Apr 2018 16:07
 Operator : JU/SJ
 Sample : J2503-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:56:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118946	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	496905	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	217421	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	347564	20.00	ng	0.00
75) Chrysene-d12	13.99	240	269604	20.00	ng	0.00
86) Perylene-d12	15.46	264	209924	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	285726	36.73	ng	0.01
7) Phenol-d6	6.45	99	368947	38.60	ng	0.00
23) Nitrobenzene-d5	7.37	82	225419	29.62	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	94159	41.75	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	492239	35.77	ng	0.00
78) Terphenyl-d14	12.93	244	470551	39.79	ng	0.00

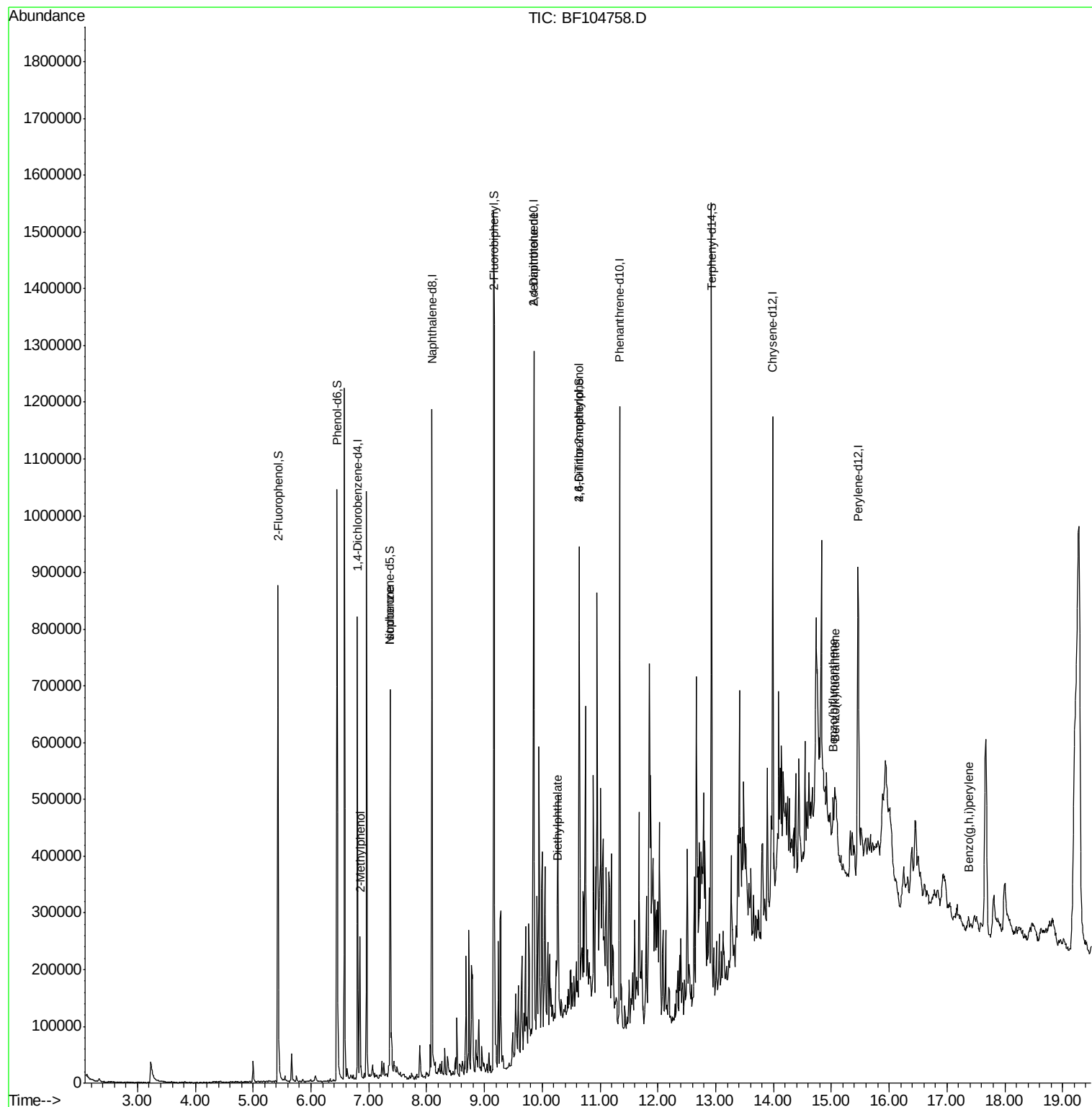
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	782	Below Cal		# 1
17) 2-Methylphenol	6.85	107	17820	2.497	ng	# 16
25) Isophorone	7.37	82	225416	14.008	ng	# 64
56) 2,4-Dinitrotoluene	9.85	165	28477	6.843	ng	# 24
59) Diethylphthalate	10.26	149	37961	2.223	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.64	198	110	7.402	ng	# 1
76) Benzidine	12.66	184	814	Below Cal		# 1
87) Benzo(b)fluoranthene	15.03	252	33540	2.530	ng	# 83
88) Benzo(k)fluoranthene	15.06	252	33607	2.685	ng	# 82
91) Benzo(a,h,i)perylene	17.37	276	21005	2.225	ng	# 95

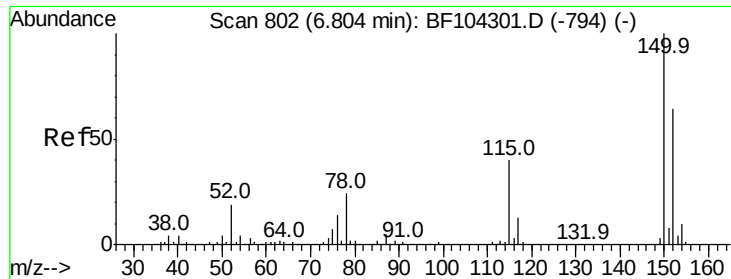
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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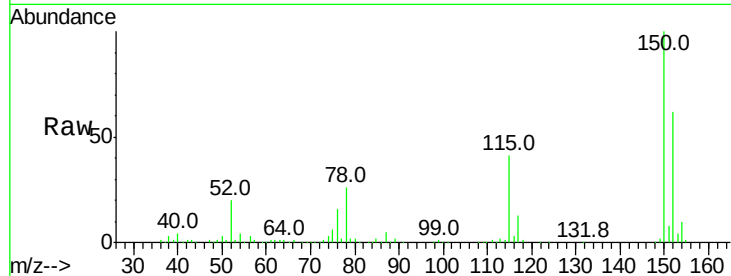


#1

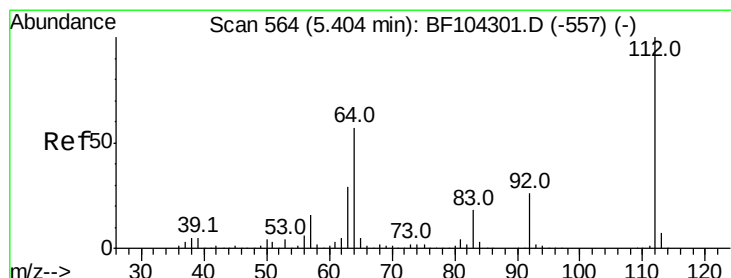
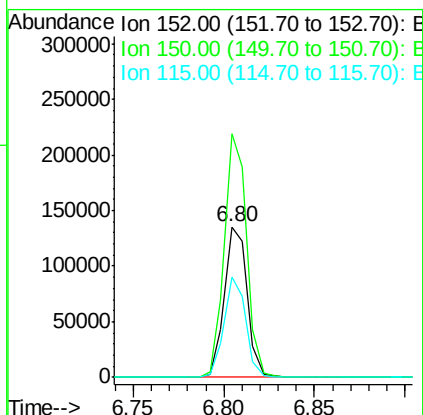
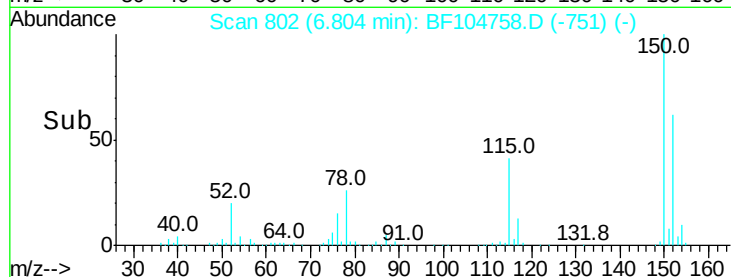
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 118946
Ion Ratio Lower Upper
152 100
150 161.9 124.6 186.8
115 67.0 50.1 75.1



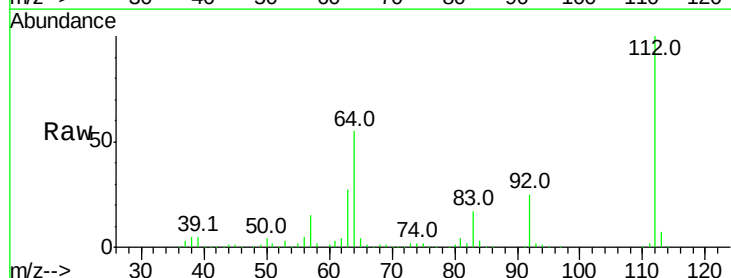
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



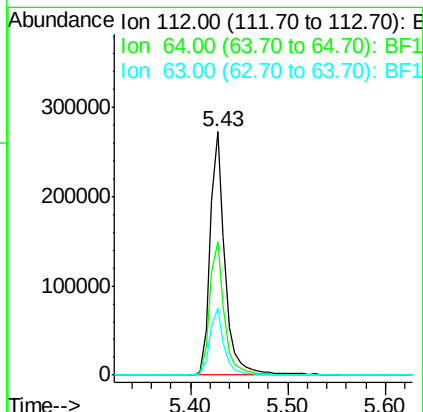
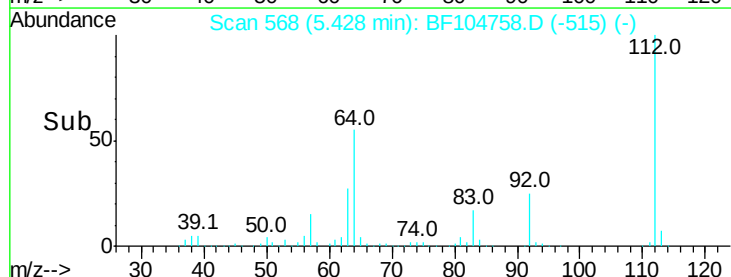
#5

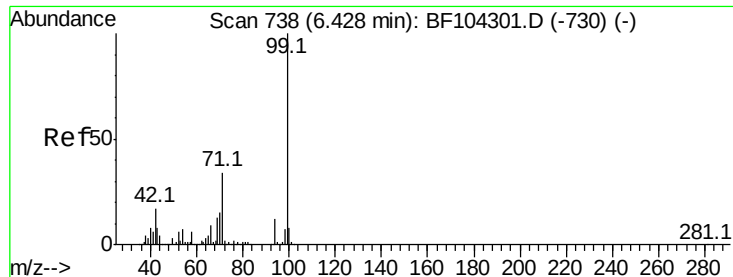
2-Fluorophenol
Concen: 36.730 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Tgt Ion:112 Resp: 285726
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.3 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: 38.601 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

Instrument :

BNA_F

ClientSampleId :

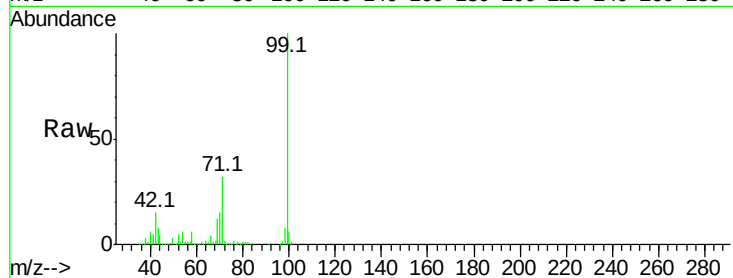
Tot Ion: 99 Resp: 368947

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

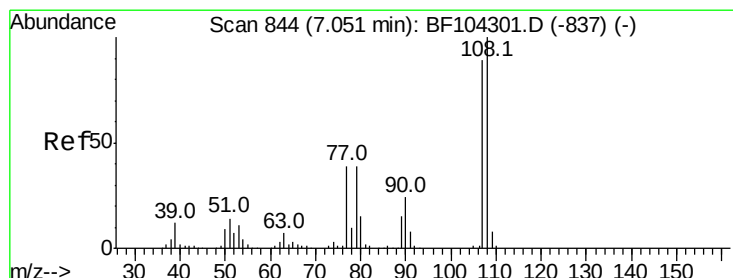
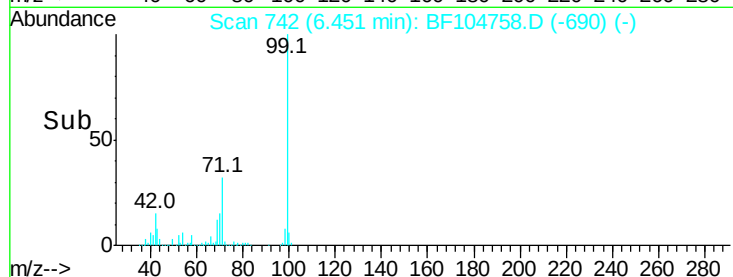
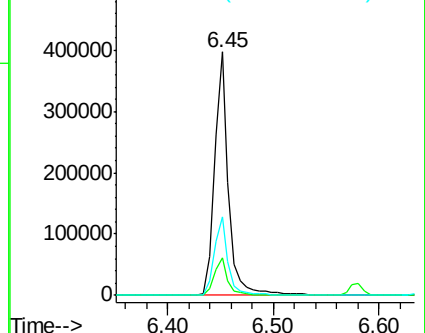
71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#17

2-Methylphenol

Concen: 2.497 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.22 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

Tgt Ion:107 Resp: 17820

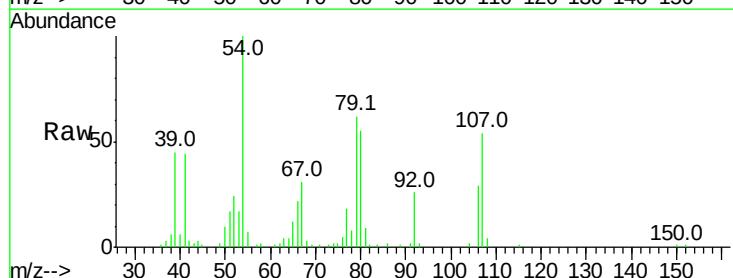
Ion Ratio Lower Upper

107 100

108 7.6 91.7 137.5#

77 33.5 33.8 50.8#

79 113.9 33.8 50.8#

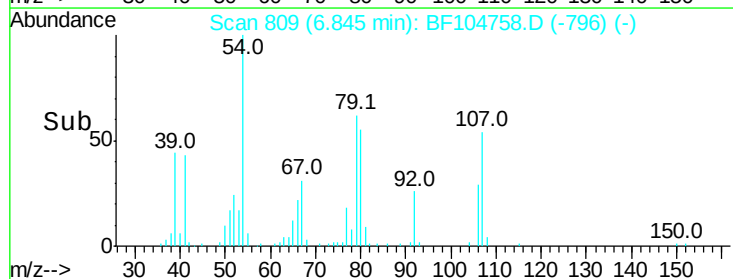
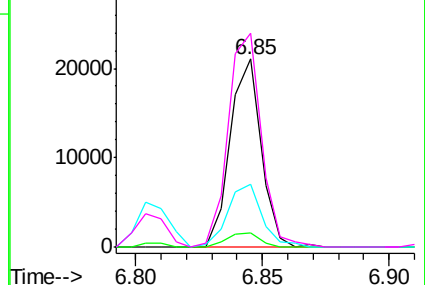


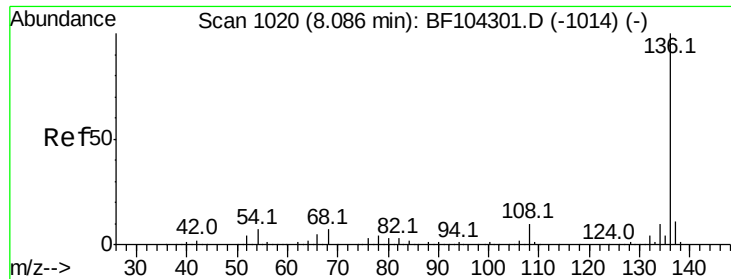
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

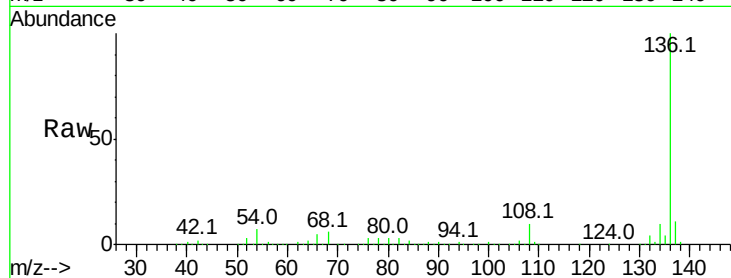




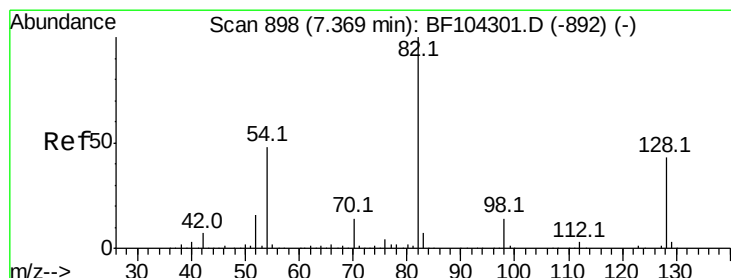
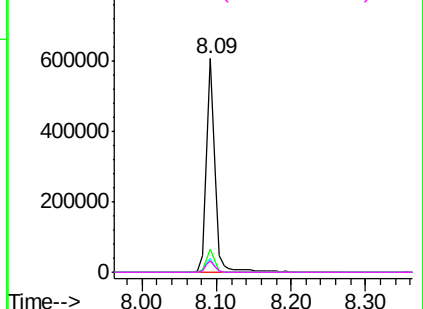
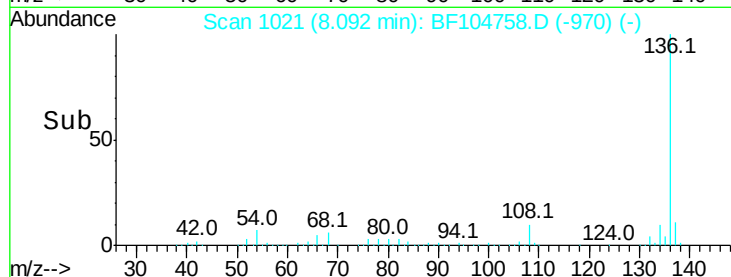
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	496905
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.6	5.0	7.4

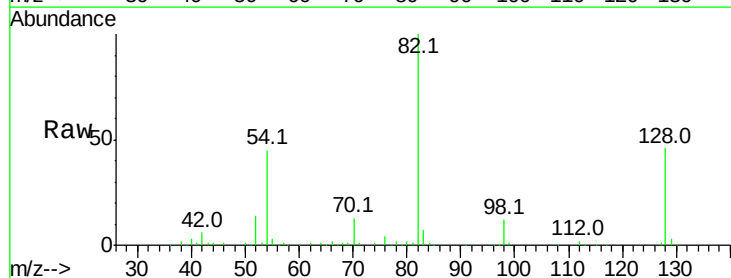


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

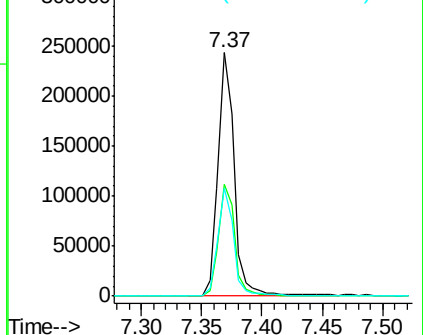
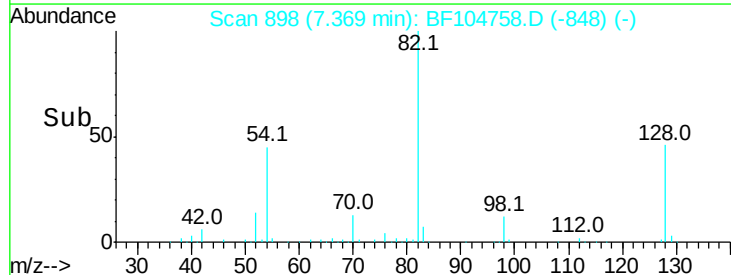


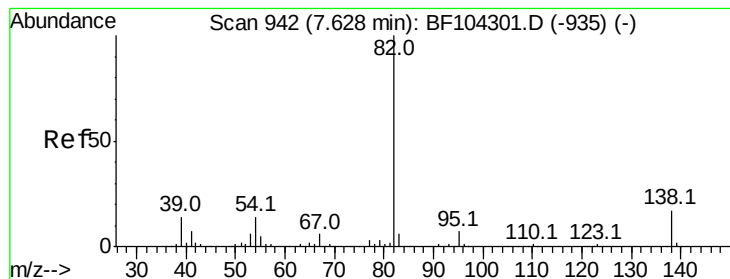
#23
Nitrobenzene-d5
Concen: 29.622 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Tgt Ion:	82	Resp:	225419
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	44.5	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: 14.008 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

Instrument :

BNA_F

ClientSampleId :

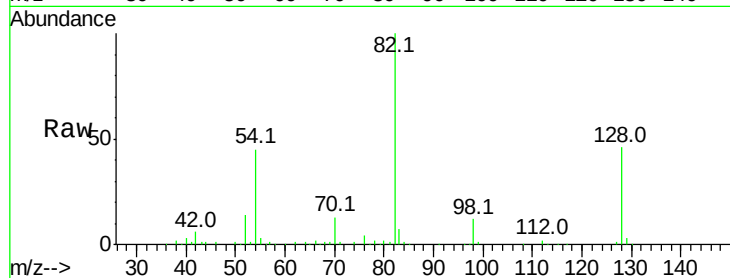
Tot Ion: 82 Resp: 225416

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

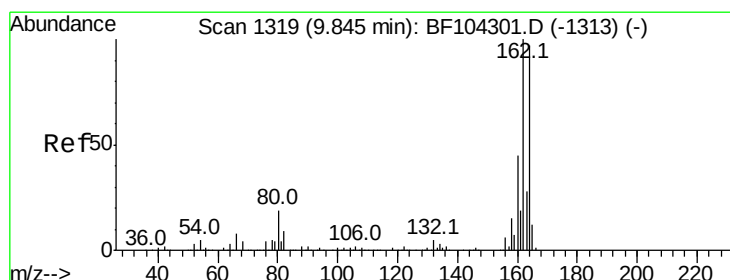
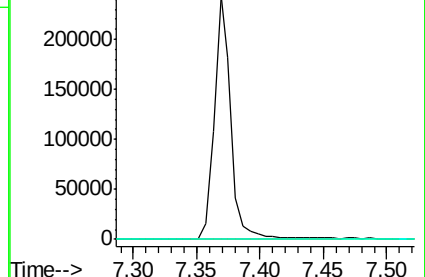
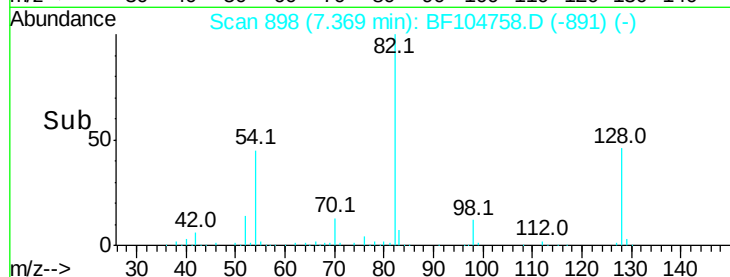
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

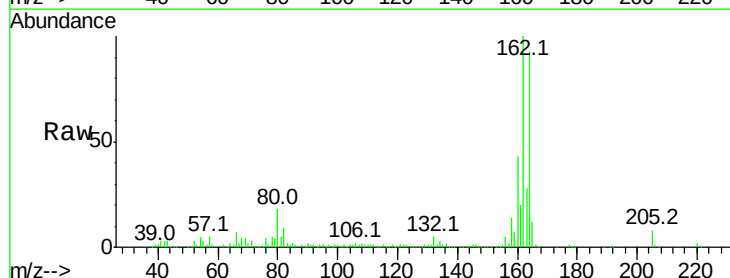
Tgt Ion:164 Resp: 217421

Ion Ratio Lower Upper

164 100

162 107.1 86.1 129.1

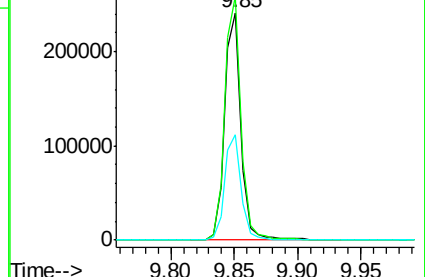
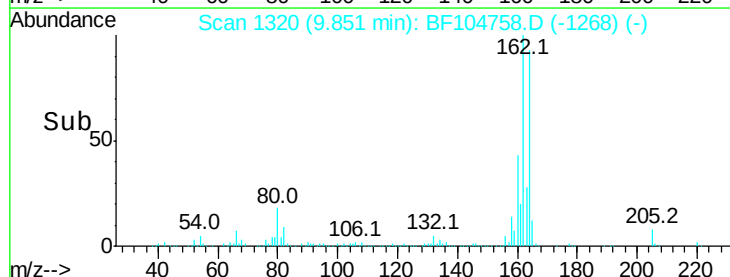
160 46.2 38.3 57.5

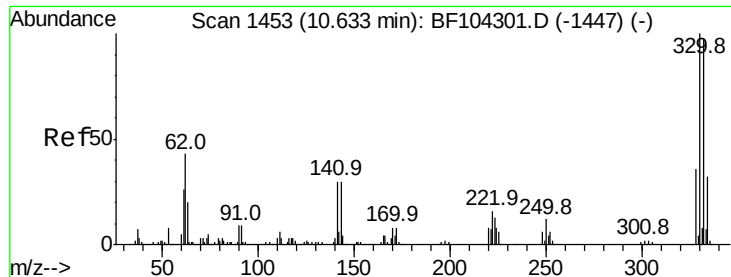


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 41.749 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

Instrument :

BNA_F

ClientSampleId :

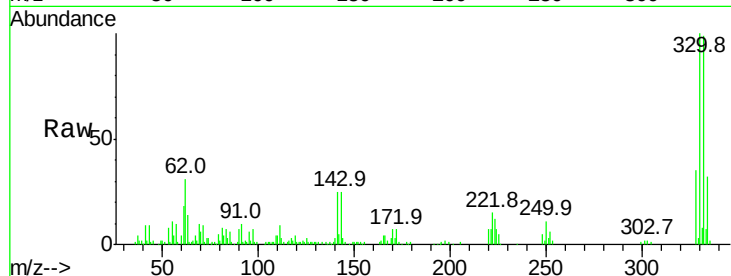
Tot Ion:330 Resp: 94159

Ion Ratio Lower Upper

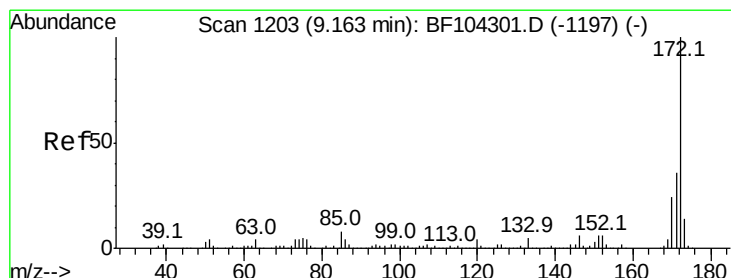
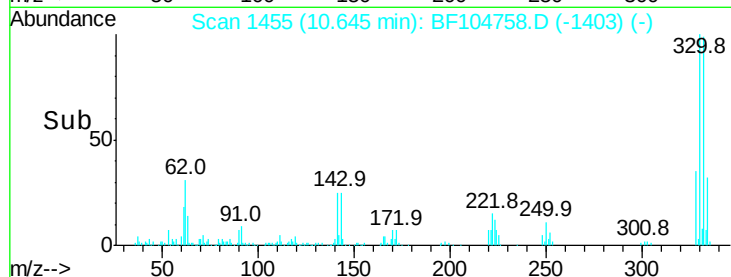
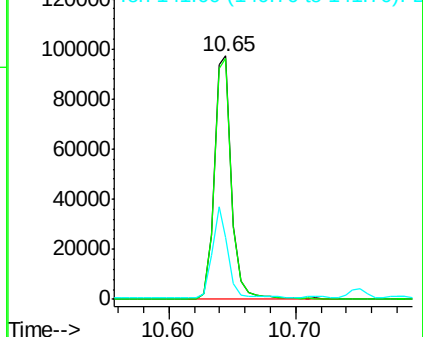
330 100

332 98.3 77.0 115.6

141 32.9 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: 35.765 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

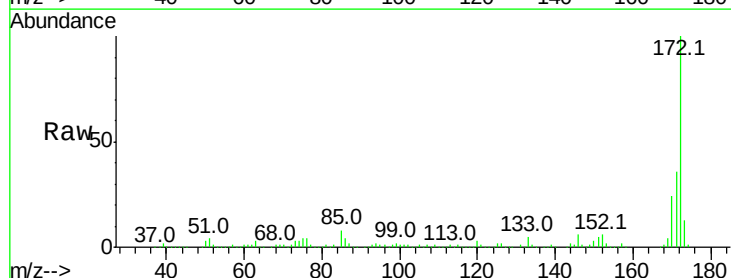
Tgt Ion:172 Resp: 492239

Ion Ratio Lower Upper

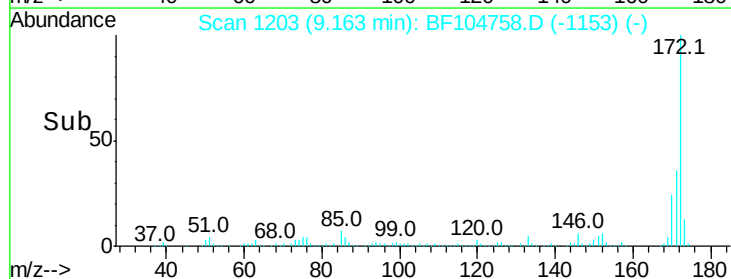
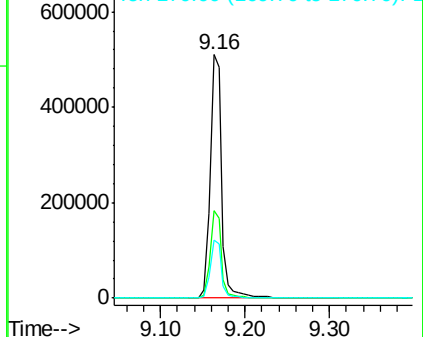
172 100

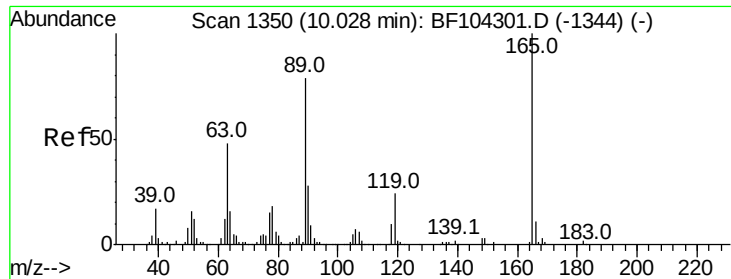
171 35.7 29.7 44.5

170 23.7 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

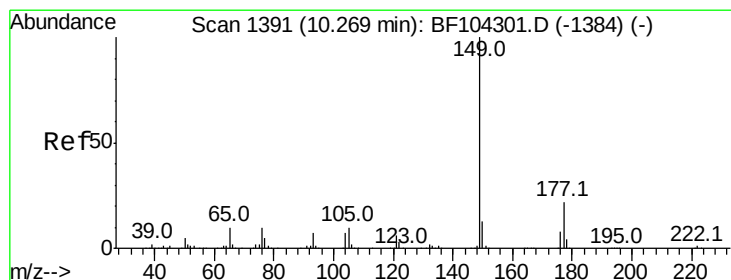
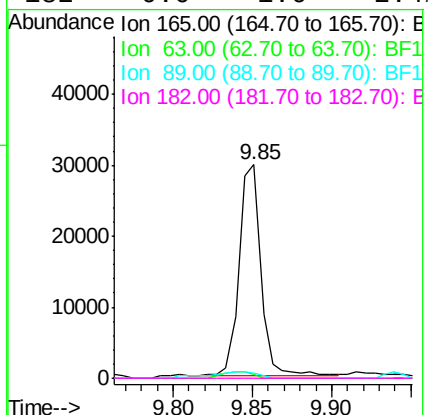
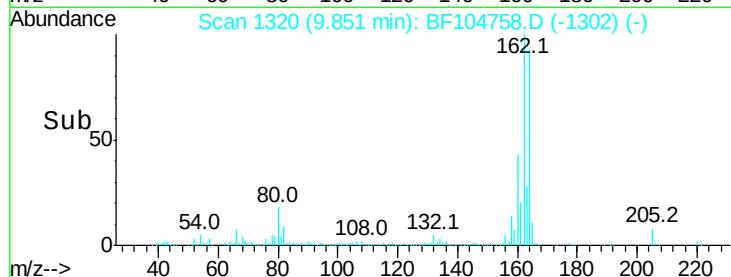
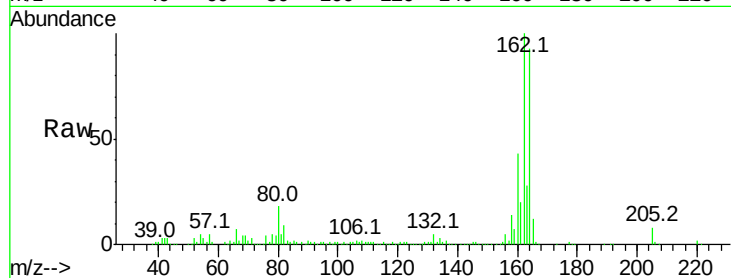




#56
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

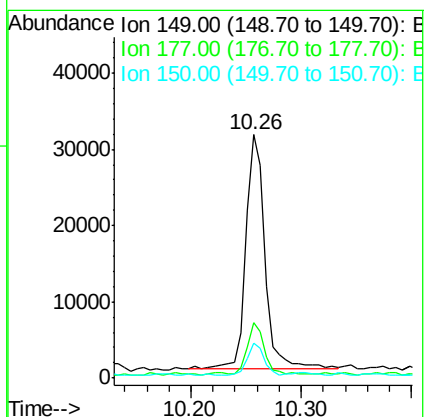
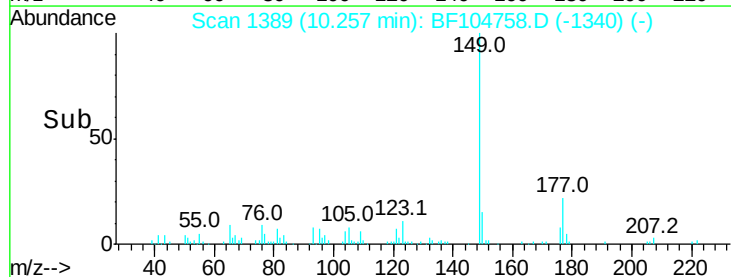
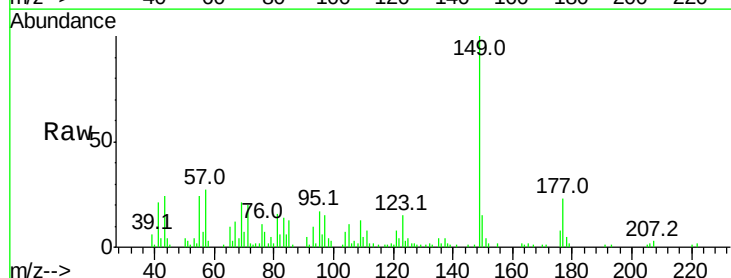
Instrument :
BNA_F
ClientSampleId :

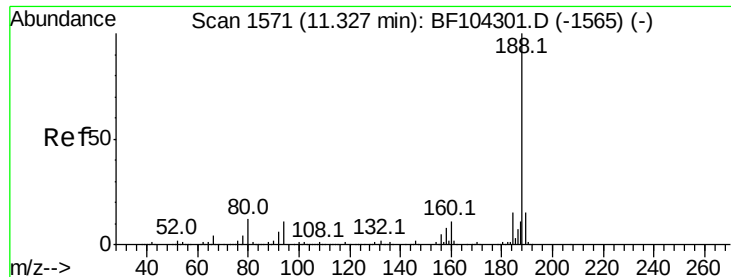
Tot Ion:165 Resp: 28477
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 2.3 57.8 86.6#
182 0.0 1.6 2.4#



#59
Diethylphthalate
Concen: 2.223 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Tgt Ion:149 Resp: 37961
Ion Ratio Lower Upper
149 100
177 22.7 16.1 24.1
150 14.6 10.1 15.1

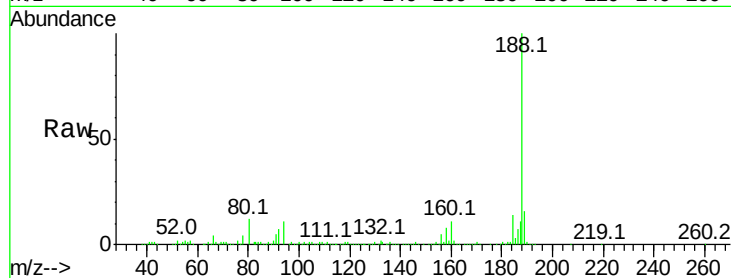




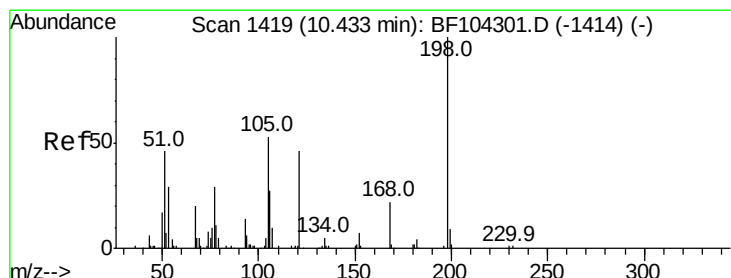
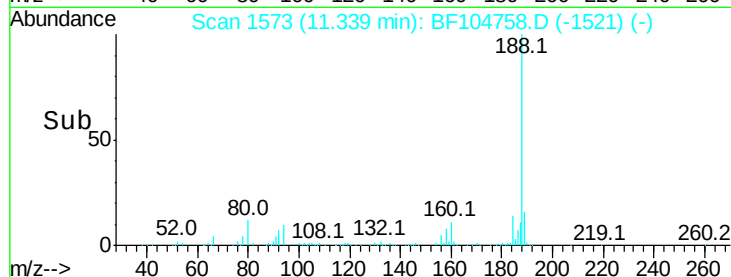
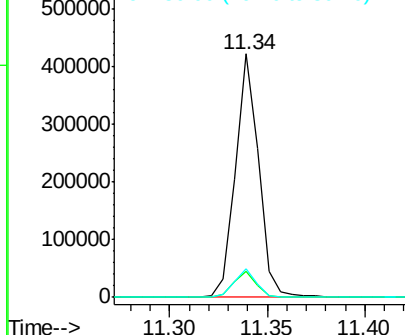
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 347564
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.8 9.2 13.8

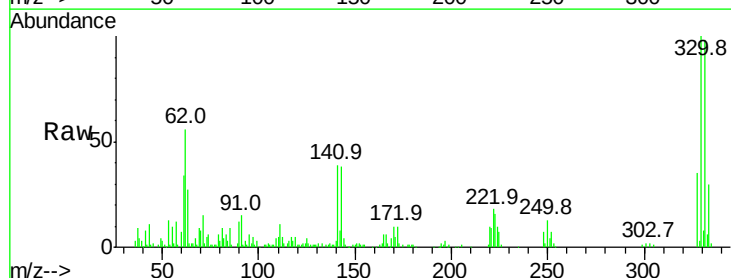


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

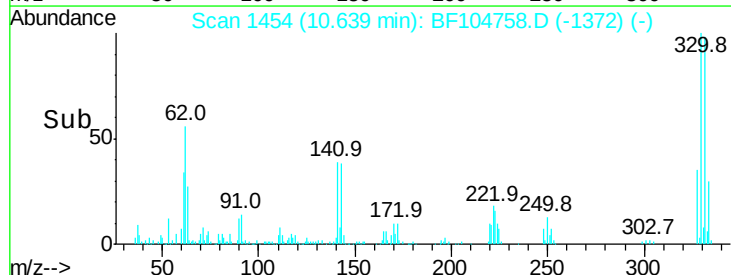
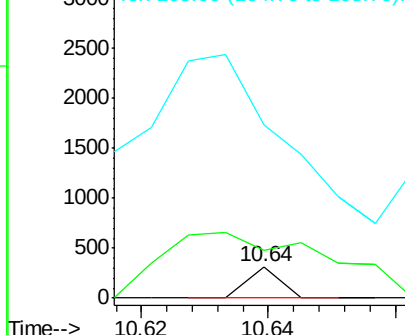


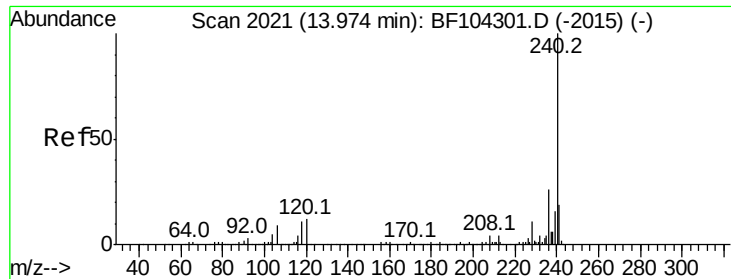
#64
4,6-Dinitro-2-methylphenol
Concen: 7.402 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 154.6 37.7 77.7#
105 554.3 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

Instrument :

BNA_F

ClientSampleId :

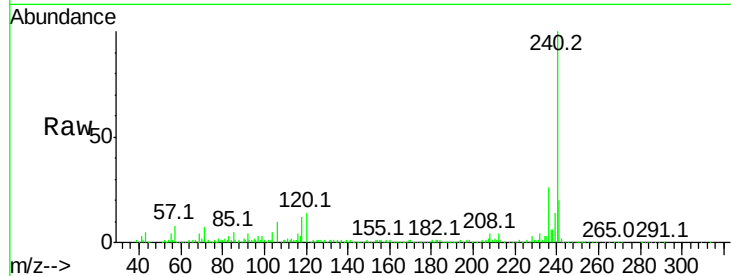
Tot Ion:240 Resp: 269604

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

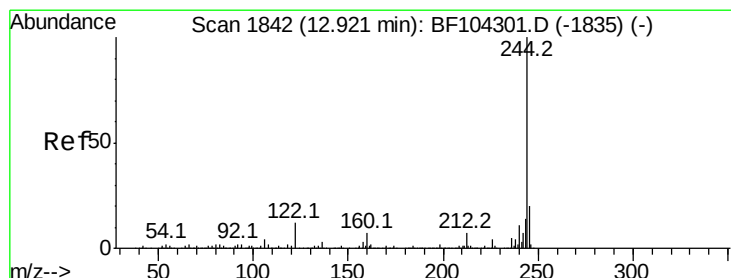
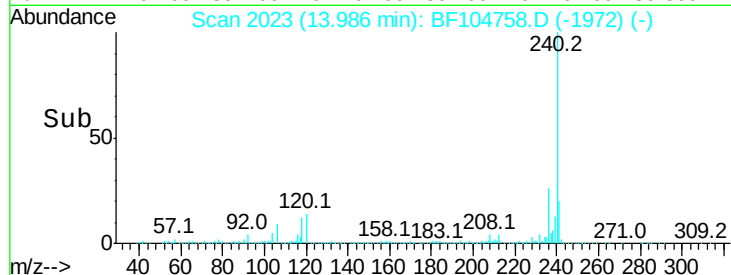
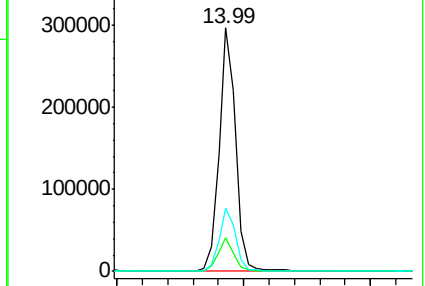
236 25.9 20.7 31.1



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



#78

Terphenyl-d14

Concen: 39.791 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104758.D

Acq: 24 Apr 2018 16:07

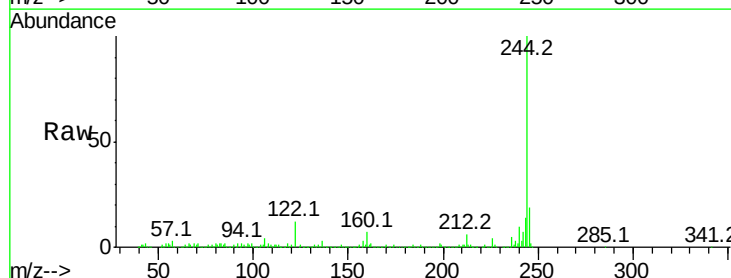
Tgt Ion:244 Resp: 470551

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

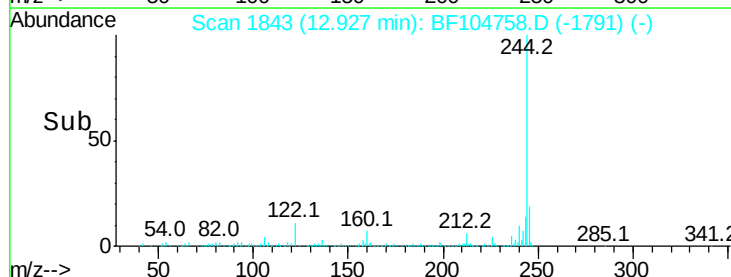
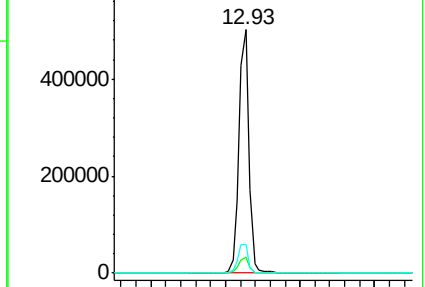
122 11.5 11.0 16.4

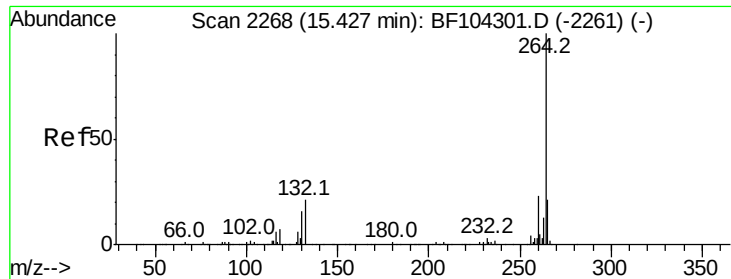


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

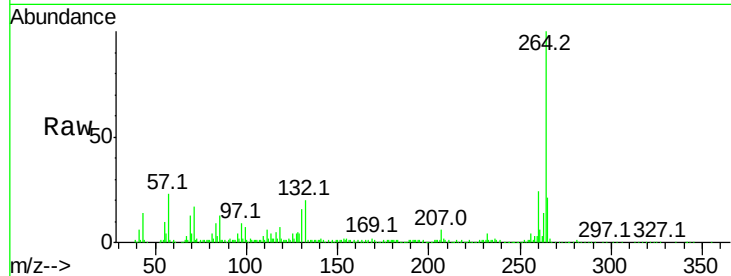




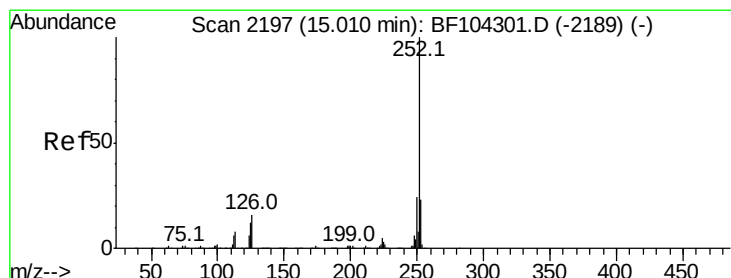
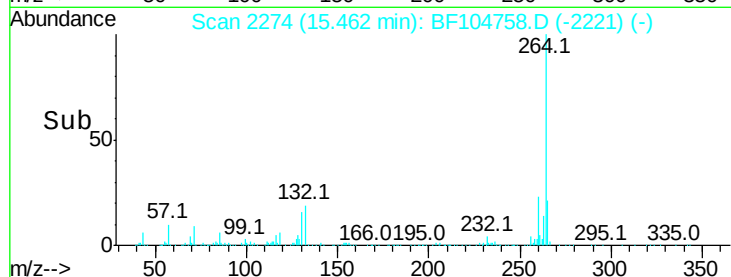
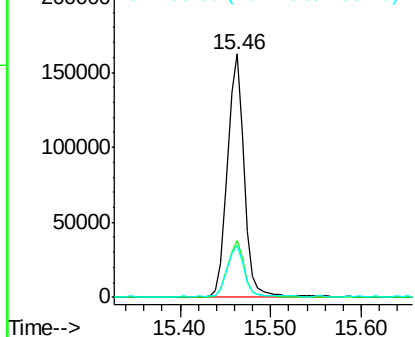
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 209924
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.1 17.5 26.3

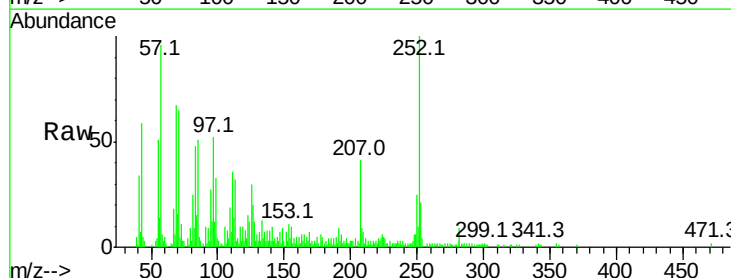


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

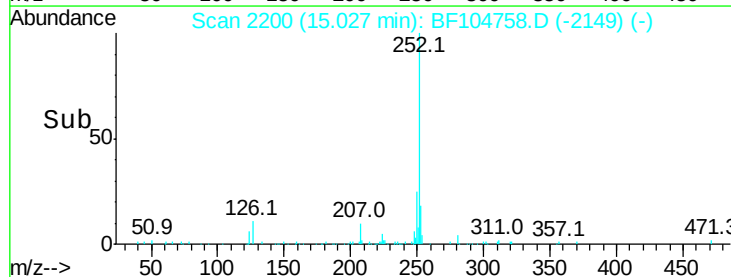
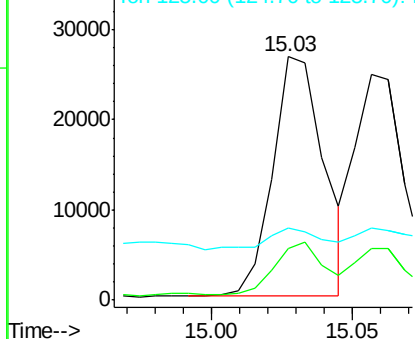


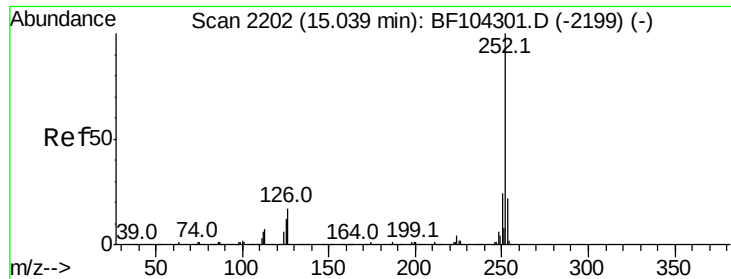
#87
Benzo(b)fluoranthene
Concen: 2.530 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Tgt Ion:252 Resp: 33540
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 29.9 9.0 13.6#



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

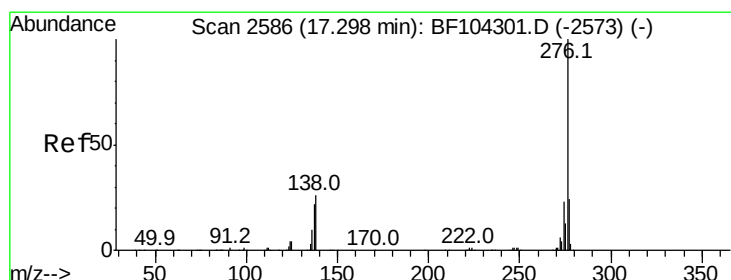
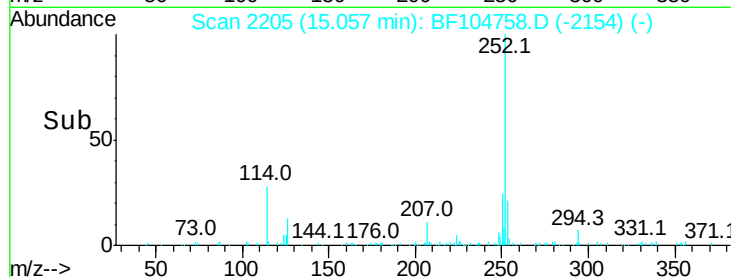
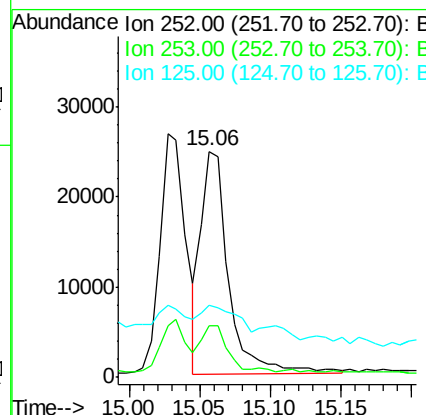
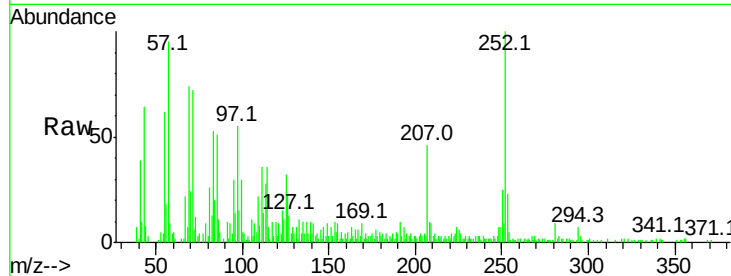




#88
Benzo(k)fluoranthene
Concen: 2.685 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 33607
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 32.2 10.2 15.2#



#91
Benzo(g,h,i)perylene
Concen: 2.225 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF104758.D
Acq: 24 Apr 2018 16:07

Tgt Ion:276 Resp: 21005
Ion Ratio Lower Upper
276 100
277 24.4 17.9 26.9
138 24.7 21.8 32.8

