

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104755.D
 Acq On : 24 Apr 2018 14:46
 Operator : JU/SJ
 Sample : J2498-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:55:00 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	121801	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	516426	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	252125	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	480416	20.00	ng	0.00
75) Chrysene-d12	13.99	240	390632	20.00	ng	0.00
86) Perylene-d12	15.46	264	292068	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	190863	23.96	ng	0.00
7) Phenol-d6	6.45	99	184057	18.81	ng	0.00
23) Nitrobenzene-d5	7.37	82	325701	41.18	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	91269	34.90	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	650930	40.79	ng	0.00
78) Terphenyl-d14	12.93	244	770059	44.94	ng	0.00

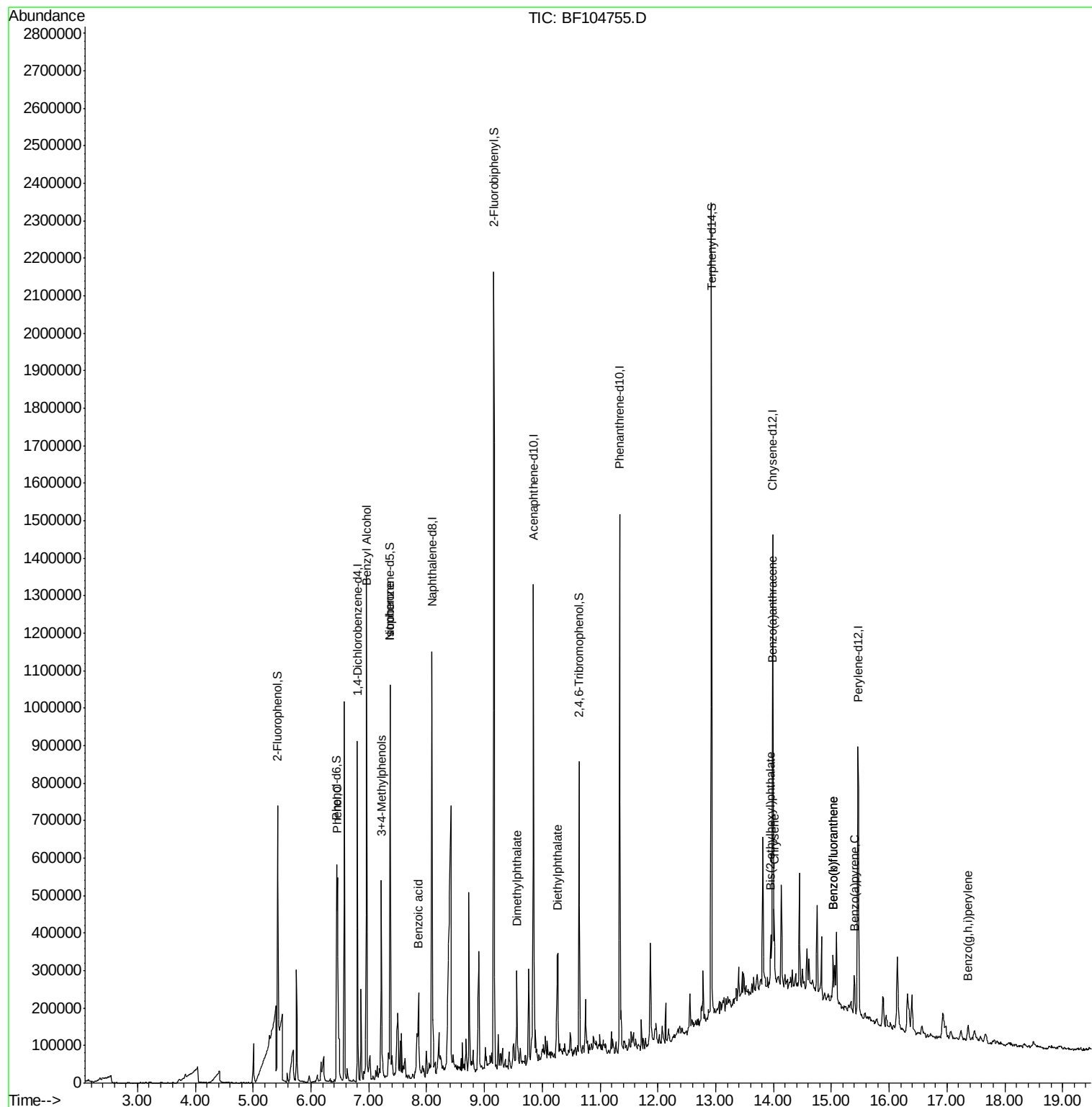
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	638	Below Cal		# 1
10) Phenol	6.46	94	138751	13.361	ng	97
15) Benzyl Alcohol	6.95	79	21569	2.901	ng	96
20) 3+4-Methylphenols	7.22	107	148321	16.364	ng	86
25) Isophorone	7.37	82	325696	19.475	ng	# 64
32) Benzoic acid	7.86	122	37669	6.396	ng	97
49) Dimethylphthalate	9.56	163	82325	4.141	ng	100
59) Diethylphthalate	10.26	149	90600	4.575	ng	99
76) Benzidine	12.52	184	1311	Below Cal		# 43
80) Benzo(a)anthracene	13.97	228	52390	2.245	ng	97
82) Chrysene	14.01	228	60640	2.530	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	41039	2.339	ng	98
87) Benzo(b)fluoranthene	15.03	252	60128	3.260	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	60128	3.453	ng	98
89) Benzo(a)pyrene	15.40	252	44800	2.714	ng	# 93
91) Benzo(g,h,i)perylene	17.37	276	36295	2.764	ng	97

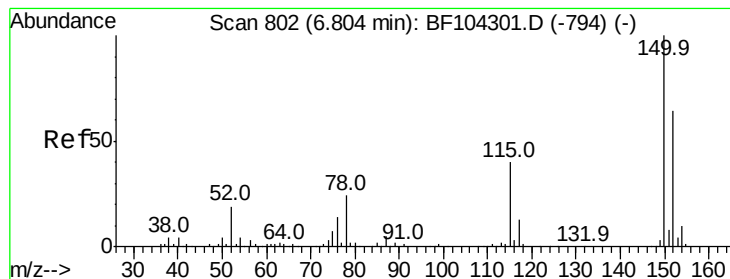
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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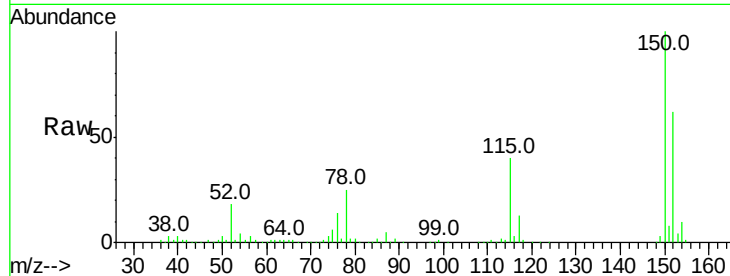


#1

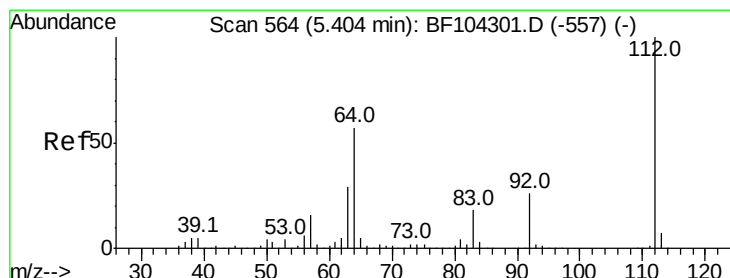
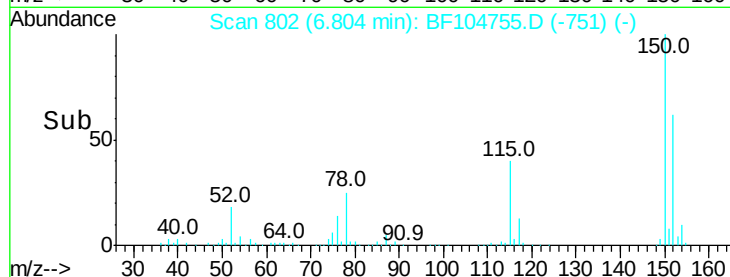
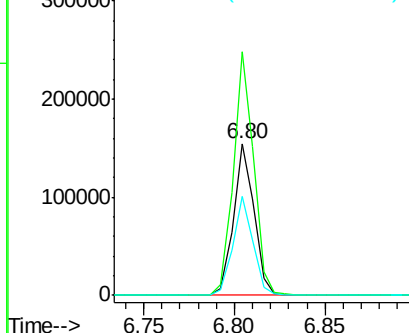
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121801
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 64.9 50.1 75.1



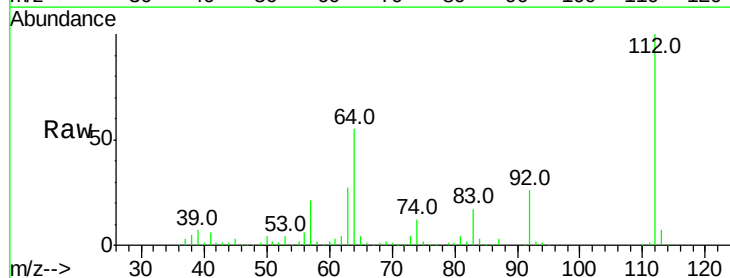
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



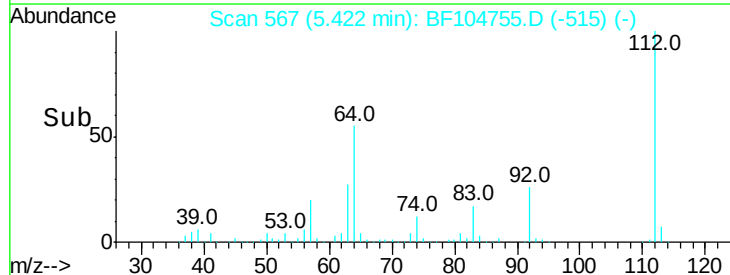
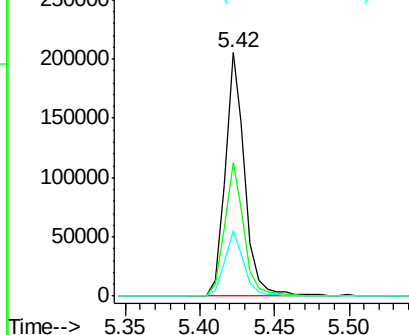
#5

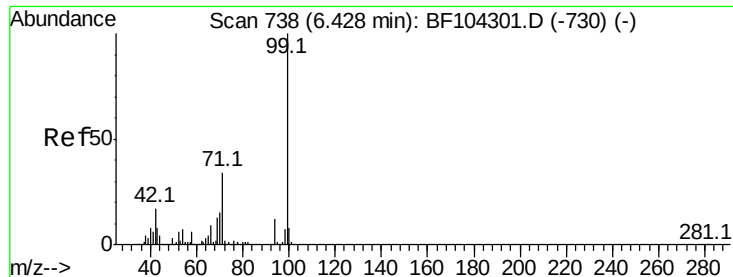
2-Fluorophenol
Concen: 23.960 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Tgt Ion:112 Resp: 190863
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 26.9 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: 18.806 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

Instrument :

BNA_F

ClientSampleId :

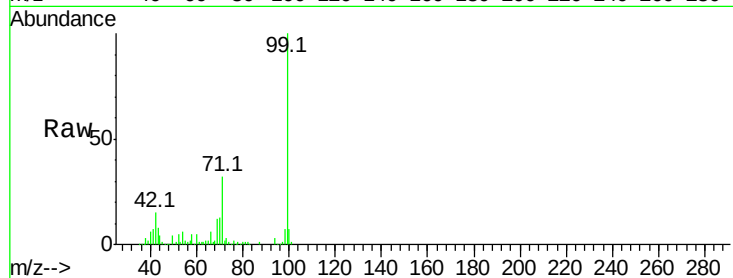
Tot Ion: 99 Resp: 184057

Ion Ratio Lower Upper

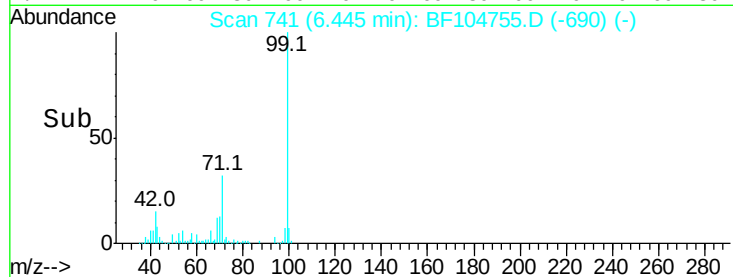
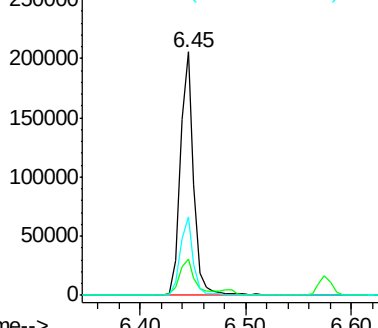
99 100

42 15.0 14.5 21.7

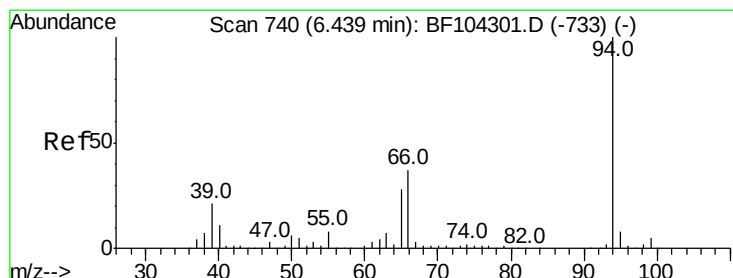
71 32.0 25.4 38.0



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



Time-->



#10

Phenol

Concen: 13.361 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

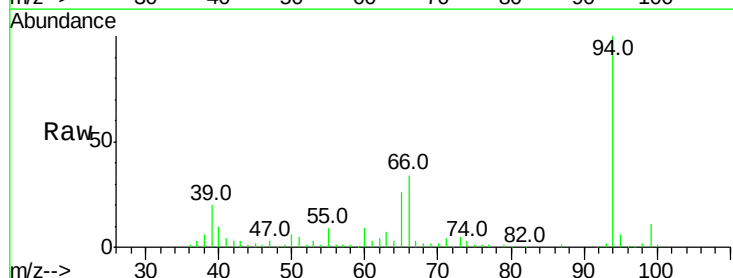
Tgt Ion: 94 Resp: 138751

Ion Ratio Lower Upper

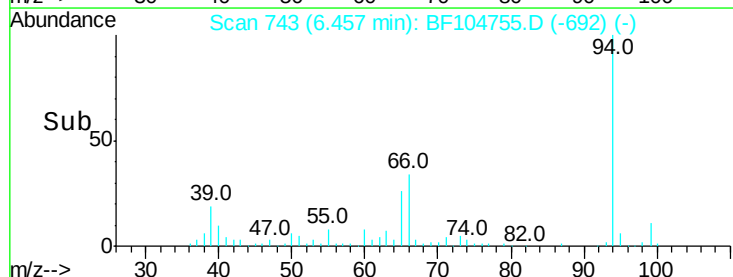
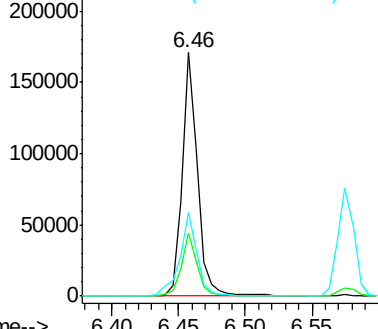
94 100

65 26.0 7.9 47.9

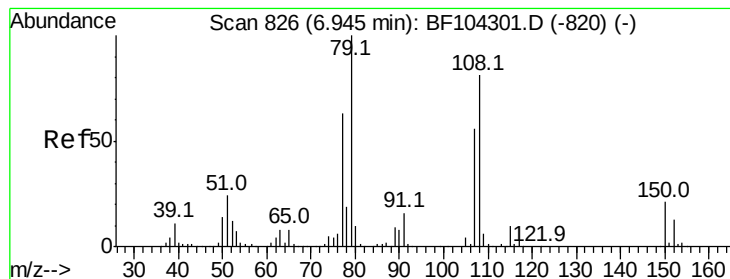
66 34.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->



#15

Benzyl Alcohol

Concen: 2.901 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

Instrument :

BNA_F

ClientSampled :

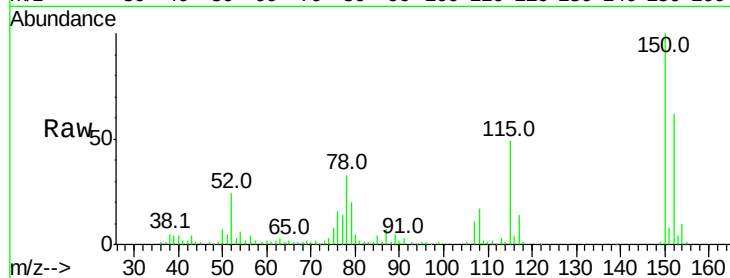
Tot Ion: 79 Resp: 21569

Ion Ratio Lower Upper

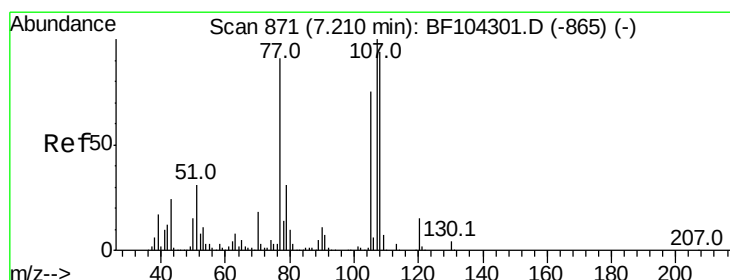
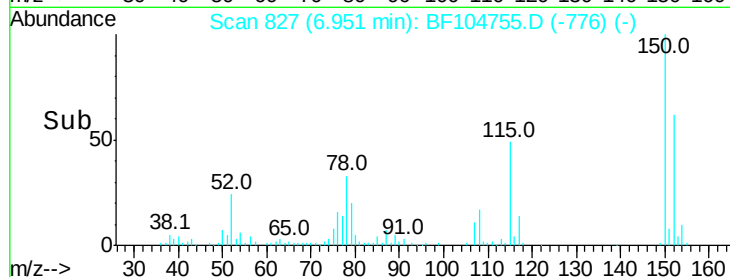
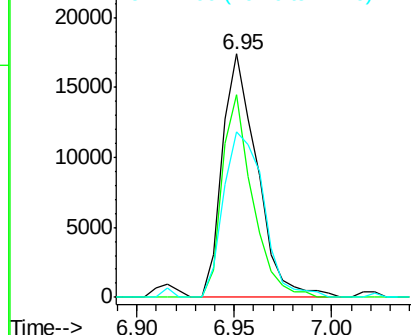
79 100

108 83.1 65.1 97.7

77 68.0 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#20

3+4-Methylphenols

Concen: 16.364 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

Tgt Ion:107 Resp: 148321

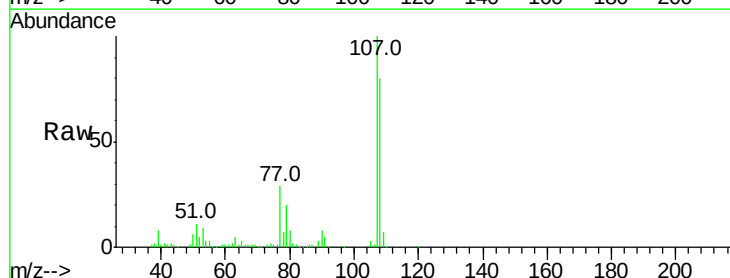
Ion Ratio Lower Upper

107 100

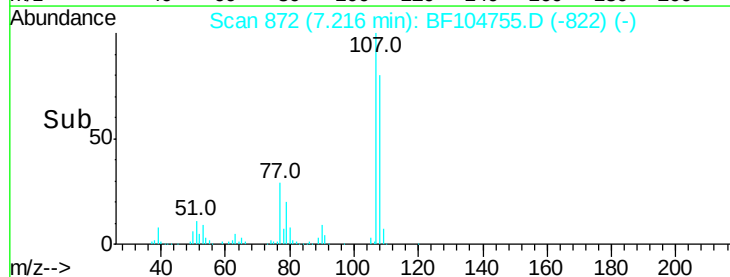
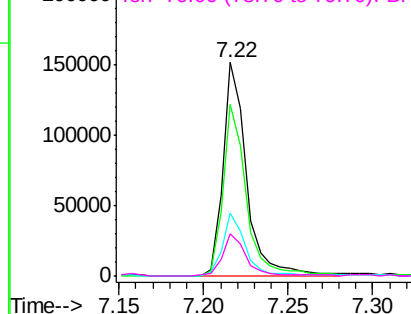
108 80.3 68.2 108.2

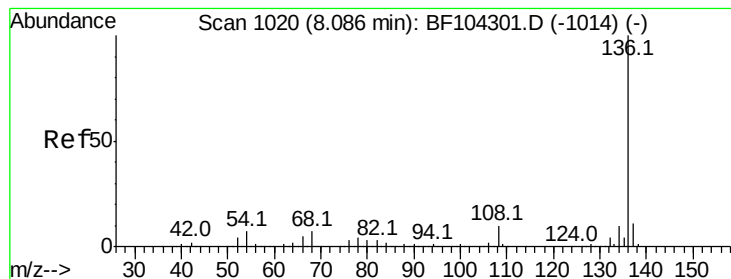
77 29.2 26.7 66.7

79 19.9 6.3 46.3



Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
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: BF104755.D

Acq: 24 Apr 2018 14:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 516426

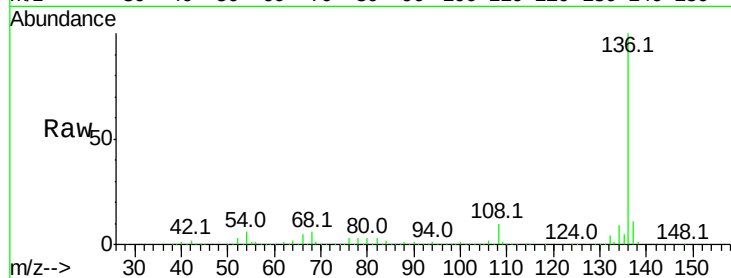
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.5 6.6 9.8#

68 5.6 5.0 7.4

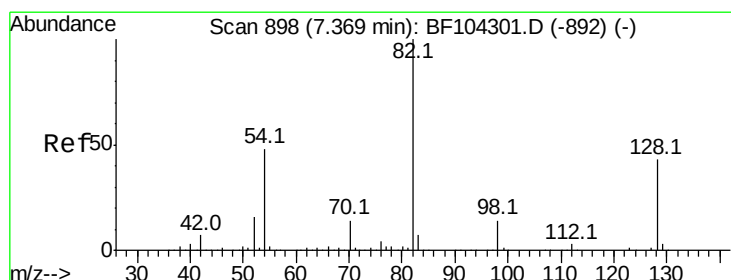
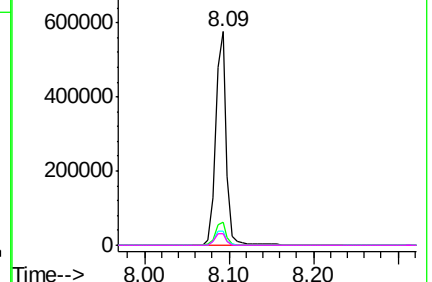
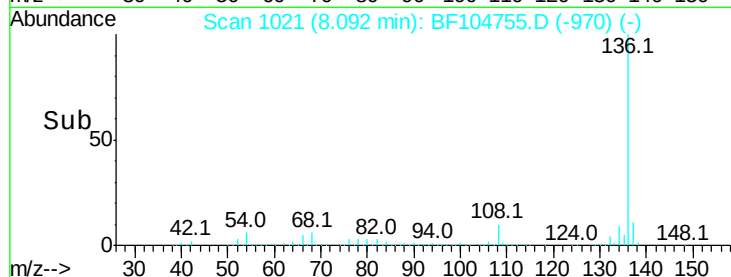


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.182 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

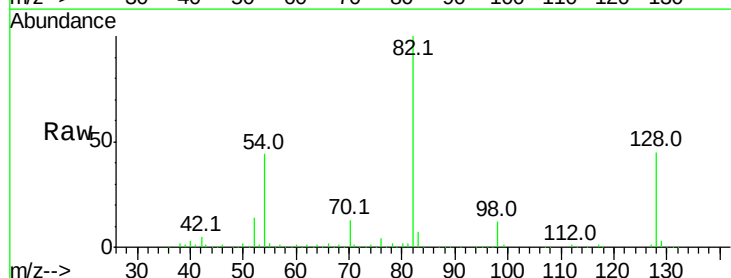
Tgt Ion: 82 Resp: 325701

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

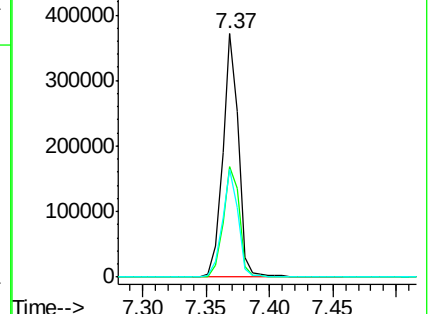
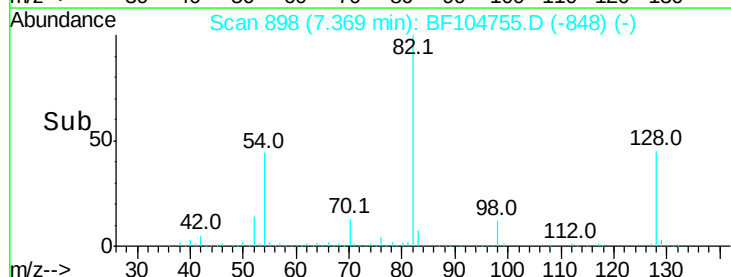
54 44.3 41.4 62.2

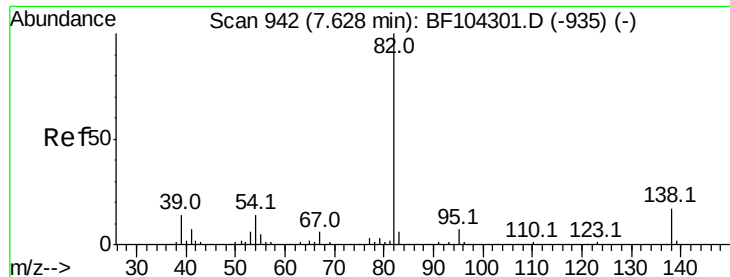


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.475 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

Instrument :

BNA_F

ClientSampled :

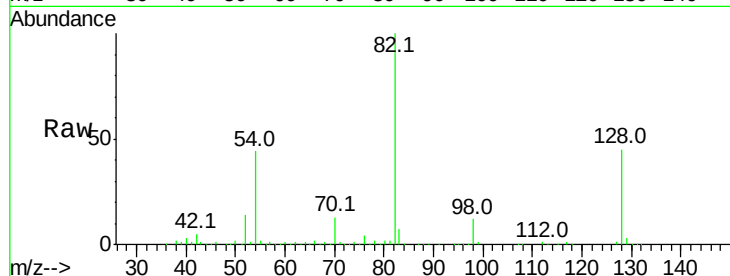
Tot Ion: 82 Resp: 325696

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

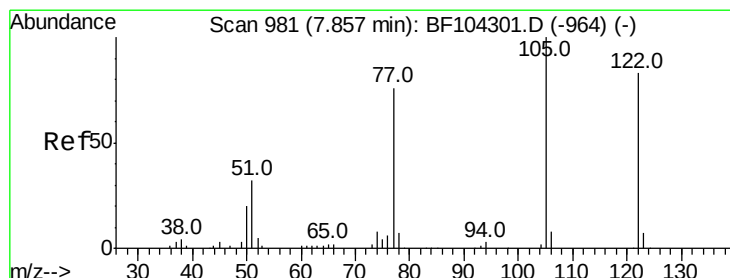
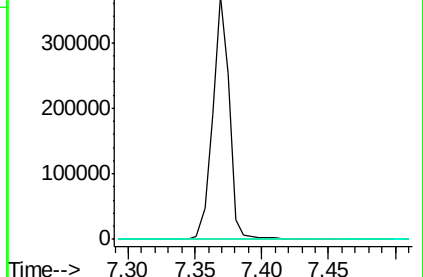
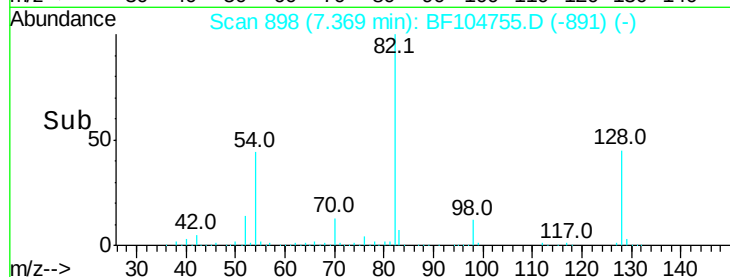
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.396 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

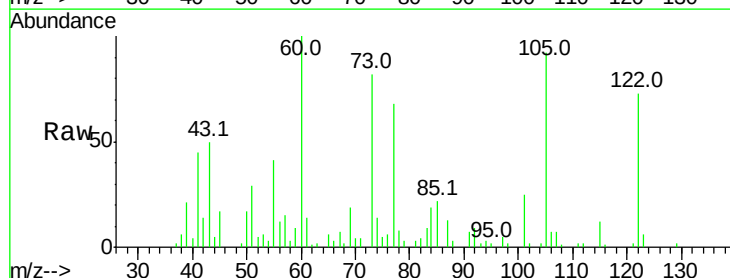
Tgt Ion:122 Resp: 37669

Ion Ratio Lower Upper

122 100

105 125.9 101.1 141.1

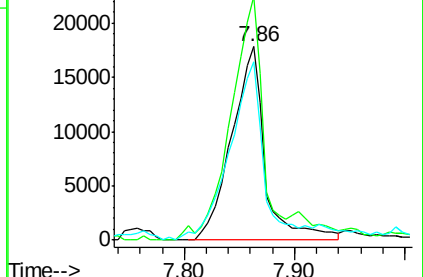
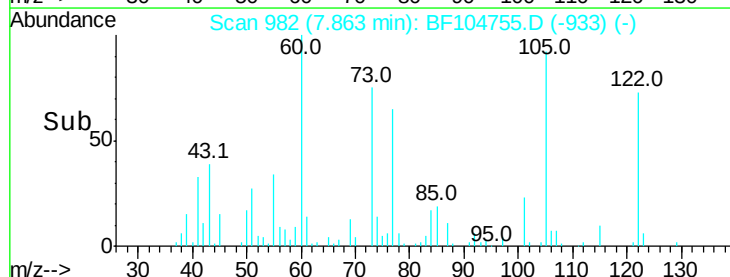
77 92.5 70.7 110.7

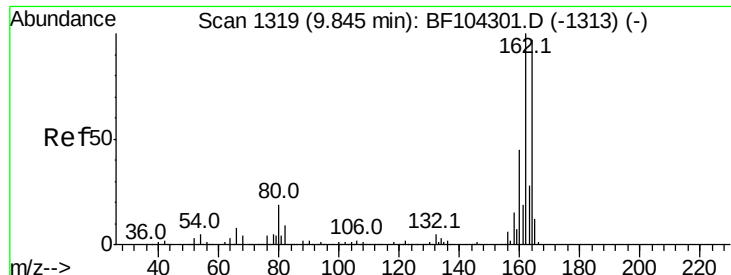


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

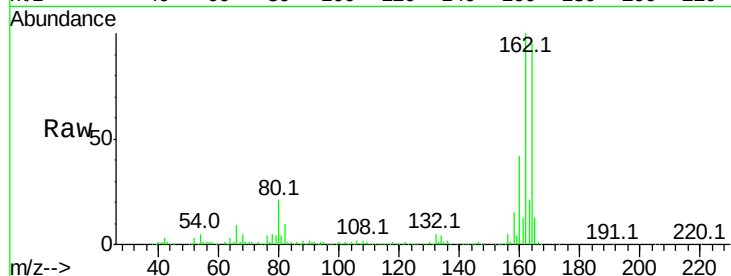




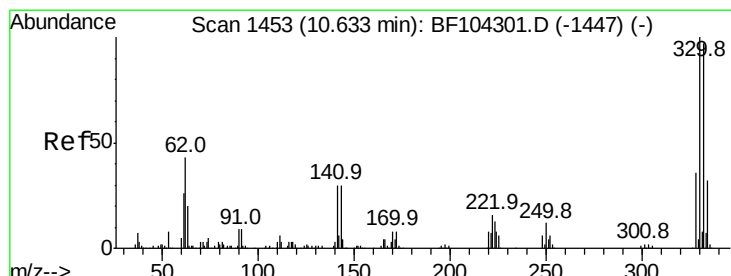
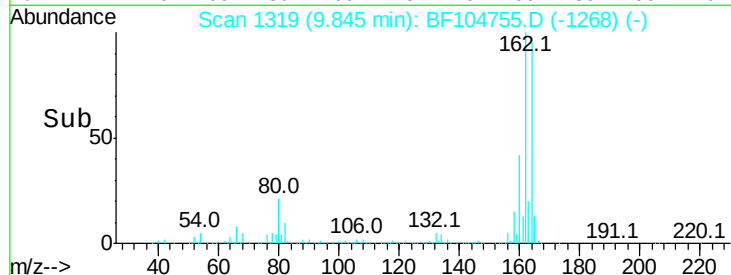
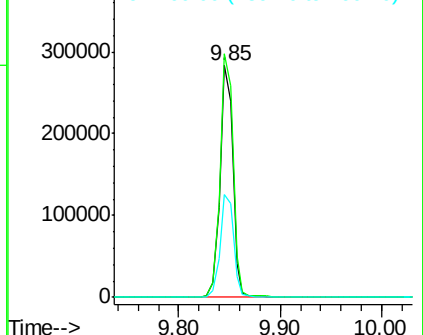
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104755.D
 Acq: 24 Apr 2018 14:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 252125
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 44.2 38.3 57.5

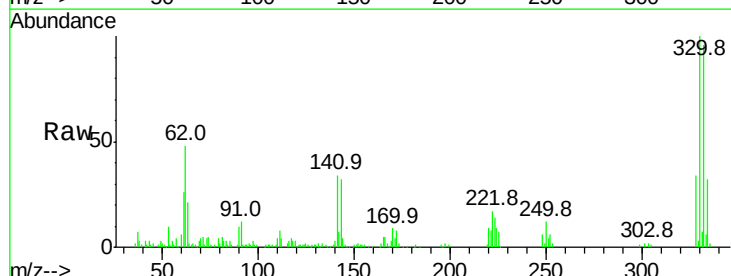


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

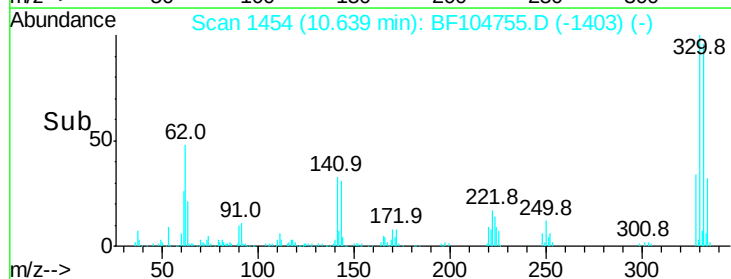
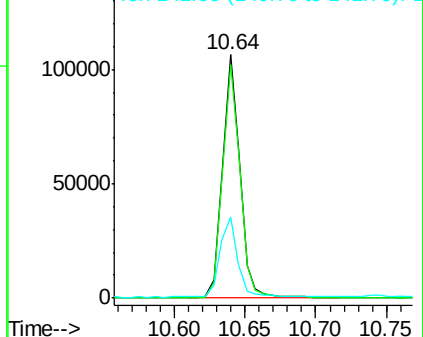


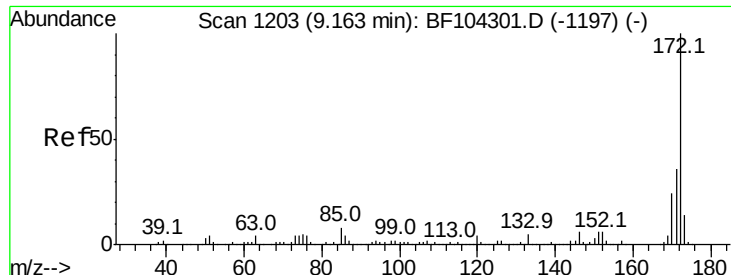
#41
 2,4,6-Tribromophenol
 Concen: 34.897 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104755.D
 Acq: 24 Apr 2018 14:46

Tgt Ion:330 Resp: 91269
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 34.3 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



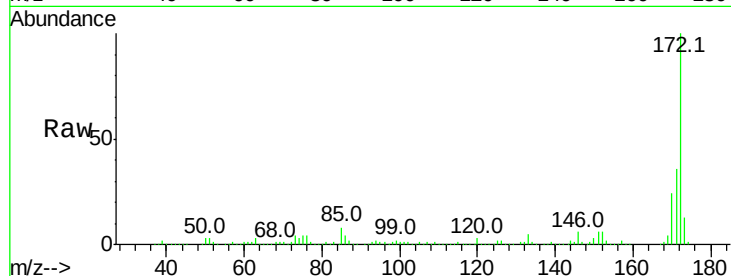


#44
 2-Fluorobiphenyl
 Concen: 40.786 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104755.D
 Acq: 24 Apr 2018 14:46

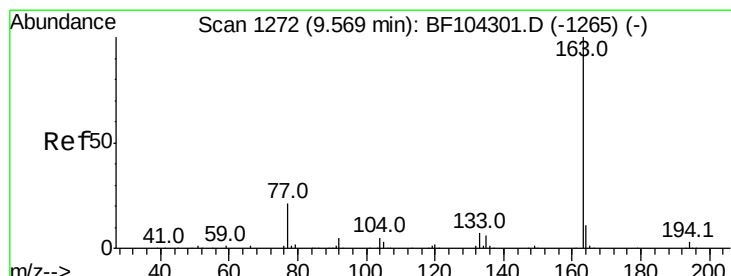
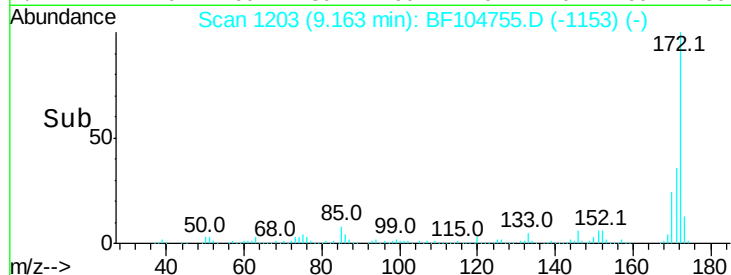
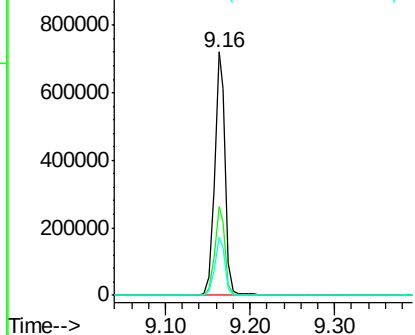
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 650930

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4



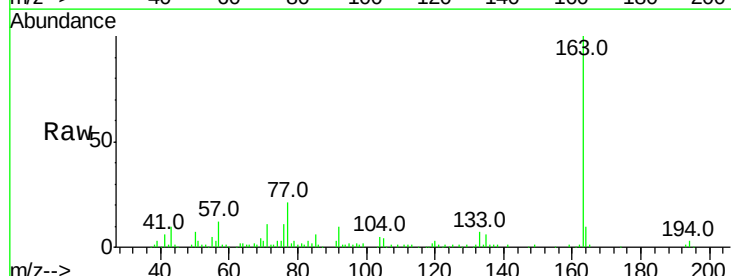
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



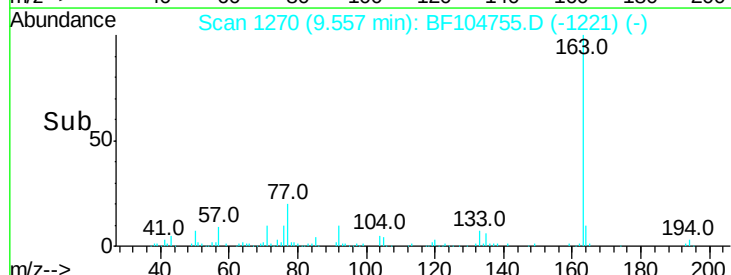
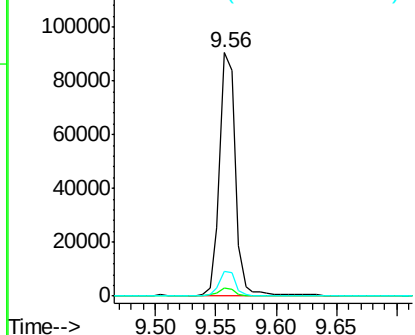
#49
 Dimethylphthalate
 Concen: 4.141 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: BF104755.D
 Acq: 24 Apr 2018 14:46

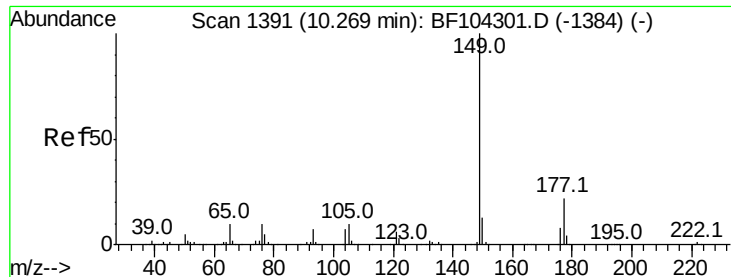
Tgt Ion:163 Resp: 82325

Ion	Ratio	Lower	Upper
163	100		
194	3.4	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

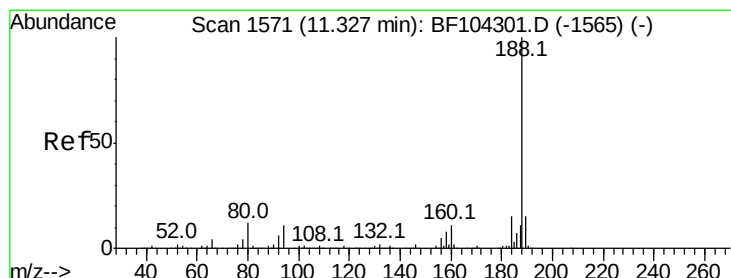
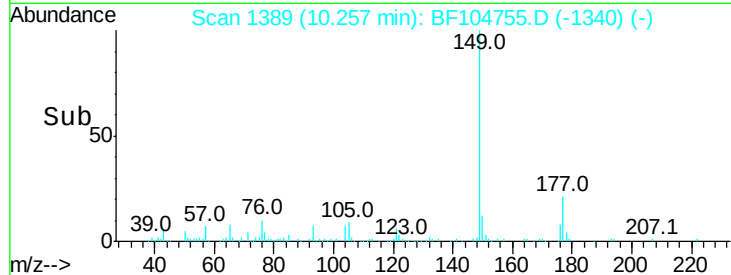
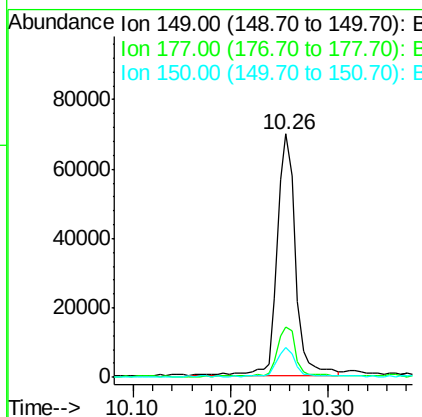
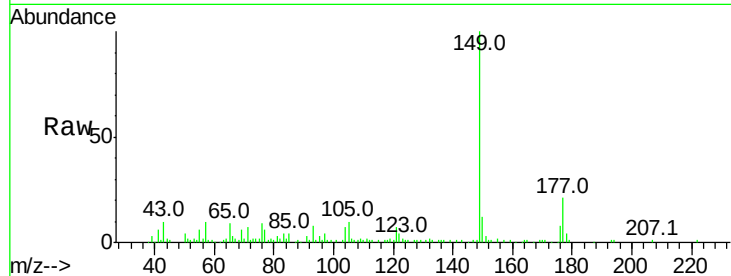




#59
Diethylphthalate
Concen: 4.575 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

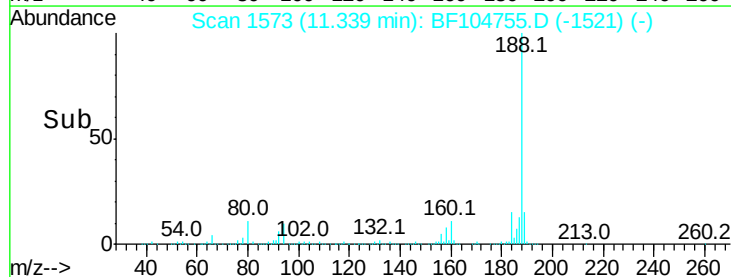
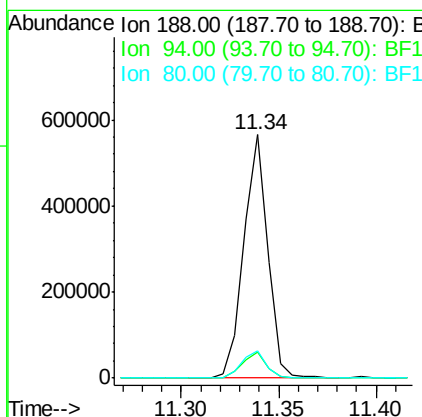
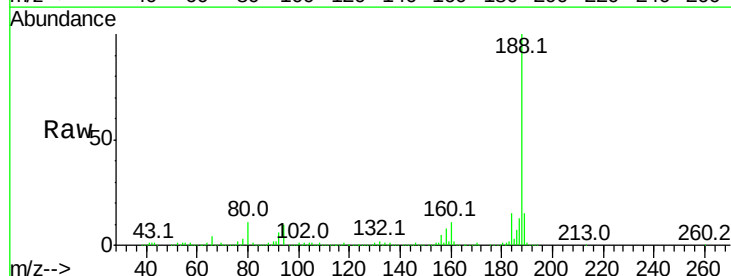
Instrument :
BNA_F
ClientSampleId :

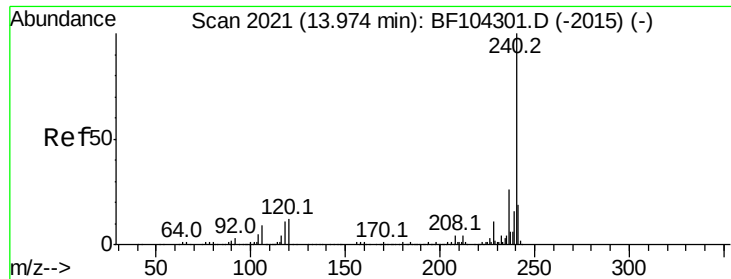
Tot Ion:149	Resp:	90600
Ion Ratio	Lower	Upper
149	100	
177	20.6	16.1 24.1
150	12.2	10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Tgt Ion:188	Resp:	480416
Ion Ratio	Lower	Upper
188	100	
94	10.5	8.5 12.7
80	11.1	9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

Instrument :

BNA_F

ClientSampled :

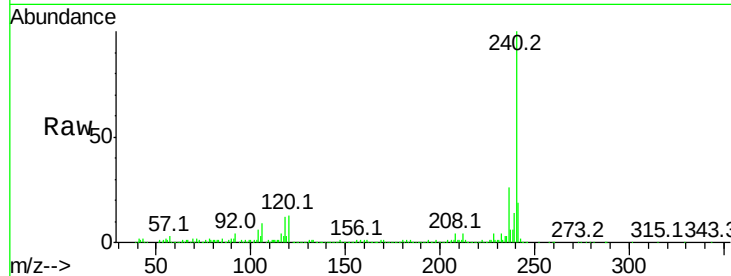
Tot Ion:240 Resp: 390632

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

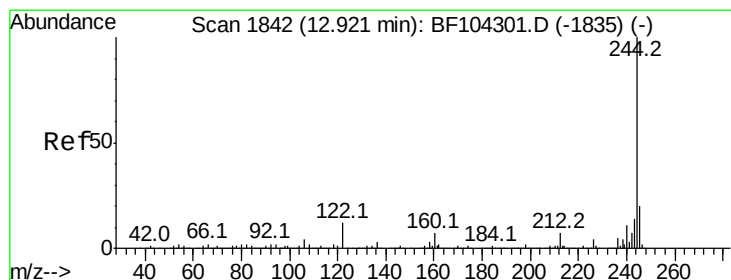
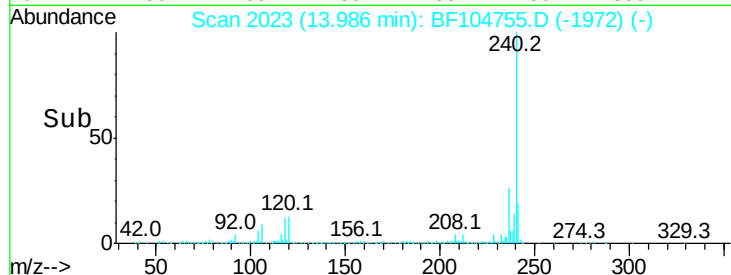
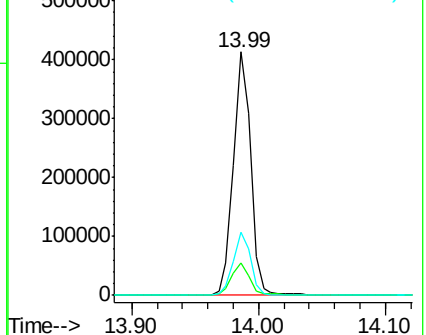
236 26.2 20.7 31.1



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: 44.943 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104755.D

Acq: 24 Apr 2018 14:46

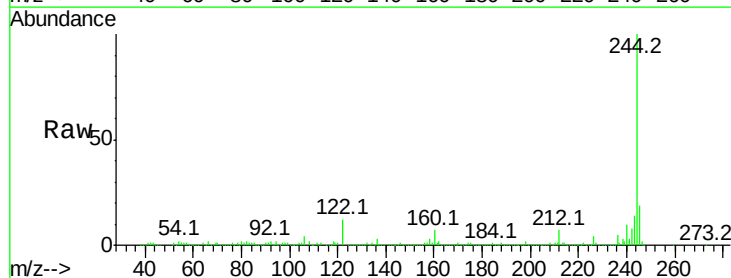
Tgt Ion:244 Resp: 770059

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

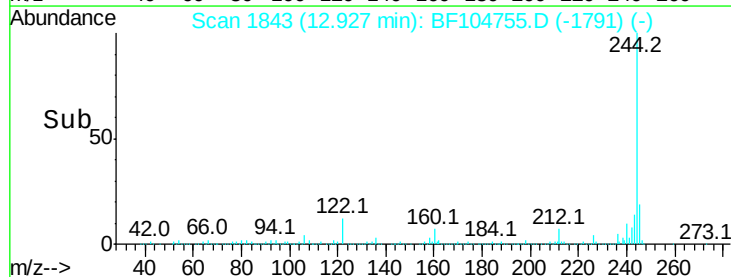
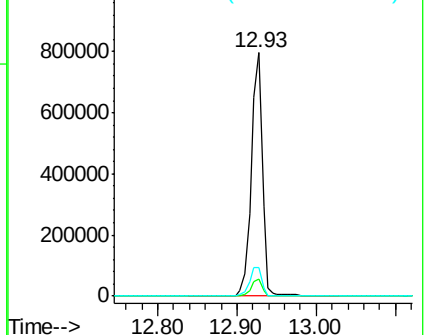
122 12.0 11.0 16.4

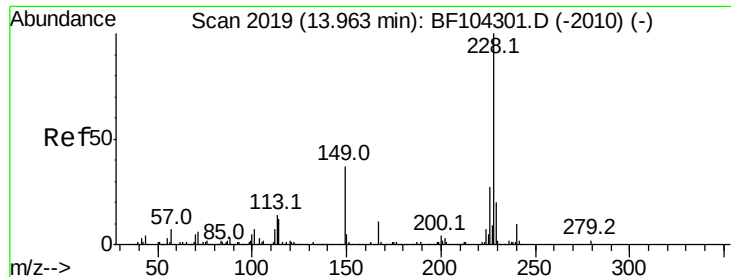


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

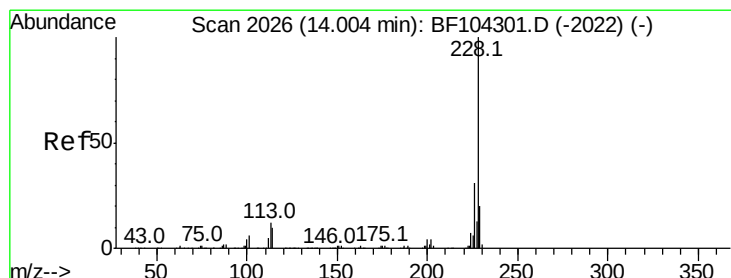
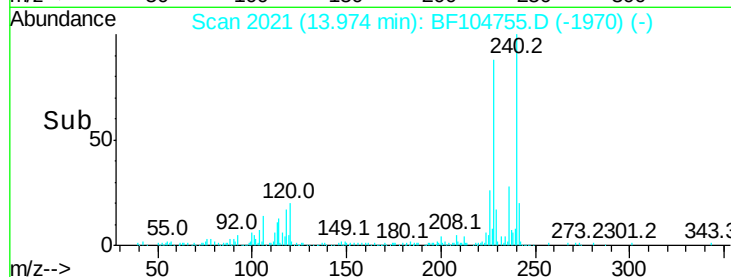
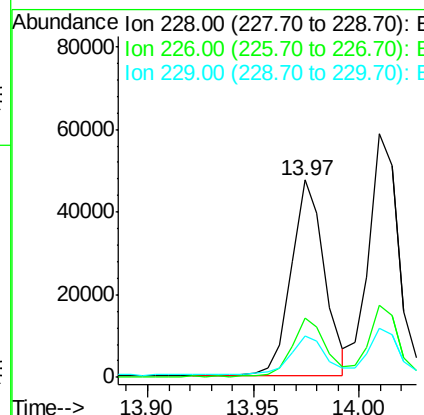
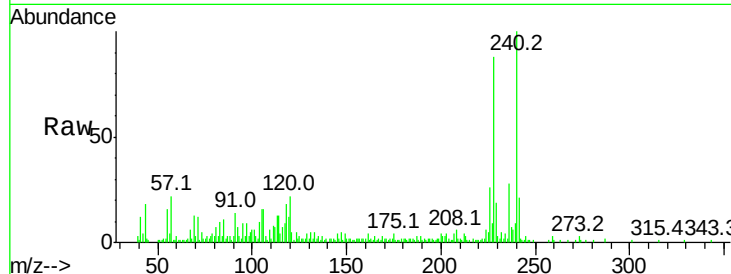




#80
Benzo(a)anthracene
Concen: 2.245 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

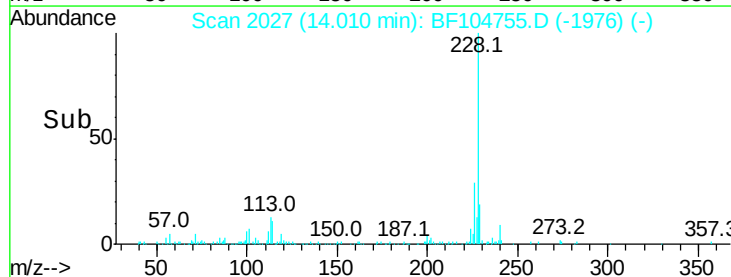
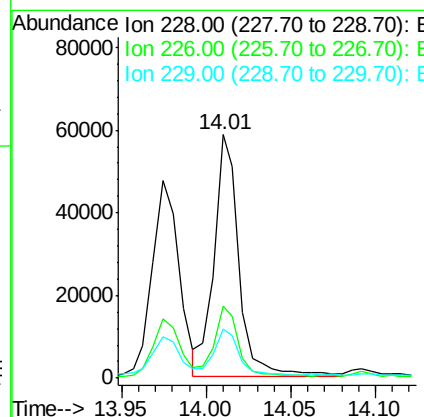
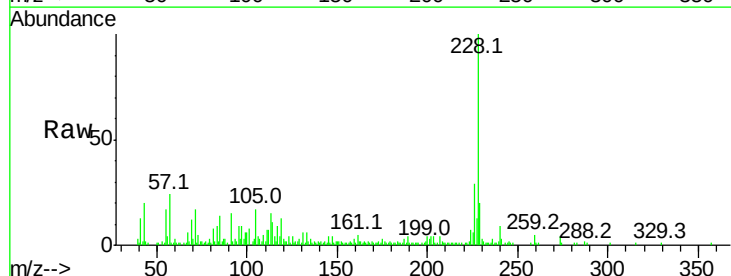
Instrument :
BNA_F
ClientSampleId :

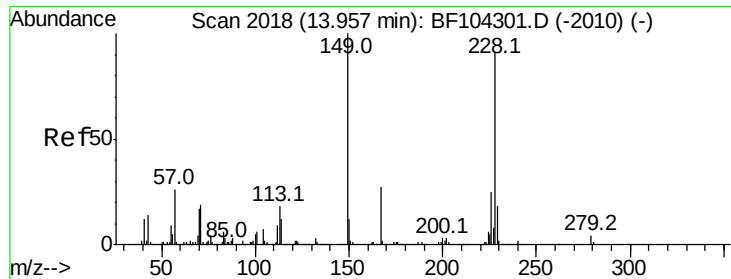
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.3	15.8	23.6



#82
Chrysene
Concen: 2.530 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	19.9	16.2	24.4

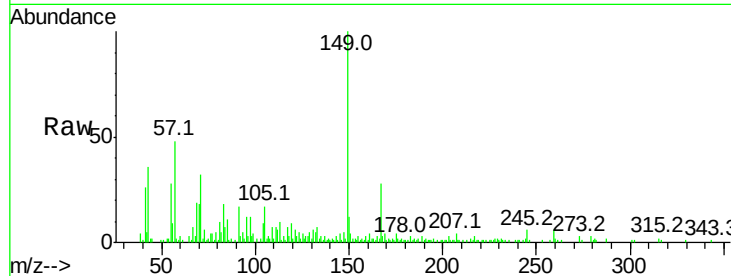




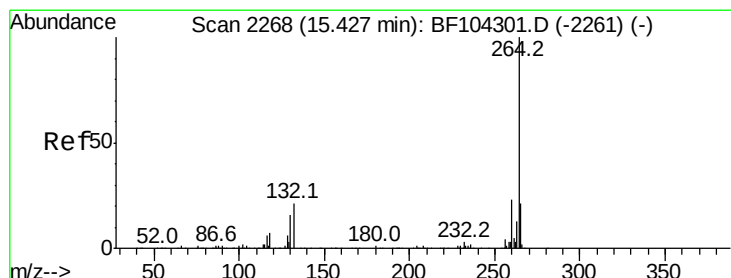
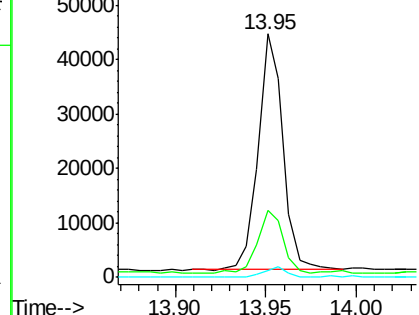
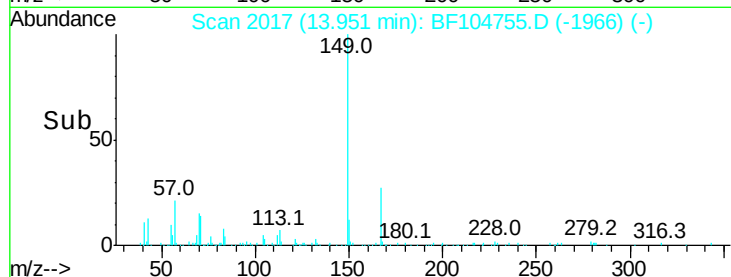
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.339 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF104755.D
 Acq: 24 Apr 2018 14:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 41039
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.3 31.9
 279 3.0 3.0 4.4

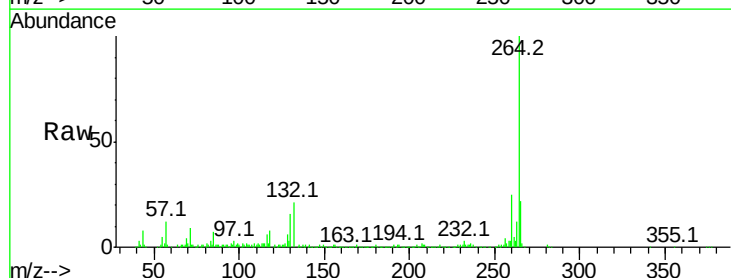


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

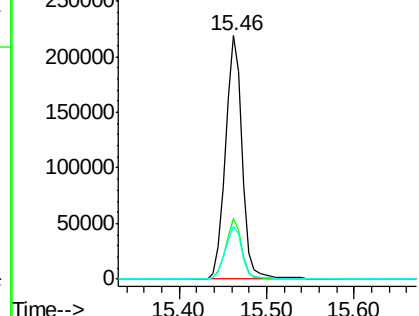
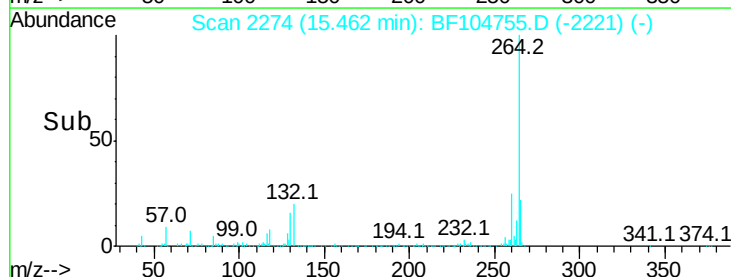


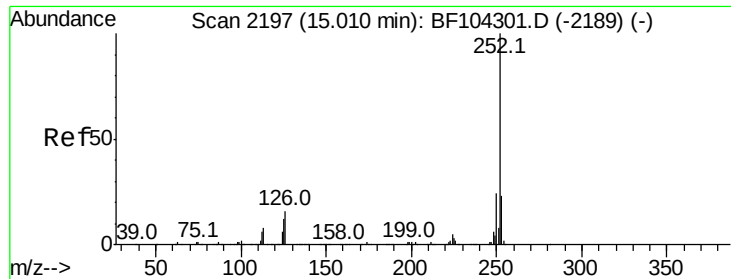
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF104755.D
 Acq: 24 Apr 2018 14:46

Tgt Ion:264 Resp: 292068
 Ion Ratio Lower Upper
 264 100
 260 25.0 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

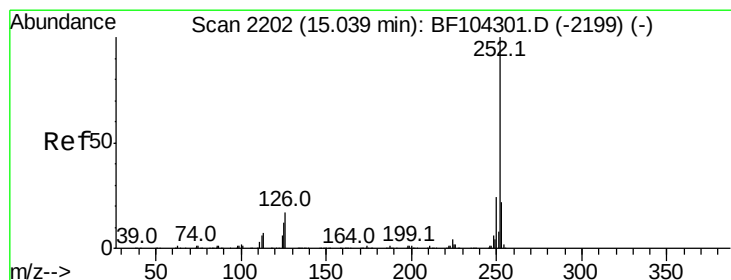
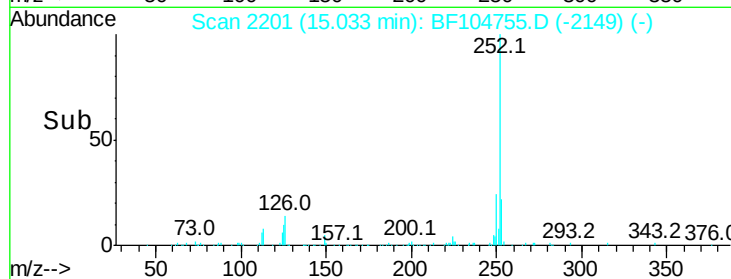
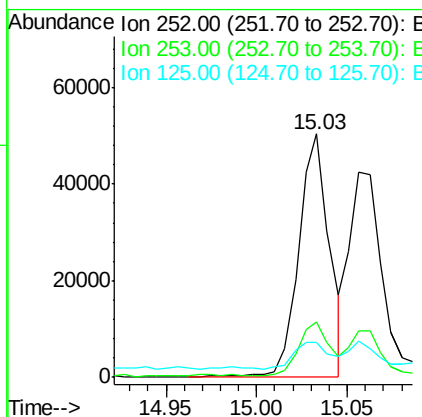
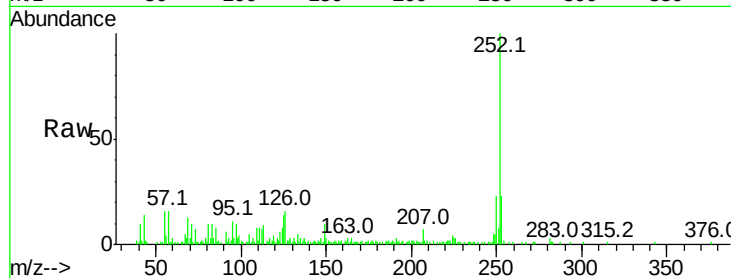




#87
Benzo(b)fluoranthene
Concen: 3.260 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

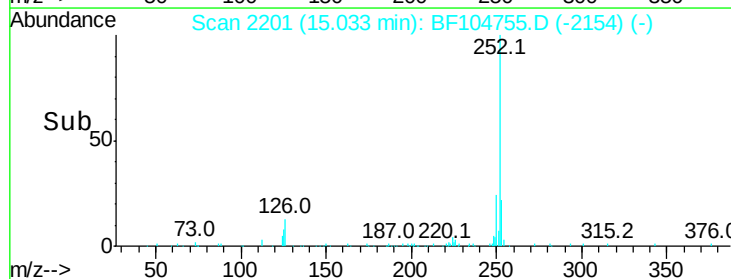
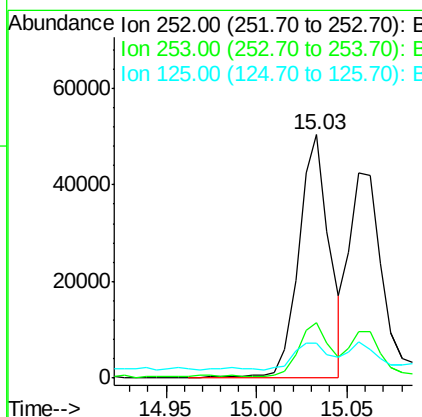
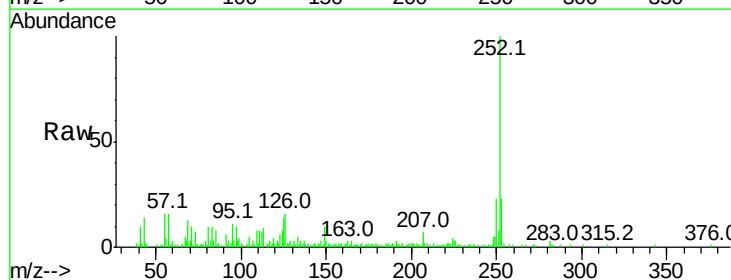
Instrument :
BNA_F
ClientSampleId :

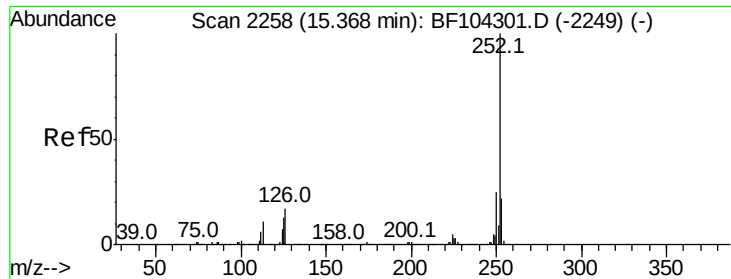
Tot Ion:252 Resp: 60128
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 14.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.453 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Tgt Ion:252 Resp: 60128
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 14.1 10.2 15.2

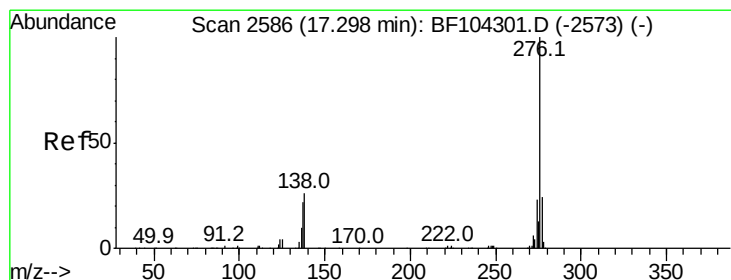
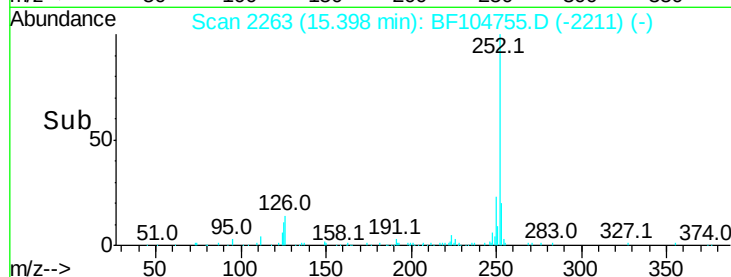
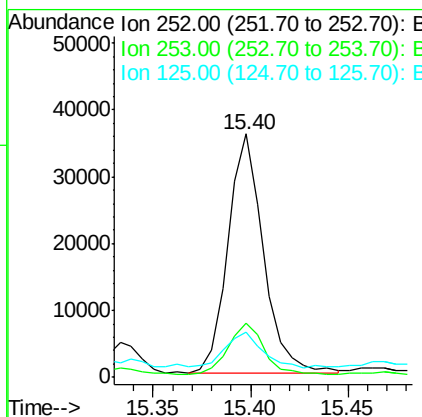
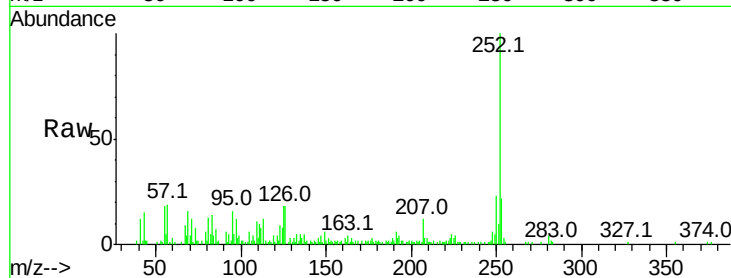




#89
Benzo(a)pyrene
Concen: 2.714 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 44800
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 18.4 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.764 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BF104755.D
Acq: 24 Apr 2018 14:46

Tgt Ion:276 Resp: 36295
Ion Ratio Lower Upper
276 100
277 23.9 17.9 26.9
138 25.6 21.8 32.8

