

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
 Data File : BF104284.D
 Acq On : 5 Apr 2018 21:53
 Operator : JU/SJ
 Sample : J2239-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 01:10:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	111532	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	509204	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	240682	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	429838	20.00	ng	0.00
75) Chrysene-d12	14.13	240	306518	20.00	ng	-0.01
86) Perylene-d12	15.67	264	252700	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1011609	144.65	ng	-0.01
7) Phenol-d6	6.59	99	1288699	149.77	ng	-0.02
23) Nitrobenzene-d5	7.52	82	843756	101.34	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	361737	134.98	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1422437	93.20	ng	0.00
78) Terphenyl-d14	13.06	244	1215614	91.57	ng	0.00

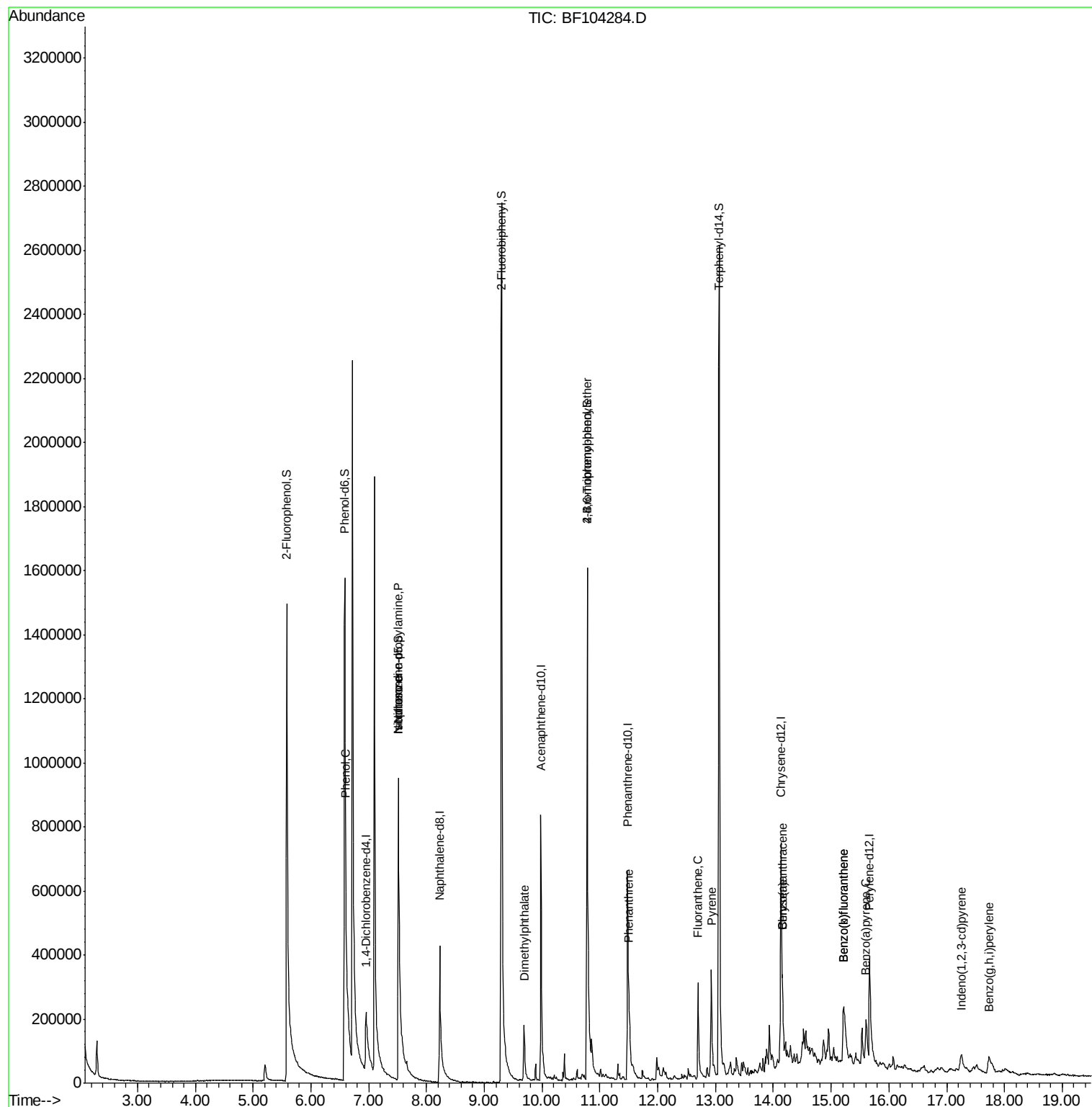
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	1580	Below Cal		# 1
10) Phenol	6.60	94	22540	2.364	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	94524	18.511	ng	# 72
25) Isophorone	7.52	82	860375	56.070	ng	# 64
49) Dimethylphthalate	9.69	163	136722	7.195	ng	# 99
66) 4-Bromophenyl-phenylether	10.78	248	21784	4.737	ng	# 1
70) Phenanthrene	11.50	178	96744	4.157	ng	# 98
74) Fluoranthene	12.70	202	204583	8.270	ng	# 97
77) Pyrene	12.93	202	205319	9.318	ng	# 98
80) Benzo(a)anthracene	14.16	228	126037	6.571	ng	# 94
82) Chrysene	14.16	228	126037	6.709	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.26	276	70622	3.628	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	183871	11.956	ng	# 98
88) Benzo(k)fluoranthene	15.22	252	183871	12.692	ng	# 99
89) Benzo(a)pyrene	15.61	252	112623	7.902	ng	# 97
91) Benzo(g,h,i)perylene	17.73	276	75375	5.711	ng	# 96

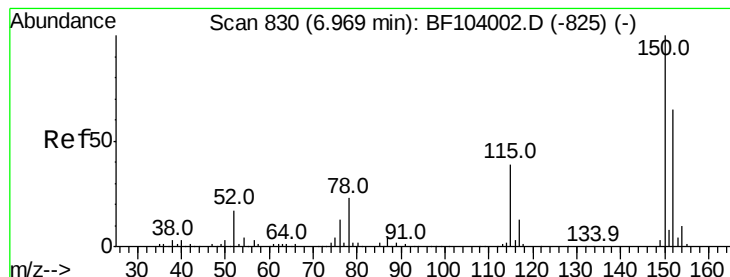
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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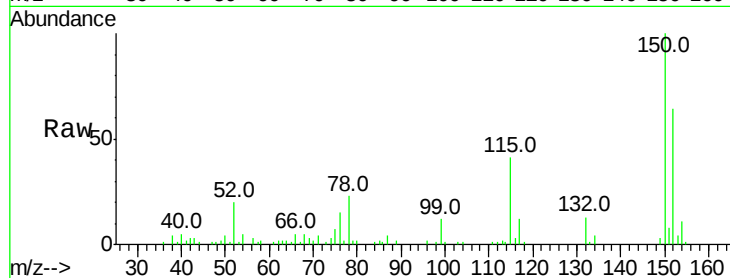


#1

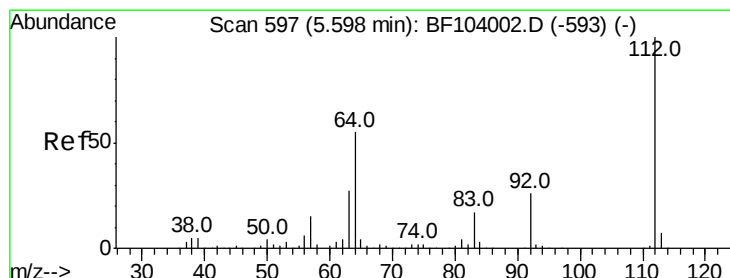
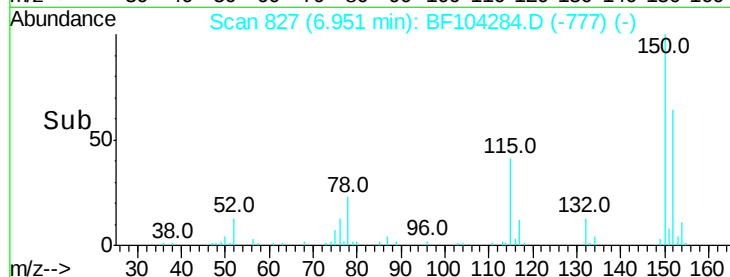
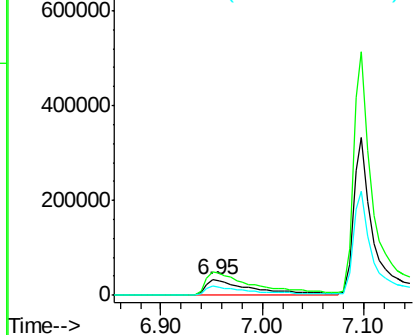
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111532
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 63.5 50.1 75.1



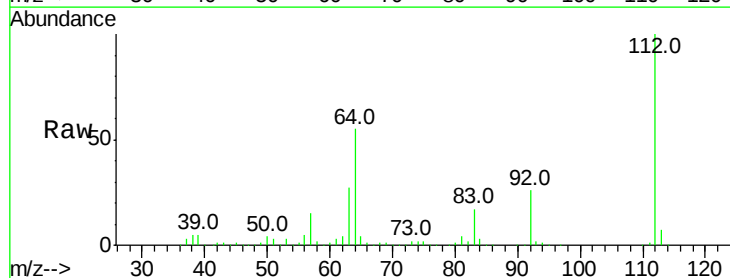
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



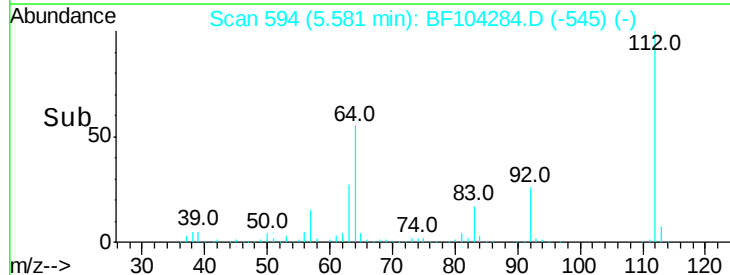
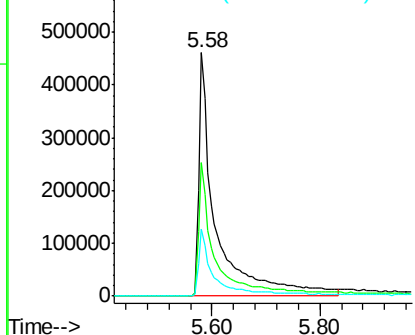
#5

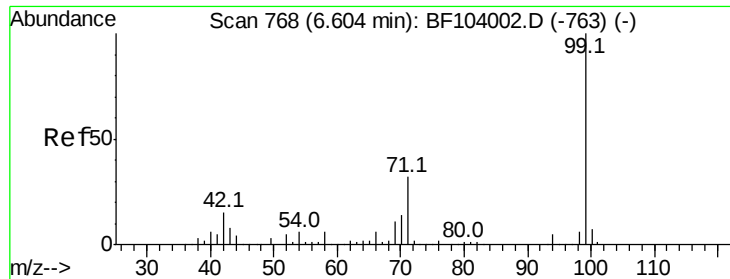
2-Fluorophenol
Concen: 144.646 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

Tgt Ion:112 Resp: 1011609
Ion Ratio Lower Upper
112 100
64 54.9 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: 149.773 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

Instrument :

BNA_F

ClientSampleId :

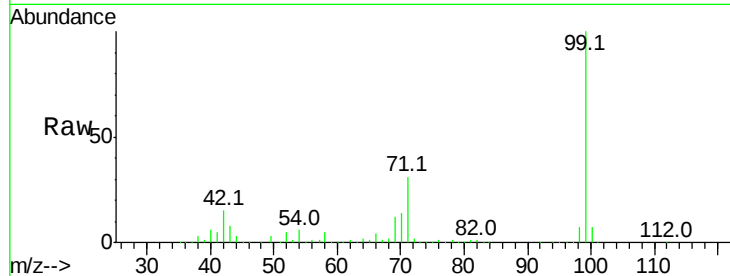
Tot Ion: 99 Resp: 1288699

Ion Ratio Lower Upper

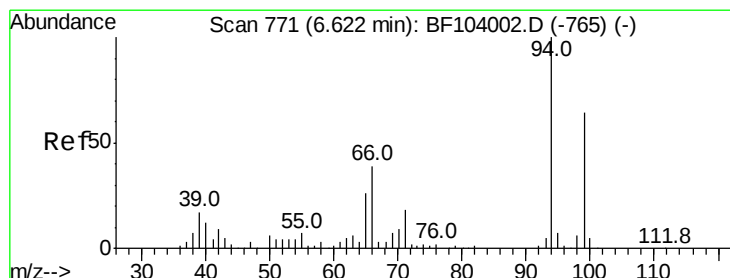
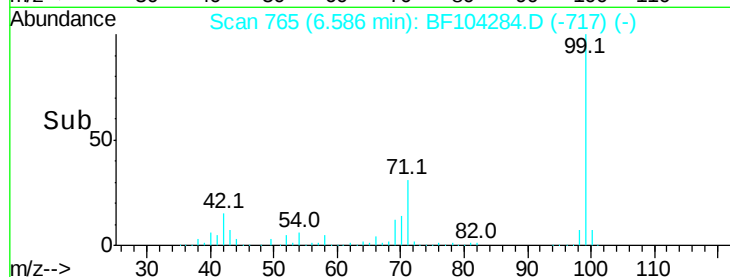
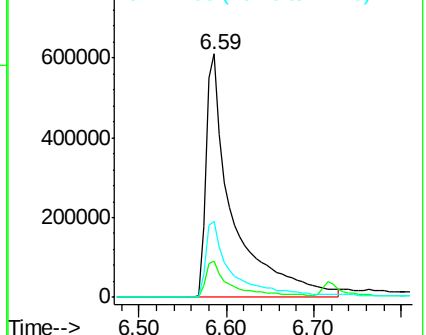
99 100

42 14.7 14.5 21.7

71 31.4 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



#10

Phenol

Concen: 2.364 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

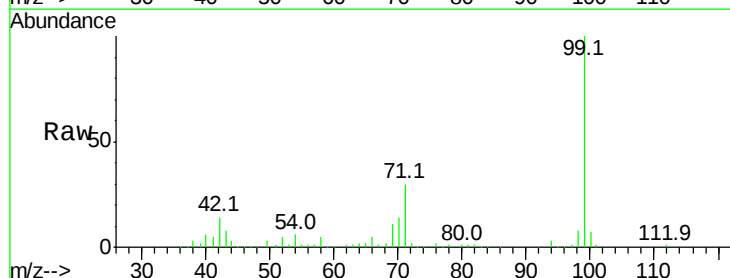
Tgt Ion: 94 Resp: 22540

Ion Ratio Lower Upper

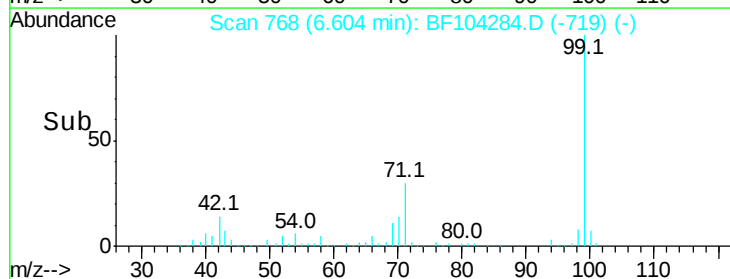
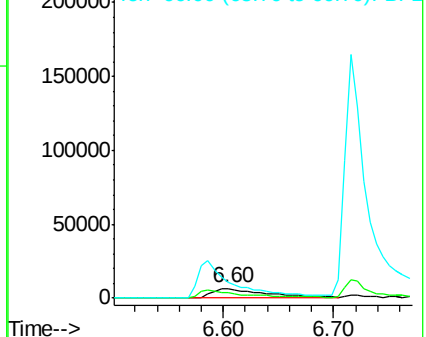
94 100

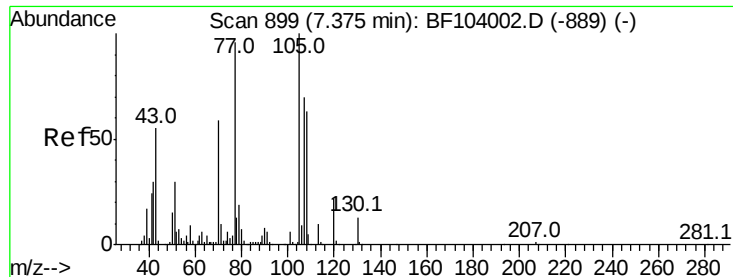
65 59.1 7.9 47.9#

66 170.6 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

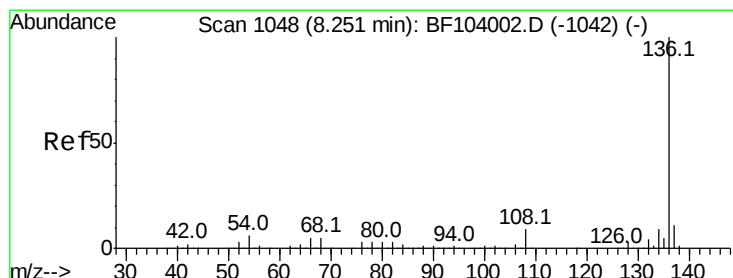
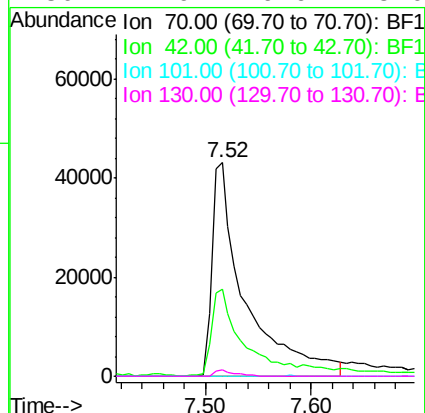
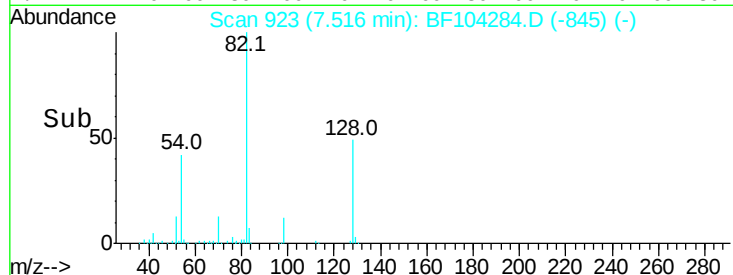
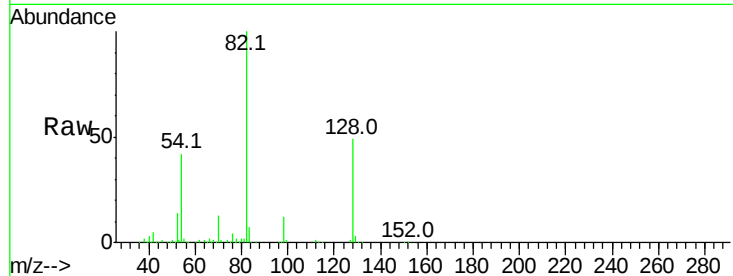




#19
n-Nitroso-di-n-propylamine
Concen: 18.511 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.16 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

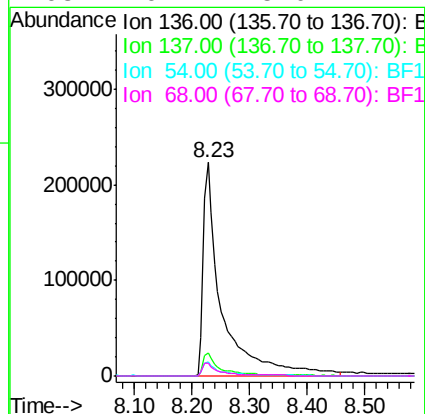
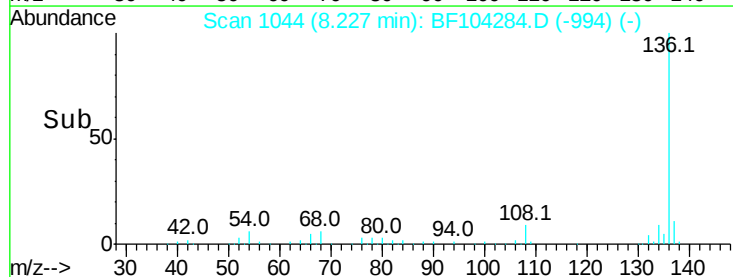
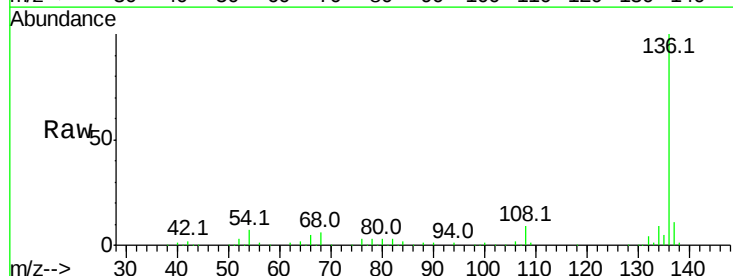
Instrument :
BNA_F
ClientSampleId :

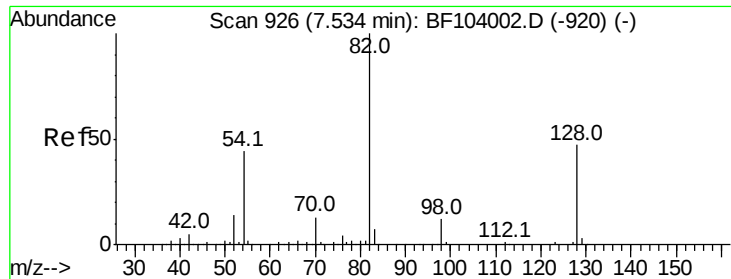
Tot Ion: 70 Resp: 94524
Ion Ratio Lower Upper
70 100
42 40.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

Tgt Ion: 136 Resp: 509204
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.7 6.6 9.8
68 6.1 5.0 7.4

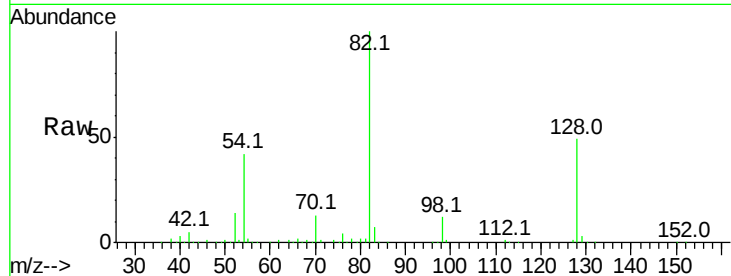




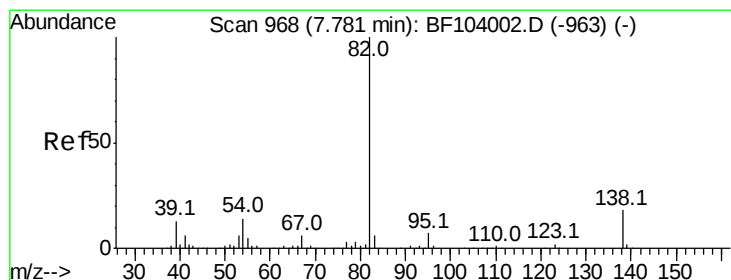
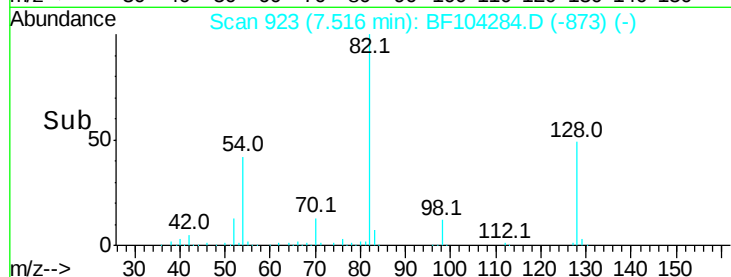
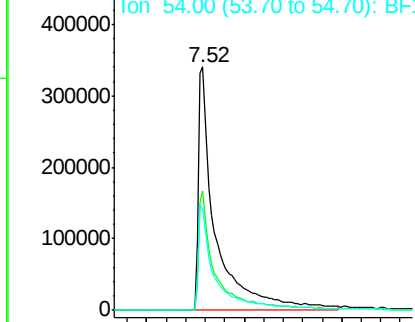
#23
 Nitrobenzene-d5
 Concen: 101.335 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	843756
Ion Ratio	Lower	Upper	
82	100		
128	48.9	36.1	54.1
54	41.9	41.4	62.2

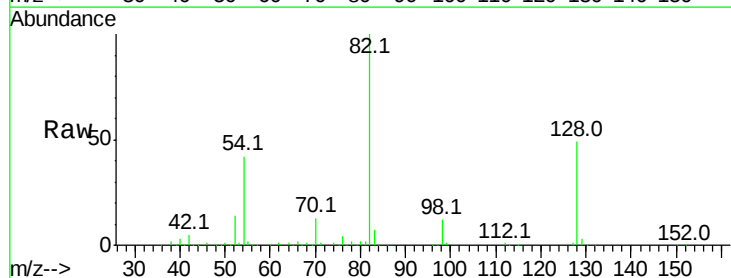


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

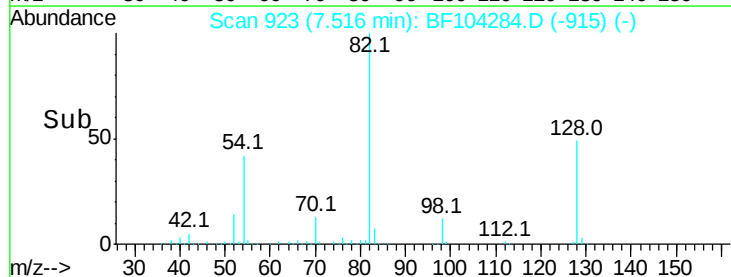
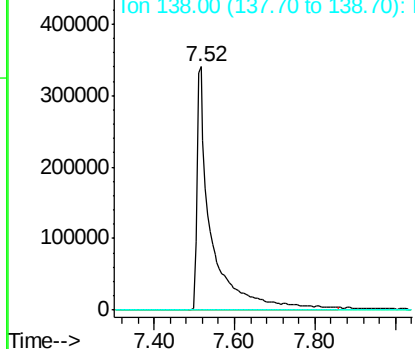


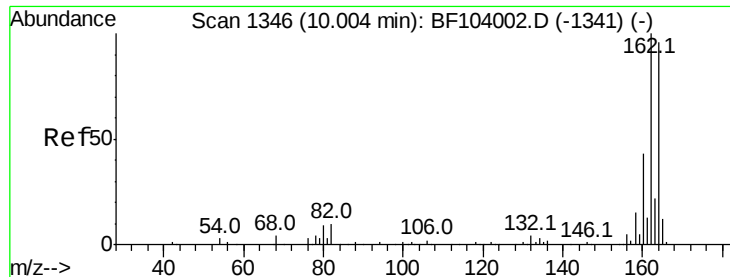
#25
 Isophorone
 Concen: 56.070 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.25 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

Tgt Ion	82	Resp	860375
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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

Instrument :

BNA_F

ClientSampleId :

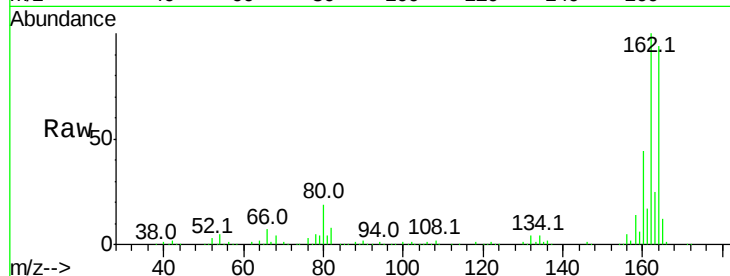
Tot Ion:164 Resp: 240682

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

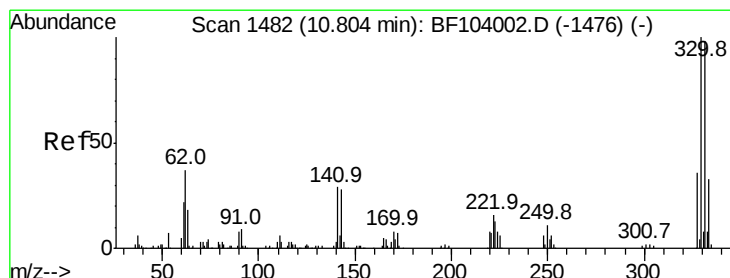
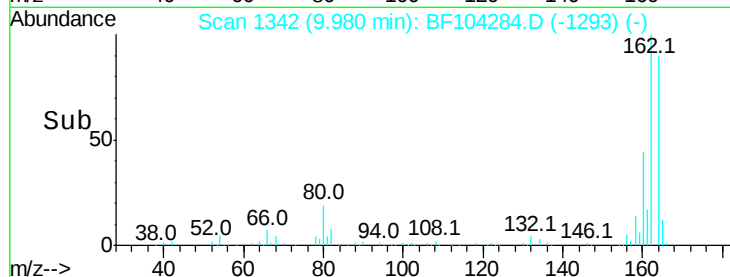
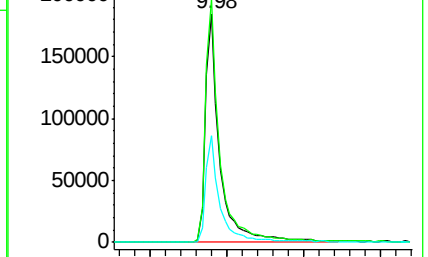
160 46.6 38.3 57.5



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: 134.977 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

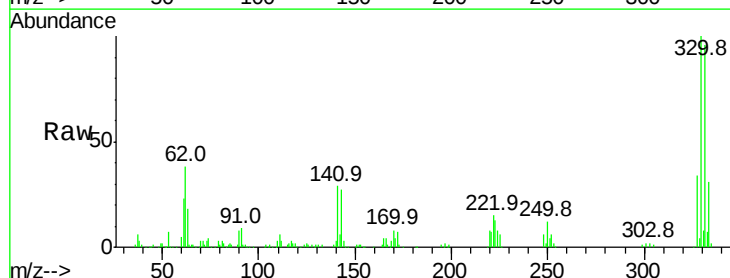
Tgt Ion:330 Resp: 361737

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

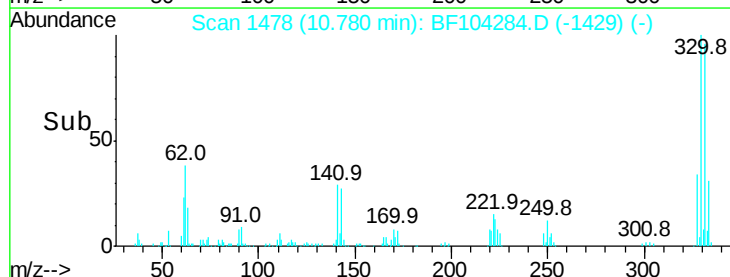
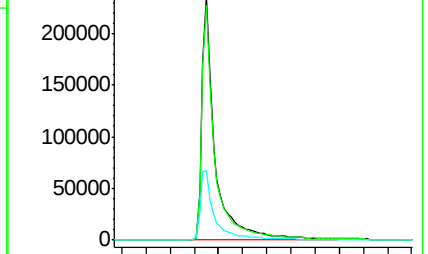
141 30.8 29.9 44.9

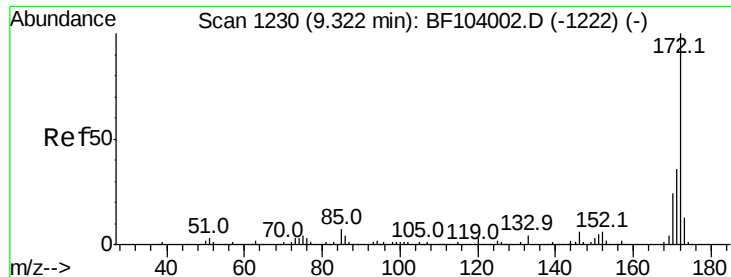


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



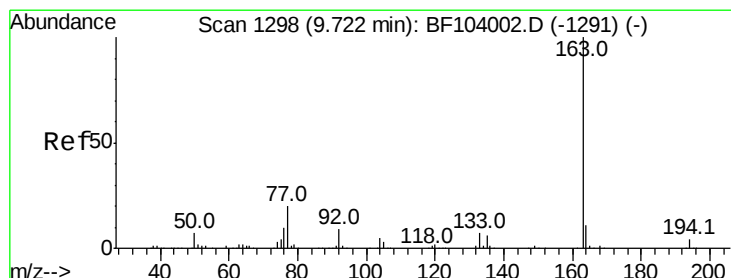
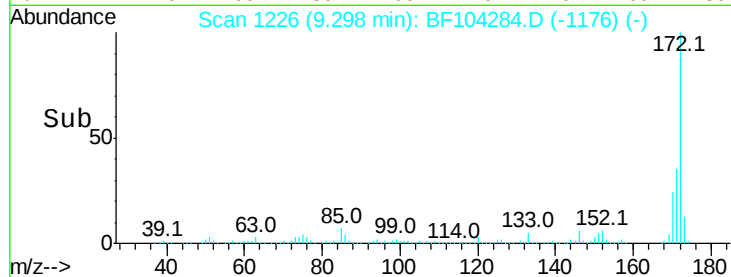
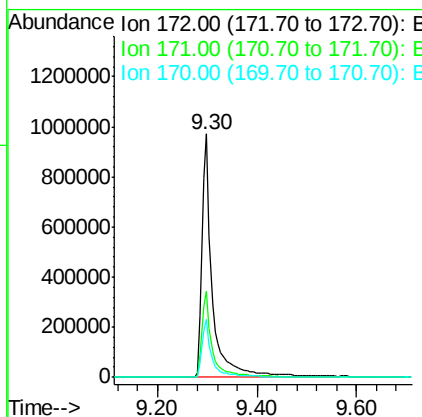
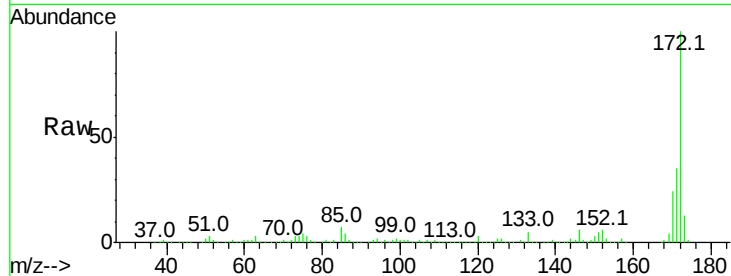


#44
 2-Fluorobiphenyl
 Concen: 93.196 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1422437

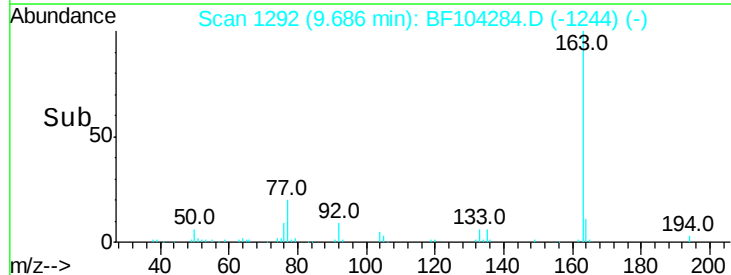
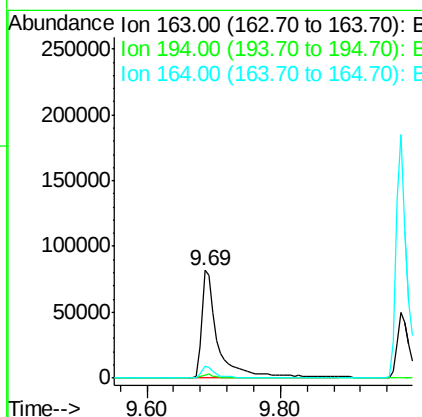
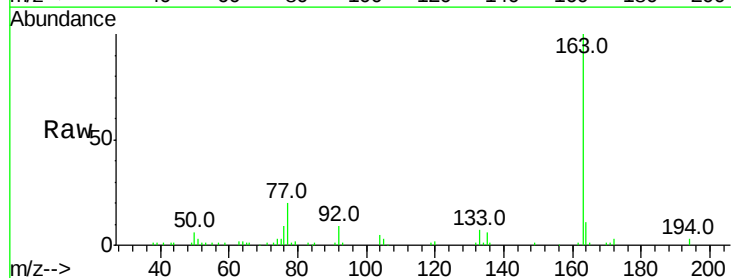
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.6	19.6	29.4

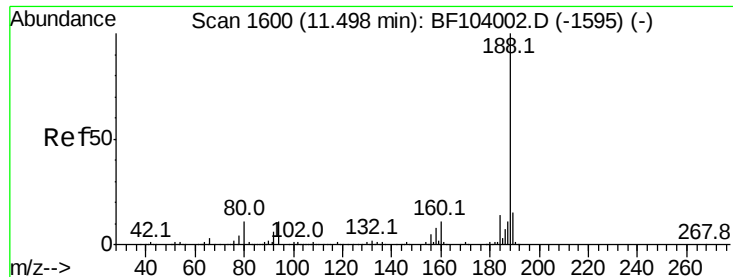


#49
 Dimethylphthalate
 Concen: 7.195 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

Tgt Ion:163 Resp: 136722

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.6	8.2	12.2

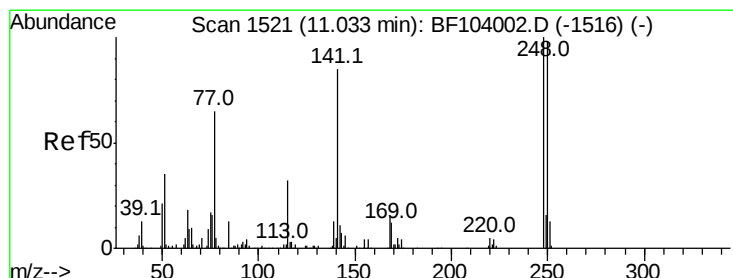
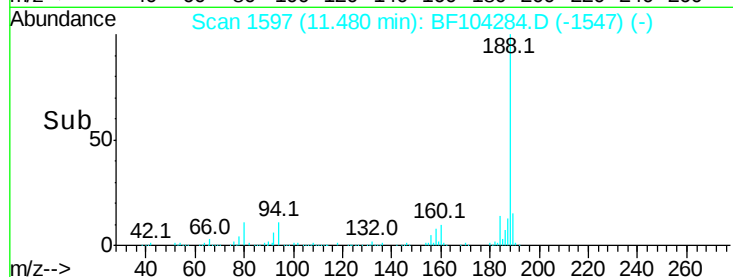
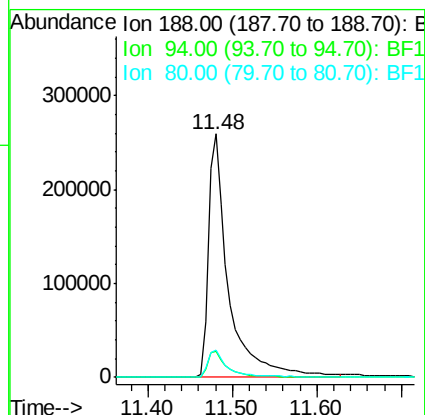
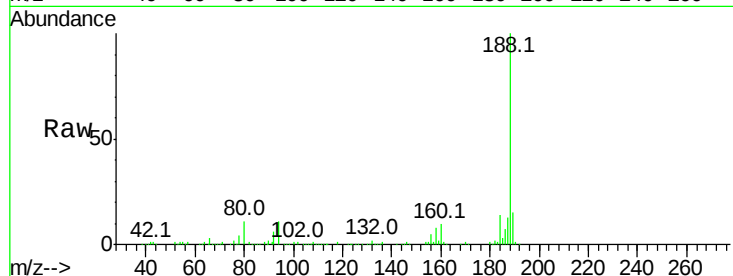




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

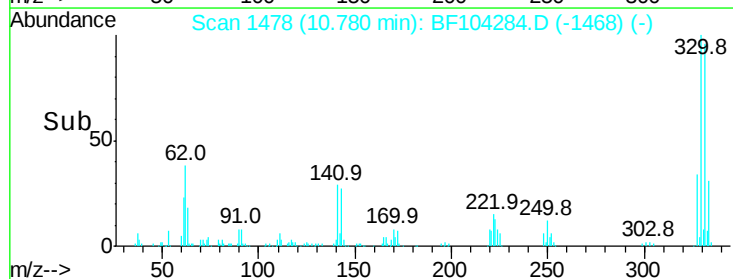
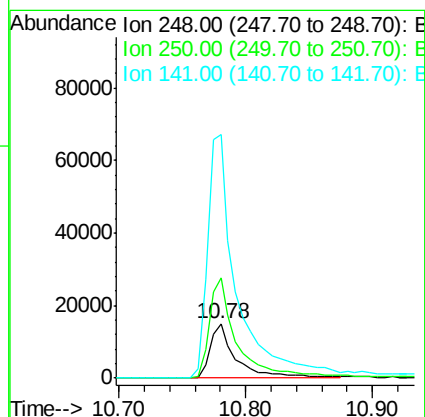
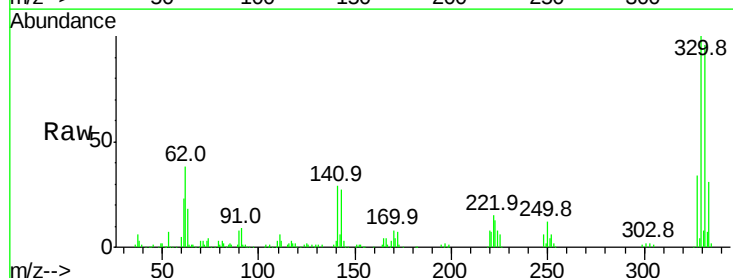
Instrument :
BNA_F
ClientSampleId :

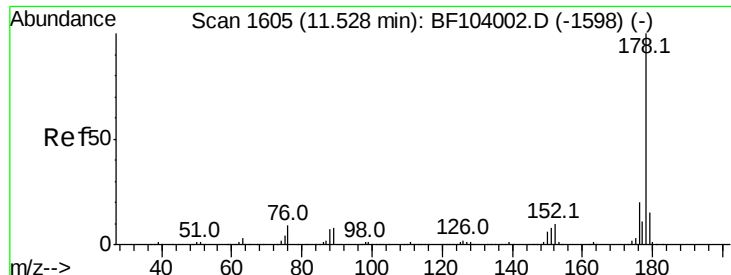
Tot Ion:188 Resp: 429838
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.737 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

Tgt Ion:248 Resp: 21784
Ion Ratio Lower Upper
248 100
250 185.3 76.9 115.3#
141 448.0 74.4 111.6#

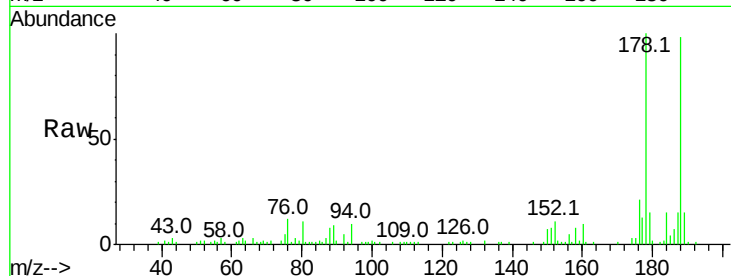




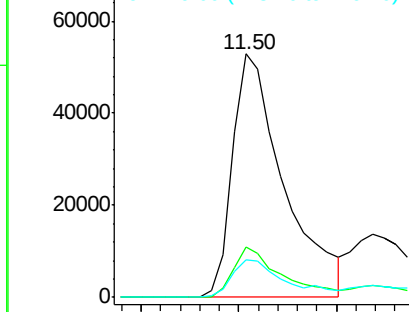
#70
Phenanthrene
Concen: 4.157 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

Instrument :
BNA_F
ClientSampleId :

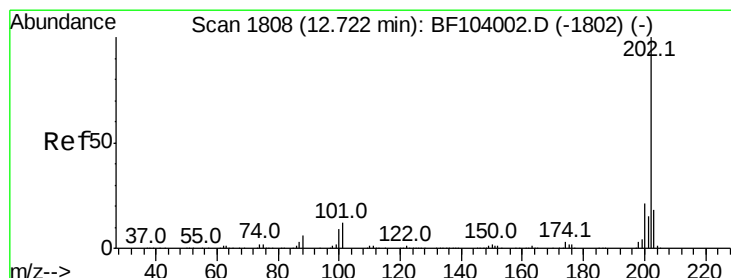
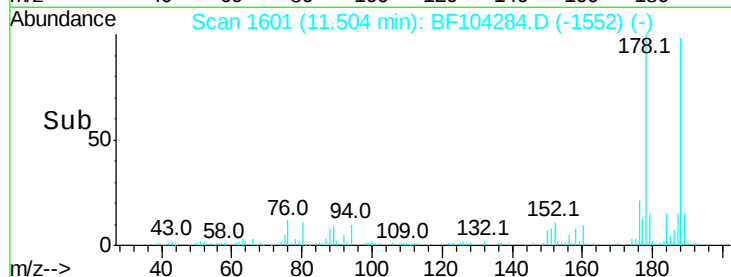
Tot Ion:178 Resp: 96744
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 15.5 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

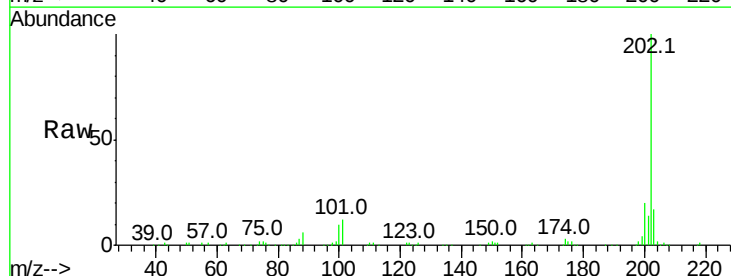


Time-->

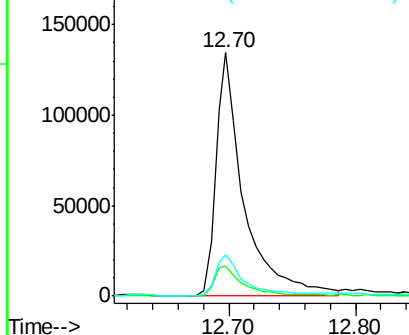


#74
Fluoranthene
Concen: 8.270 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

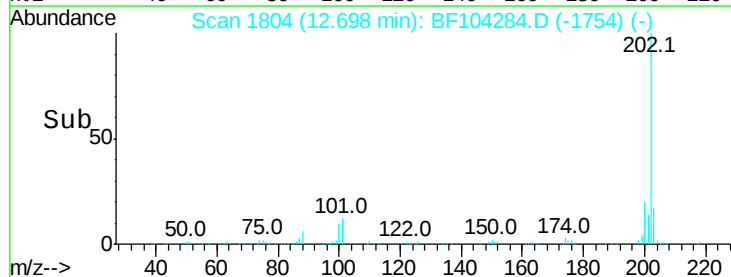
Tgt Ion:202 Resp: 204583
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.1
203 17.1 0.0 38.1

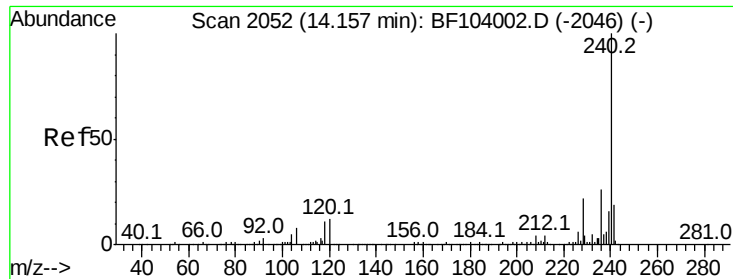


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

Instrument :

BNA_F

ClientSampleId :

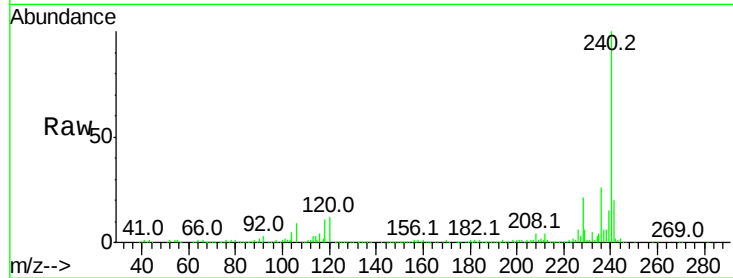
Tot Ion:240 Resp: 306518

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

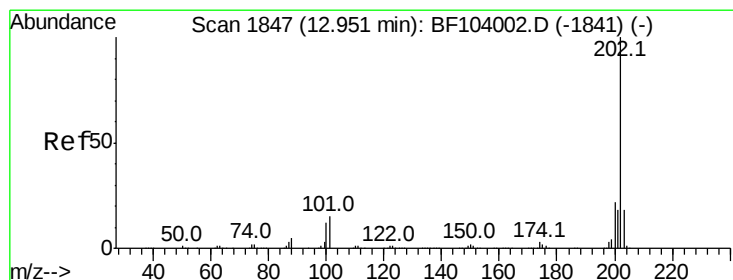
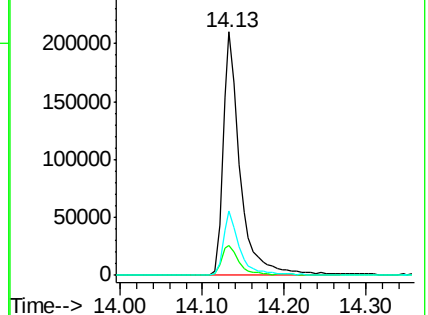
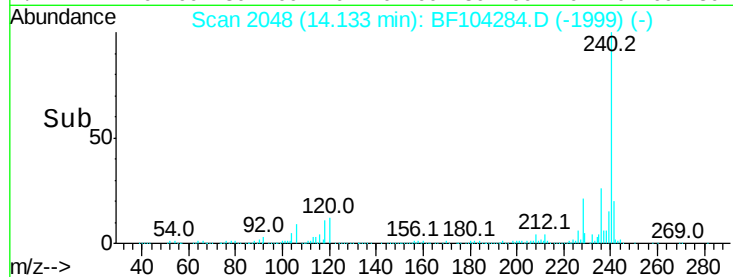
236 26.5 20.7 31.1



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

Pyrene

Concen: 9.318 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

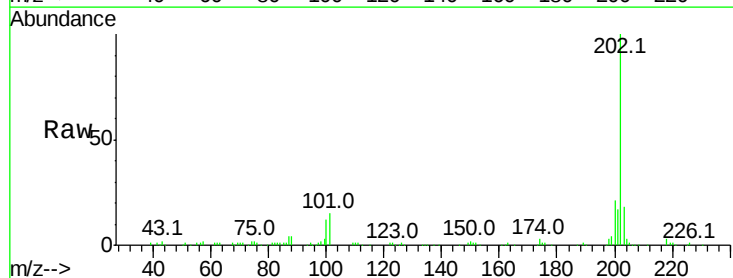
Tgt Ion:202 Resp: 205319

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

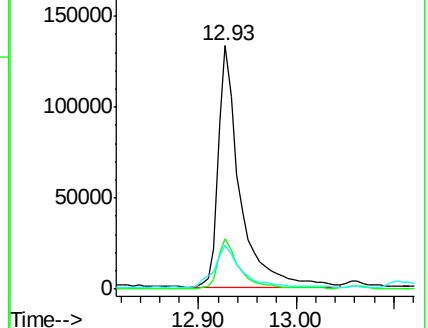
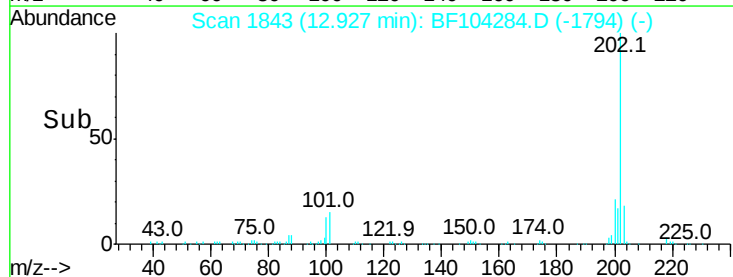
203 18.1 14.3 21.5

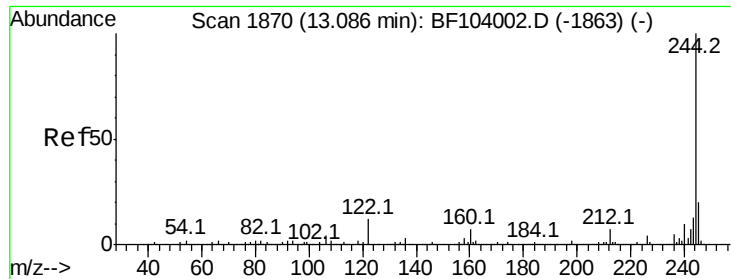


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 91.570 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

Instrument :

BNA_F

ClientSampleId :

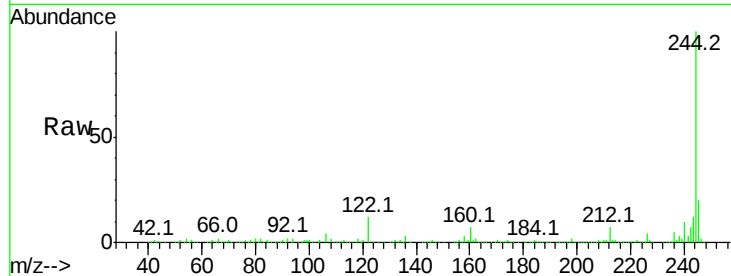
Tot Ion:244 Resp: 1215614

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

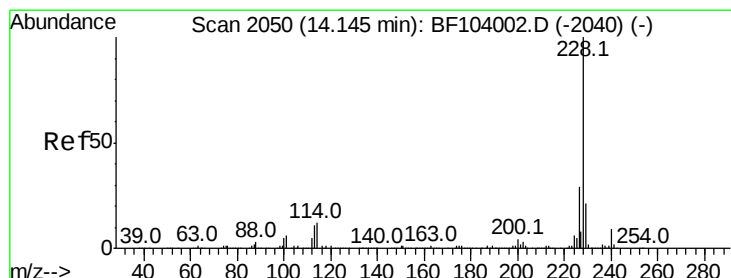
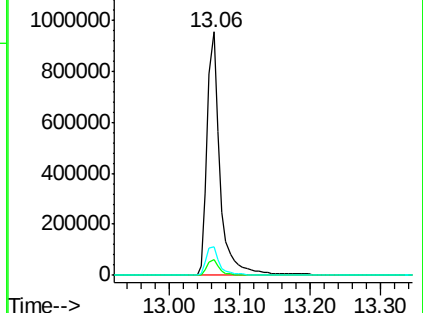
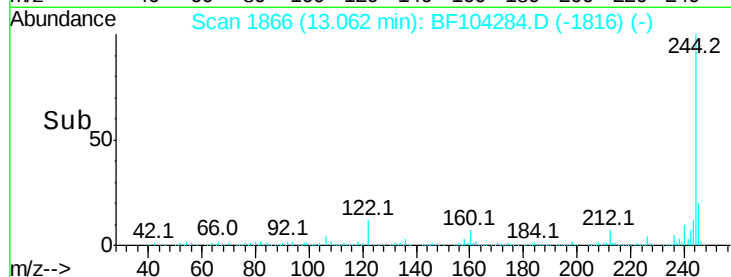
122 12.0 11.0 16.4



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: 6.571 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.03 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

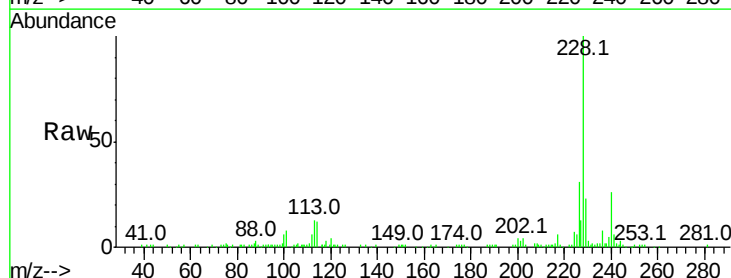
Tgt Ion:228 Resp: 126037

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

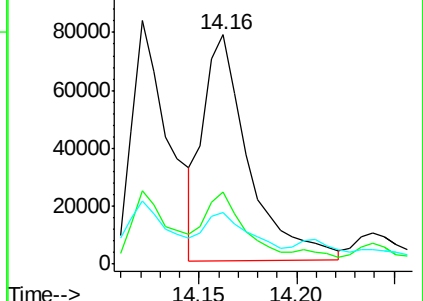
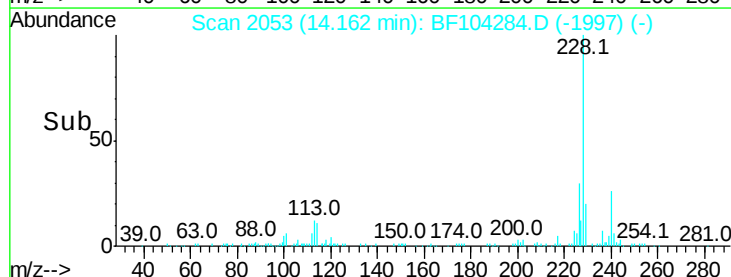
229 22.7 15.8 23.6

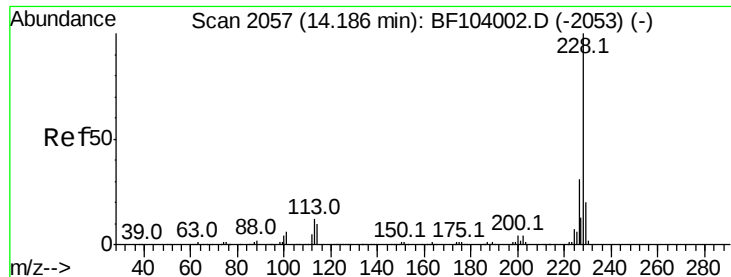


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.709 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

Instrument :

BNA_F

ClientSampled :

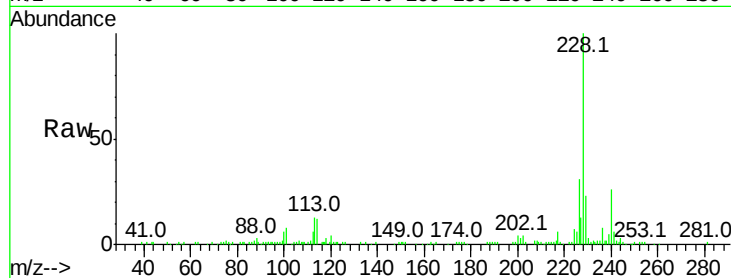
Tot Ion:228 Resp: 126037

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

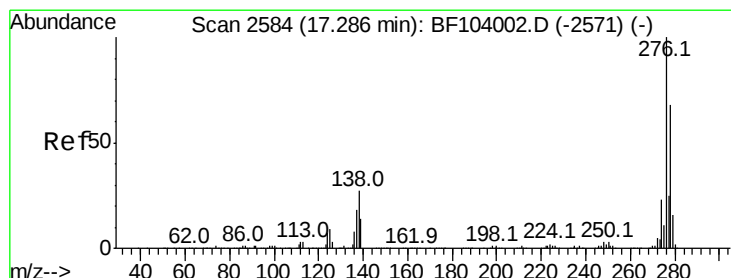
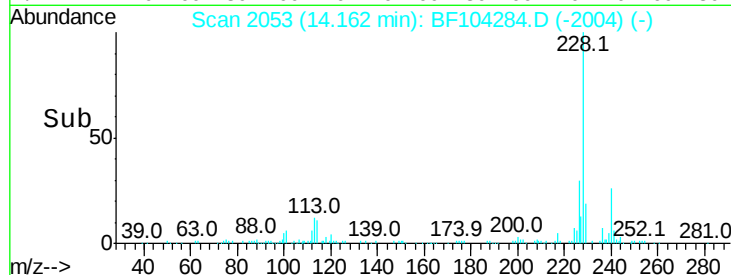
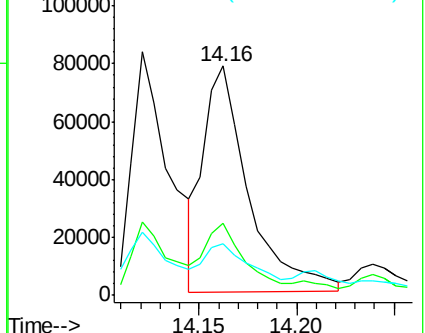
229 22.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.628 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BF104284.D

Acq: 5 Apr 2018 21:53

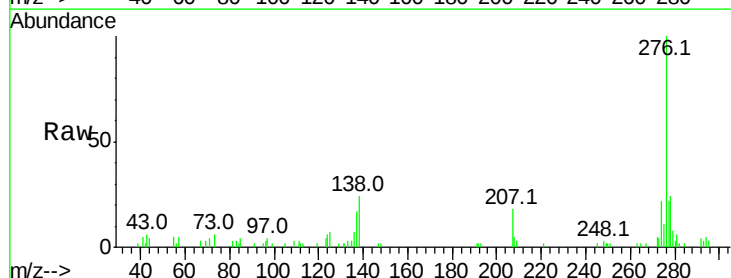
Tgt Ion:276 Resp: 70622

Ion Ratio Lower Upper

276 100

138 18.9 25.0 37.6#

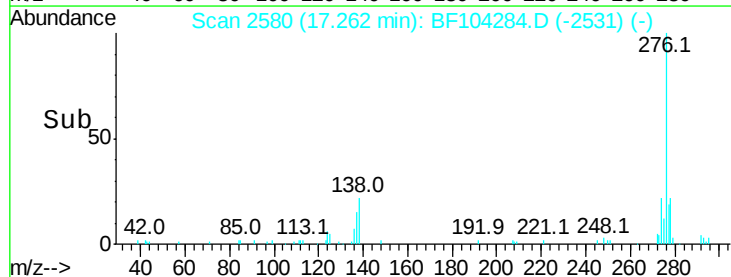
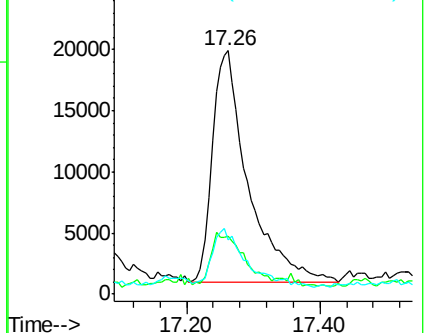
277 24.4 20.1 30.1

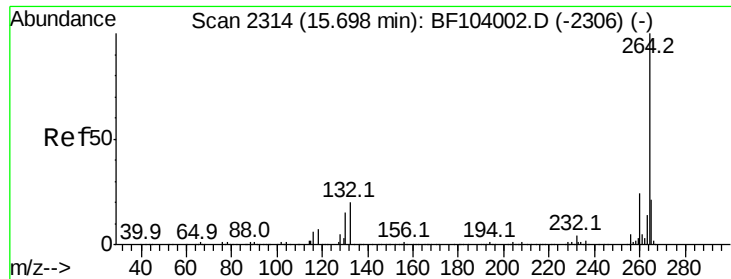


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

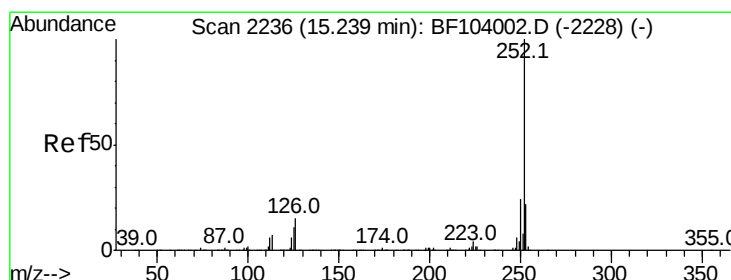
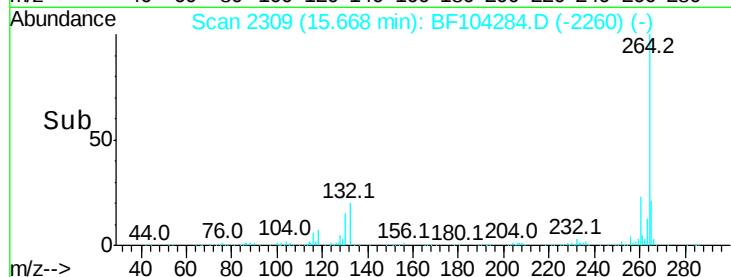
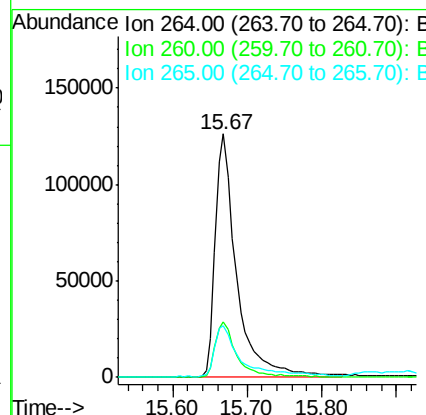
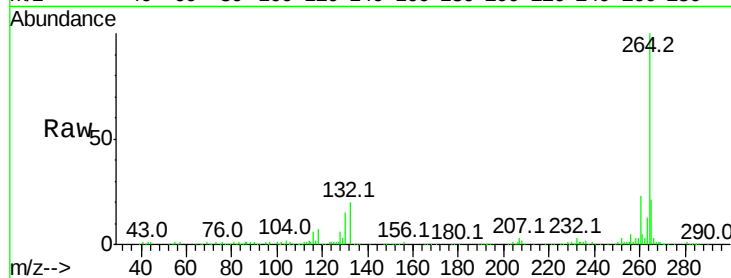




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

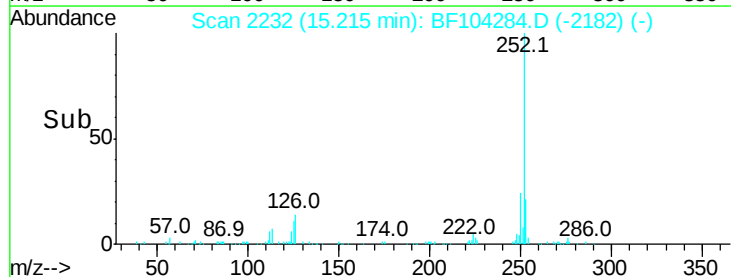
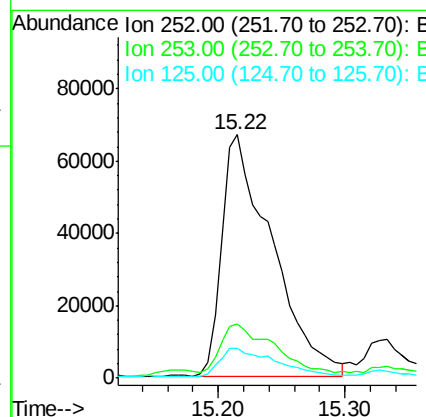
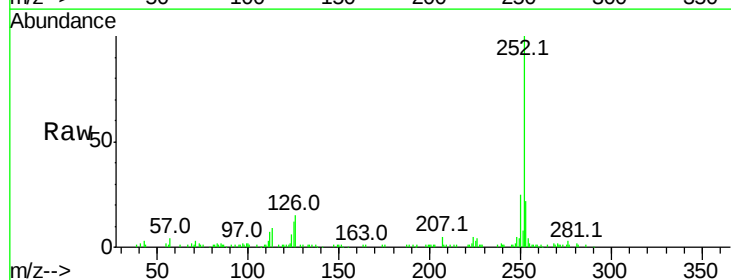
Instrument :
 BNA_F
 ClientSampleId :

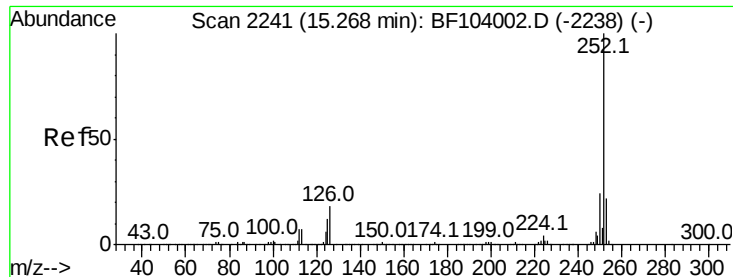
Tot Ion:264 Resp: 252700
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 21.1 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 11.956 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. -0.01 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

Tgt Ion:252 Resp: 183871
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.0 25.6
 125 12.1 9.0 13.6

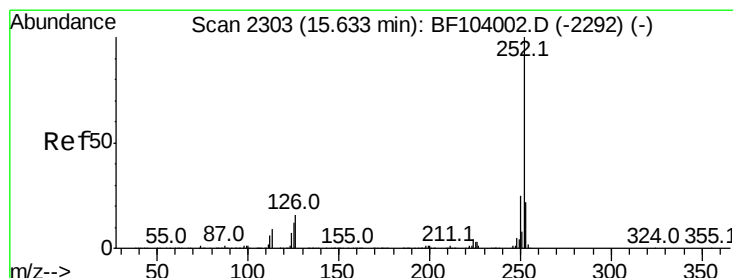
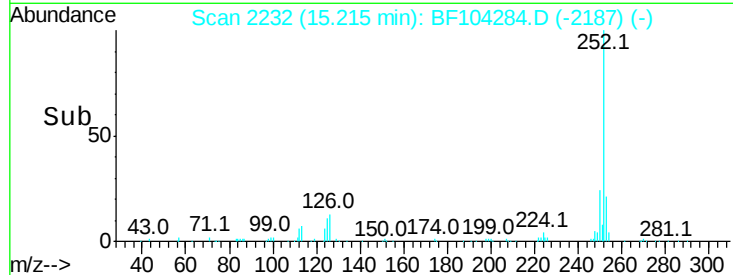
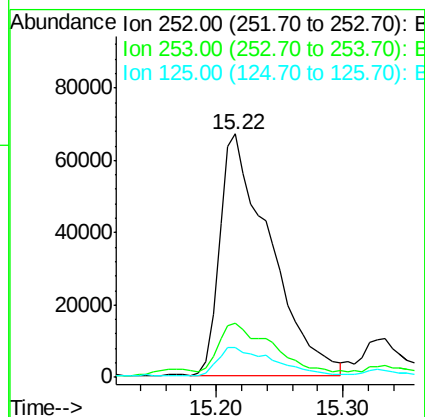
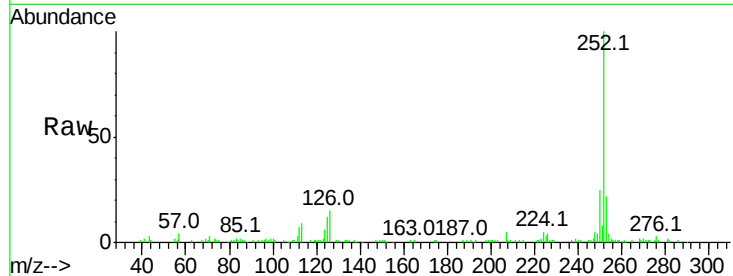




#88
Benzo(k)fluoranthene
Concen: 12.692 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

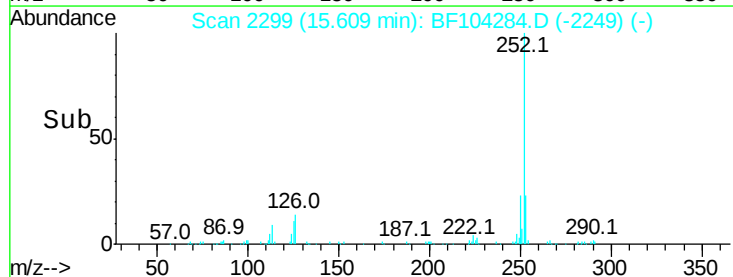
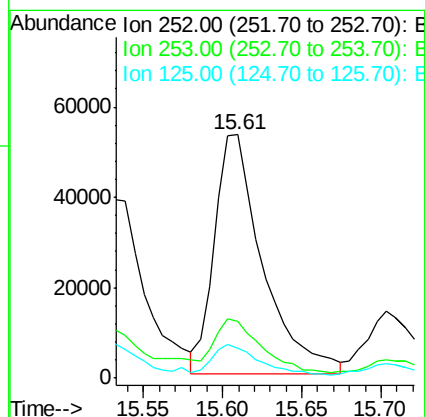
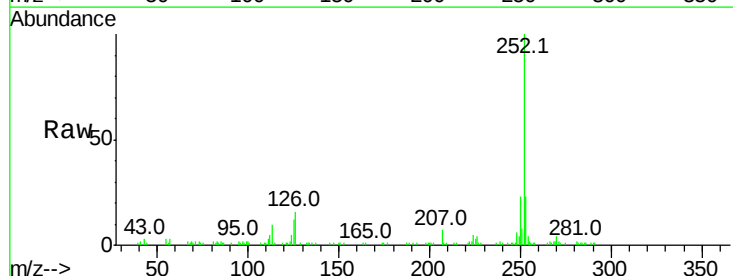
Instrument :
BNA_F
ClientSampleId :

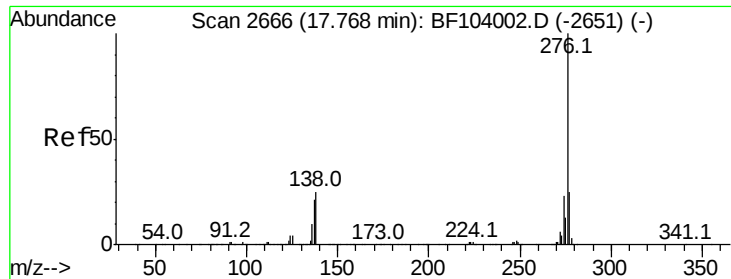
Tot Ion:252 Resp: 183871
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 12.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 7.902 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF104284.D
Acq: 5 Apr 2018 21:53

Tgt Ion:252 Resp: 112623
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 12.5 9.8 14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.711 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. -0.02 min
 Lab File: BF104284.D
 Acq: 5 Apr 2018 21:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	26.7	21.8	32.8

