

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104072.D
 Acq On : 30 Mar 2018 1:47
 Operator : JU/SJ
 Sample : J2048-01DL 20X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:51:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	86440	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	378692	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	171890	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	270161	20.00	ng	0.00
75) Chrysene-d12	14.16	240	186574	20.00	ng	0.00
86) Perylene-d12	15.71	264	200562	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	3786	0.70	ng	0.06
7) Phenol-d6	6.66	99	17783	2.67	ng	0.05
23) Nitrobenzene-d5	7.56	82	13313	2.15	ng	0.02
41) 2,4,6-Tribromophenol	10.80	330	6241	3.26	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	47948	4.40	ng	0.00
78) Terphenyl-d14	13.09	244	34105	4.22	ng	0.00

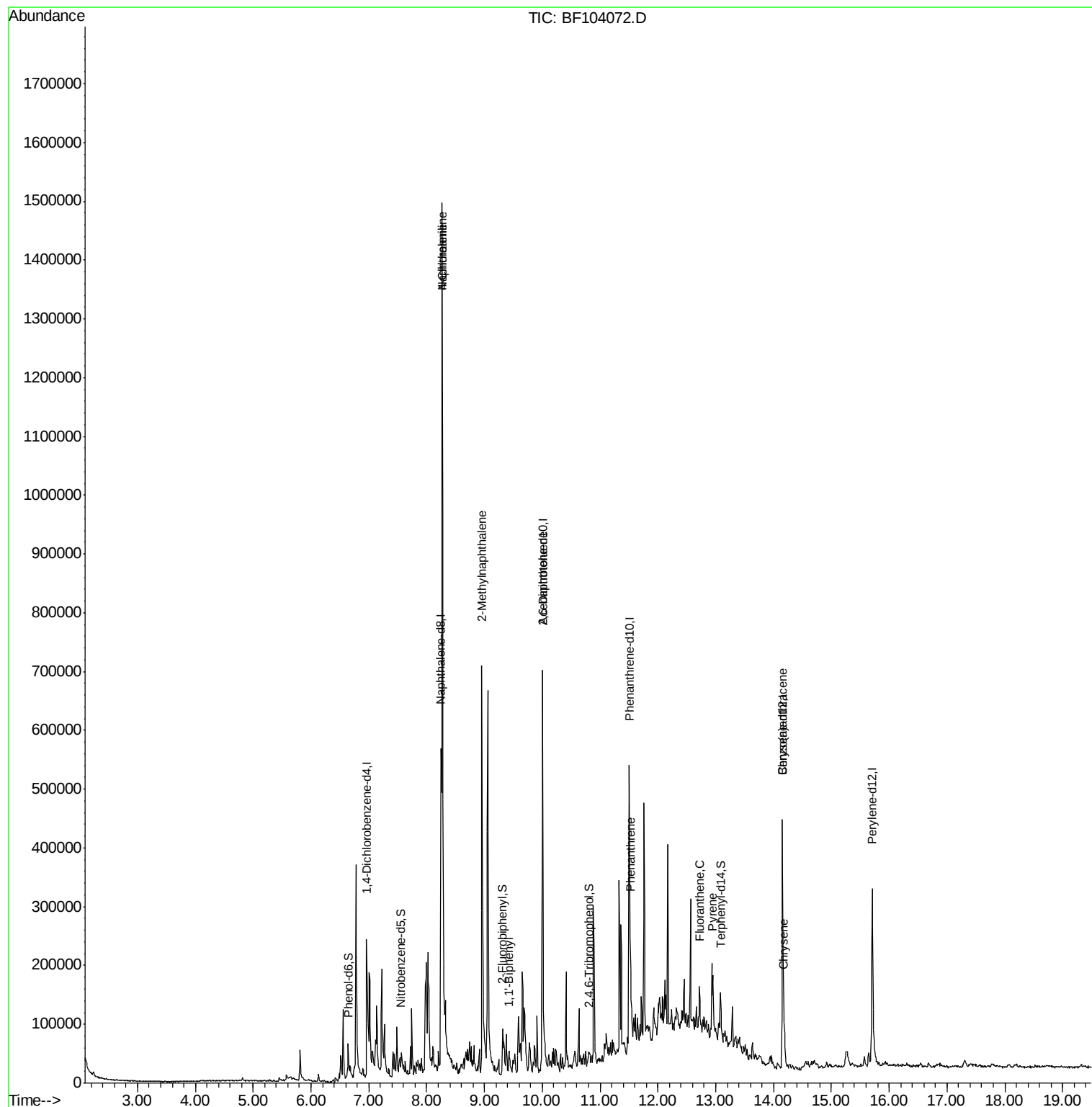
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.27	128	910995	49.242	ng	99
33) 4-Chloroaniline	8.27	127	120542	15.455	ng	# 31
37) 2-Methylnaphthalene	8.96	142	281708	23.117	ng	98
45) 1,1'-Biphenyl	9.43	154	30303	2.054	ng	97
50) 2,6-Dinitrotoluene	10.00	165	25066	8.585	ng	# 26
70) Phenanthrene	11.53	178	58530	4.002	ng	98
74) Fluoranthene	12.72	202	40375	2.597	ng	99
77) Pyrene	12.95	202	60855	4.537	ng	99
80) Benzo(a)anthracene	14.15	228	23912	2.048	ng	99
82) Chrysene	14.19	228	25068	2.192	ng	98

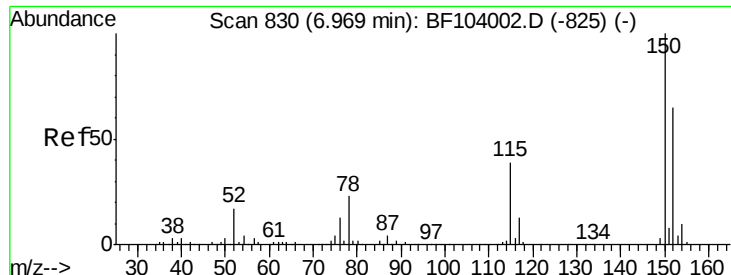
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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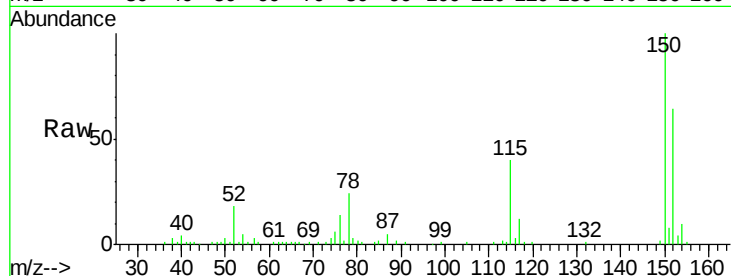


#1

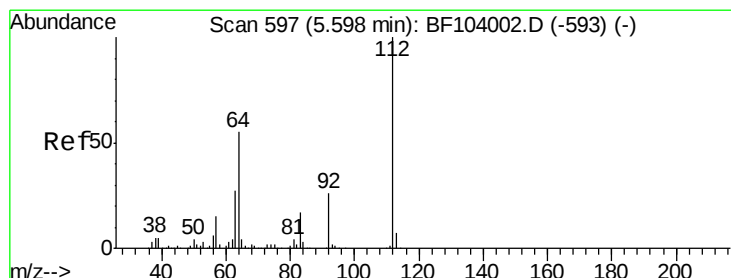
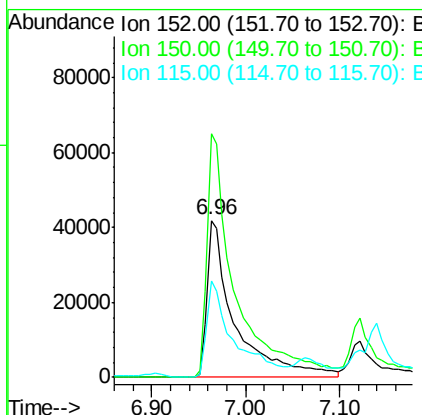
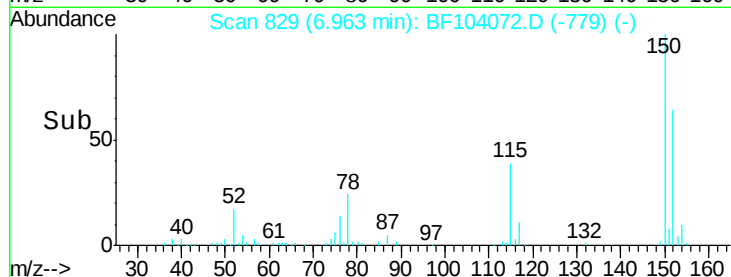
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104072.D
 Acq: 30 Mar 2018 1:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 86440
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.6 186.8
 115 61.7 50.1 75.1



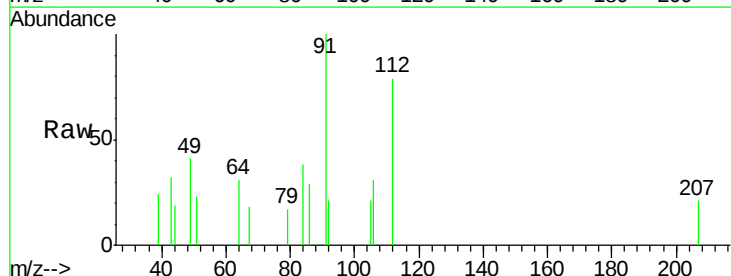
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



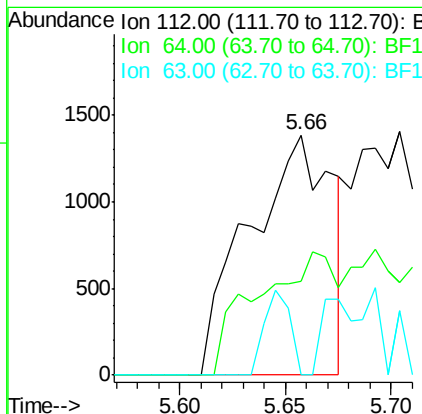
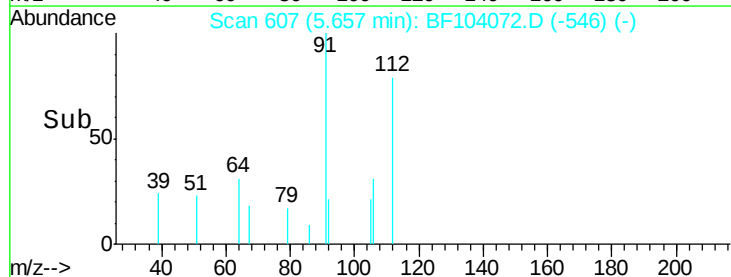
#5

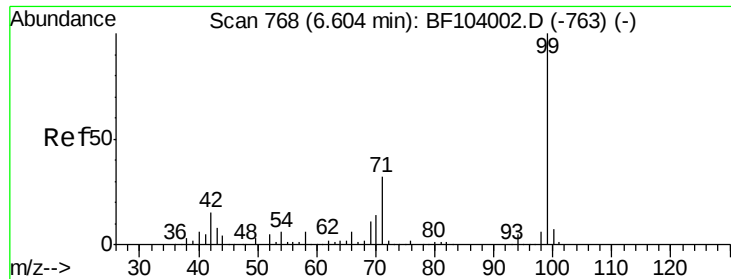
2-Fluorophenol
 Concen: 0.698 ng
 RT: 5.66 min Scan# 607
 Delta R.T. 0.06 min
 Lab File: BF104072.D
 Acq: 30 Mar 2018 1:47

Tgt Ion:112 Resp: 3786
 Ion Ratio Lower Upper
 112 100
 64 39.3 47.9 71.9#
 63 0.0 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 2.667 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.05 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

Instrument :

BNA_F

ClientSampleId :

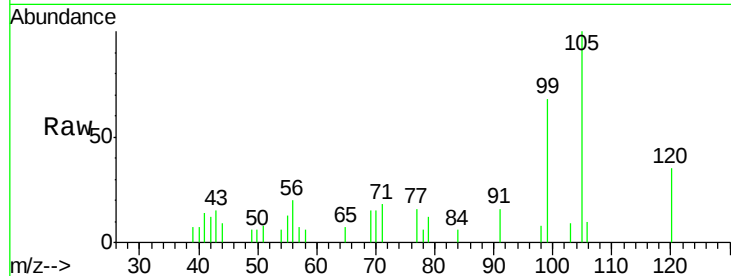
Tot Ion: 99 Resp: 17783

Ion Ratio Lower Upper

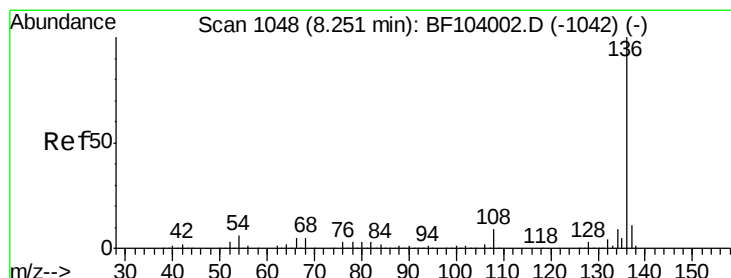
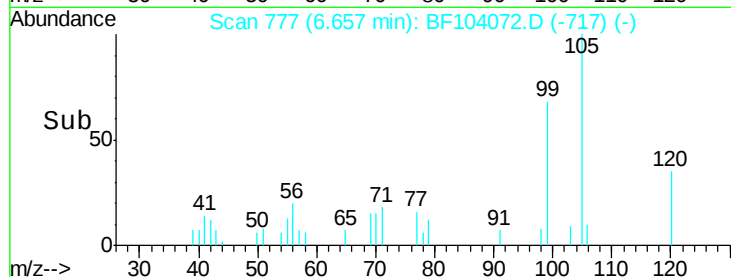
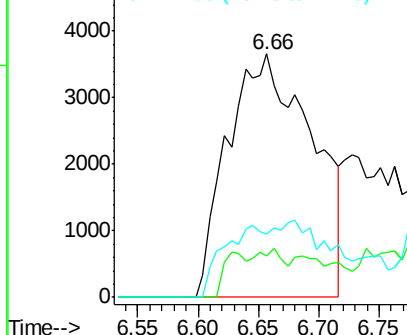
99 100

42 17.1 14.5 21.7

71 26.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

Tgt Ion: 136 Resp: 378692

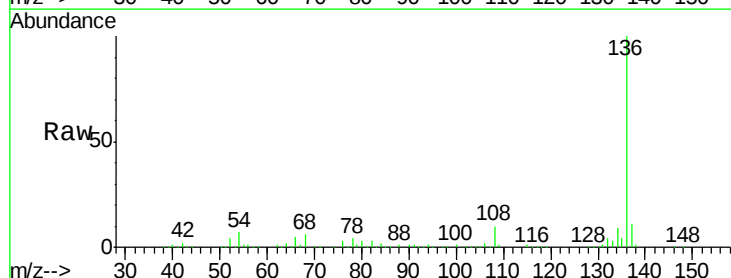
Ion Ratio Lower Upper

136 100

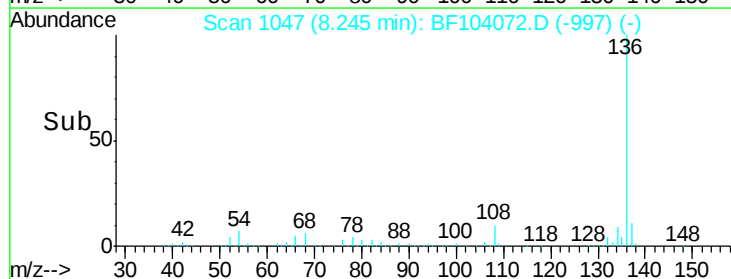
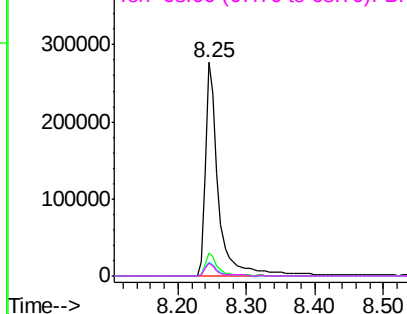
137 10.9 8.9 13.3

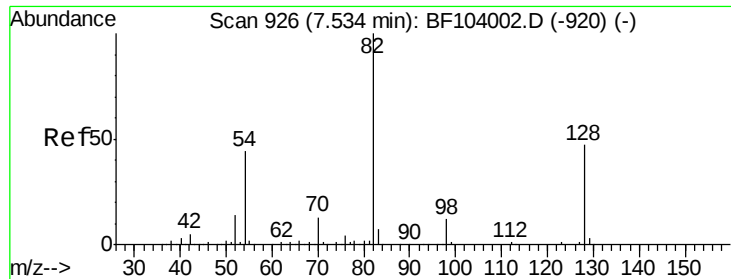
54 6.8 6.6 9.8

68 5.9 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

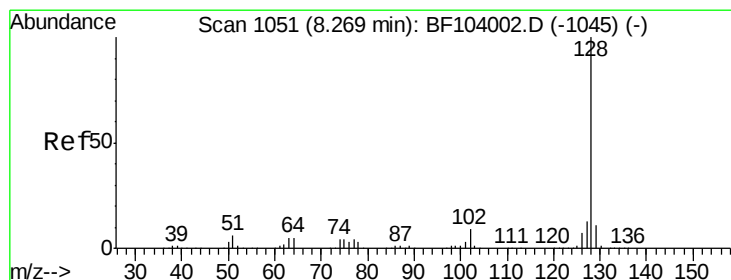
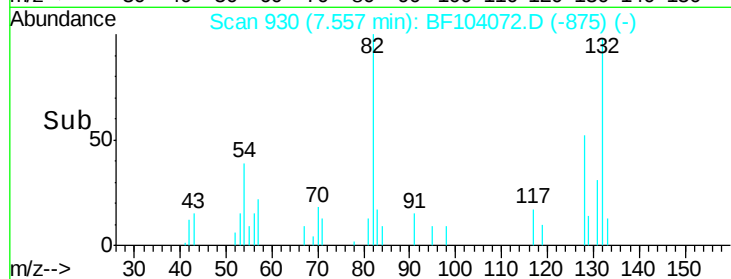
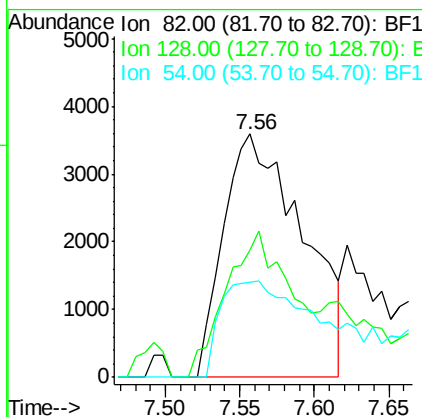
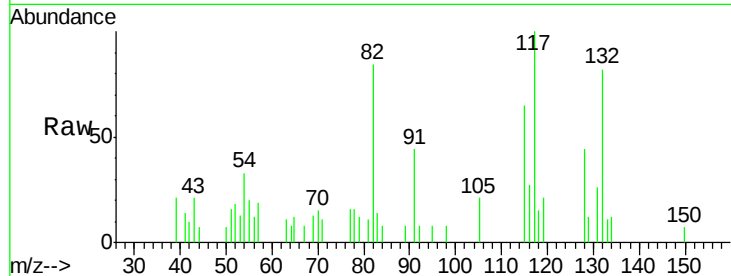




#23
 Nitrobenzene-d5
 Concen: 2.150 ng
 RT: 7.56 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: BF104072.D
 Acq: 30 Mar 2018 1:47

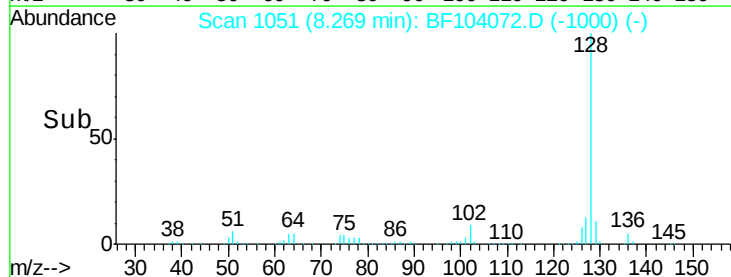
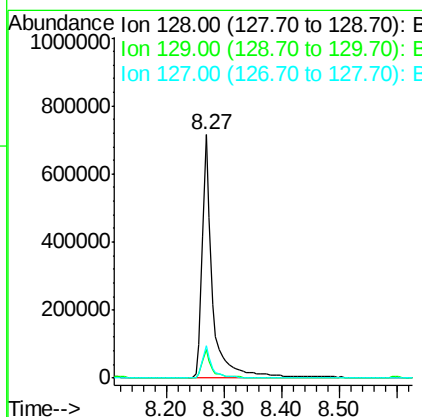
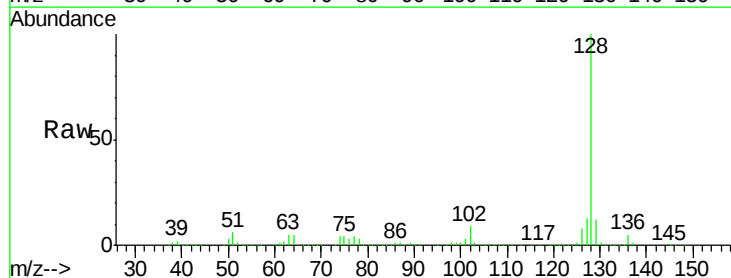
Instrument :
 BNA_F
 ClientSampled :

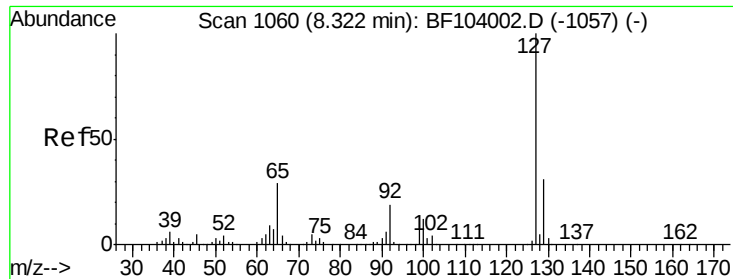
Tot Ion: 82 Resp: 13313
 Ion Ratio Lower Upper
 82 100
 128 52.3 36.1 54.1
 54 39.2 41.4 62.2#



#31
 Naphthalene
 Concen: 49.242 ng
 RT: 8.27 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF104072.D
 Acq: 30 Mar 2018 1:47

Tgt Ion: 128 Resp: 910995
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.8 13.2
 127 13.3 10.9 16.3

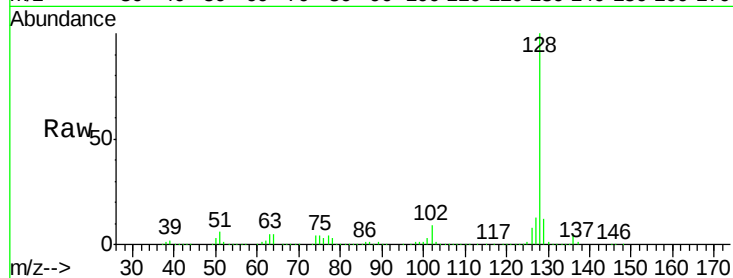




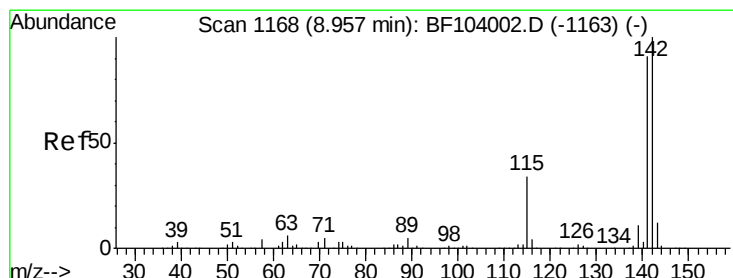
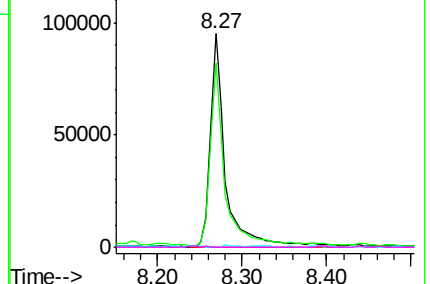
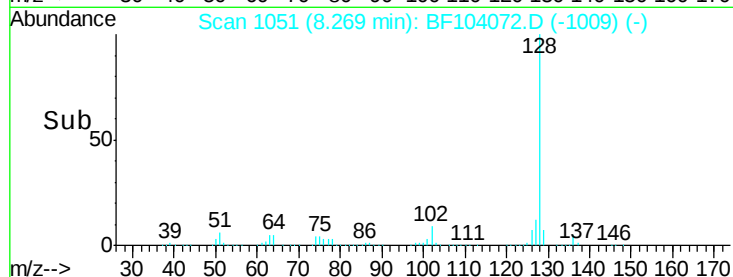
#33
4-Chloroaniline
Concen: 15.455 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.05 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	120542
Ion	Ratio	Lower	Upper
127	100		
129	86.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

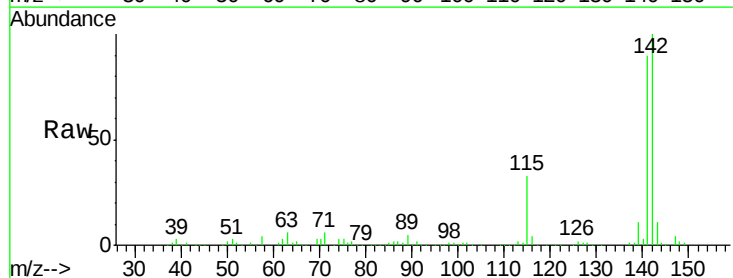


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

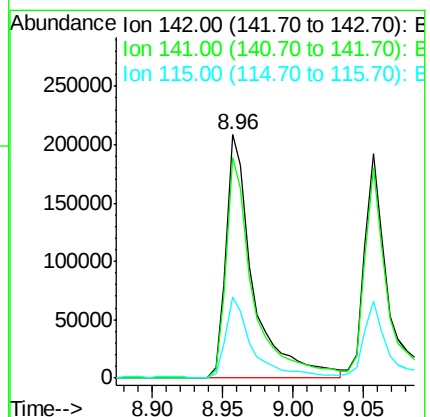
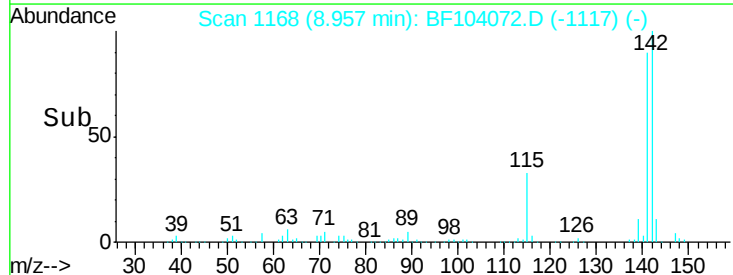


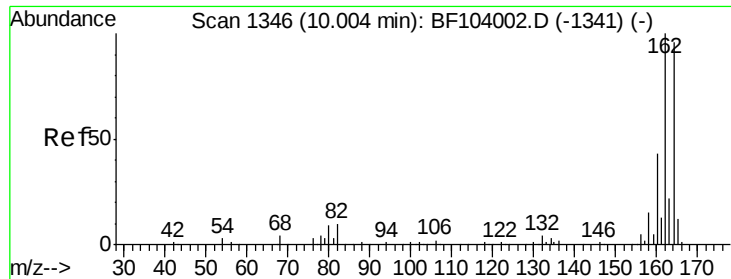
#37
2-Methylnaphthalene
Concen: 23.117 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Tgt Ion:	142	Resp:	281708
Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	33.4	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

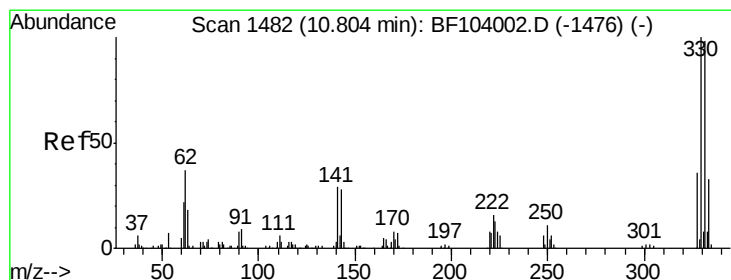
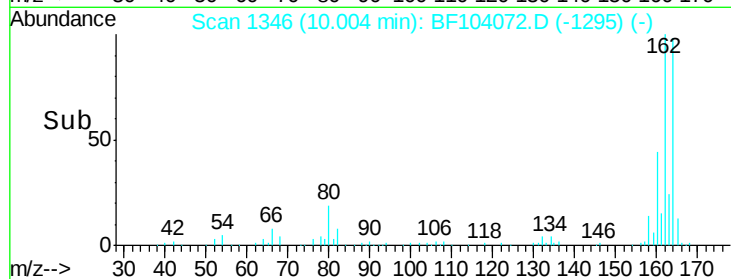
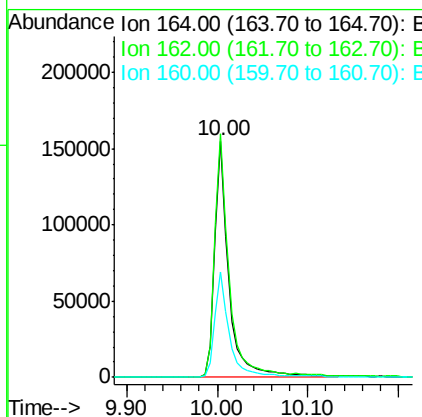
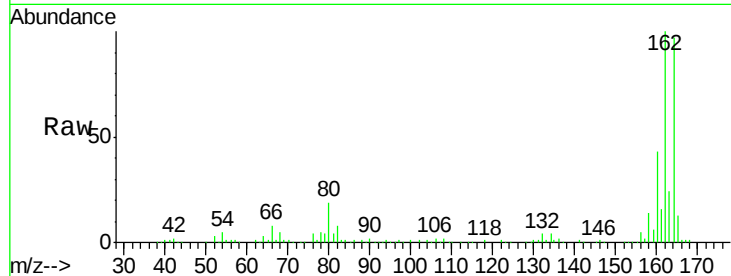




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

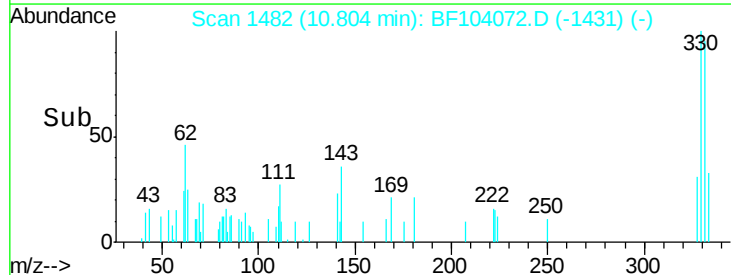
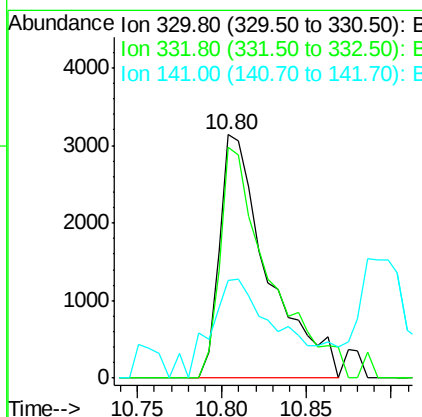
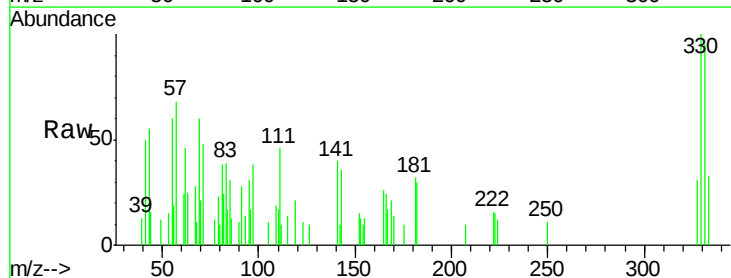
Instrument :
BNA_F
ClientSampleId :

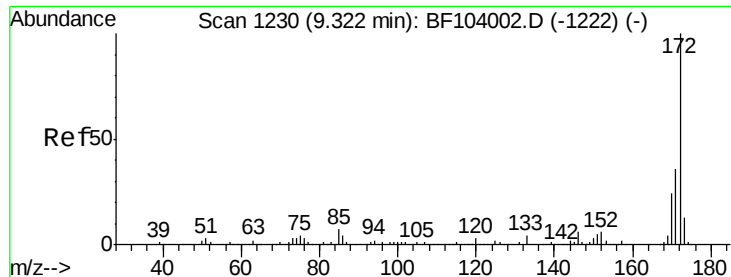
Tot Ion:164 Resp: 171890
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 44.5 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 3.261 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Tgt Ion:330 Resp: 6241
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 57.2 29.9 44.9#

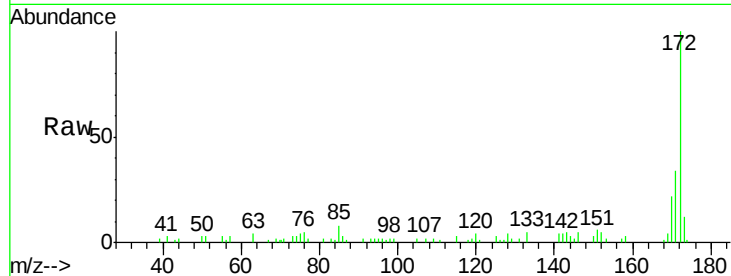




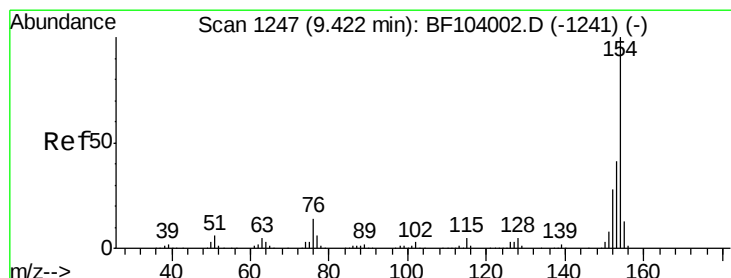
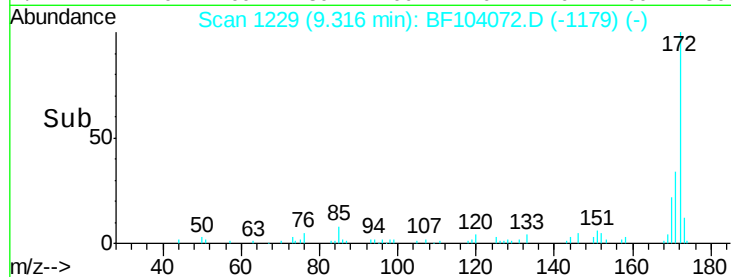
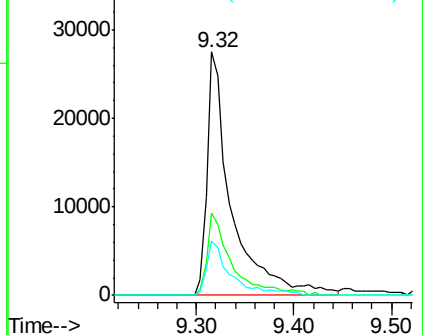
#44
2-Fluorobiphenyl
Concen: 4.399 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 47948
Ion Ratio Lower Upper
172 100
171 33.6 29.7 44.5
170 22.3 19.6 29.4

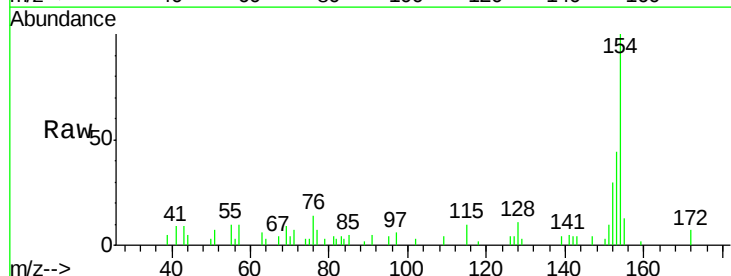


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

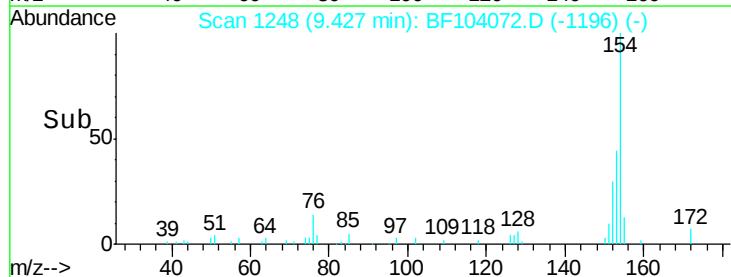
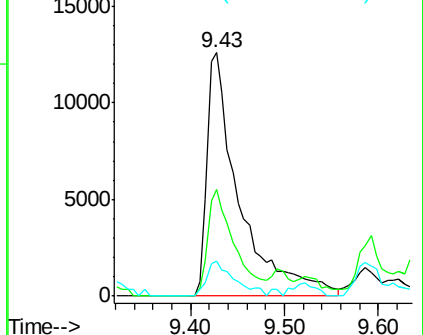


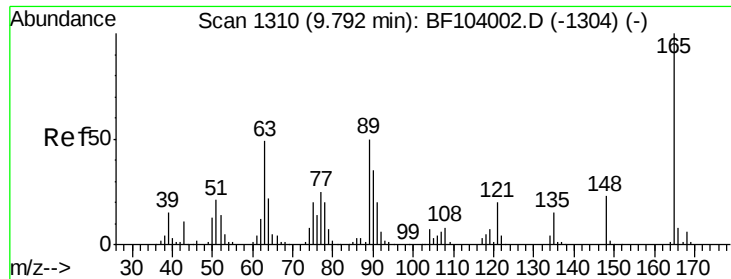
#45
1,1'-Biphenyl
Concen: 2.054 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.01 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Tgt Ion:154 Resp: 30303
Ion Ratio Lower Upper
154 100
153 43.9 21.3 61.3
76 14.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

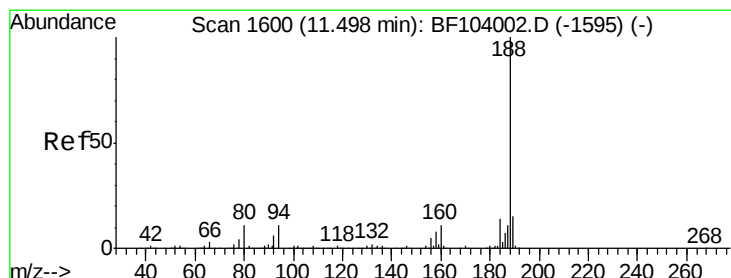
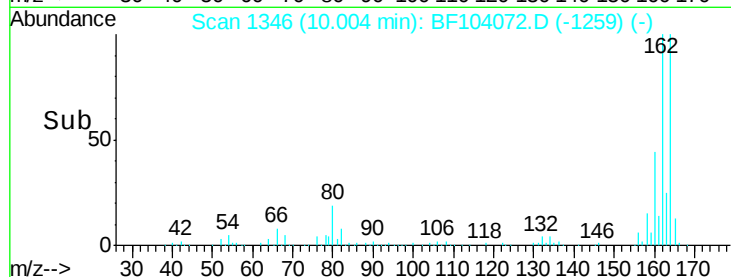
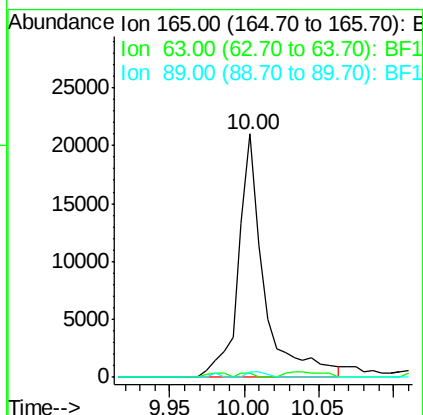
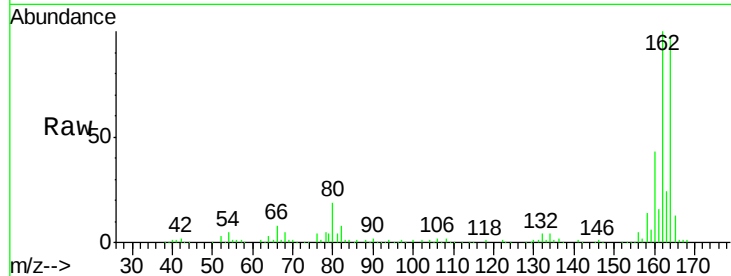




#50
 2,6-Dinitrotoluene
 Concen: 8.585 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.21 min
 Lab File: BF104072.D
 Acq: 30 Mar 2018 1:47

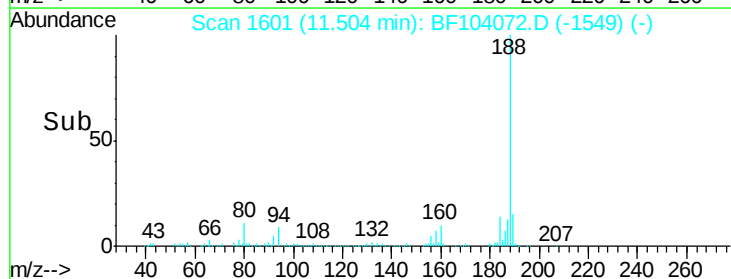
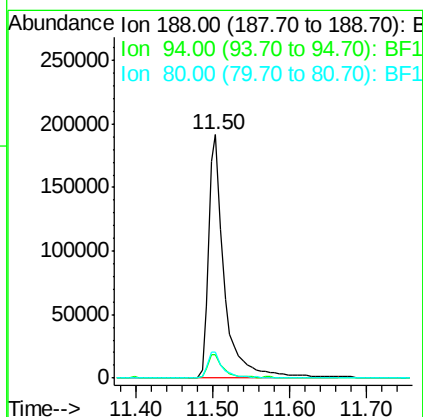
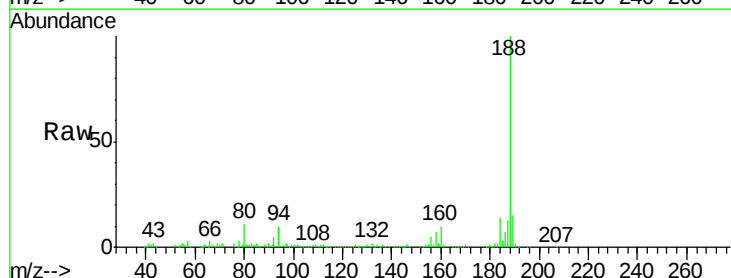
Instrument :
 BNA_F
 ClientSampled :

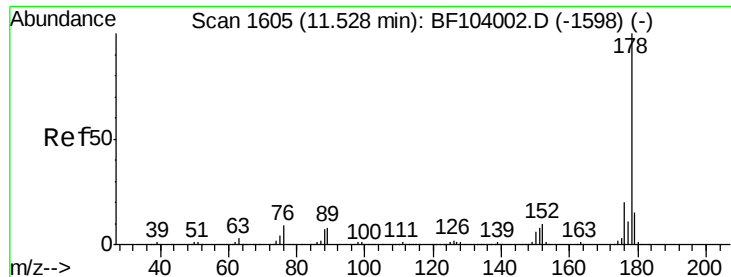
Tot Ion:165 Resp: 25066
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.7 67.1#
 89 2.2 44.0 66.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF104072.D
 Acq: 30 Mar 2018 1:47

Tgt Ion:188 Resp: 270161
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 10.6 9.2 13.8

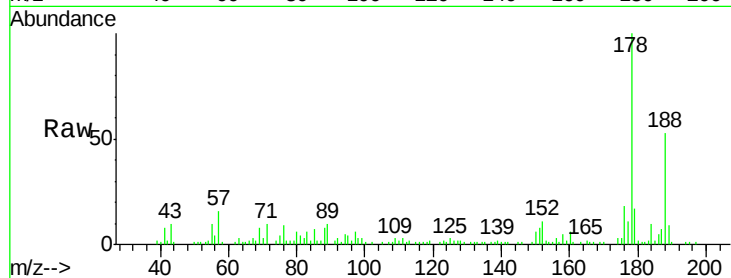




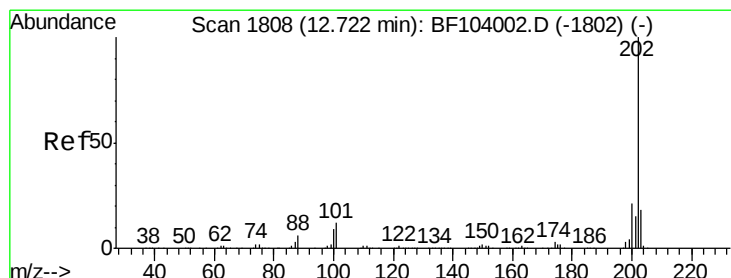
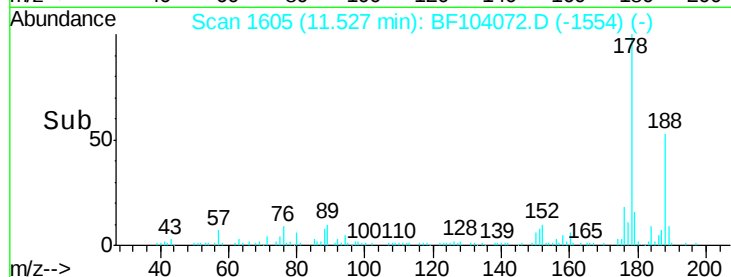
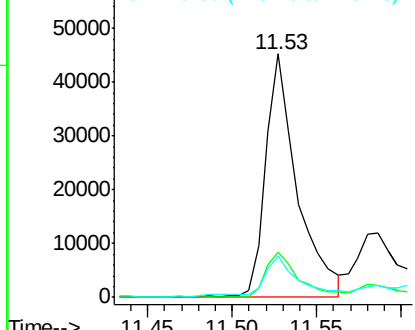
#70
Phenanthrene
Concen: 4.002 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 58530
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 16.7 13.0 19.6

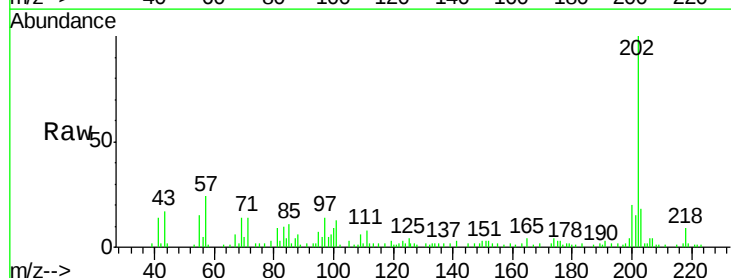


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

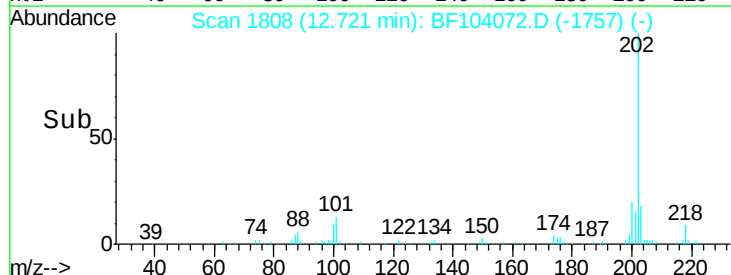
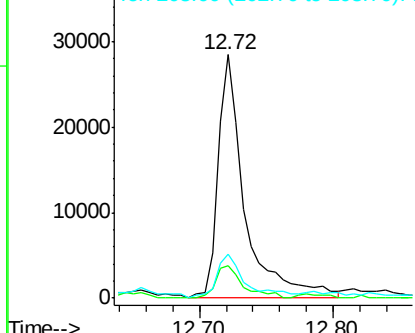


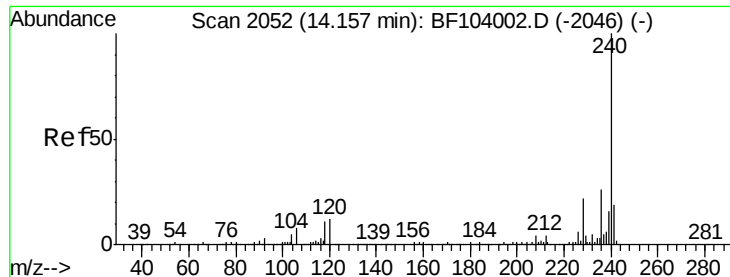
#74
Fluoranthene
Concen: 2.597 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF104072.D
Acq: 30 Mar 2018 1:47

Tgt Ion:202 Resp: 40375
Ion Ratio Lower Upper
202 100
101 13.2 0.0 34.1
203 18.1 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

Instrument :

BNA_F

ClientSampleId :

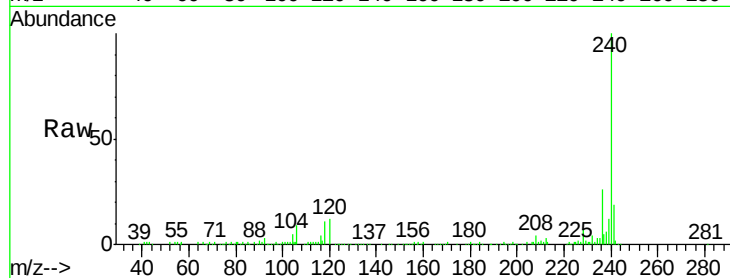
Tot Ion:240 Resp: 186574

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

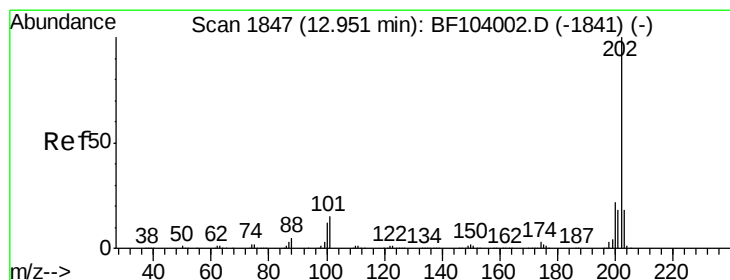
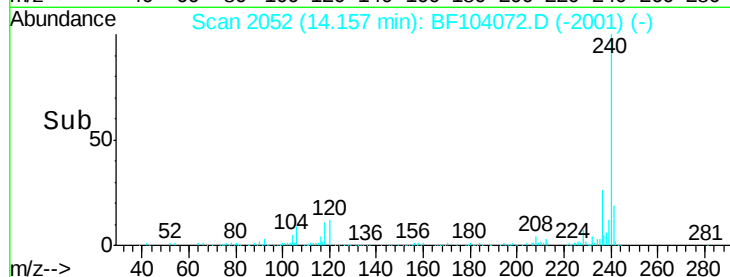
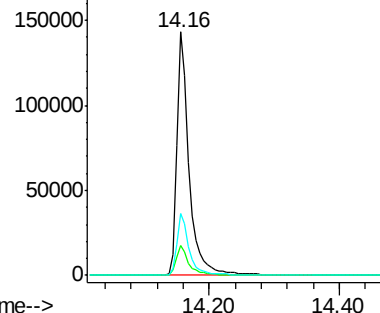
236 25.6 20.7 31.1



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

Pyrene

Concen: 4.537 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

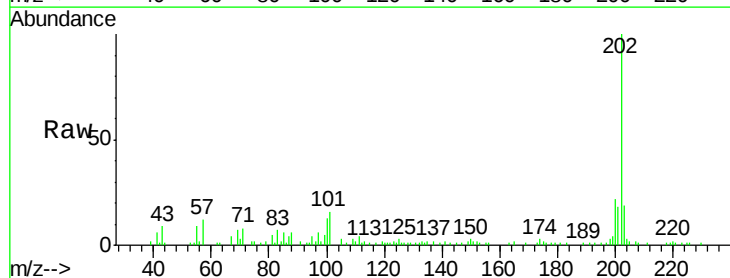
Tgt Ion:202 Resp: 60855

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

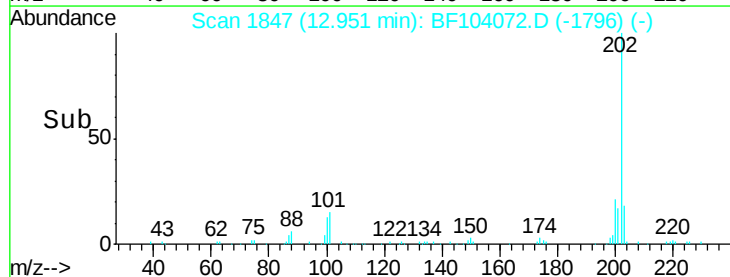
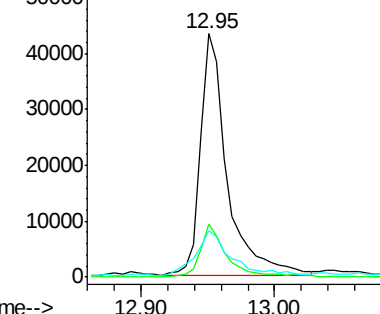
203 19.3 14.3 21.5

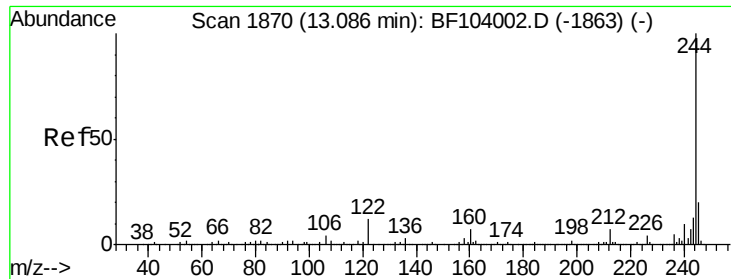


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.221 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

Instrument :

BNA_F

ClientSampleId :

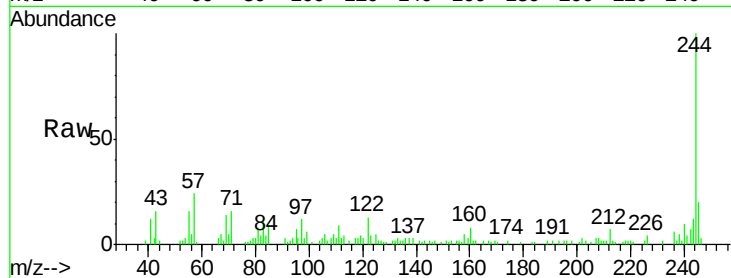
Tot Ion:244 Resp: 34105

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

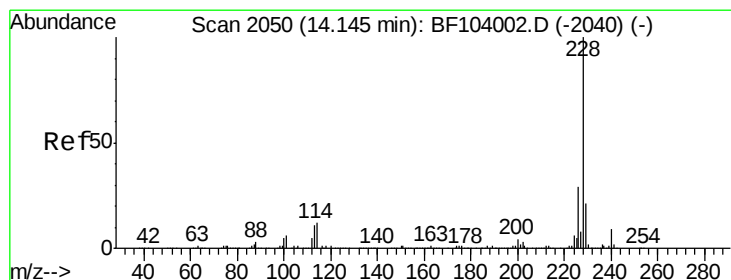
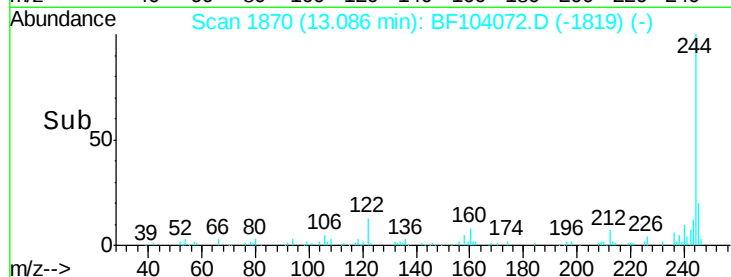
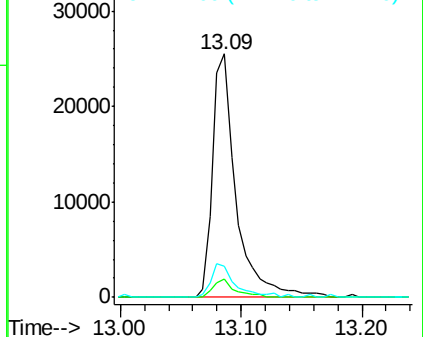
122 12.8 11.0 16.4



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: 2.048 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

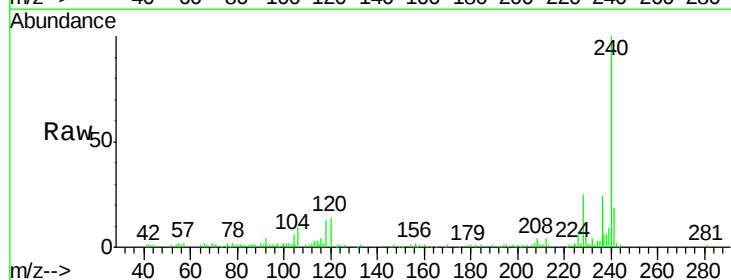
Tgt Ion:228 Resp: 23912

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

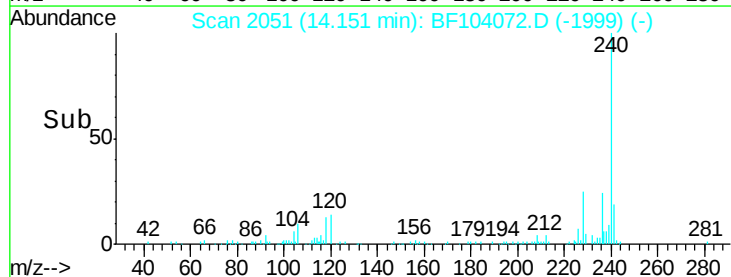
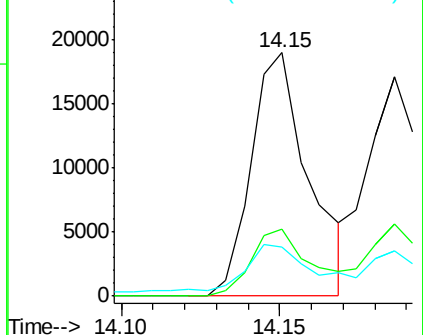
229 20.3 15.8 23.6

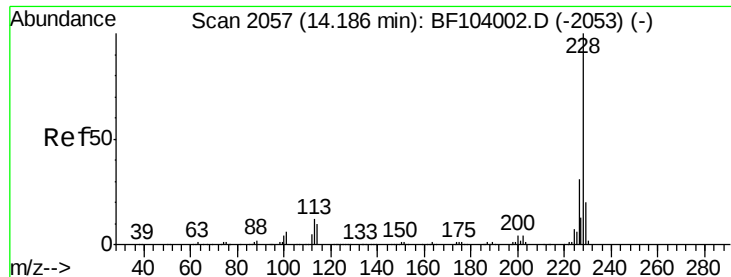


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.192 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

Instrument :

BNA_F

ClientSampleId :

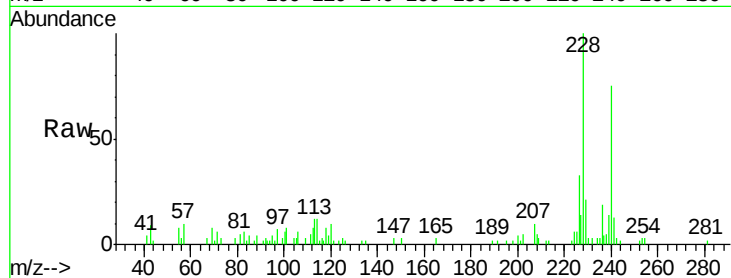
Tot Ion:228 Resp: 25068

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

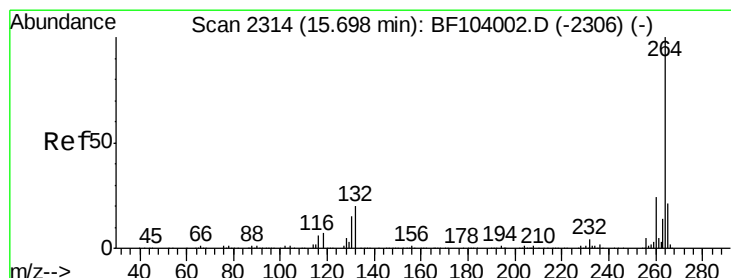
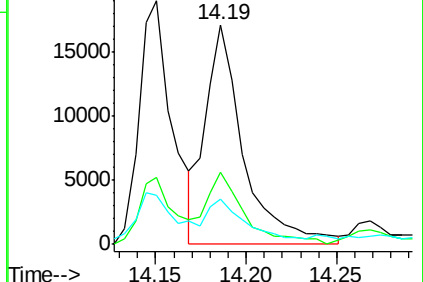
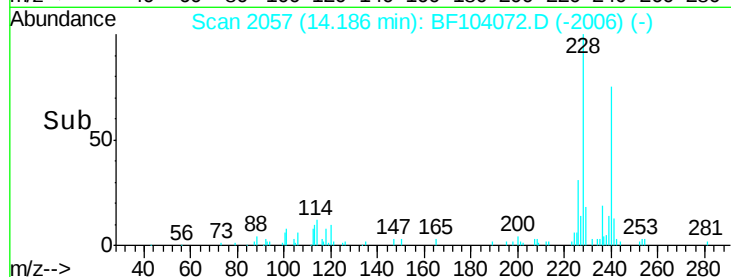
229 20.7 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2316

Delta R.T. 0.01 min

Lab File: BF104072.D

Acq: 30 Mar 2018 1:47

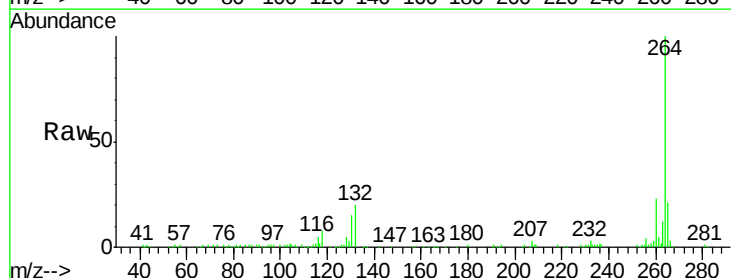
Tgt Ion:264 Resp: 200562

Ion Ratio Lower Upper

264 100

260 23.2 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

