

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103918.D
 Acq On : 26 Mar 2018 11:46
 Operator : JU/SJ
 Sample : J1867-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C19013071

Quant Time: Mar 27 07:40:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

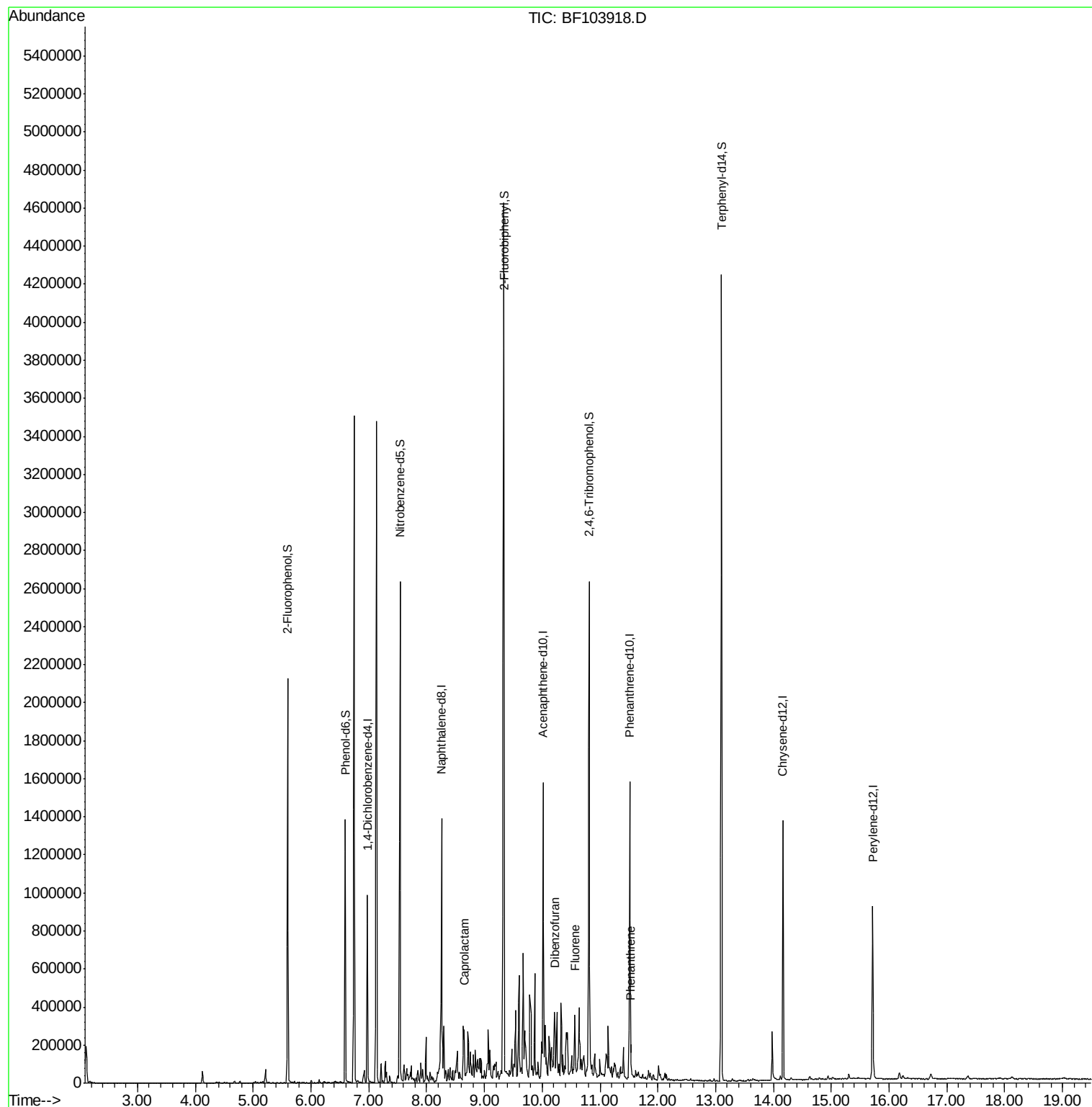
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145020	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	597677	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	285777	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	525769	20.00	ng	0.00
75) Chrysene-d12	14.16	240	478651	20.00	ng	0.00
86) Perylene-d12	15.72	264	426854	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	615173	64.52	ng	0.00
7) Phenol-d6	6.59	99	473867	40.62	ng	0.00
23) Nitrobenzene-d5	7.54	82	950631	110.92	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	405988	165.23	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1647753	91.97	ng	0.00
78) Terphenyl-d14	13.10	244	1711851	83.01	ng	0.00
Target Compounds						
35) Caprolactam	8.65	113	38632	14.508	ng	Qvalue # 82
54) Dibenzofuran	10.22	168	51344	2.063	ng	# 97
57) Fluorene	10.56	166	69086	3.577	ng	98
70) Phenanthrene	11.53	178	57749	2.008	ng	99

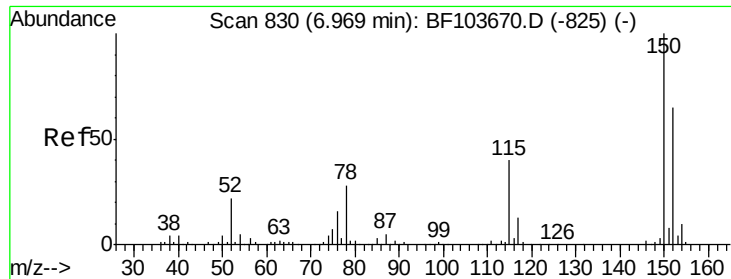
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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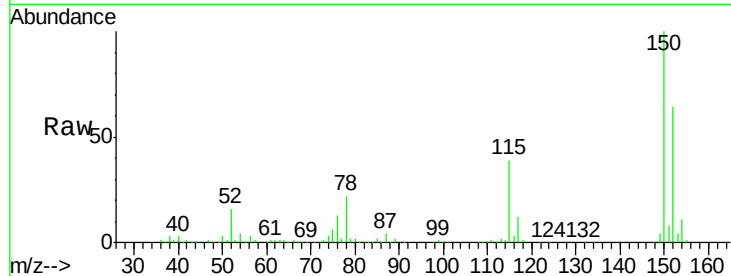


#1

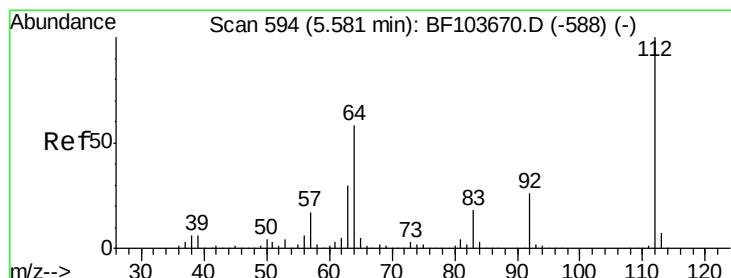
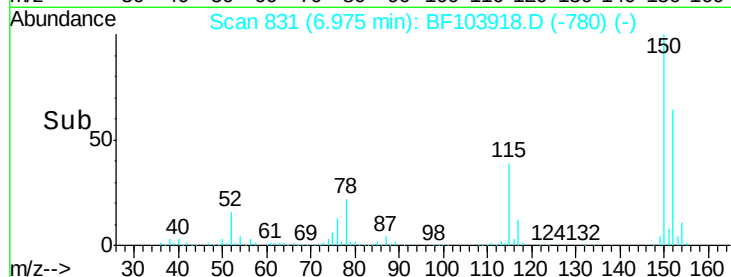
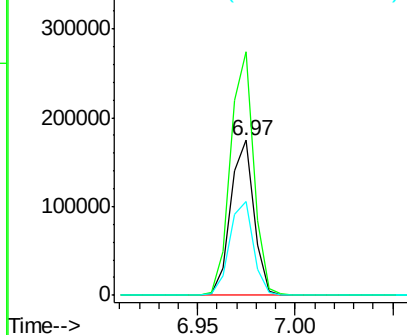
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

Instrument :
BNA_F
ClientSampleId :
C19013071

Tot Ion:152 Resp: 145020
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 60.7 50.1 75.1



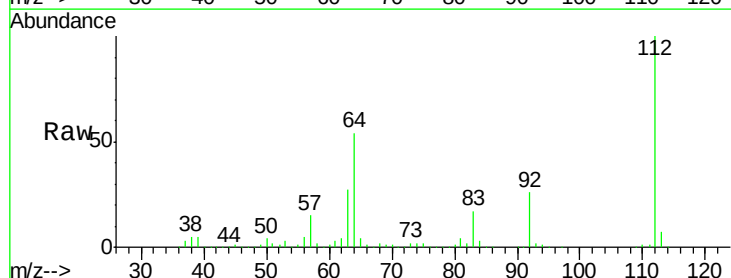
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



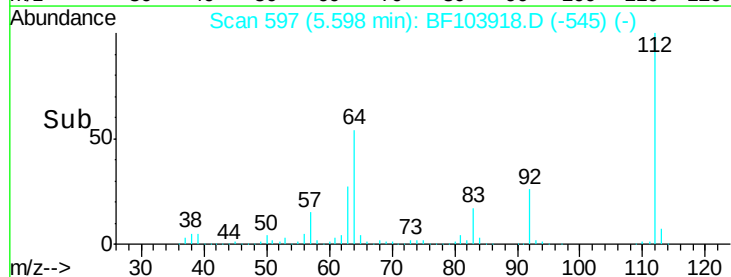
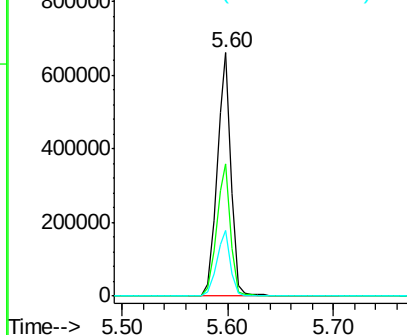
#5

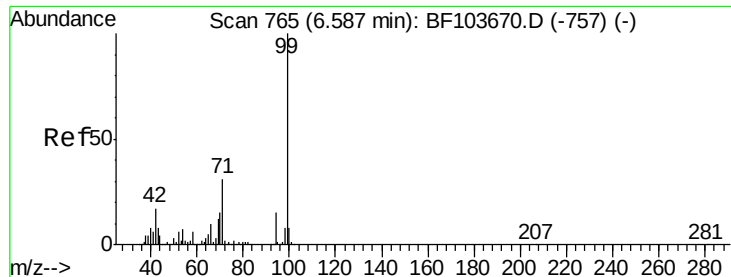
2-Fluorophenol
Concen: 64.520 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

Tgt Ion:112 Resp: 615173
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 27.1 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: 40.623 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103918.D

Acq: 26 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

C19013071

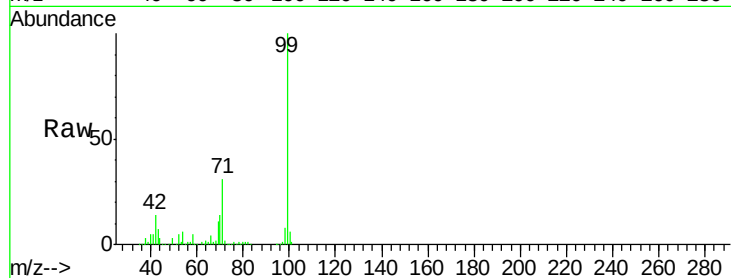
Tot Ion: 99 Resp: 473867

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

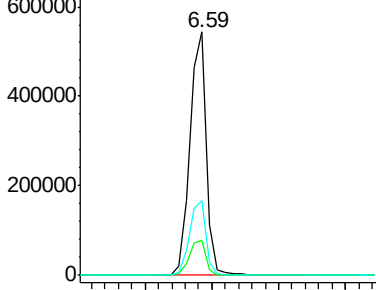
71 30.6 25.4 38.0



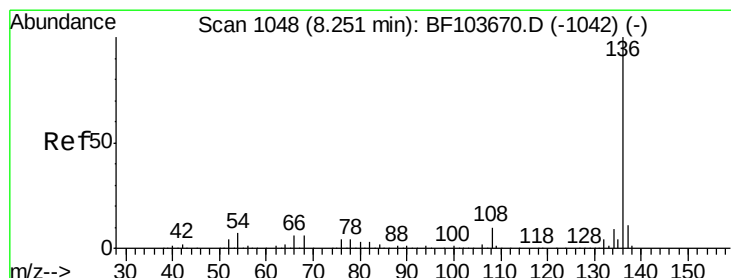
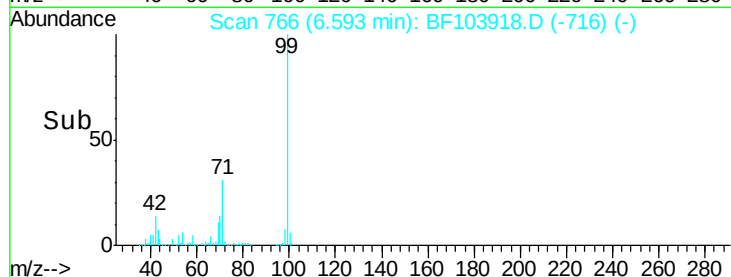
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF103918.D

Acq: 26 Mar 2018 11:46

Tgt Ion: 136 Resp: 597677

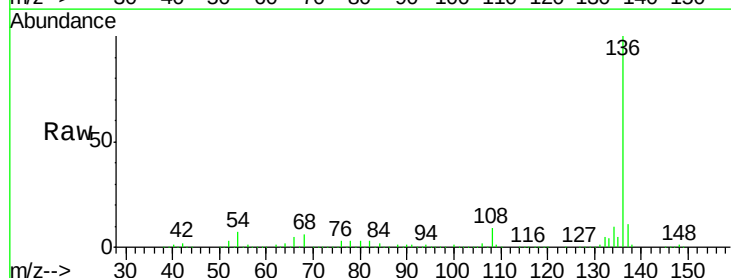
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.6 6.6 9.8

68 6.0 5.0 7.4

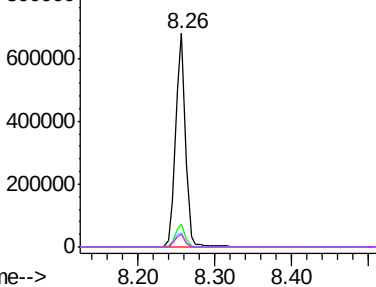


Abundance Ion 136.00 (135.70 to 136.70): E

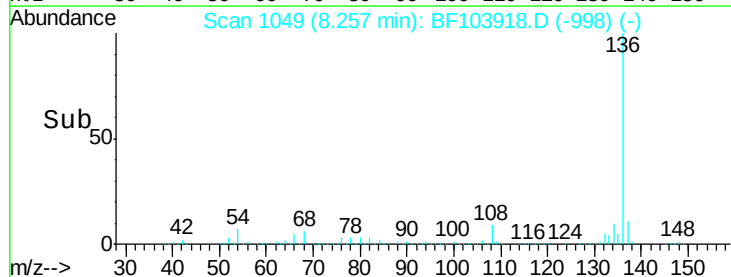
Ion 137.00 (136.70 to 137.70): E

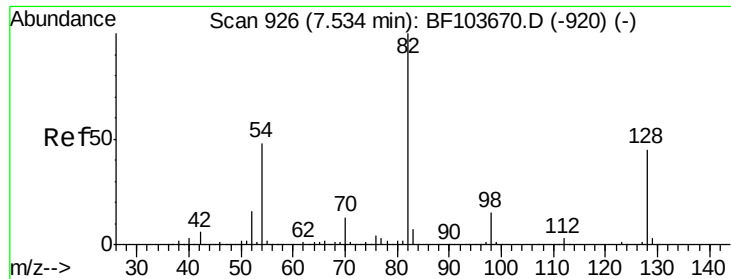
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

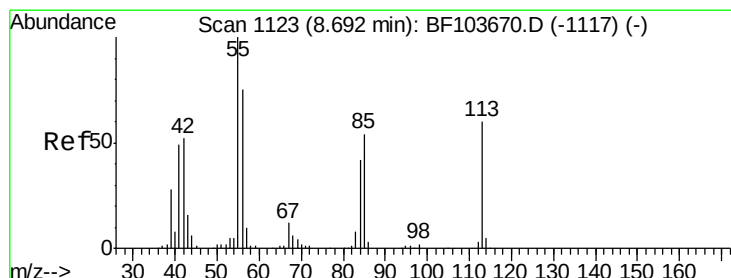
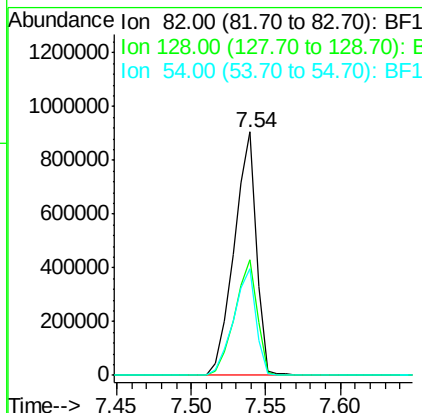
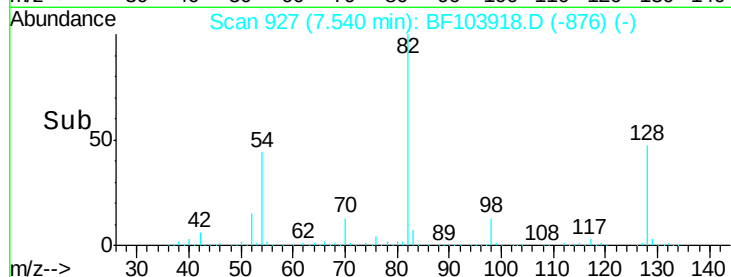
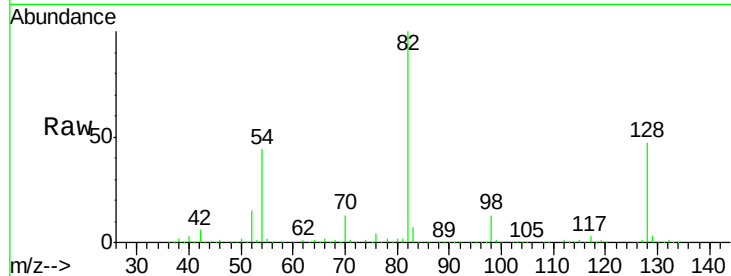




#23
Nitrobenzene-d5
Concen: 110.918 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

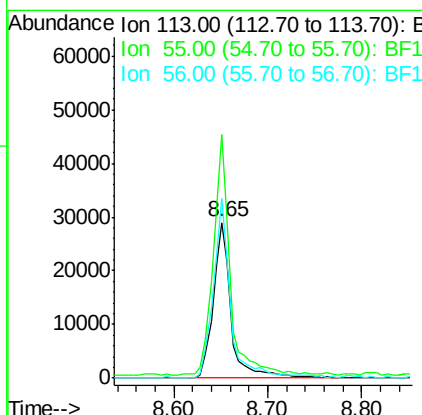
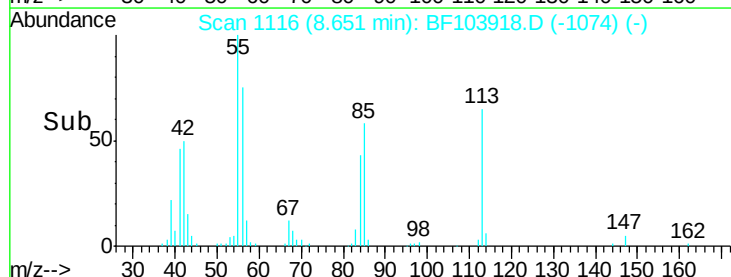
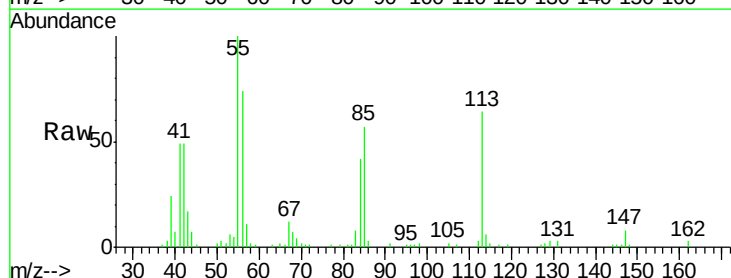
Instrument :
BNA_F
ClientSampleId :
C19013071

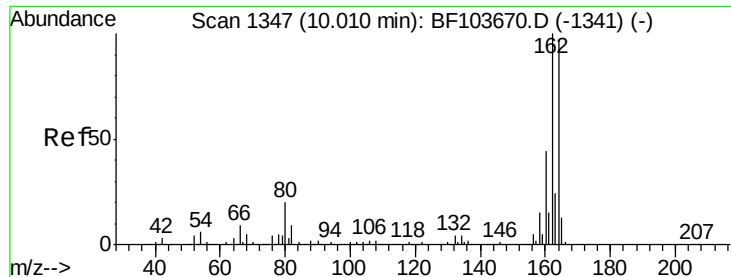
Tot Ion: 82 Resp: 950631
Ion Ratio Lower Upper
82 100
128 47.5 36.1 54.1
54 44.0 41.4 62.2



#35
Caprolactam
Concen: 14.508 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

Tgt Ion: 113 Resp: 38632
Ion Ratio Lower Upper
113 100
55 156.6 163.3 203.3#
56 115.7 115.7 155.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103918.D

Acq: 26 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

C19013071

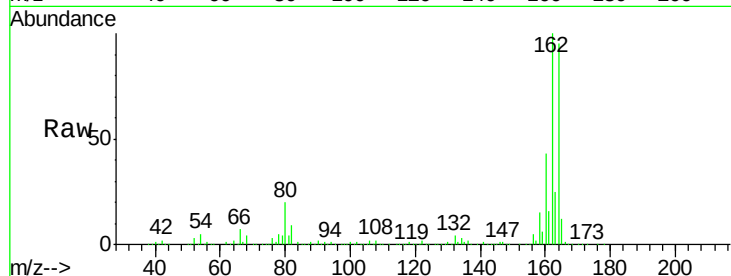
Tot Ion:164 Resp: 285777

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

160 45.5 38.3 57.5

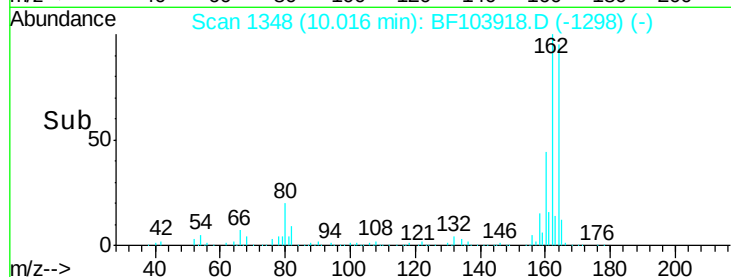


Abundance Ion 164.00 (163.70 to 164.70): E

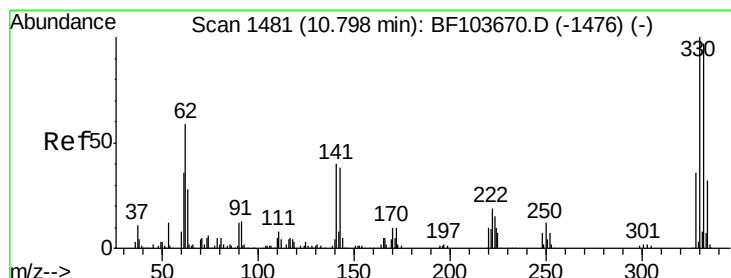
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



Time-->



#41

2,4,6-Tribromophenol

Concen: 165.229 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BF103918.D

Acq: 26 Mar 2018 11:46

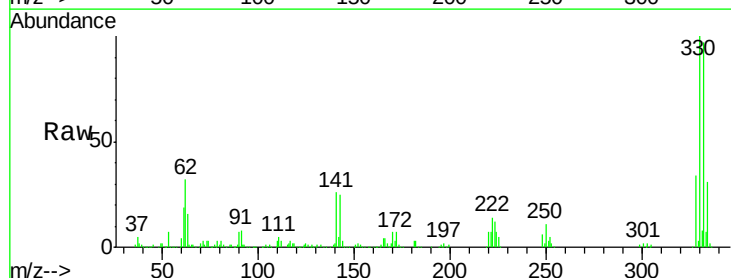
Tgt Ion:330 Resp: 405988

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 31.5 29.9 44.9

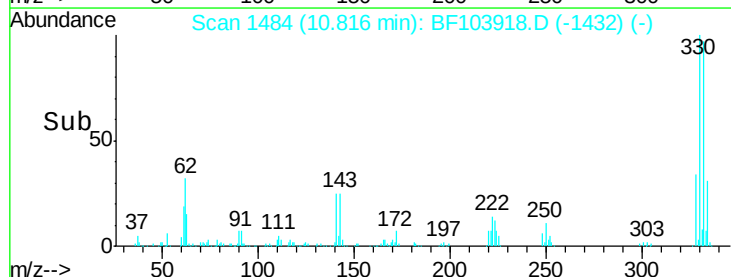


Abundance Ion 329.80 (329.50 to 330.50): E

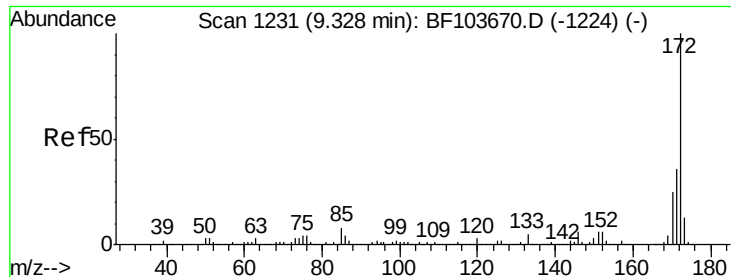
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->



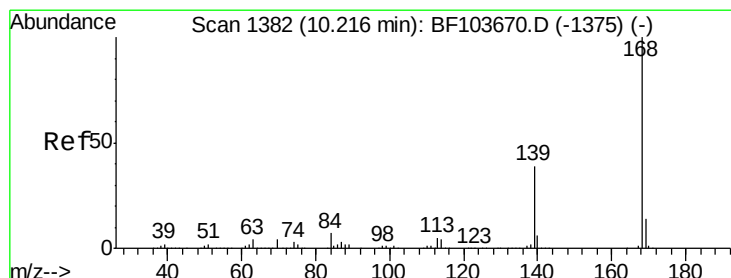
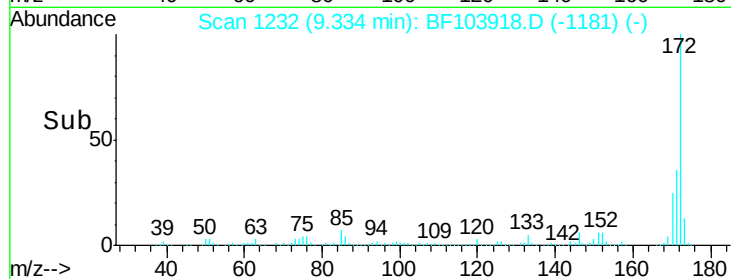
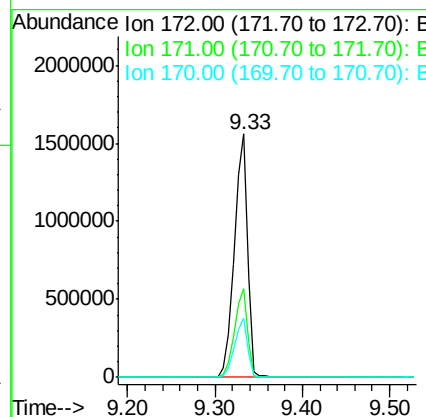
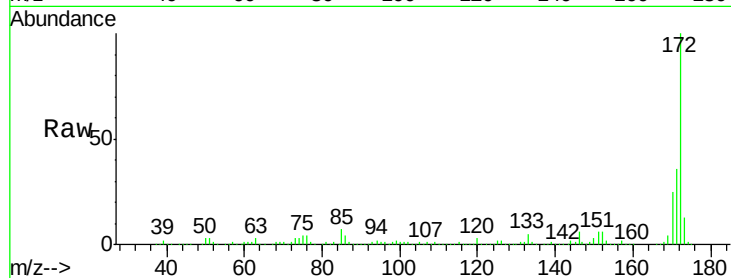
Time-->



#44
2-Fluorobiphenyl
Concen: 91.974 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

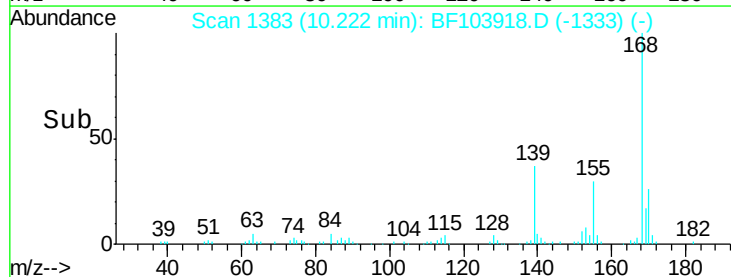
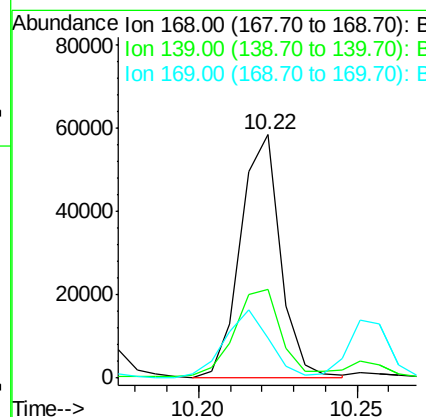
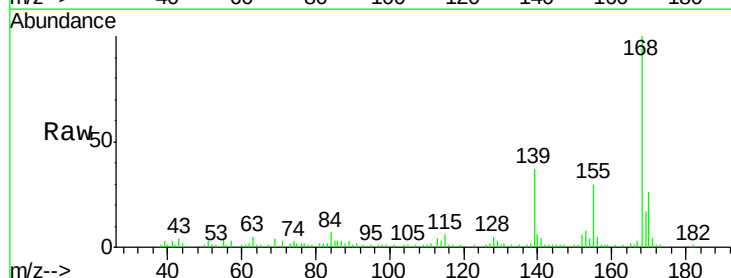
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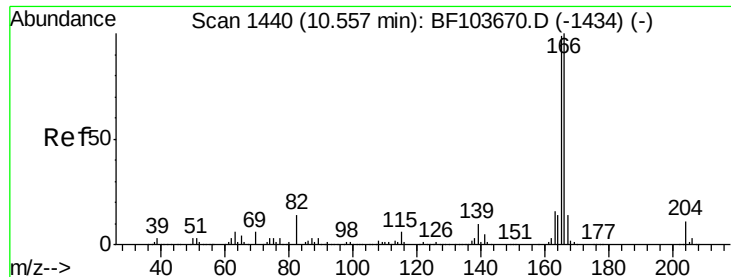
Tot Ion:172 Resp: 1647753
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.6 19.6 29.4



#54
Dibenzofuran
Concen: 2.063 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

Tgt Ion:168 Resp: 51344
Ion Ratio Lower Upper
168 100
139 36.7 30.1 45.1
169 16.5 10.9 16.3#

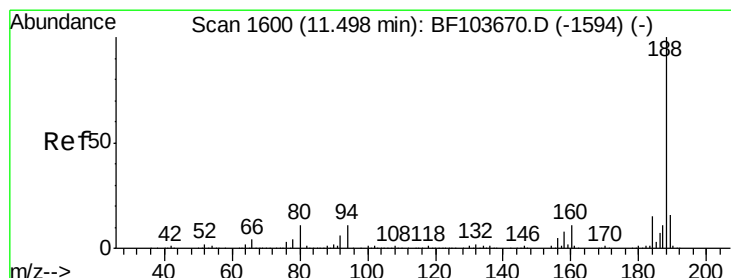
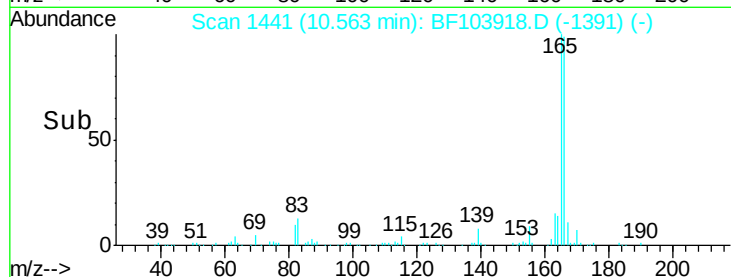
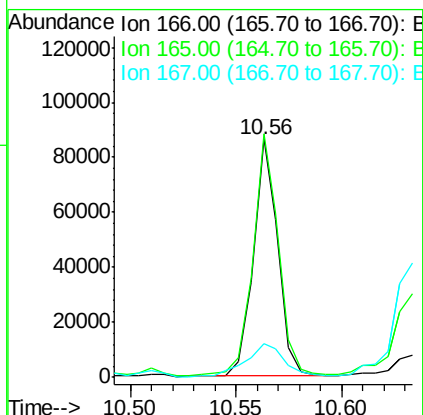
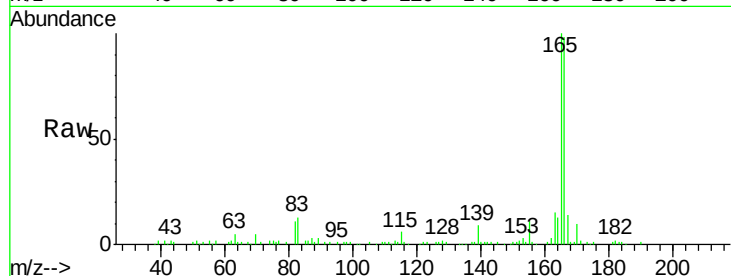




#57
 Fluorene
 Concen: 3.577 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103918.D
 Acq: 26 Mar 2018 11:46

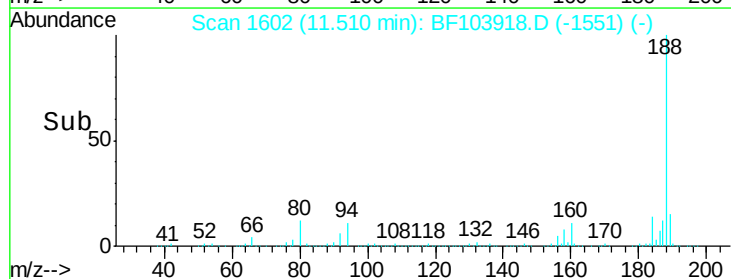
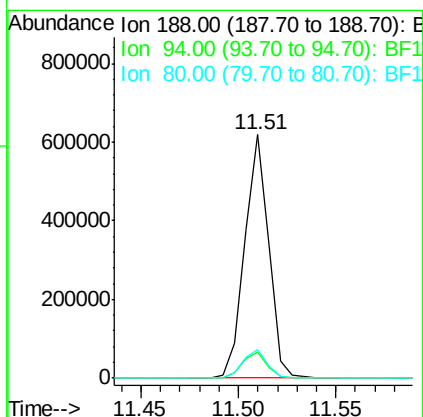
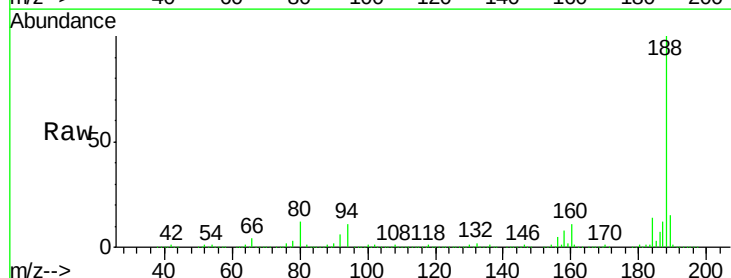
Instrument :
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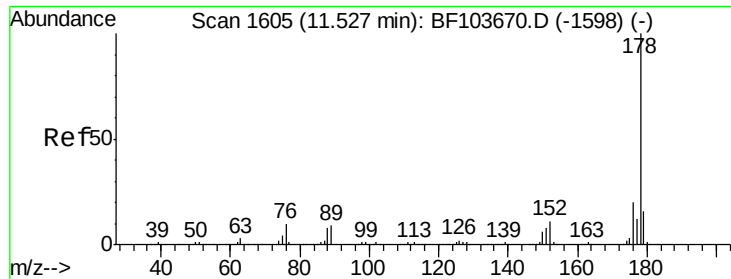
Tot Ion:166 Resp: 69086
 Ion Ratio Lower Upper
 166 100
 165 102.3 79.8 119.8
 167 14.0 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF103918.D
 Acq: 26 Mar 2018 11:46

Tgt Ion:188 Resp: 525769
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.6 9.2 13.8

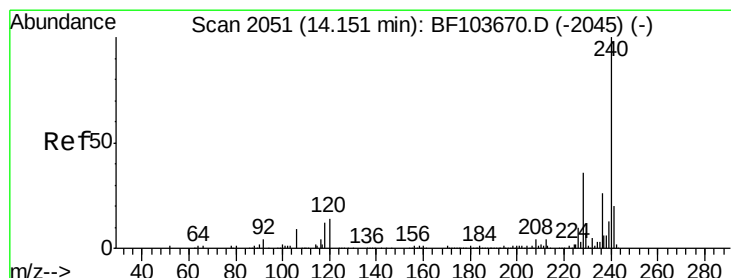
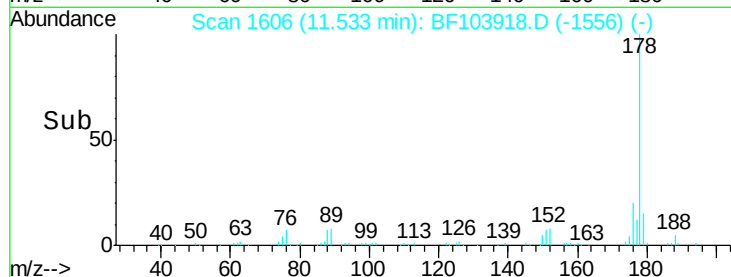
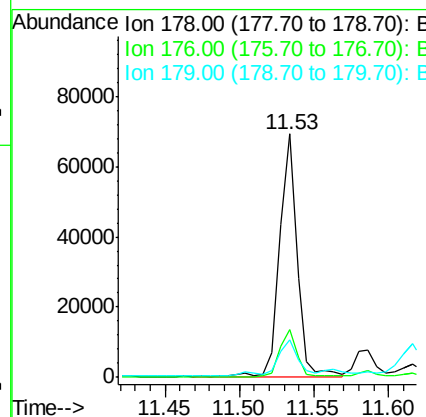
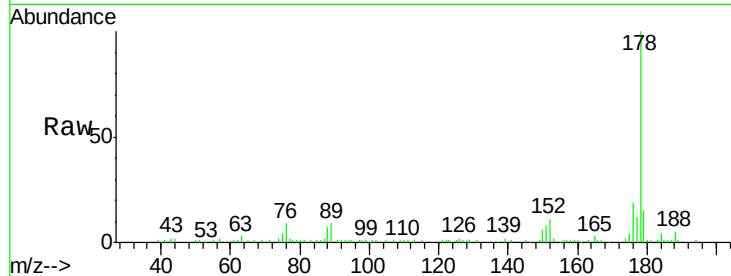




#70
Phenanthrene
Concen: 2.008 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

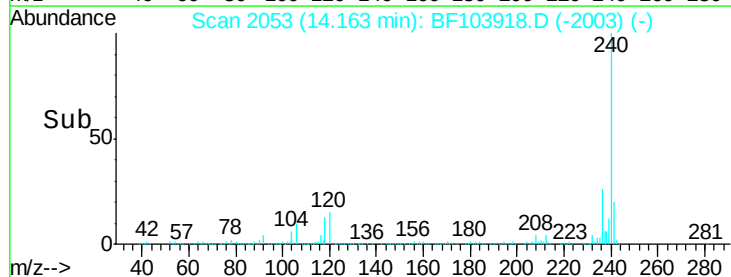
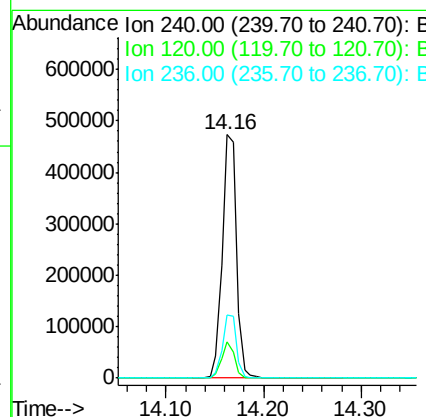
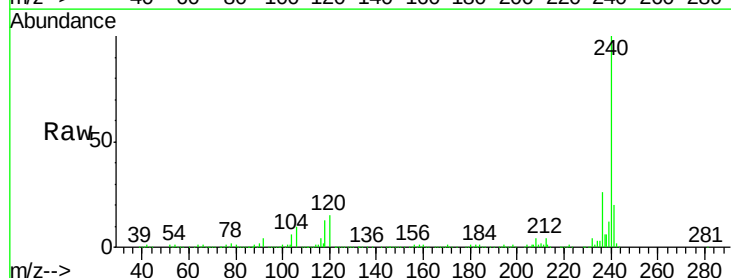
Instrument :
BNA_F
ClientSampleId :
C19013071

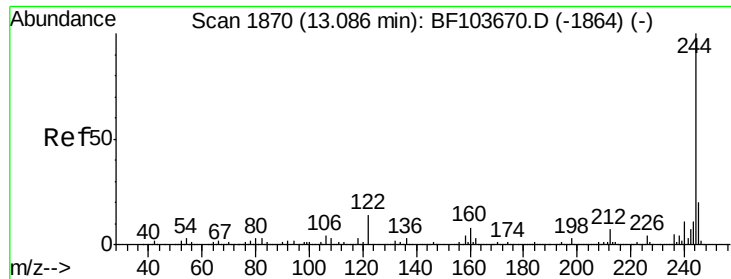
Tot Ion:178 Resp: 57749
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.5 13.0 19.6



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF103918.D
Acq: 26 Mar 2018 11:46

Tgt Ion:240 Resp: 478651
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 25.9 20.7 31.1





#78

Terphenyl-d14

Concen: 83.014 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BF103918.D

Acq: 26 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

C19013071

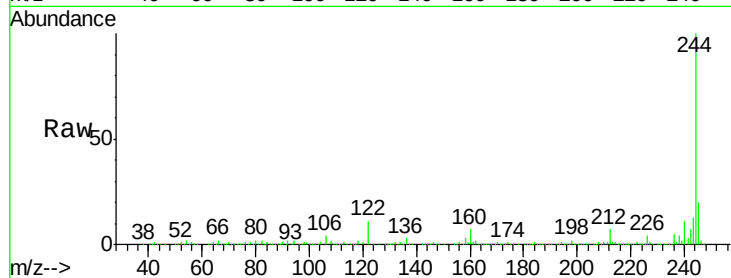
Tot Ion:244 Resp: 1711851

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

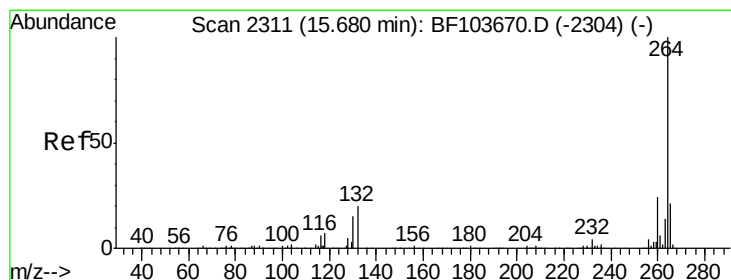
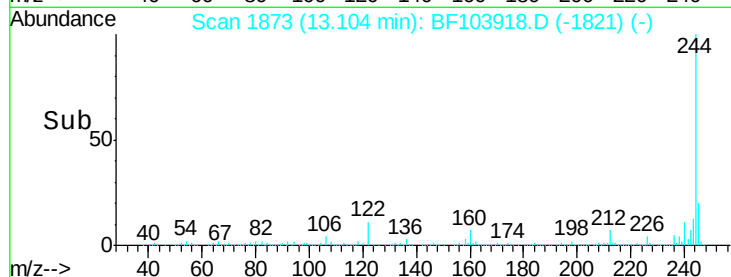
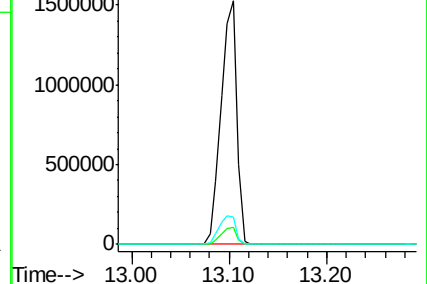
122 11.4 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.72 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BF103918.D

Acq: 26 Mar 2018 11:46

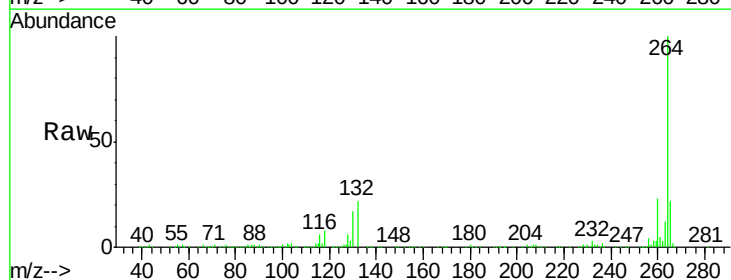
Tgt Ion:264 Resp: 426854

Ion Ratio Lower Upper

264 100

260 23.3 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

