

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
 Data File : BG024068.D
 Acq On : 22 Sep 2016 3:24
 Operator : UM/SJ
 Sample : H4861-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 091916-DRDC-F-D-M

Quant Time: Sep 22 07:51:16 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 19:01:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	69142	20.00	ng	0.03
21) Naphthalene-d8	10.91	136	296306	20.00	ng	0.02
38) Acenaphthene-d10	14.75	164	210593	20.00	ng	0.02
63) Phenanthrene-d10	17.51	188	398945	20.00	ng	0.01
75) Chrysene-d12	21.82	240	406913	20.00	ng	0.00
86) Perylene-d12	25.17	264	361496	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	172746	43.86	ng	0.03
7) Phenol-d6	7.26	99	177753	29.32	ng	0.04
23) Nitrobenzene-d5	9.26	82	719486	108.40	ng	0.03
41) 2,4,6-Tribromophenol	16.25	330	252979	66.68	ng	0.01
44) 2-Fluorobiphenyl	13.36	172	1306378	88.94	ng	0.02
78) Terphenyl-d14	20.11	244	1665152	93.19	ng	0.00

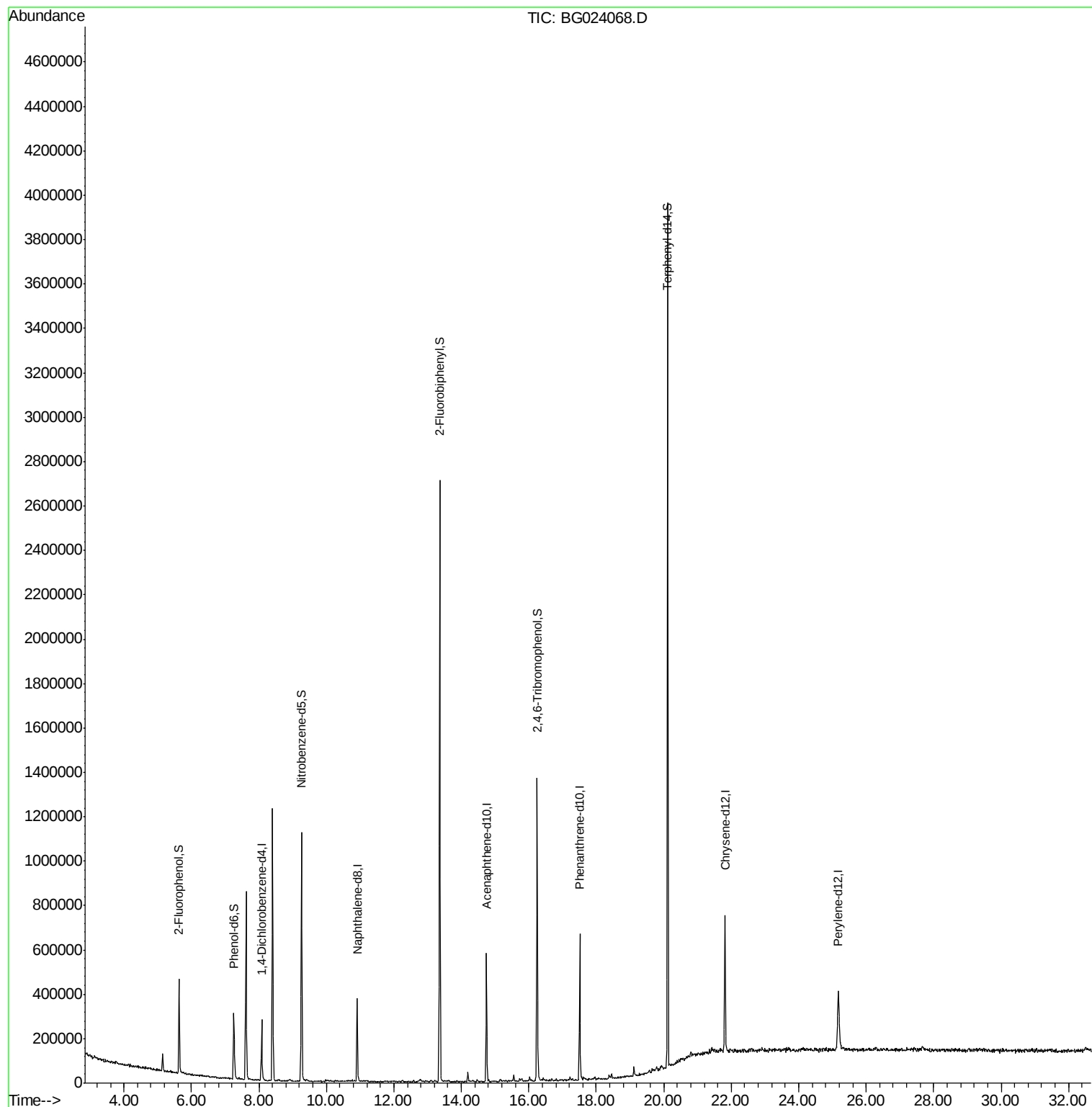
Target Compounds Qvalue

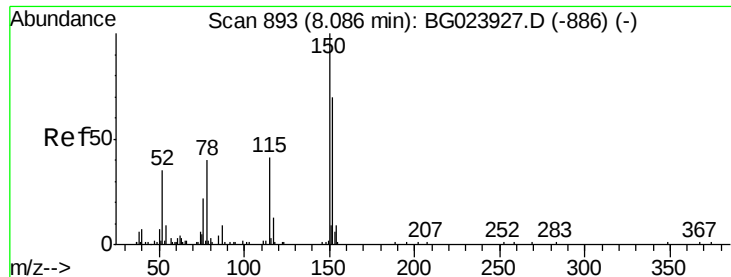
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 892

Delta R.T. 0.03 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

Instrument :

BNA_G

ClientSampleId :

091916-DRDC-F-D-M

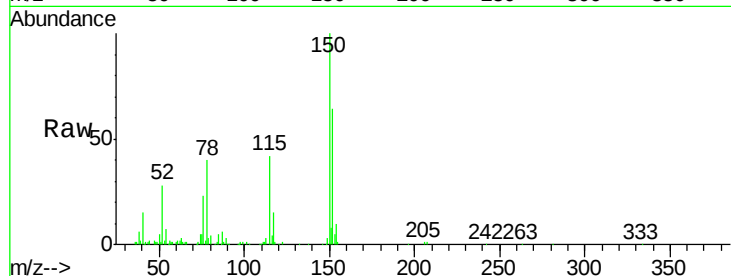
Tot Ion:152 Resp: 69142

Ion Ratio Lower Upper

152 100

150 157.5 144.7 217.1

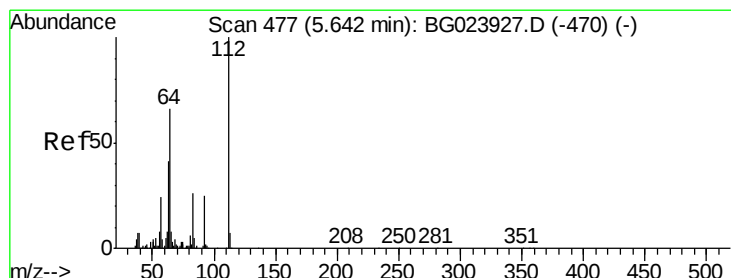
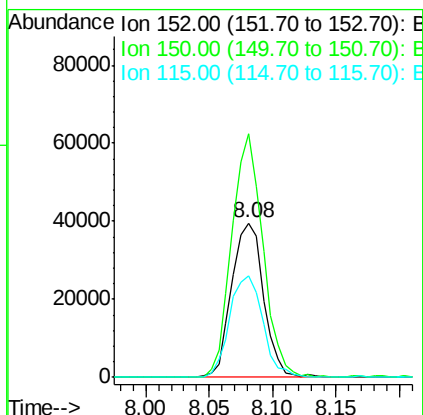
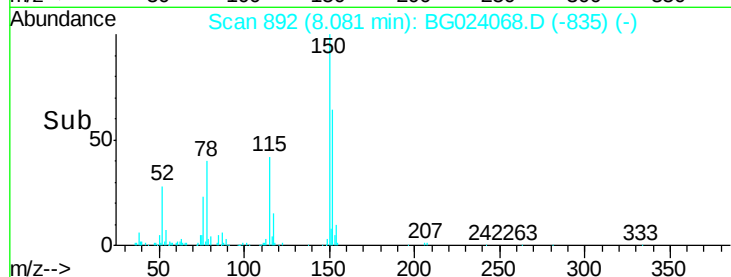
115 65.6 64.0 96.0



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: 43.86 ng

RT: 5.63 min Scan# 475

Delta R.T. 0.03 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

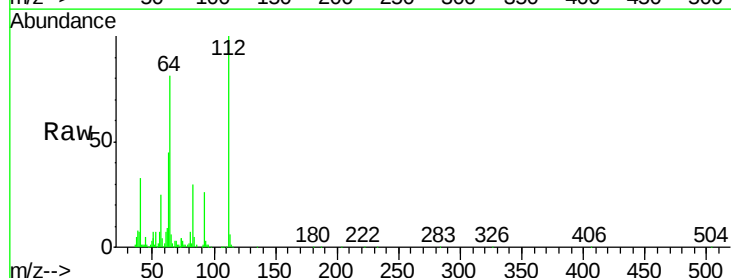
Tgt Ion:112 Resp: 172746

Ion Ratio Lower Upper

112 100

64 80.8 59.0 88.4

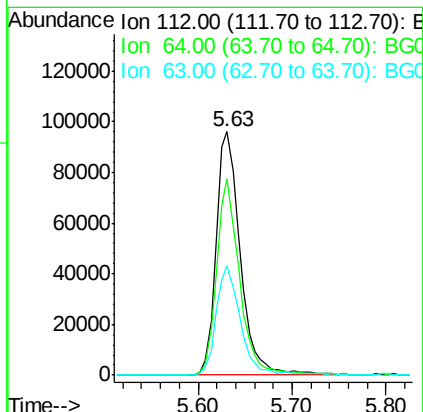
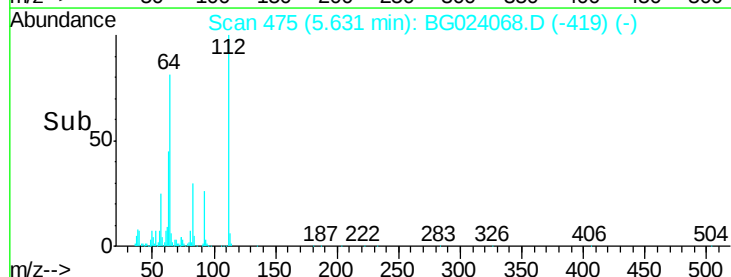
63 45.0 37.8 56.8

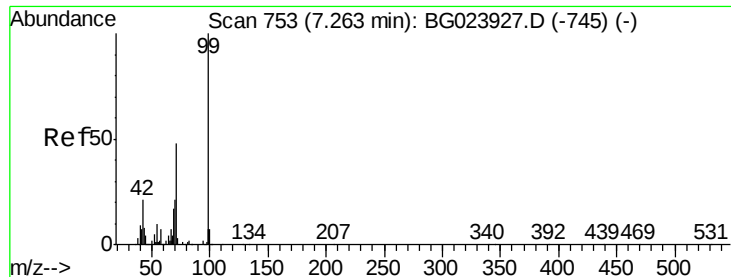


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 29.32 ng

RT: 7.26 min Scan# 752

Delta R.T. 0.04 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

Instrument :

BNA_G

ClientSampleId :

091916-DRDC-F-D-M

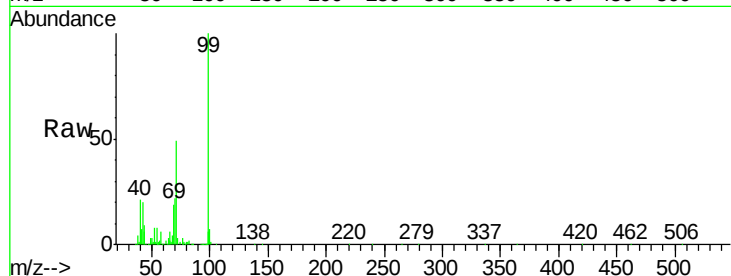
Tot Ion: 99 Resp: 177753

Ion Ratio Lower Upper

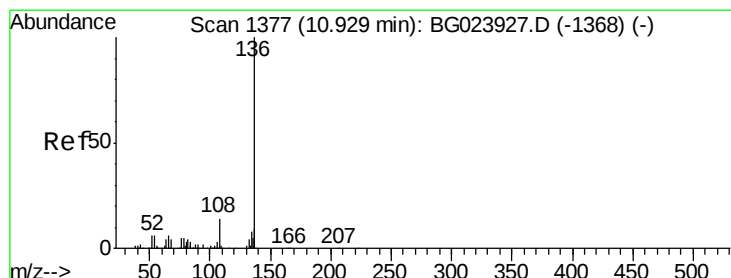
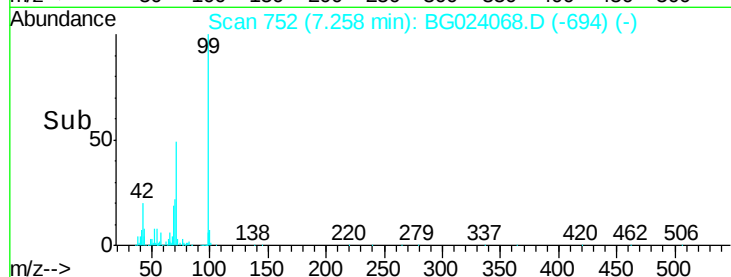
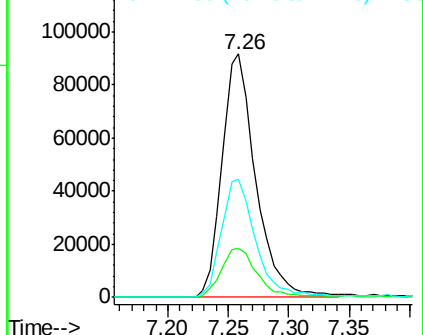
99 100

42 20.1 17.8 26.6

71 48.6 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.91 min Scan# 1373

Delta R.T. 0.02 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

Tgt Ion: 136 Resp: 296306

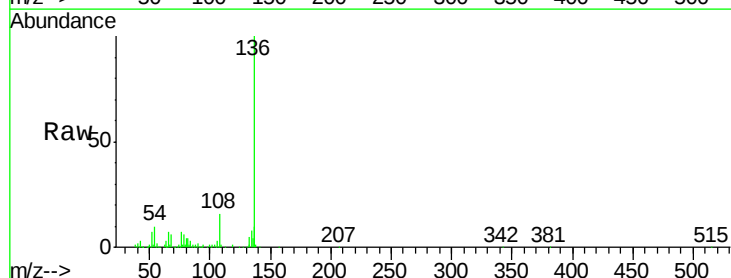
Ion Ratio Lower Upper

136 100

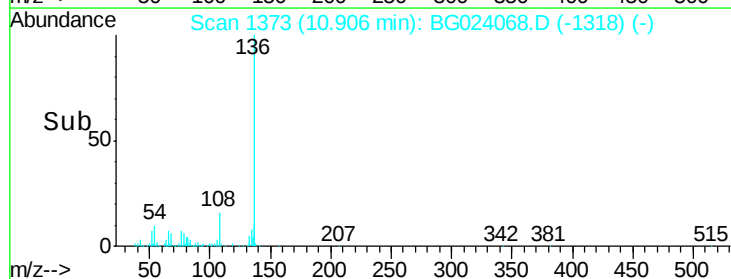
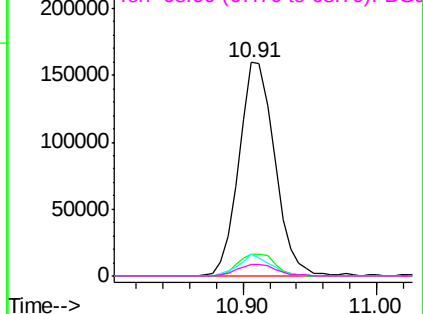
137 9.9 9.6 14.4

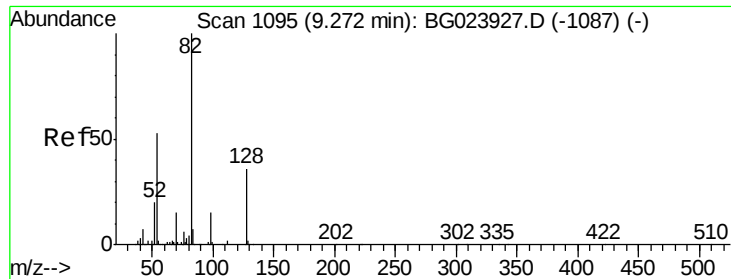
54 10.1 7.3 10.9

68 5.6 5.3 7.9



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

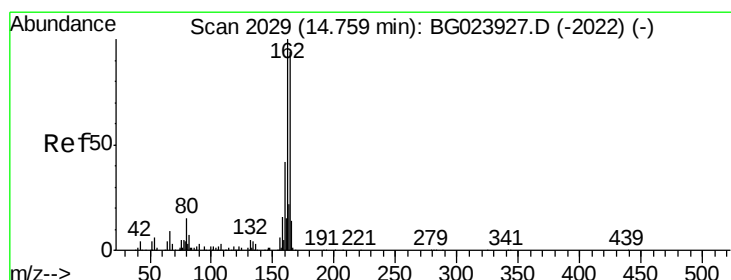
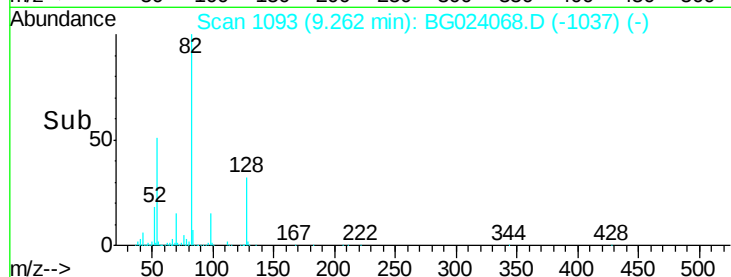
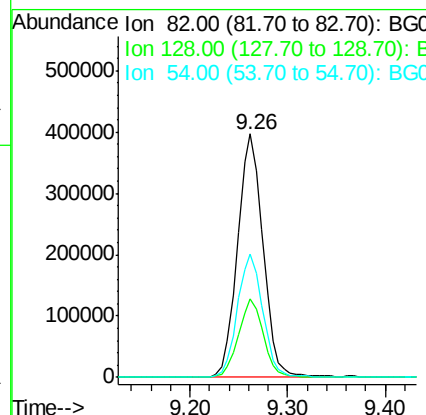
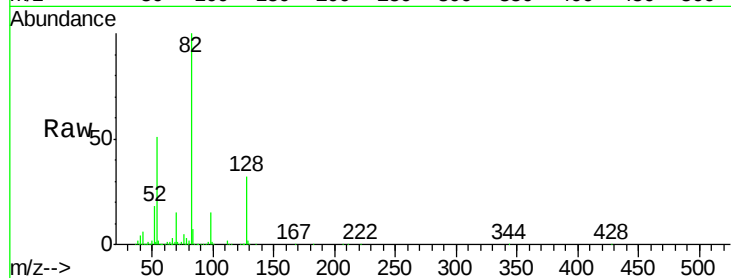




#23
Nitrobenzene-d5
Concen: 108.40 ng
RT: 9.26 min Scan# 1093
Delta R.T. 0.03 min
Lab File: BG024068.D
Acq: 22 Sep 2016 3:24

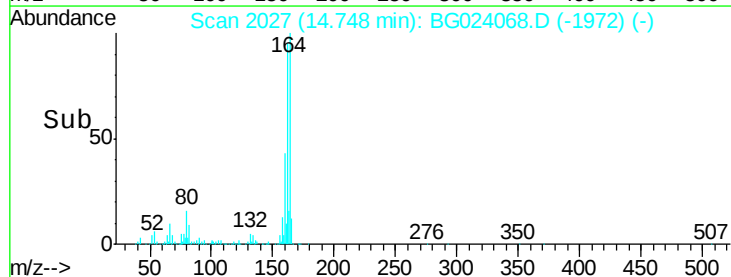
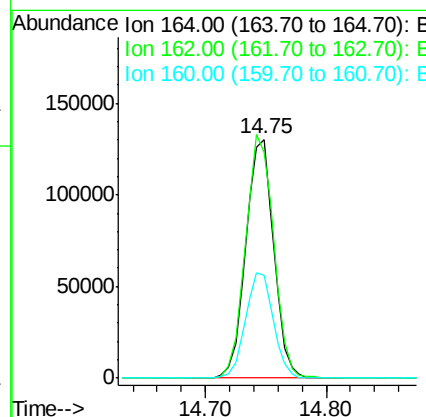
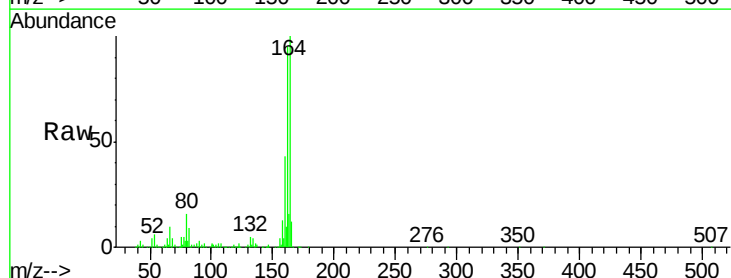
Instrument :
BNA_G
ClientSampleId :
091916-DRDC-F-D-M

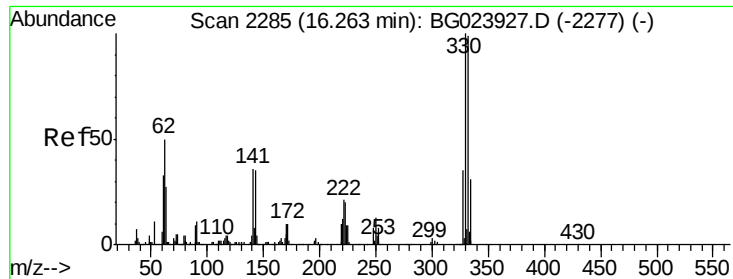
Tot Ion	82	Resp	719486
Ion Ratio	Lower	Upper	
82	100		
128	32.2	24.4	36.6
54	50.7	41.4	62.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BG024068.D
Acq: 22 Sep 2016 3:24

Tgt Ion	164	Resp	210593
Ion Ratio	Lower	Upper	
164	100		
162	94.9	87.7	131.5
160	43.2	37.2	55.8

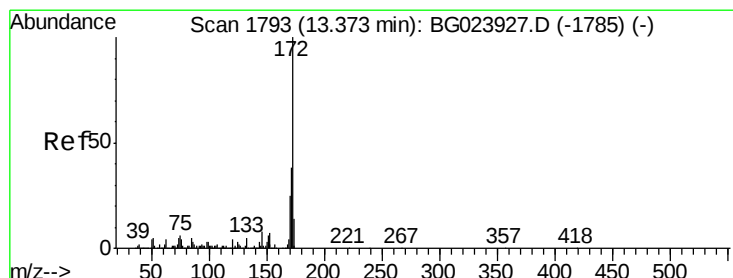
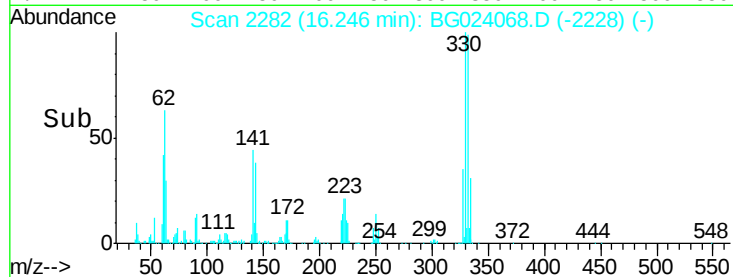
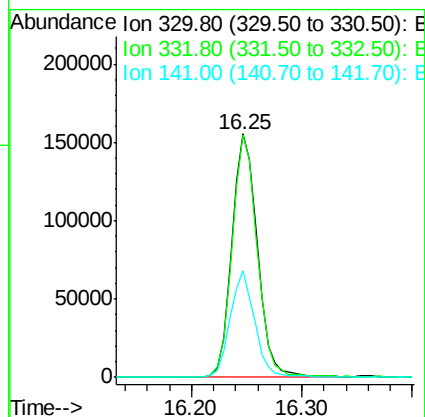
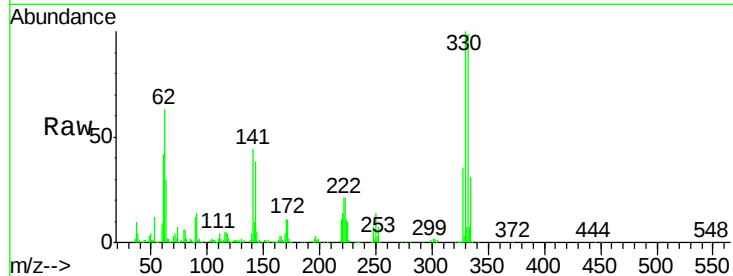




#41
 2,4,6-Tribromophenol
 Concen: 66.68 ng
 RT: 16.25 min Scan# 2282
 Delta R.T. 0.01 min
 Lab File: BG024068.D
 Acq: 22 Sep 2016 3:24

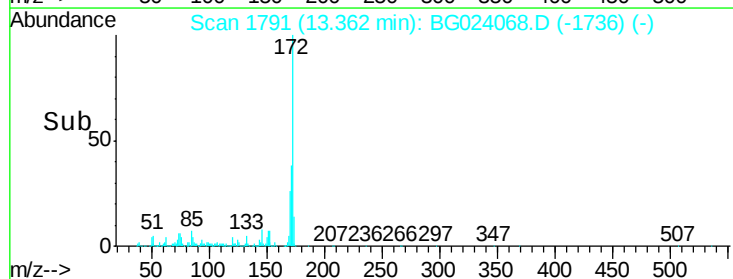
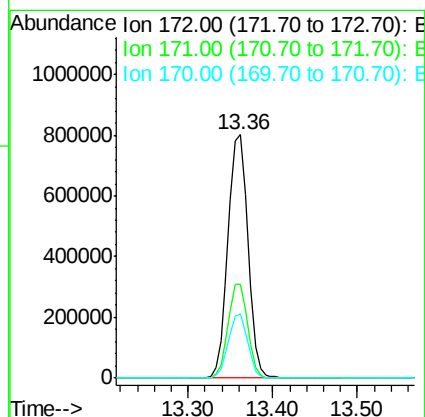
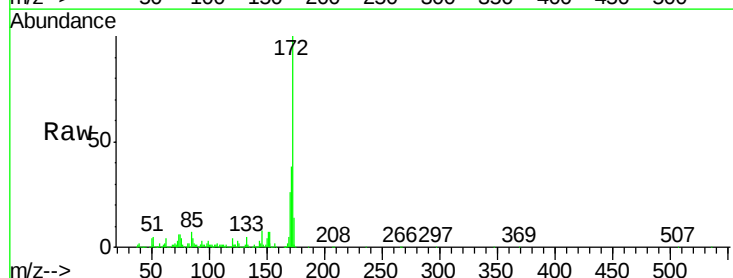
Instrument :
 BNA_G
 ClientSampleId :
 091916-DRDC-F-D-M

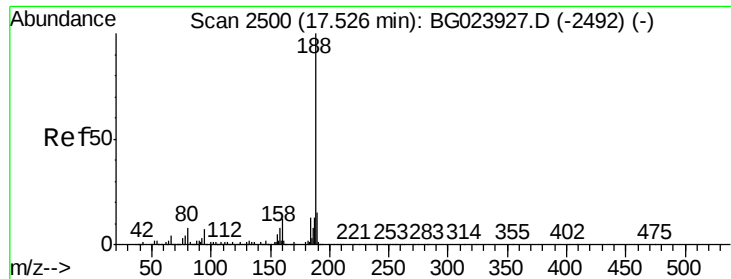
Tot Ion:330 Resp: 252979
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 41.8 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 88.94 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. 0.02 min
 Lab File: BG024068.D
 Acq: 22 Sep 2016 3:24

Tgt Ion:172 Resp: 1306378
 Ion Ratio Lower Upper
 172 100
 171 38.4 31.6 47.4
 170 26.4 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.51 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

Instrument :

BNA_G

ClientSampleId :

091916-DRDC-F-D-M

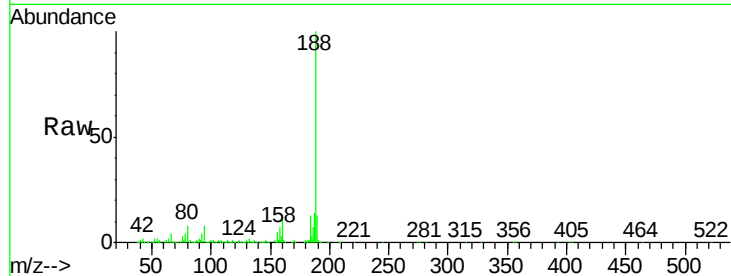
Tot Ion:188 Resp: 398945

Ion Ratio Lower Upper

188 100

94 7.6 5.2 7.8

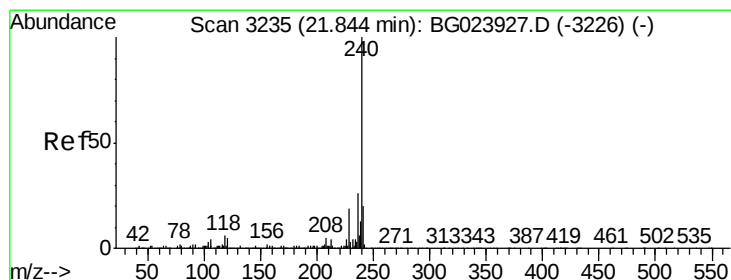
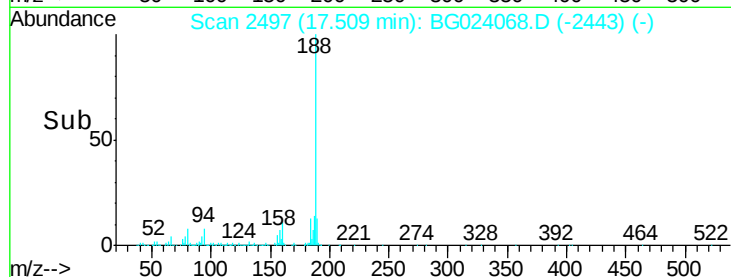
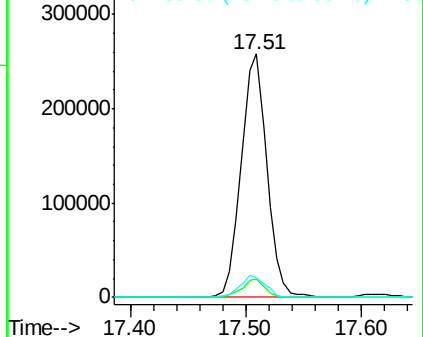
80 8.2 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3230

Delta R.T. 0.01 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

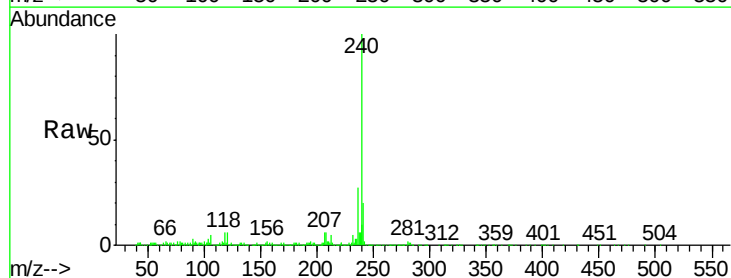
Tgt Ion:240 Resp: 406913

Ion Ratio Lower Upper

240 100

120 5.9 4.1 6.1

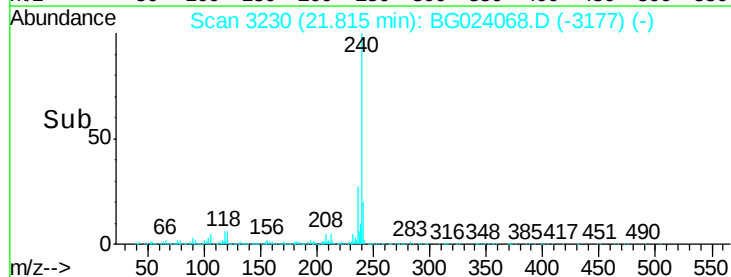
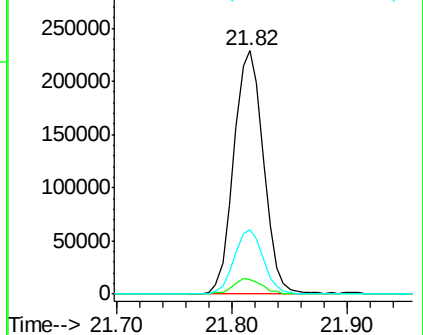
236 26.6 21.1 31.7

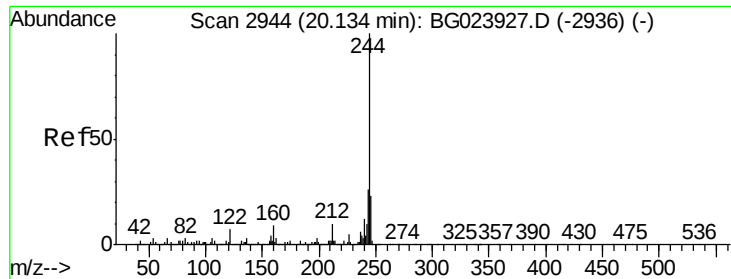


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 93.19 ng

RT: 20.11 min Scan# 2940

Delta R.T. 0.01 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

Instrument :

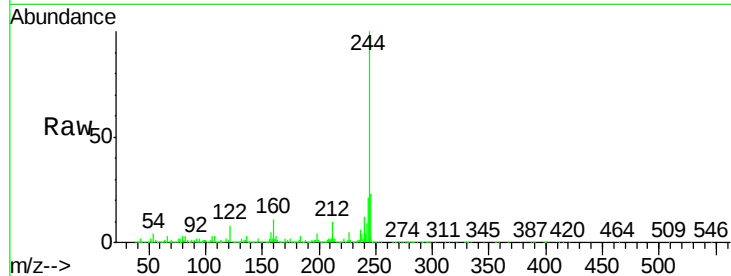
BNA_G

ClientSampleId :

091916-DRDC-F-D-M

Tot Ion:244 Resp: 1665152

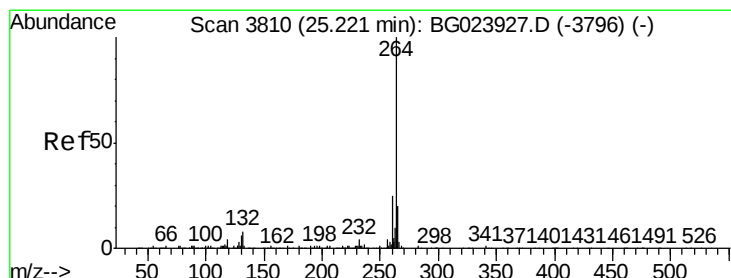
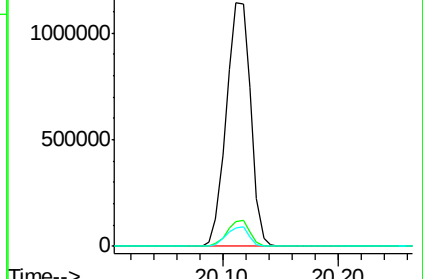
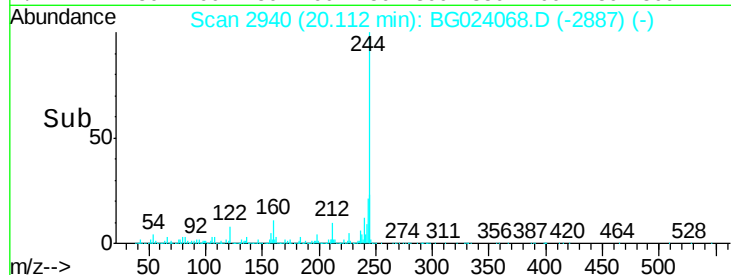
Ion	Ratio	Lower	Upper
244	100		
212	10.2	10.8	16.2#
122	7.5	8.0	12.0#



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: 20.00 ng

RT: 25.17 min Scan# 3801

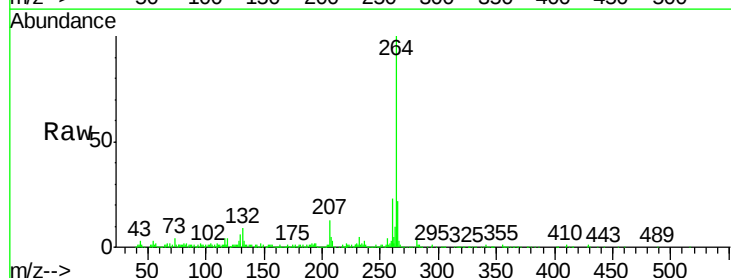
Delta R.T. 0.01 min

Lab File: BG024068.D

Acq: 22 Sep 2016 3:24

Tgt Ion:264 Resp: 361496

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.5	18.9	28.3



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

