

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092816\
 Data File : BG024152.D
 Acq On : 28 Sep 2016 19:30
 Operator : UM/SJ
 Sample : H4919-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-D-M

Quant Time: Sep 29 01:06:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

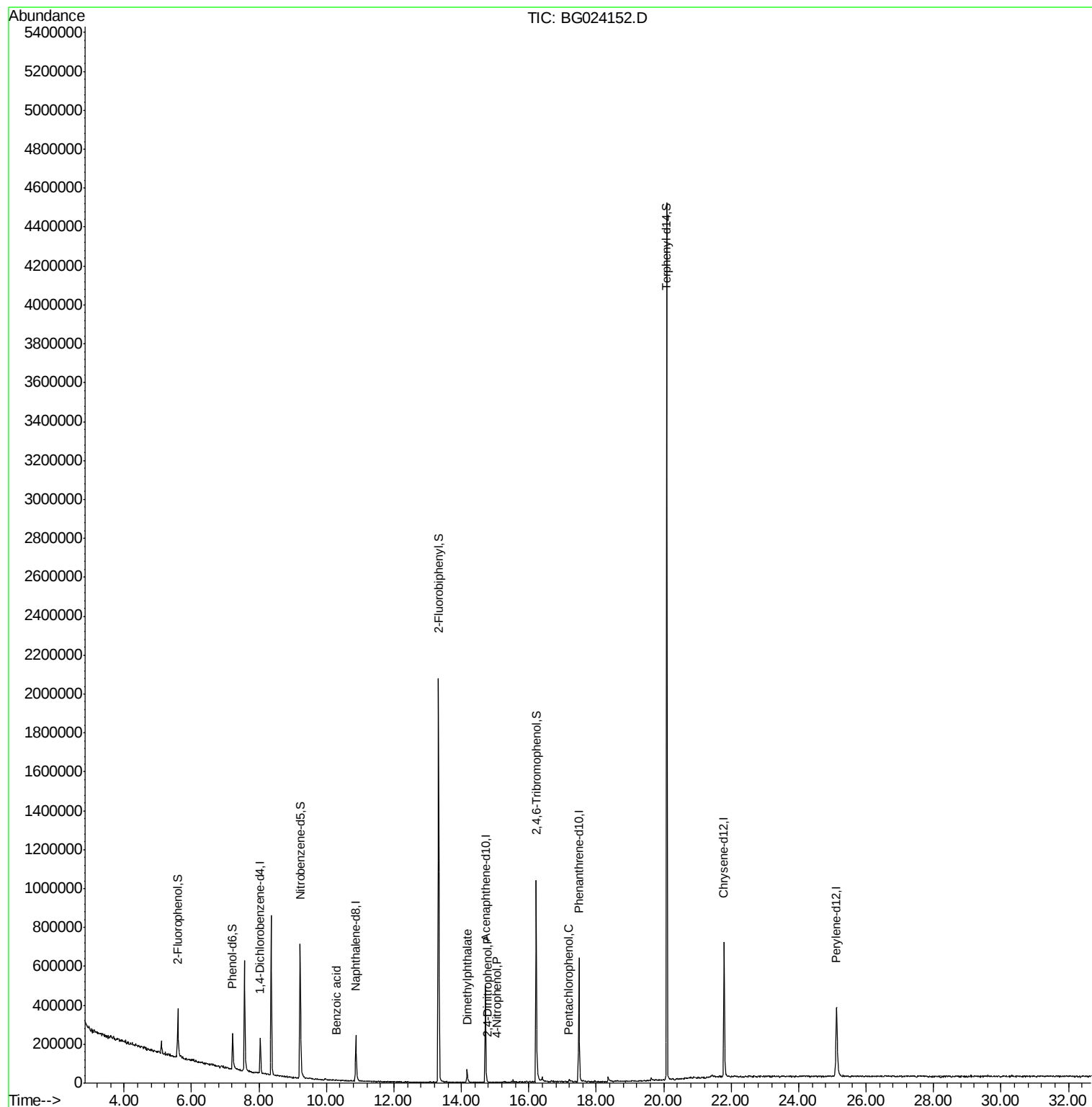
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	49231	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	224402	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	188162	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	433190	20.00	ng	0.00
75) Chrysene-d12	21.79	240	460558	20.00	ng	0.00
86) Perylene-d12	25.12	264	442186	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	128441	45.20	ng	0.00
7) Phenol-d6	7.21	99	128822	26.94	ng	0.00
23) Nitrobenzene-d5	9.22	82	508972	89.39	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	201477	74.49	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1050479	93.84	ng	0.00
78) Terphenyl-d14	20.09	244	1787897	79.49	ng	0.00
Target Compounds						
32) Benzoic acid	10.27	122	57	2.17	ng	# 32
49) Dimethylphthalate	14.17	163	50392	3.49	ng	# 96
53) 2,4-Dinitrophenol	14.79	184	60	2.49	ng	# 10
55) 4-Nitrophenol	15.04	139	53	5.37	ng	# 1
69) Pentachlorophenol	17.19	266	66	3.58	ng	# 18

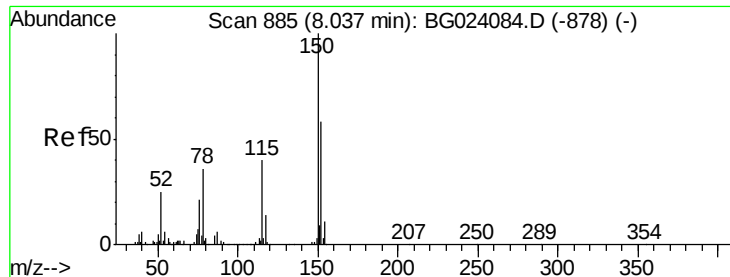
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. 0.00 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

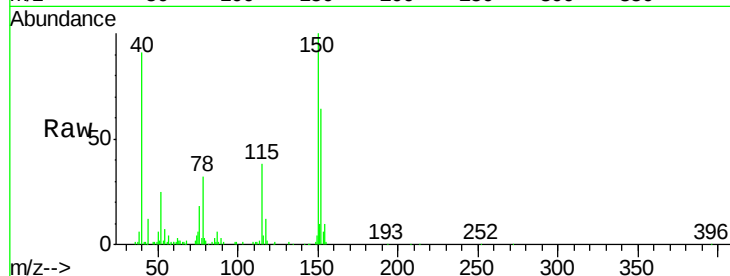
Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-D-M

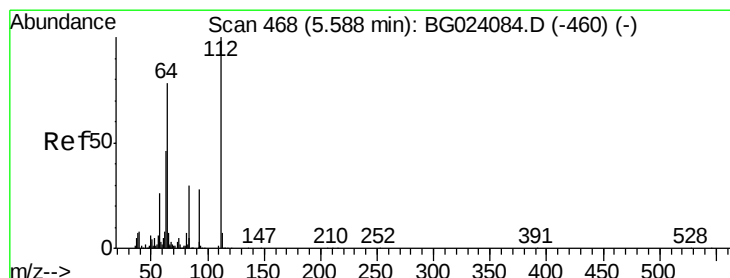
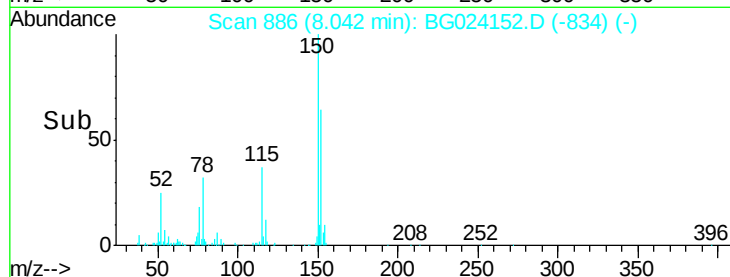
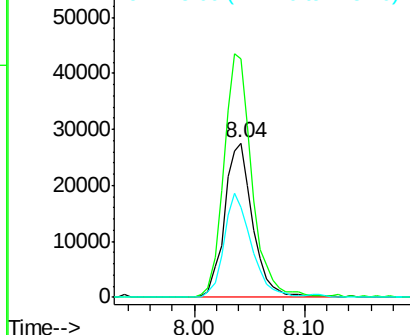
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	144.7	217.1
115	58.3	64.0	96.0



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: 45.20 ng

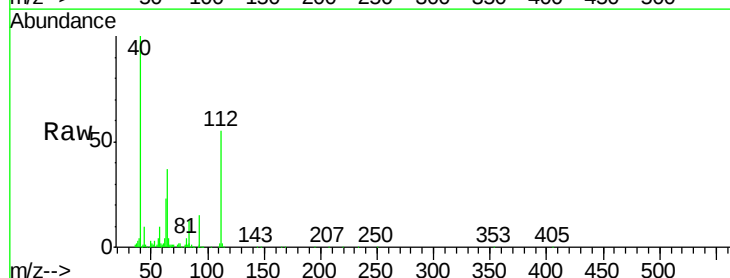
RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

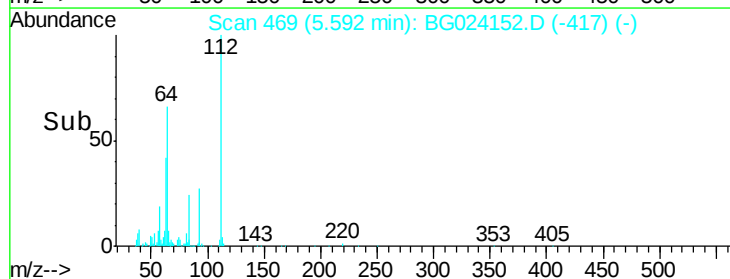
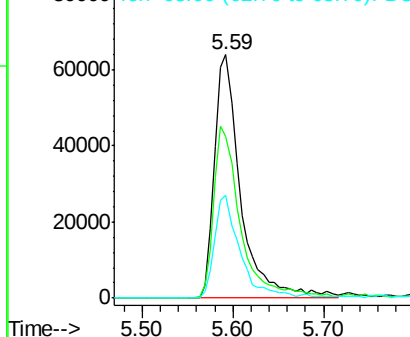
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	59.0	88.4
63	42.5	37.8	56.8

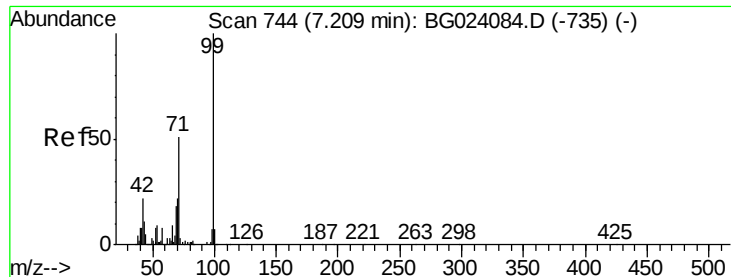


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 26.94 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.00 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-D-M

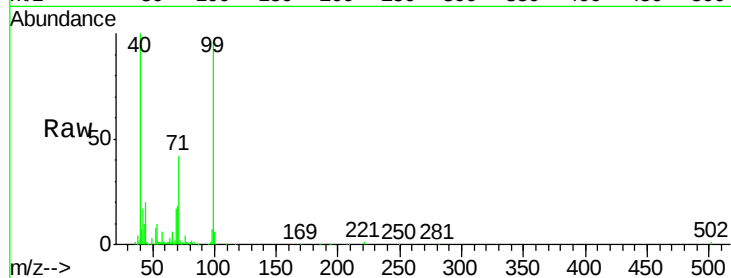
Tgt Ion: 99 Resp: 128822

Ion Ratio Lower Upper

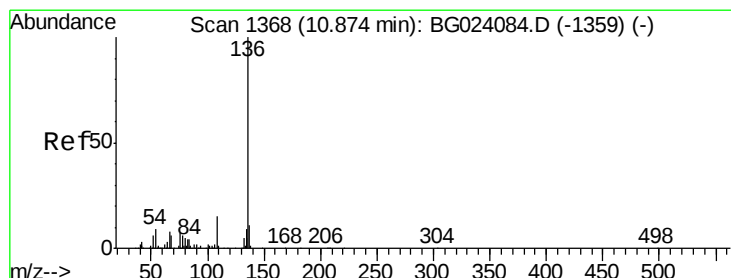
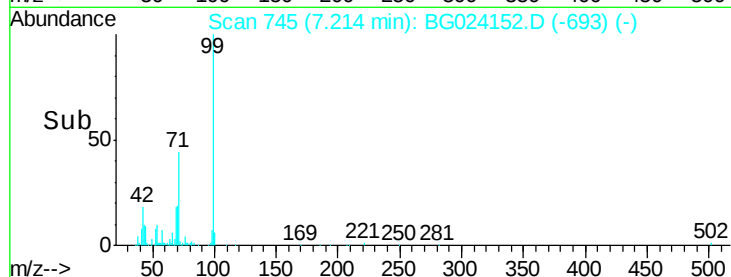
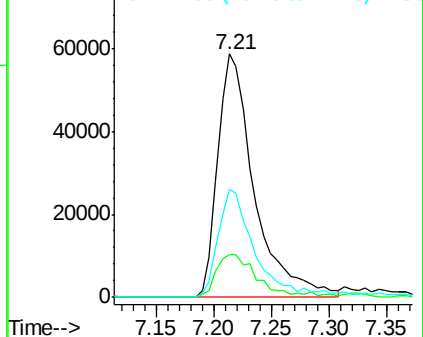
99 100

42 17.8 17.8 26.6

71 44.1 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: 10.87 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

Tgt Ion: 136 Resp: 224402

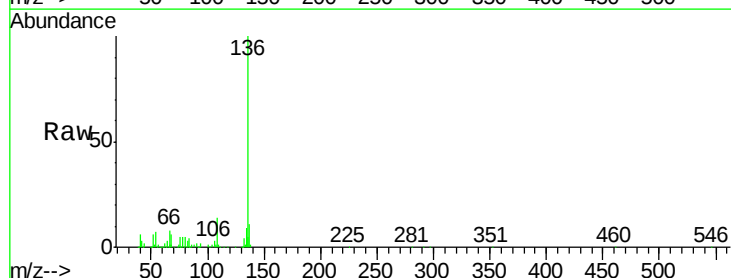
Ion Ratio Lower Upper

136 100

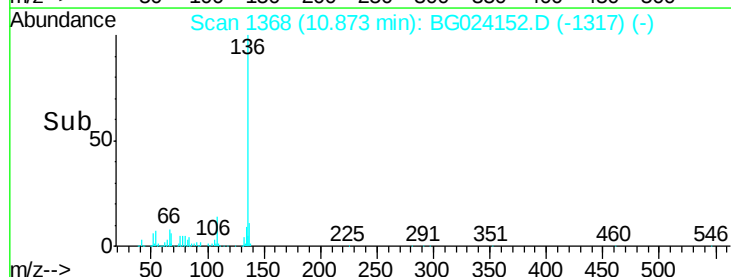
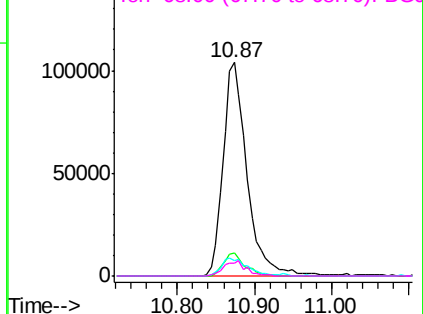
137 10.9 9.6 14.4

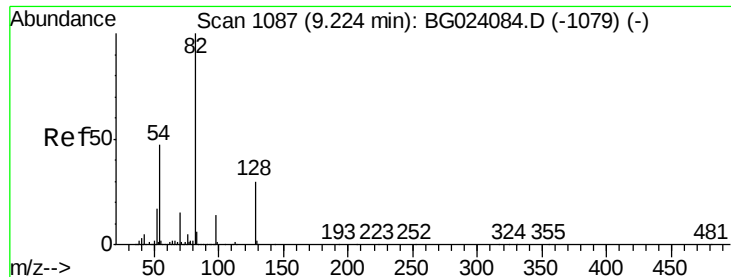
54 7.0 7.3 10.9#

68 6.1 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

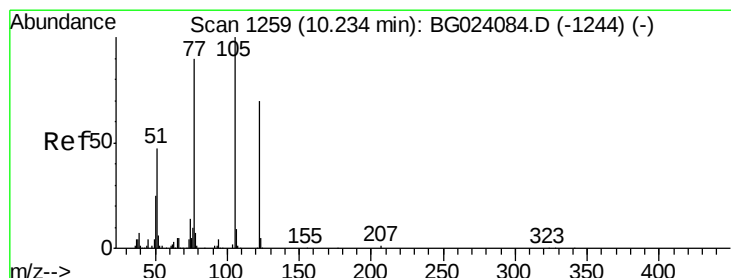
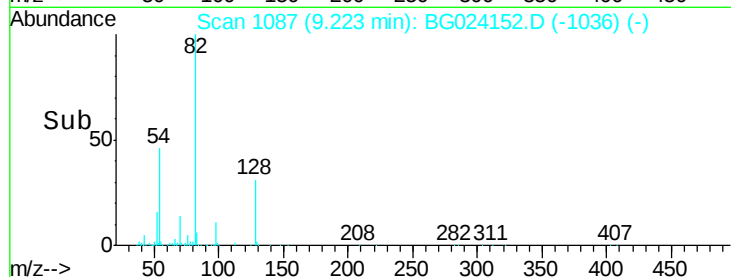
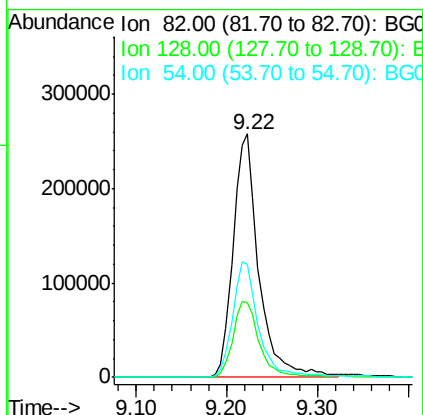
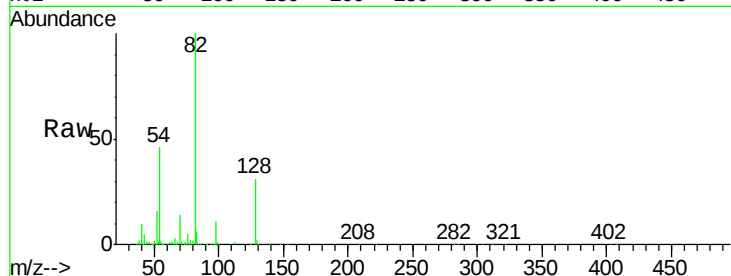




#23
 Nitrobenzene-d5
 Concen: 89.39 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BG024152.D
 Acq: 28 Sep 2016 19:30

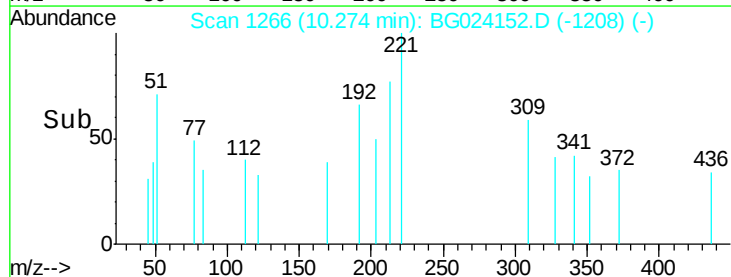
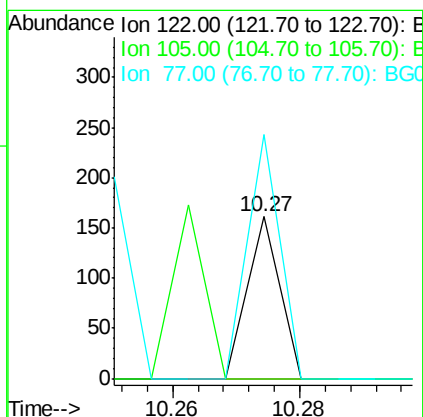
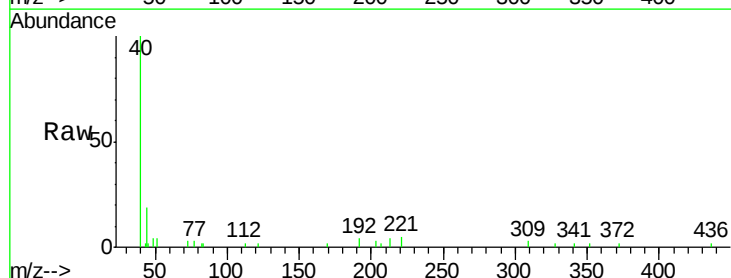
Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-D-M

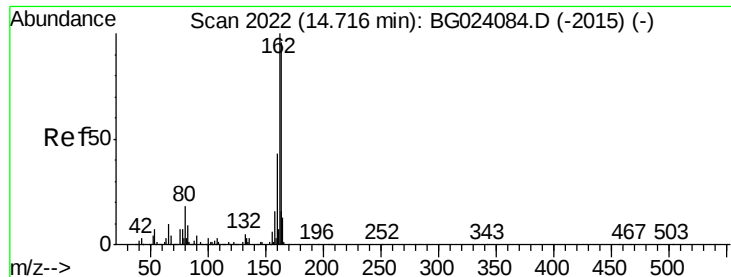
Tgt Ion: 82 Resp: 508972
 Ion Ratio Lower Upper
 82 100
 128 30.5 24.4 36.6
 54 46.4 41.4 62.0



#32
 Benzoic acid
 Concen: 2.17 ng
 RT: 10.27 min Scan# 1266
 Delta R.T. 0.04 min
 Lab File: BG024152.D
 Acq: 28 Sep 2016 19:30

Tgt Ion: 122 Resp: 57
 Ion Ratio Lower Upper
 122 100
 105 0.0 117.2 157.2#
 77 150.9 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-D-M

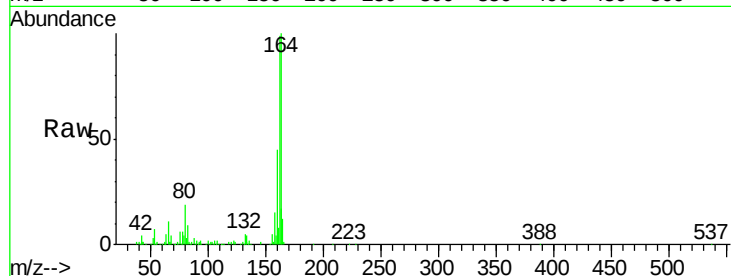
Tgt Ion:164 Resp: 188162

Ion Ratio Lower Upper

164 100

162 98.8 87.7 131.5

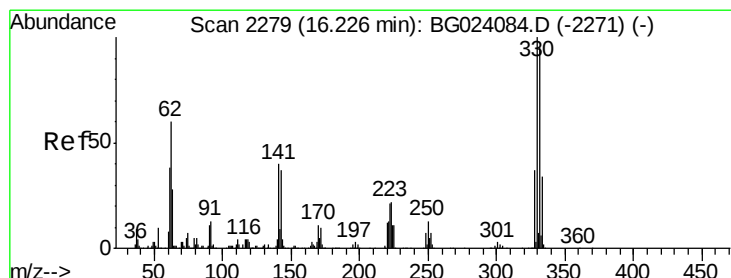
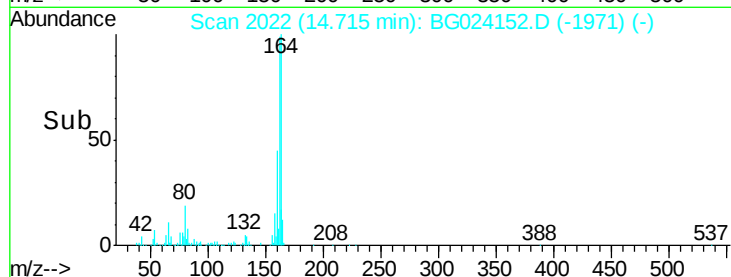
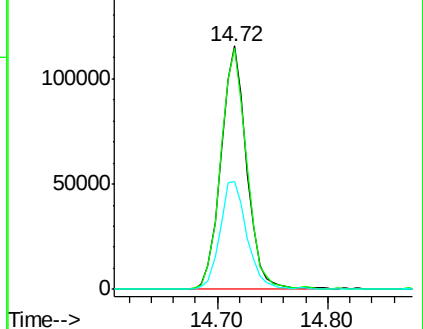
160 44.5 37.2 55.8



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: 74.49 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

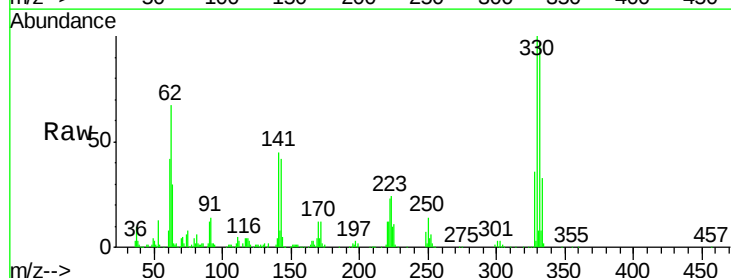
Tgt Ion:330 Resp: 201477

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

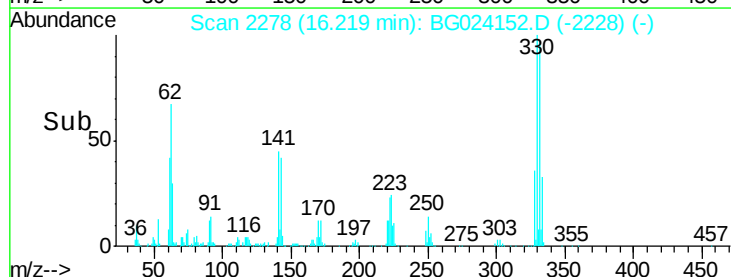
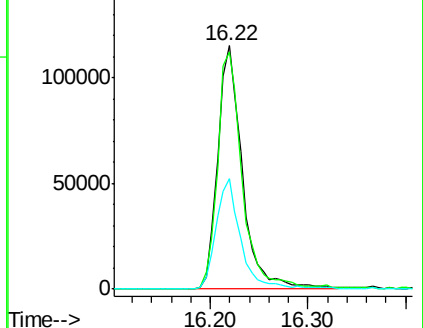
141 44.3 31.7 47.5

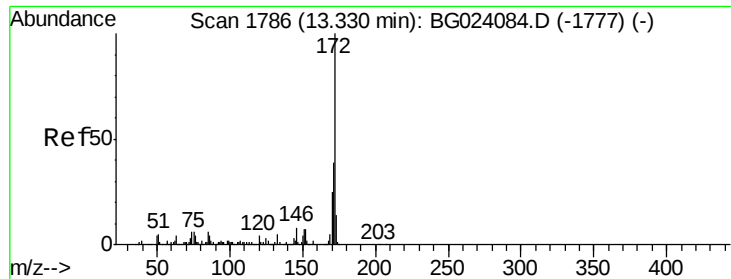


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

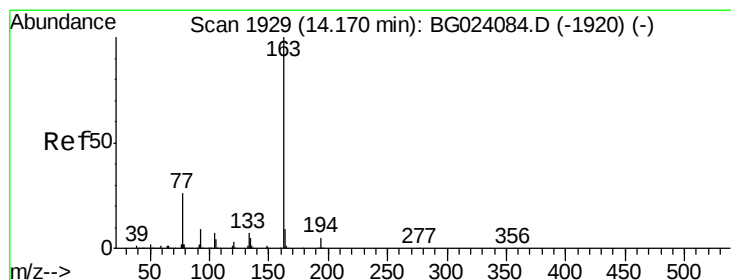
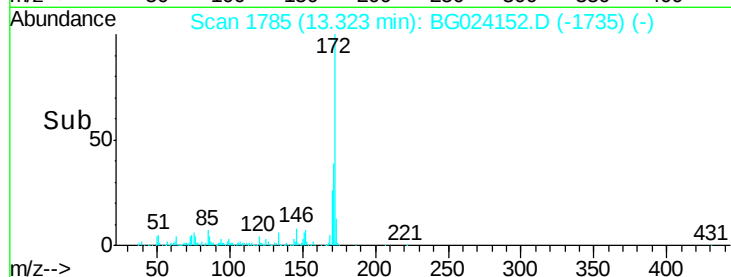
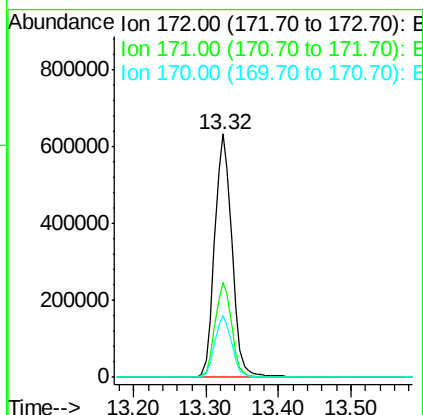
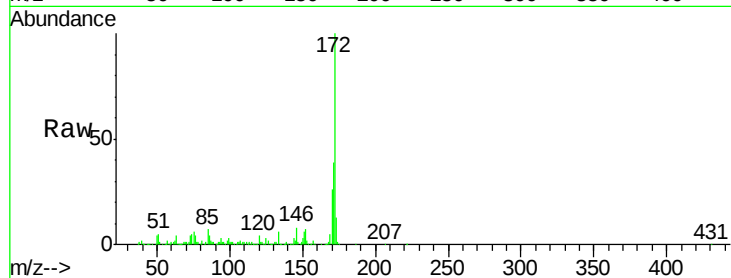




#44
2-Fluorobiphenyl
Concen: 93.84 ng
RT: 13.32 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BG024152.D
Acq: 28 Sep 2016 19:30

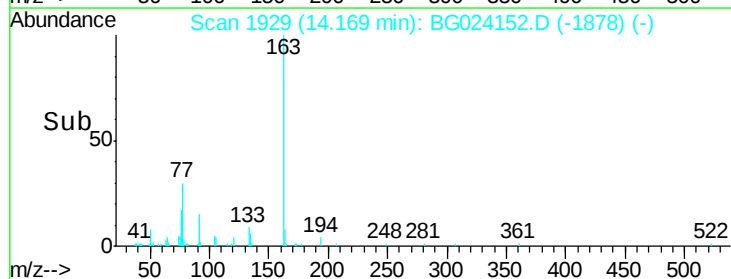
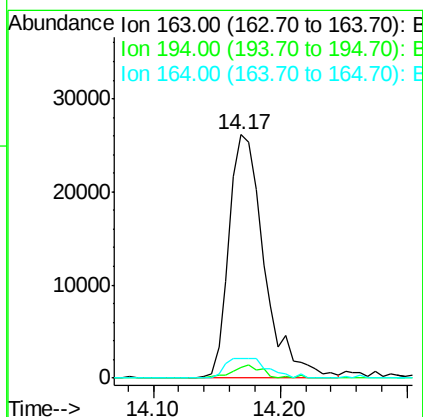
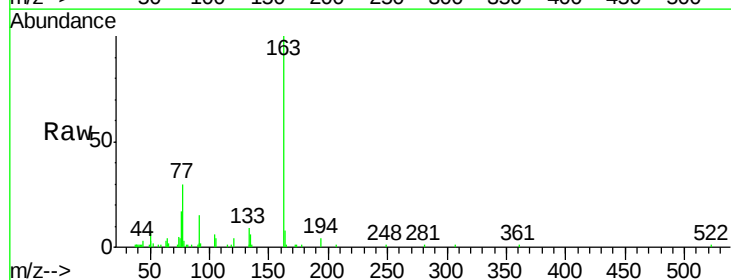
Instrument :
BNA_G
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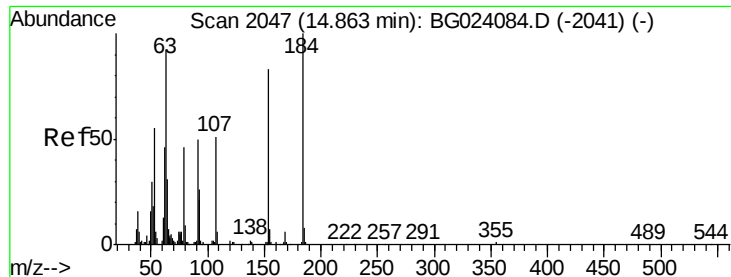
Tgt Ion:172 Resp: 1050479
Ion Ratio Lower Upper
172 100
171 39.2 31.6 47.4
170 25.6 21.3 31.9



#49
Dimethylphthalate
Concen: 3.49 ng
RT: 14.17 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BG024152.D
Acq: 28 Sep 2016 19:30

Tgt Ion:163 Resp: 50392
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 8.1 8.1 12.1#

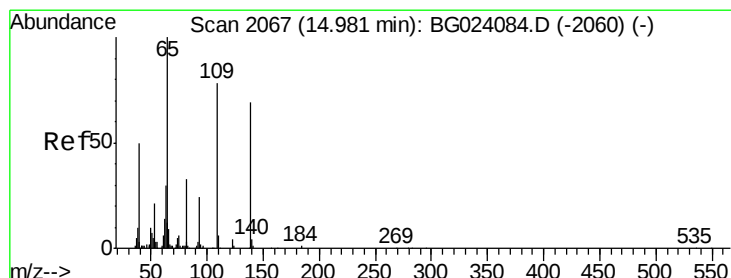
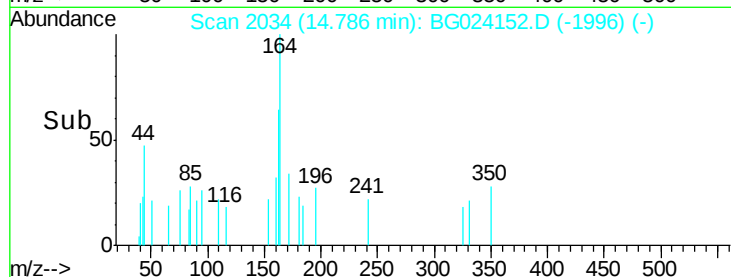
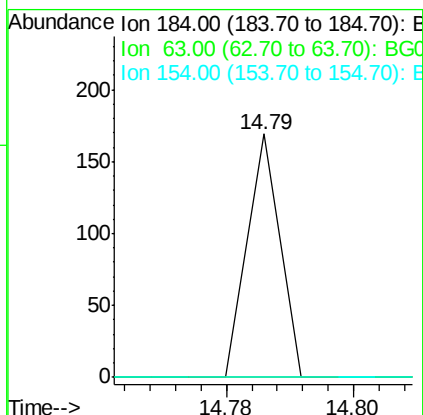
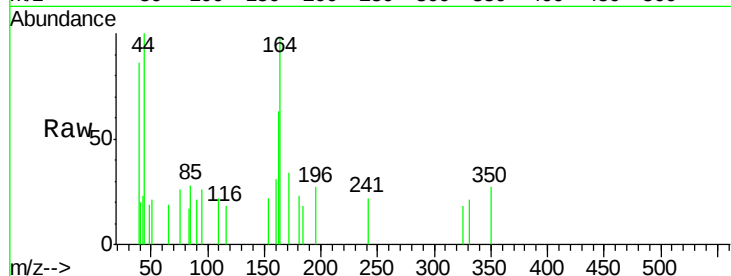




#53
 2,4-Dinitrophenol
 Concen: 2.49 ng
 RT: 14.79 min Scan# 2034
 Delta R.T. -0.08 min
 Lab File: BG024152.D
 Acq: 28 Sep 2016 19:30

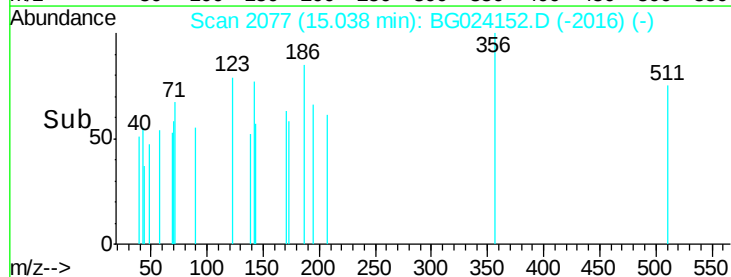
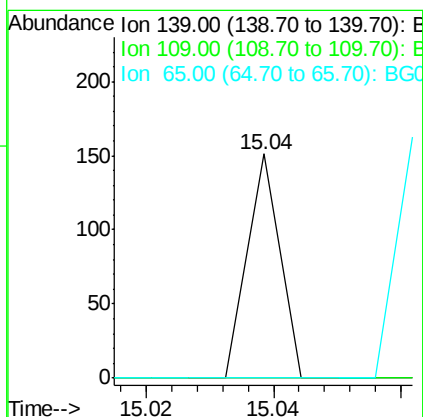
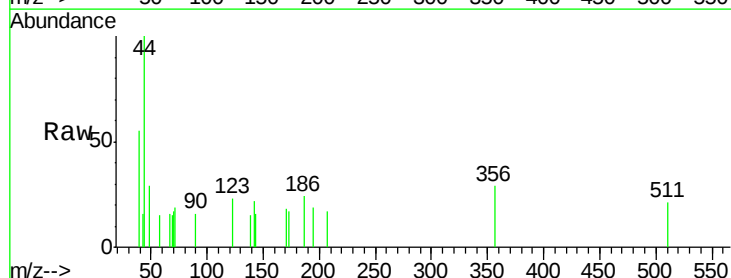
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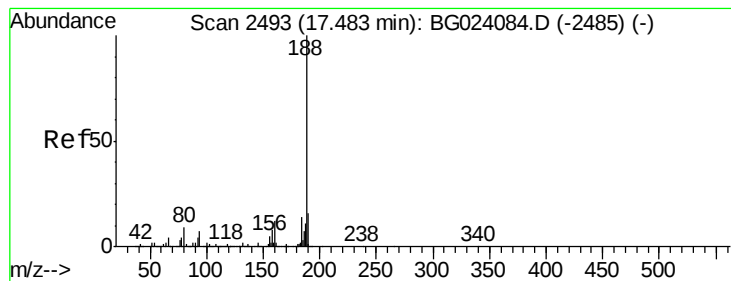
Tgt Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.6 89.4#
 154 0.0 67.4 101.0#



#55
 4-Nitrophenol
 Concen: 5.37 ng
 RT: 15.04 min Scan# 2077
 Delta R.T. 0.06 min
 Lab File: BG024152.D
 Acq: 28 Sep 2016 19:30

Tgt Ion:139 Resp: 53
 Ion Ratio Lower Upper
 139 100
 109 0.0 103.0 143.0#
 65 0.0 112.7 152.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-D-M

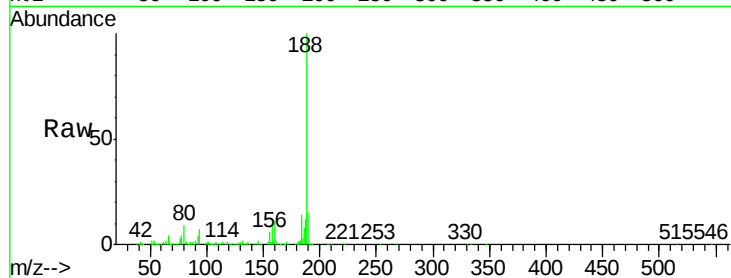
Tgt Ion:188 Resp: 433190

Ion Ratio Lower Upper

188 100

94 6.9 5.2 7.8

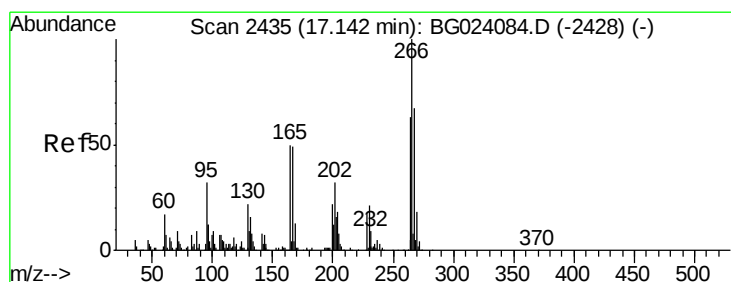
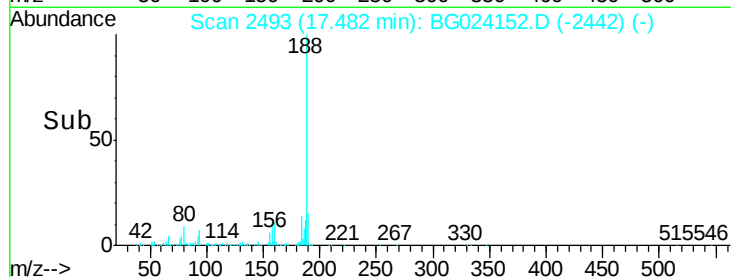
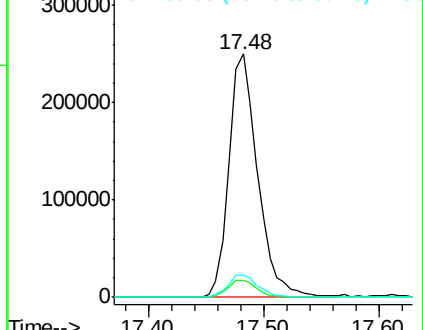
80 9.3 7.2 10.8



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



#69

Pentachlorophenol

Concen: 3.58 ng

RT: 17.19 min Scan# 2444

Delta R.T. 0.05 min

Lab File: BG024152.D

Acq: 28 Sep 2016 19:30

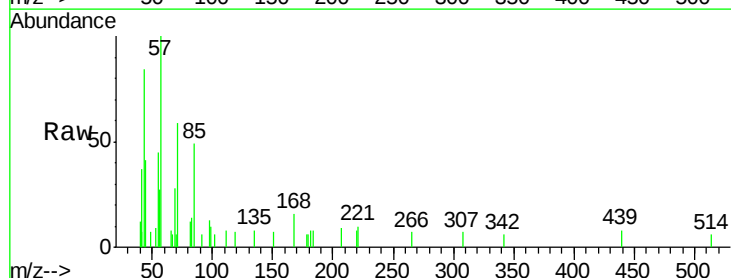
Tgt Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

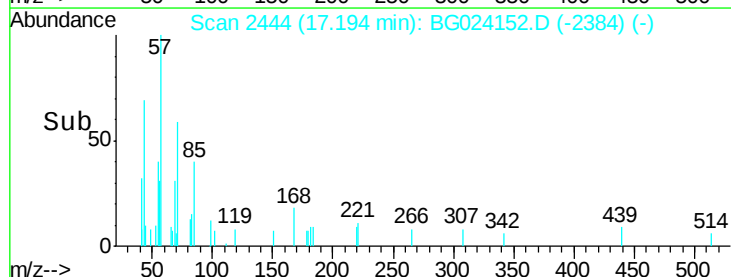
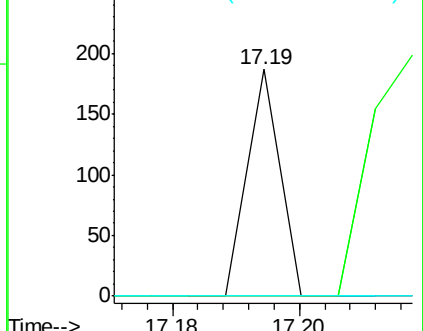
264 0.0 50.6 75.8#

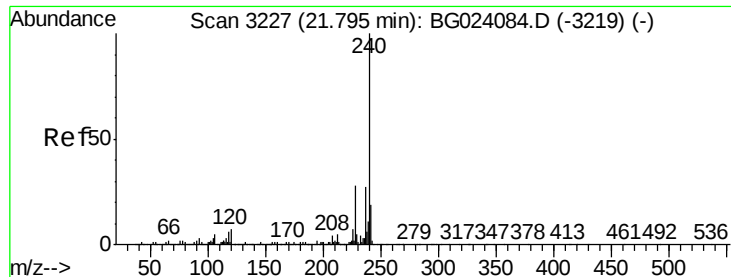


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

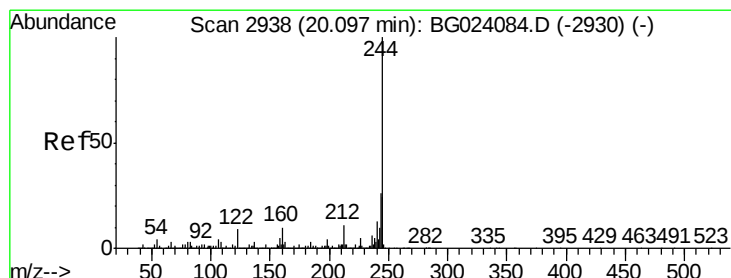
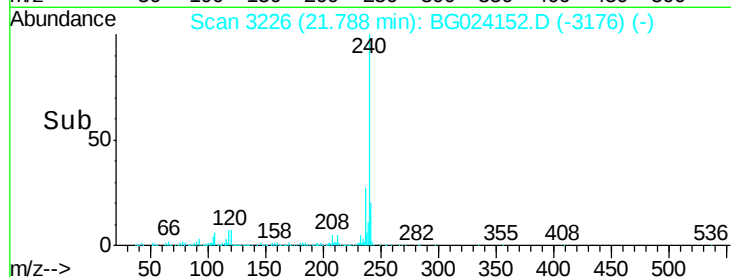
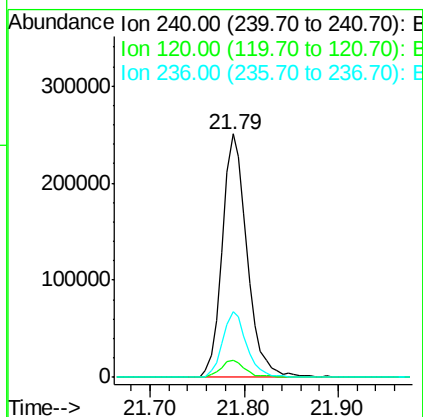
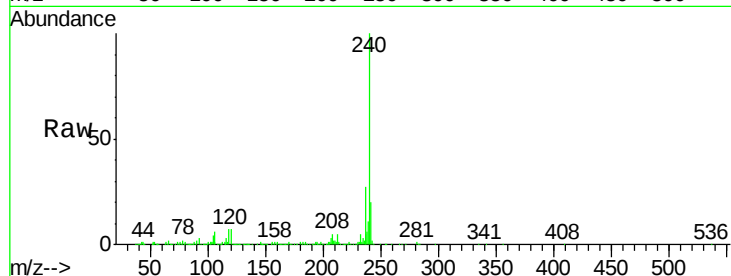




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BG024152.D
Acq: 28 Sep 2016 19:30

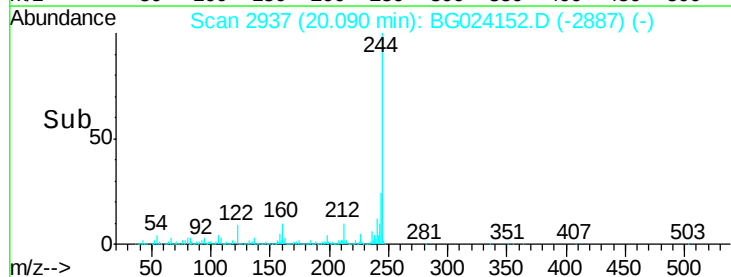
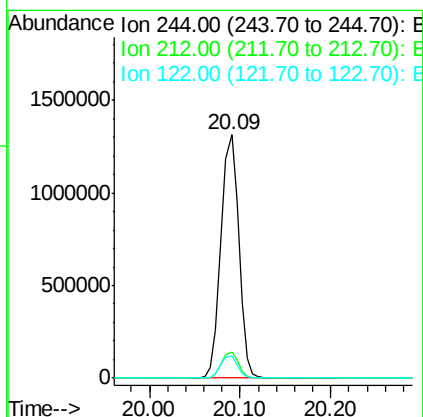
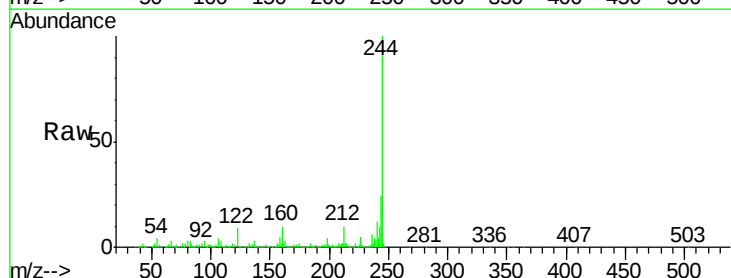
Instrument :
BNA_G
ClientSampleId :
092216-DRDC-E-D-M

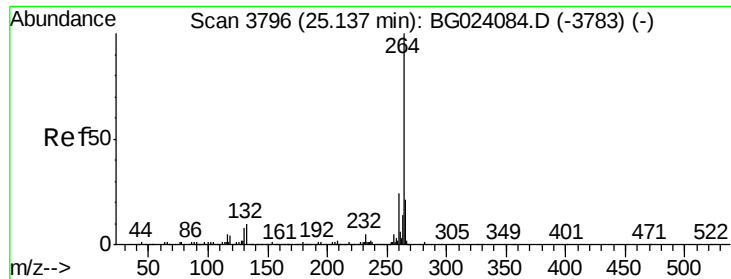
Tgt Ion:240 Resp: 460558
Ion Ratio Lower Upper
240 100
120 7.0 4.1 6.1#
236 26.9 21.1 31.7



#78
Terphenyl-d14
Concen: 79.49 ng
RT: 20.09 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BG024152.D
Acq: 28 Sep 2016 19:30

Tgt Ion:244 Resp: 1787897
Ion Ratio Lower Upper
244 100
212 10.5 10.8 16.2#
122 9.0 8.0 12.0

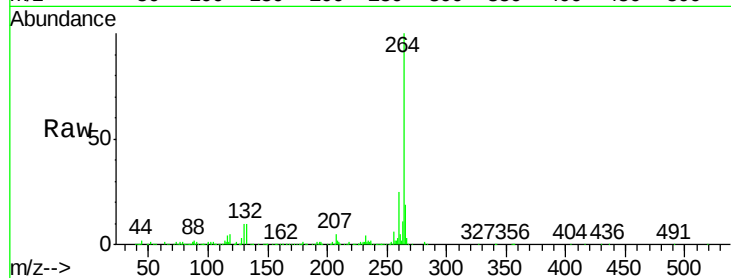




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.12 min Scan# 3794
Delta R.T. -0.01 min
Lab File: BG024152.D
Acq: 28 Sep 2016 19:30

Instrument :
BNA_G
ClientSampleId :
092216-DRDC-E-D-M

Tgt Ion:	264	Resp:	442186
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.4	27.6
265	19.4	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

