

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092816\
 Data File : BG024155.D
 Acq On : 28 Sep 2016 21:25
 Operator : UM/SJ
 Sample : H4992-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 092716-DRDC-F-U-M

Quant Time: Sep 29 01:07:16 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

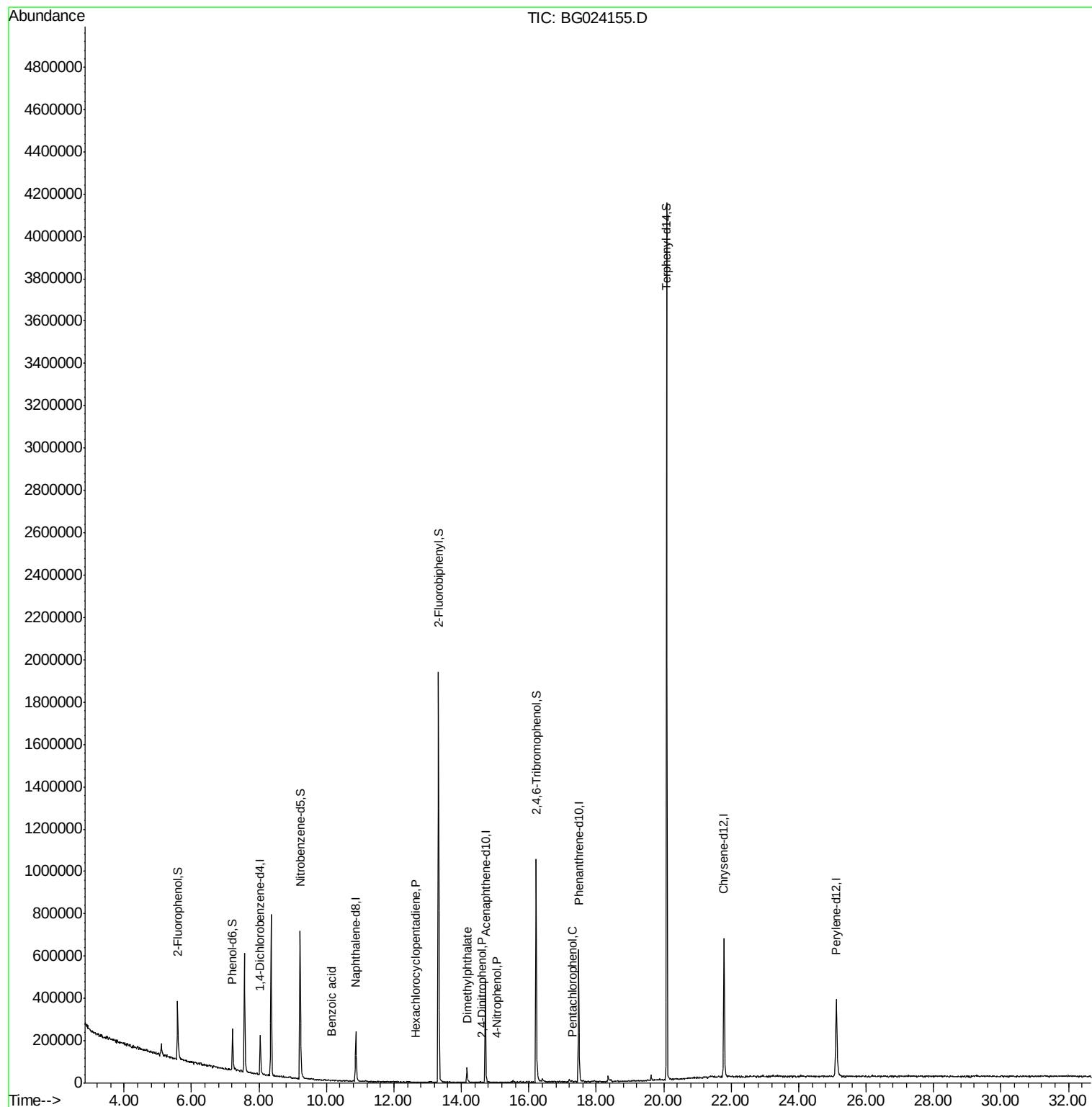
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46316	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	204003	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	169589	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	390532	20.00	ng	0.00
75) Chrysene-d12	21.79	240	433409	20.00	ng	0.00
86) Perylene-d12	25.11	264	414289	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	130098	48.66	ng	0.00
7) Phenol-d6	7.21	99	123166	27.38	ng	0.00
23) Nitrobenzene-d5	9.22	82	476761	92.11	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	188000	77.12	ng	-0.01
44) 2-Fluorobiphenyl	13.32	172	970043	96.15	ng	0.00
78) Terphenyl-d14	20.09	244	1633119	77.16	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.16	122	63	2.18	ng	# 1
40) Hexachlorocyclopentadiene	12.64	237	58	3.61	ng	# 26
49) Dimethylphthalate	14.17	163	50547	3.89	ng	98
53) 2,4-Dinitrophenol	14.60	184	59	2.49	ng	# 10
55) 4-Nitrophenol	15.06	139	55	5.37	ng	# 34
69) Pentachlorophenol	17.30	266	65	3.59	ng	# 18

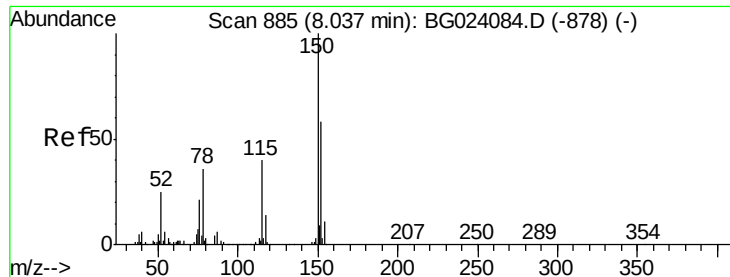
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

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BNA_G

ClientSampleId :

092716-DRDC-F-U-M

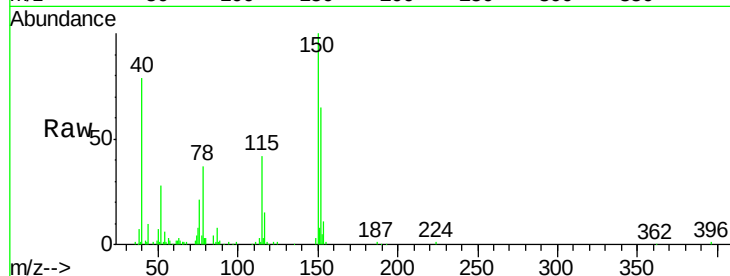
Tgt Ion:152 Resp: 46316

Ion Ratio Lower Upper

152 100

150 153.0 144.7 217.1

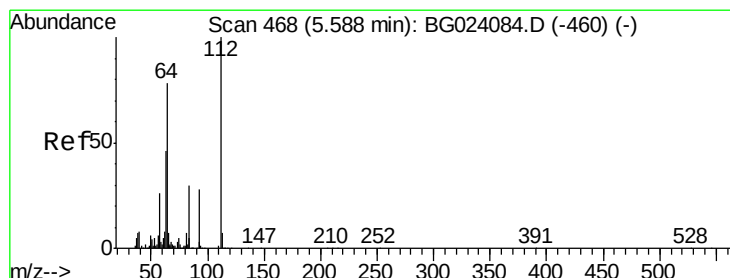
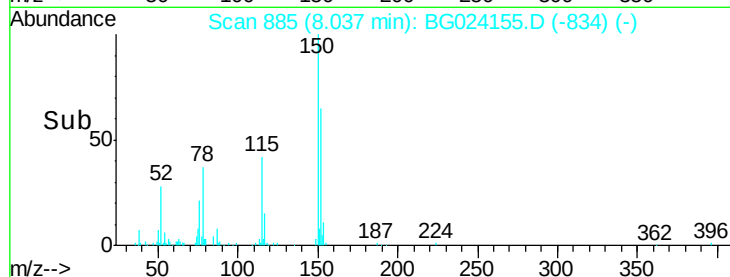
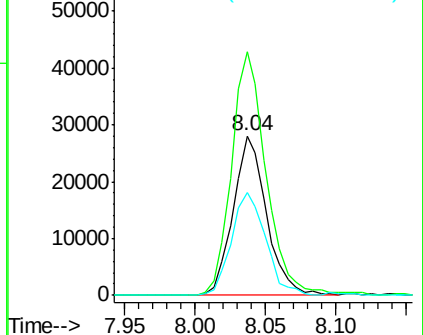
115 65.0 64.0 96.0



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: 48.66 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

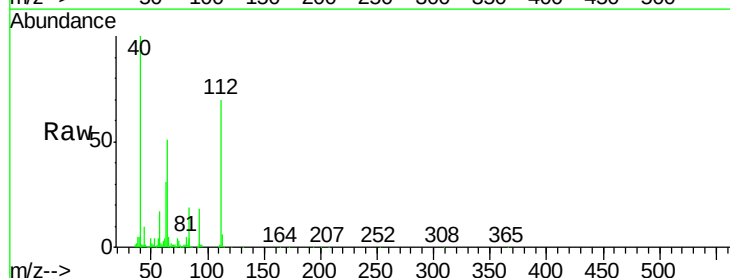
Tgt Ion:112 Resp: 130098

Ion Ratio Lower Upper

112 100

64 72.2 59.0 88.4

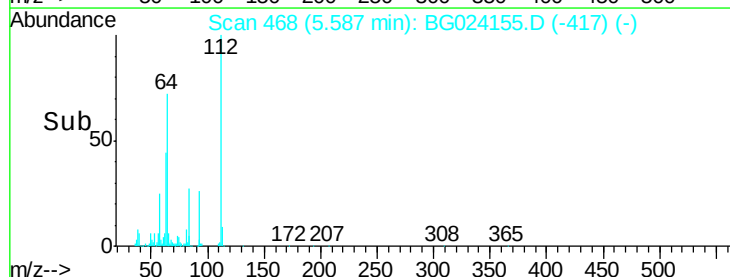
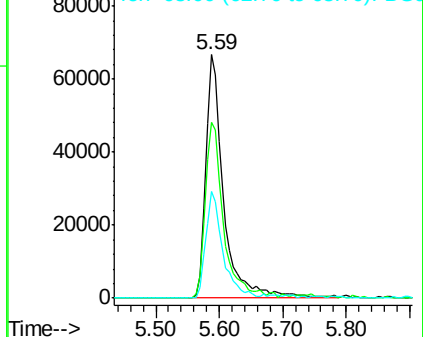
63 44.1 37.8 56.8

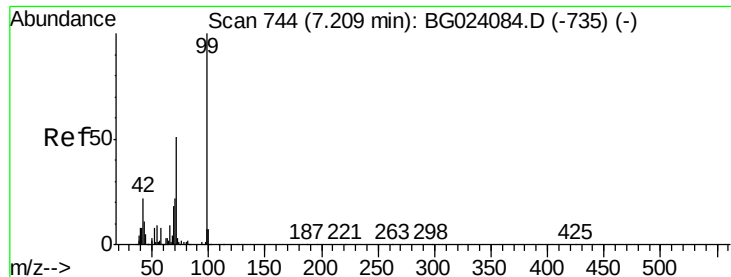


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.38 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-U-M

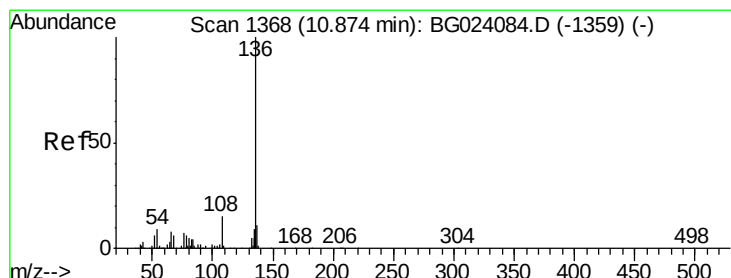
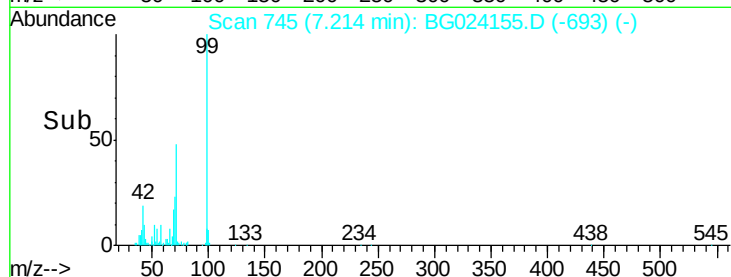
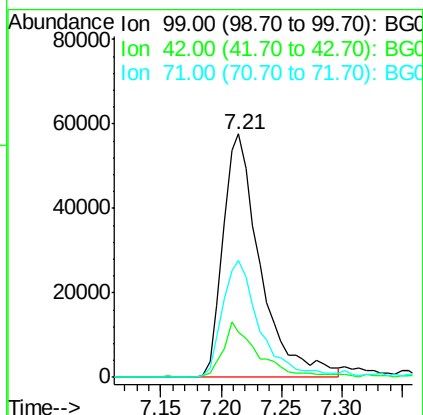
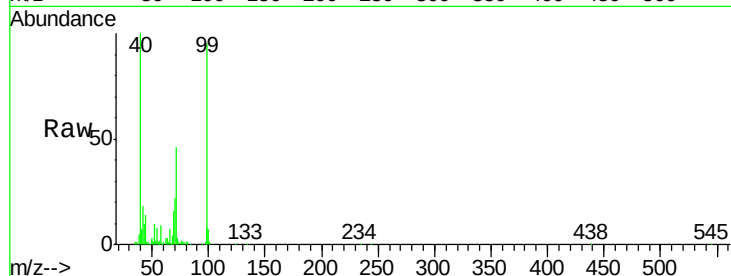
Tgt Ion: 99 Resp: 123166

Ion Ratio Lower Upper

99 100

42 18.5 17.8 26.6

71 48.2 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Tgt Ion: 136 Resp: 204003

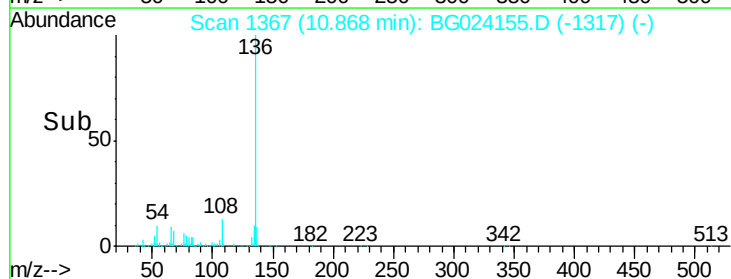
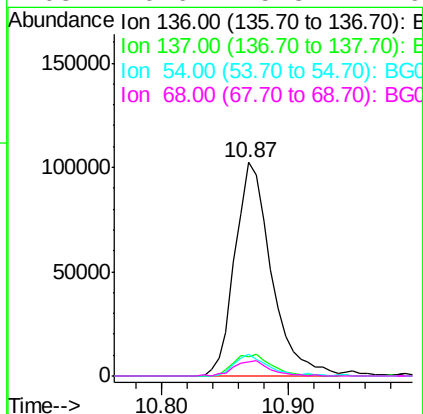
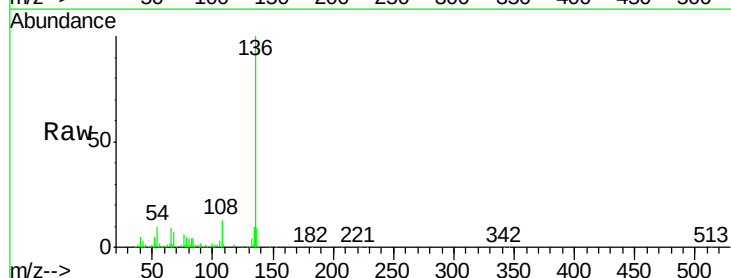
Ion Ratio Lower Upper

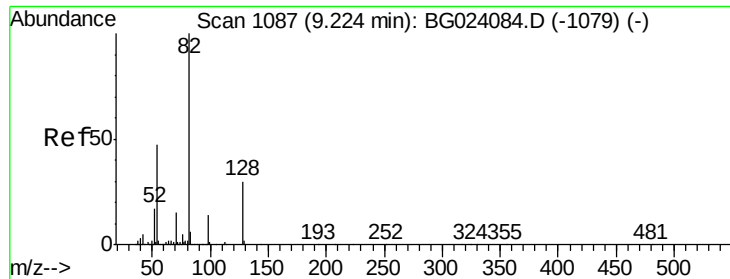
136 100

137 9.2 9.6 14.4#

54 10.2 7.3 10.9

68 6.6 5.3 7.9

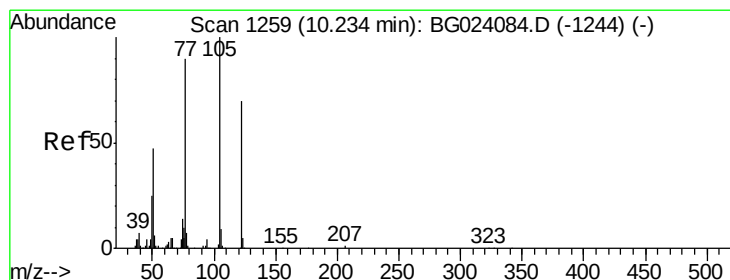
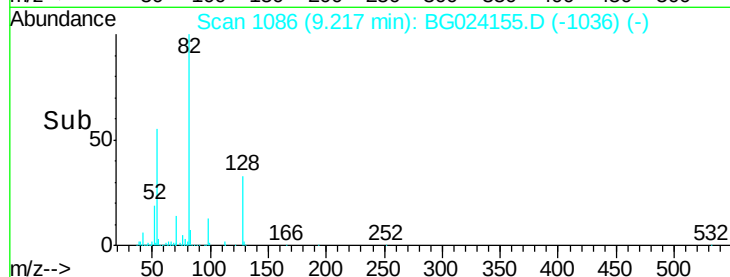
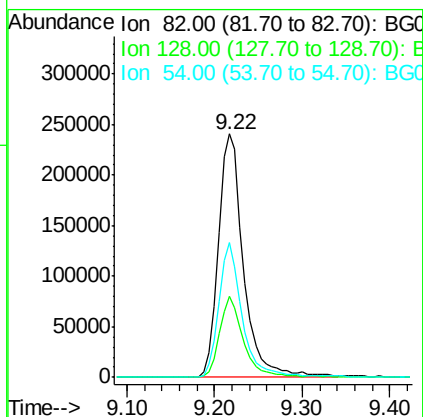
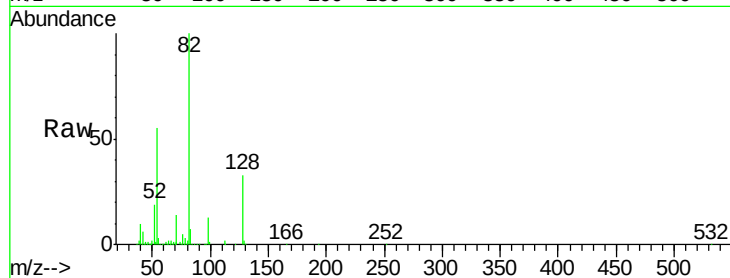




#23
 Nitrobenzene-d5
 Concen: 92.11 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BG024155.D
 Acq: 28 Sep 2016 21:25

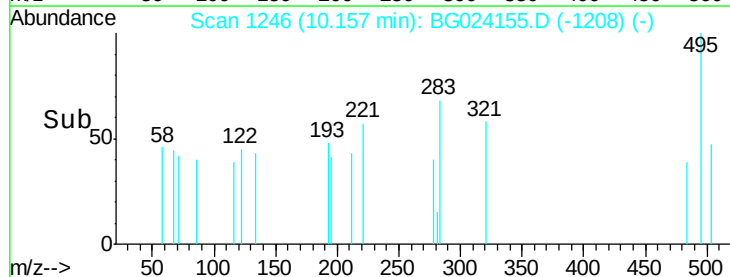
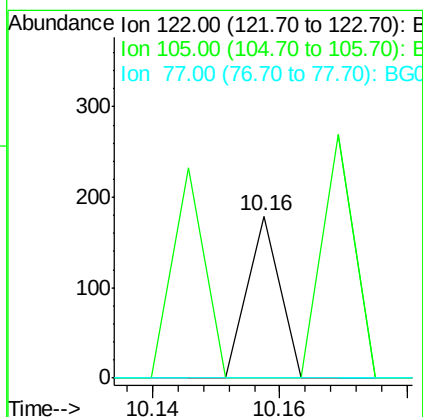
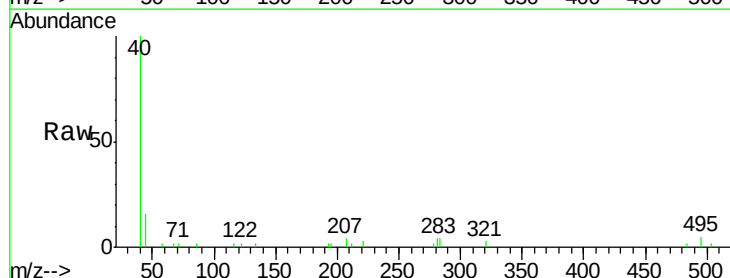
Instrument :
 BNA_G
 ClientSampleId :
 092716-DRDC-F-U-M

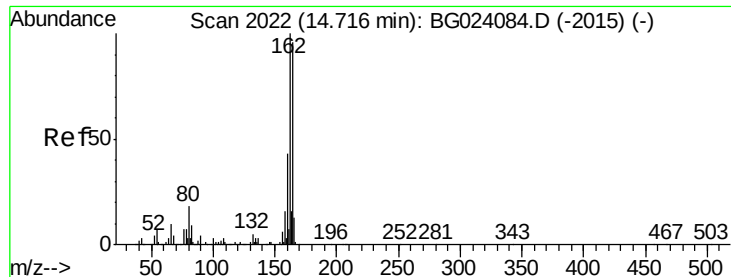
Tgt Ion: 82 Resp: 476761
 Ion Ratio Lower Upper
 82 100
 128 33.4 24.4 36.6
 54 55.4 41.4 62.0



#32
 Benzoic acid
 Concen: 2.18 ng
 RT: 10.16 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: BG024155.D
 Acq: 28 Sep 2016 21:25

Tgt Ion: 122 Resp: 63
 Ion Ratio Lower Upper
 122 100
 105 0.0 117.2 157.2#
 77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-U-M

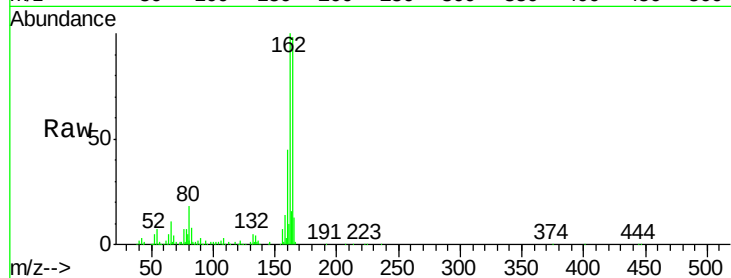
Tgt Ion:164 Resp: 169589

Ion Ratio Lower Upper

164 100

162 101.7 87.7 131.5

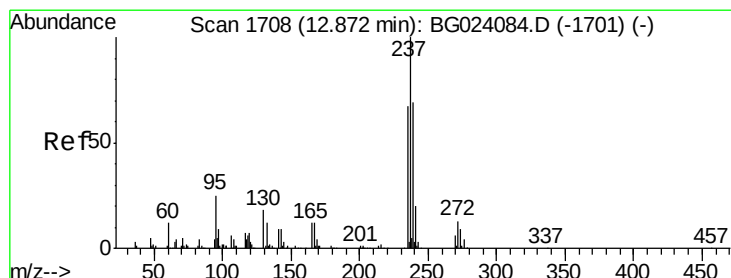
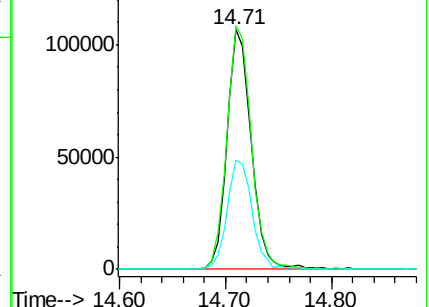
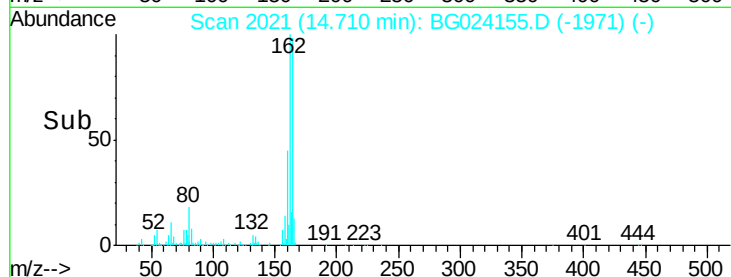
160 45.4 37.2 55.8



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



#40

Hexachlorocyclopentadiene

Concen: 3.61 ng

RT: 12.64 min Scan# 1668

Delta R.T. -0.23 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

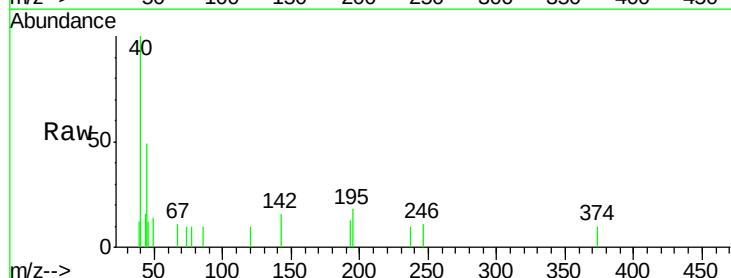
Tgt Ion:237 Resp: 58

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

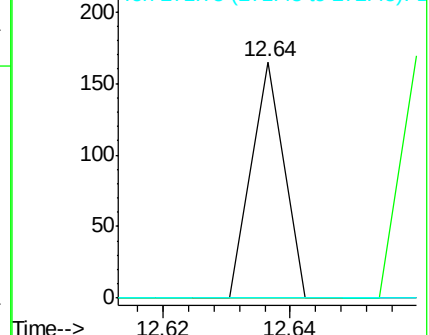
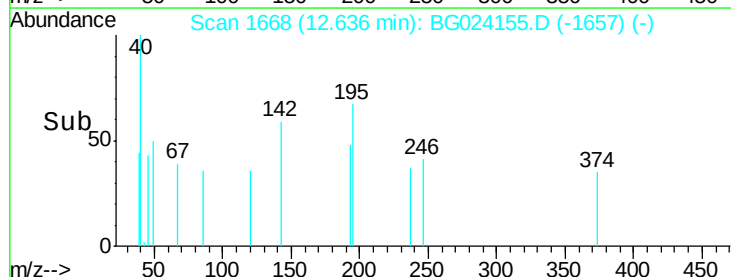
272 0.0 0.0 30.9

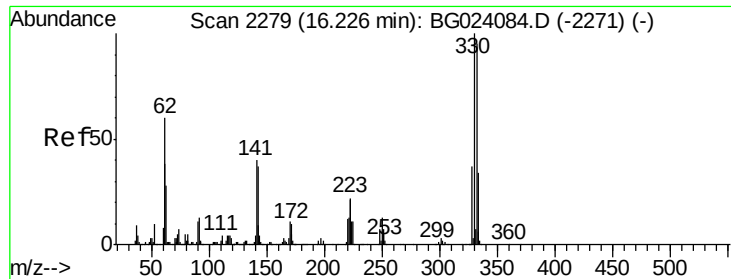


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

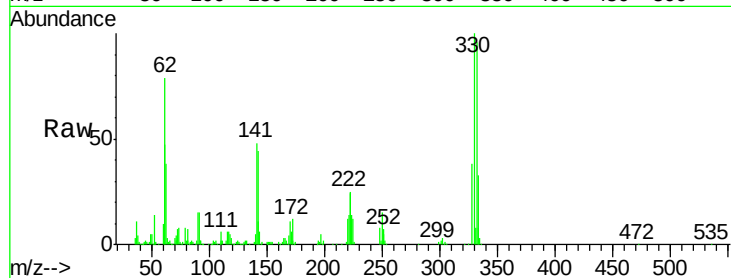




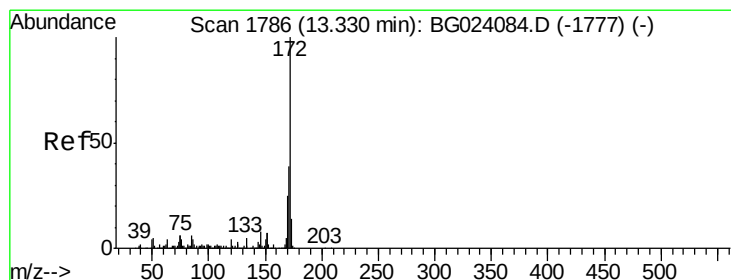
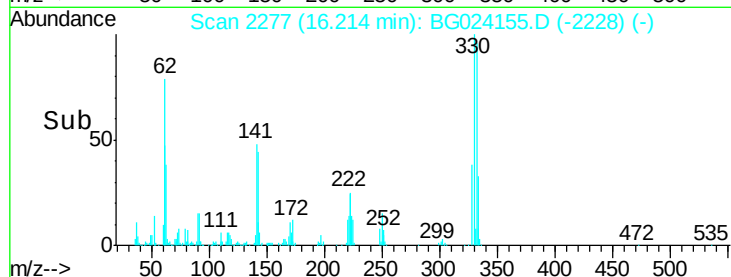
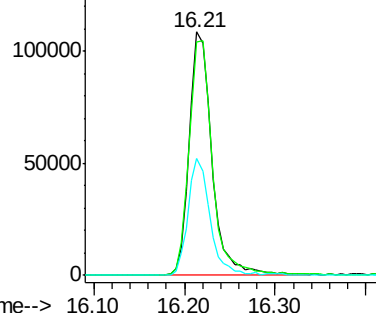
#41
 2,4,6-Tribromophenol
 Concen: 77.12 ng
 RT: 16.21 min Scan# 2277
 Delta R.T. -0.01 min
 Lab File: BG024155.D
 Acq: 28 Sep 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 092716-DRDC-F-U-M

Tgt Ion:330 Resp: 188000
 Ion Ratio Lower Upper
 330 100
 332 99.3 77.4 116.2
 141 46.3 31.7 47.5

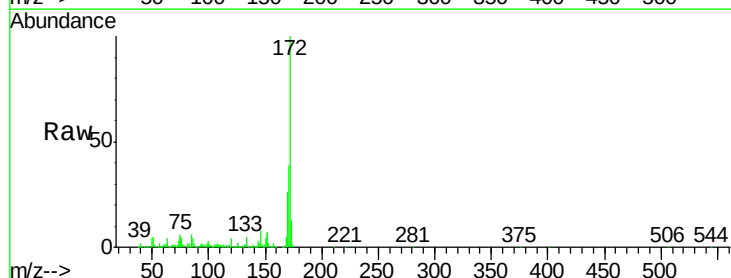


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

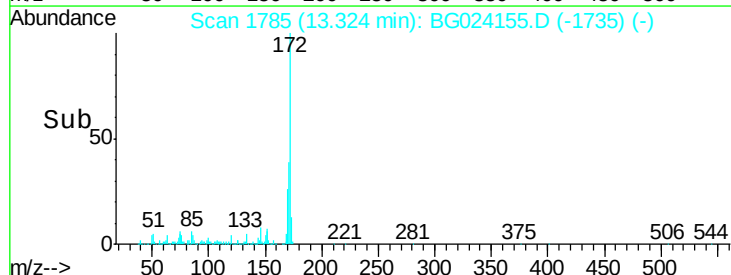
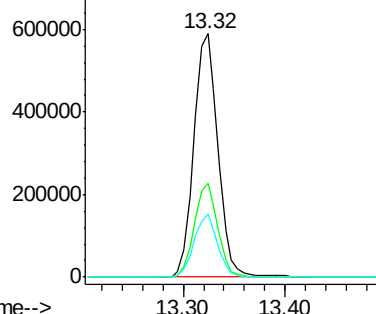


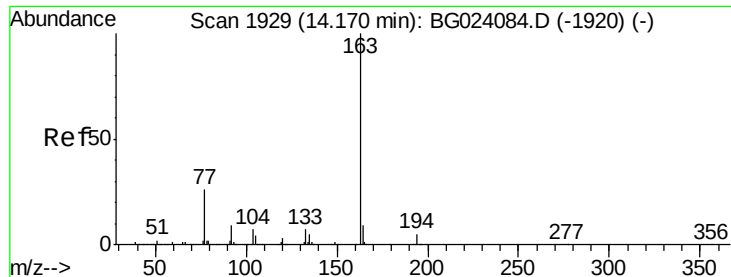
#44
 2-Fluorobiphenyl
 Concen: 96.15 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024155.D
 Acq: 28 Sep 2016 21:25

Tgt Ion:172 Resp: 970043
 Ion Ratio Lower Upper
 172 100
 171 38.5 31.6 47.4
 170 25.7 21.3 31.9



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





#49

Dimethylphthalate

Concen: 3.89 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-U-M

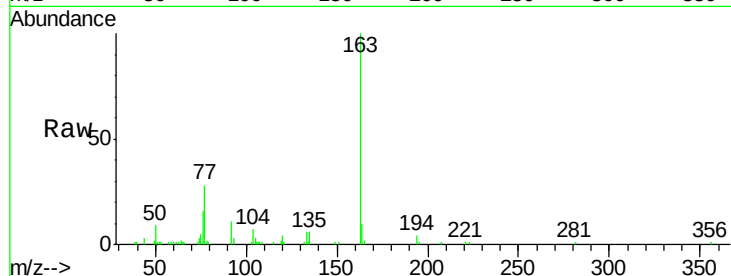
Tgt Ion:163 Resp: 50547

Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

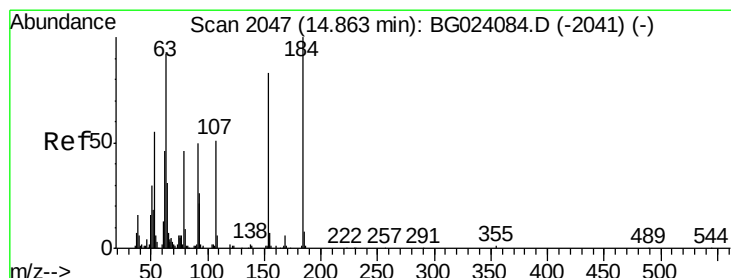
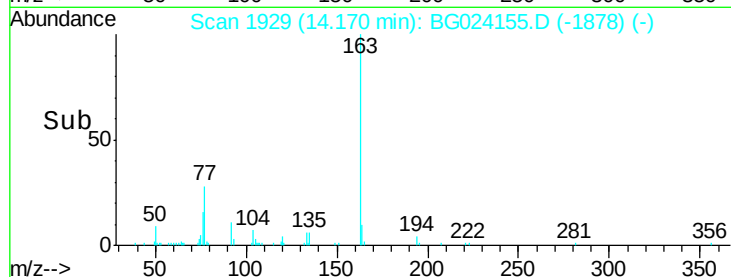
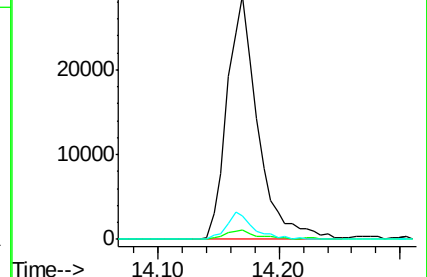
164 9.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 2.49 ng

RT: 14.60 min Scan# 2003

Delta R.T. -0.26 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

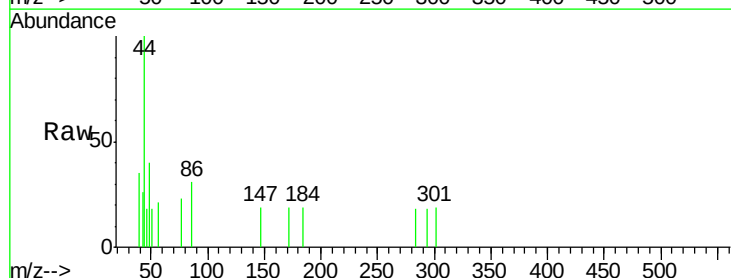
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

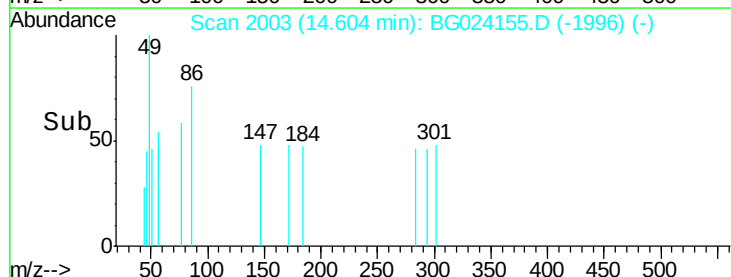
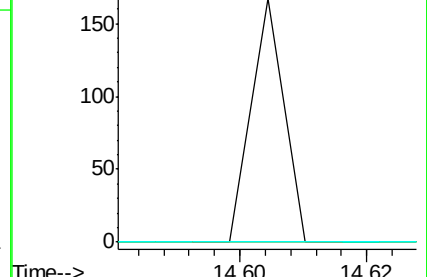
154 0.0 67.4 101.0#

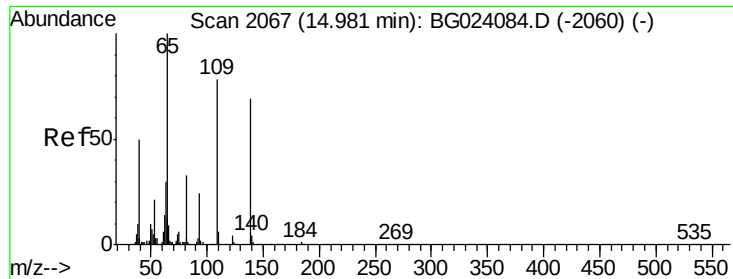


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

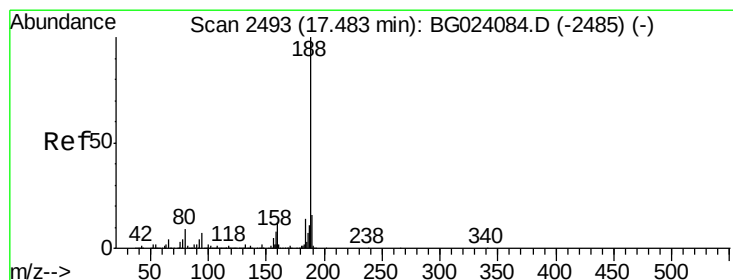
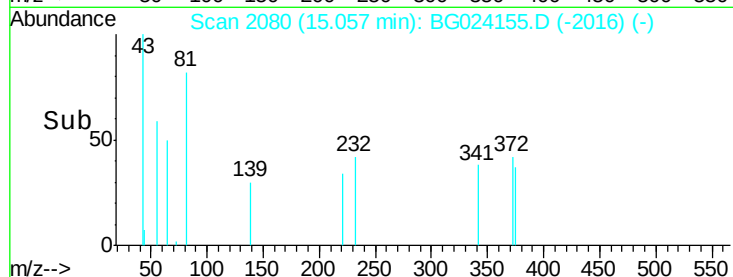
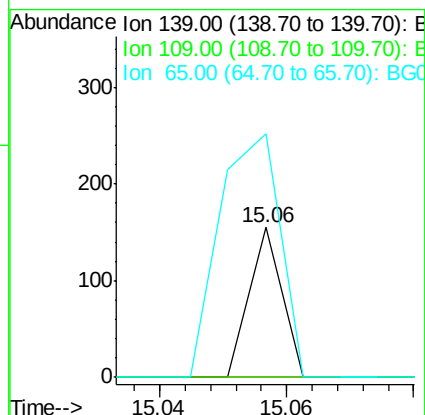
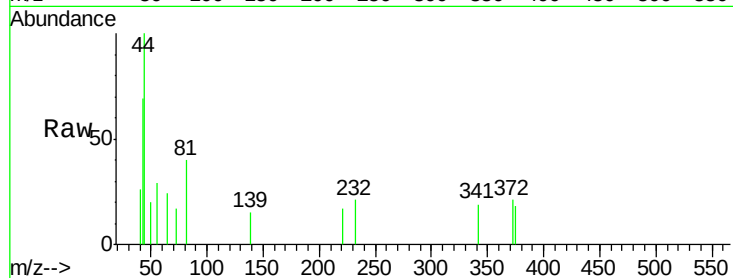




#55
4-Nitrophenol
Concen: 5.37 ng
RT: 15.06 min Scan# 2080
Delta R.T. 0.08 min
Lab File: BG024155.D
Acq: 28 Sep 2016 21:25

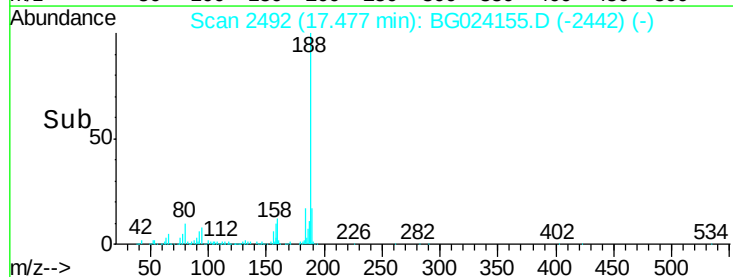
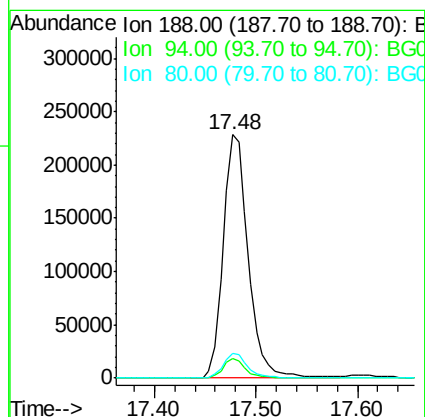
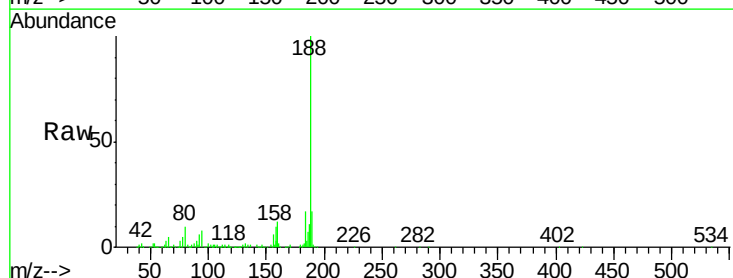
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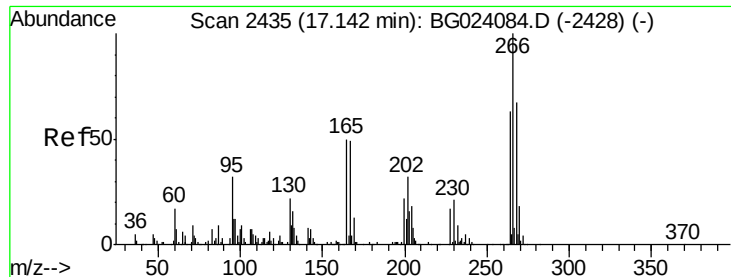
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 103.0 143.0#
65 162.6 112.7 152.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.01 min
Lab File: BG024155.D
Acq: 28 Sep 2016 21:25

Tgt Ion:188 Resp: 390532
Ion Ratio Lower Upper
188 100
94 7.8 5.2 7.8#
80 10.3 7.2 10.8





#69

Pentachlorophenol

Concen: 3.59 ng

RT: 17.30 min Scan# 2462

Delta R.T. 0.16 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-U-M

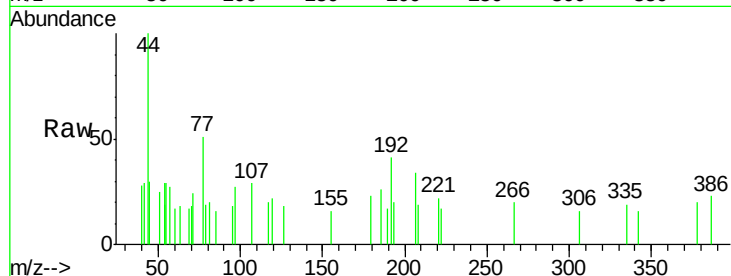
Tgt Ion:266 Resp: 65

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

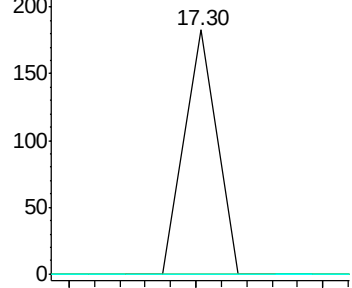
264 0.0 50.6 75.8#



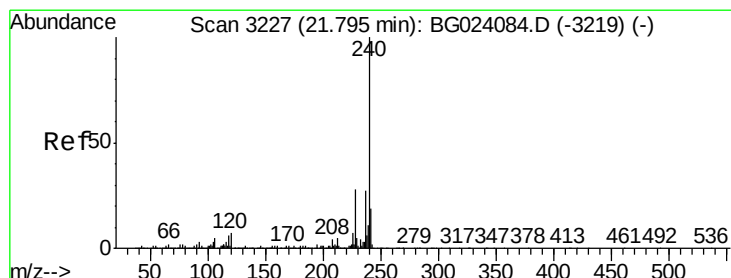
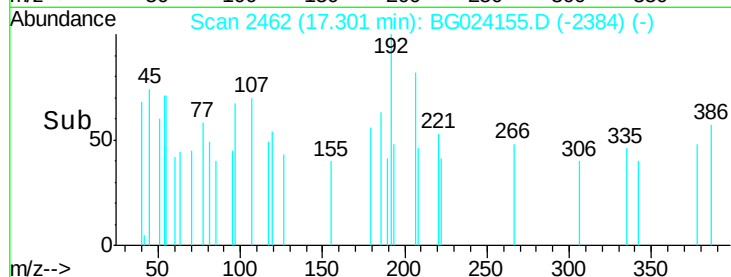
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time--> 17.28 17.30 17.32



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

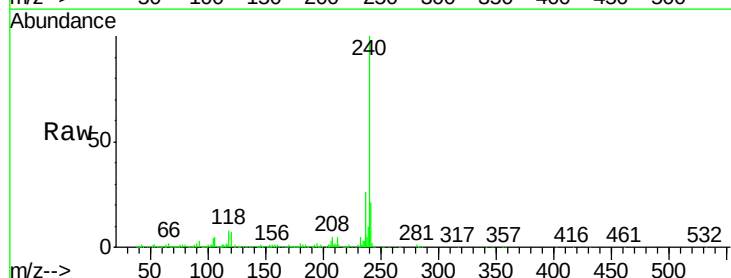
Tgt Ion:240 Resp: 433409

Ion Ratio Lower Upper

240 100

120 7.1 4.1 6.1#

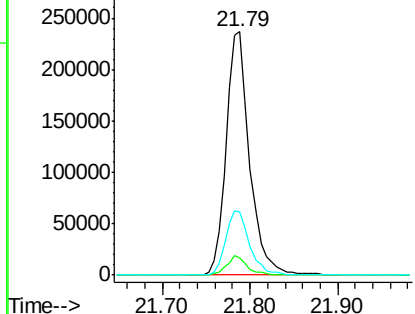
236 25.9 21.1 31.7



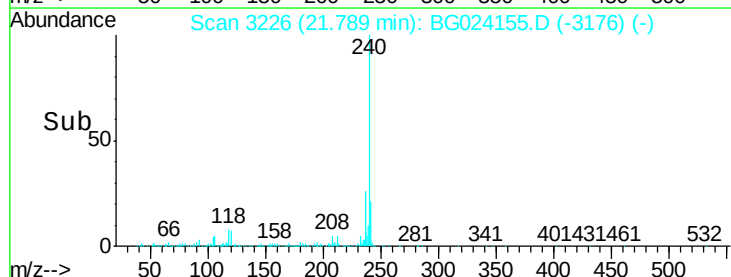
Abundance Ion 240.00 (239.70 to 240.70): E

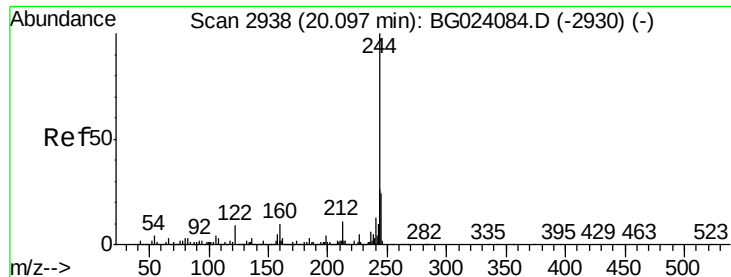
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.70 21.80 21.90





#78

Terphenyl-d14

Concen: 77.16 ng

RT: 20.09 min Scan# 2936

Delta R.T. -0.01 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Instrument :

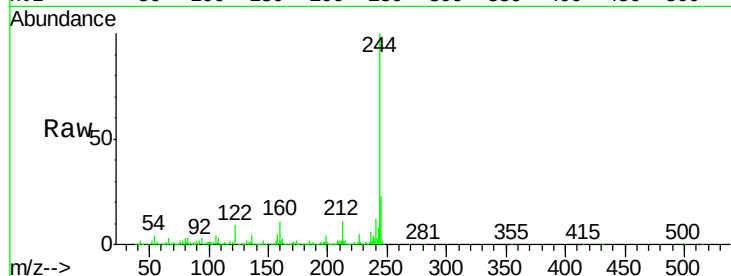
BNA_G

ClientSampleId :

092716-DRDC-F-U-M

Tgt Ion:244 Resp: 1633119

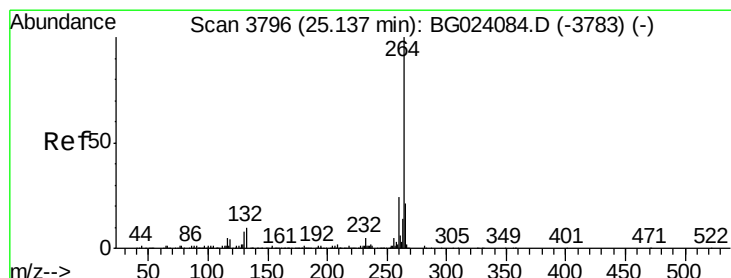
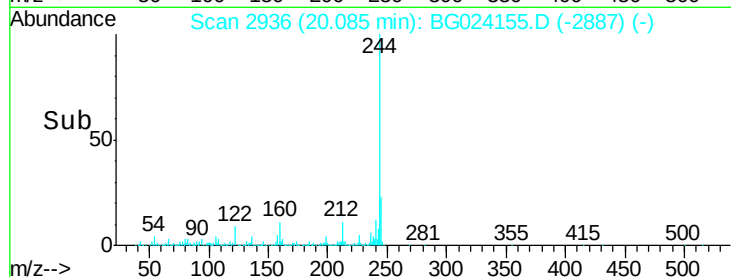
Ion	Ratio	Lower	Upper
244	100		
212	10.9	10.8	16.2
122	8.9	8.0	12.0



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: 25.11 min Scan# 3792

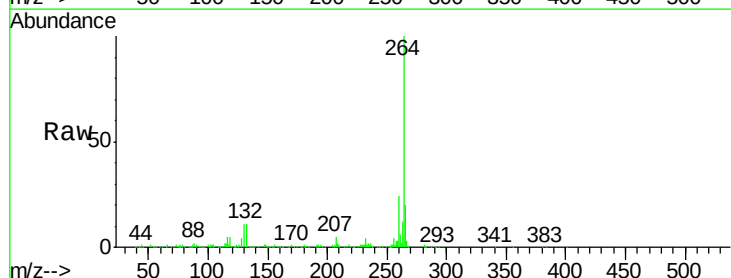
Delta R.T. -0.02 min

Lab File: BG024155.D

Acq: 28 Sep 2016 21:25

Tgt Ion:264 Resp: 414289

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	19.9	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

