

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092816\
 Data File : BG024154.D
 Acq On : 28 Sep 2016 20:47
 Operator : UM/SJ
 Sample : H4992-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 29 01:07:01 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

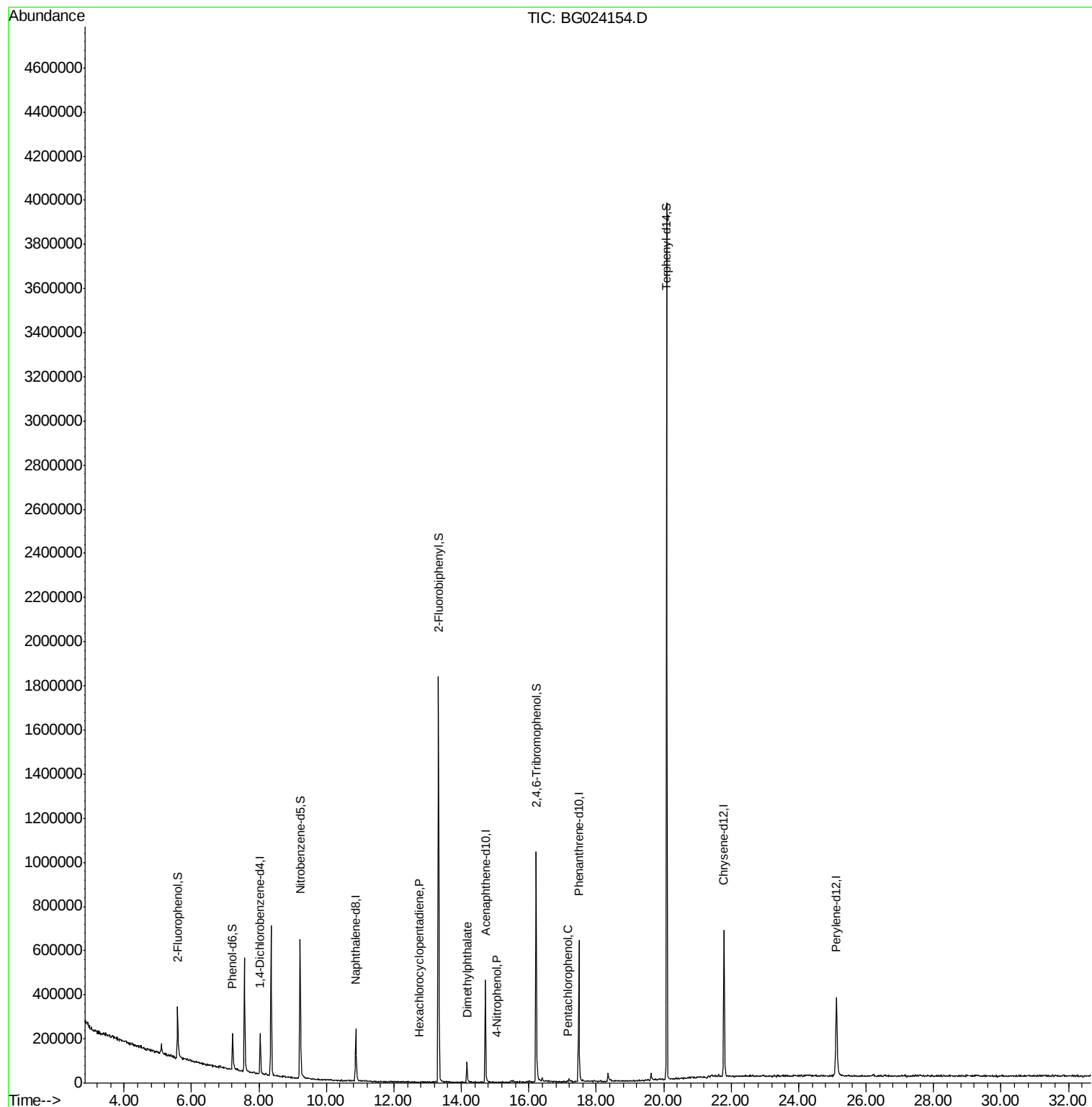
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45900	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	211354	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	174178	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	400584	20.00	ng	0.00
75) Chrysene-d12	21.78	240	444728	20.00	ng	-0.01
86) Perylene-d12	25.12	264	426475	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	109839	41.46	ng	0.00
7) Phenol-d6	7.21	99	113333	25.42	ng	0.00
23) Nitrobenzene-d5	9.22	82	442656	82.55	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	187708	74.97	ng	-0.01
44) 2-Fluorobiphenyl	13.32	172	926437	89.41	ng	0.00
78) Terphenyl-d14	20.09	244	1560096	71.83	ng	-0.01
Target Compounds						
40) Hexachlorocyclopentadiene	12.76	237	129	3.65	ng	# 26
49) Dimethylphthalate	14.16	163	63673	4.77	ng	99
55) 4-Nitrophenol	15.04	139	79	5.38	ng	# 1
69) Pentachlorophenol	17.14	266	56	3.58	ng	# 18

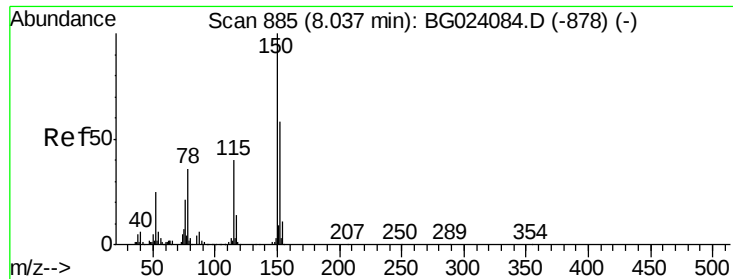
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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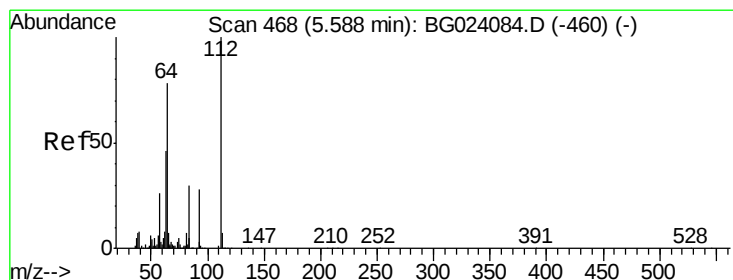
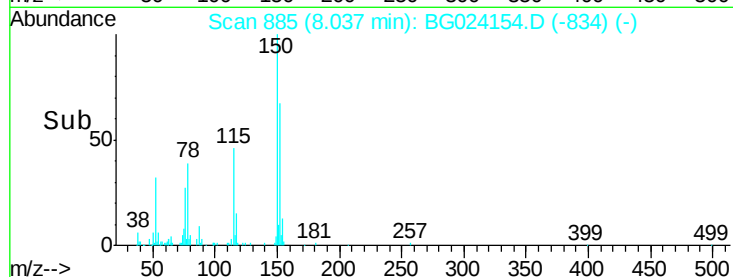
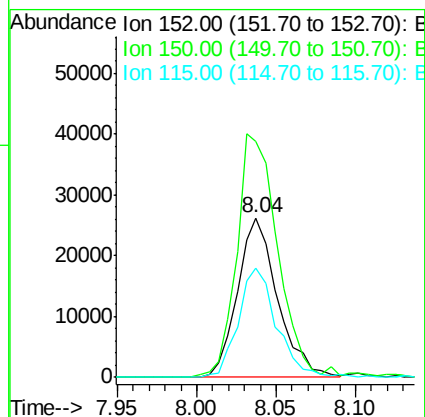
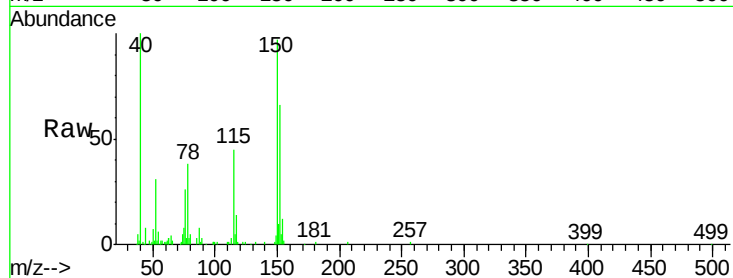


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.04 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BG024154.D
 Acq: 28 Sep 2016 20:47

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

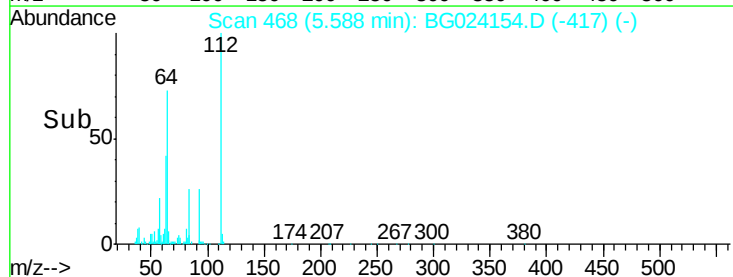
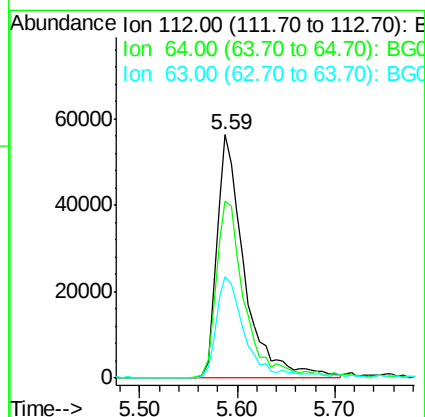
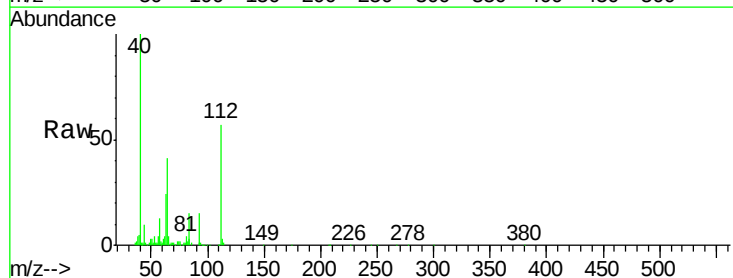
Tgt Ion:152 Resp: 45900
 Ion Ratio Lower Upper
 152 100
 150 148.2 144.7 217.1
 115 68.2 64.0 96.0

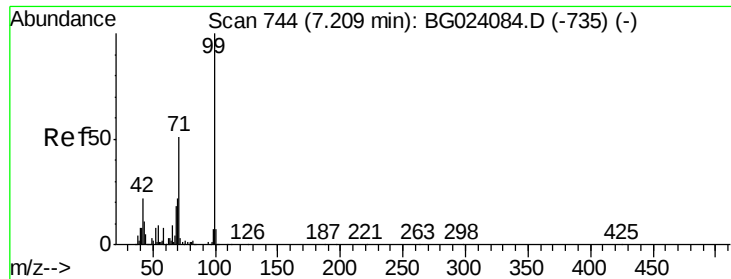


#5

2-Fluorophenol
 Concen: 41.46 ng
 RT: 5.59 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BG024154.D
 Acq: 28 Sep 2016 20:47

Tgt Ion:112 Resp: 109839
 Ion Ratio Lower Upper
 112 100
 64 72.5 59.0 88.4
 63 41.7 37.8 56.8





#7

Phenol-d6

Concen: 25.42 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-D-M

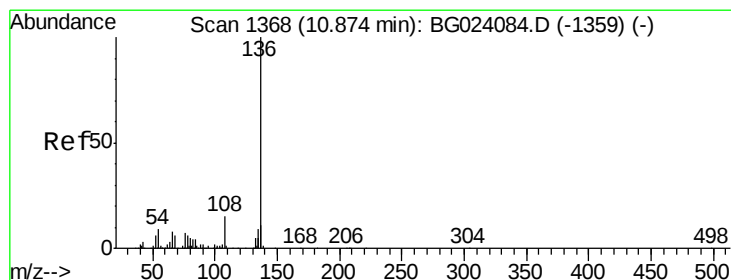
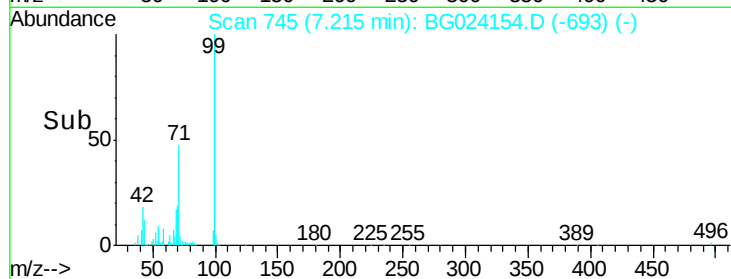
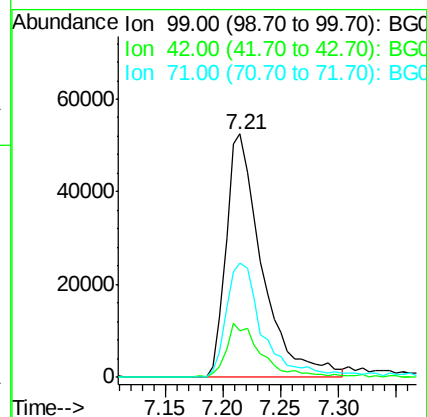
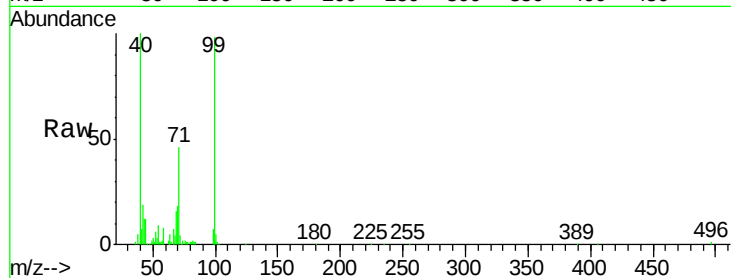
Tgt Ion: 99 Resp: 113333

Ion Ratio Lower Upper

99 100

42 19.1 17.8 26.6

71 47.2 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: BG024154.D

Acq: 28 Sep 2016 20:47

Tgt Ion: 136 Resp: 211354

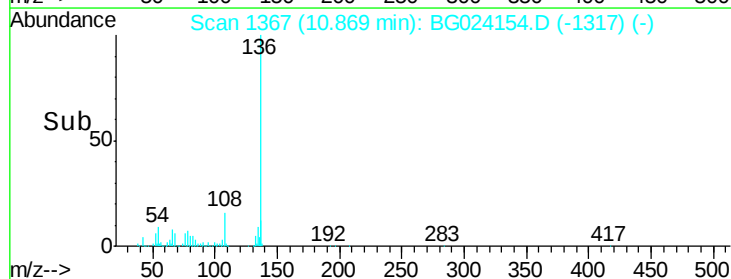
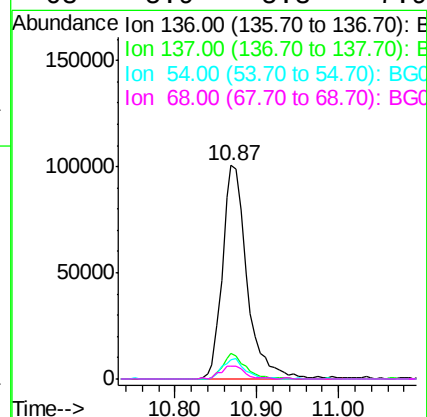
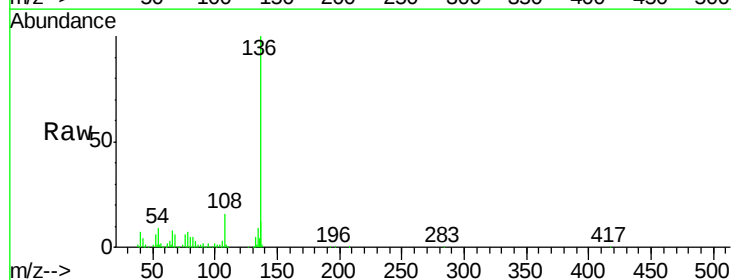
Ion Ratio Lower Upper

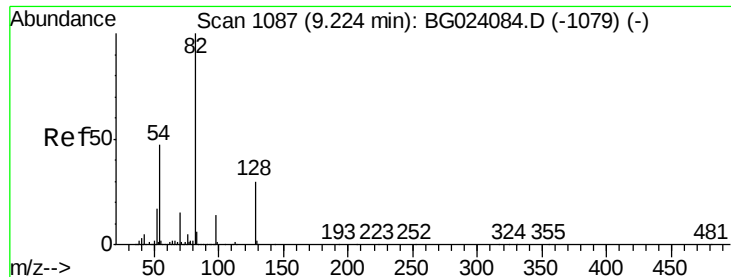
136 100

137 12.0 9.6 14.4

54 8.8 7.3 10.9

68 5.9 5.3 7.9

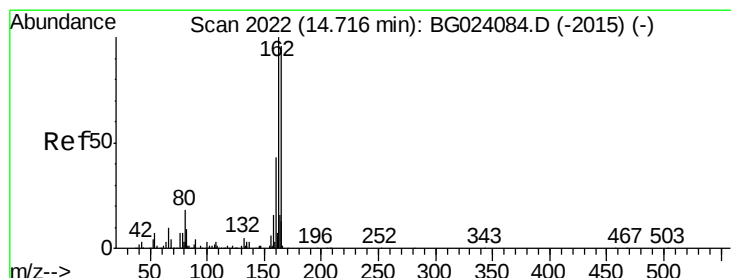
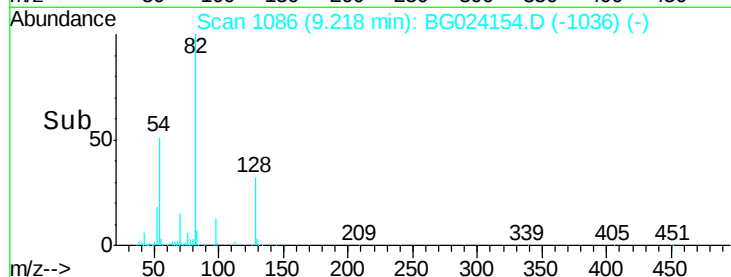
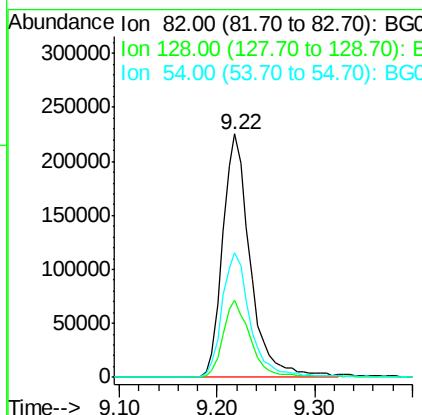
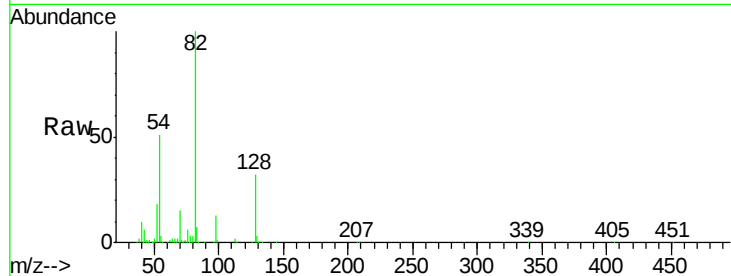




#23
 Nitrobenzene-d5
 Concen: 82.55 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BG024154.D
 Acq: 28 Sep 2016 20:47

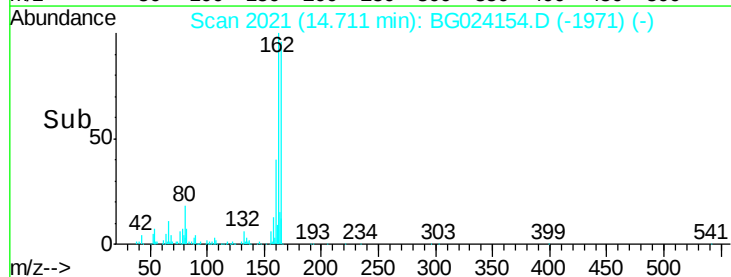
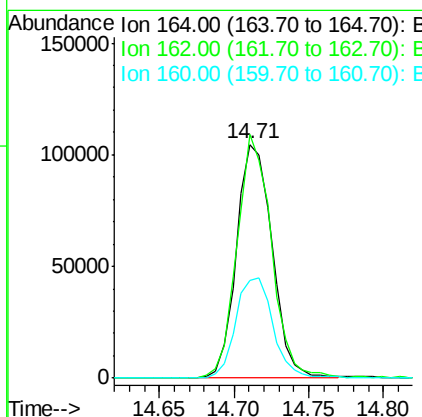
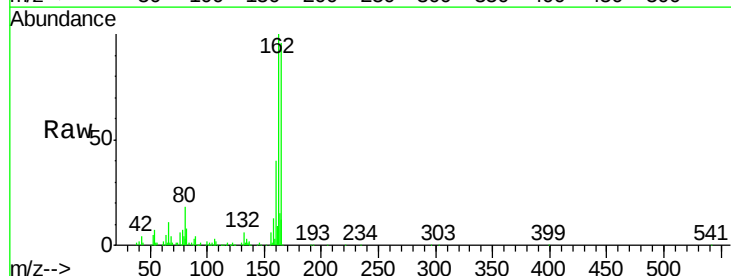
Instrument :
 BNA_G
 ClientSampleId :
 092716-DRDC-F-D-M

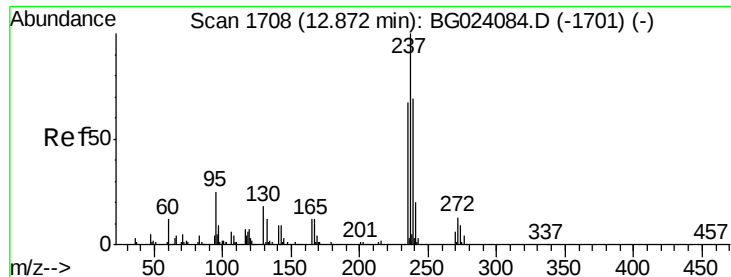
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.8	24.4	36.6
54	50.9	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.71 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BG024154.D
 Acq: 28 Sep 2016 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	87.7	131.5
160	41.9	37.2	55.8





#40

Hexachlorocyclopentadiene

Concen: 3.65 ng

RT: 12.76 min Scan# 1689

Delta R.T. -0.11 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-D-M

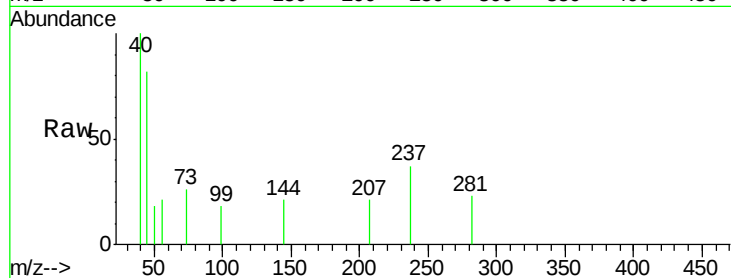
Tgt Ion: 237 Resp: 129

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

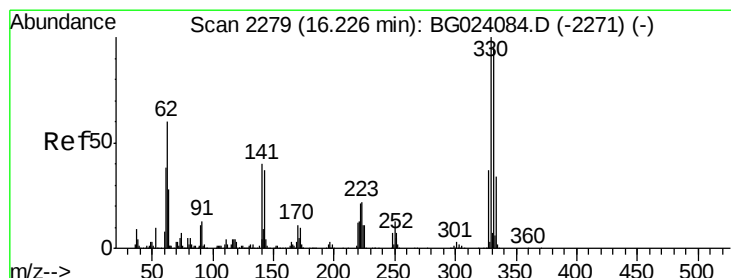
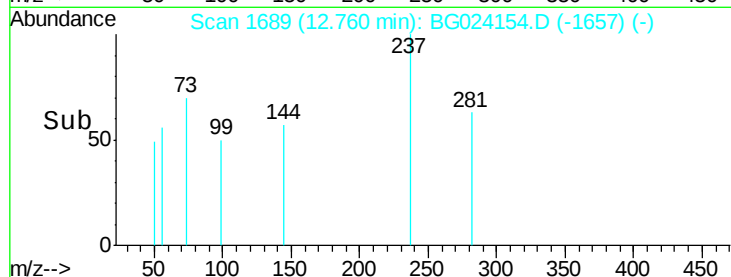
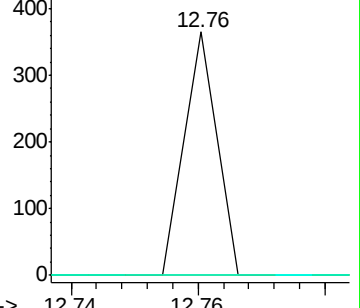
272 0.0 0.0 30.9



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: 74.97 ng

RT: 16.21 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

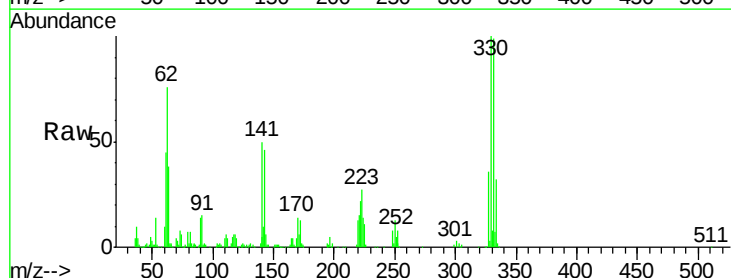
Tgt Ion: 330 Resp: 187708

Ion Ratio Lower Upper

330 100

332 98.4 77.4 116.2

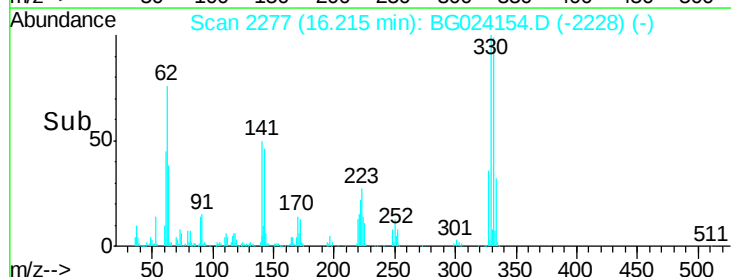
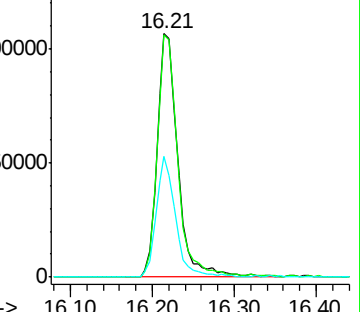
141 46.2 31.7 47.5

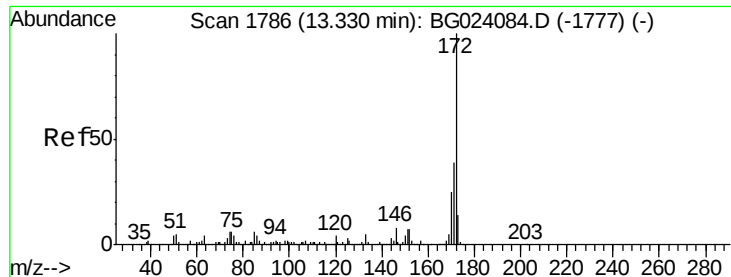


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 89.41 ng

RT: 13.32 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-D-M

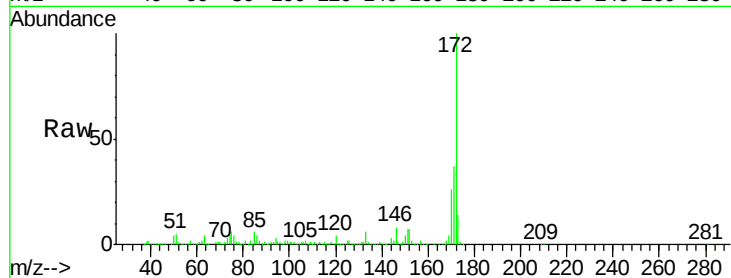
Tgt Ion:172 Resp: 926437

Ion Ratio Lower Upper

172 100

171 37.2 31.6 47.4

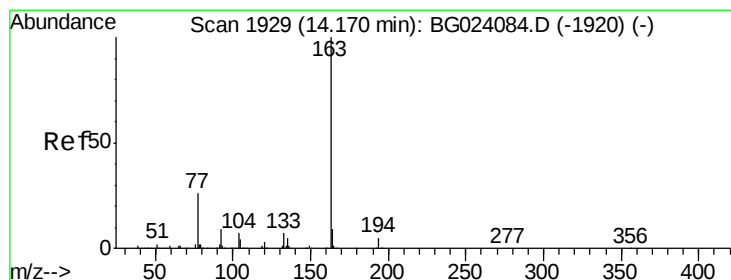
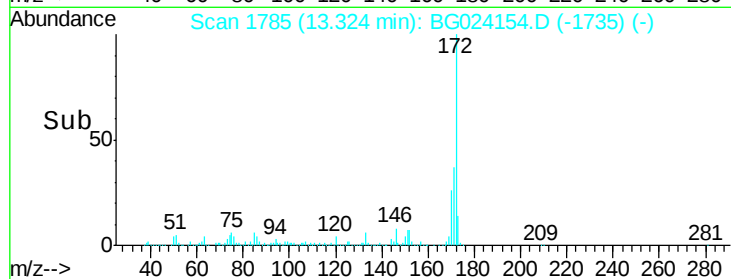
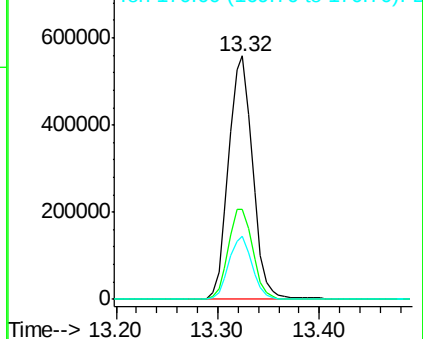
170 25.9 21.3 31.9



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: 4.77 ng

RT: 14.16 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

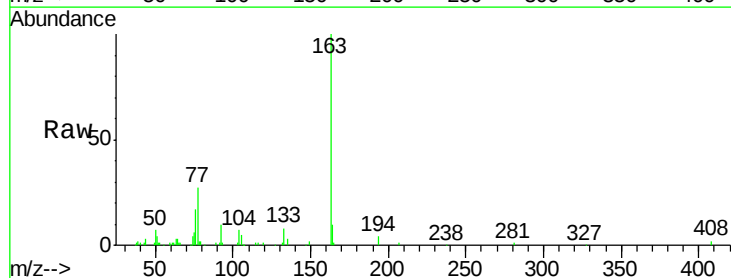
Tgt Ion:163 Resp: 63673

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

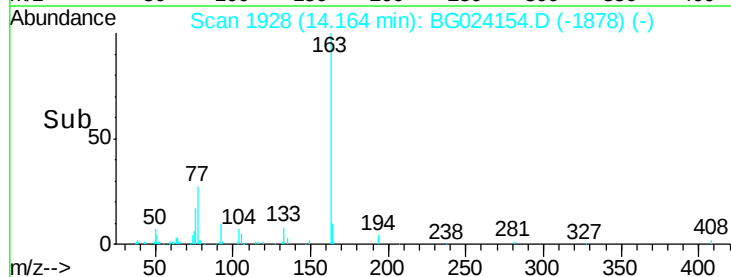
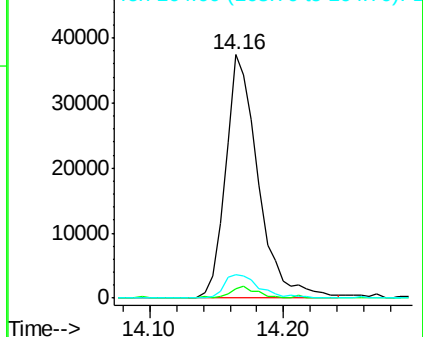
164 9.6 8.1 12.1

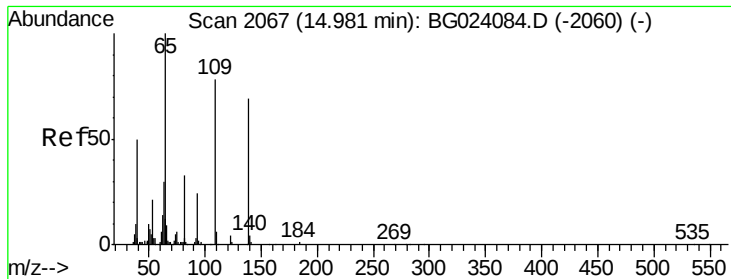


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 5.38 ng

RT: 15.04 min Scan# 2077

Delta R.T. 0.06 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

Instrument :

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ClientSampleId :

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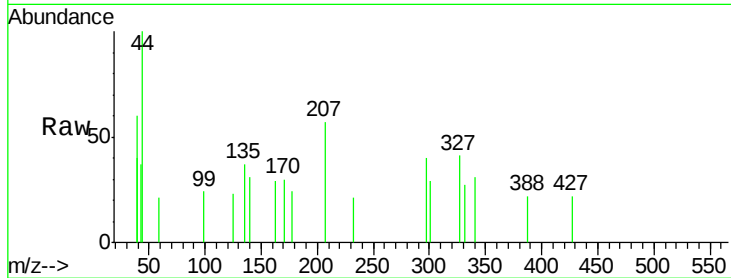
Tgt Ion:139 Resp: 79

Ion Ratio Lower Upper

139 100

109 0.0 103.0 143.0#

65 0.0 112.7 152.7#

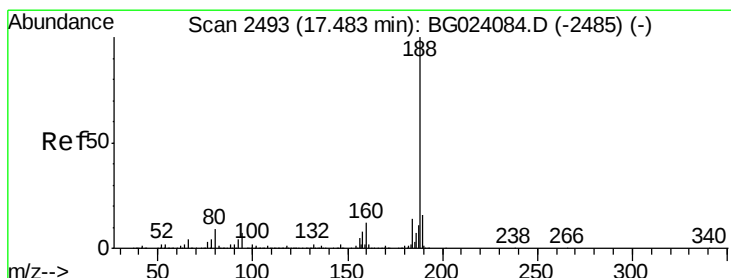
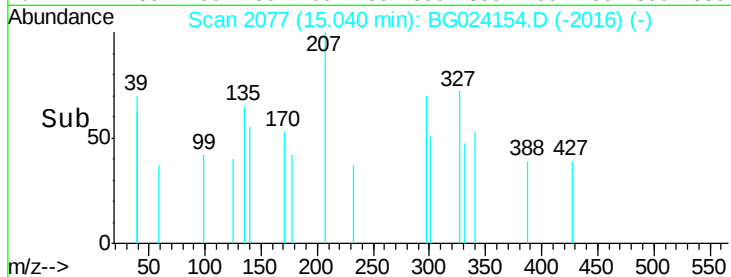
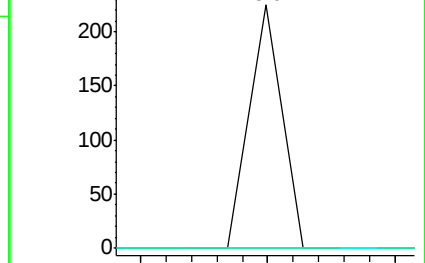


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.04



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

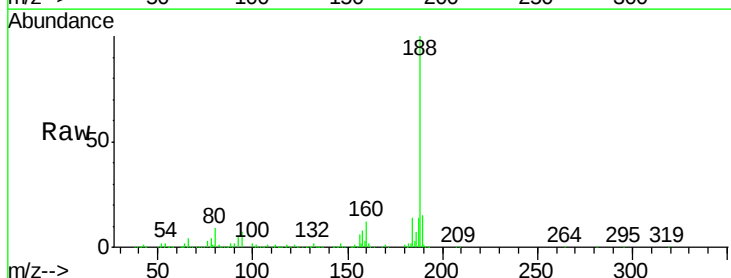
Tgt Ion:188 Resp: 400584

Ion Ratio Lower Upper

188 100

94 6.8 5.2 7.8

80 9.2 7.2 10.8

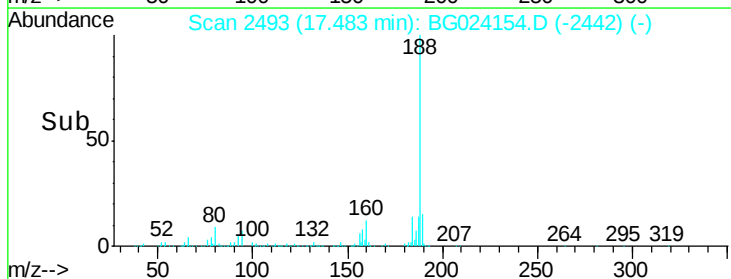
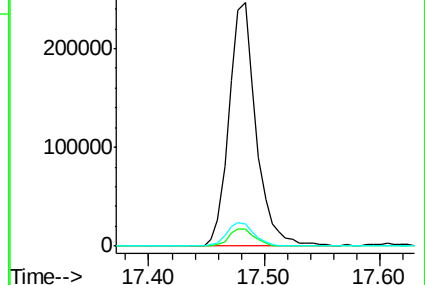


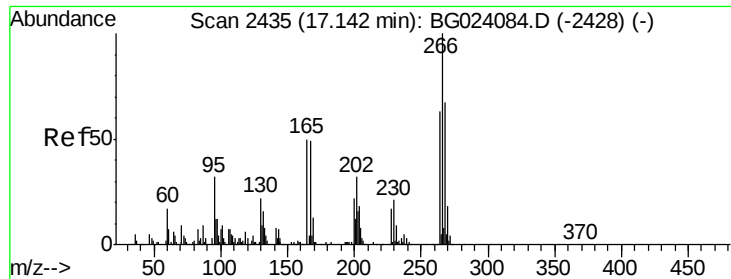
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.48

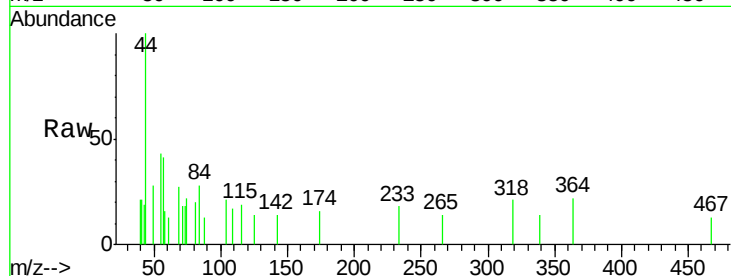




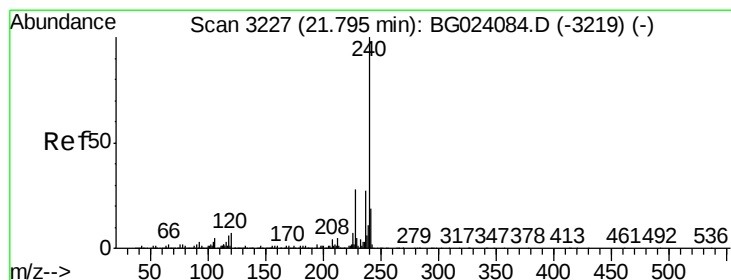
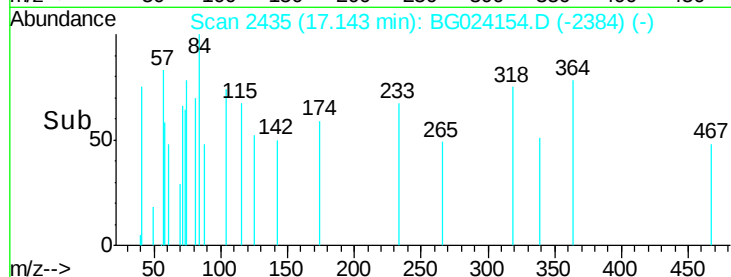
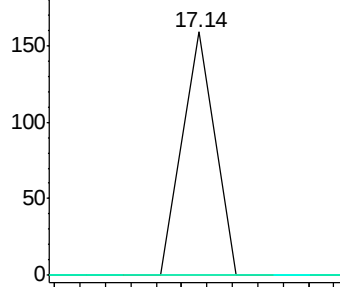
#69
 Pentachlorophenol
 Concen: 3.58 ng
 RT: 17.14 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: BG024154.D
 Acq: 28 Sep 2016 20:47

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

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.9	77.9#
264	0.0	50.6	75.8#

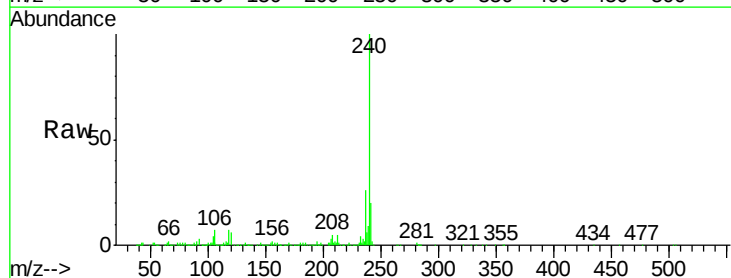


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

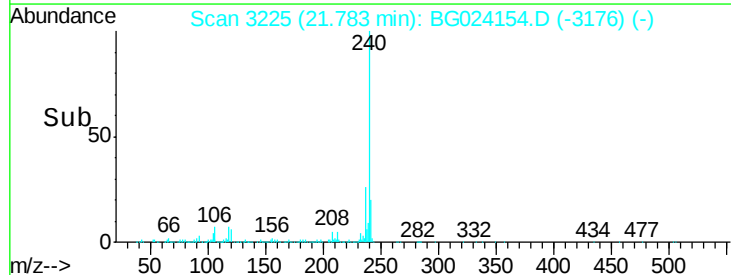
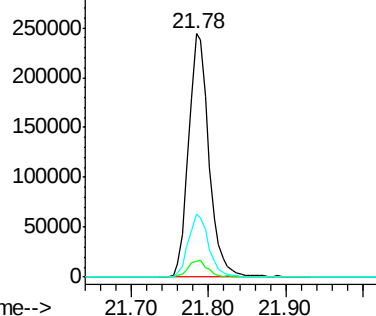


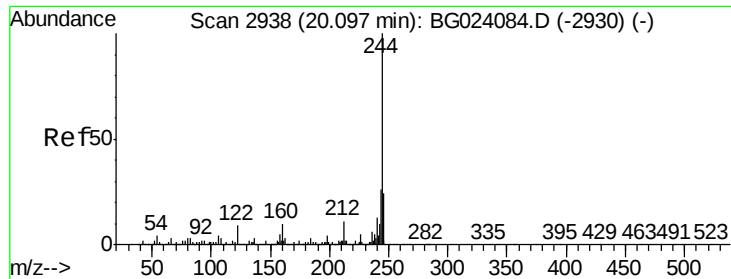
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.78 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BG024154.D
 Acq: 28 Sep 2016 20:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.1	6.1#
236	25.7	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: 71.83 ng

RT: 20.09 min Scan# 2936

Delta R.T. -0.01 min

Lab File: BG024154.D

Acq: 28 Sep 2016 20:47

Instrument :

BNA_G

ClientSampleId :

092716-DRDC-F-D-M

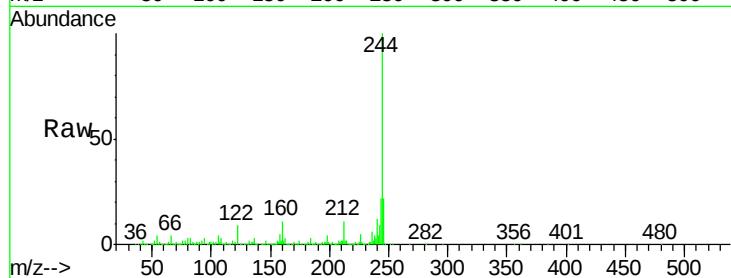
Tgt Ion:244 Resp: 1560096

Ion Ratio Lower Upper

244 100

212 10.7 10.8 16.2#

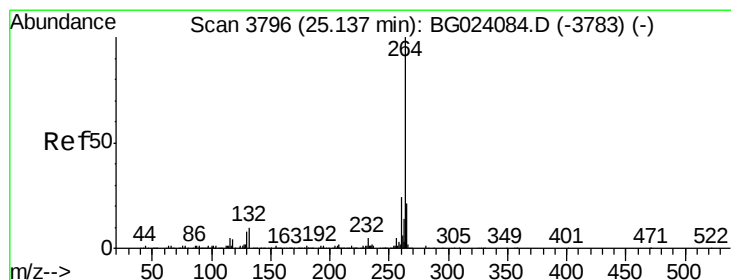
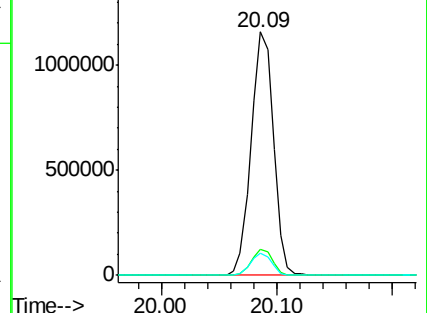
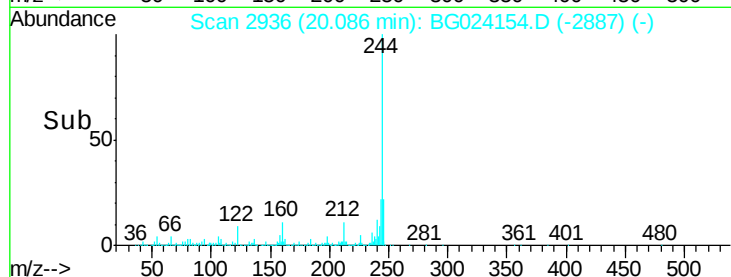
122 9.3 8.0 12.0



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: 25.12 min Scan# 3793

Delta R.T. -0.02 min

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Acq: 28 Sep 2016 20:47

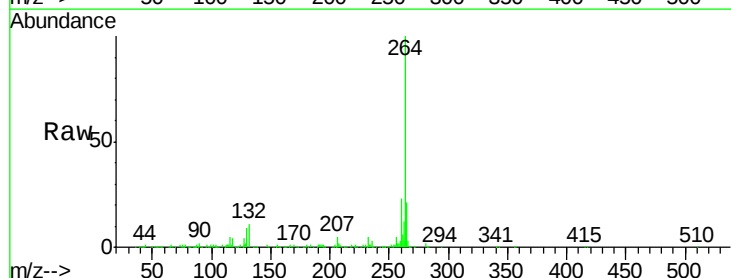
Tgt Ion:264 Resp: 426475

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 20.6 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

