

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024115.D
 Acq On : 24 Sep 2016 8:49
 Operator : UM/SJ
 Sample : H4893-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LICFIELDBLANK-1-92016

Quant Time: Sep 26 00:48:58 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

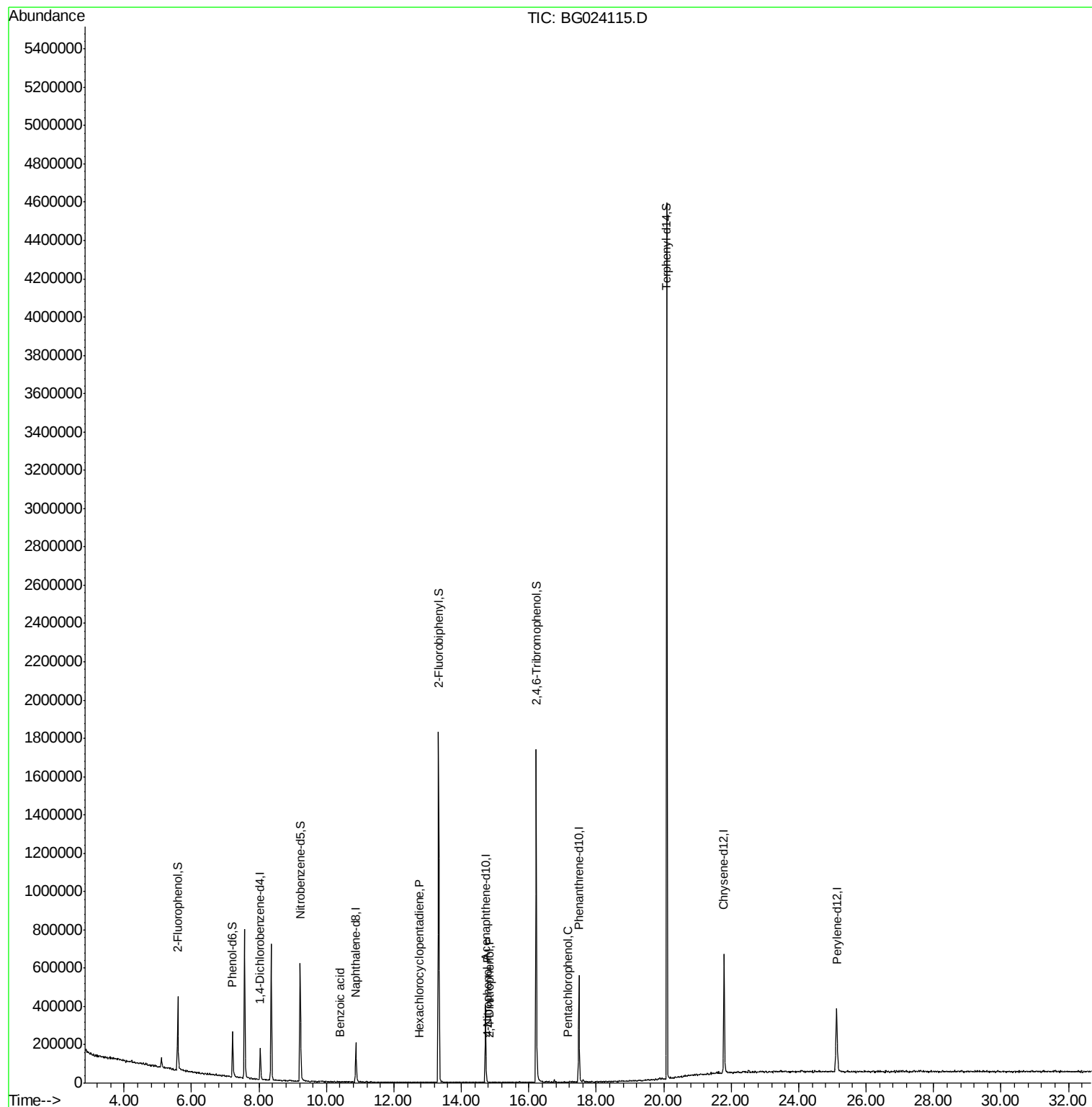
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	43639	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	176991	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	149425	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	354645	20.00	ng	0.00
75) Chrysene-d12	21.79	240	411341	20.00	ng	0.00
86) Perylene-d12	25.13	264	394495	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	160657	63.78	ng	0.00
7) Phenol-d6	7.21	99	142524	33.63	ng	0.00
23) Nitrobenzene-d5	9.22	82	434507	96.76	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	314490	146.42	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	912639	102.67	ng	0.00
78) Terphenyl-d14	20.09	244	1738934	86.56	ng	0.00
Target Compounds						
32) Benzoic acid	10.41	122	76	2.19	ng	# 1
40) Hexachlorocyclopentadiene	12.75	237	67	3.62	ng	# 26
53) 2,4-Dinitrophenol	14.83	184	100	2.53	ng	# 10
55) 4-Nitrophenol	14.79	139	66	5.38	ng	# 1
69) Pentachlorophenol	17.14	266	62	3.59	ng	# 18

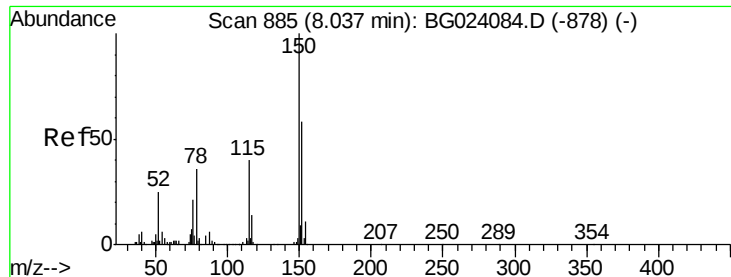
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG024115.D

Acq: 24 Sep 2016 8:49

Instrument :

BNA_G

ClientSampleId :

LICFIELDBLANK-1-92016

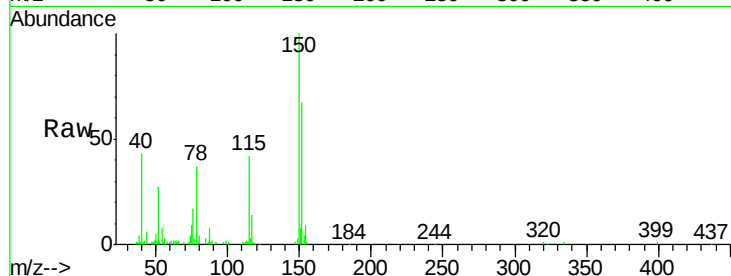
Tgt Ion:152 Resp: 43639

Ion Ratio Lower Upper

152 100

150 148.7 144.7 217.1

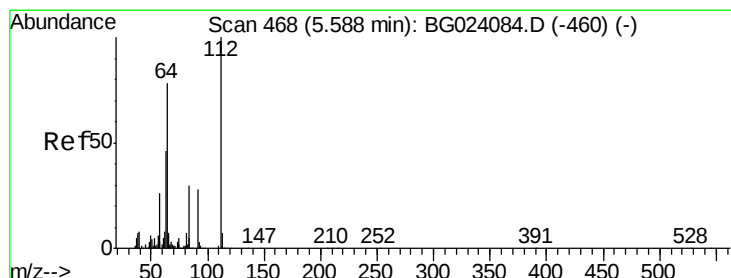
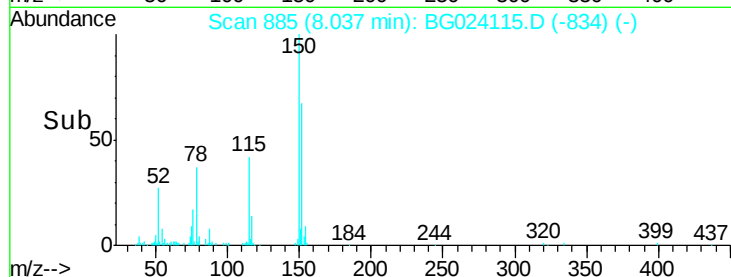
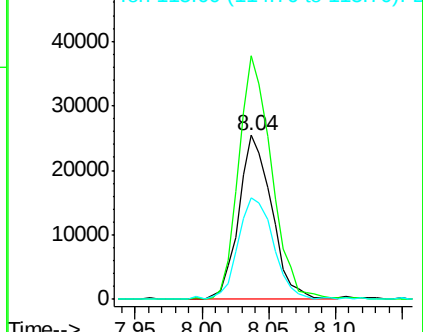
115 62.1 64.0 96.0#



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: 63.78 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

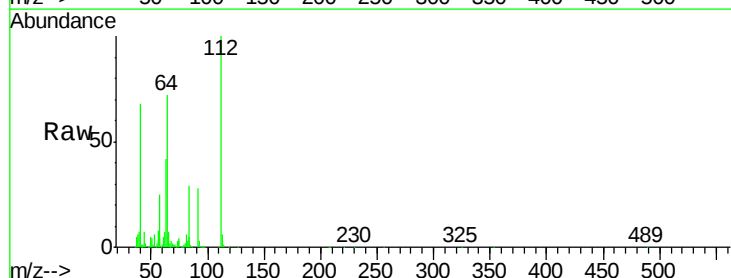
Tgt Ion:112 Resp: 160657

Ion Ratio Lower Upper

112 100

64 72.0 59.0 88.4

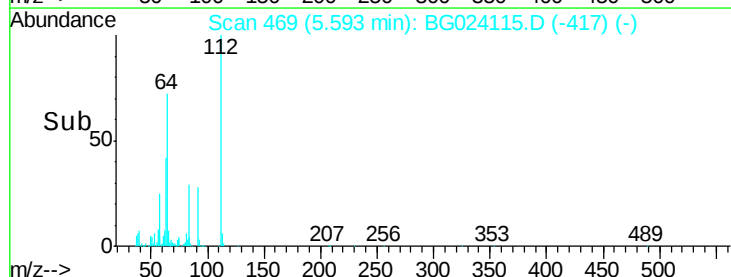
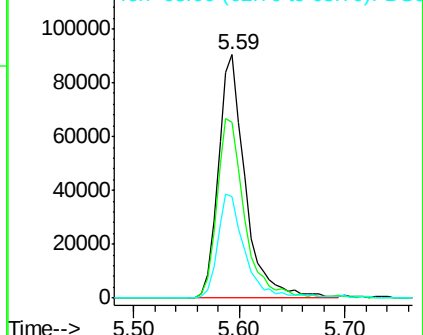
63 41.9 37.8 56.8

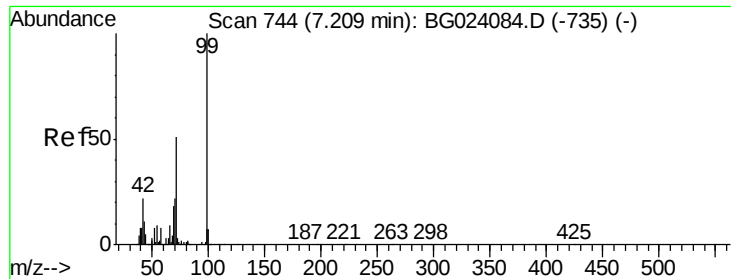


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 33.63 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

Instrument :

BNA_G

ClientSampleId :

LICFIELDBLANK-1-92016

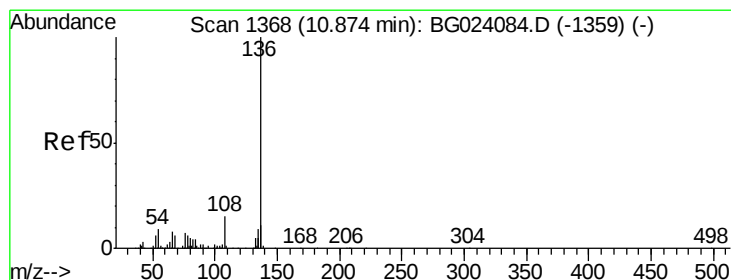
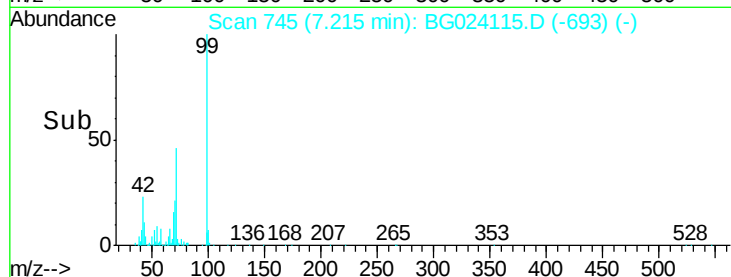
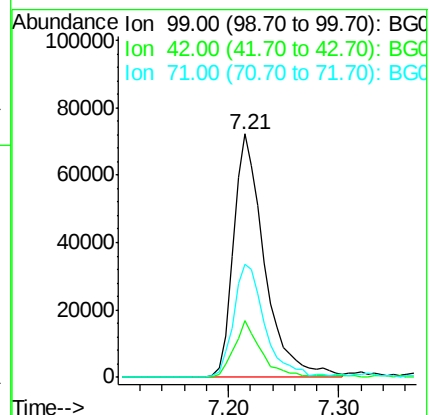
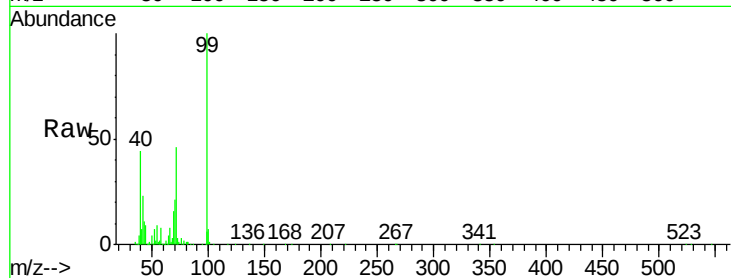
Tgt Ion: 99 Resp: 142524

Ion Ratio Lower Upper

99 100

42 23.1 17.8 26.6

71 46.3 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

Tgt Ion: 136 Resp: 176991

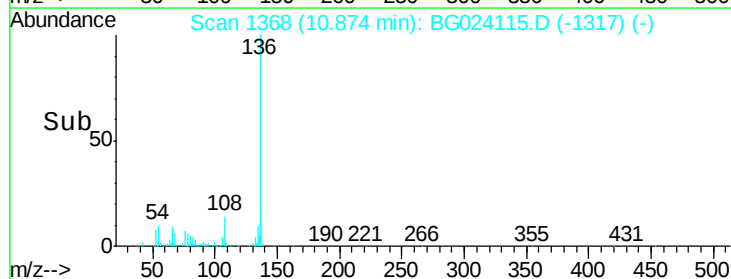
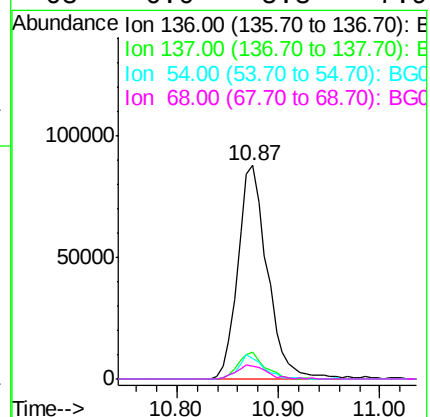
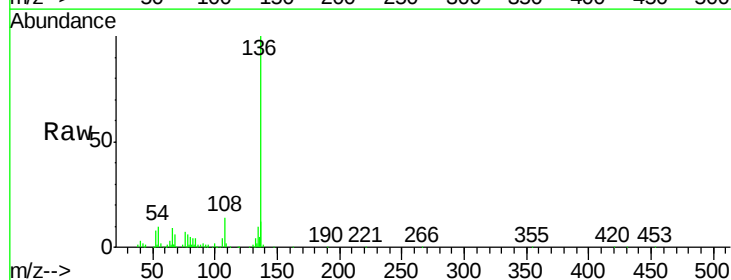
Ion Ratio Lower Upper

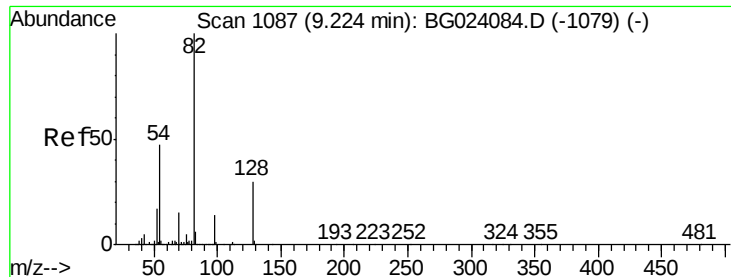
136 100

137 12.4 9.6 14.4

54 9.8 7.3 10.9

68 6.0 5.3 7.9

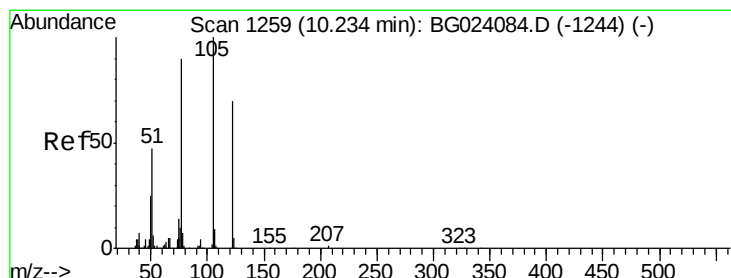
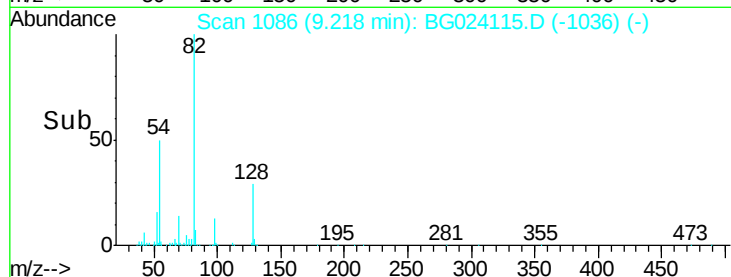
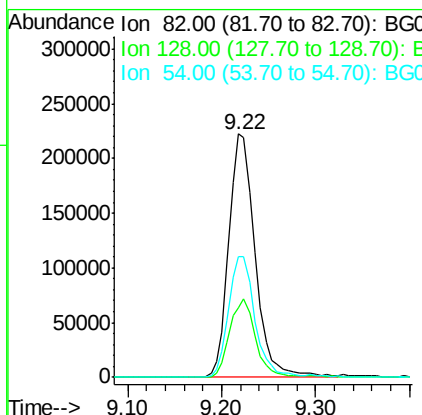
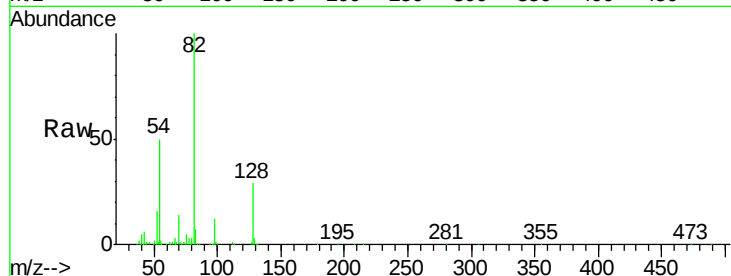




#23
 Nitrobenzene-d5
 Concen: 96.76 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BG024115.D
 Acq: 24 Sep 2016 8:49

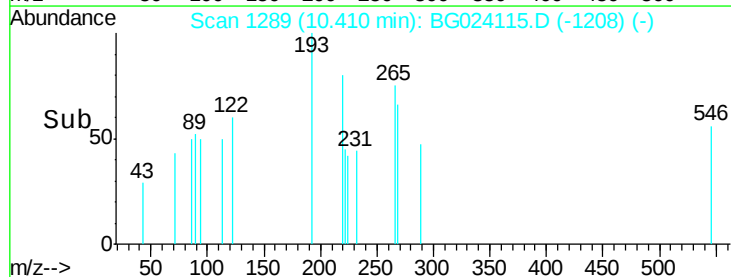
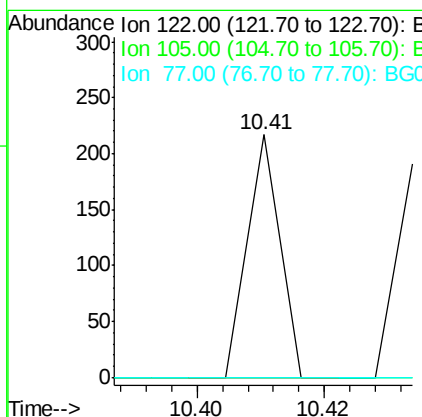
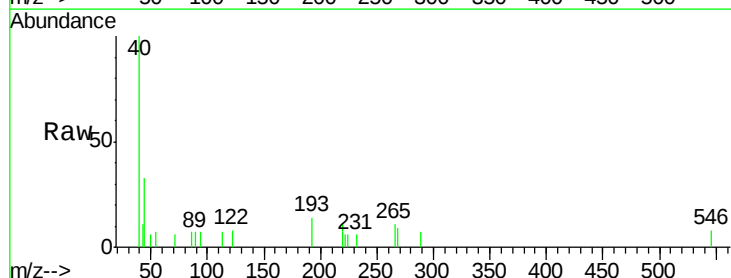
Instrument :
 BNA_G
 ClientSampleId :
 LICFIELDBLANK-1-92016

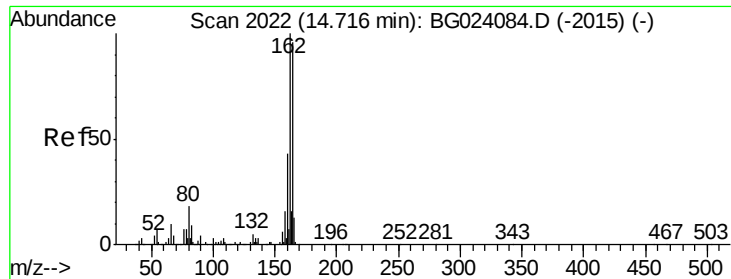
Tgt Ion	Ratio	Lower	Upper
82	100		
128	28.7	24.4	36.6
54	49.8	41.4	62.0



#32
 Benzoic acid
 Concen: 2.19 ng
 RT: 10.41 min Scan# 1289
 Delta R.T. 0.18 min
 Lab File: BG024115.D
 Acq: 24 Sep 2016 8:49

Tgt 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: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

Instrument :

BNA_G

ClientSampleId :

LICFIELDBLANK-1-92016

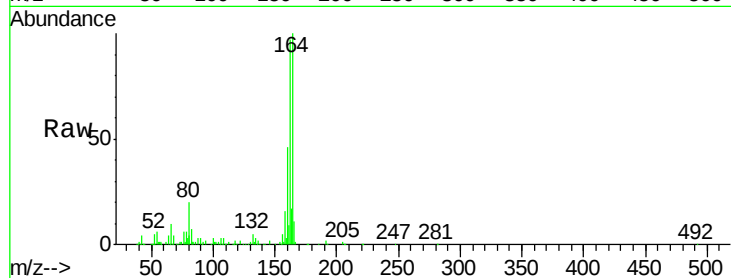
Tgt Ion:164 Resp: 149425

Ion Ratio Lower Upper

164 100

162 96.9 87.7 131.5

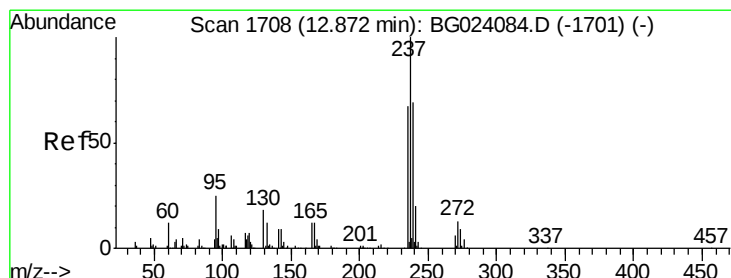
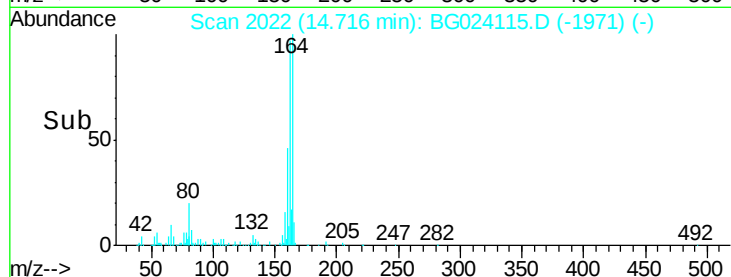
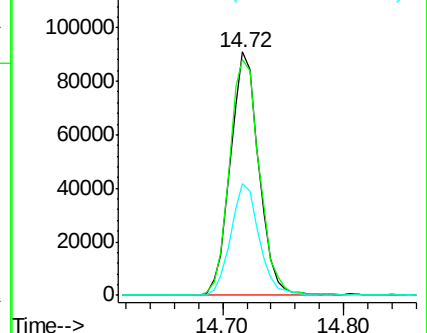
160 45.8 37.2 55.8



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: 3.62 ng

RT: 12.75 min Scan# 1688

Delta R.T. -0.12 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

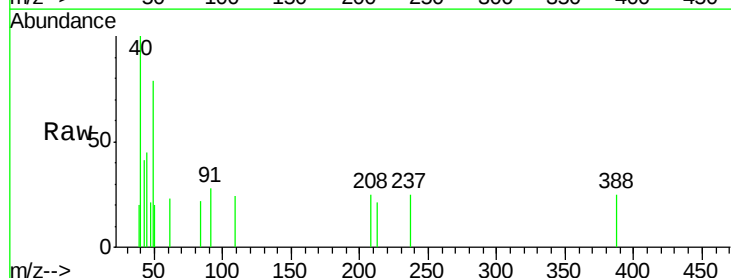
Tgt Ion:237 Resp: 67

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

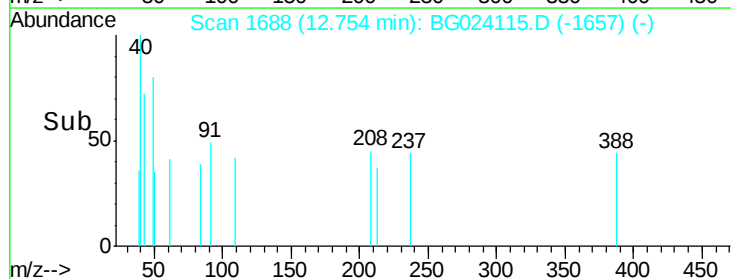
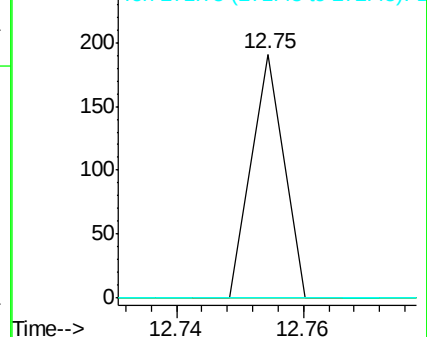
272 0.0 0.0 30.9

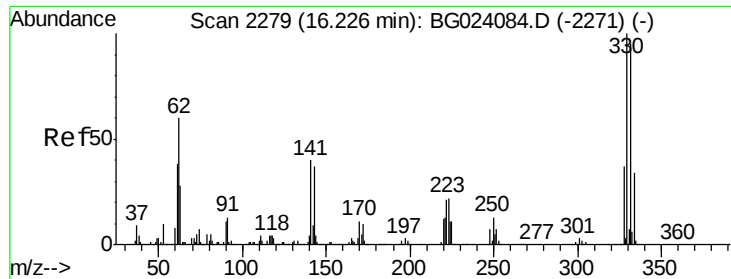


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

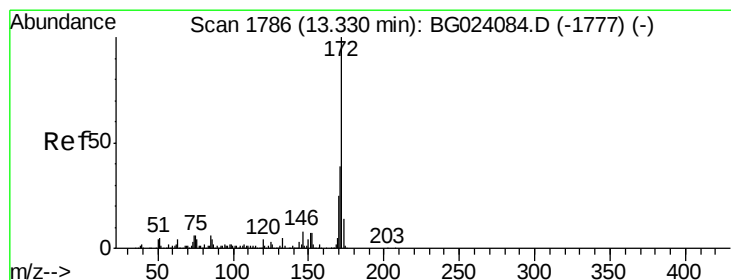
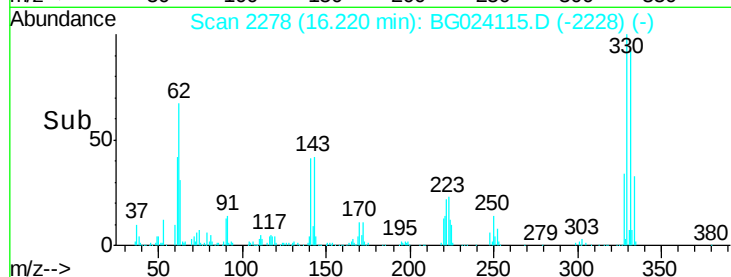
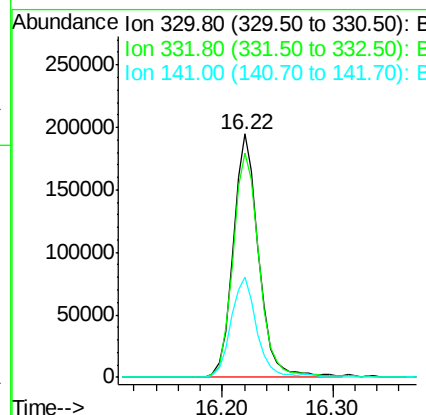
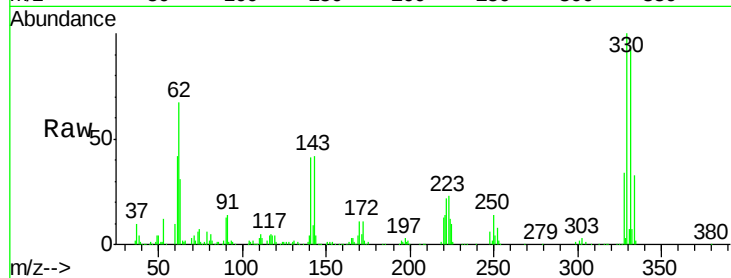




#41
 2,4,6-Tribromophenol
 Concen: 146.42 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024115.D
 Acq: 24 Sep 2016 8:49

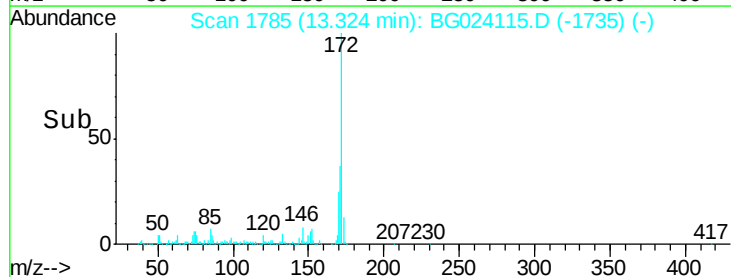
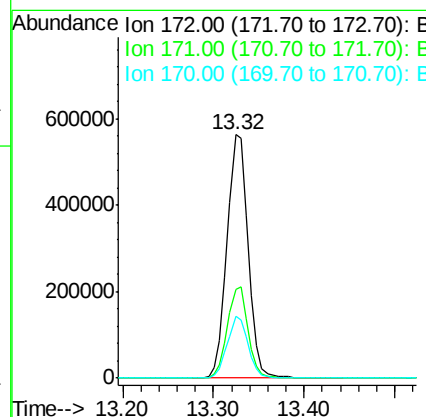
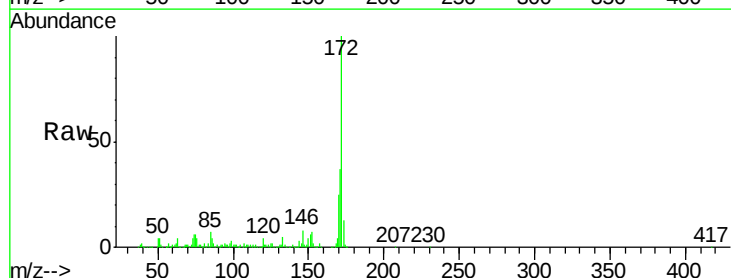
Instrument :
 BNA_G
 ClientSampleId :
 LICFIELDBLANK-1-92016

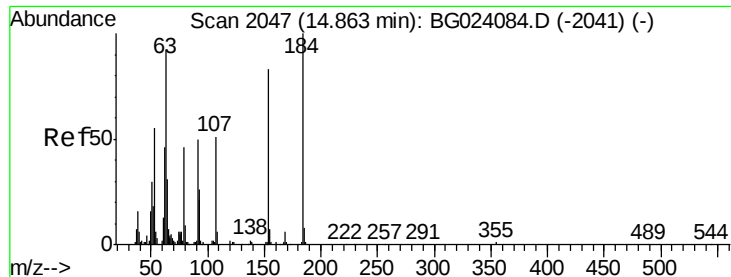
Tgt Ion:330 Resp: 314490
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.2
 141 42.0 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 102.67 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024115.D
 Acq: 24 Sep 2016 8:49

Tgt Ion:172 Resp: 912639
 Ion Ratio Lower Upper
 172 100
 171 36.7 31.6 47.4
 170 25.3 21.3 31.9





#53

2,4-Dinitrophenol

Concen: 2.53 ng

RT: 14.83 min Scan# 2042

Delta R.T. -0.03 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

Instrument :

BNA_G

ClientSampleId :

LICFIELDBLANK-1-92016

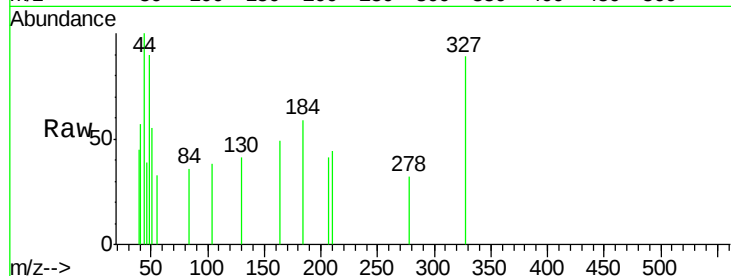
Tgt Ion:184 Resp: 100

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

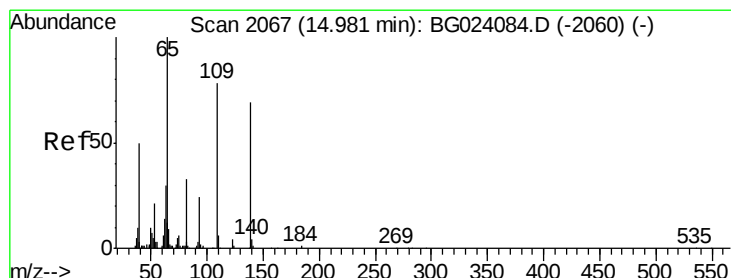
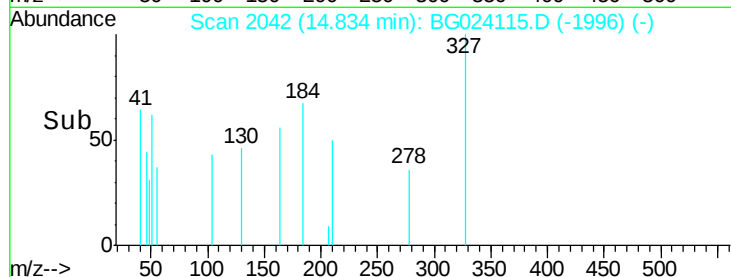
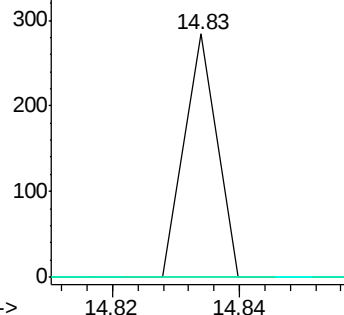
154 0.0 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 5.38 ng

RT: 14.79 min Scan# 2034

Delta R.T. -0.19 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

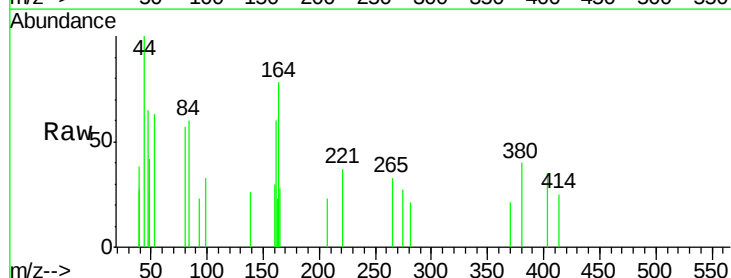
Tgt Ion:139 Resp: 66

Ion Ratio Lower Upper

139 100

109 0.0 103.0 143.0#

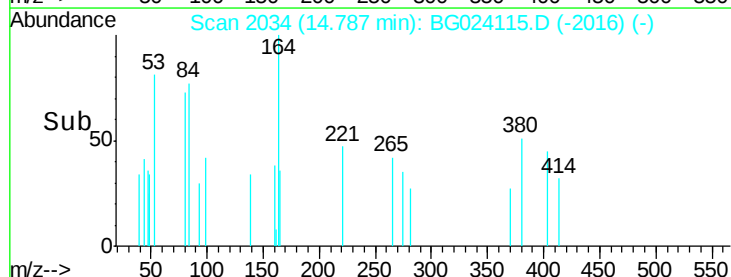
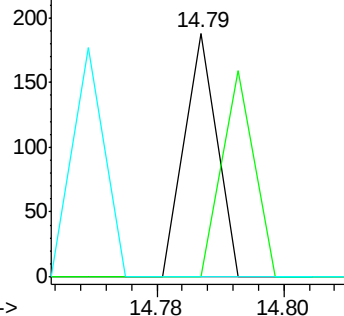
65 0.0 112.7 152.7#

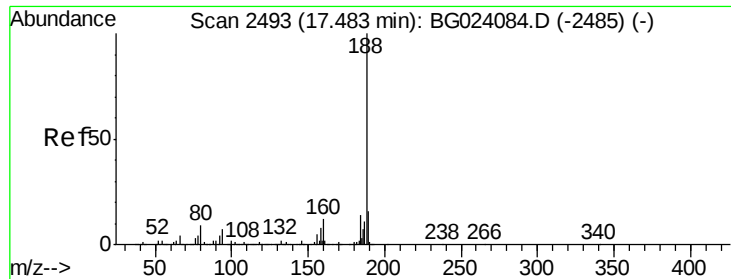


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

Instrument :

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LICFIELDBLANK-1-92016

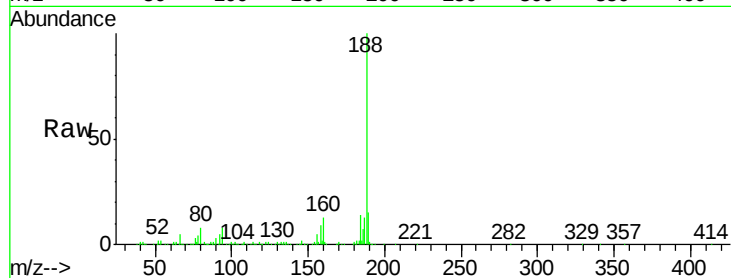
Tgt Ion:188 Resp: 354645

Ion Ratio Lower Upper

188 100

94 8.4 5.2 7.8#

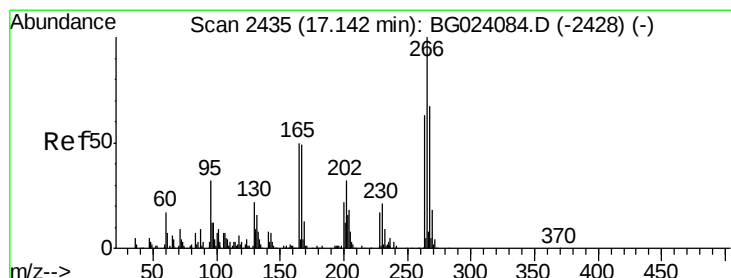
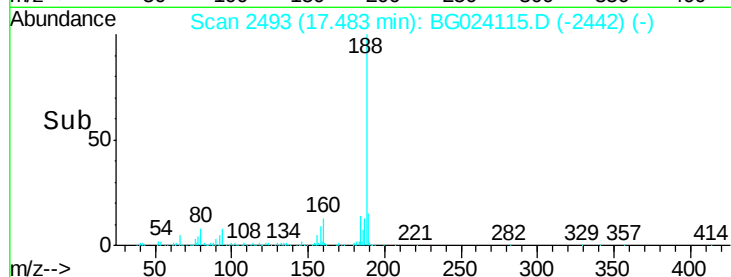
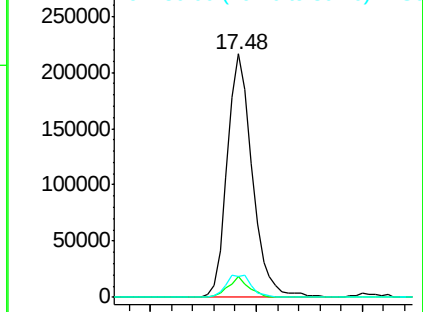
80 8.4 7.2 10.8



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: 3.59 ng

RT: 17.14 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG024115.D

Acq: 24 Sep 2016 8:49

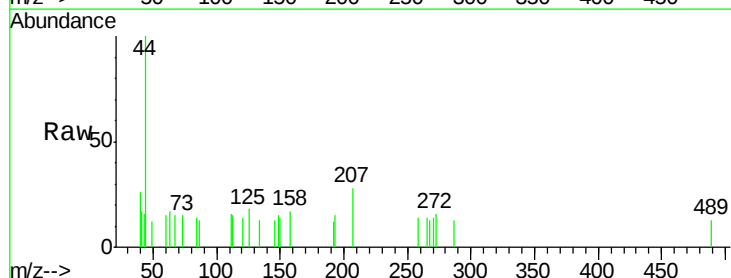
Tgt Ion:266 Resp: 62

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

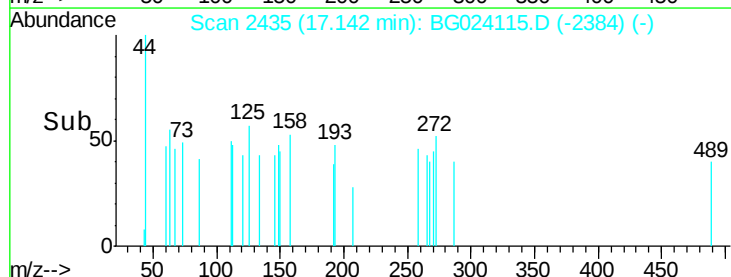
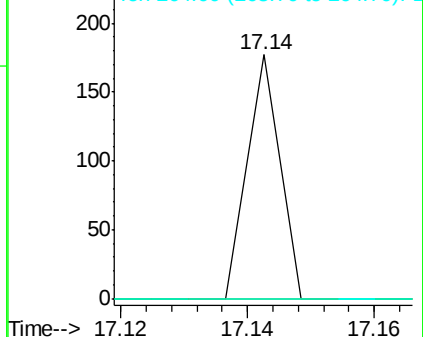
264 0.0 50.6 75.8#

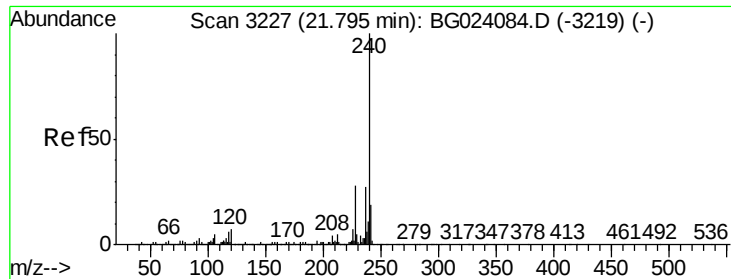


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

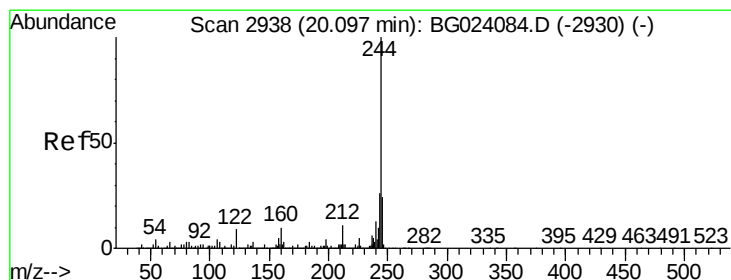
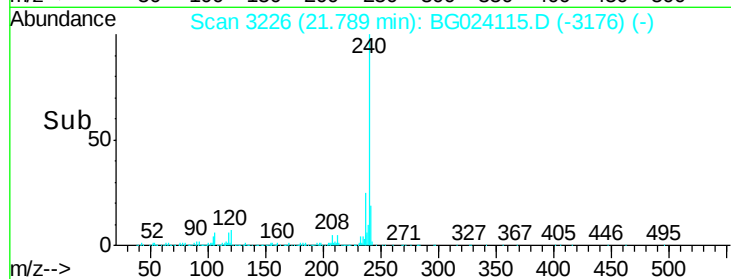
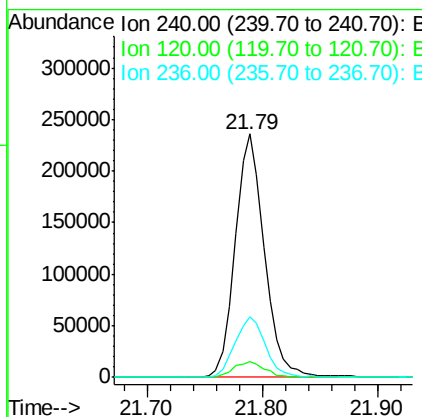
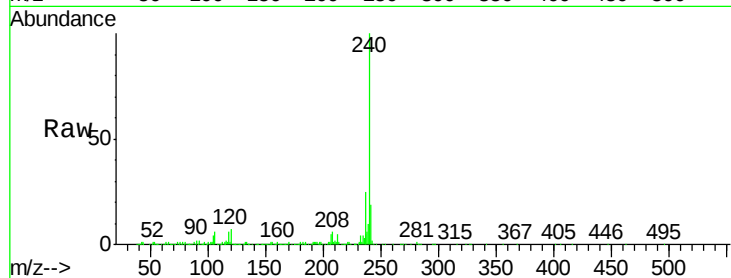




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BG024115.D
Acq: 24 Sep 2016 8:49

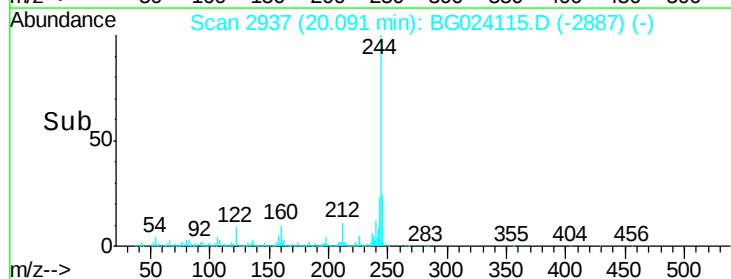
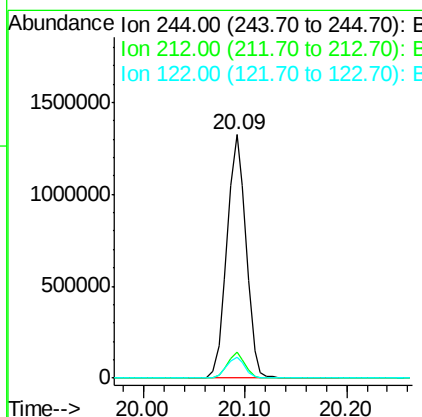
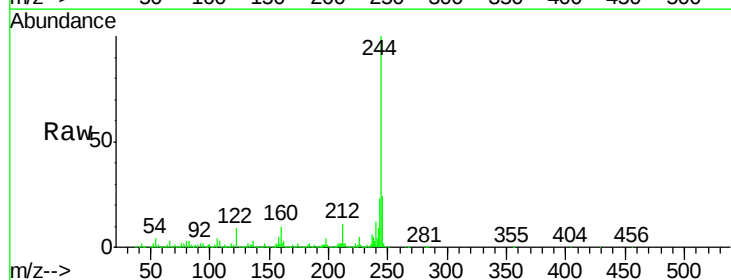
Instrument :
BNA_G
ClientSampleId :
LICFIELDBLANK-1-92016

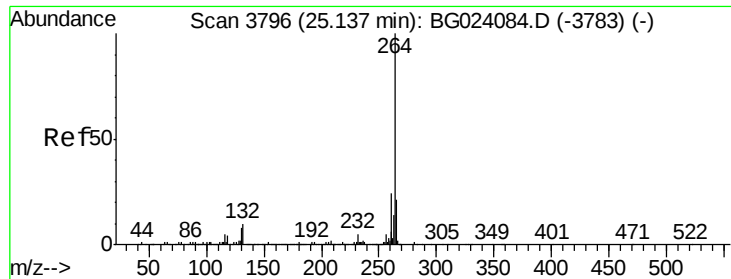
Tgt Ion:240 Resp: 411341
Ion Ratio Lower Upper
240 100
120 6.7 4.1 6.1#
236 24.9 21.1 31.7



#78
Terphenyl-d14
Concen: 86.56 ng
RT: 20.09 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BG024115.D
Acq: 24 Sep 2016 8:49

Tgt Ion:244 Resp: 1738934
Ion Ratio Lower Upper
244 100
212 10.8 10.8 16.2
122 8.8 8.0 12.0





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.13 min Scan# 3794
 Delta R.T. -0.01 min
 Lab File: BG024115.D
 Acq: 24 Sep 2016 8:49

Instrument :
 BNA_G
 ClientSampleId :
 LICFIELDBLANK-1-92016

Tgt Ion:	264	Resp:	394495
Ion Ratio	Lower	Upper	
264	100		
260	22.3	18.4	27.6
265	19.5	18.9	28.3

