

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG093016\
 Data File : BG024160.D
 Acq On : 30 Sep 2016 15:32
 Operator : UM/SJ
 Sample : H4998-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B045-9-10

Quant Time: Sep 30 18:46:06 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

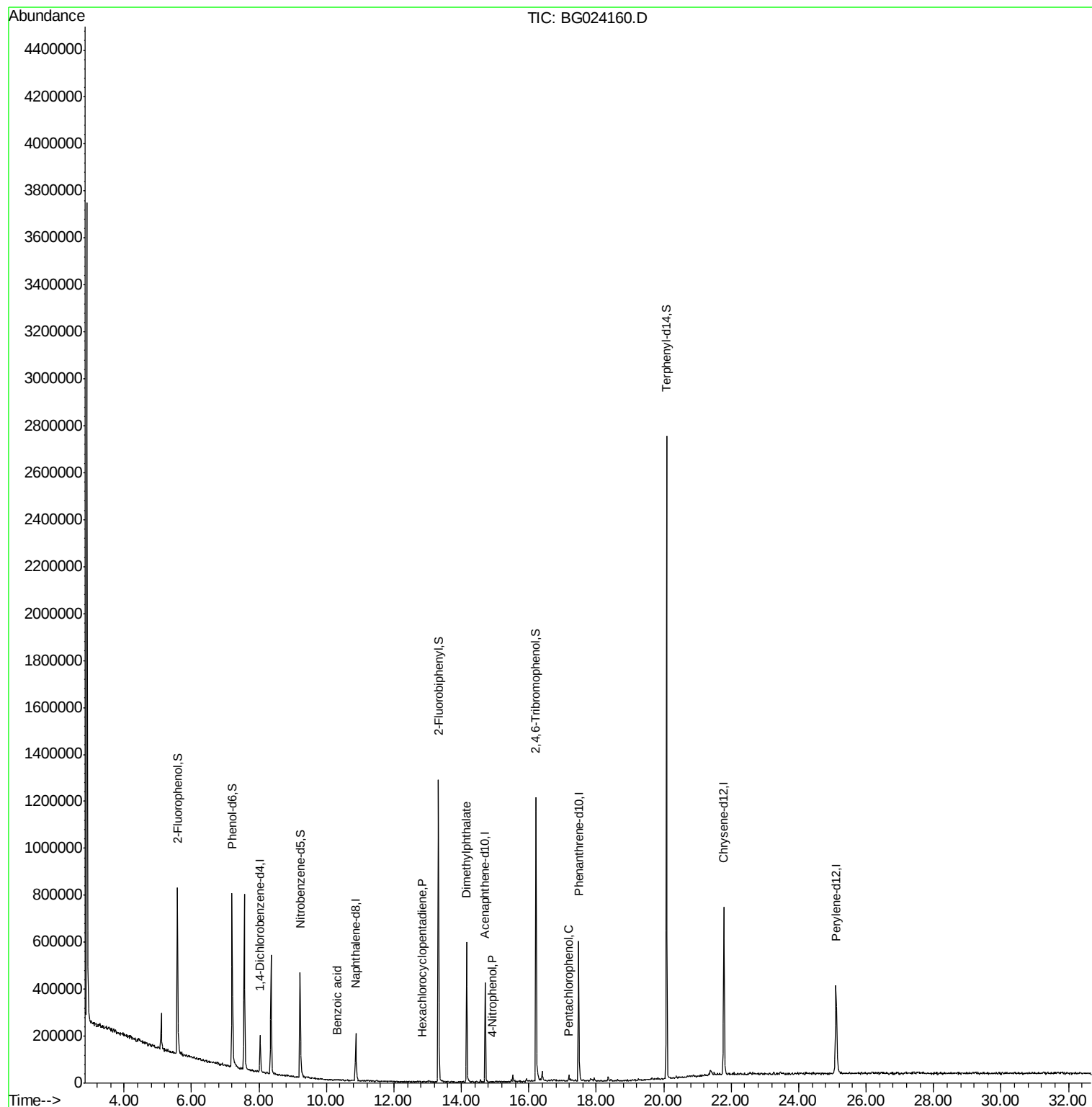
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42618	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	185445	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	157058	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	384586	20.00	ng	0.00
75) Chrysene-d12	21.78	240	461101	20.00	ng	-0.01
86) Perylene-d12	25.11	264	433631	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	298034	121.15	ng	0.00
7) Phenol-d6	7.20	99	445603	107.65	ng	0.00
23) Nitrobenzene-d5	9.22	82	324994	69.07	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	213262	94.47	ng	-0.01
44) 2-Fluorobiphenyl	13.32	172	629223	67.34	ng	-0.01
78) Terphenyl-d14	20.08	244	1122376	49.84	ng	-0.02
Target Compounds						
32) Benzoic acid	10.32	122	54	2.18	ng	# 1
40) Hexachlorocyclopentadiene	12.82	237	77	3.63	ng	# 26
49) Dimethylphthalate	14.15	163	396865	32.94	ng	# 98
55) 4-Nitrophenol	14.92	139	64	5.38	ng	# 1
69) Pentachlorophenol	17.17	266	59	3.58	ng	# 18

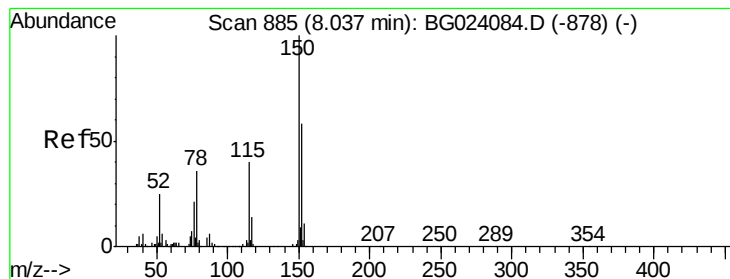
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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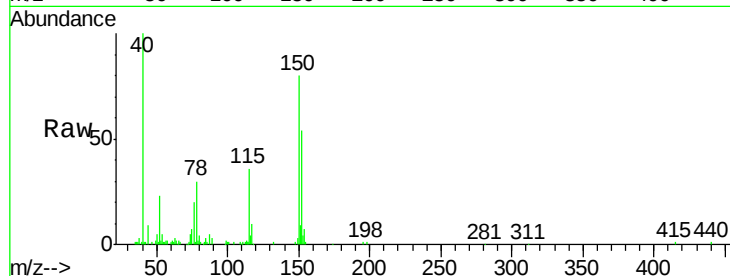


#1

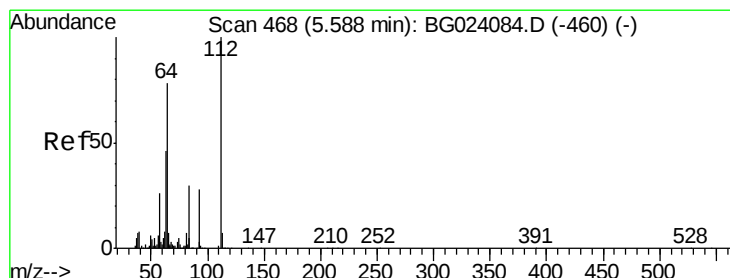
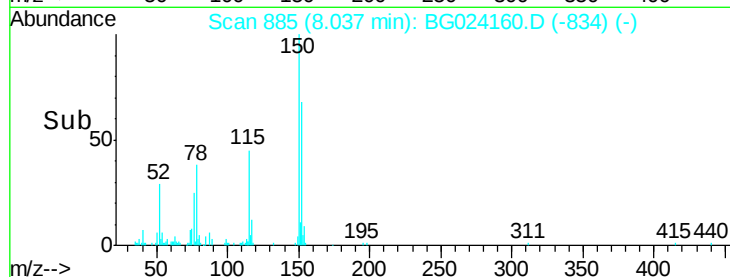
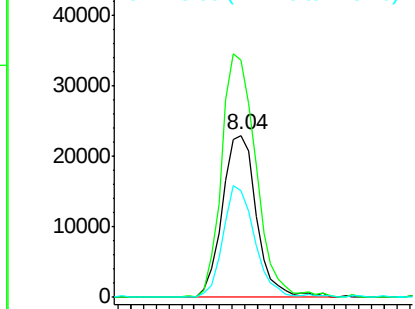
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG024160.D
Acq: 30 Sep 2016 15:32

Instrument :
BNA_G
ClientSampleId :
SUP-B045-9-10

Tgt Ion:152 Resp: 42618
Ion Ratio Lower Upper
152 100
150 146.5 144.7 217.1
115 65.8 64.0 96.0



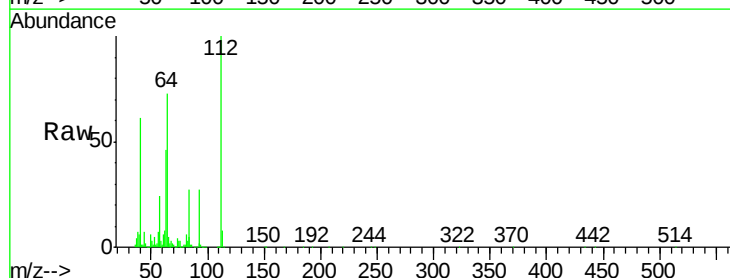
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



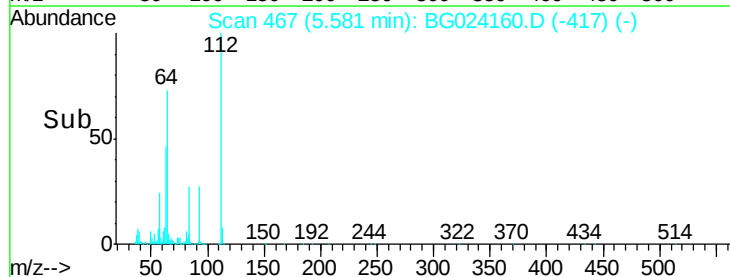
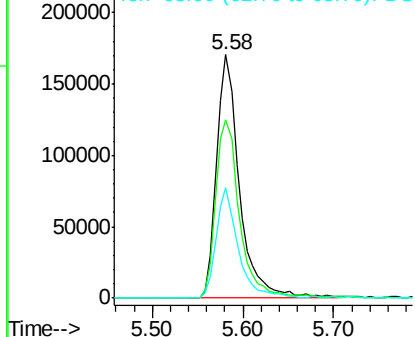
#5

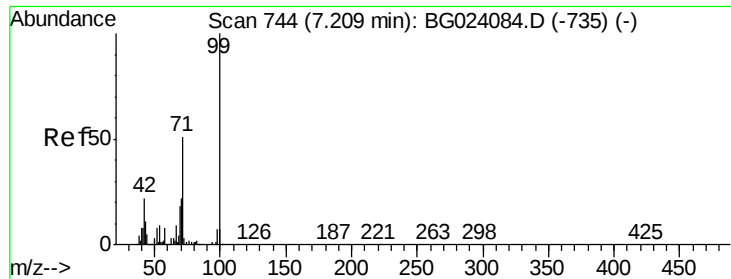
2-Fluorophenol
Concen: 121.15 ng
RT: 5.58 min Scan# 467
Delta R.T. -0.01 min
Lab File: BG024160.D
Acq: 30 Sep 2016 15:32

Tgt Ion:112 Resp: 298034
Ion Ratio Lower Upper
112 100
64 73.2 59.0 88.4
63 45.6 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: 107.65 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

Instrument :

BNA_G

ClientSampleId :

SUP-B045-9-10

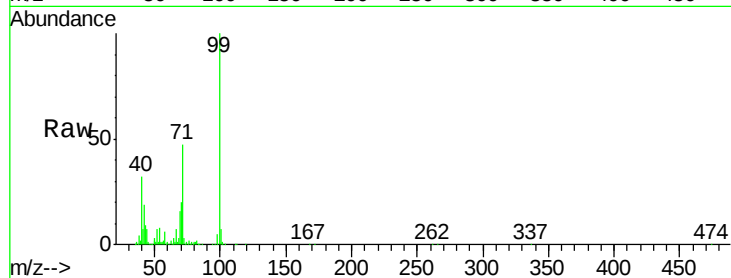
Tgt Ion: 99 Resp: 445603

Ion Ratio Lower Upper

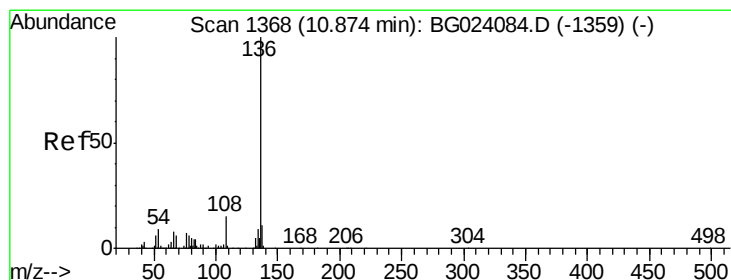
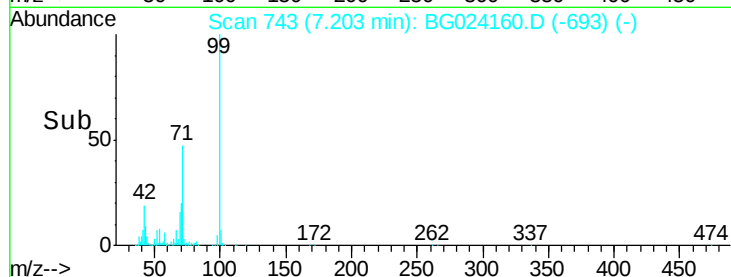
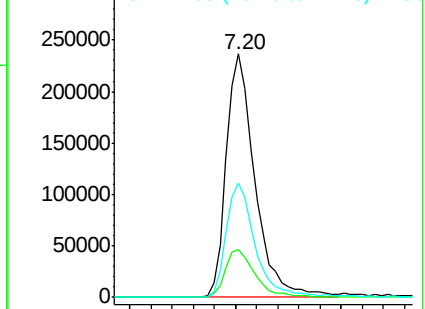
99 100

42 19.5 17.8 26.6

71 46.8 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# 1367

Delta R.T. -0.01 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

Tgt Ion: 136 Resp: 185445

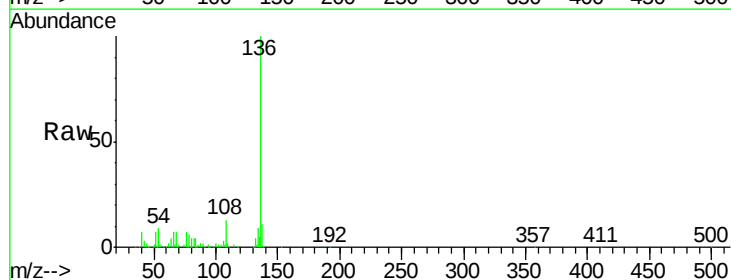
Ion Ratio Lower Upper

136 100

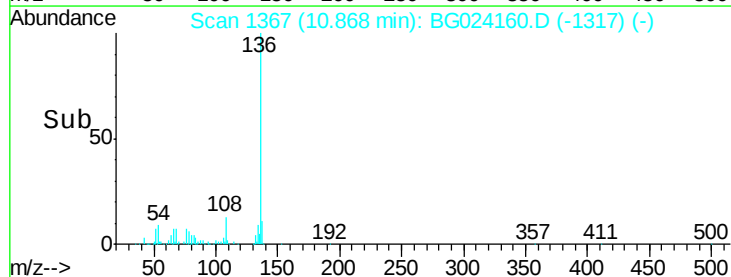
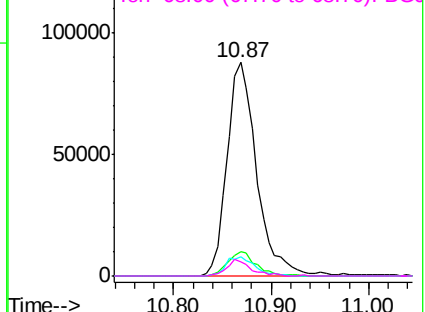
137 11.5 9.6 14.4

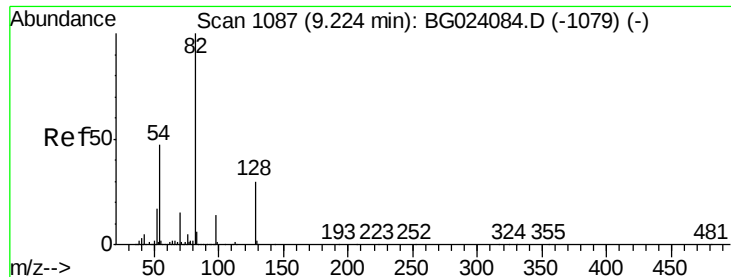
54 9.3 7.3 10.9

68 6.8 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

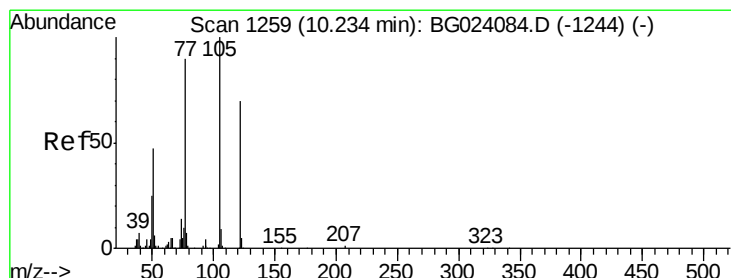
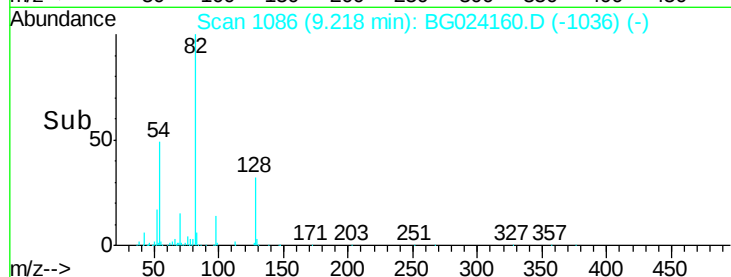
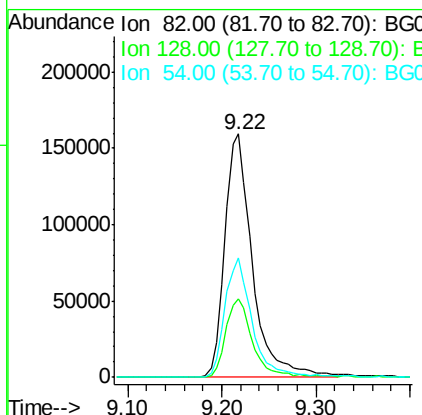
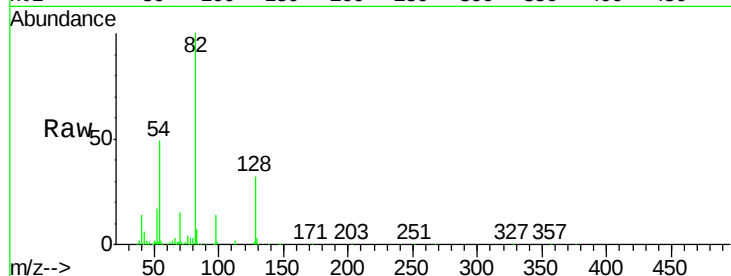




#23
 Nitrobenzene-d5
 Concen: 69.07 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BG024160.D
 Acq: 30 Sep 2016 15:32

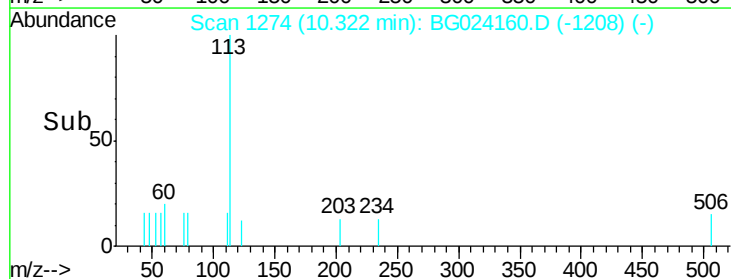
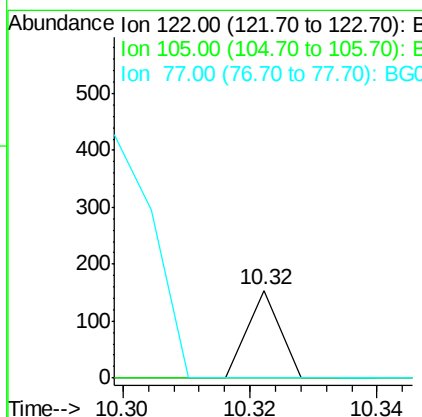
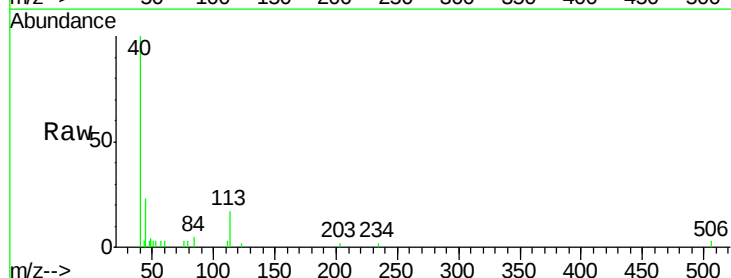
Instrument :
 BNA_G
 ClientSampleId :
 SUP-B045-9-10

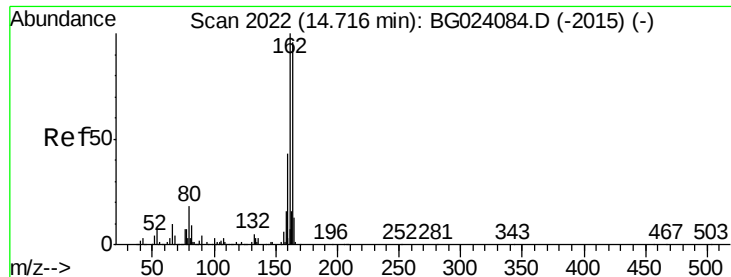
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.2	24.4	36.6
54	49.0	41.4	62.0



#32
 Benzoic acid
 Concen: 2.18 ng
 RT: 10.32 min Scan# 1274
 Delta R.T. 0.09 min
 Lab File: BG024160.D
 Acq: 30 Sep 2016 15:32

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: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

Instrument :

BNA_G

ClientSampleId :

SUP-B045-9-10

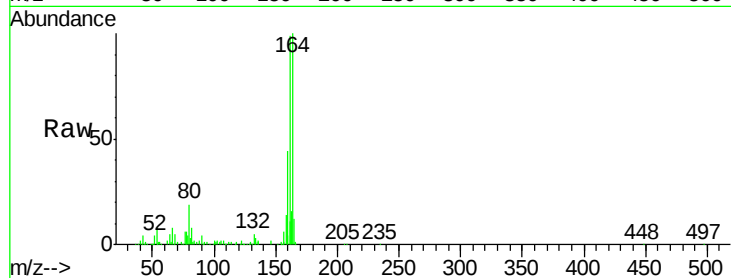
Tgt Ion:164 Resp: 157058

Ion Ratio Lower Upper

164 100

162 98.7 87.7 131.5

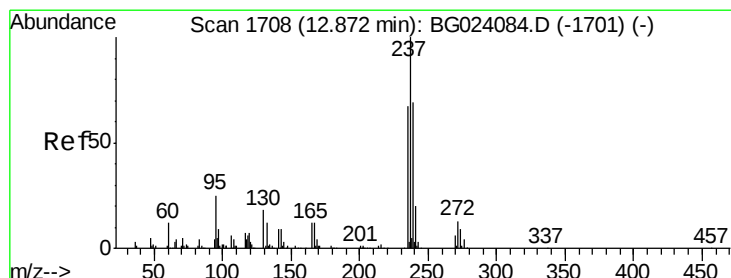
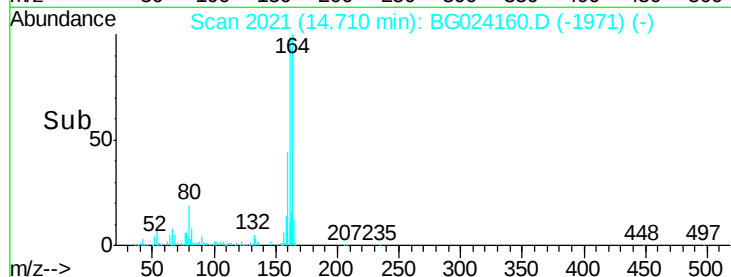
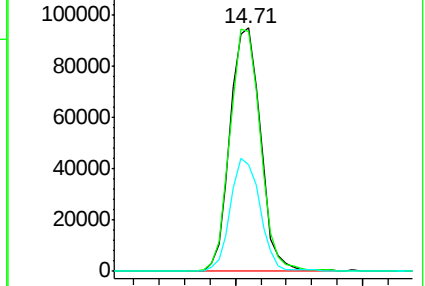
160 43.7 37.2 55.8



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: 3.63 ng

RT: 12.82 min Scan# 1700

Delta R.T. -0.05 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

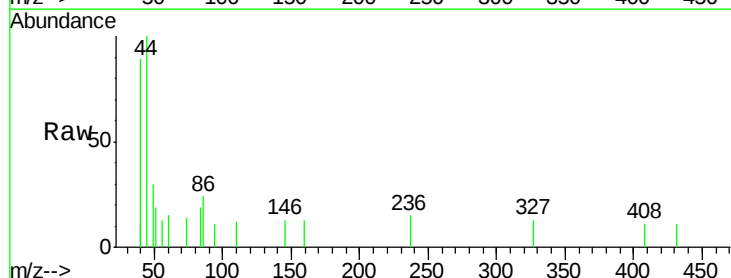
Tgt Ion:237 Resp: 77

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

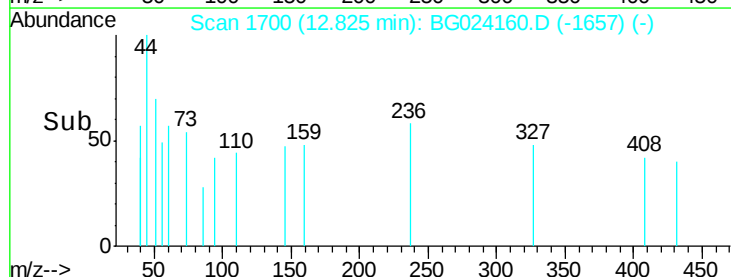
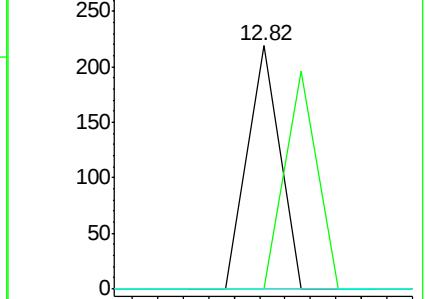
272 0.0 0.0 30.9

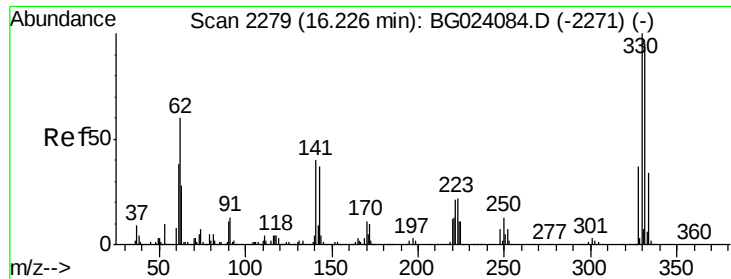


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

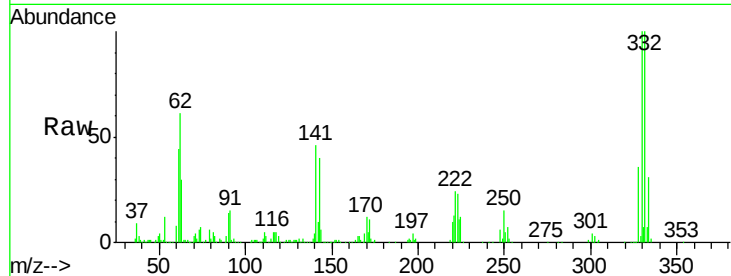




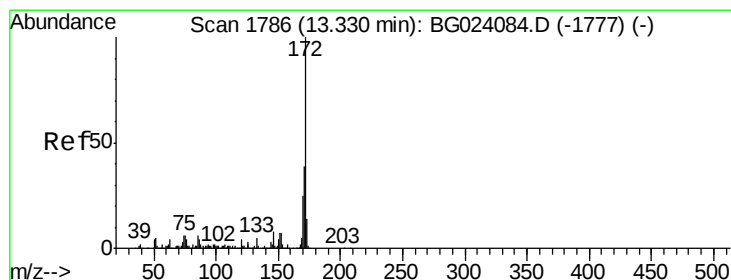
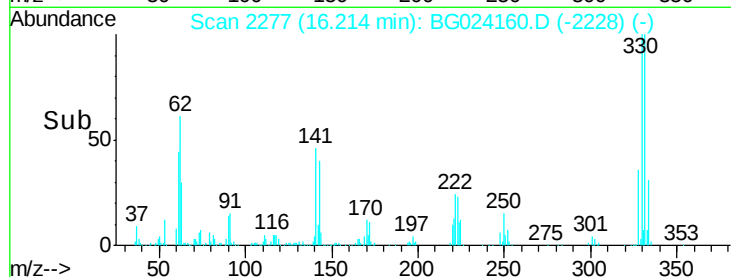
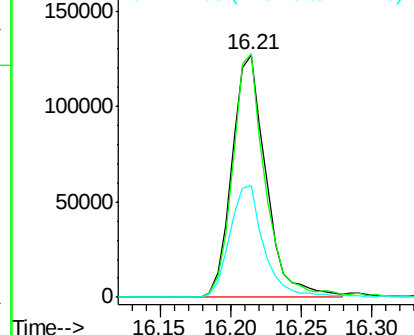
#41
 2,4,6-Tribromophenol
 Concen: 94.47 ng
 RT: 16.21 min Scan# 2277
 Delta R.T. -0.01 min
 Lab File: BG024160.D
 Acq: 30 Sep 2016 15:32

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B045-9-10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	46.0	31.7	47.5

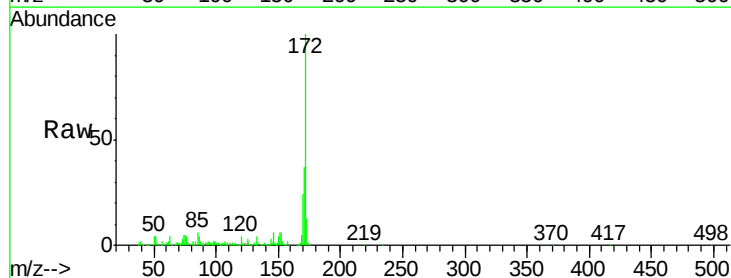


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

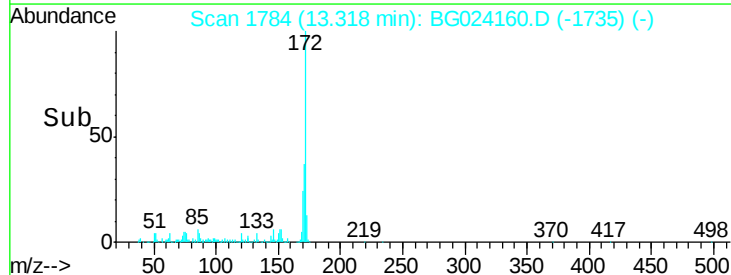
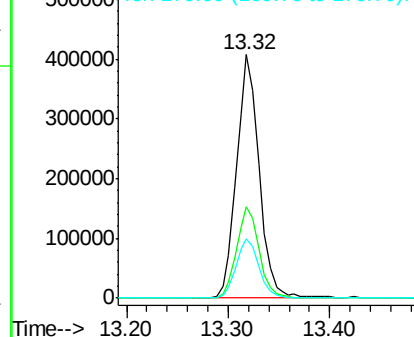


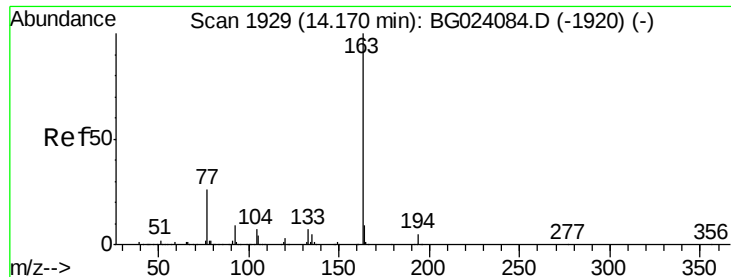
#44
 2-Fluorobiphenyl
 Concen: 67.34 ng
 RT: 13.32 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BG024160.D
 Acq: 30 Sep 2016 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.6	47.4
170	24.4	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: 32.94 ng

RT: 14.15 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

Instrument :

BNA_G

ClientSampleId :

SUP-B045-9-10

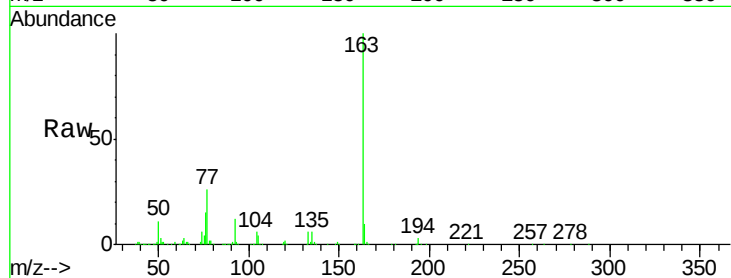
Tgt Ion:163 Resp: 396865

Ion Ratio Lower Upper

163 100

194 3.1 3.6 5.4#

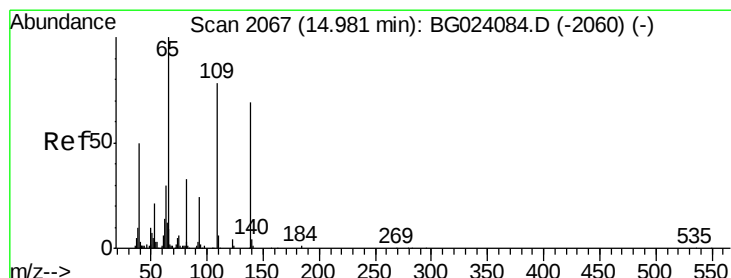
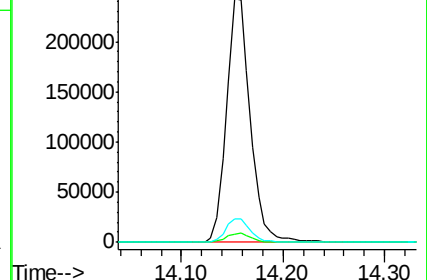
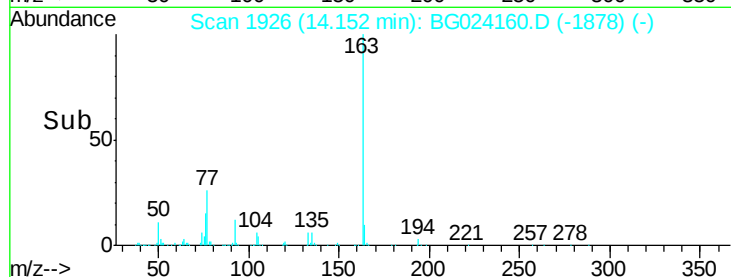
164 9.7 8.1 12.1



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: 14.92 min Scan# 2057

Delta R.T. -0.06 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

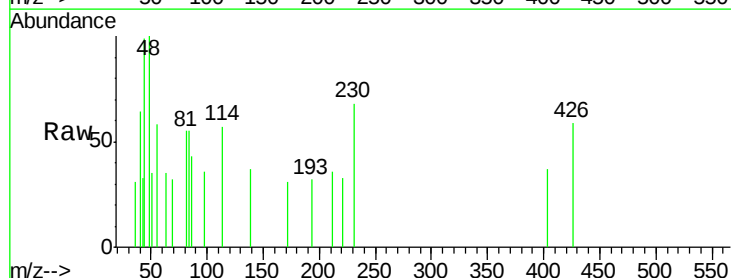
Tgt Ion:139 Resp: 64

Ion Ratio Lower Upper

139 100

109 0.0 103.0 143.0#

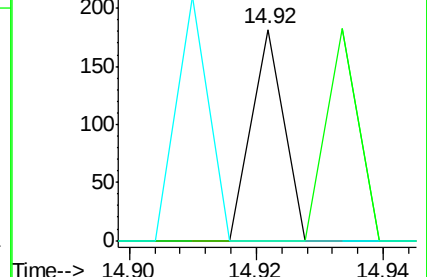
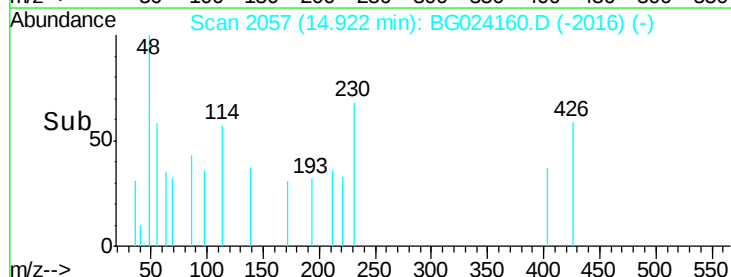
65 0.0 112.7 152.7#

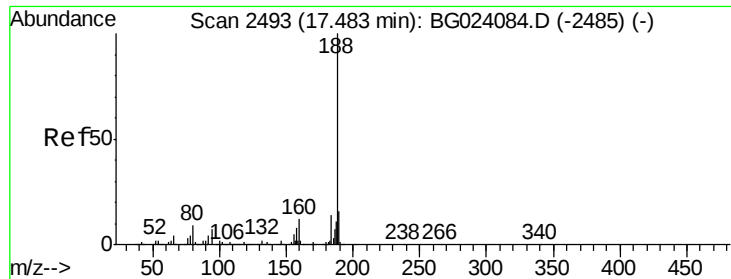


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2492

Delta R.T. -0.01 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

Instrument :

BNA_G

ClientSampleId :

SUP-B045-9-10

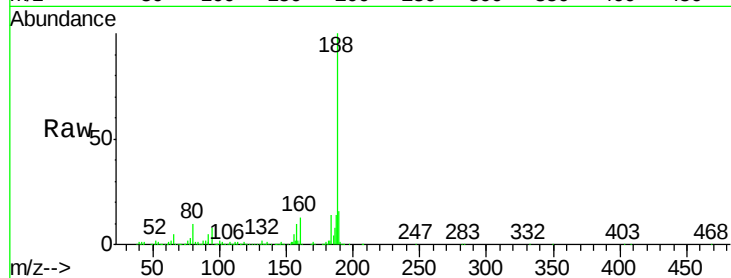
Tgt Ion:188 Resp: 384586

Ion Ratio Lower Upper

188 100

94 7.6 5.2 7.8

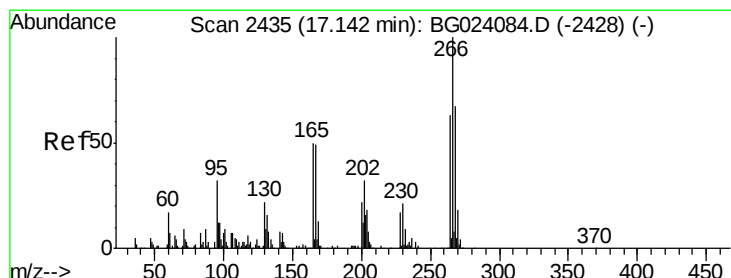
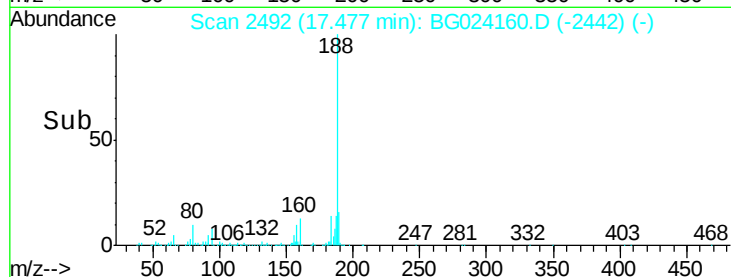
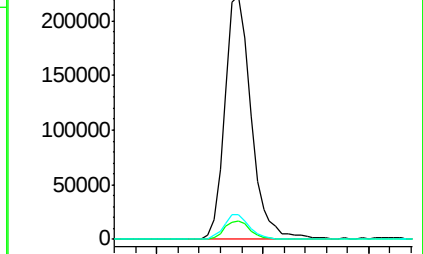
80 10.0 7.2 10.8



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: 17.17 min Scan# 2439

Delta R.T. 0.02 min

Lab File: BG024160.D

Acq: 30 Sep 2016 15:32

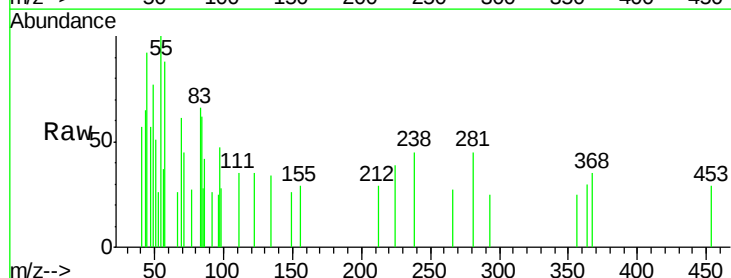
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

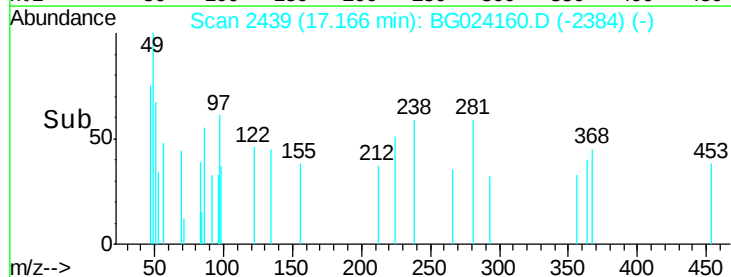
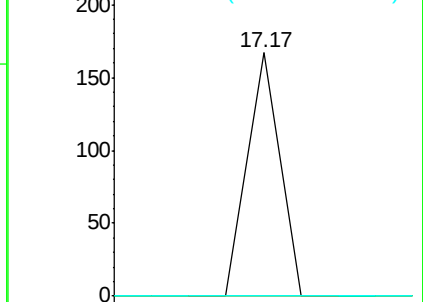
264 0.0 50.6 75.8#

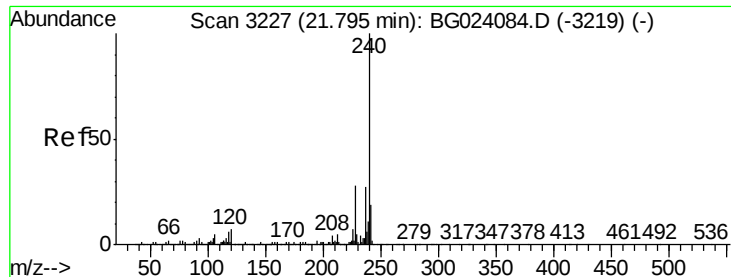


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

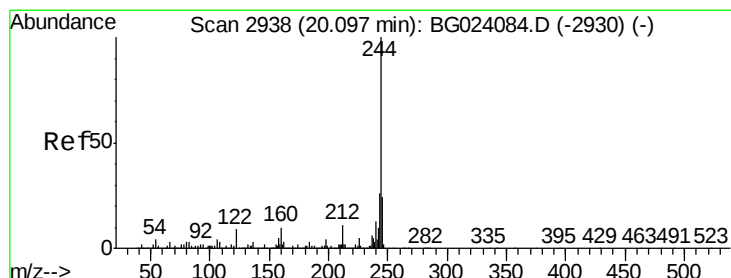
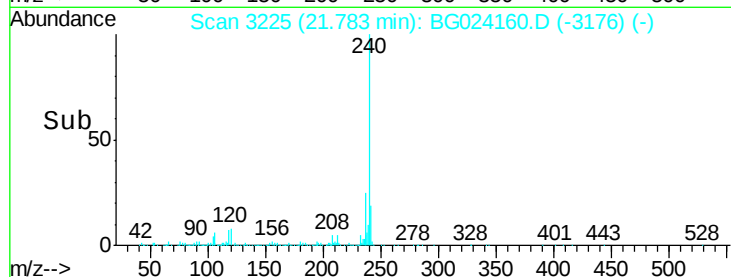
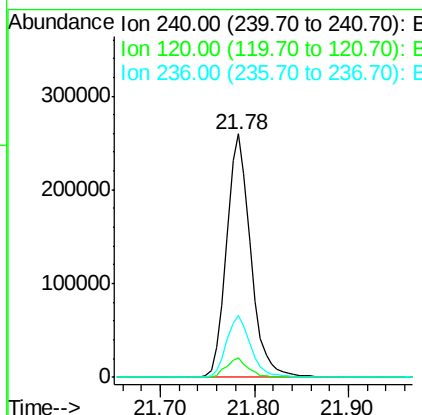
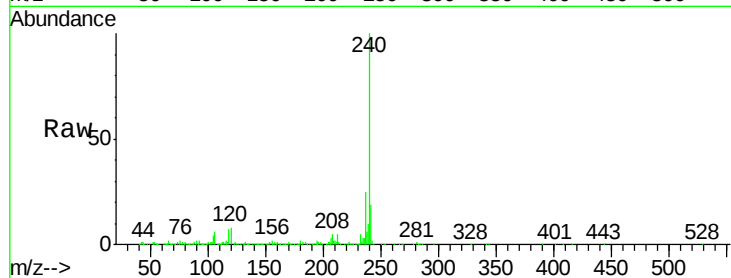




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.78 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG024160.D
Acq: 30 Sep 2016 15:32

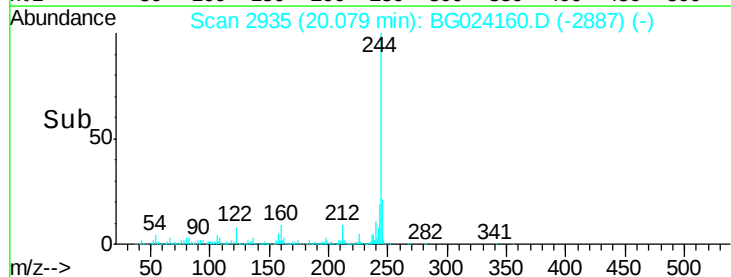
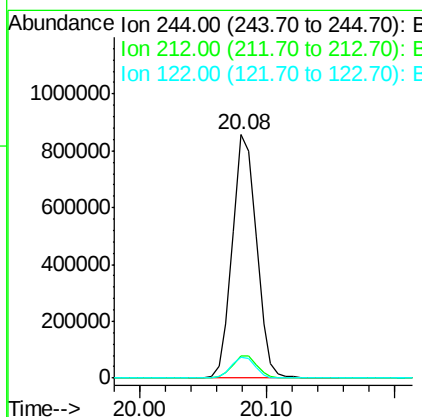
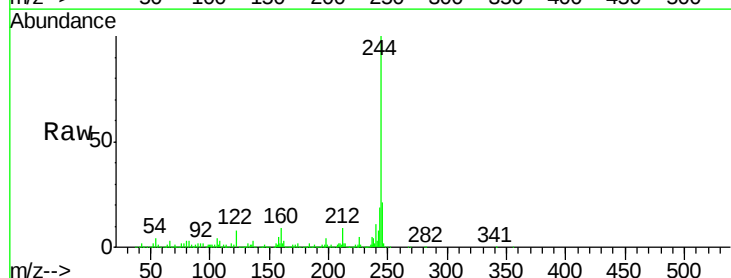
Instrument :
BNA_G
ClientSampleId :
SUP-B045-9-10

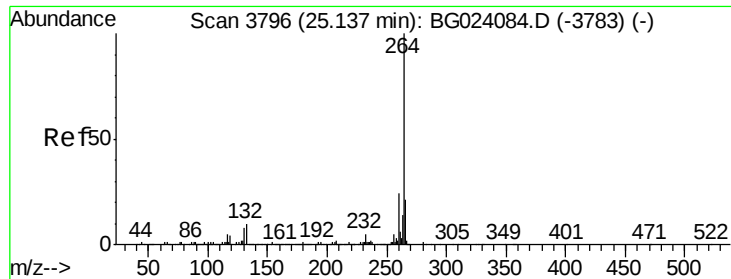
Tgt Ion:240 Resp: 461101
Ion Ratio Lower Upper
240 100
120 7.9 4.1 6.1#
236 25.3 21.1 31.7



#78
Terphenyl-d14
Concen: 49.84 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.02 min
Lab File: BG024160.D
Acq: 30 Sep 2016 15:32

Tgt Ion:244 Resp: 1122376
Ion Ratio Lower Upper
244 100
212 9.1 10.8 16.2#
122 8.4 8.0 12.0

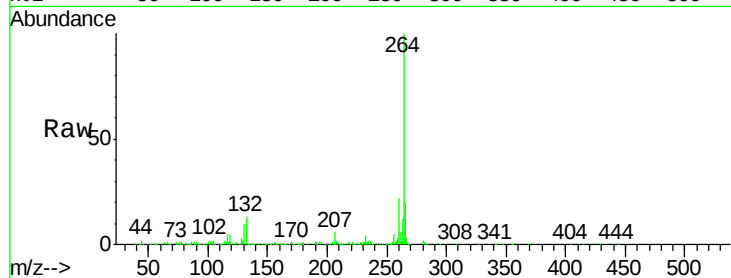




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.11 min Scan# 3791
Delta R.T. -0.03 min
Lab File: BG024160.D
Acq: 30 Sep 2016 15:32

Instrument :
BNA_G
ClientSampleId :
SUP-B045-9-10

Tgt Ion:	264	Resp:	433631
Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	19.5	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

