

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024122.D
 Acq On : 24 Sep 2016 13:17
 Operator : UM/SJ
 Sample : H4902-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2-092116

Quant Time: Sep 26 00:51:13 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

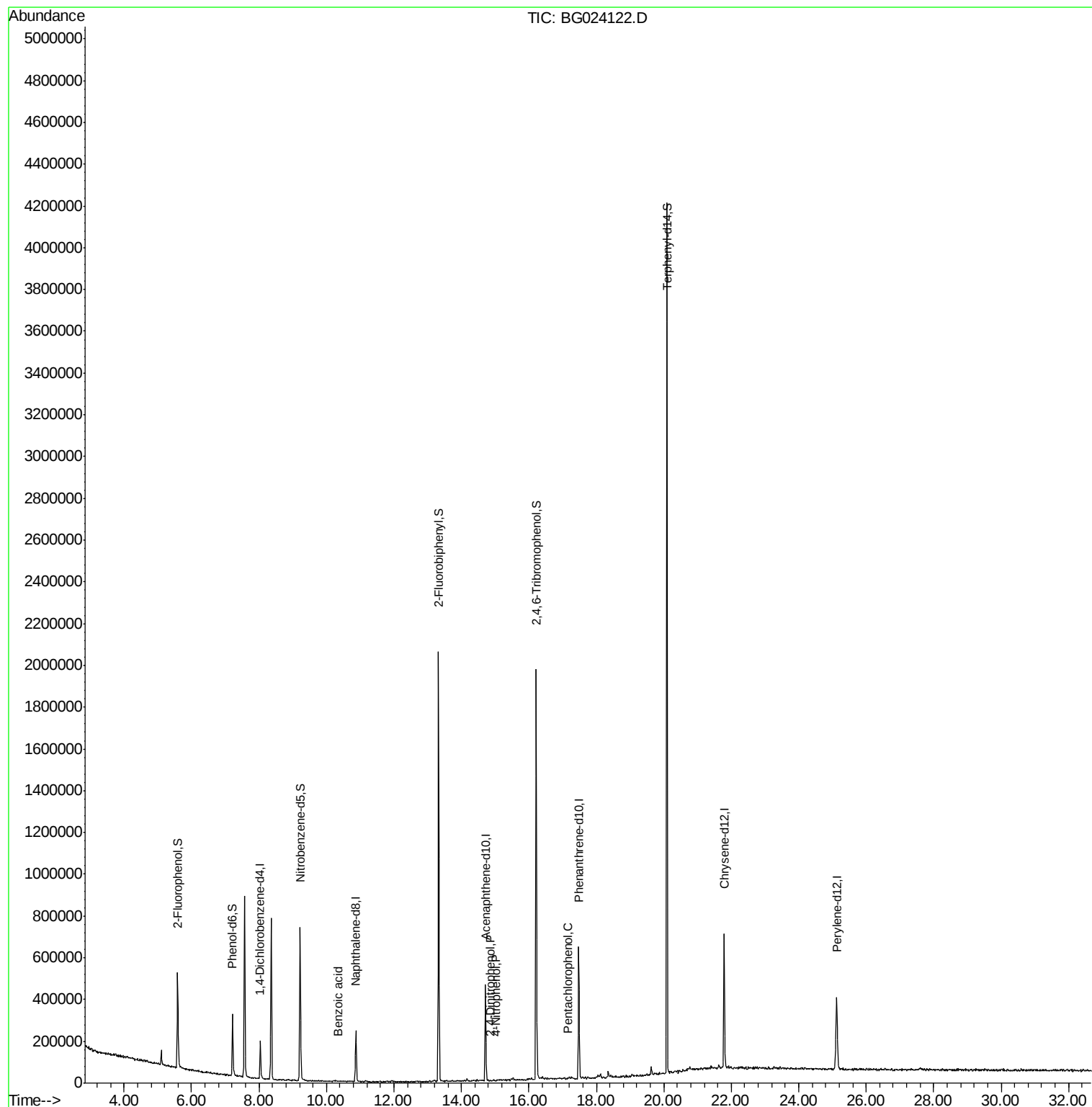
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46025	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	205929	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	168696	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	369519	20.00	ng	0.00
75) Chrysene-d12	21.79	240	416868	20.00	ng	0.00
86) Perylene-d12	25.12	264	395601	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	193758	72.93	ng	0.00
7) Phenol-d6	7.22	99	186558	41.73	ng	0.00
23) Nitrobenzene-d5	9.22	82	490701	93.92	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	347942	143.49	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	1002540	99.90	ng	0.00
78) Terphenyl-d14	20.09	244	1684169	82.72	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.34	122	59	2.18	ng	# 1
53) 2,4-Dinitrophenol	14.88	184	66	2.50	ng	# 10
55) 4-Nitrophenol	15.04	139	63	5.37	ng	84
69) Pentachlorophenol	17.16	266	53	3.58	ng	# 18

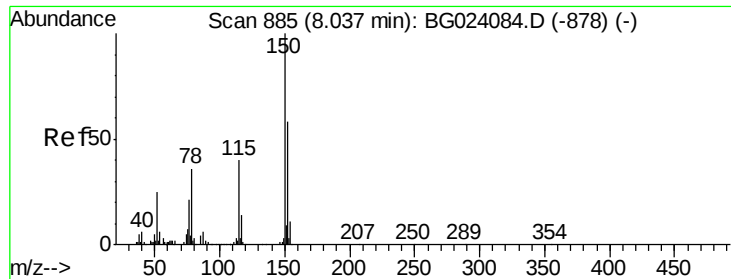
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG024122.D

Acq: 24 Sep 2016 13:17

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BNA_G

ClientSampleId :

MW-2-092116

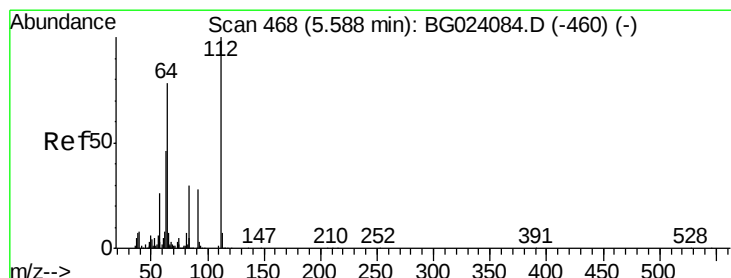
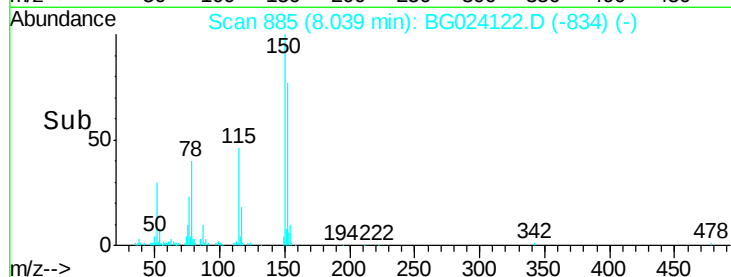
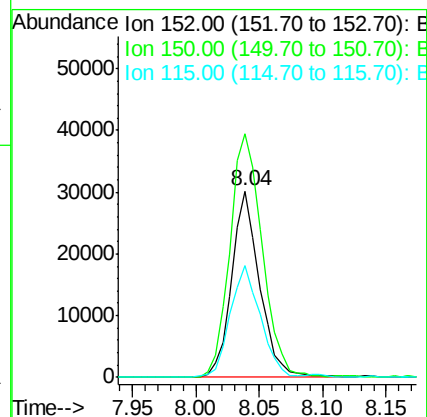
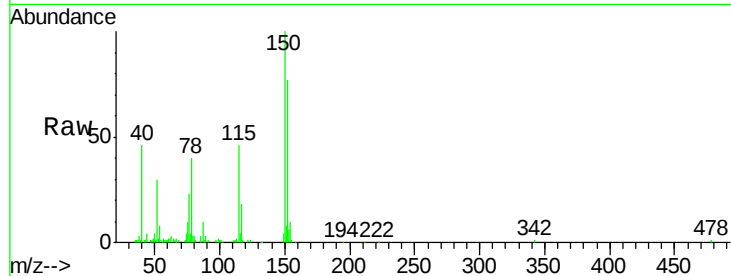
Tgt Ion:152 Resp: 46025

Ion Ratio Lower Upper

152 100

150 130.6 144.7 217.1#

115 59.9 64.0 96.0#



#5

2-Fluorophenol

Concen: 72.93 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

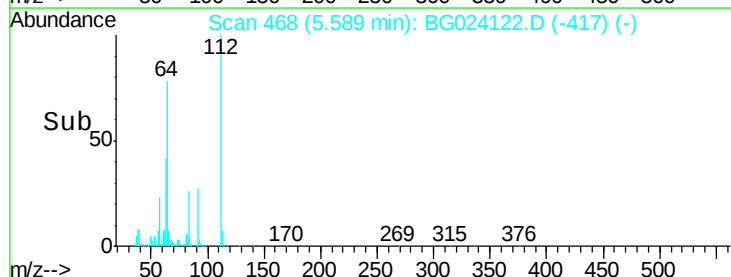
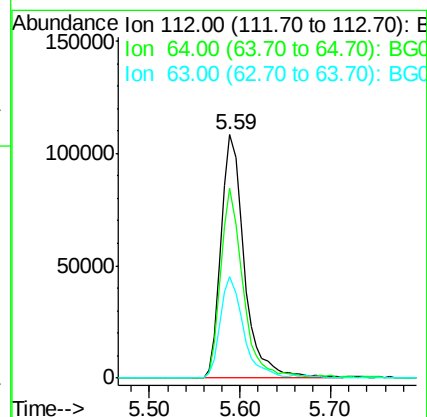
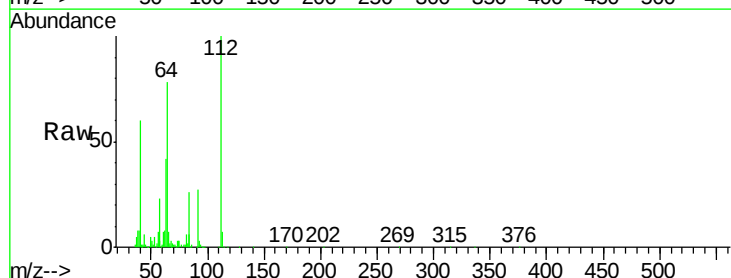
Tgt Ion:112 Resp: 193758

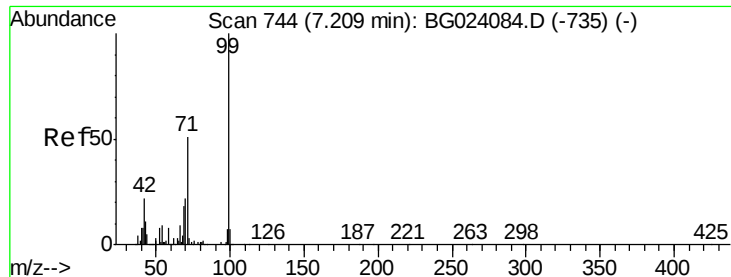
Ion Ratio Lower Upper

112 100

64 78.1 59.0 88.4

63 41.8 37.8 56.8





#7

Phenol-d6

Concen: 41.73 ng

RT: 7.22 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

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MW-2-092116

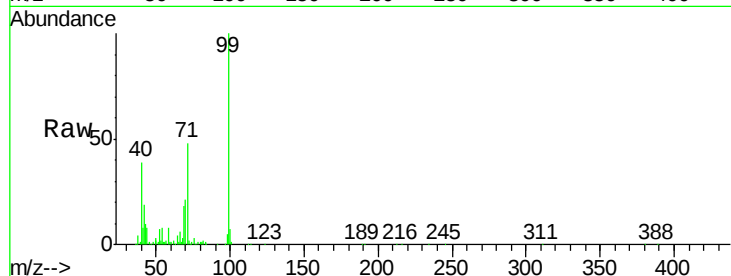
Tgt Ion: 99 Resp: 186558

Ion Ratio Lower Upper

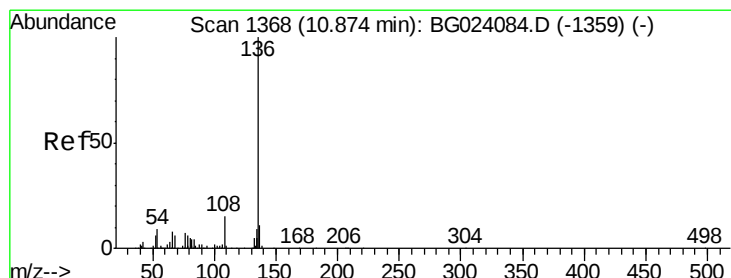
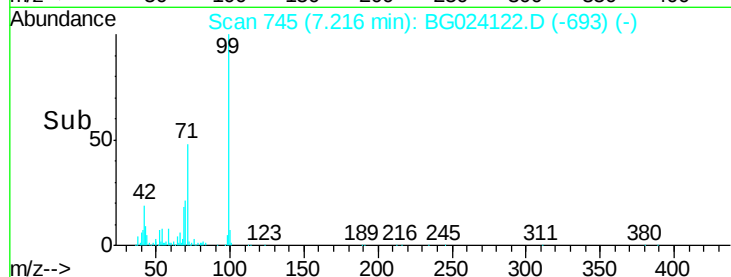
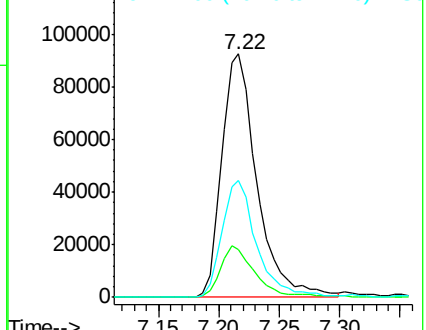
99 100

42 19.4 17.8 26.6

71 48.3 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. -0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Tgt Ion: 136 Resp: 205929

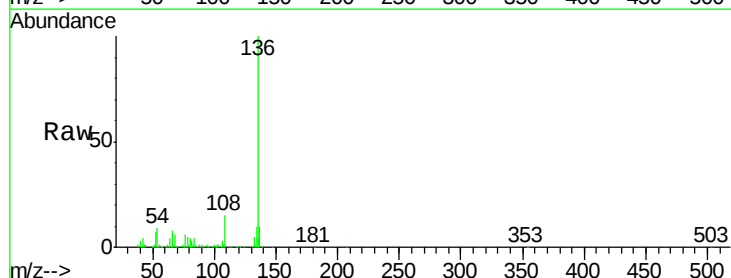
Ion Ratio Lower Upper

136 100

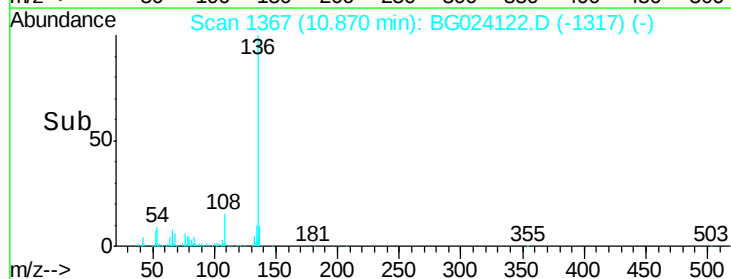
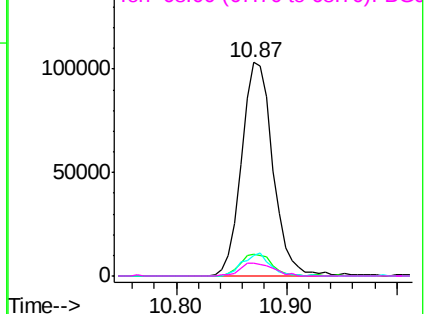
137 10.1 9.6 14.4

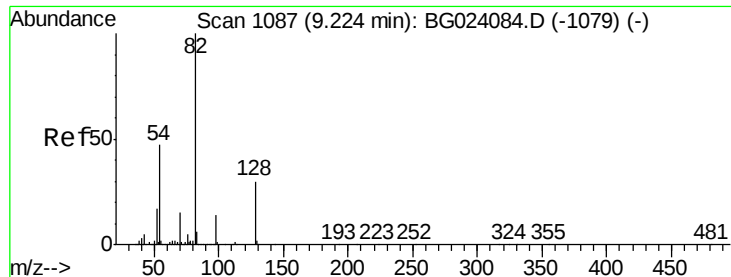
54 9.5 7.3 10.9

68 6.2 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

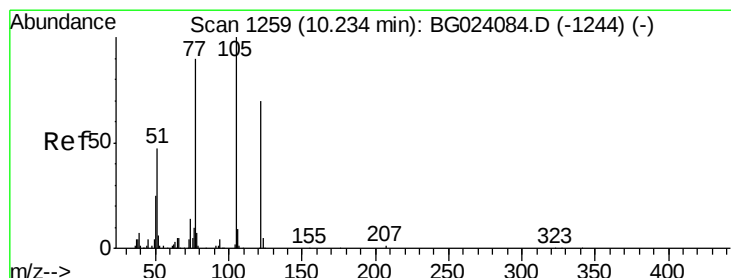
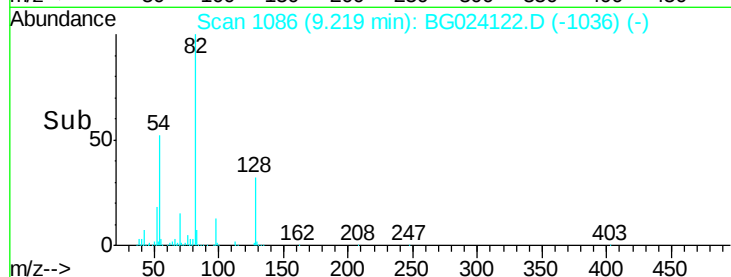
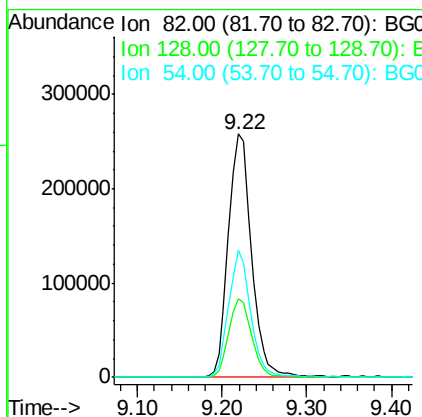
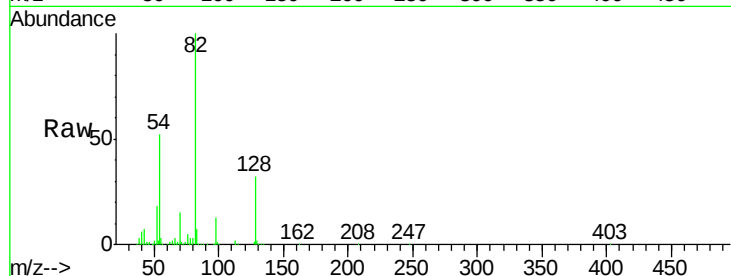




#23
 Nitrobenzene-d5
 Concen: 93.92 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BG024122.D
 Acq: 24 Sep 2016 13:17

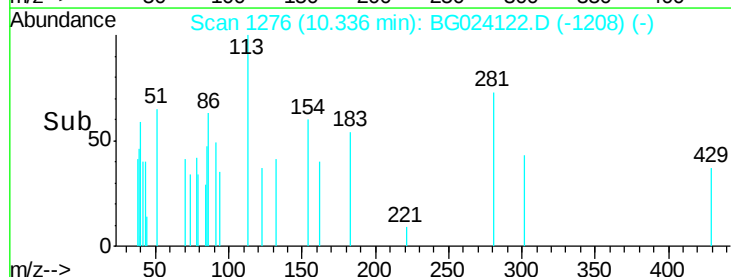
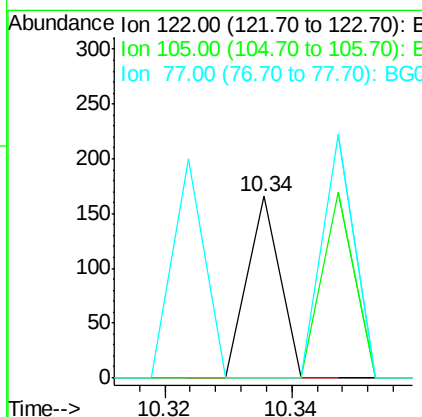
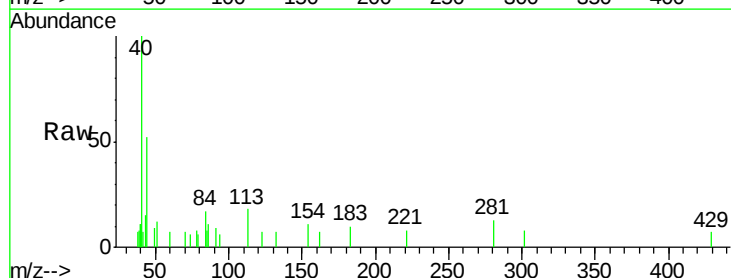
Instrument :
 BNA_G
 ClientSampleId :
 MW-2-092116

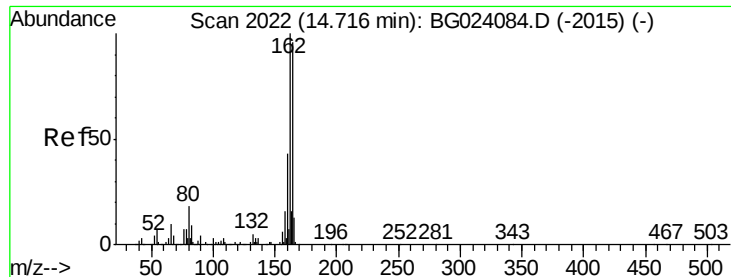
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.2	24.4	36.6
54	52.3	41.4	62.0



#32
 Benzoic acid
 Concen: 2.18 ng
 RT: 10.34 min Scan# 1276
 Delta R.T. 0.10 min
 Lab File: BG024122.D
 Acq: 24 Sep 2016 13:17

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: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

BNA_G

ClientSampleId :

MW-2-092116

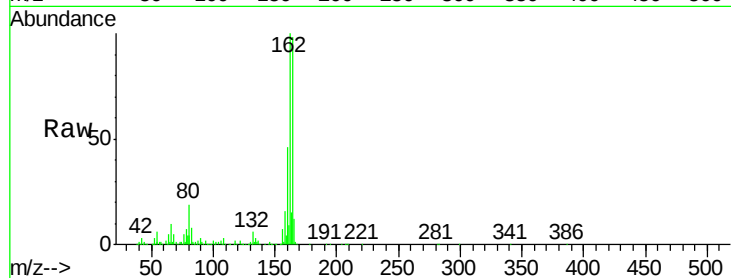
Tgt Ion:164 Resp: 168696

Ion Ratio Lower Upper

164 100

162 101.8 87.7 131.5

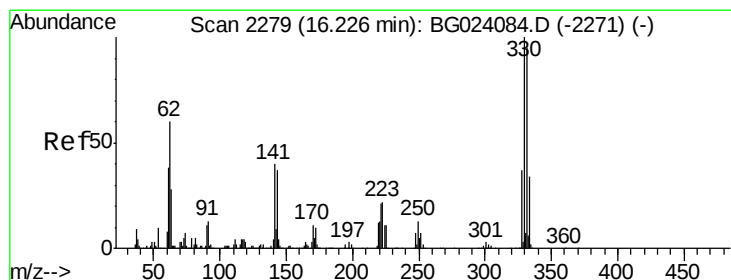
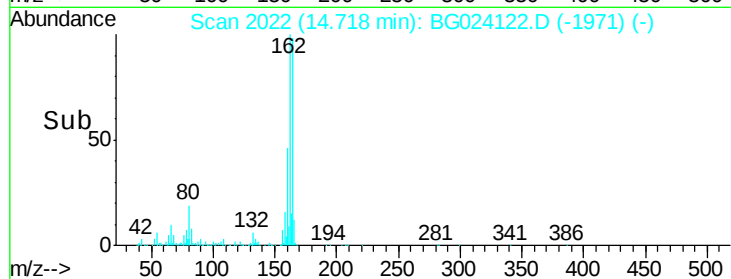
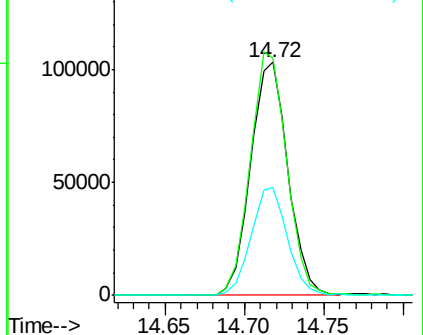
160 46.4 37.2 55.8



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



#41

2,4,6-Tribromophenol

Concen: 143.49 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

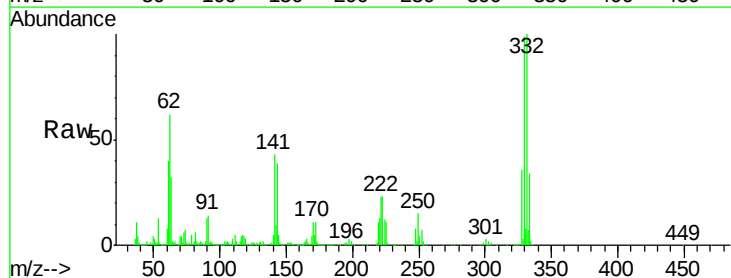
Tgt Ion:330 Resp: 347942

Ion Ratio Lower Upper

330 100

332 98.1 77.4 116.2

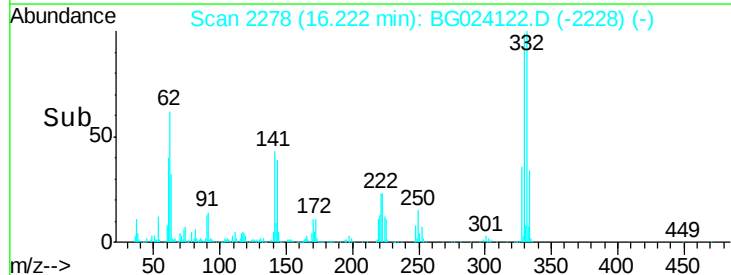
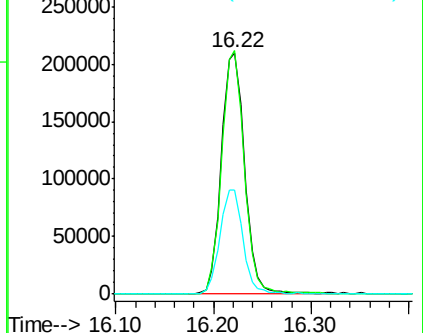
141 42.9 31.7 47.5

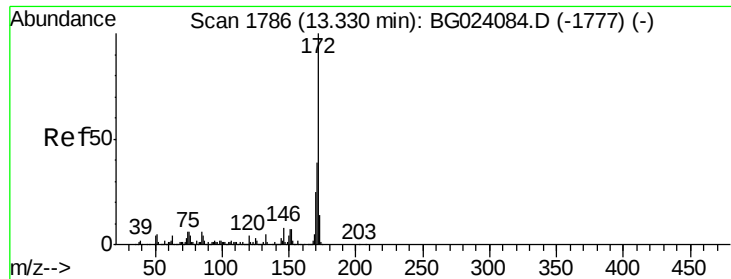


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

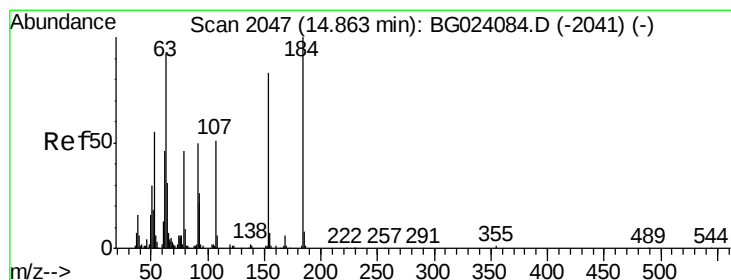
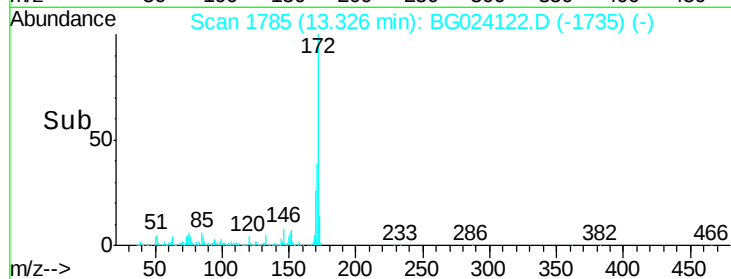
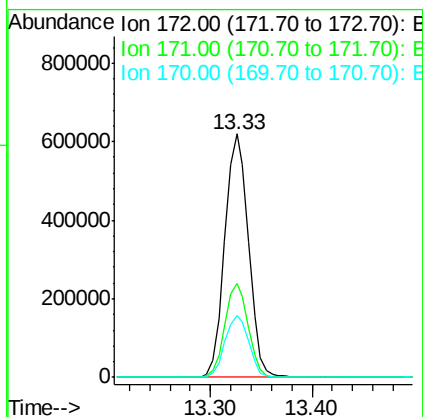
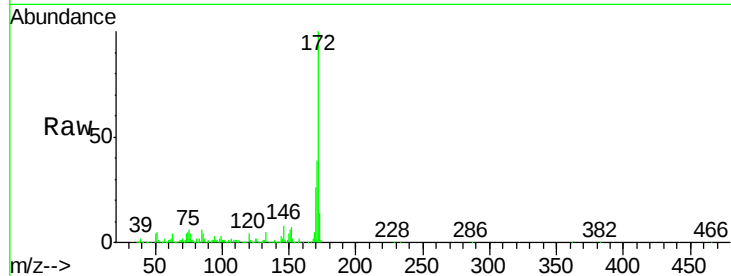




#44
 2-Fluorobiphenyl
 Concen: 99.90 ng
 RT: 13.33 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BG024122.D
 Acq: 24 Sep 2016 13:17

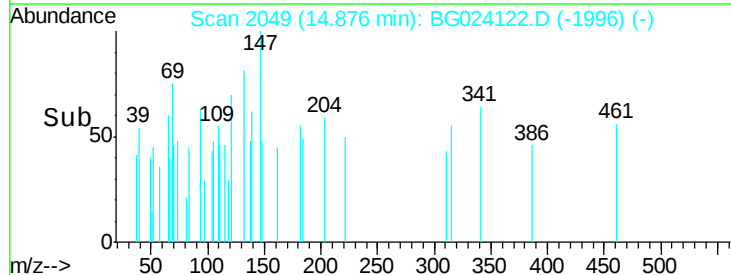
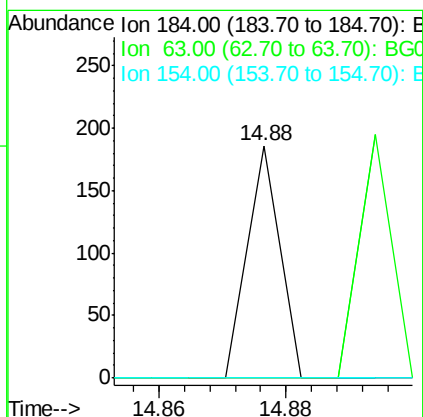
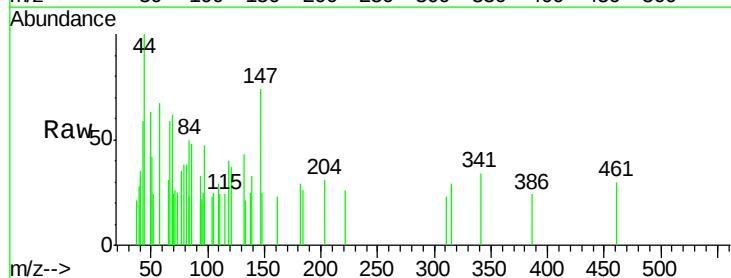
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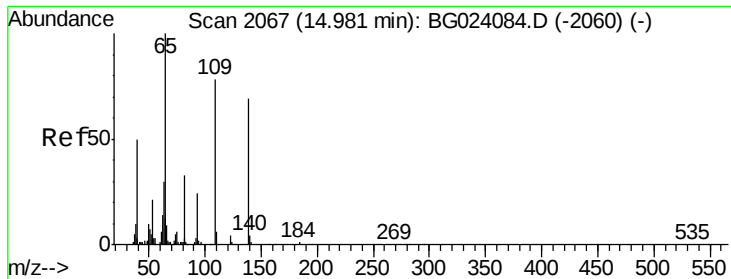
Tgt Ion:172 Resp: 1002540
 Ion Ratio Lower Upper
 172 100
 171 38.6 31.6 47.4
 170 25.6 21.3 31.9



#53
 2,4-Dinitrophenol
 Concen: 2.50 ng
 RT: 14.88 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BG024122.D
 Acq: 24 Sep 2016 13:17

Tgt Ion:184 Resp: 66
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.6 89.4#
 154 0.0 67.4 101.0#

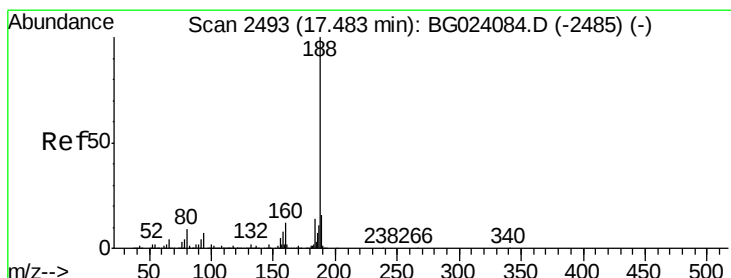
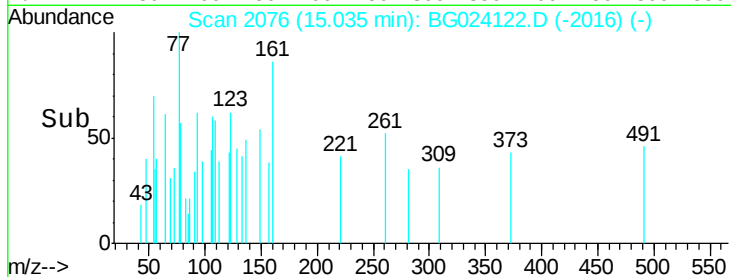
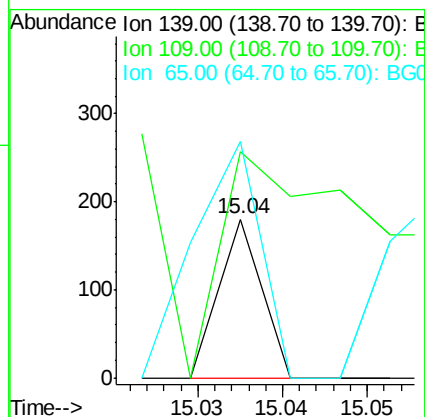
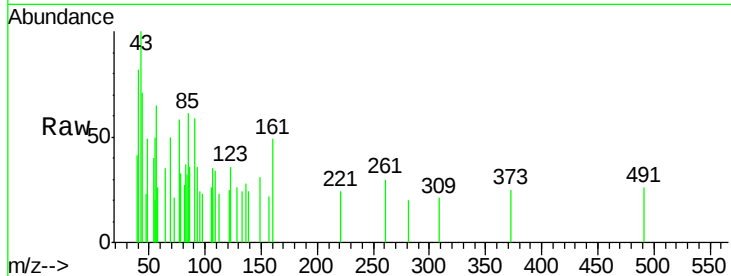




#55
4-Nitrophenol
Concen: 5.37 ng
RT: 15.04 min Scan# 2076
Delta R.T. 0.06 min
Lab File: BG024122.D
Acq: 24 Sep 2016 13:17

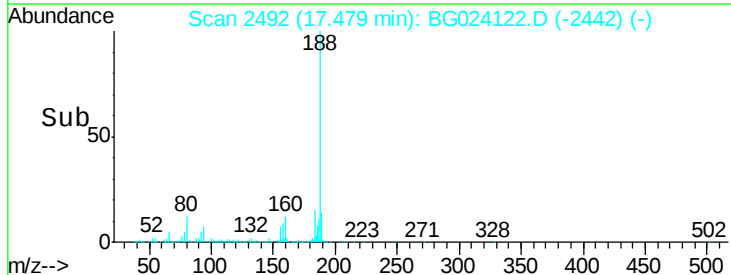
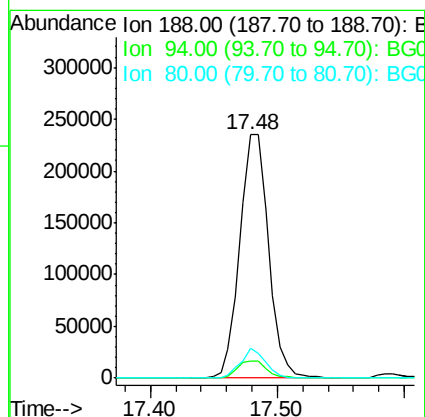
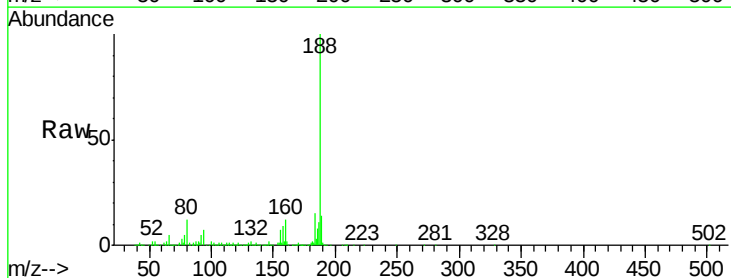
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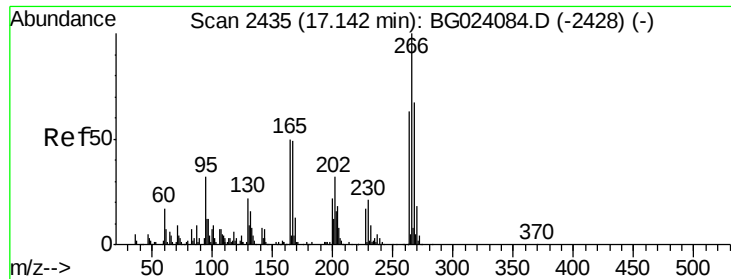
Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 142.8 103.0 143.0
65 149.4 112.7 152.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG024122.D
Acq: 24 Sep 2016 13:17

Tgt Ion:188 Resp: 369519
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 12.3 7.2 10.8#

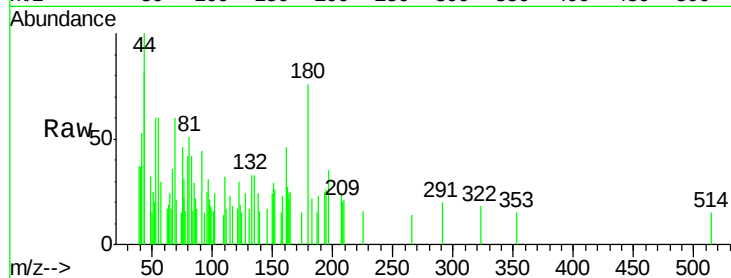




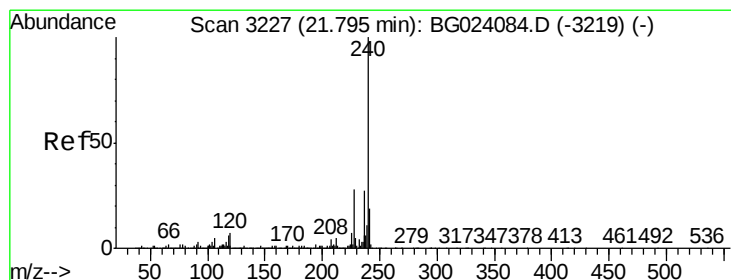
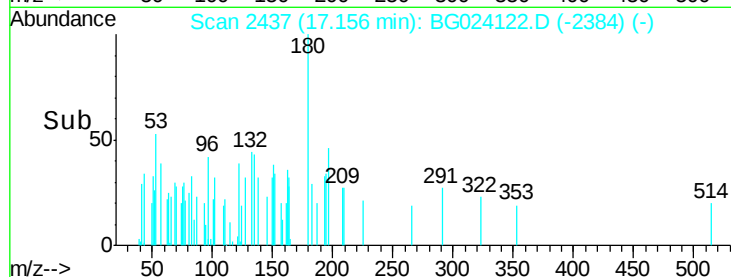
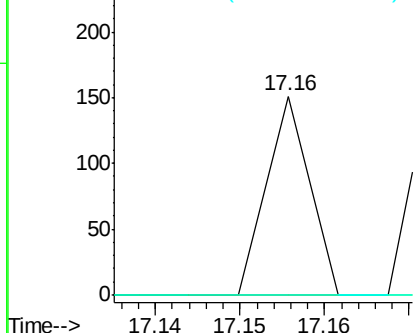
#69
 Pentachlorophenol
 Concen: 3.58 ng
 RT: 17.16 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BG024122.D
 Acq: 24 Sep 2016 13:17

Instrument :
 BNA_G
 ClientSampleId :
 MW-2-092116

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

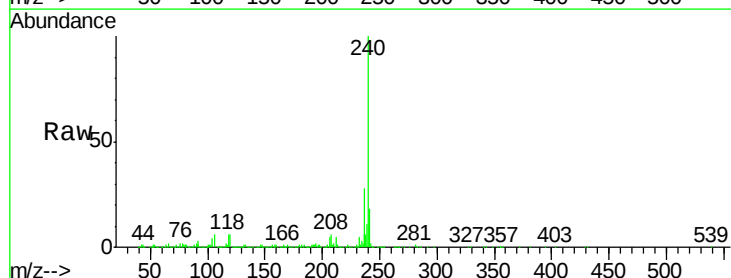


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

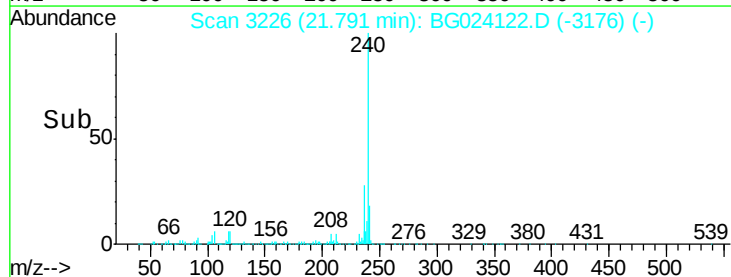
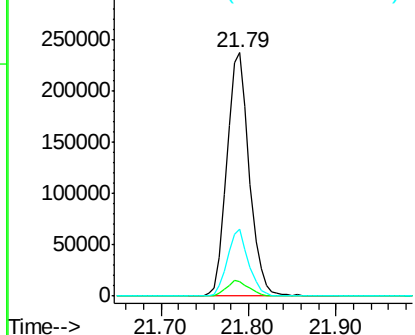


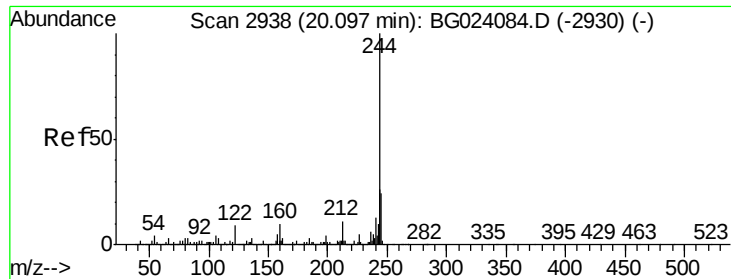
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.79 min Scan# 3226
 Delta R.T. -0.00 min
 Lab File: BG024122.D
 Acq: 24 Sep 2016 13:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.1	6.1#
236	27.7	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: 82.72 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

BNA_G

ClientSampleId :

MW-2-092116

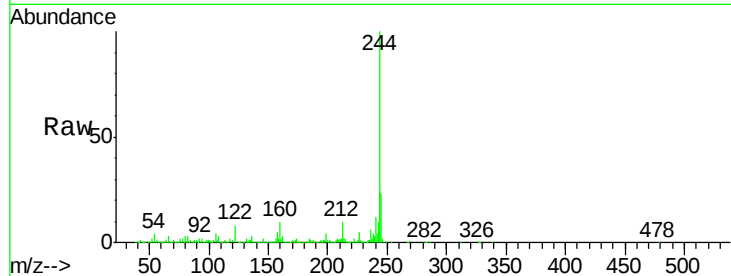
Tgt Ion:244 Resp: 1684169

Ion Ratio Lower Upper

244 100

212 10.5 10.8 16.2#

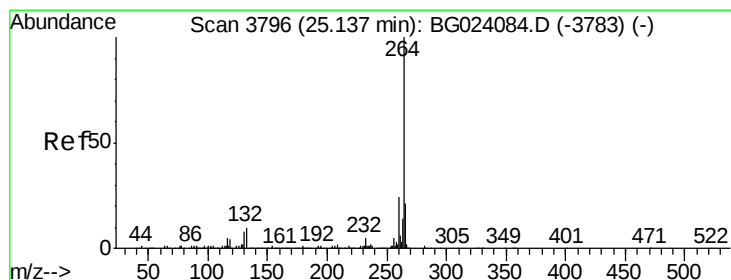
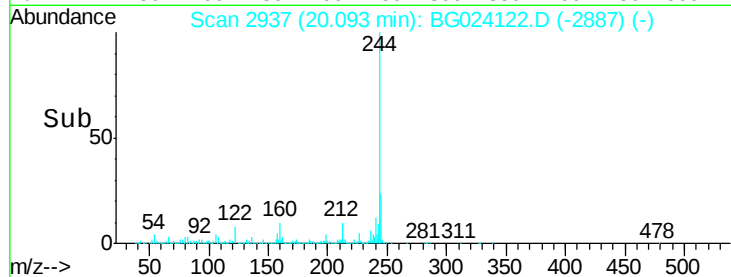
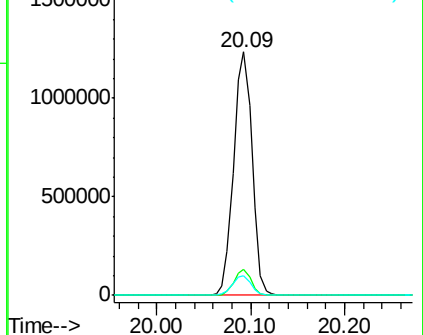
122 7.9 8.0 12.0#



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: 25.12 min Scan# 3793

Delta R.T. -0.02 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

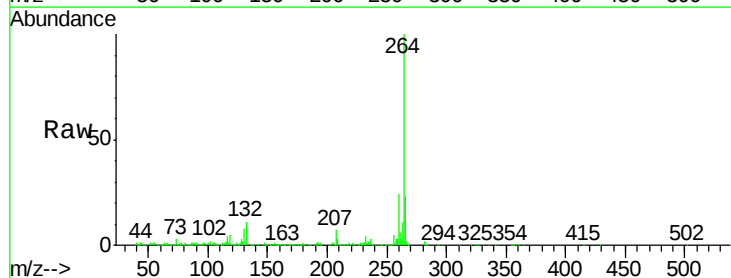
Tgt Ion:264 Resp: 395601

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 22.6 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

