

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020617\
 Data File : BG025807.D
 Acq On : 6 Feb 2017 18:07
 Operator : SJ/MA
 Sample : PB96733BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB96733BL

Quant Time: Feb 07 01:19:39 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 18:29:38 2017
 Response via : Initial Calibration

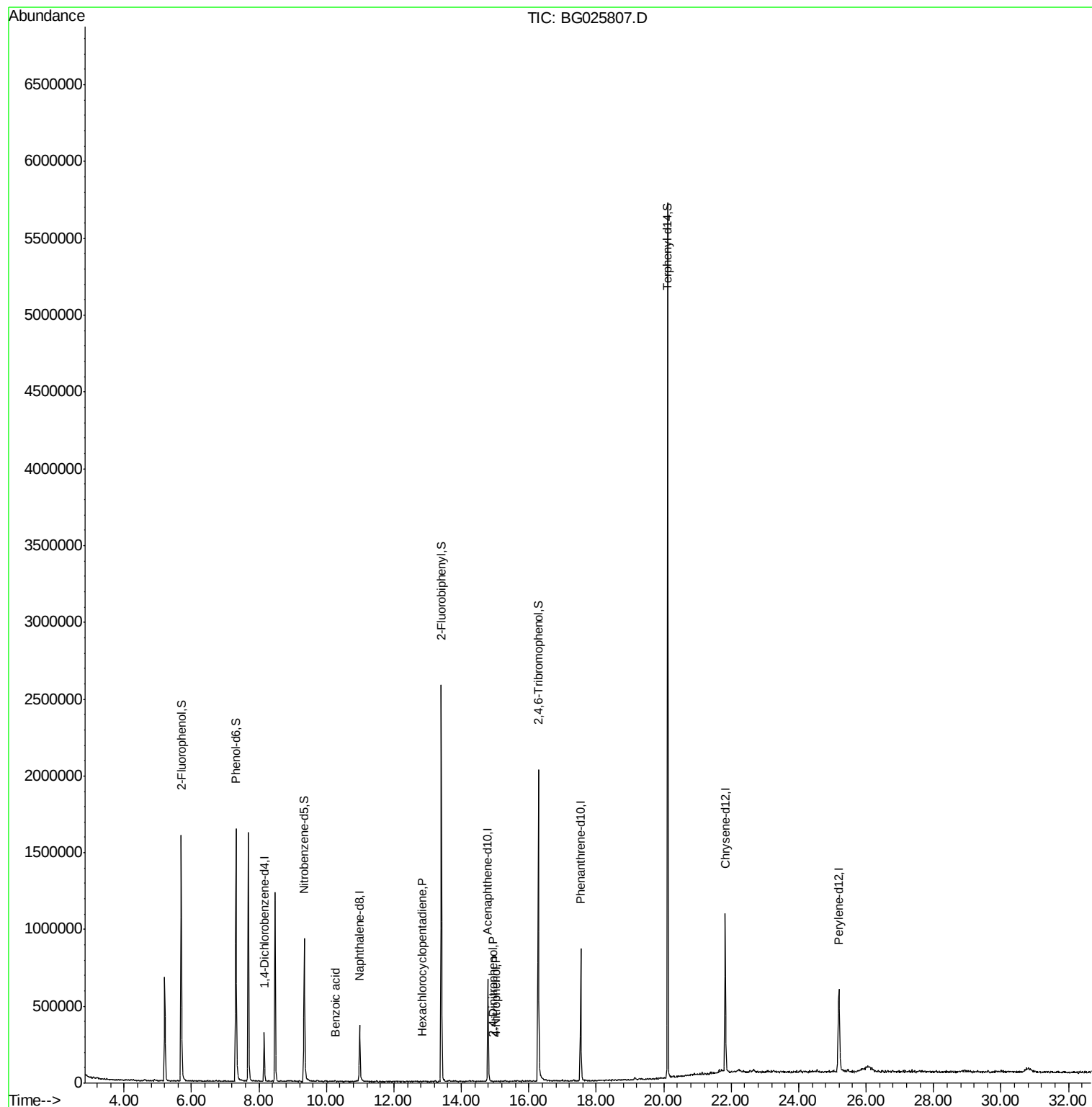
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	84979	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	342476	20.00	ng	-0.01
38) Acenaphthene-d10	14.79	164	251894	20.00	ng	-0.01
63) Phenanthrene-d10	17.54	188	562080	20.00	ng	0.00
75) Chrysene-d12	21.82	240	703061	20.00	ng	-0.02
86) Perylene-d12	25.19	264	647925	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	677027	142.78	ng	-0.01
7) Phenol-d6	7.32	99	911587	131.63	ng	-0.01
23) Nitrobenzene-d5	9.34	82	650042	80.20	ng	-0.01
41) 2,4,6-Tribromophenol	16.28	330	419677	116.83	ng	-0.01
44) 2-Fluorobiphenyl	13.41	172	1339342	86.35	ng	-0.01
78) Terphenyl-d14	20.12	244	2292445	78.70	ng	-0.01
Target Compounds						
32) Benzoic acid	10.28	122	62	7.90	ng	# 1
40) Hexachlorocyclopentadiene	12.85	237	127	10.72	ng	# 29
53) 2,4-Dinitrophenol	14.95	184	186	9.51	ng	# 51
55) 4-Nitrophenol	15.02	139	86	5.61	ng	# 23

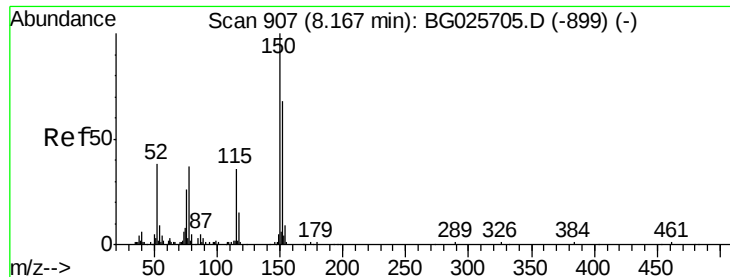
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

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BNA_G

ClientSampleId :

PB96733BL

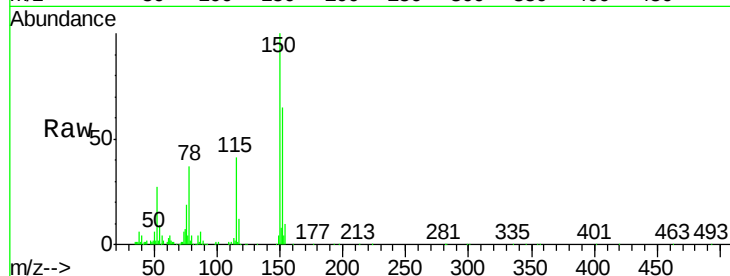
Tgt Ion:152 Resp: 84979

Ion Ratio Lower Upper

152 100

150 153.1 114.0 171.0

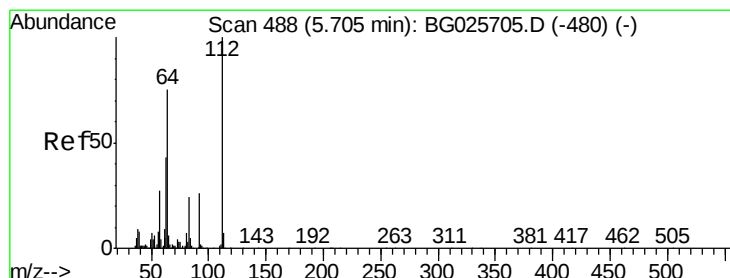
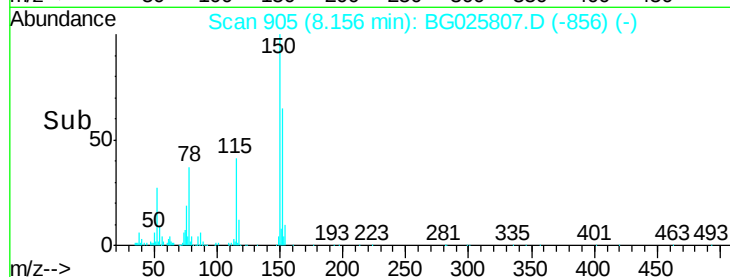
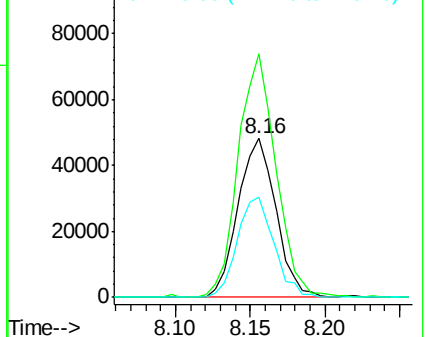
115 63.3 48.1 72.1



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: 142.78 ng

RT: 5.69 min Scan# 486

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

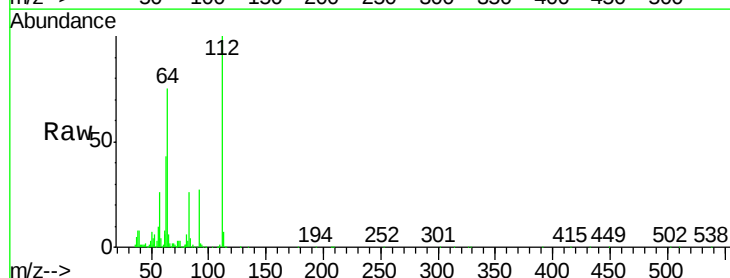
Tgt Ion:112 Resp: 677027

Ion Ratio Lower Upper

112 100

64 75.4 61.8 92.6

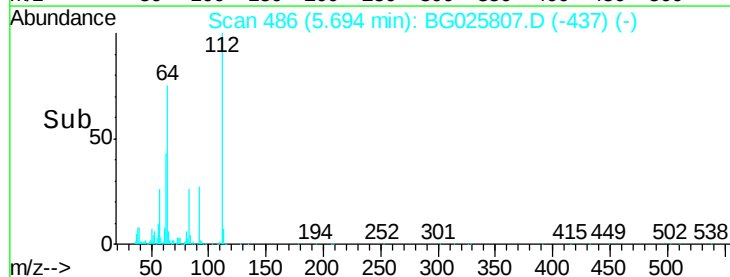
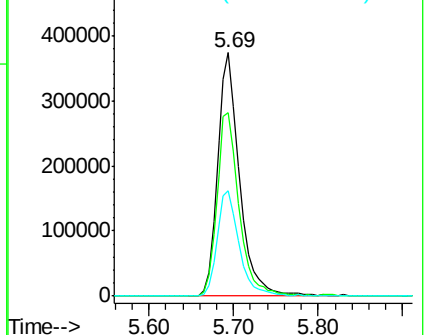
63 43.4 37.2 55.8

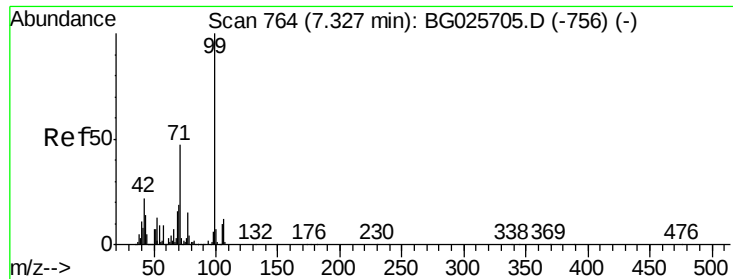


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 131.63 ng

RT: 7.32 min Scan# 762

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

Instrument :

BNA_G

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PB96733BL

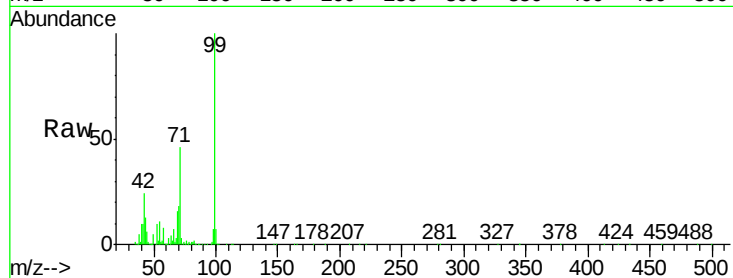
Tgt Ion: 99 Resp: 911587

Ion Ratio Lower Upper

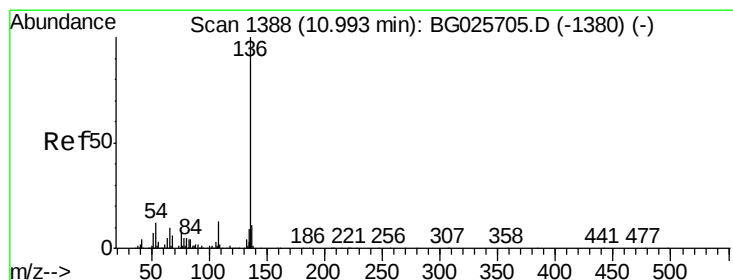
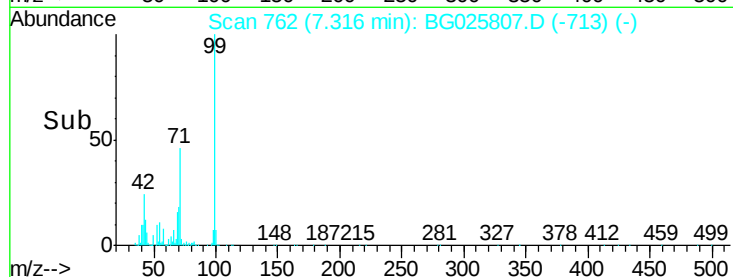
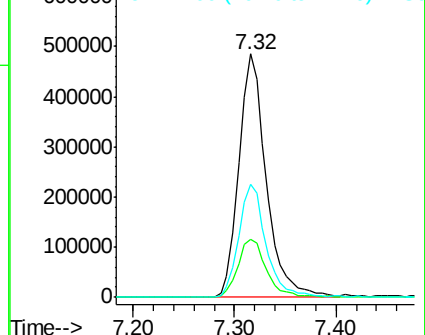
99 100

42 23.8 20.5 30.7

71 46.4 37.6 56.4



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: 10.98 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

Tgt Ion: 136 Resp: 342476

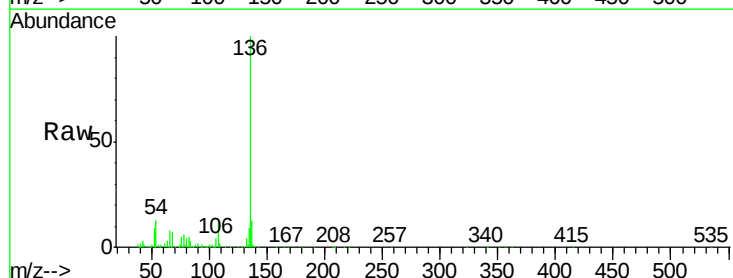
Ion Ratio Lower Upper

136 100

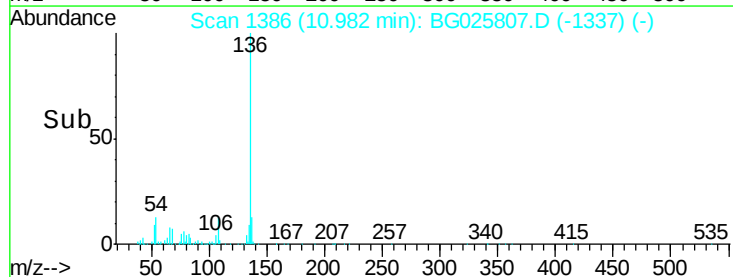
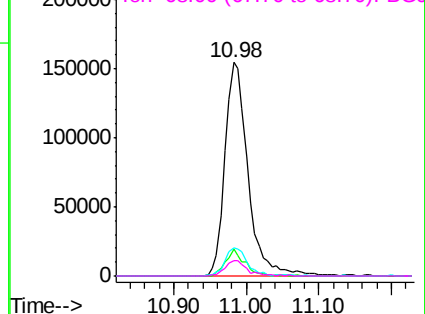
137 12.9 8.9 13.3

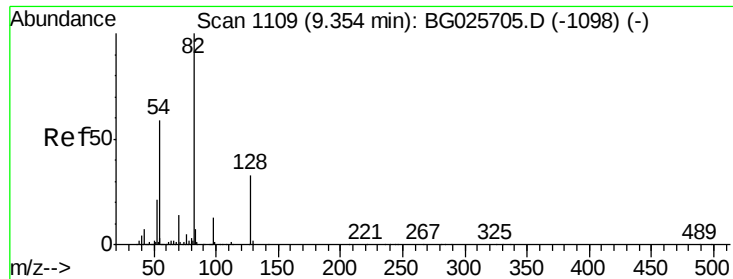
54 13.1 9.3 13.9

68 7.0 5.1 7.7



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

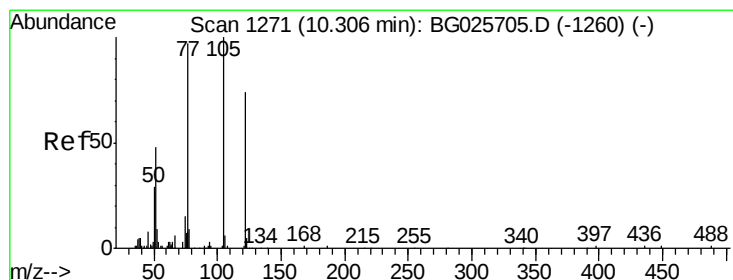
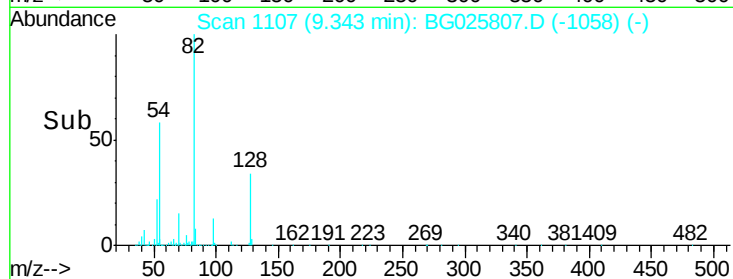
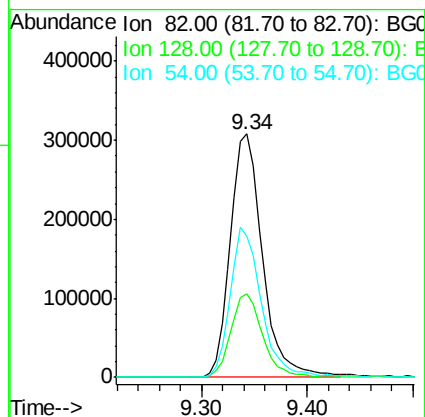
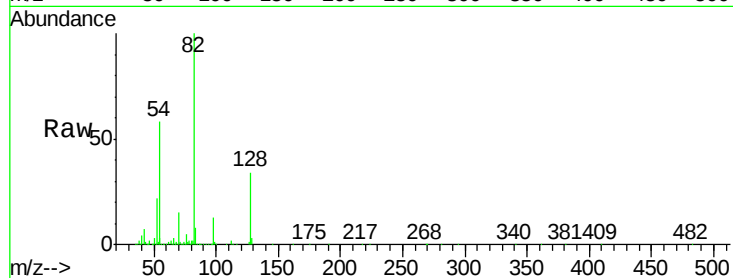




#23
 Nitrobenzene-d5
 Concen: 80.20 ng
 RT: 9.34 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: BG025807.D
 Acq: 6 Feb 2017 18:07

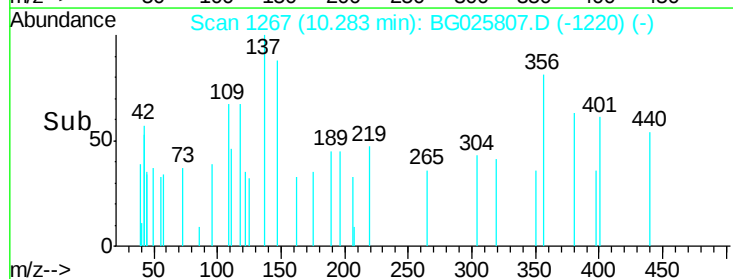
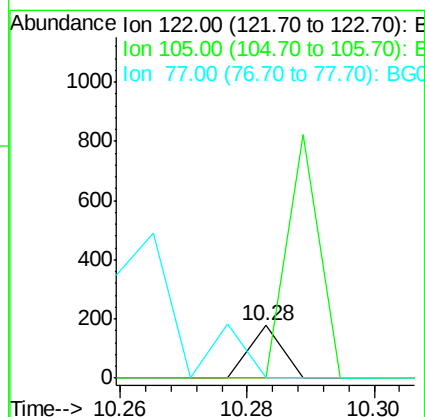
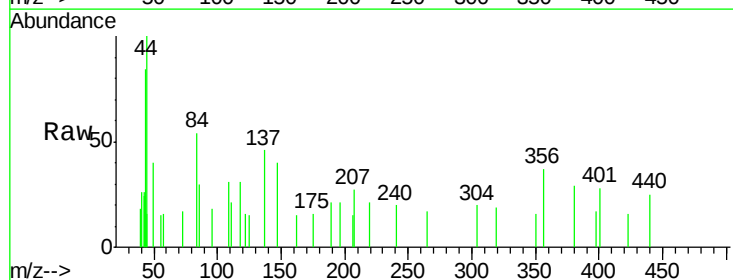
Instrument :
 BNA_G
 ClientSampleId :
 PB96733BL

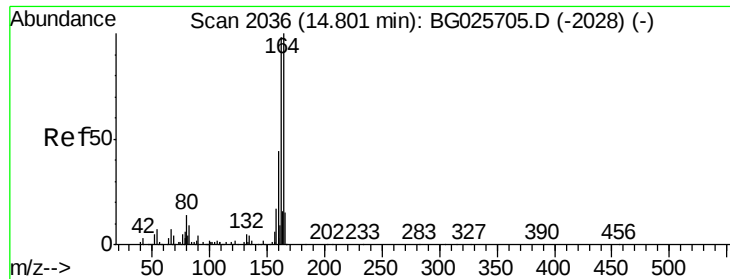
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	26.4	39.6
54	58.2	49.4	74.2



#32
 Benzoic acid
 Concen: 7.90 ng
 RT: 10.28 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BG025807.D
 Acq: 6 Feb 2017 18:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

Instrument :

BNA_G

ClientSampleId :

PB96733BL

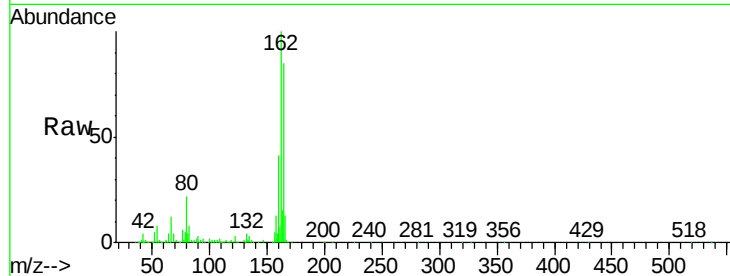
Tgt Ion:164 Resp: 251894

Ion Ratio Lower Upper

164 100

162 117.3 85.1 127.7

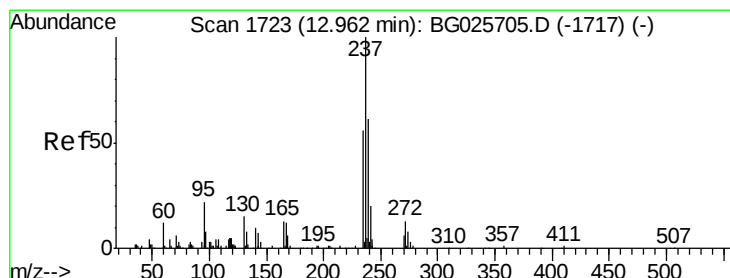
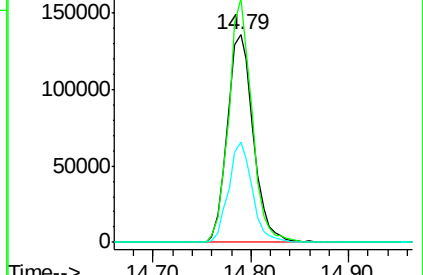
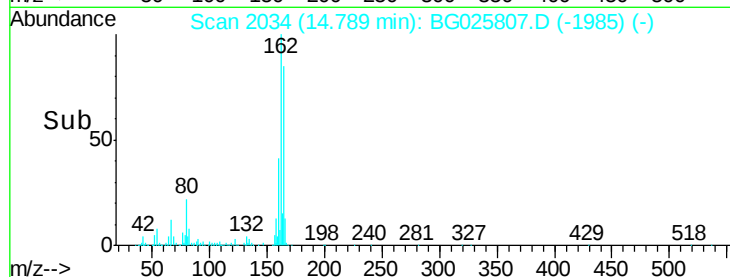
160 48.6 34.7 52.1



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: 10.72 ng

RT: 12.85 min Scan# 1704

Delta R.T. -0.11 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

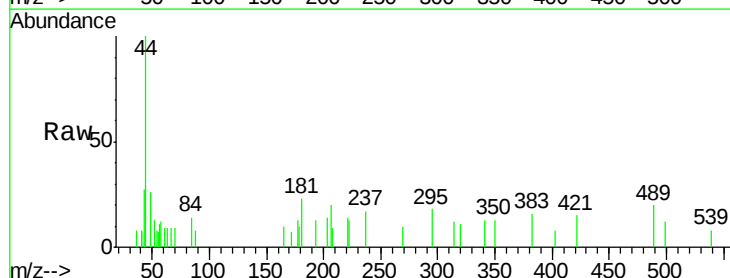
Tgt Ion:237 Resp: 127

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

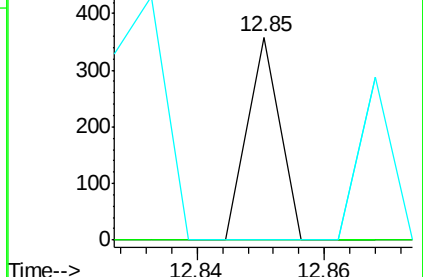
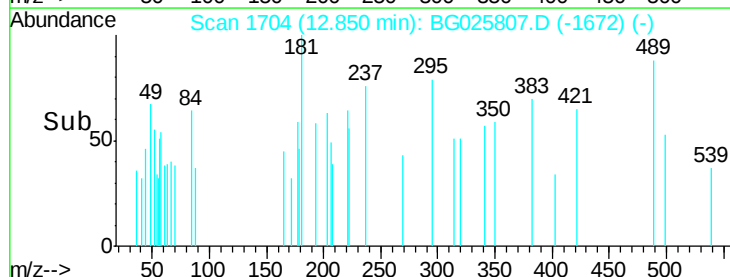
272 0.0 0.0 32.0

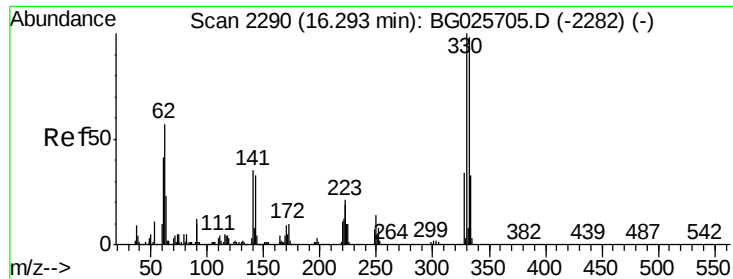


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 116.83 ng

RT: 16.28 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

Instrument :

BNA_G

ClientSampleId :

PB96733BL

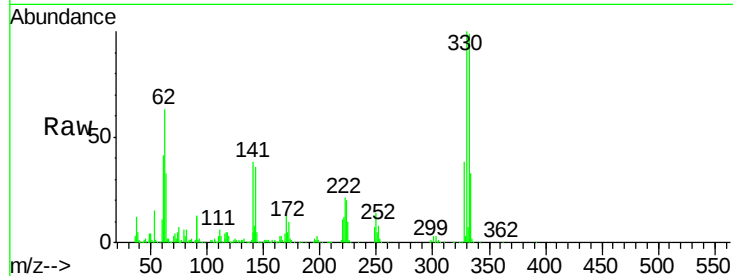
Tgt Ion:330 Resp: 419677

Ion Ratio Lower Upper

330 100

332 98.8 77.3 115.9

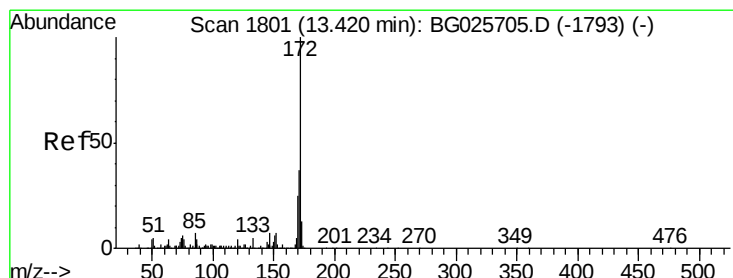
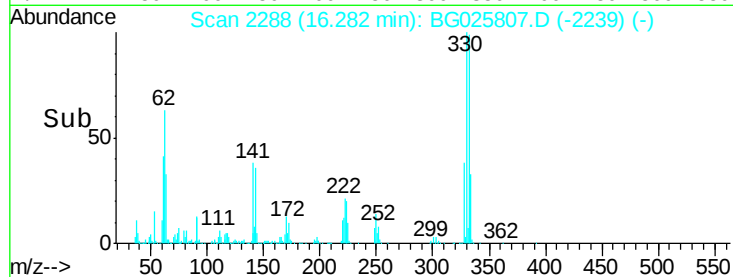
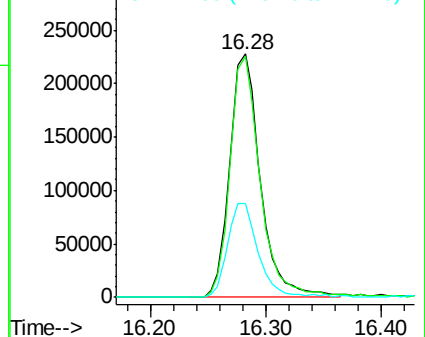
141 38.1 32.1 48.1



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: 86.35 ng

RT: 13.41 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

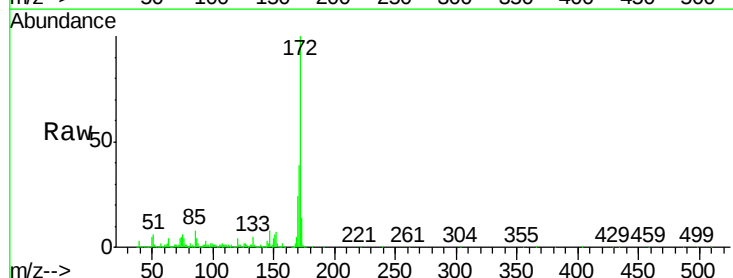
Tgt Ion:172 Resp: 1339342

Ion Ratio Lower Upper

172 100

171 39.5 32.2 48.2

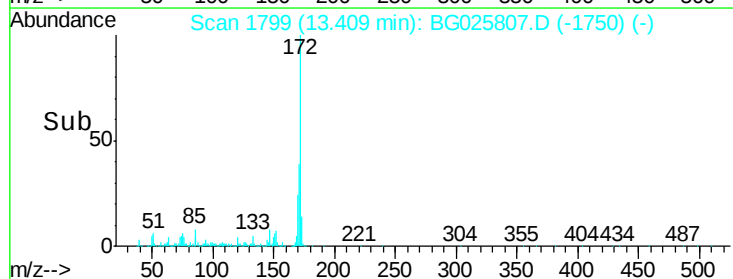
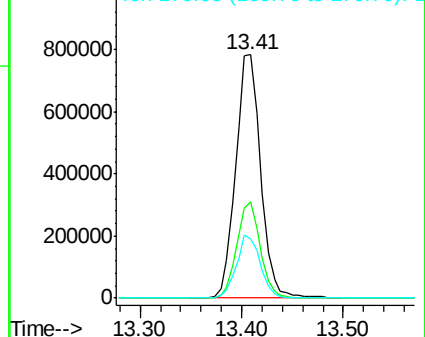
170 24.5 21.8 32.6

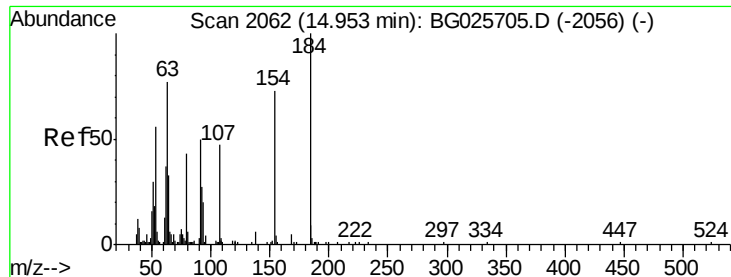


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

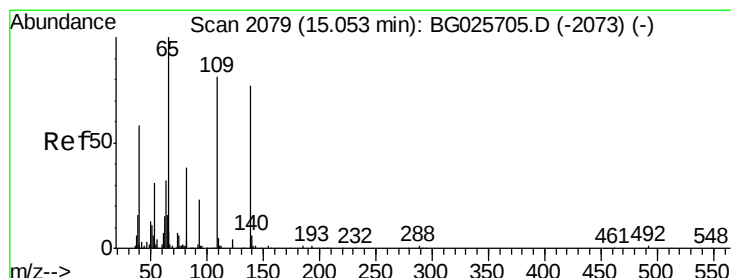
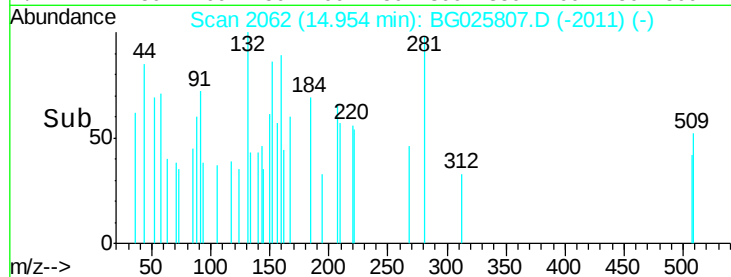
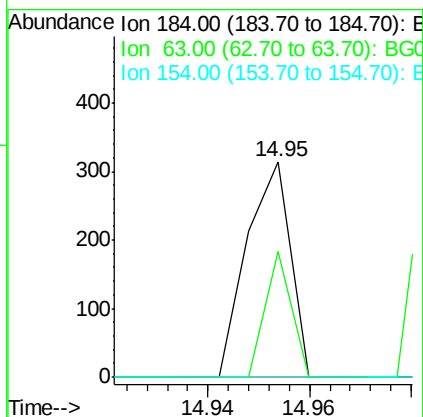
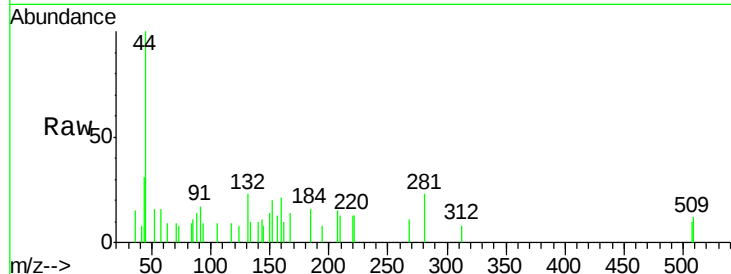




#53
2,4-Dinitrophenol
Concen: 9.51 ng
RT: 14.95 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BG025807.D
Acq: 6 Feb 2017 18:07

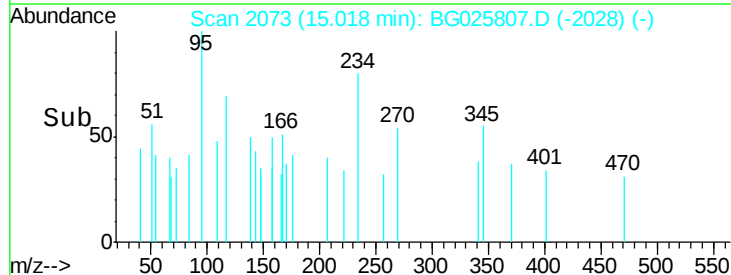
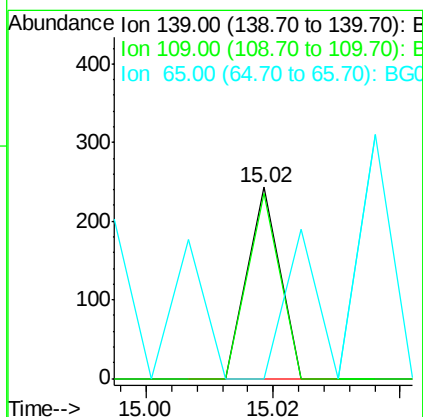
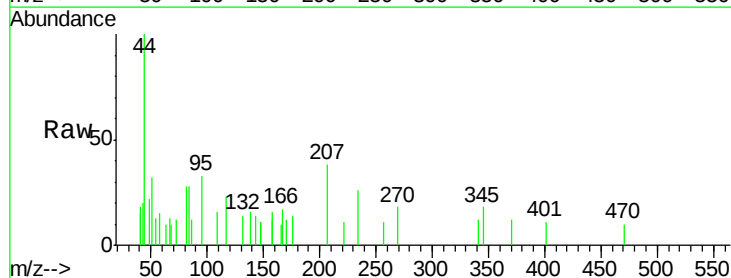
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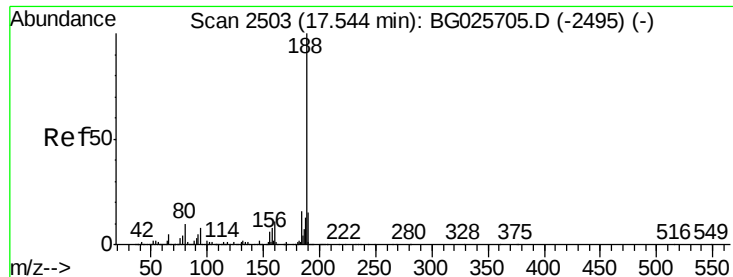
Tgt Ion:184 Resp: 186
Ion Ratio Lower Upper
184 100
63 58.6 52.7 79.1
154 0.0 57.3 85.9#



#55
4-Nitrophenol
Concen: 5.61 ng
RT: 15.02 min Scan# 2073
Delta R.T. -0.03 min
Lab File: BG025807.D
Acq: 6 Feb 2017 18:07

Tgt Ion:139 Resp: 86
Ion Ratio Lower Upper
139 100
109 96.7 101.2 141.2#
65 0.0 135.3 175.3#

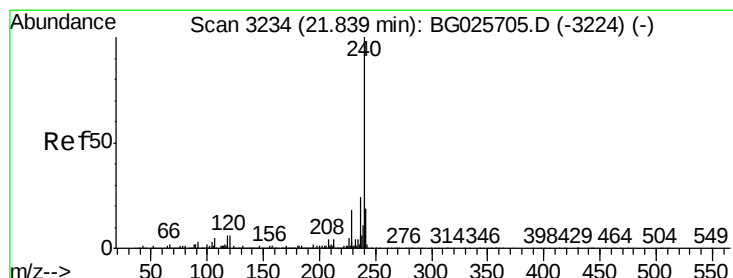
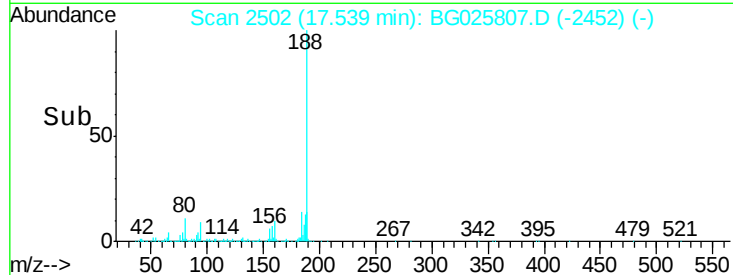
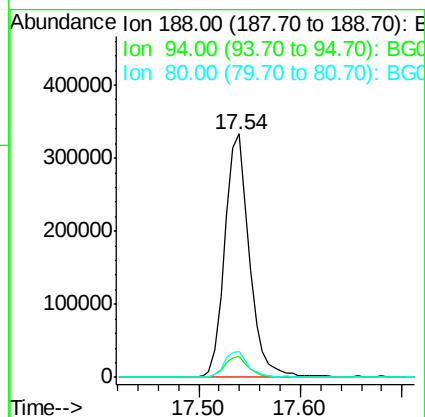
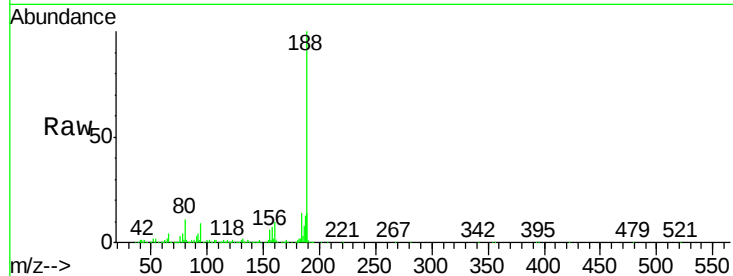




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BG025807.D
Acq: 6 Feb 2017 18:07

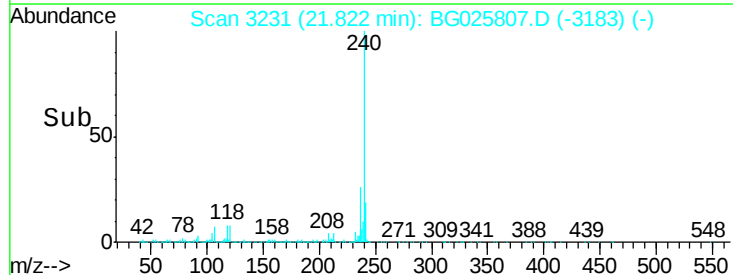
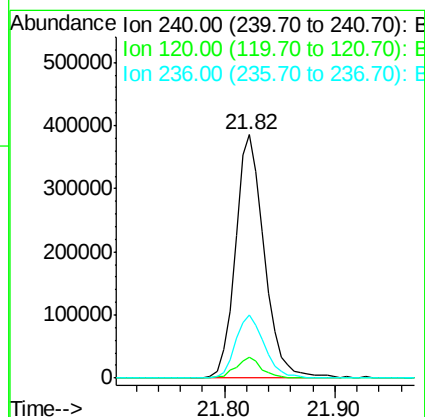
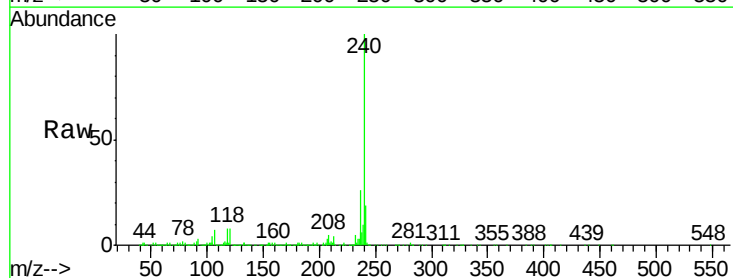
Instrument :
BNA_G
ClientSampleId :
PB96733BL

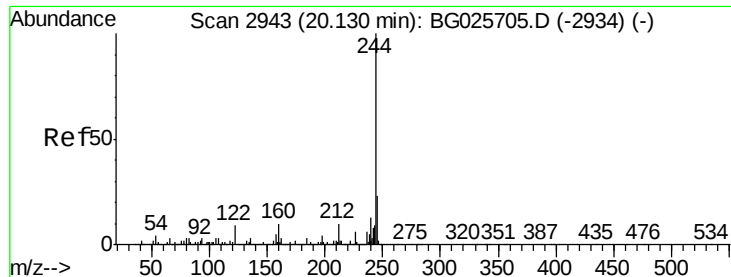
Tgt Ion:188 Resp: 562080
Ion Ratio Lower Upper
188 100
94 8.5 5.8 8.8
80 10.5 7.5 11.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.82 min Scan# 3231
Delta R.T. -0.02 min
Lab File: BG025807.D
Acq: 6 Feb 2017 18:07

Tgt Ion:240 Resp: 703061
Ion Ratio Lower Upper
240 100
120 8.5 5.7 8.5
236 26.1 22.2 33.4





#78

Terphenyl-d14

Concen: 78.70 ng

RT: 20.12 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

Instrument :

BNA_G

ClientSampleId :

PB96733BL

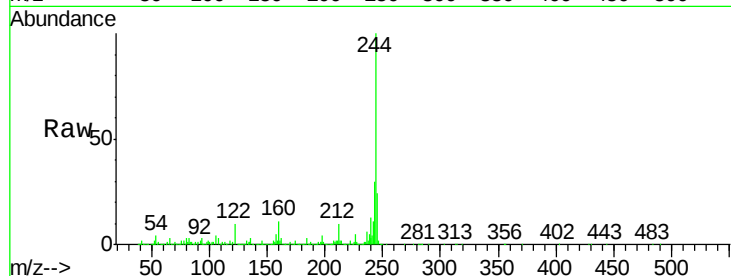
Tgt Ion:244 Resp: 2292445

Ion Ratio Lower Upper

244 100

212 10.4 10.0 15.0

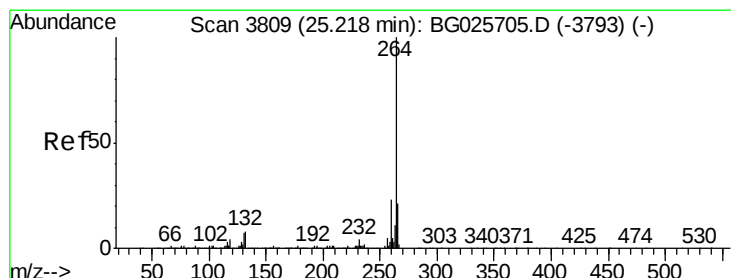
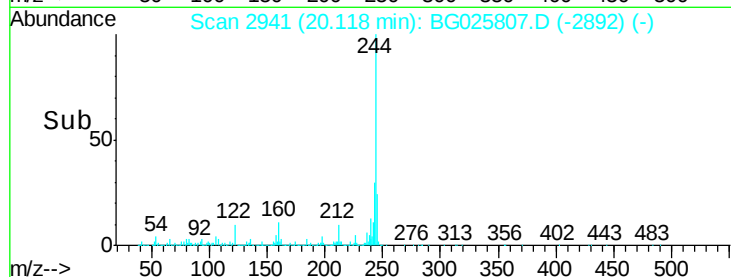
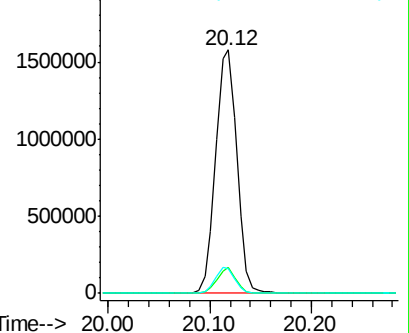
122 10.2 8.6 12.8



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: 25.19 min Scan# 3805

Delta R.T. -0.02 min

Lab File: BG025807.D

Acq: 6 Feb 2017 18:07

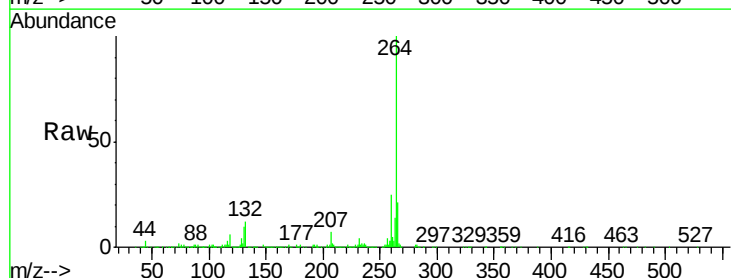
Tgt Ion:264 Resp: 647925

Ion Ratio Lower Upper

264 100

260 25.1 21.8 32.8

265 20.5 18.2 27.4



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

