

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121417\
 Data File : BG031587.D
 Acq On : 15 Dec 2017 9:37
 Operator : SJ/JU
 Sample : I6679-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 15 11:21:16 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

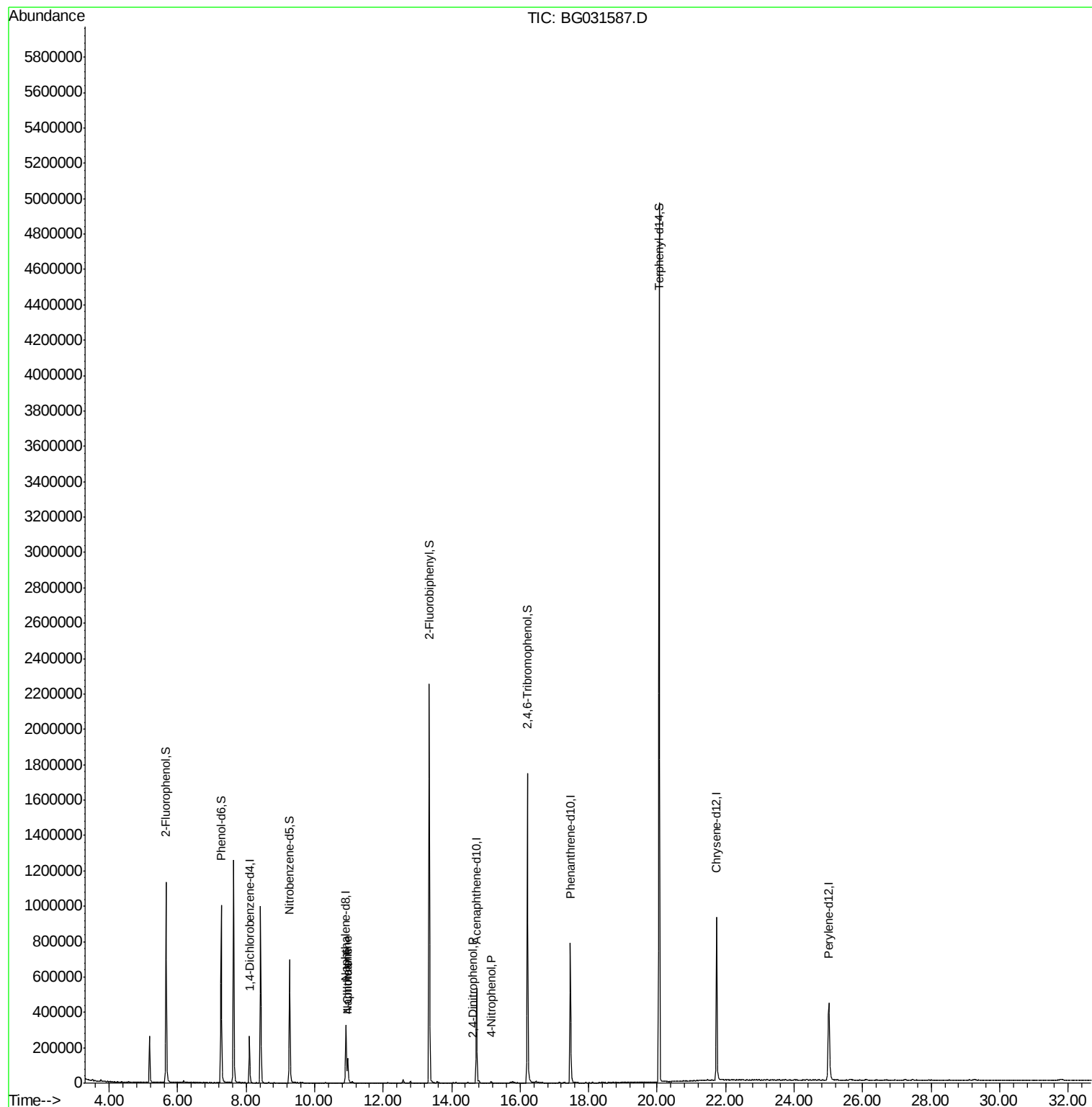
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	82590	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	335525	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	212040	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	547146	20.00	ng	0.00
75) Chrysene-d12	21.73	240	634868	20.00	ng	-0.02
86) Perylene-d12	25.01	264	546377	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	576306	123.68	ng	0.00
7) Phenol-d6	7.27	99	662972	102.49	ng	0.00
23) Nitrobenzene-d5	9.27	82	470018	86.34	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	366796	147.66	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1307771	90.53	ng	0.00
78) Terphenyl-d14	20.06	244	2353549	84.34	ng	0.00
Target Compounds						
31) Naphthalene	10.96	128	133738	8.113	ng	97
33) 4-Chloroaniline	10.96	127	17938	2.506	ng	# 28
53) 2,4-Dinitrophenol	14.62	184	63	9.087	ng	# 1
55) 4-Nitrophenol	15.15	139	2259	4.378	ng	# 1

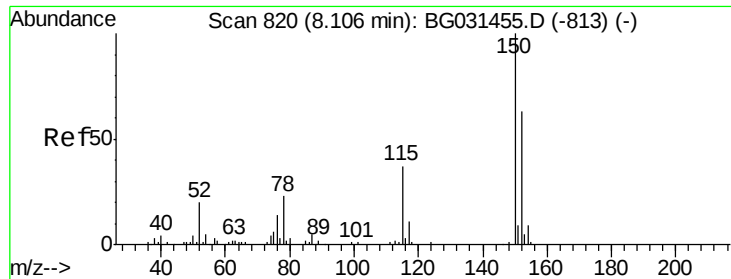
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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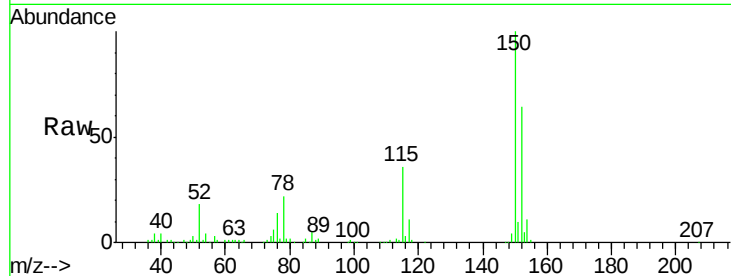


#1

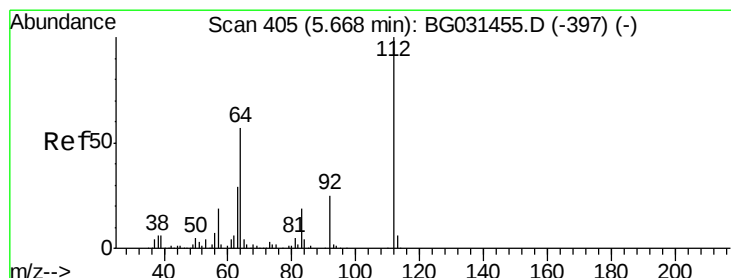
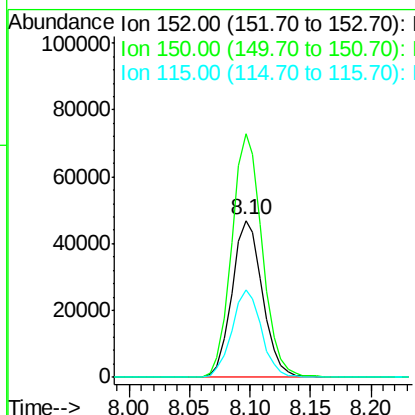
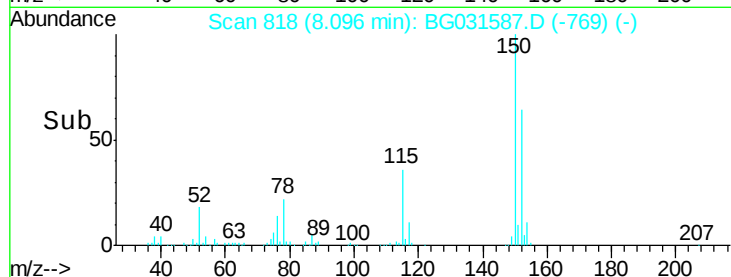
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	82590
Ion Ratio	Lower	Upper	
152	100		
150	155.2	126.6	189.8
115	55.6	53.0	79.4



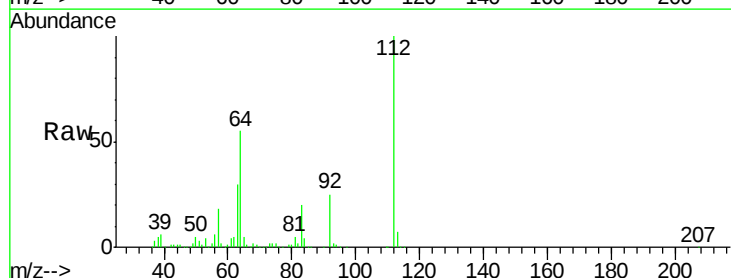
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



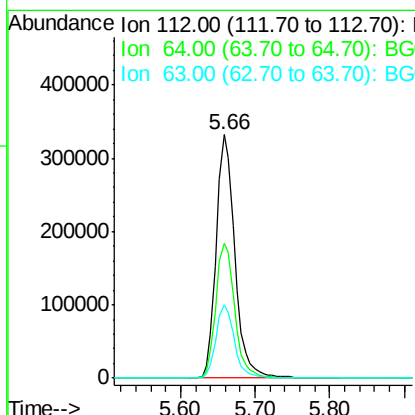
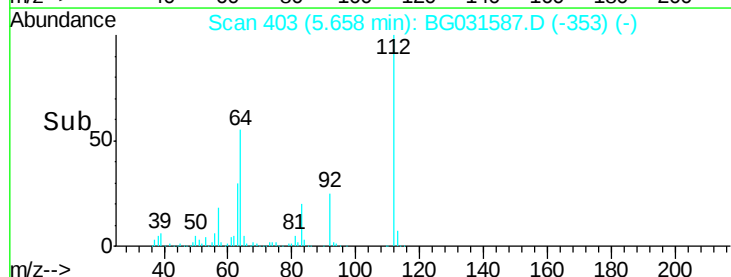
#5

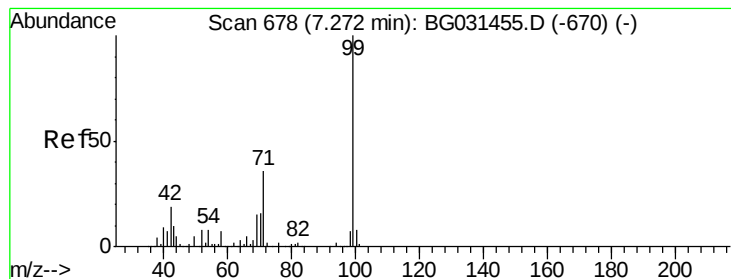
2-Fluorophenol
Concen: 123.685 ng
RT: 5.66 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Tgt Ion	112	Resp	576306
Ion Ratio	Lower	Upper	
112	100		
64	55.5	56.3	84.5#
63	29.9	30.1	45.1#



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: 102.493 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG031587.D

Acq: 15 Dec 2017 9:37

Instrument :

BNA_G

ClientSampled :

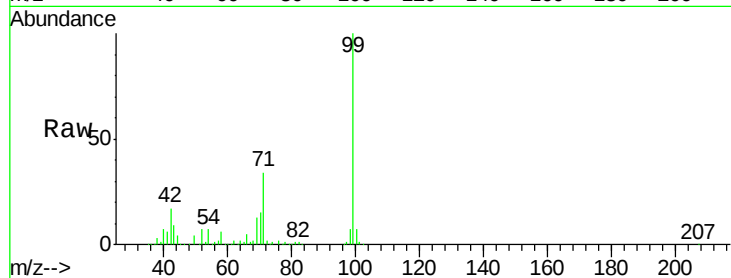
Tot Ion: 99 Resp: 662972

Ion Ratio Lower Upper

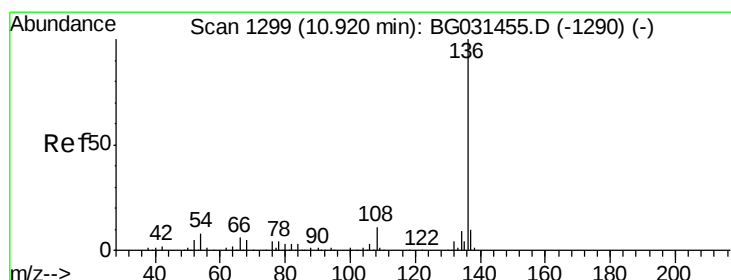
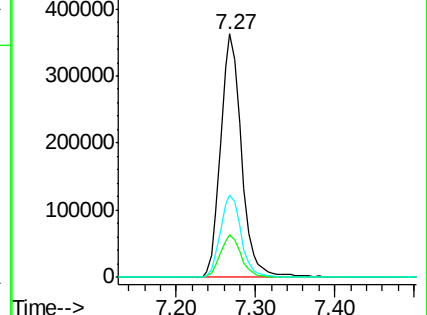
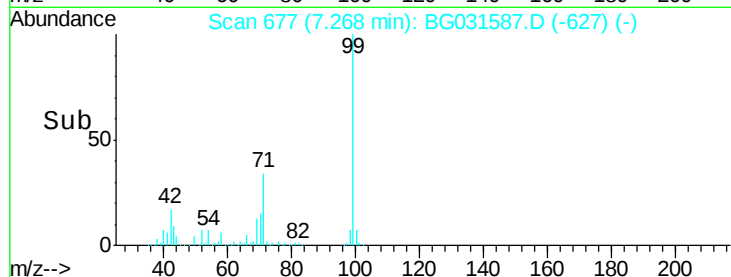
99 100

42 17.3 14.1 21.1

71 33.9 26.1 39.1



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: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BG031587.D

Acq: 15 Dec 2017 9:37

Tgt Ion: 136 Resp: 335525

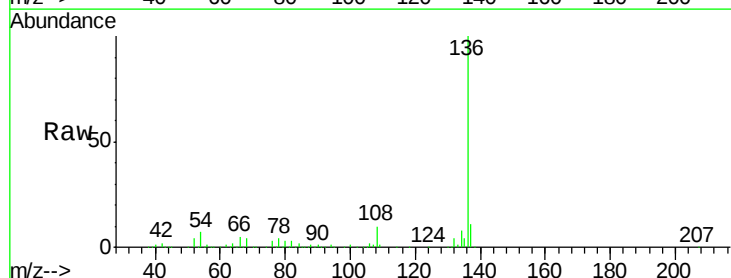
Ion Ratio Lower Upper

136 100

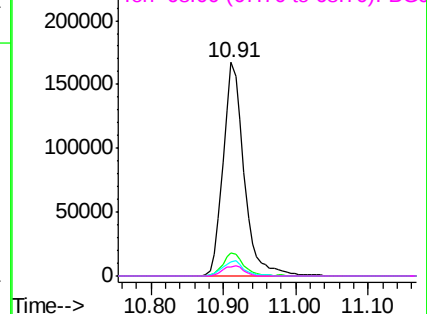
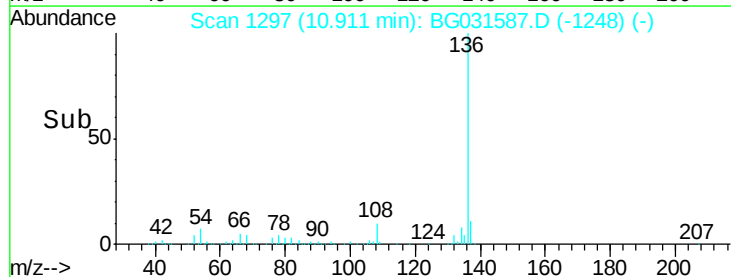
137 11.0 9.2 13.8

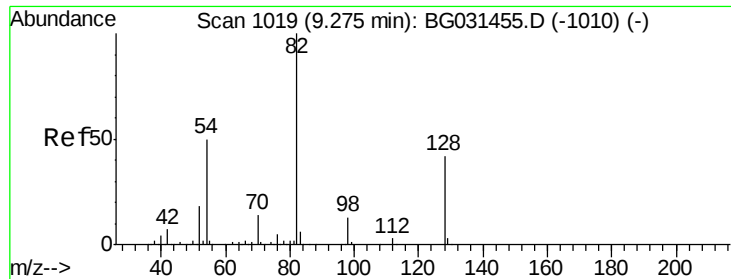
54 6.8 10.3 15.5#

68 4.5 4.5 6.7#



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

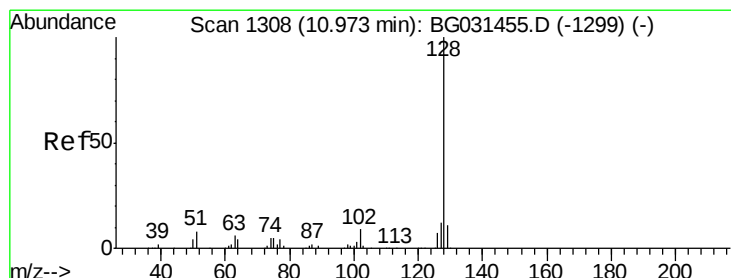
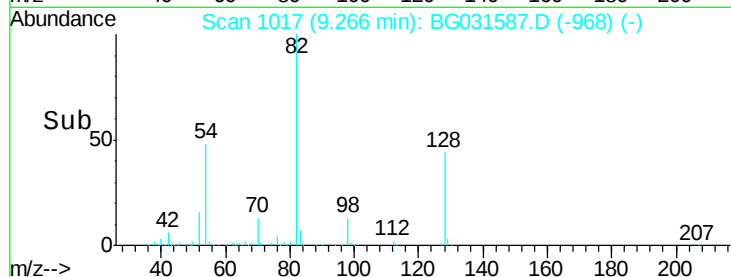
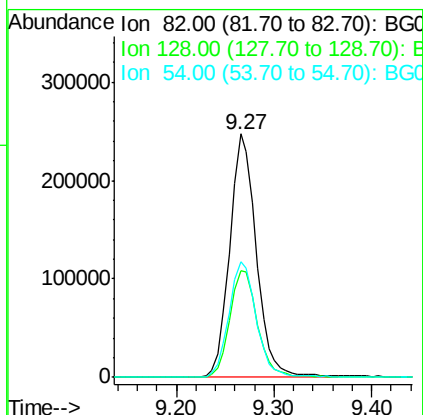
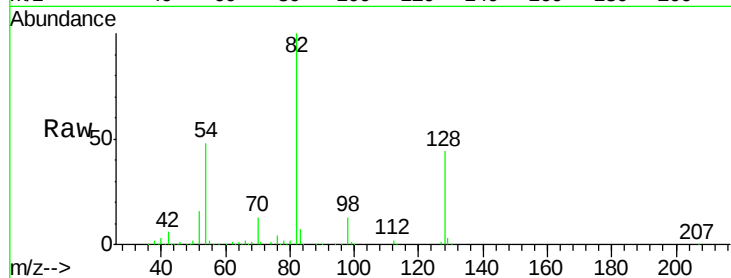




#23
Nitrobenzene-d5
Concen: 86.343 ng
RT: 9.27 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

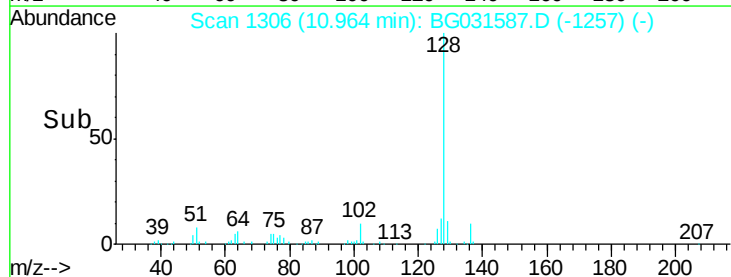
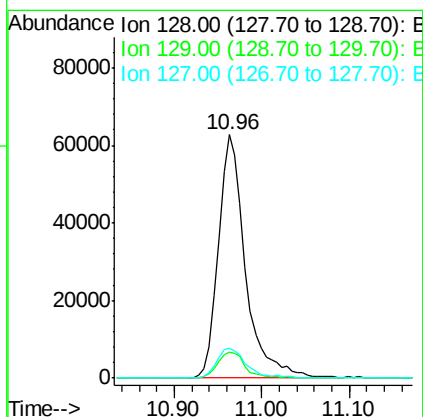
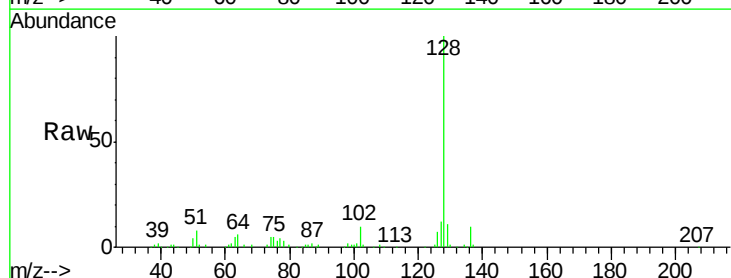
Instrument :
BNA_G
ClientSampleId :

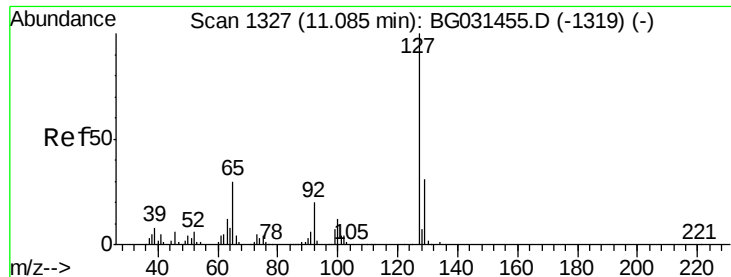
Tot Ion: 82 Resp: 470018
Ion Ratio Lower Upper
82 100
128 43.8 29.7 44.5
54 47.7 43.1 64.7



#31
Naphthalene
Concen: 8.113 ng
RT: 10.96 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Tgt Ion: 128 Resp: 133738
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.2 11.6 17.4

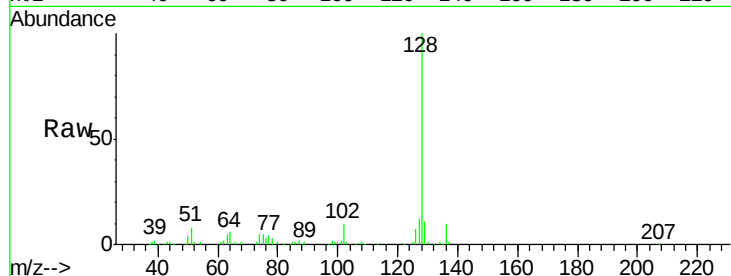




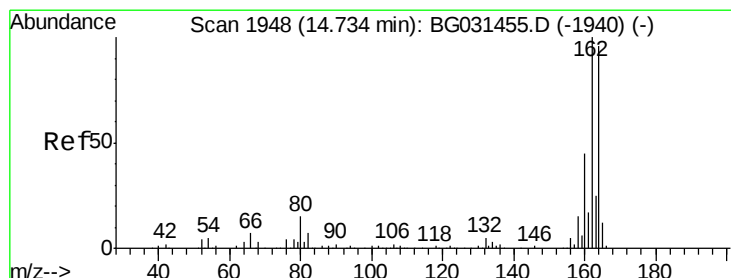
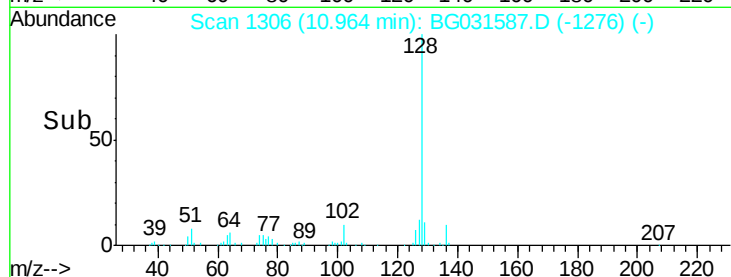
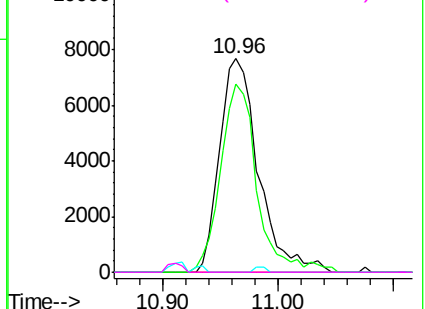
#33
4-Chloroaniline
Concen: 2.506 ng
RT: 10.96 min Scan# 1306
Delta R.T. -0.12 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	17938
Ion	Ratio	Lower	Upper
127	100		
129	87.9	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

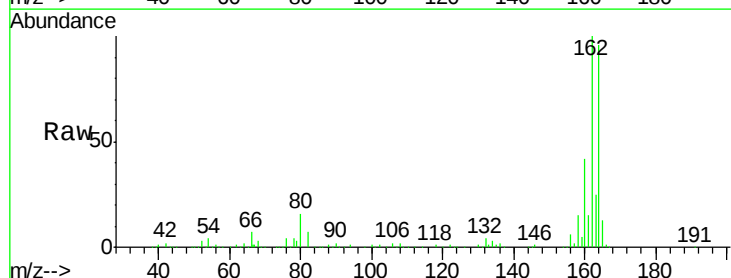


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

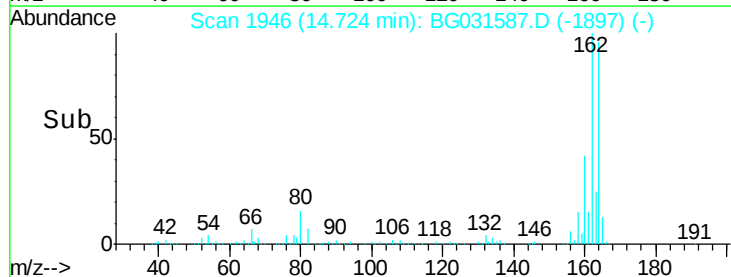
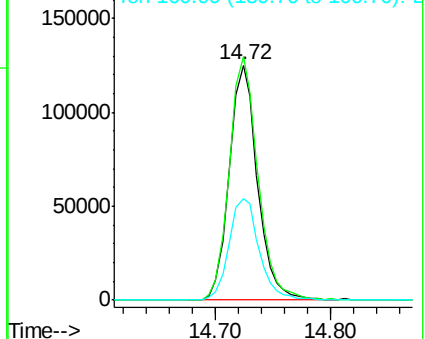


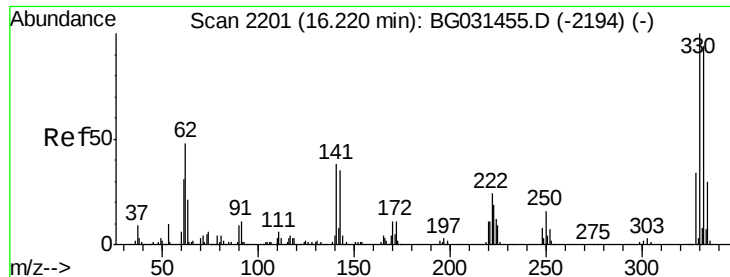
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Tgt Ion:	164	Resp:	212040
Ion	Ratio	Lower	Upper
164	100		
162	103.7	78.8	118.2
160	43.4	35.4	53.0



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

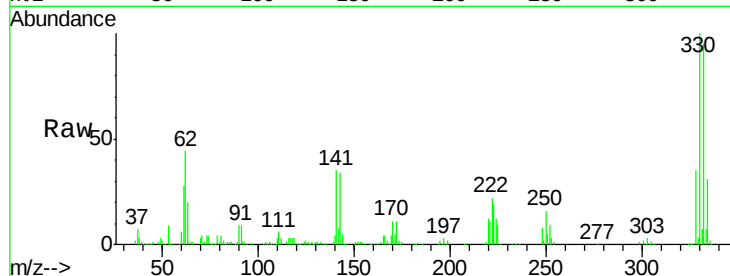




#41
 2,4,6-Tribromophenol
 Concen: 147.655 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BG031587.D
 Acq: 15 Dec 2017 9:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	34.9	25.2	37.8

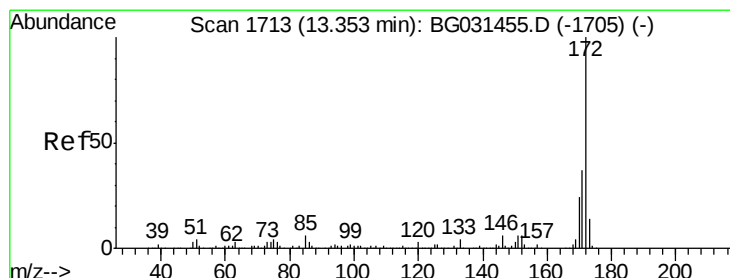
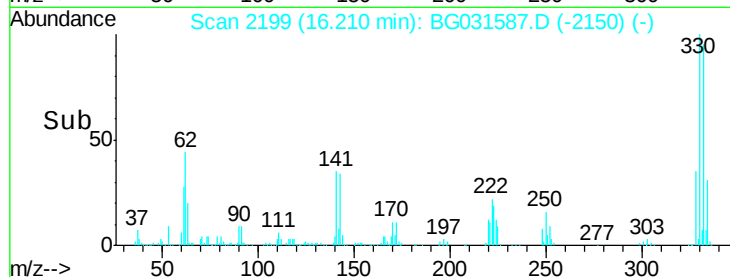
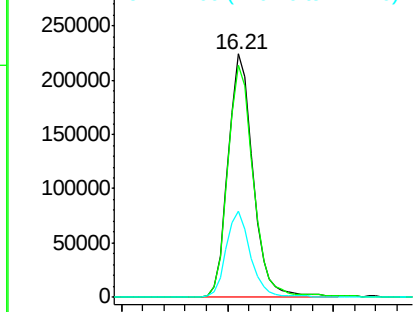


Abundance

Ion 329.80 (329.50 to 330.50): E

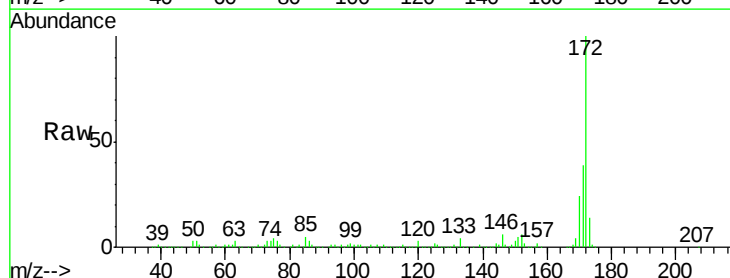
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.532 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG031587.D
 Acq: 15 Dec 2017 9:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	23.8	19.5	29.3

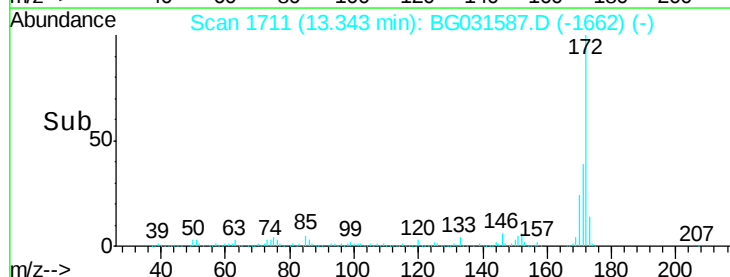
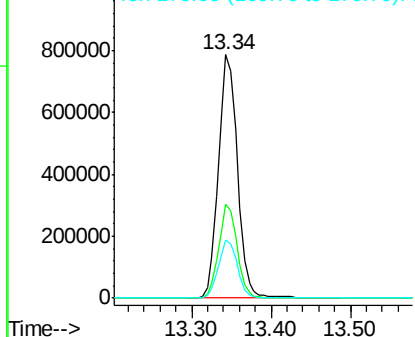


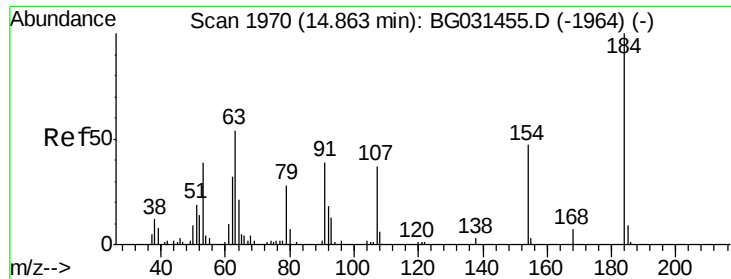
Abundance

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: 9.087 ng

RT: 14.62 min Scan# 1929

Delta R.T. -0.24 min

Lab File: BG031587.D

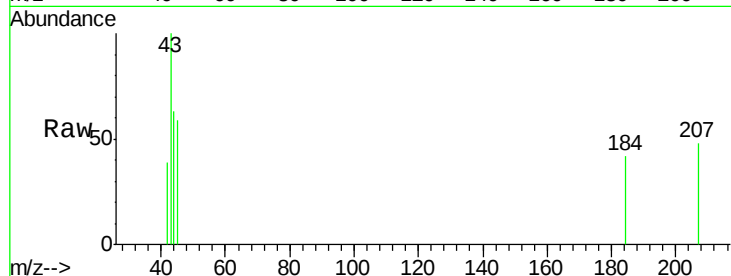
Acq: 15 Dec 2017 9:37

Instrument :

BNA_G

ClientSampleId :

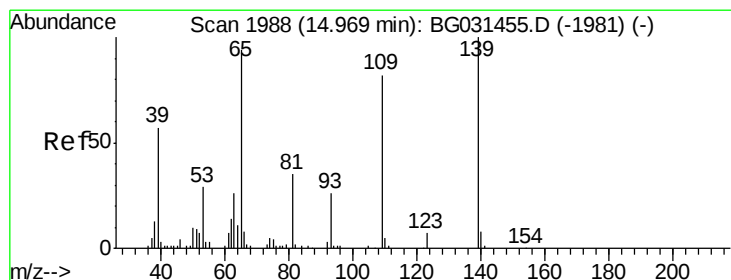
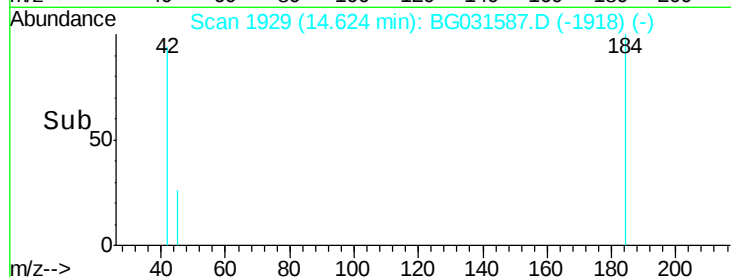
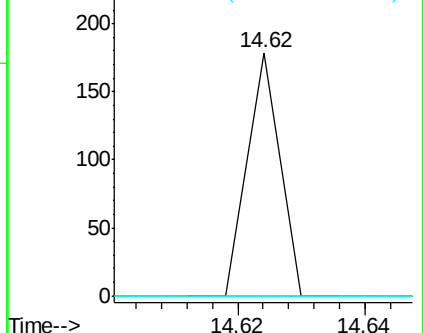
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 4.378 ng

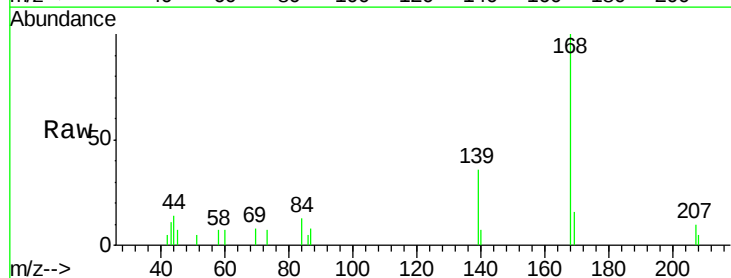
RT: 15.15 min Scan# 2019

Delta R.T. 0.18 min

Lab File: BG031587.D

Acq: 15 Dec 2017 9:37

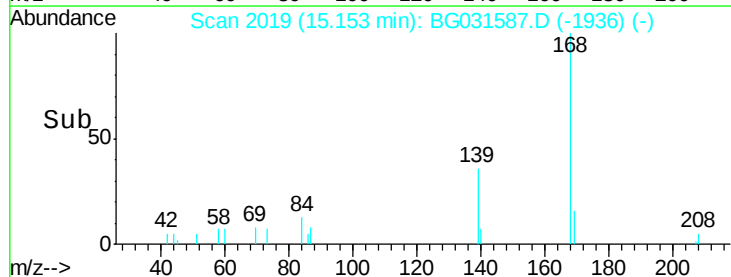
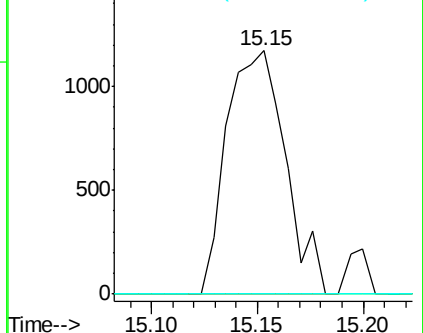
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

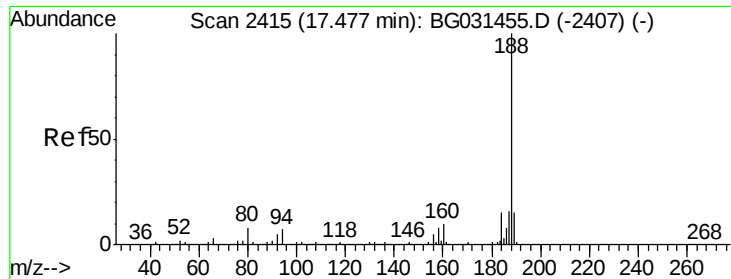


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

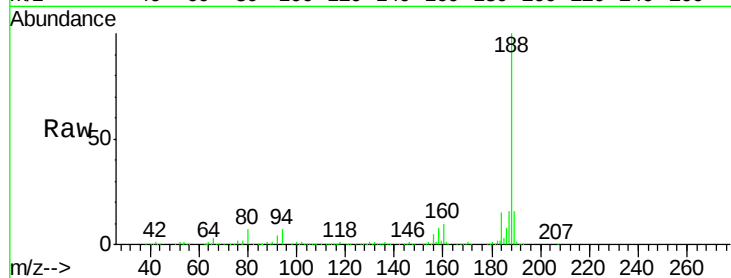




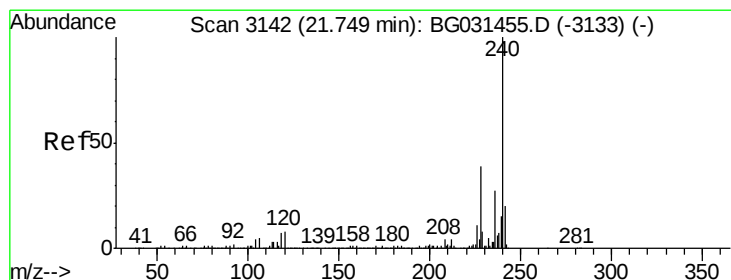
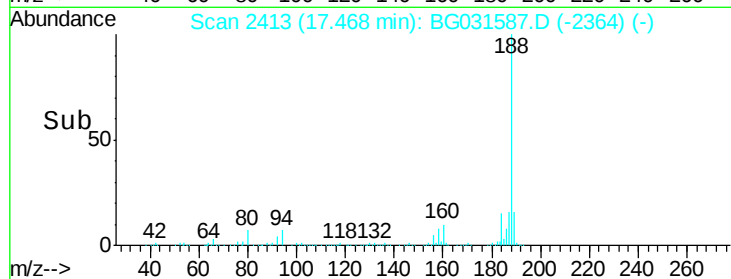
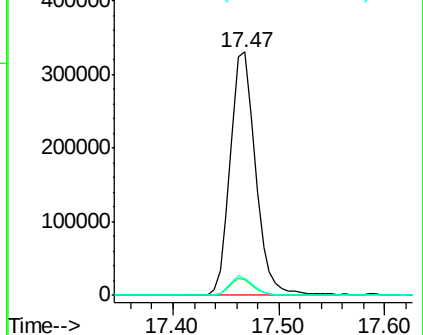
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 547146
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 7.2 7.7 11.5#

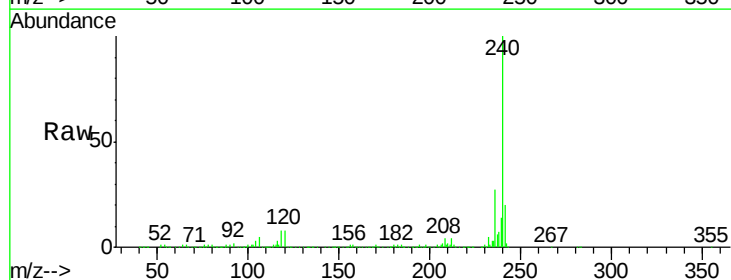


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

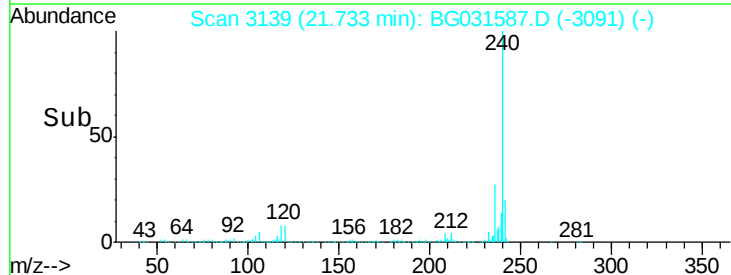
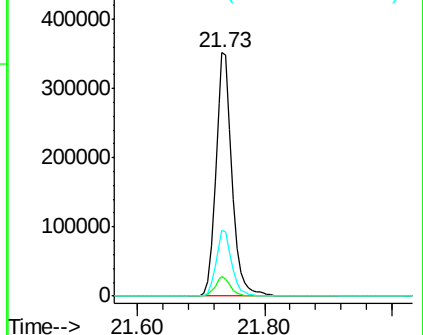


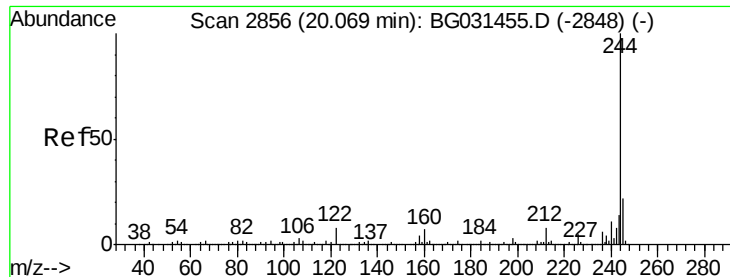
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.02 min
Lab File: BG031587.D
Acq: 15 Dec 2017 9:37

Tgt Ion:240 Resp: 634868
Ion Ratio Lower Upper
240 100
120 7.9 6.8 10.2
236 27.0 20.9 31.3



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: 84.344 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031587.D

Acq: 15 Dec 2017 9:37

Instrument :

BNA_G

ClientSampleId :

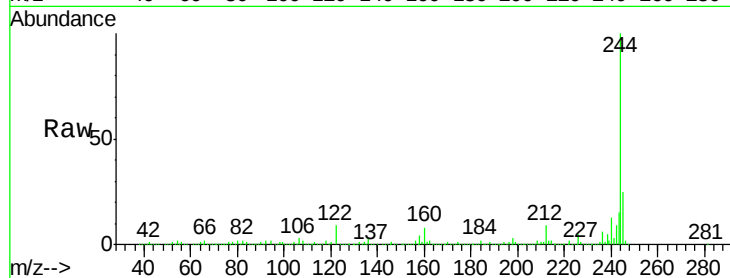
Tot Ion:244 Resp: 2353549

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

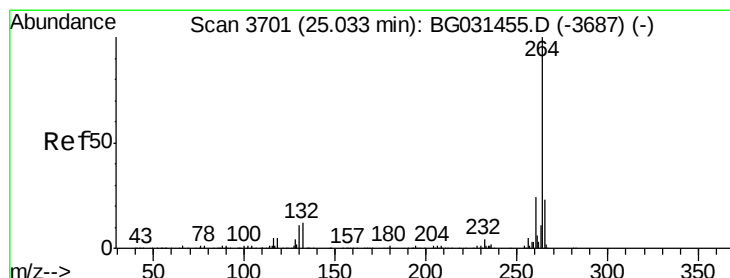
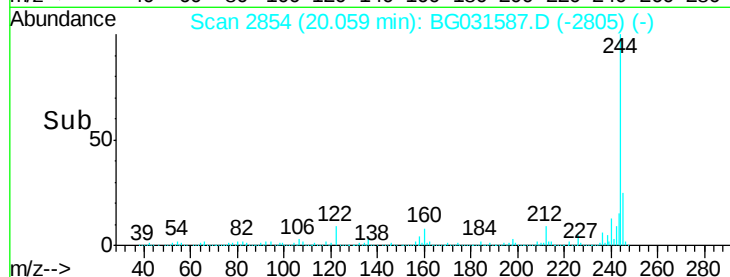
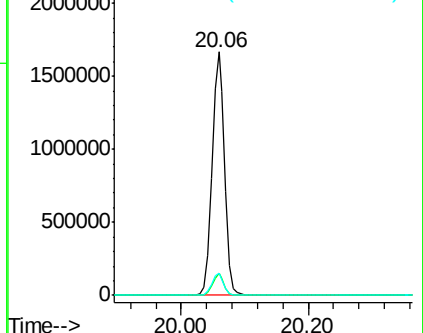
122 9.1 7.0 10.4



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: 20.000 ng

RT: 25.01 min Scan# 3697

Delta R.T. -0.02 min

Lab File: BG031587.D

Acq: 15 Dec 2017 9:37

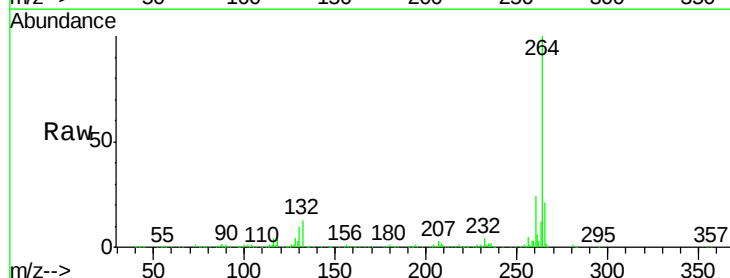
Tgt Ion:264 Resp: 546377

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 21.5 17.7 26.5



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

