

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121817\
 Data File : BG031635.D
 Acq On : 18 Dec 2017 15:18
 Operator : SJ/JU
 Sample : I6909-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 121217-TIDO-E-D-B

Quant Time: Dec 19 07:32:01 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

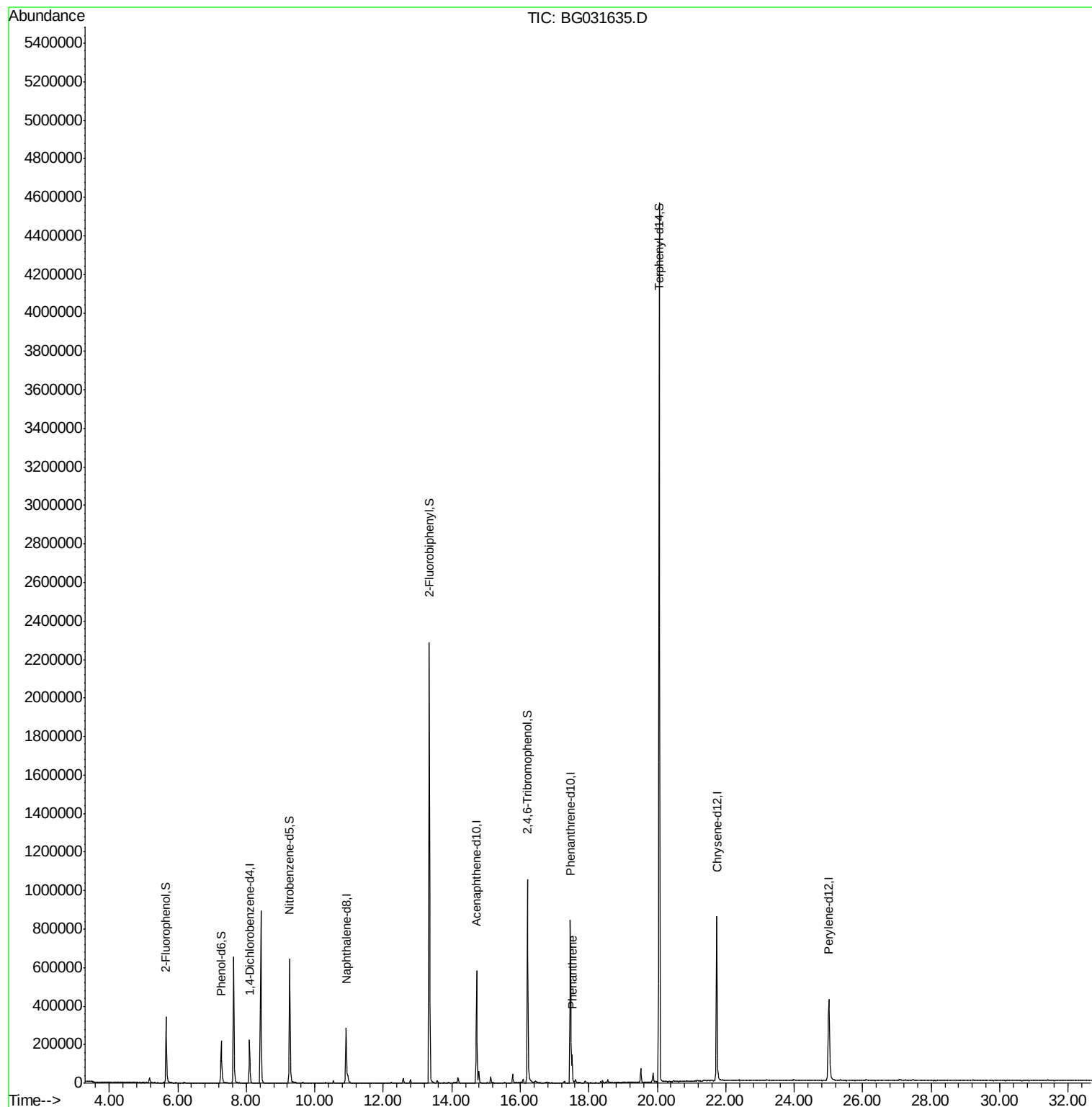
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	71697	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	316887	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	215595	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	560765	20.00	ng	-0.01
75) Chrysene-d12	21.74	240	605110	20.00	ng	-0.01
86) Perylene-d12	25.01	264	517040	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	193364	47.80	ng	-0.01
7) Phenol-d6	7.27	99	162663	28.97	ng	0.00
23) Nitrobenzene-d5	9.27	82	436985	85.00	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	240000	95.02	ng	-0.01
44) 2-Fluorobiphenyl	13.35	172	1349148	91.86	ng	0.00
78) Terphenyl-d14	20.06	244	2253426	84.73	ng	-0.01
Target Compounds						
70) Phenanthrene	17.51	178	103652	3.539	ng	Qvalue 99

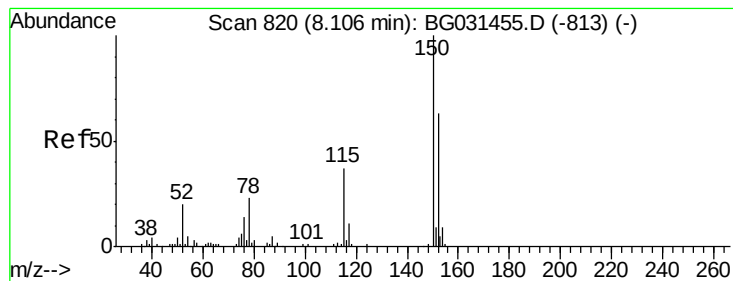
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



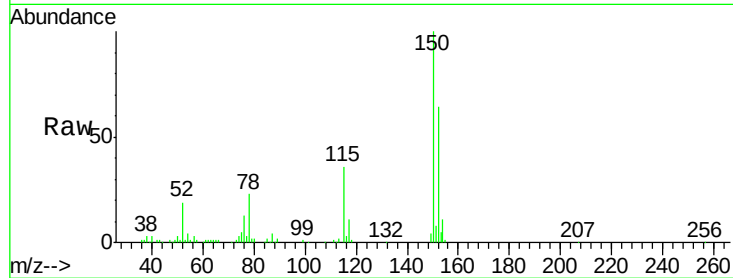


#1

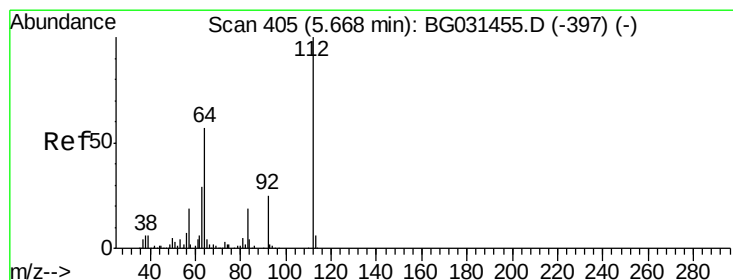
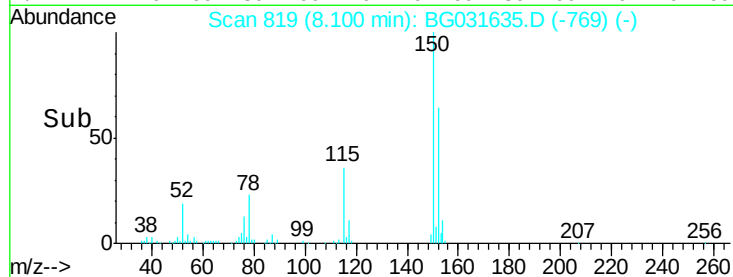
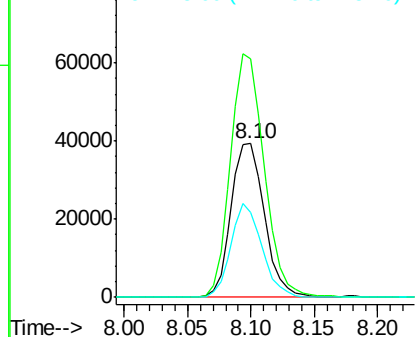
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG031635.D
Acq: 18 Dec 2017 15:18

Instrument :
BNA_G
ClientSampleId :
121217-TIDO-E-D-B

Tgt Ion:152 Resp: 71697
Ion Ratio Lower Upper
152 100
150 155.1 126.6 189.8
115 55.4 53.0 79.4



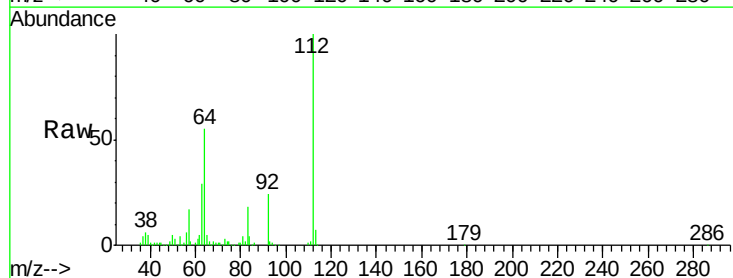
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



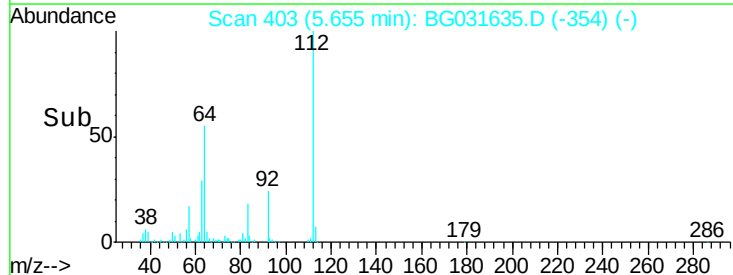
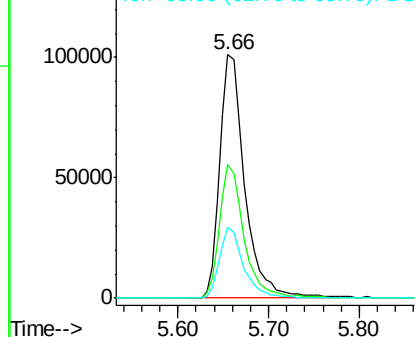
#5

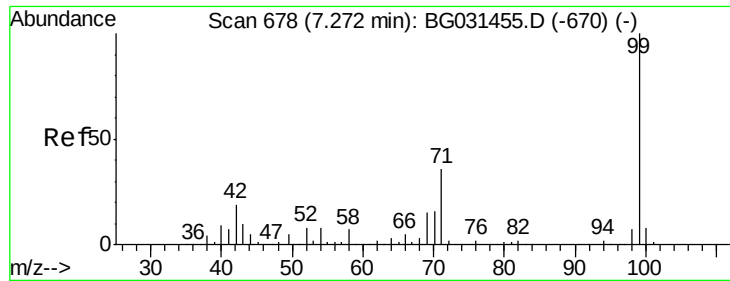
2-Fluorophenol
Concen: 47.804 ng
RT: 5.66 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031635.D
Acq: 18 Dec 2017 15:18

Tgt Ion:112 Resp: 193364
Ion Ratio Lower Upper
112 100
64 54.9 56.3 84.5#
63 28.9 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: 28.968 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031635.D

Acq: 18 Dec 2017 15:18

Instrument :

BNA_G

ClientSampleId :

121217-TIDO-E-D-B

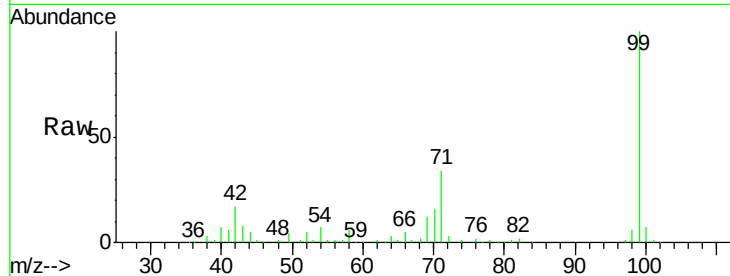
Tgt Ion: 99 Resp: 162663

Ion Ratio Lower Upper

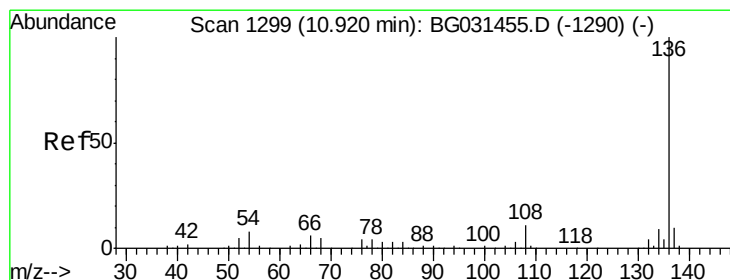
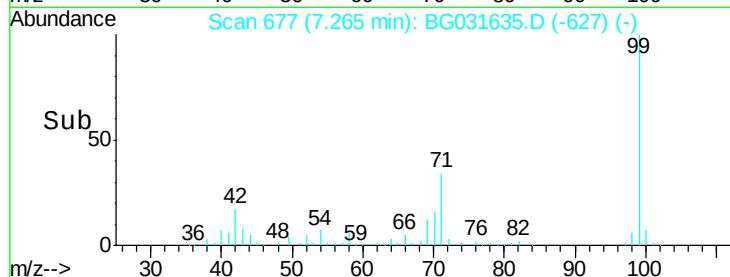
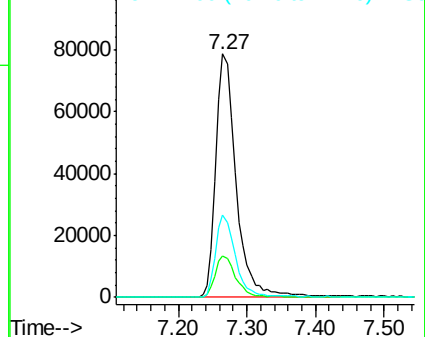
99 100

42 16.9 14.1 21.1

71 33.7 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# 1298

Delta R.T. -0.01 min

Lab File: BG031635.D

Acq: 18 Dec 2017 15:18

Tgt Ion: 136 Resp: 316887

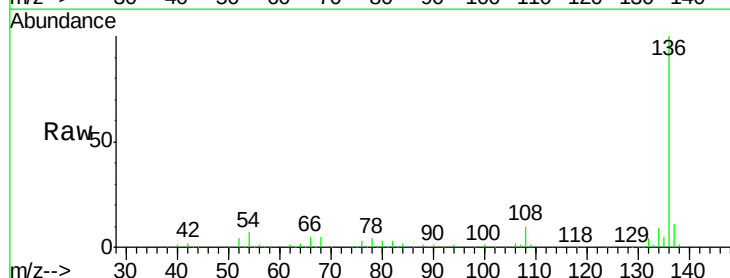
Ion Ratio Lower Upper

136 100

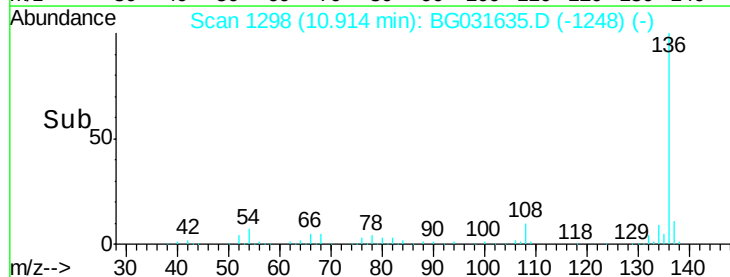
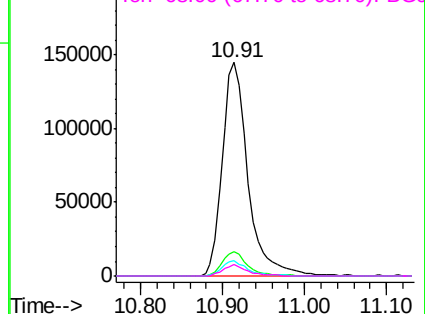
137 11.3 9.2 13.8

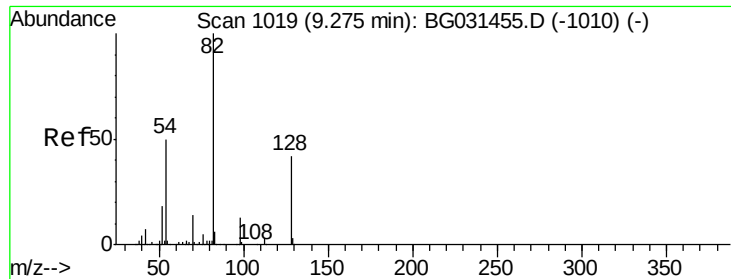
54 7.1 10.3 15.5#

68 5.3 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

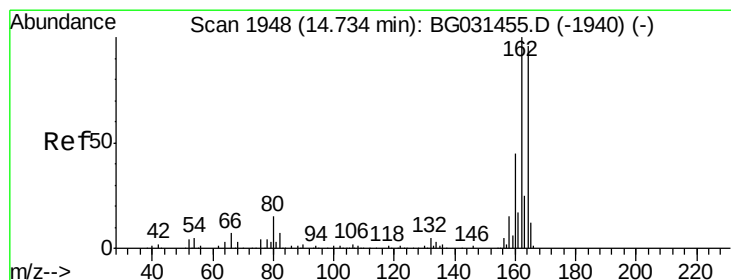
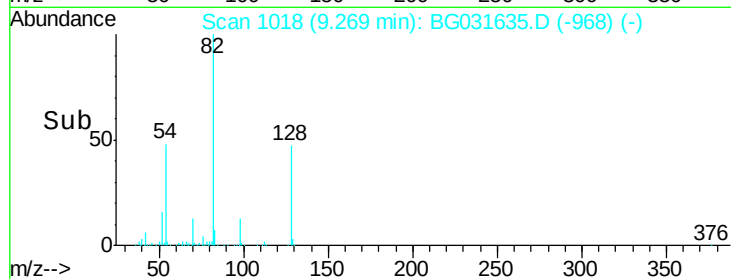
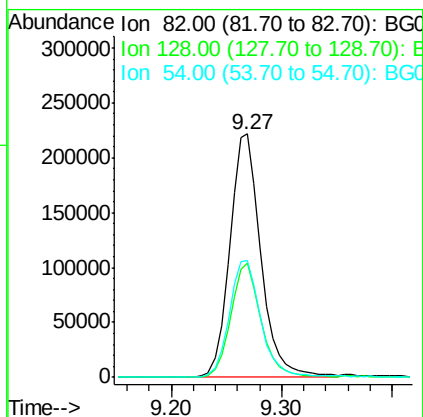
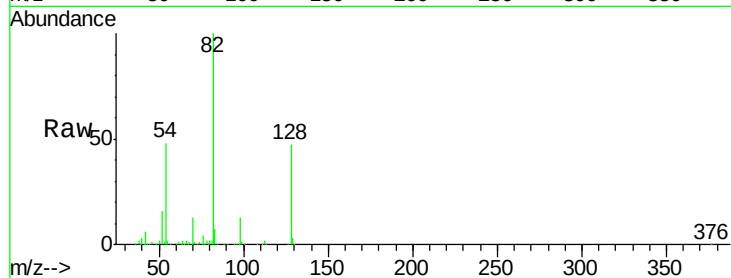




#23
 Nitrobenzene-d5
 Concen: 84.997 ng
 RT: 9.27 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BG031635.D
 Acq: 18 Dec 2017 15:18

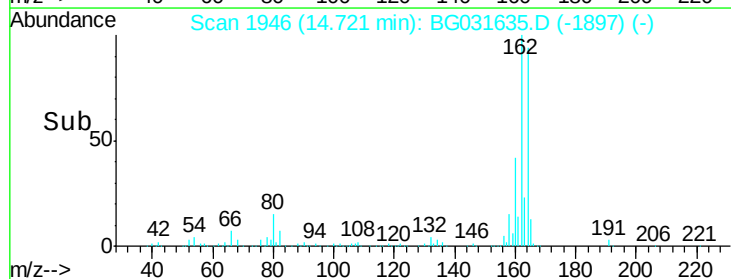
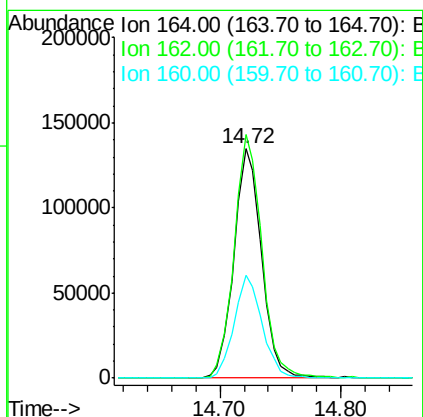
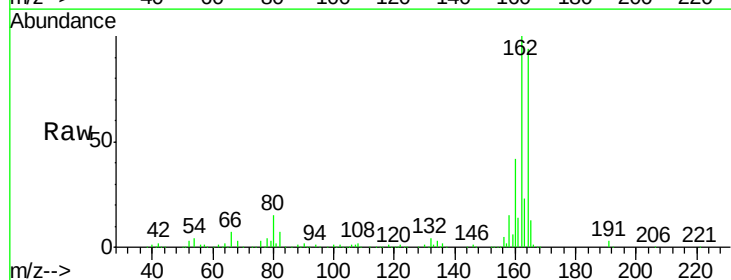
Instrument :
 BNA_G
 ClientSampleId :
 121217-TIDO-E-D-B

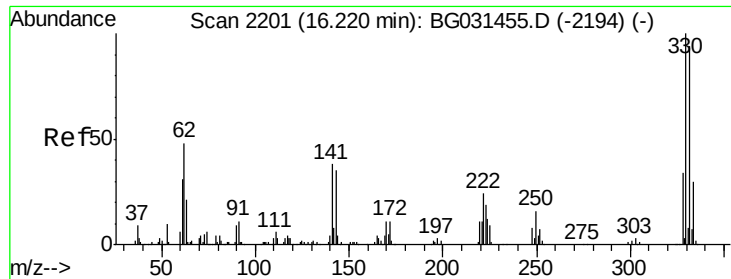
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.9	29.7	44.5#
54	48.2	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BG031635.D
 Acq: 18 Dec 2017 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	78.8	118.2
160	44.7	35.4	53.0

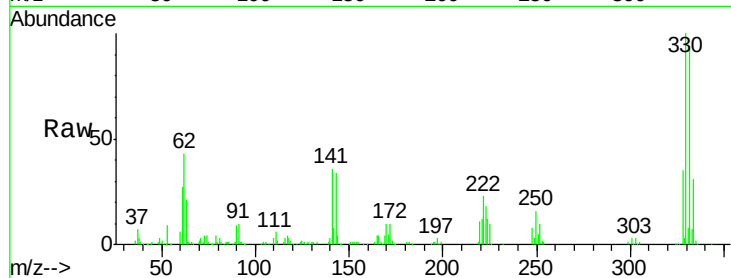




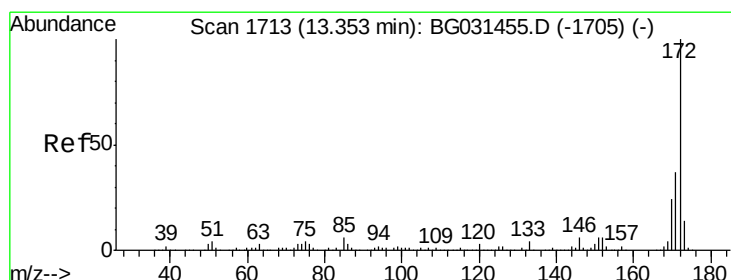
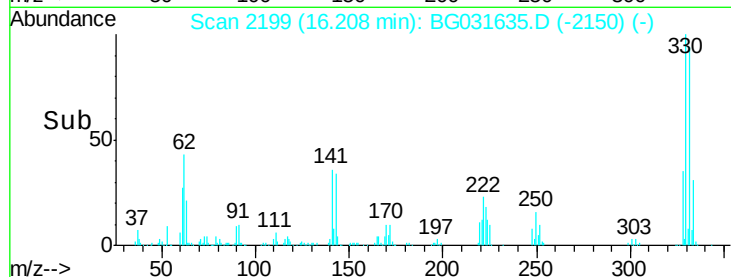
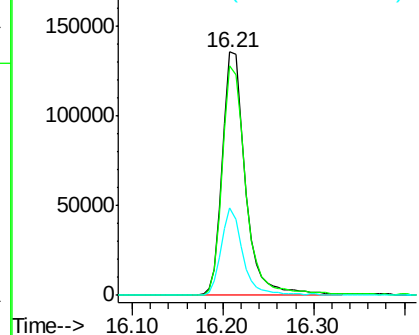
#41
 2,4,6-Tribromophenol
 Concen: 95.020 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BG031635.D
 Acq: 18 Dec 2017 15:18

Instrument :
 BNA_G
 ClientSampleId :
 121217-TIDO-E-D-B

Tgt Ion:330 Resp: 240000
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 33.6 25.2 37.8

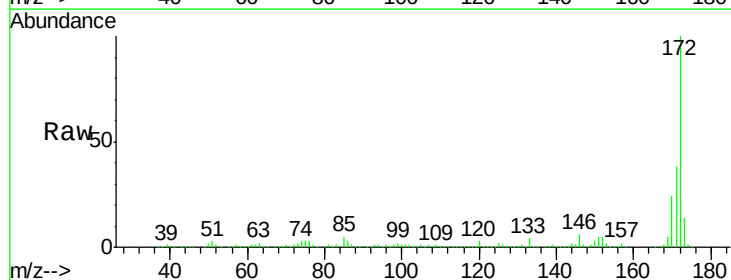


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

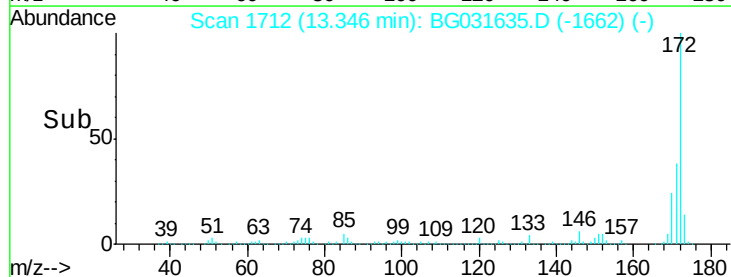
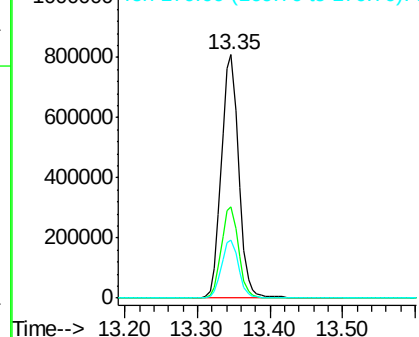


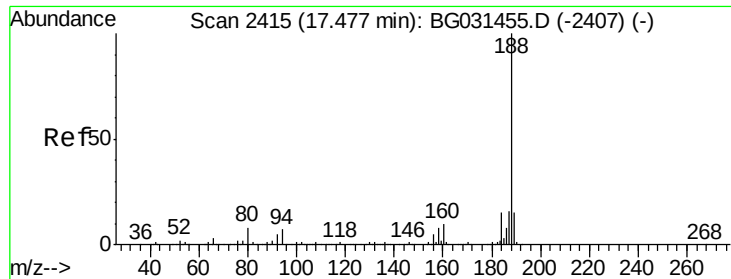
#44
 2-Fluorobiphenyl
 Concen: 91.856 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG031635.D
 Acq: 18 Dec 2017 15:18

Tgt Ion:172 Resp: 1349148
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 24.0 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

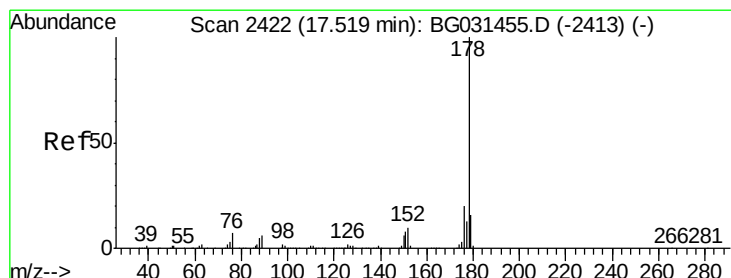
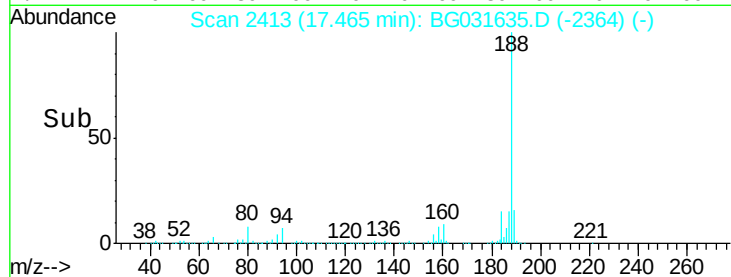
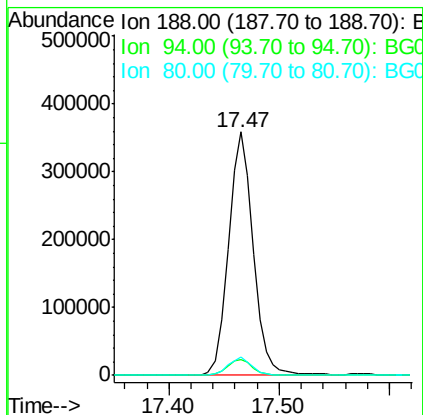
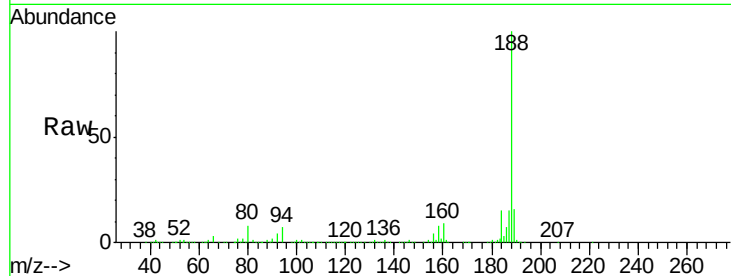




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG031635.D
Acq: 18 Dec 2017 15:18

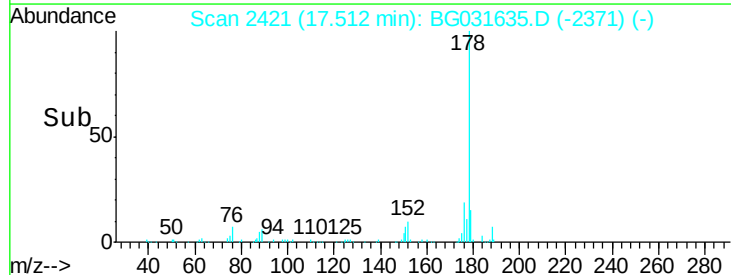
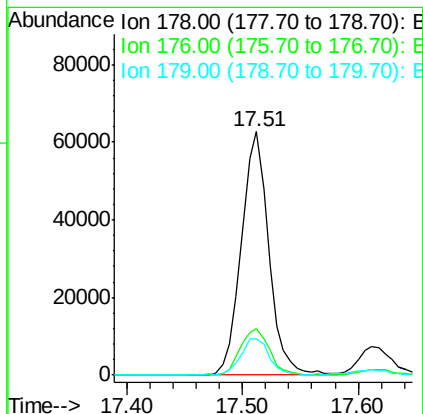
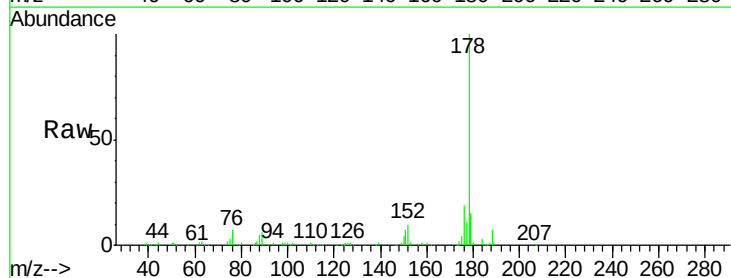
Instrument :
BNA_G
ClientSampleId :
121217-TIDO-E-D-B

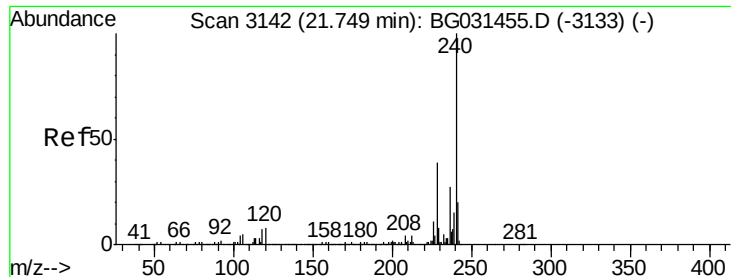
Tgt Ion:188 Resp: 560765
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 7.5 7.7 11.5#



#70
Phenanthrene
Concen: 3.539 ng
RT: 17.51 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BG031635.D
Acq: 18 Dec 2017 15:18

Tgt Ion:178 Resp: 103652
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 14.7 12.5 18.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG031635.D

Acq: 18 Dec 2017 15:18

Instrument :

BNA_G

ClientSampleId :

121217-TIDO-E-D-B

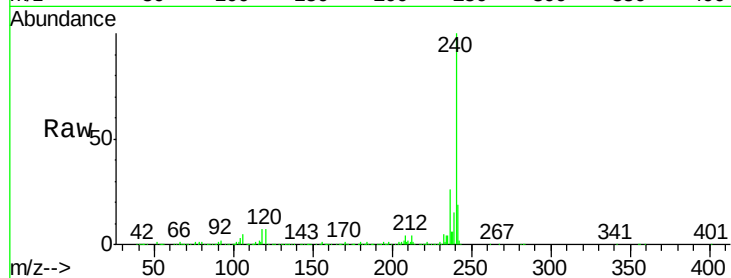
Tgt Ion:240 Resp: 605110

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

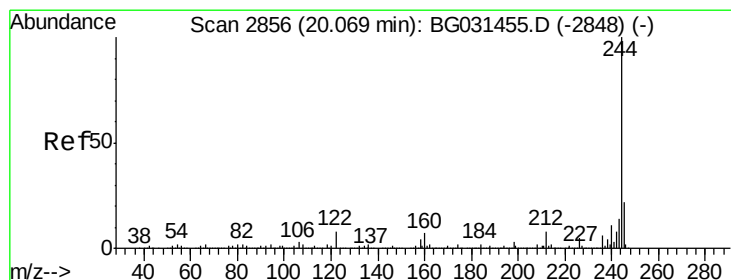
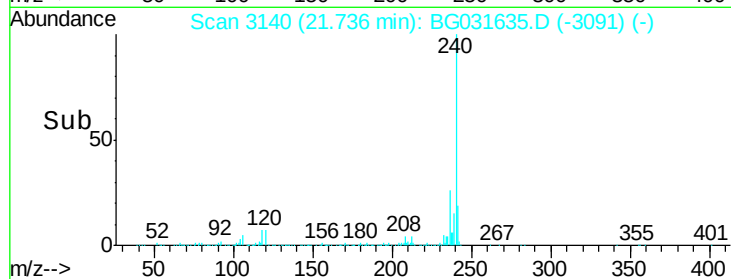
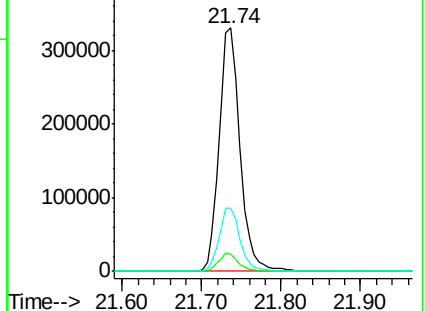
236 26.0 20.9 31.3



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: 84.727 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031635.D

Acq: 18 Dec 2017 15:18

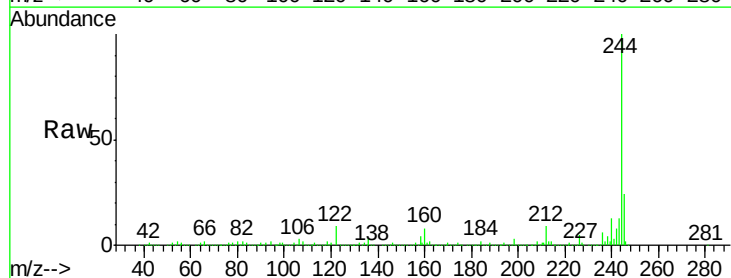
Tgt Ion:244 Resp: 2253426

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

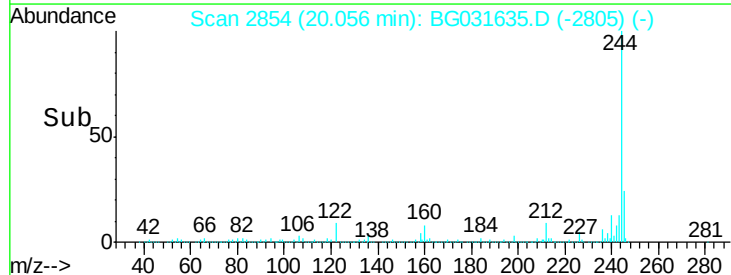
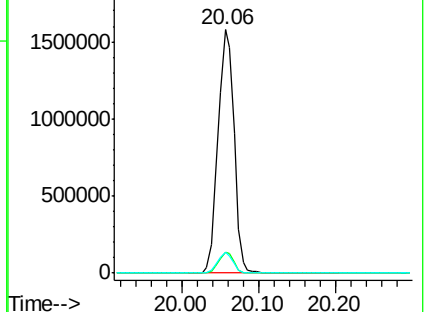
122 8.8 7.0 10.4

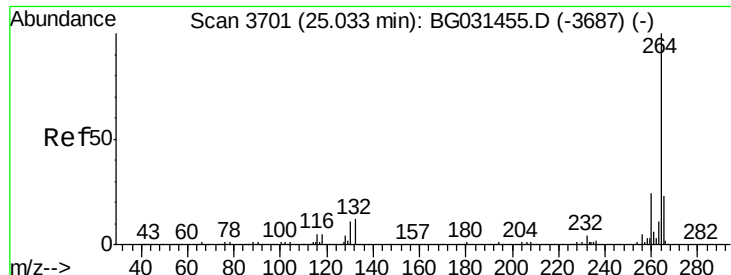


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

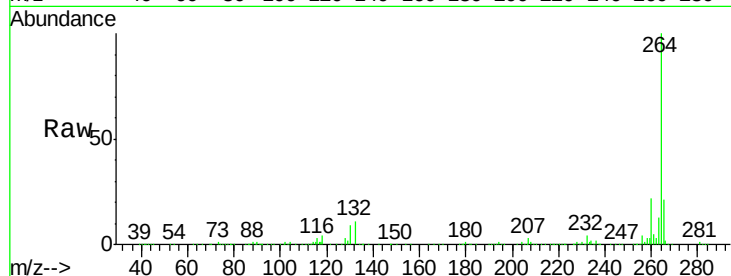




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3697
Delta R.T. -0.02 min
Lab File: BG031635.D
Acq: 18 Dec 2017 15:18

Instrument :
BNA_G
ClientSampleId :
121217-TIDO-E-D-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	21.2	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

