

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\
 Data File : BG043663.D
 Acq On : 15 Nov 2019 23:08
 Operator : JU
 Sample : K5813-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-B

Quant Time: Nov 16 02:30:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

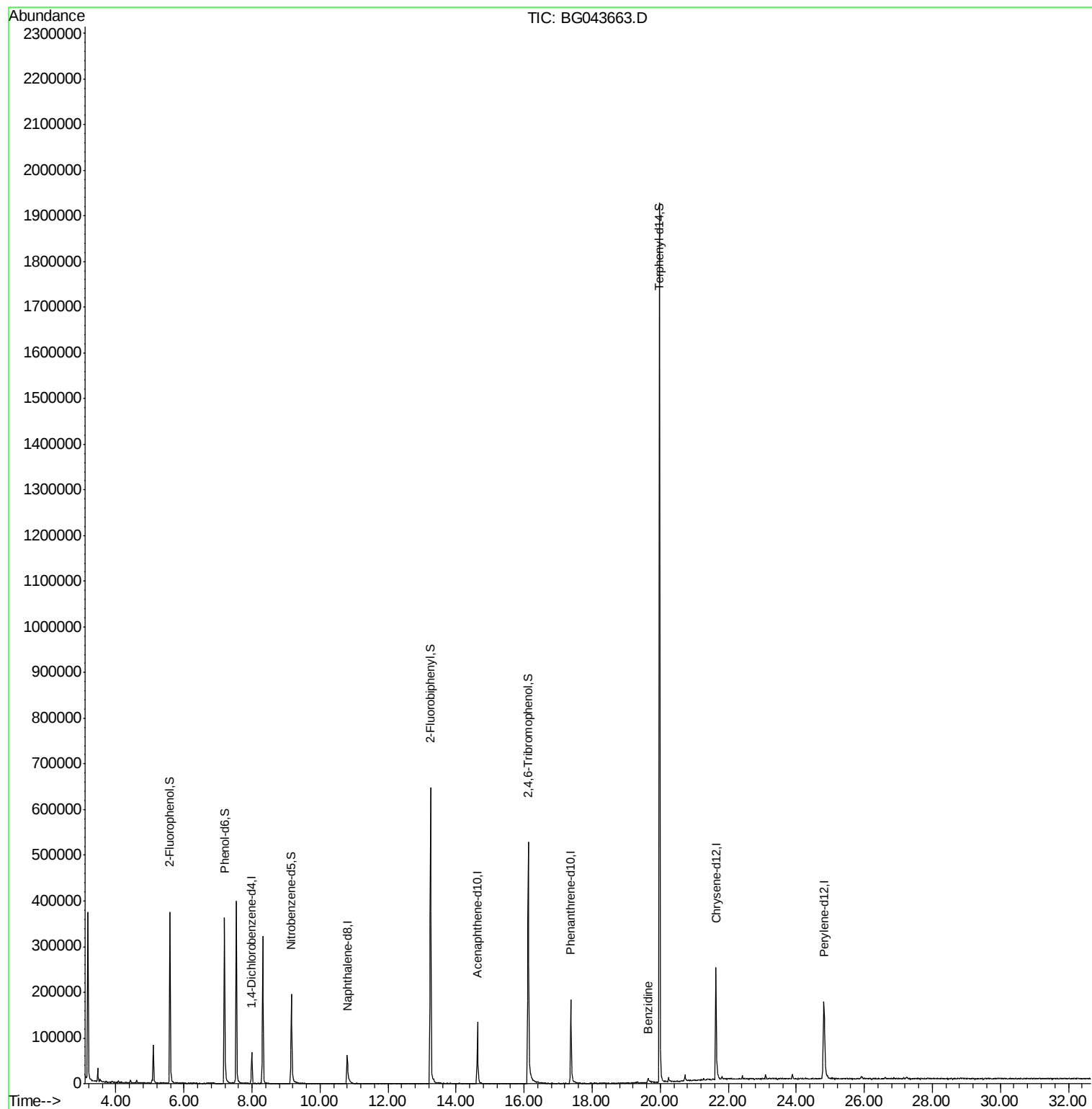
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	21623	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	70558	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	59350	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	165731	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	195929	20.00	ng	-0.02
87) Perylene-d12	24.81	264	221216	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	175146	148.43	ng	0.00
7) Phenol-d6	7.19	99	237076	139.64	ng	0.00
23) Nitrobenzene-d5	9.16	82	143209	104.64	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	154705	136.98	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	398299	92.73	ng	-0.02
79) Terphenyl-d14	19.98	244	1073329	102.77	ng	-0.02
Target Compounds						
77) Benzidine	19.65	184	14679	3.723	ng	Qvalue 95

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

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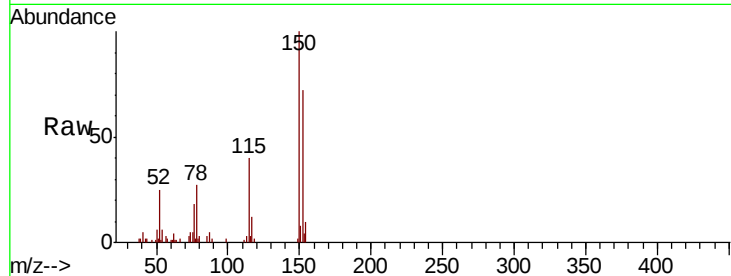


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043663.D
Acq: 15 Nov 2019 23:08

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.2	129.4	194.0
115	55.2	48.8	73.2

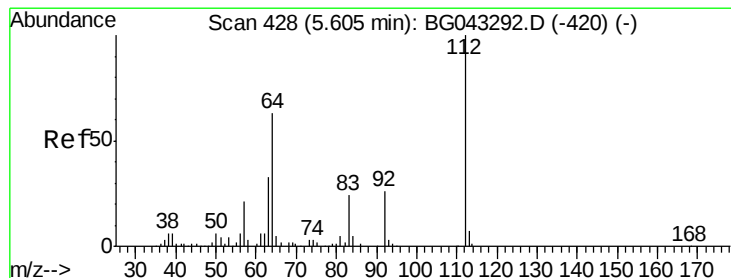
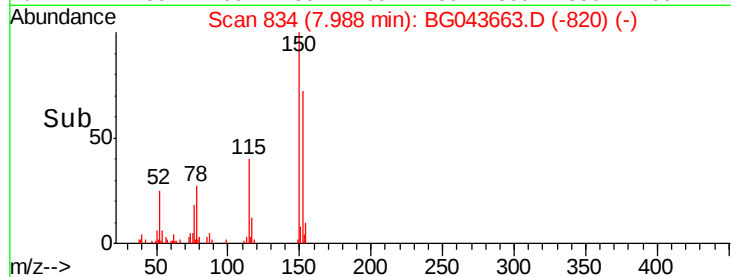
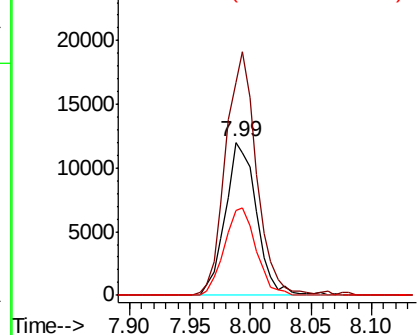


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

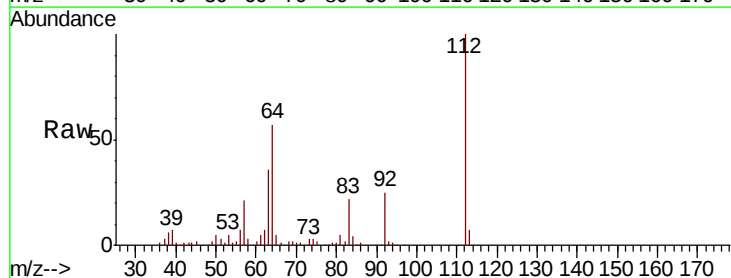
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 148.428 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG043663.D
Acq: 15 Nov 2019 23:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	50.0	75.0
63	35.5	26.6	40.0

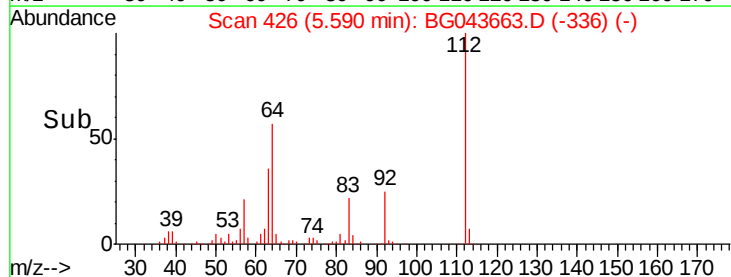
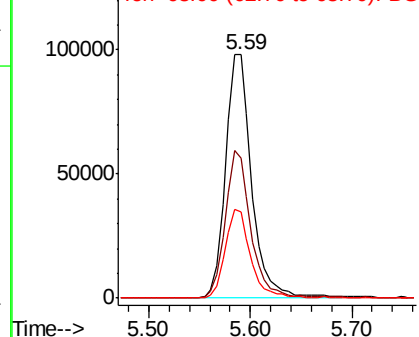


Abundance

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: 139.641 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

Instrument :

BNA_G

ClientSampleId :

SP-B

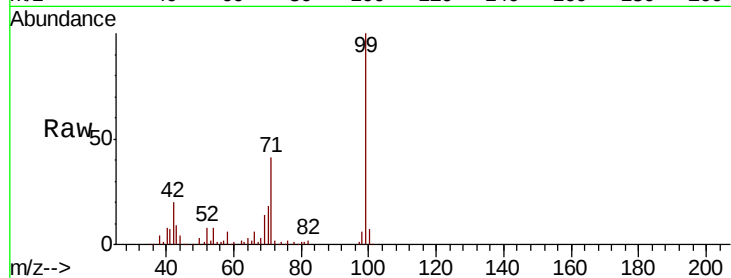
Tot Ion: 99 Resp: 237076

Ion Ratio Lower Upper

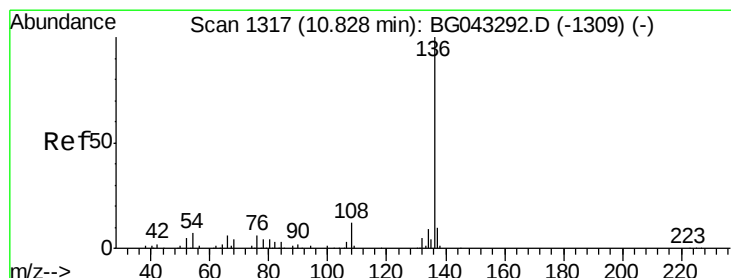
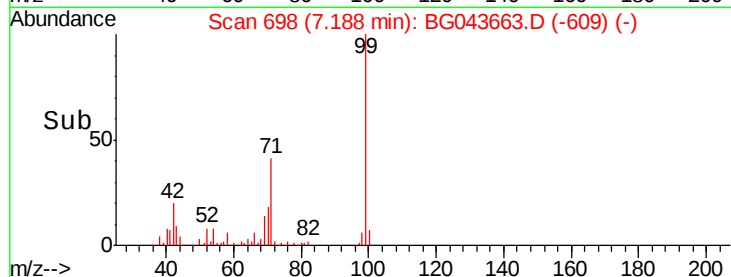
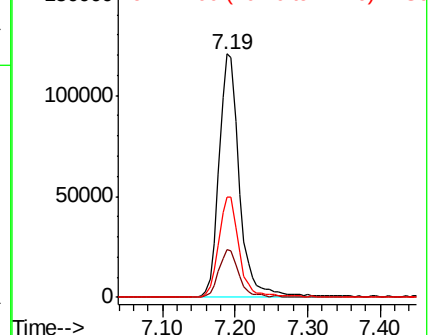
99 100

42 19.8 14.6 21.8

71 40.9 32.5 48.7



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: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

Tgt Ion: 136 Resp: 70558

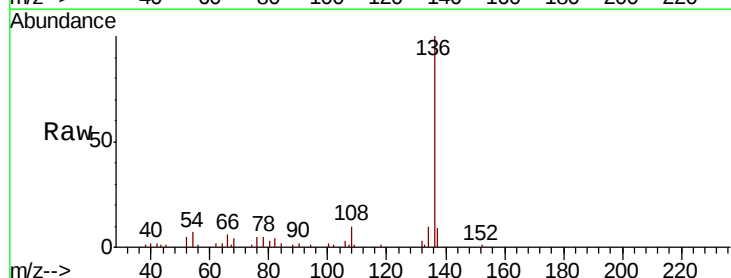
Ion Ratio Lower Upper

136 100

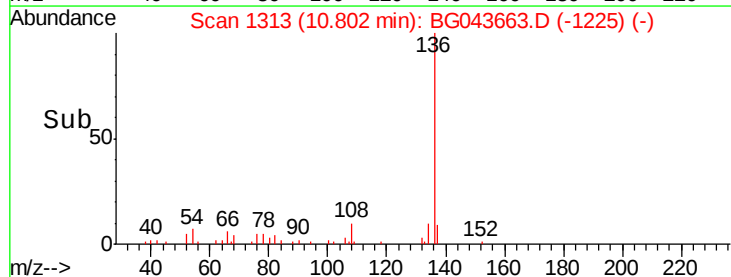
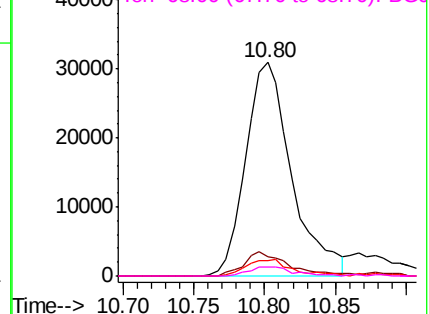
137 9.0 8.7 13.1

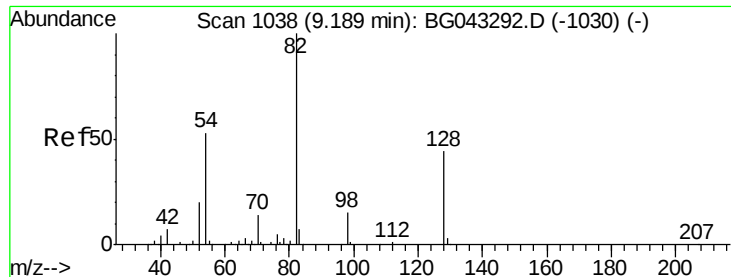
54 7.3 5.4 8.2

68 4.3 3.0 4.4



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

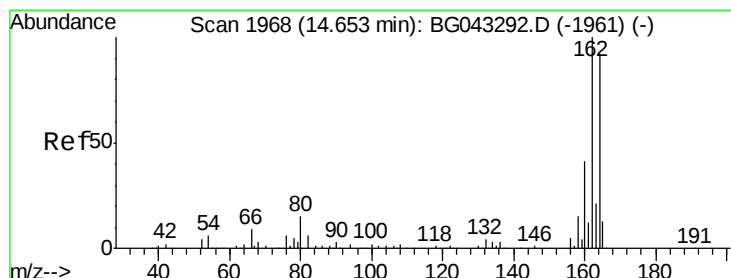
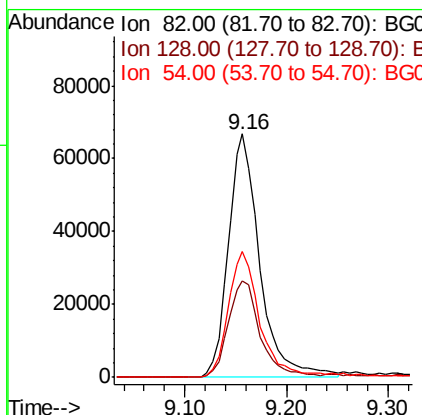
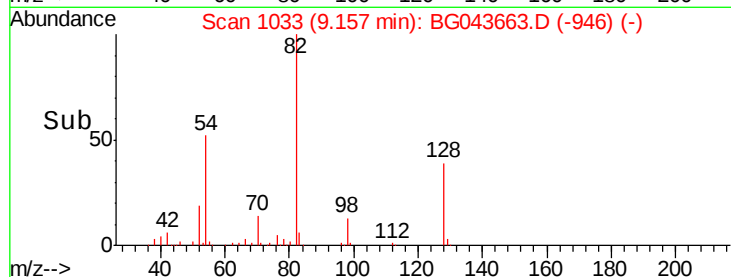
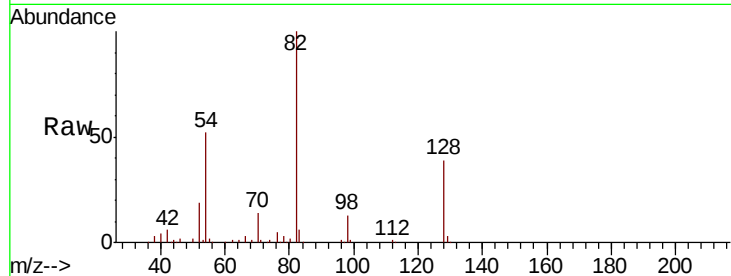




#23
Nitrobenzene-d5
Concen: 104.638 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043663.D
Acq: 15 Nov 2019 23:08

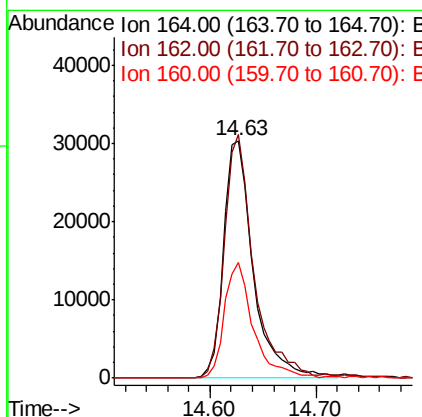
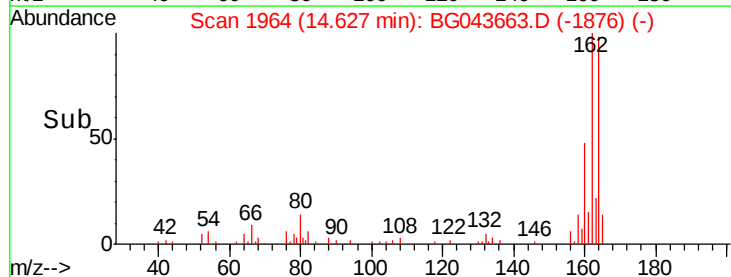
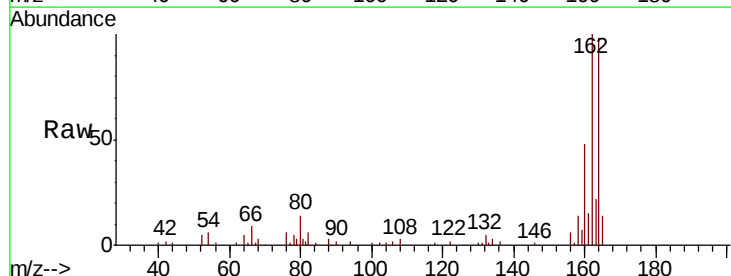
Instrument :
BNA_G
ClientSampleId :
SP-B

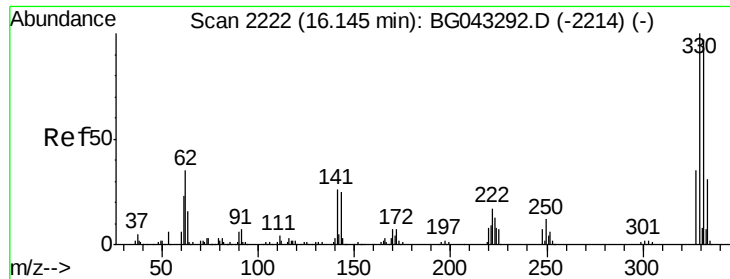
Tot Ion	82	Resp	143209
Ion Ratio	100	Lower	Upper
128	39.4	35.0	52.6
54	51.7	40.2	60.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043663.D
Acq: 15 Nov 2019 23:08

Tgt Ion	164	Resp	59350
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	102.4	83.5	125.3
160	48.8	36.5	54.7

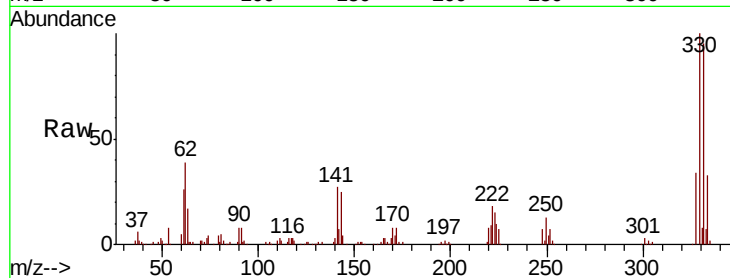




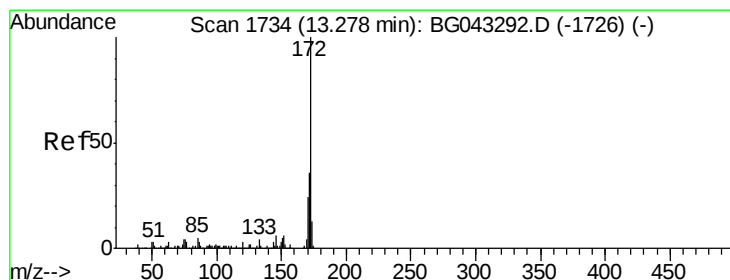
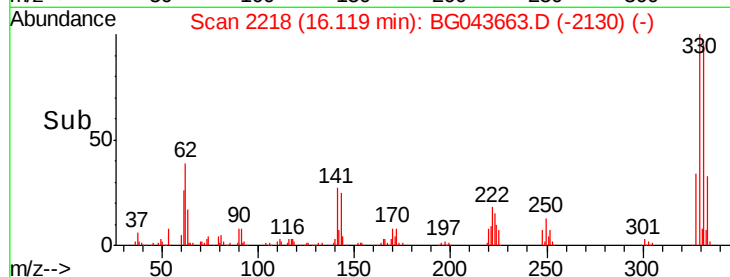
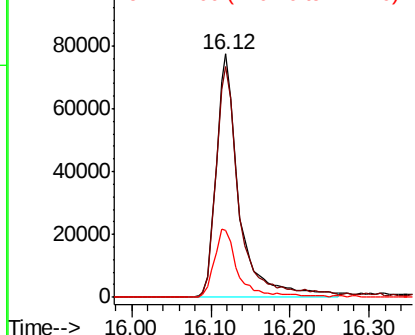
#42
 2,4,6-Tribromophenol
 Concen: 136.976 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043663.D
 Acq: 15 Nov 2019 23:08

Instrument :
 BNA_G
 ClientSampled :
 SP-B

Tot Ion:330 Resp: 154705
 Ion Ratio Lower Upper
 330 100
 332 93.7 77.4 116.0
 141 27.1 22.8 34.2

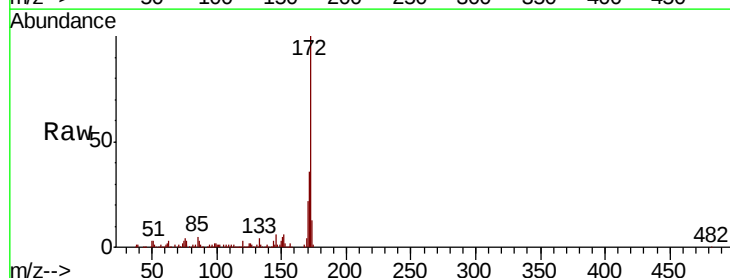


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

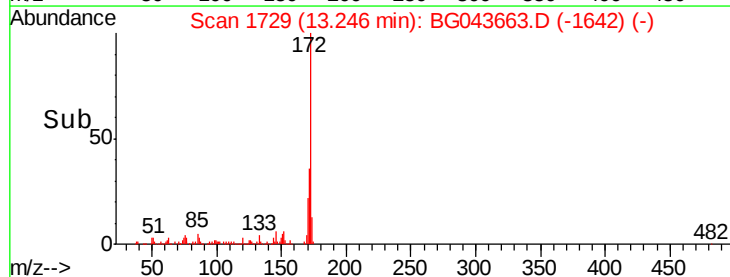
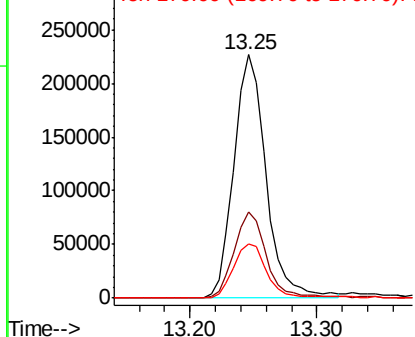


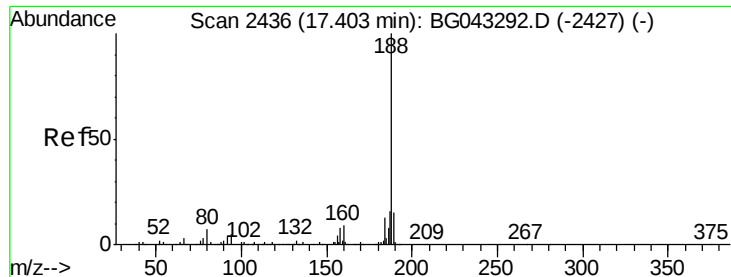
#45
 2-Fluorobiphenyl
 Concen: 92.733 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043663.D
 Acq: 15 Nov 2019 23:08

Tgt Ion:172 Resp: 398299
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 22.4 18.5 27.7



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

Instrument :

BNA_G

ClientSampleId :

SP-B

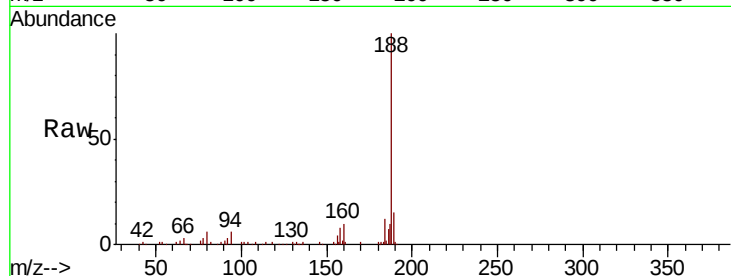
Tot Ion:188 Resp: 165731

Ion Ratio Lower Upper

188 100

94 6.3 4.2 6.4

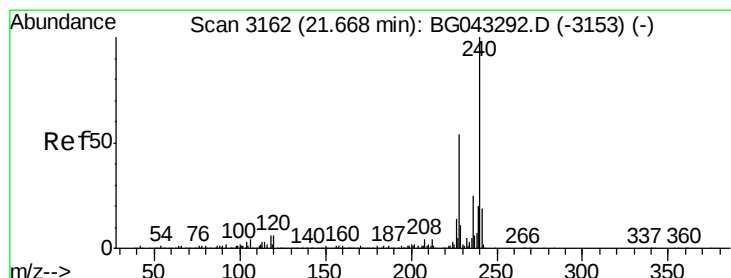
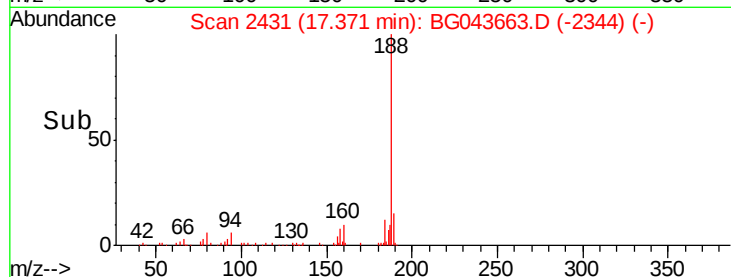
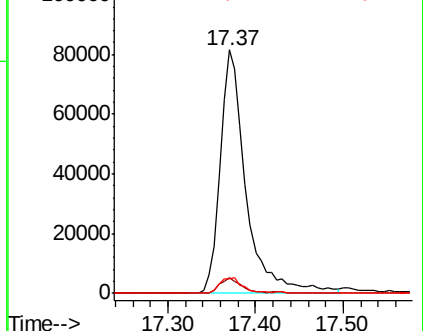
80 6.2 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

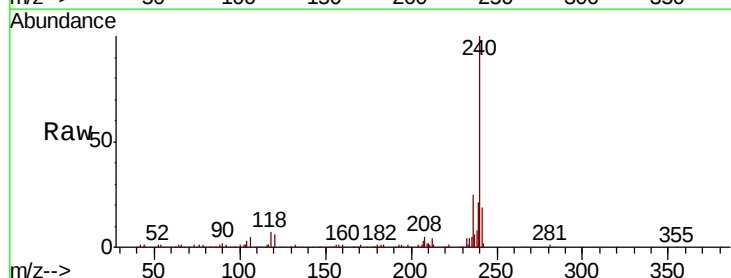
Tgt Ion:240 Resp: 195929

Ion Ratio Lower Upper

240 100

120 6.3 4.6 6.8

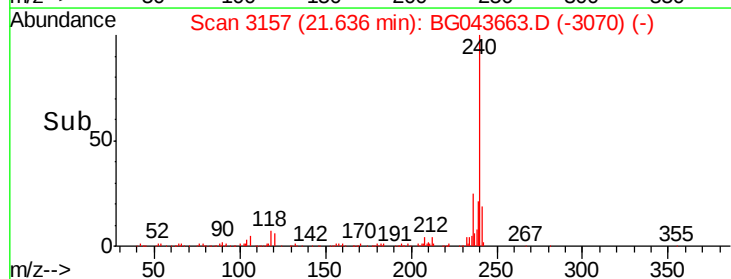
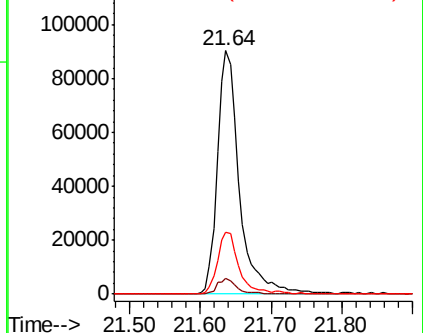
236 25.2 19.8 29.8

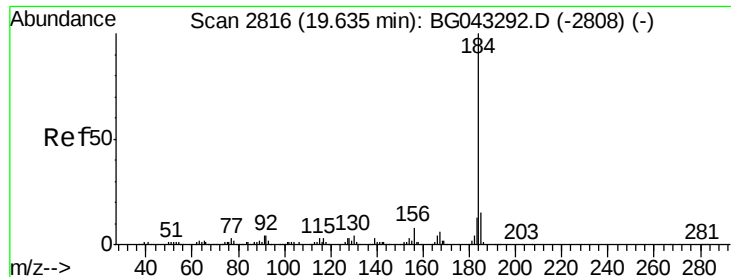


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.723 ng

RT: 19.65 min Scan# 2819

Delta R.T. 0.03 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

Instrument :

BNA_G

ClientSampleId :

SP-B

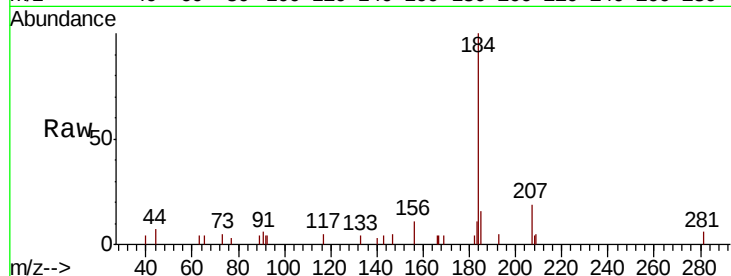
Tot Ion:184 Resp: 14679

Ion Ratio Lower Upper

184 100

185 16.3 11.0 16.4

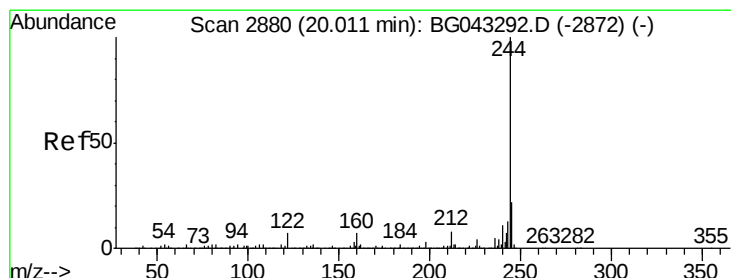
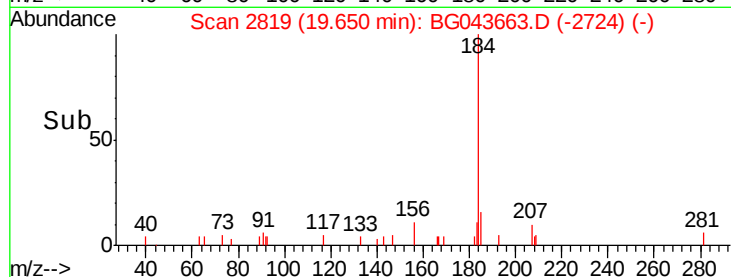
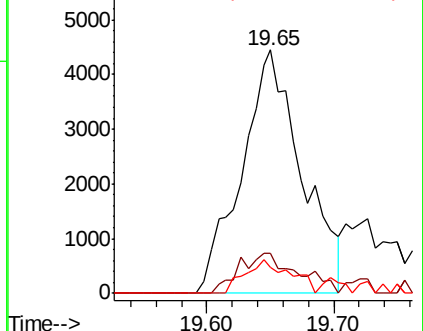
183 10.9 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 102.773 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

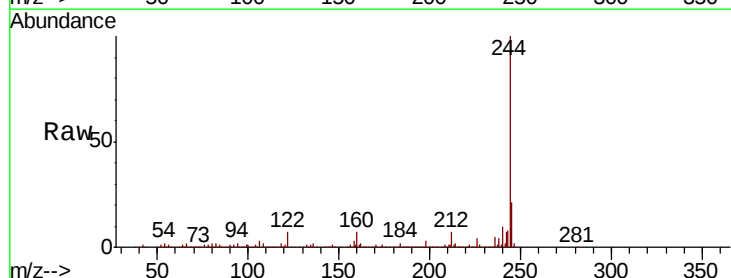
Tgt Ion:244 Resp: 1073329

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

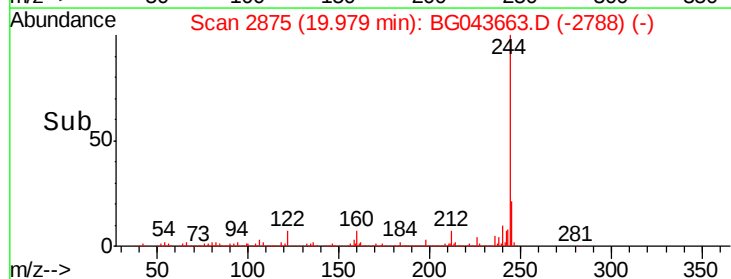
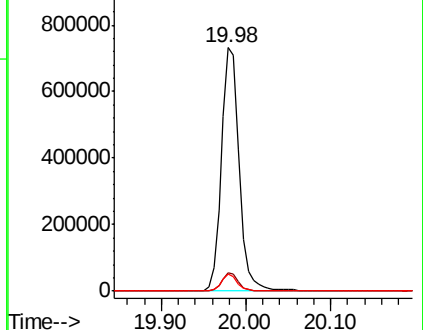
122 7.2 5.4 8.2

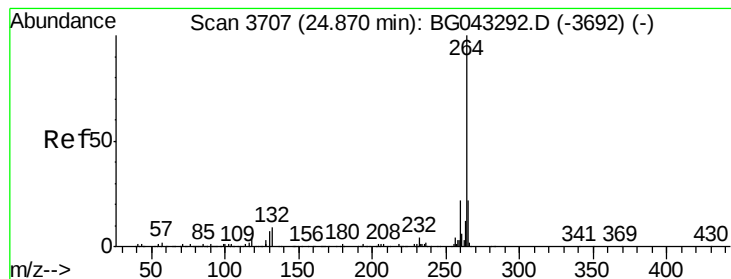


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3698

Delta R.T. -0.04 min

Lab File: BG043663.D

Acq: 15 Nov 2019 23:08

Instrument :

BNA_G

ClientSampleId :

SP-B

Tot Ion:264 Resp: 221216

Ion Ratio Lower Upper

264 100

260 22.0 17.5 26.3

265 22.7 17.4 26.0

