

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043651.D
 Acq On : 15 Nov 2019 8:17
 Operator : JU
 Sample : PB124801TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124801TB

Quant Time: Nov 15 10:08:09 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

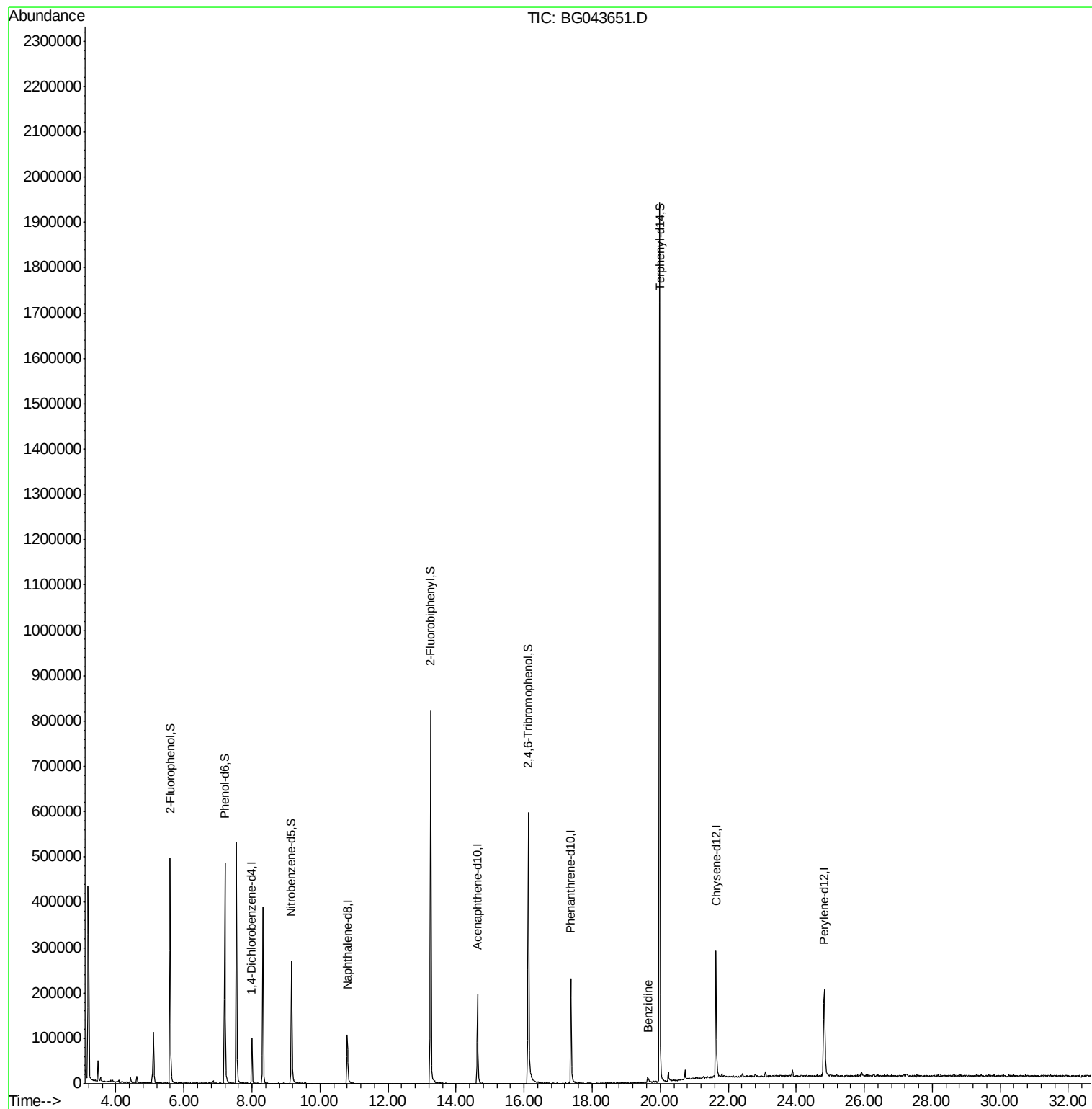
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	30197	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	105901	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	80954	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	189726	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	202774	20.00	ng	-0.01
87) Perylene-d12	24.82	264	231295	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	225017	136.55	ng	0.00
7) Phenol-d6	7.20	99	304043	128.24	ng	0.00
23) Nitrobenzene-d5	9.16	82	186331	90.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	176063	114.29	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	495165	84.52	ng	-0.01
79) Terphenyl-d14	19.99	244	1043299	96.53	ng	-0.01
Target Compounds						
77) Benzidine	19.63	184	18908	4.633	ng	Qvalue 98

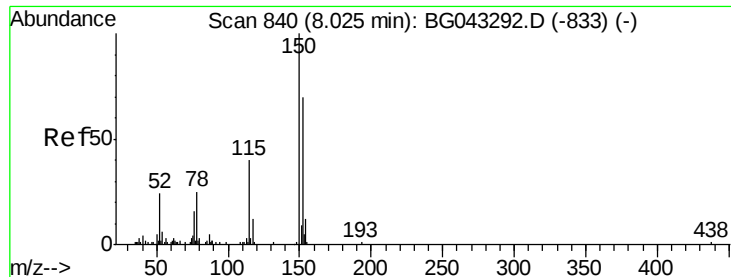
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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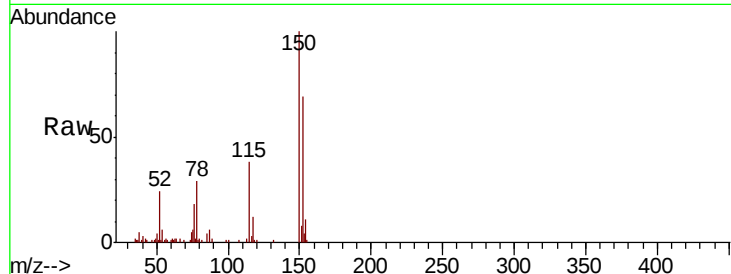


#1

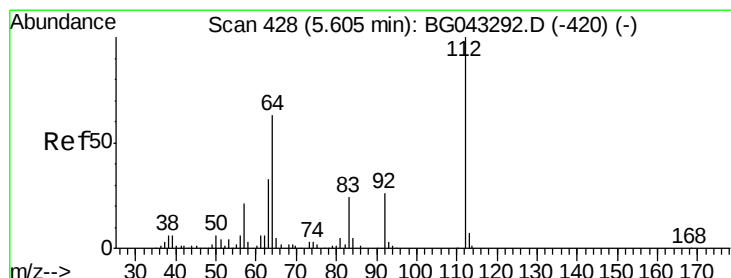
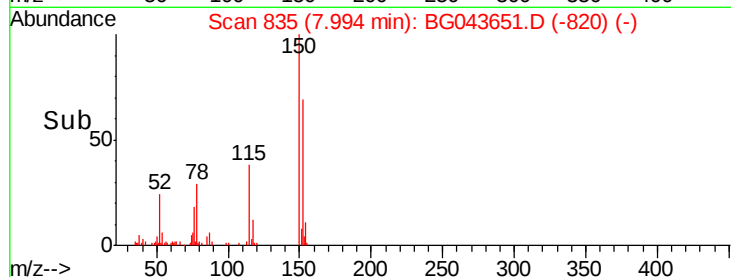
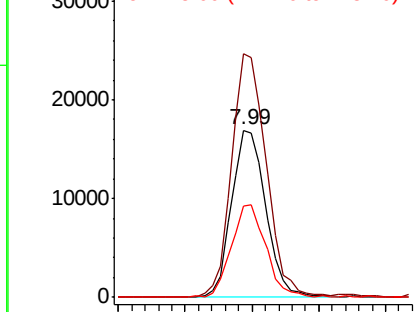
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

Instrument :
BNA_G
ClientSampleId :
PB124801TB

Tot Ion:152 Resp: 30197
Ion Ratio Lower Upper
152 100
150 145.7 129.4 194.0
115 54.7 48.8 73.2



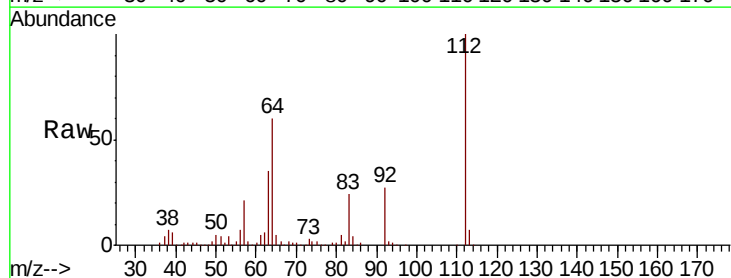
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



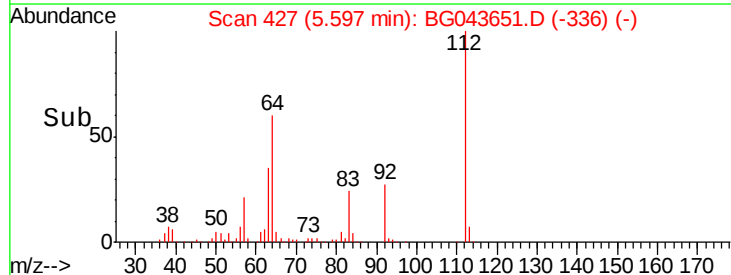
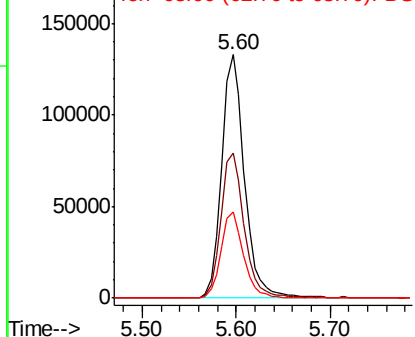
#5

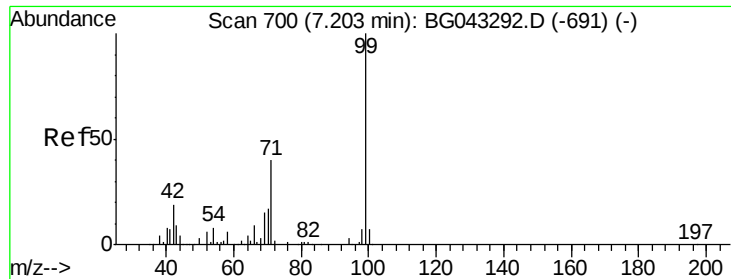
2-Fluorophenol
Concen: 136.547 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

Tgt Ion:112 Resp: 225017
Ion Ratio Lower Upper
112 100
64 59.5 50.0 75.0
63 35.2 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 128.237 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

PB124801TB

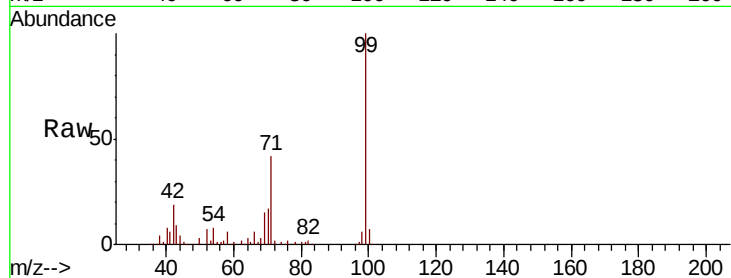
Tot Ion: 99 Resp: 304043

Ion Ratio Lower Upper

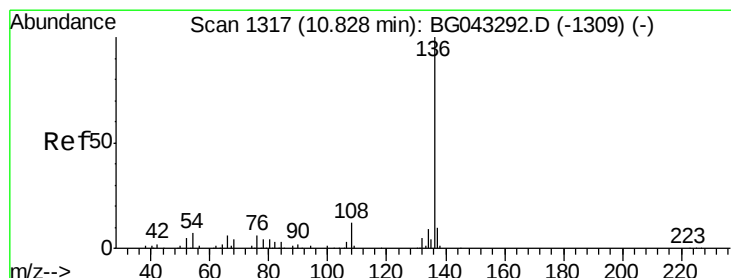
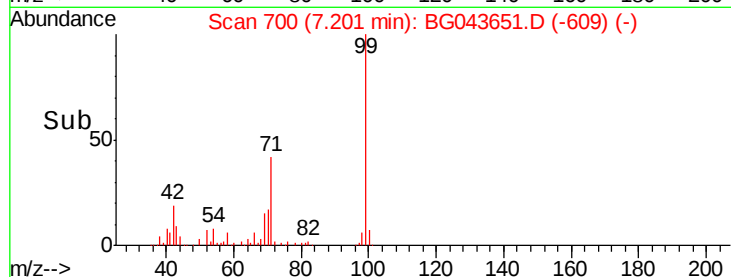
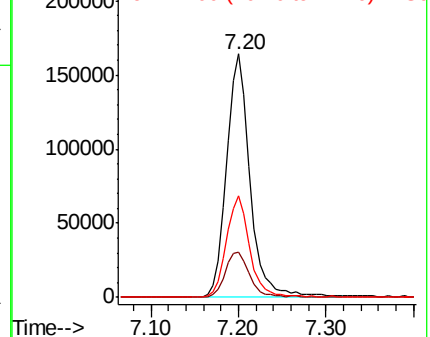
99 100

42 18.8 14.6 21.8

71 41.8 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: BG043651.D

Acq: 15 Nov 2019 8:17

Tgt Ion: 136 Resp: 105901

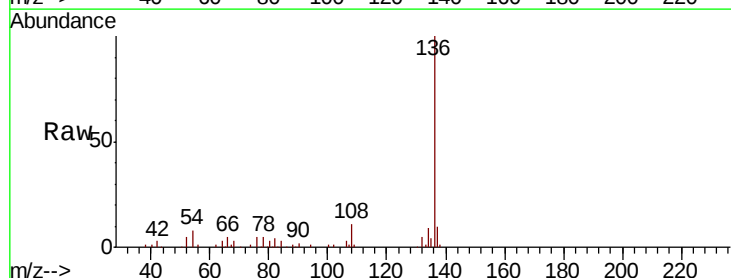
Ion Ratio Lower Upper

136 100

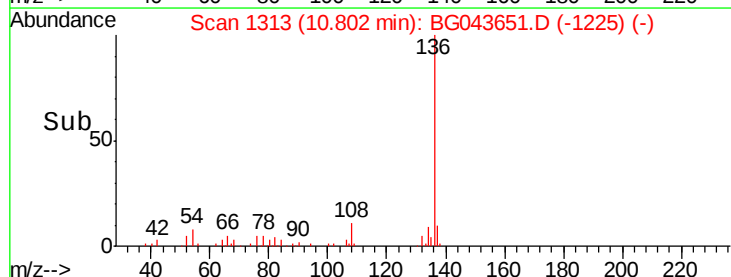
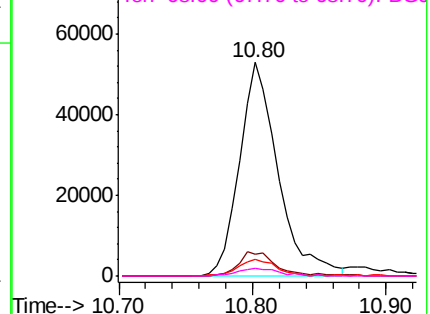
137 10.3 8.7 13.1

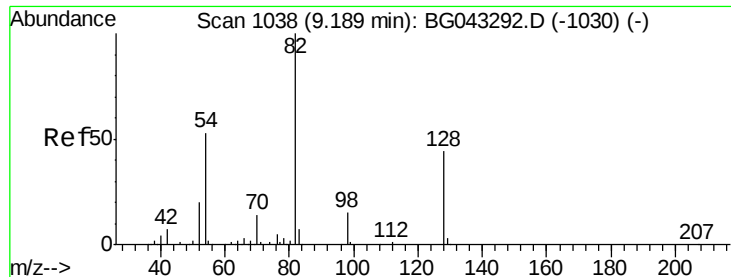
54 8.0 5.4 8.2

68 3.5 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

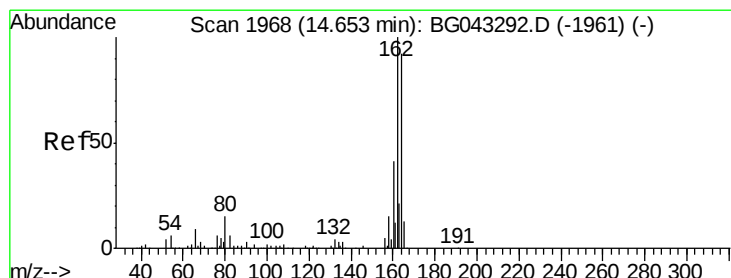
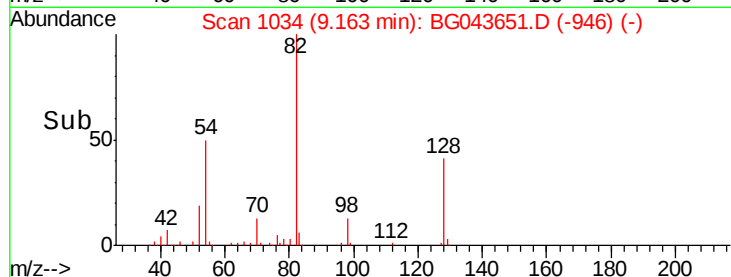
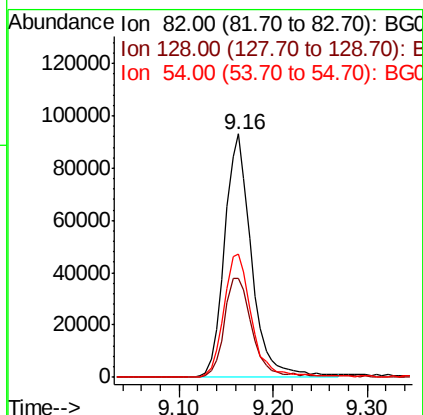
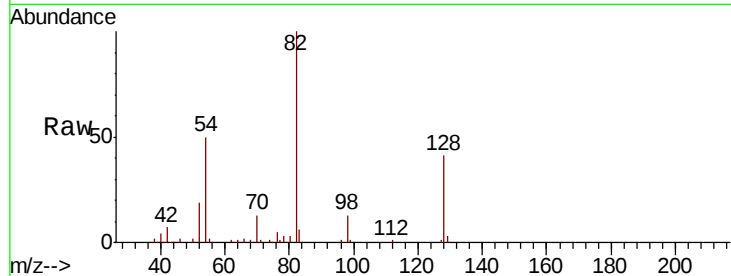




#23
 Nitrobenzene-d5
 Concen: 90.709 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

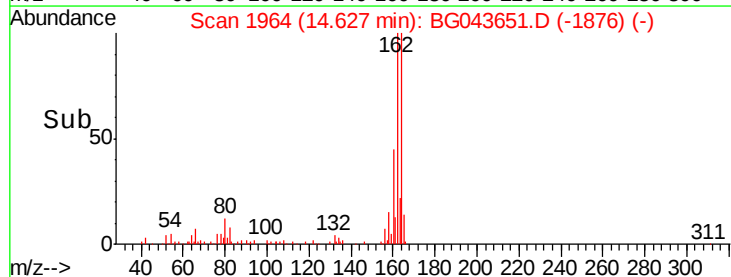
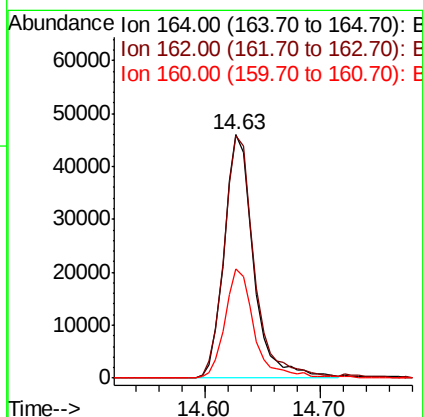
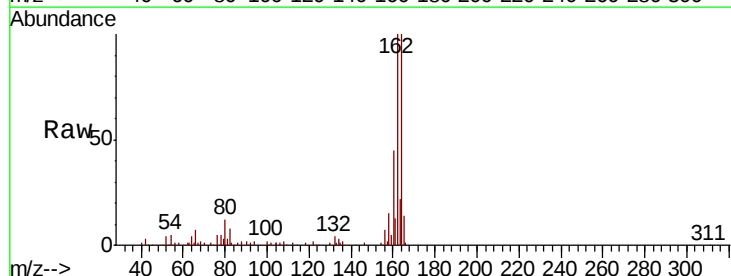
Instrument :
 BNA_G
 ClientSampleId :
 PB124801TB

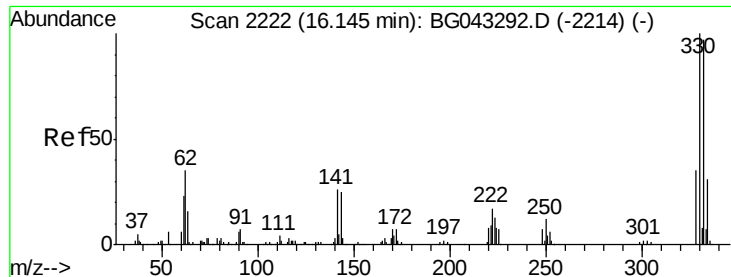
Tot Ion	82	Resp	186331
Ion Ratio	Lower	Upper	
82	100		
128	40.7	35.0	52.6
54	50.5	40.2	60.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

Tgt Ion	164	Resp	80954
Ion Ratio	Lower	Upper	
164	100		
162	99.7	83.5	125.3
160	44.8	36.5	54.7

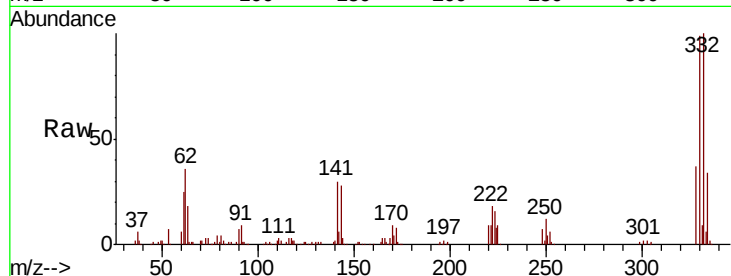




#42
 2,4,6-Tribromophenol
 Concen: 114.285 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

Instrument :
 BNA_G
 ClientSampled :
 PB124801TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	28.3	22.8	34.2

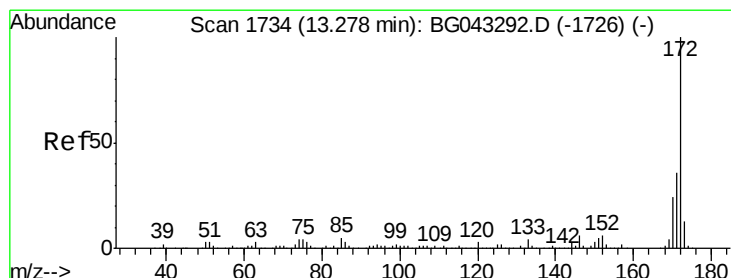
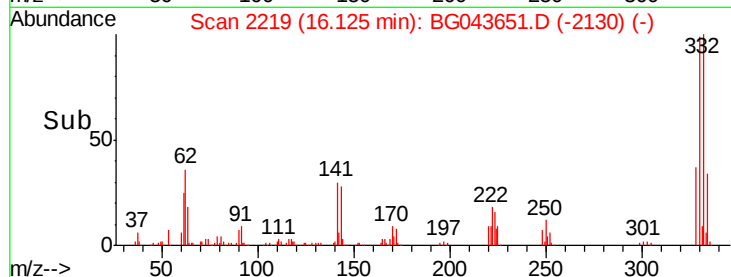
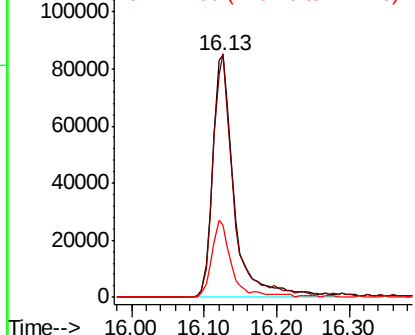


Abundance

Ion 329.80 (329.50 to 330.50): E

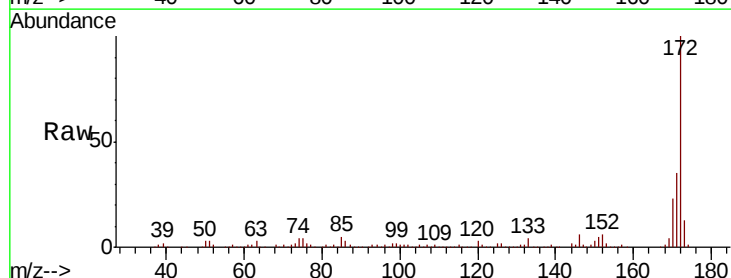
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 84.520 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	22.6	18.5	27.7

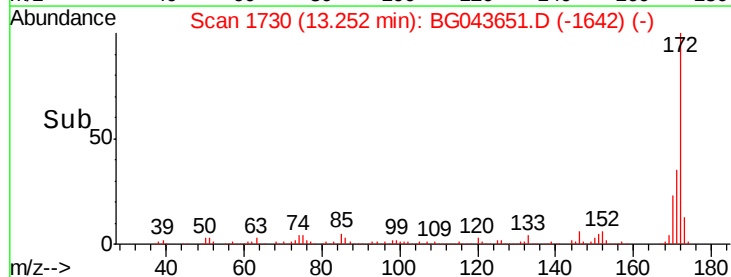
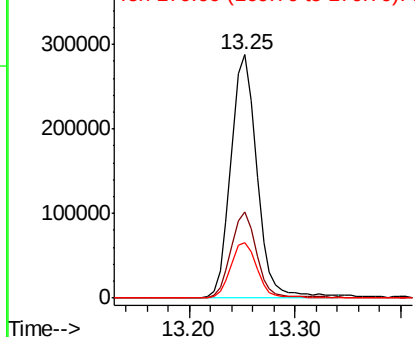


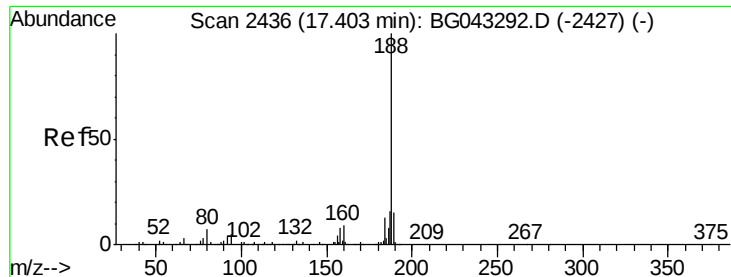
Abundance

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

PB124801TB

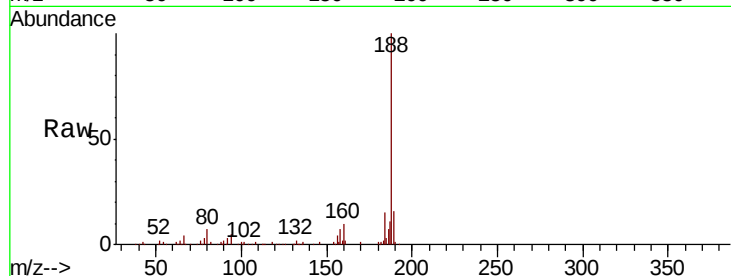
Tot Ion:188 Resp: 189726

Ion Ratio Lower Upper

188 100

94 5.0 4.2 6.4

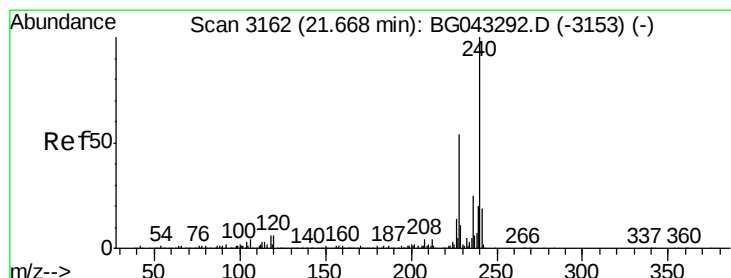
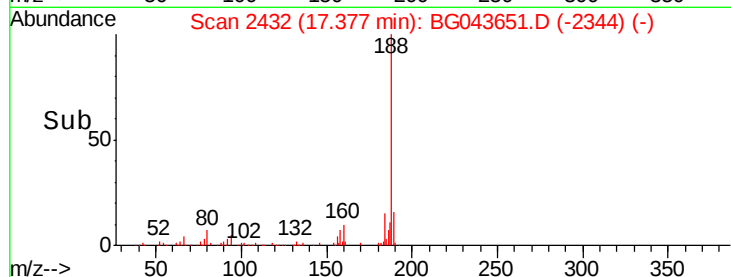
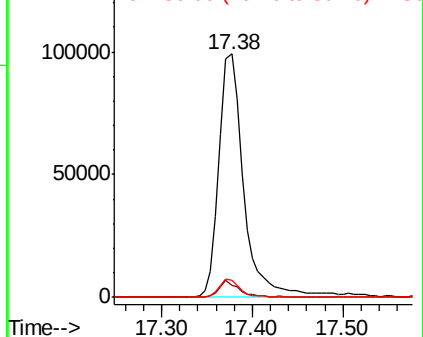
80 6.9 4.5 6.7#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

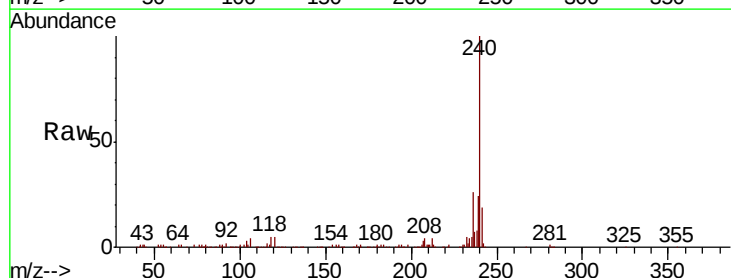
Tgt Ion:240 Resp: 202774

Ion Ratio Lower Upper

240 100

120 5.4 4.6 6.8

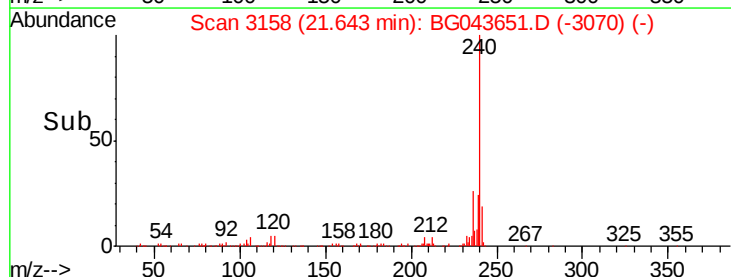
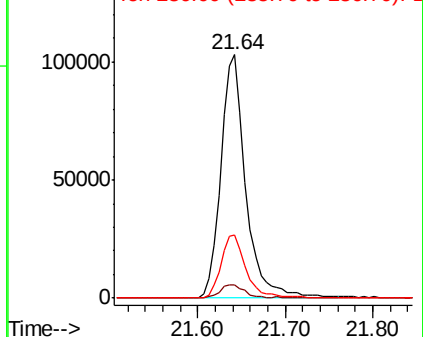
236 25.9 19.8 29.8

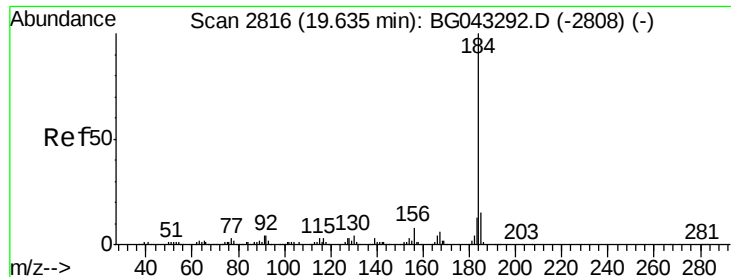


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.633 ng

RT: 19.63 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

PB124801TB

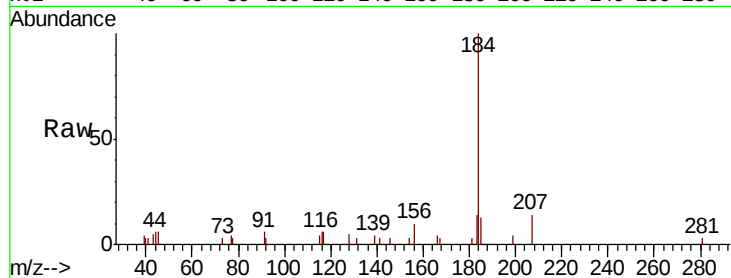
Tot Ion:184 Resp: 18908

Ion Ratio Lower Upper

184 100

185 12.8 11.0 16.4

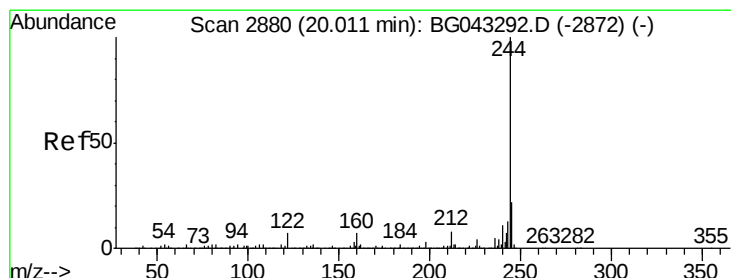
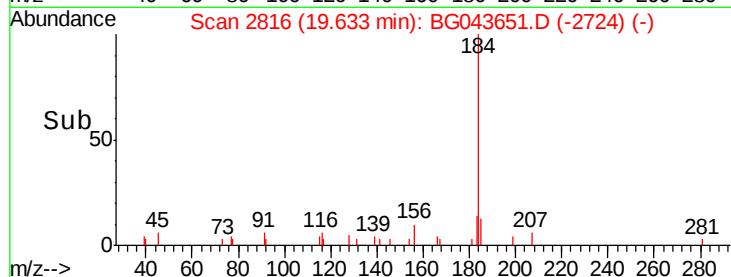
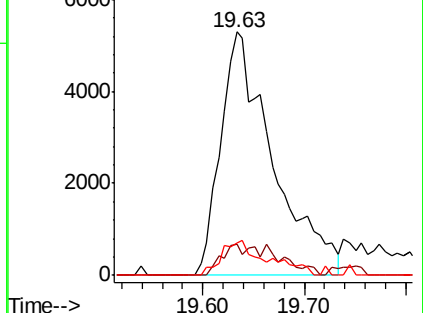
183 13.5 10.0 15.0



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: 96.526 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

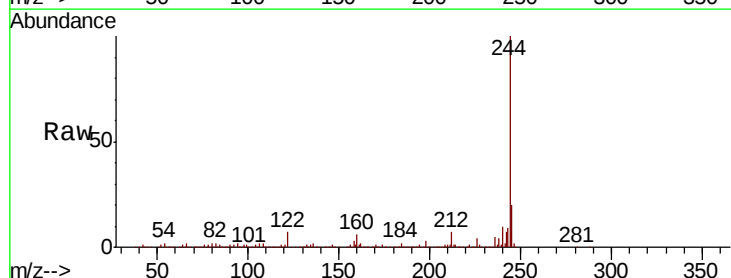
Tgt Ion:244 Resp: 1043299

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

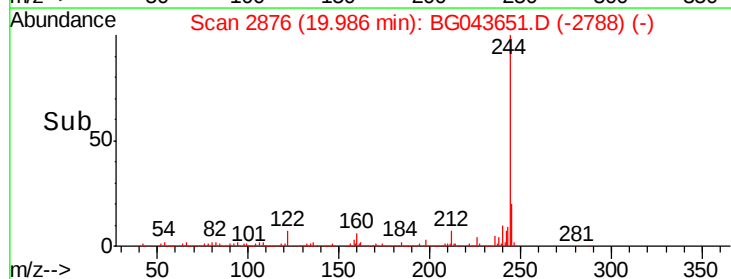
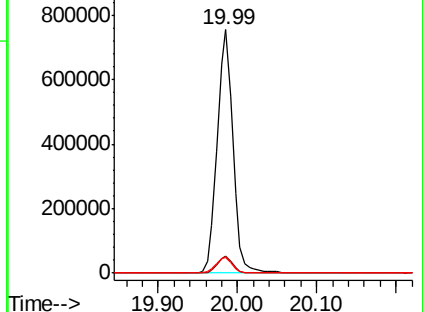
122 6.5 5.4 8.2

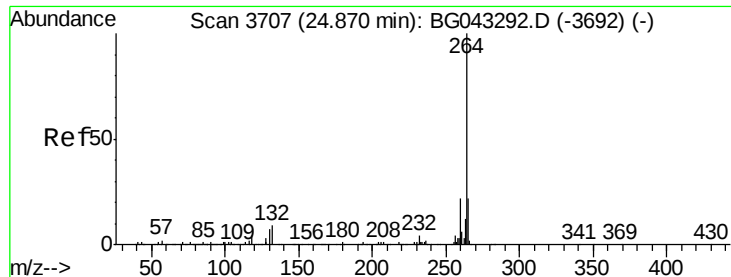


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.82 min Scan# 3699
Delta R.T. -0.03 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

Instrument :
BNA_G
ClientSampleId :
PB124801TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.5	26.3
265	21.7	17.4	26.0

