

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112319\
 Data File : BG043758.D
 Acq On : 23 Nov 2019 16:23
 Operator : JU
 Sample : PB124977TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124977TB

Quant Time: Nov 25 02:59:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

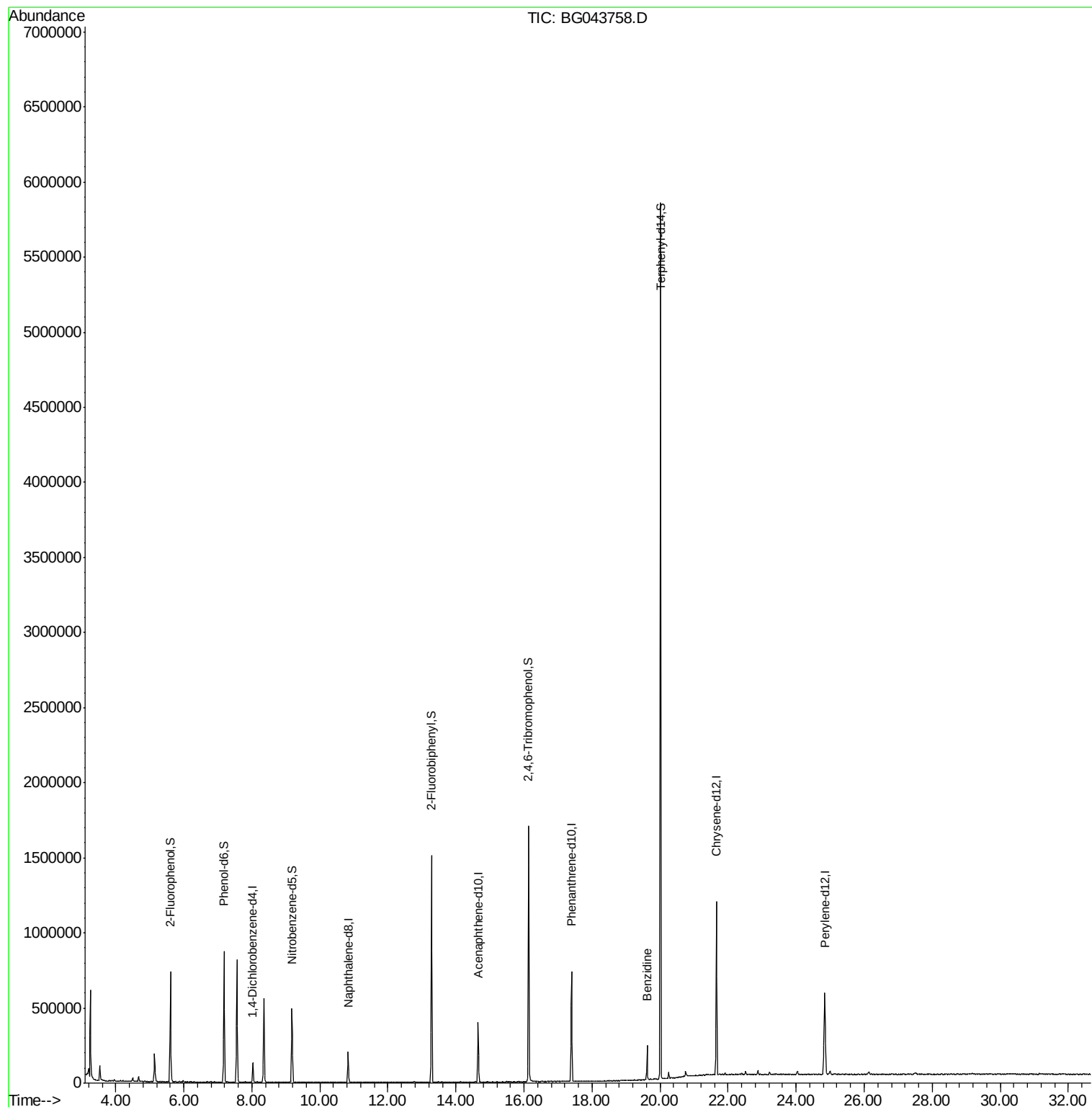
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37527	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	174155	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	140950	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	468581	20.00	ng	0.00
76) Chrysene-d12	21.66	240	647419	20.00	ng	0.00
87) Perylene-d12	24.84	264	569451	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	355843	170.47	ng	0.00
7) Phenol-d6	7.18	99	505741	166.67	ng	0.00
23) Nitrobenzene-d5	9.18	82	294290	92.91	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	306051	180.02	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	785915	91.66	ng	0.00
79) Terphenyl-d14	20.01	244	2431073	84.85	ng	0.00
Target Compounds						
77) Benzidine	19.62	184	128282	6.783	ng	Qvalue 98

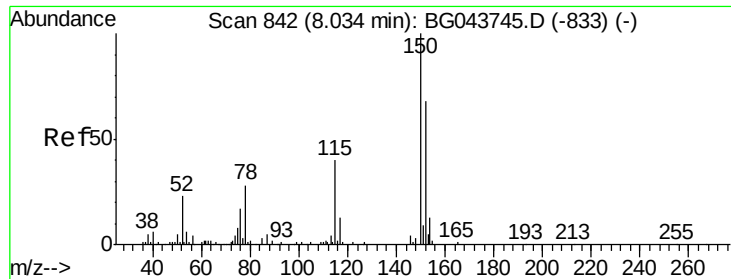
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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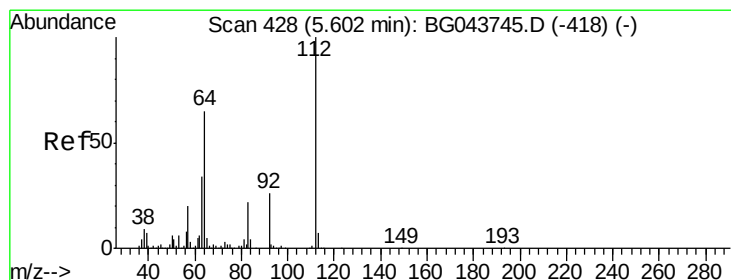
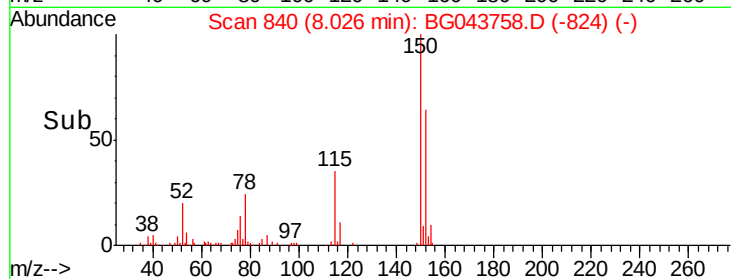
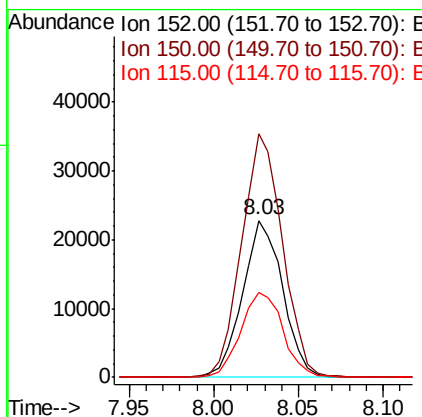
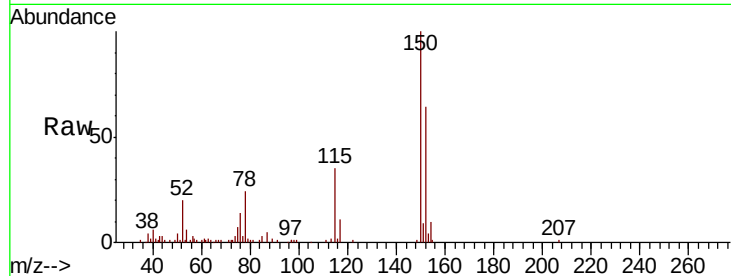


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG043758.D
Acq: 23 Nov 2019 16:23

Instrument :
BNA_G
ClientSampleId :
PB124977TB

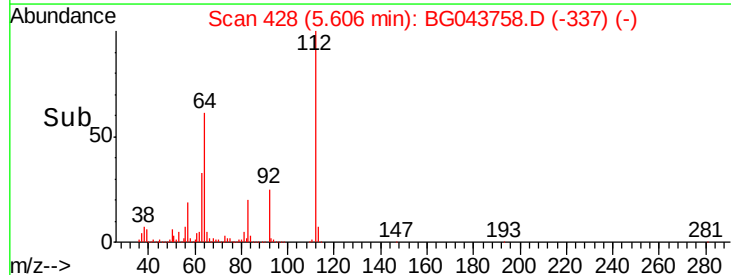
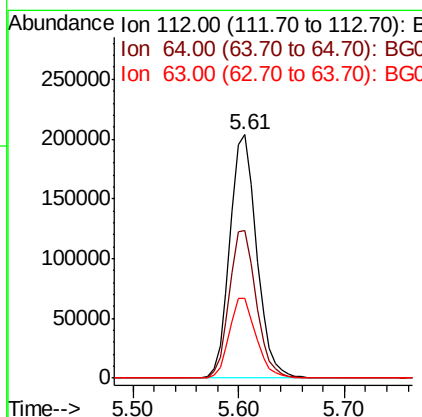
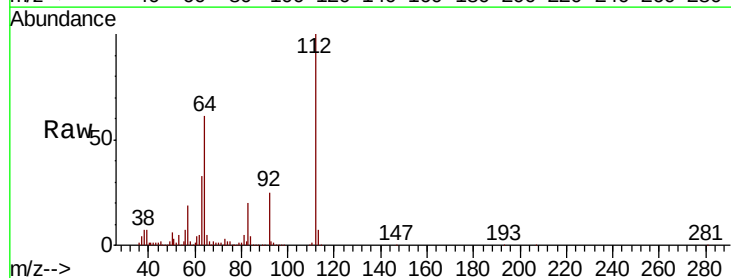
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	117.8	176.8
115	54.0	47.0	70.4

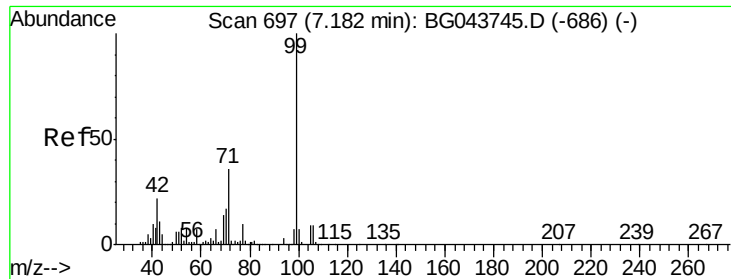


#5

2-Fluorophenol
Concen: 170.471 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043758.D
Acq: 23 Nov 2019 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	51.7	77.5
63	32.8	26.8	40.2





#7

Phenol-d6

Concen: 166.669 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043758.D

Acq: 23 Nov 2019 16:23

Instrument :

BNA_G

ClientSampleId :

PB124977TB

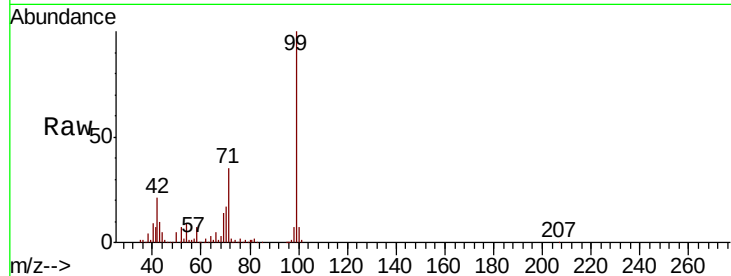
Tot Ion: 99 Resp: 505741

Ion Ratio Lower Upper

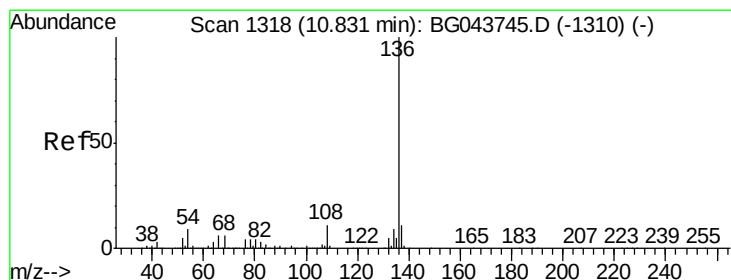
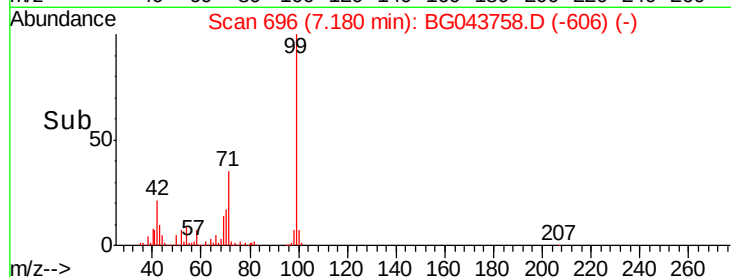
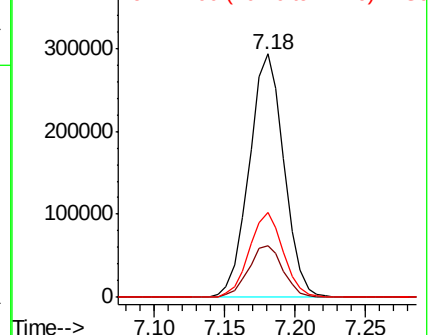
99 100

42 21.4 17.4 26.0

71 34.7 29.5 44.3



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: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043758.D

Acq: 23 Nov 2019 16:23

Tgt Ion: 136 Resp: 174155

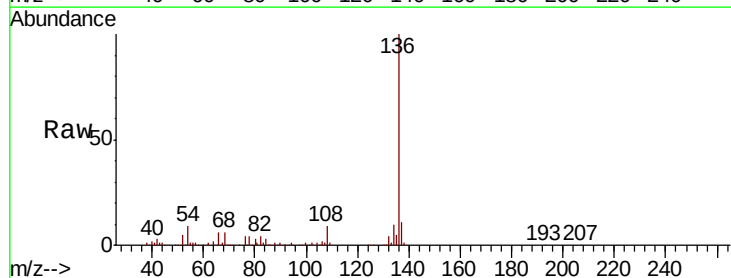
Ion Ratio Lower Upper

136 100

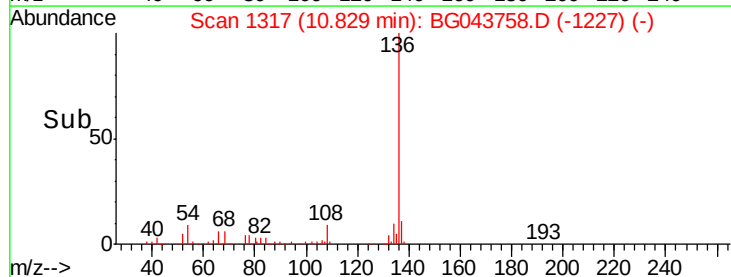
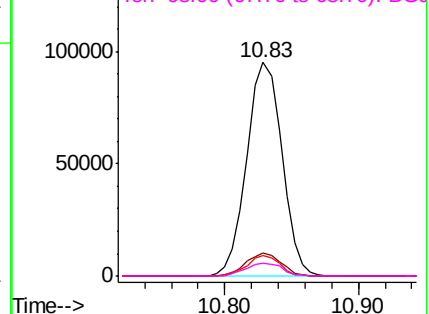
137 11.0 8.8 13.2

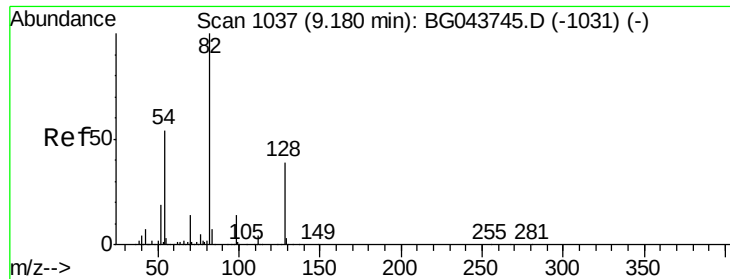
54 9.4 7.5 11.3

68 5.9 4.9 7.3



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

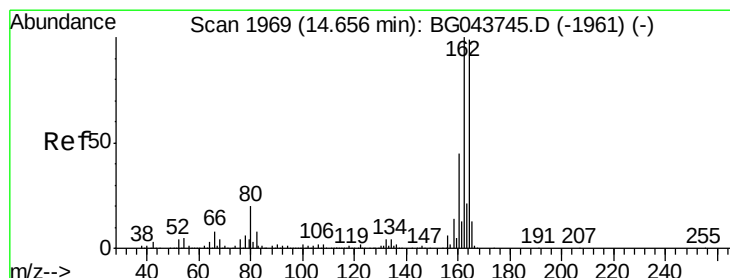
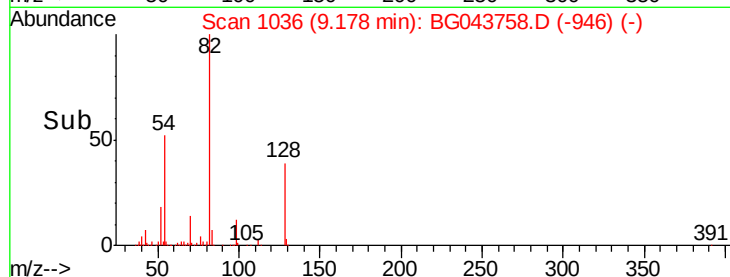
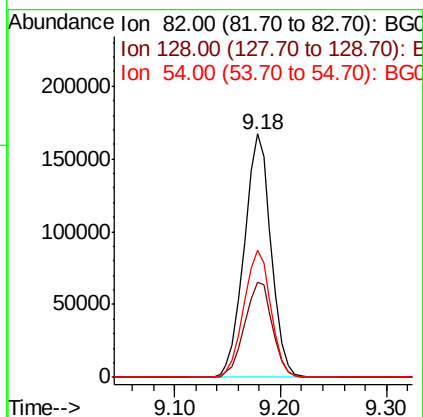
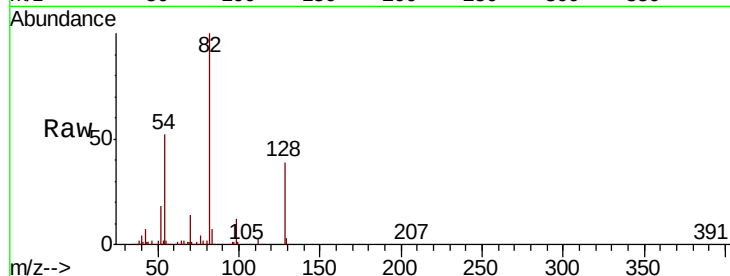




#23
 Nitrobenzene-d5
 Concen: 92.910 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG043758.D
 Acq: 23 Nov 2019 16:23

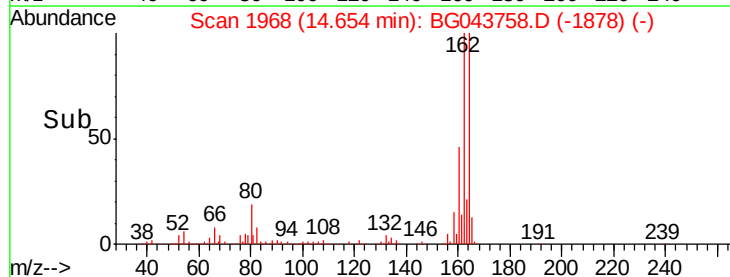
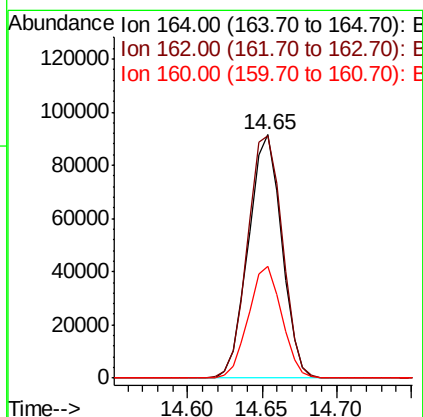
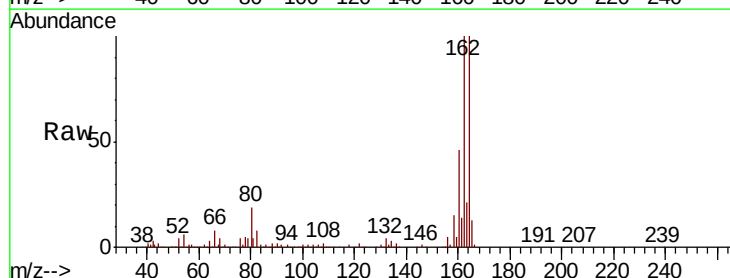
Instrument :
 BNA_G
 ClientSampleId :
 PB124977TB

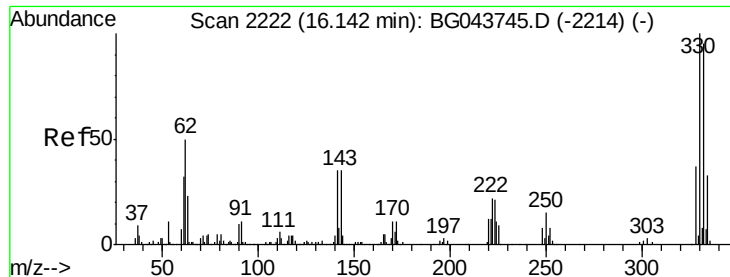
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	52.2	42.7	64.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043758.D
 Acq: 23 Nov 2019 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	121.0
160	45.7	36.3	54.5

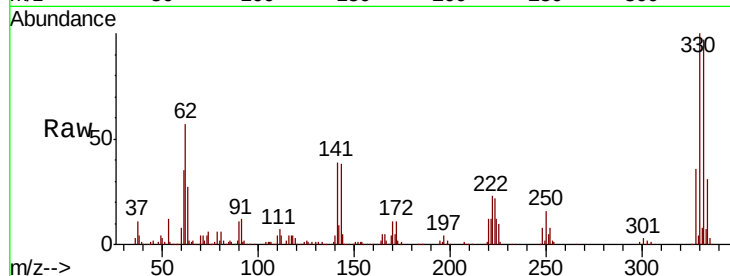




#42
 2,4,6-Tribromophenol
 Concen: 180.023 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG043758.D
 Acq: 23 Nov 2019 16:23

Instrument :
 BNA_G
 ClientSampleId :
 PB124977TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	39.0	31.4	47.2

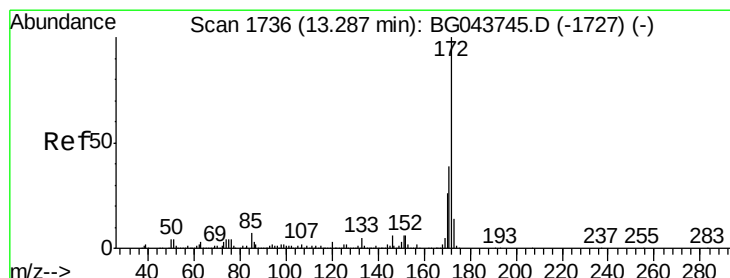
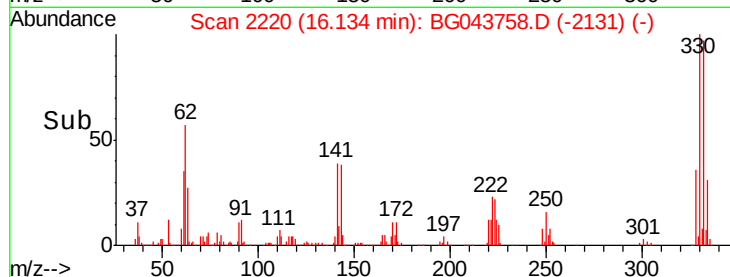
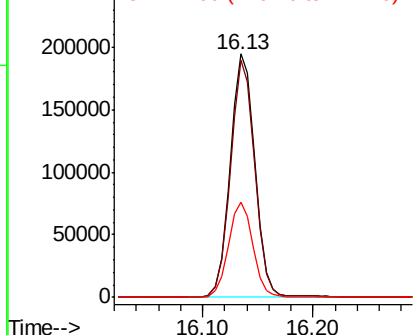


Abundance

Ion 329.80 (329.50 to 330.50): E

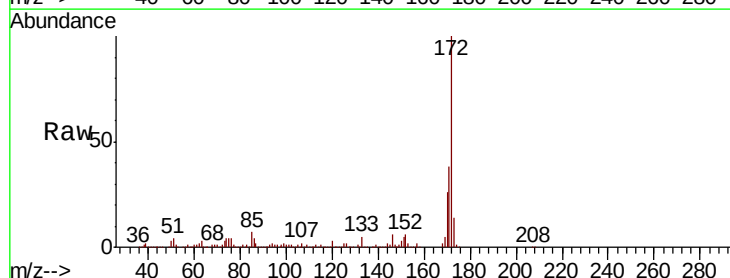
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.655 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG043758.D
 Acq: 23 Nov 2019 16:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.0	46.6
170	25.9	21.0	31.4

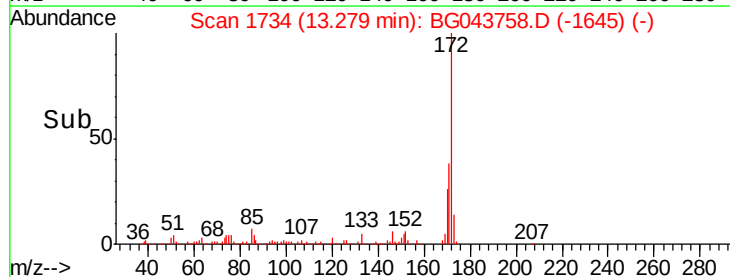
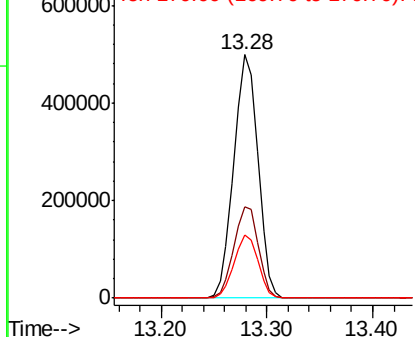


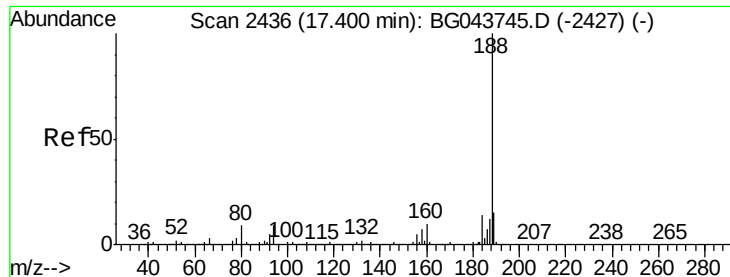
Abundance

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: 17.40 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG043758.D

Acq: 23 Nov 2019 16:23

Instrument :

BNA_G

ClientSampleId :

PB124977TB

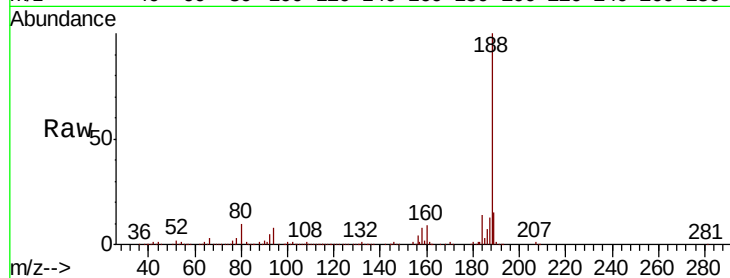
Tot Ion:188 Resp: 468581

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

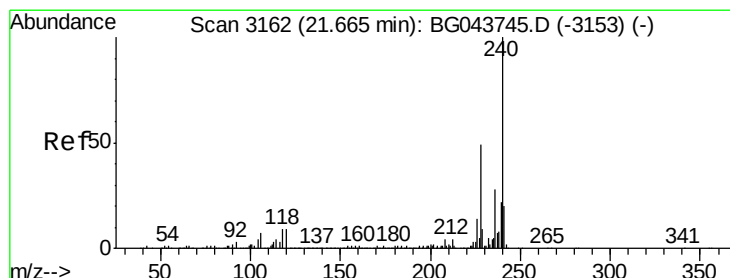
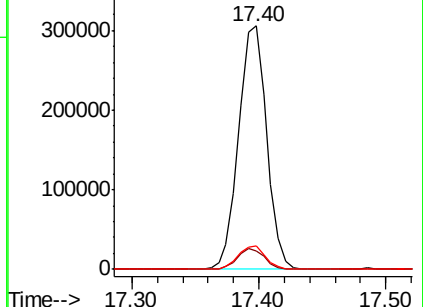
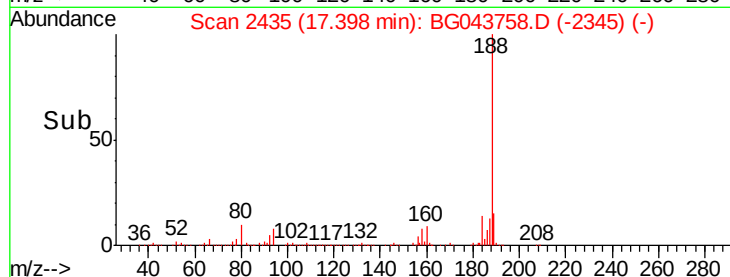
80 9.7 7.5 11.3



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: 21.66 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG043758.D

Acq: 23 Nov 2019 16:23

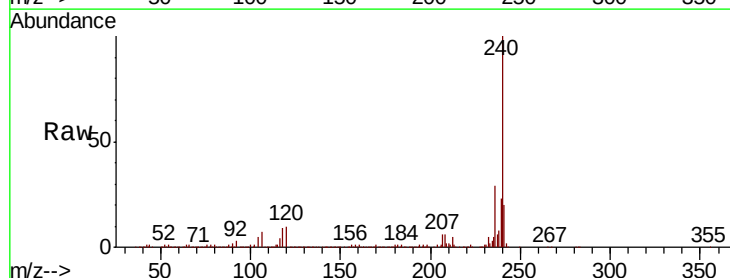
Tgt Ion:240 Resp: 647419

Ion Ratio Lower Upper

240 100

120 9.5 7.5 11.3

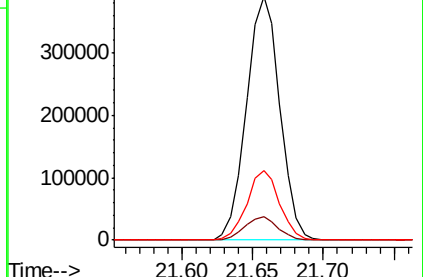
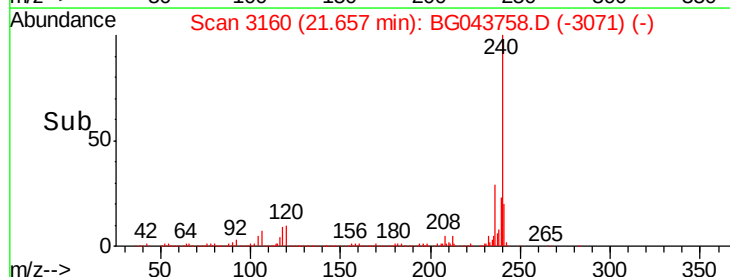
236 28.8 22.6 34.0

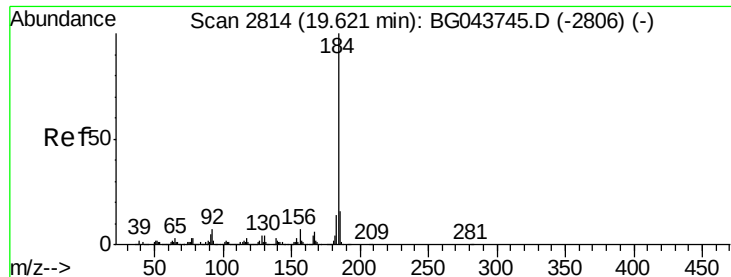


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.783 ng

RT: 19.62 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG043758.D

Acq: 23 Nov 2019 16:23

Instrument :

BNA_G

ClientSampleId :

PB124977TB

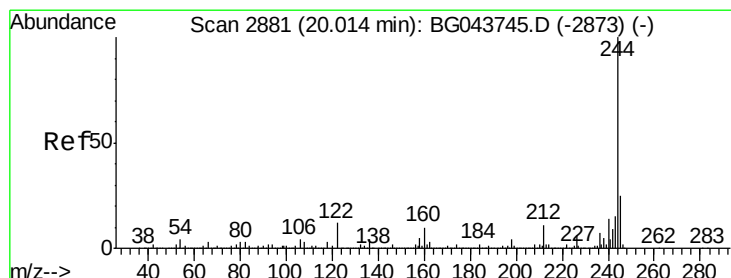
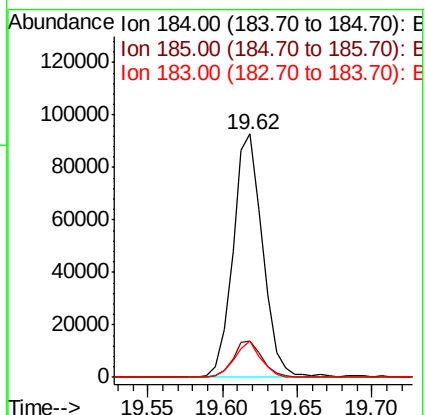
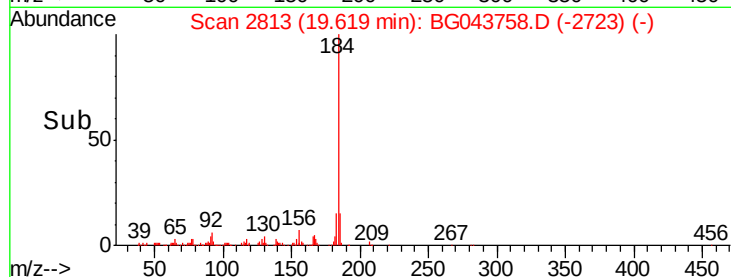
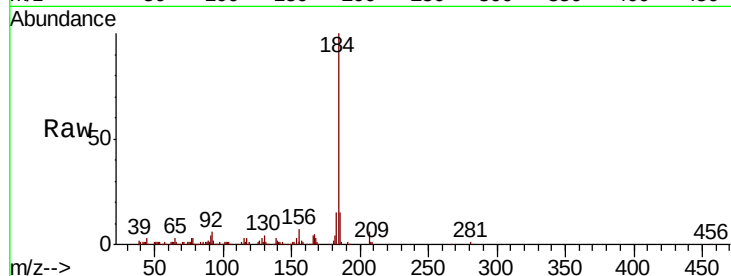
Tot Ion:184 Resp: 128282

Ion Ratio Lower Upper

184 100

185 14.8 12.8 19.2

183 14.9 11.3 16.9



#79

Terphenyl-d14

Concen: 84.850 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043758.D

Acq: 23 Nov 2019 16:23

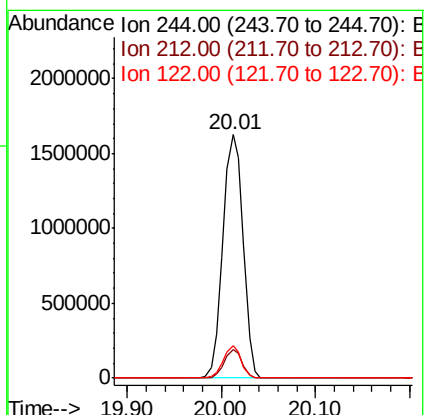
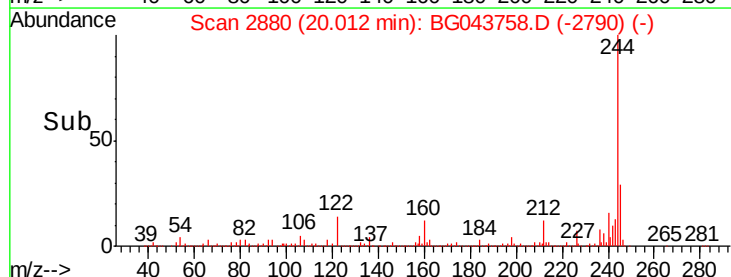
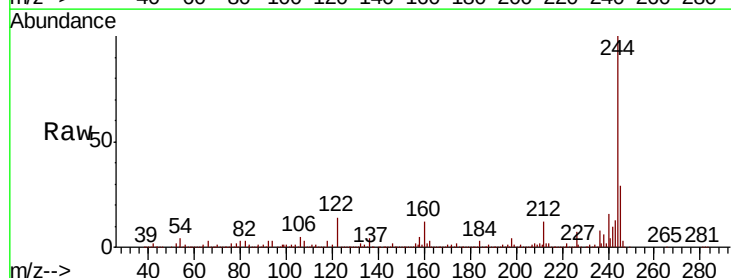
Tgt Ion:244 Resp: 2431073

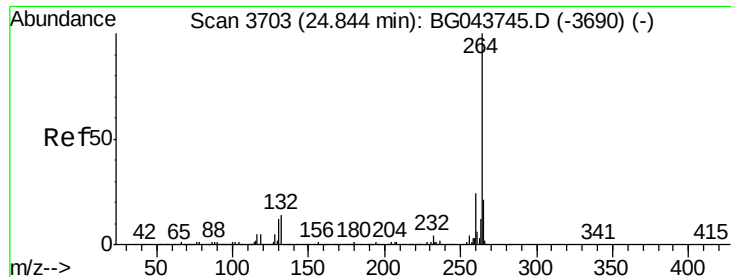
Ion Ratio Lower Upper

244 100

212 11.9 8.5 12.7

122 13.5 9.5 14.3





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: BG043758.D
 Acq: 23 Nov 2019 16:23

Instrument :
 BNA_G
 ClientSampleId :
 PB124977TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.5	17.0	25.6

