

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042507.D
 Acq On : 27 Aug 2019 16:56
 Operator : HP/JU
 Sample : K4086-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619

Quant Time: Aug 28 05:13:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

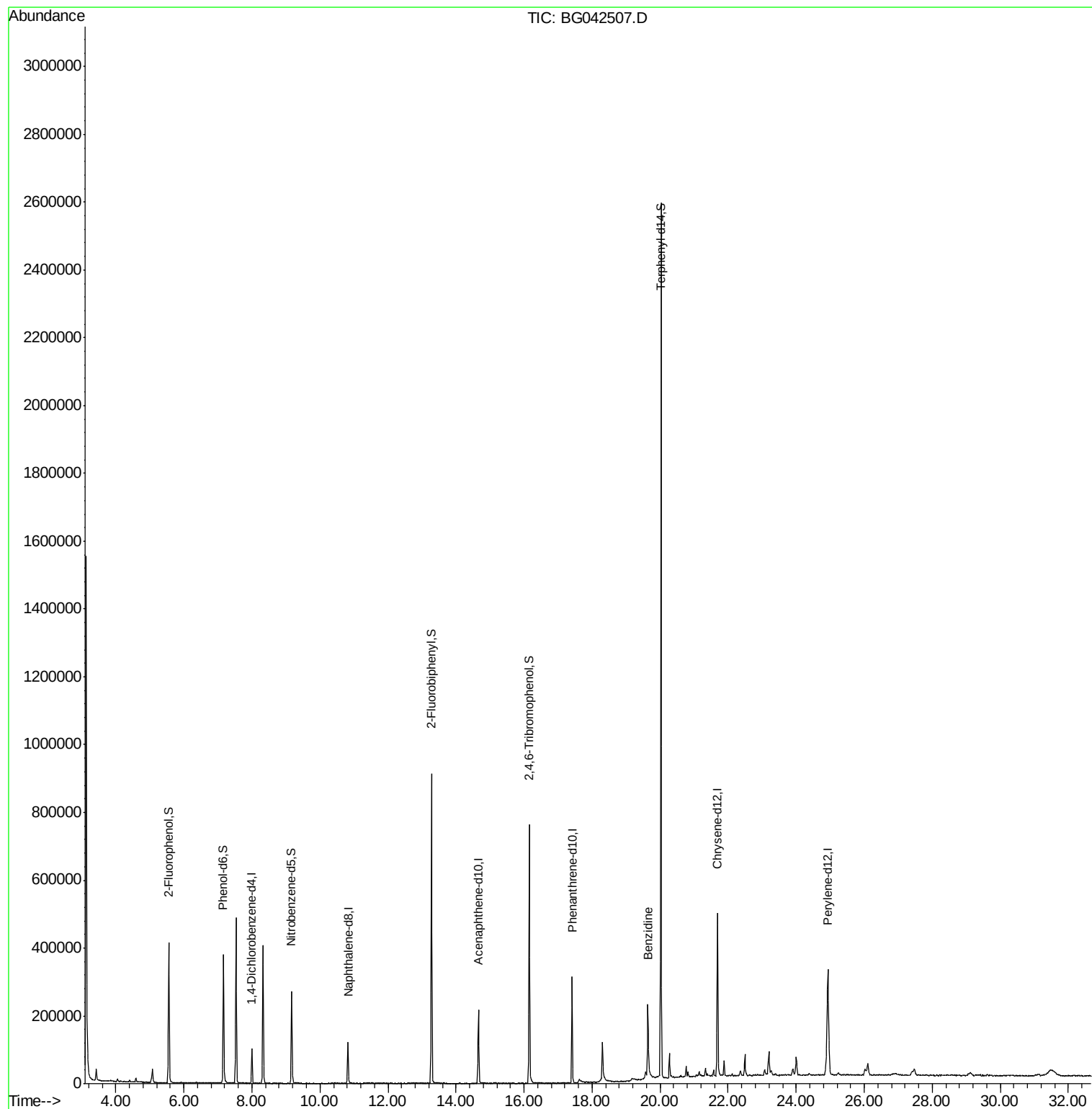
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33694	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	124140	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	88817	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	219034	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	309307	20.00	ng	-0.01
87) Perylene-d12	24.93	264	366416	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	220915	132.79	ng	0.00
7) Phenol-d6	7.16	99	264669	117.78	ng	-0.01
23) Nitrobenzene-d5	9.16	82	183029	101.89	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	191901	152.01	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	545970	103.97	ng	0.00
79) Terphenyl-d14	20.02	244	1277162	89.27	ng	0.00
Target Compounds						
77) Benzidine	19.64	184	192109	21.663	ng	Qvalue 99

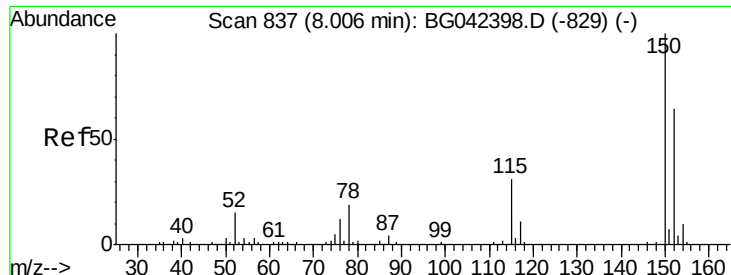
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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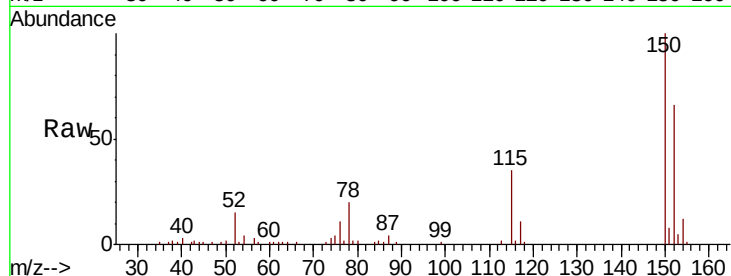


#1

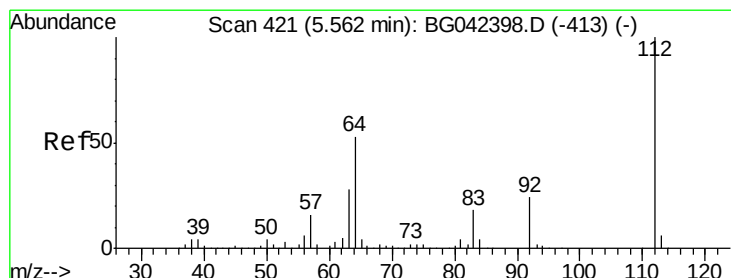
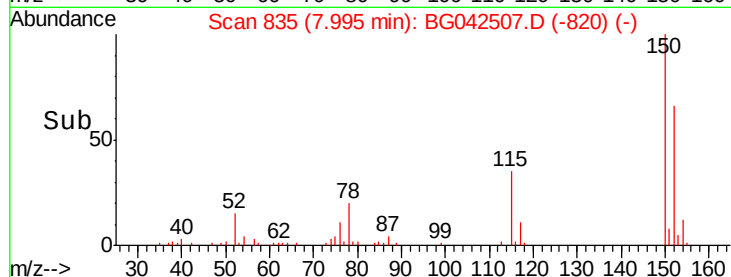
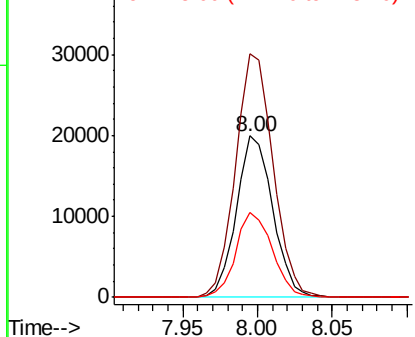
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :
NB-07-082619

Tot Ion:152 Resp: 33694
Ion Ratio Lower Upper
152 100
150 150.7 125.4 188.0
115 52.2 38.5 57.7



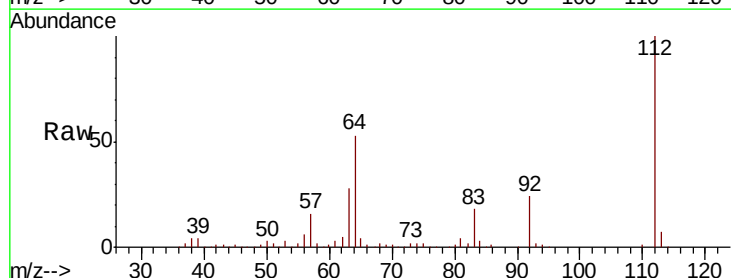
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



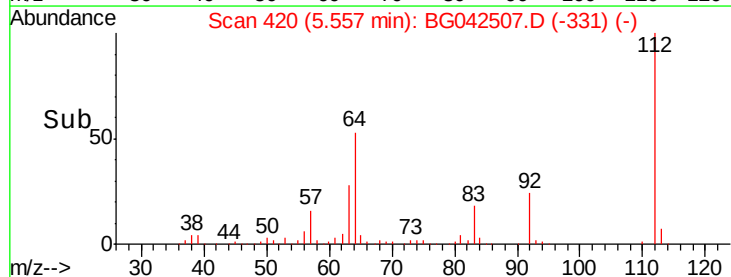
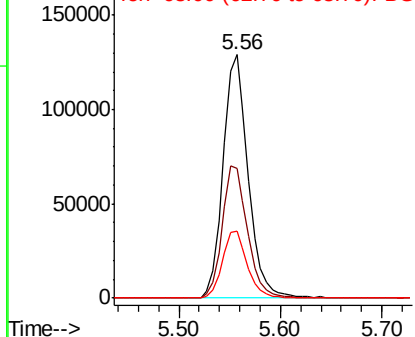
#5

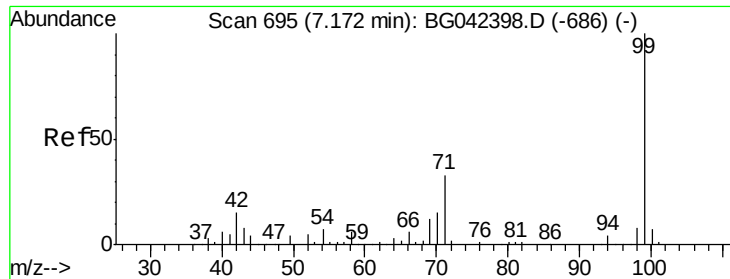
2-Fluorophenol
Concen: 132.788 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:112 Resp: 220915
Ion Ratio Lower Upper
112 100
64 53.3 42.8 64.2
63 27.7 22.7 34.1



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: 117.776 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

NB-07-082619

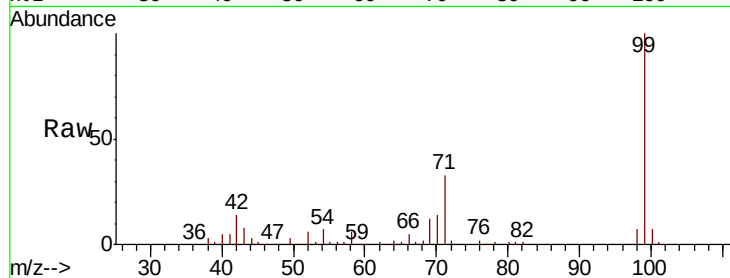
Tot Ion: 99 Resp: 264669

Ion Ratio Lower Upper

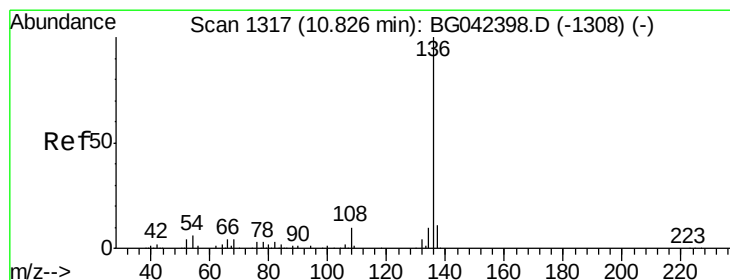
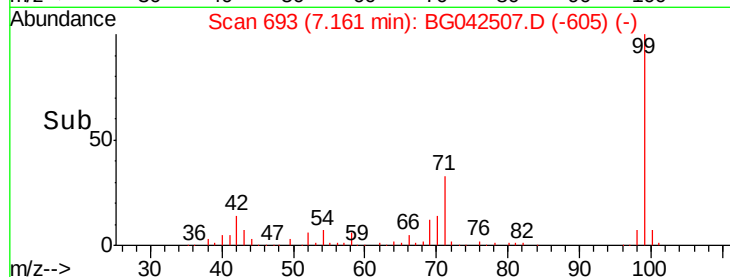
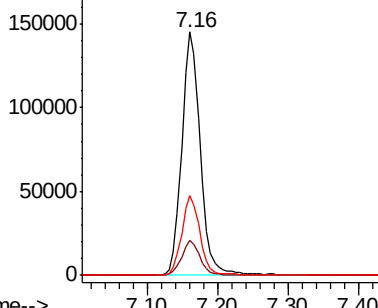
99 100

42 14.2 12.0 18.0

71 32.7 26.3 39.5



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: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Tgt Ion: 136 Resp: 124140

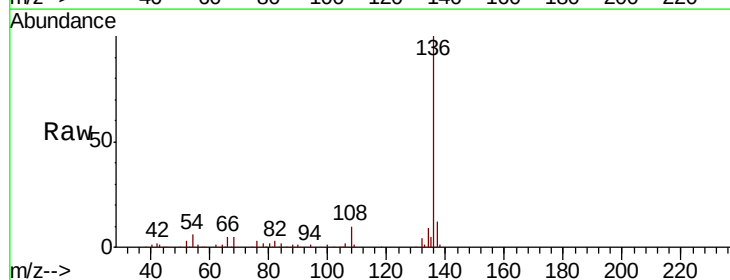
Ion Ratio Lower Upper

136 100

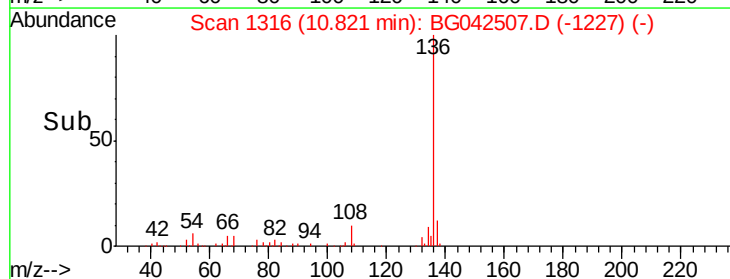
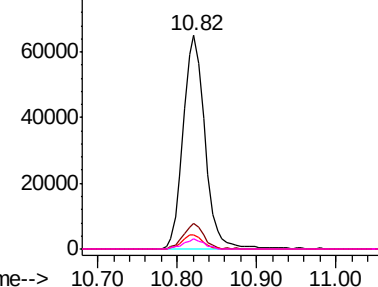
137 11.9 8.7 13.1

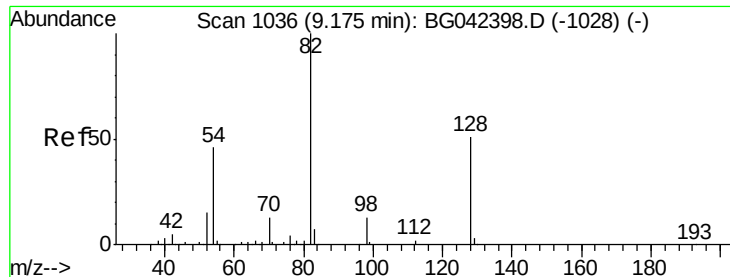
54 6.4 4.9 7.3

68 4.6 3.6 5.4



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

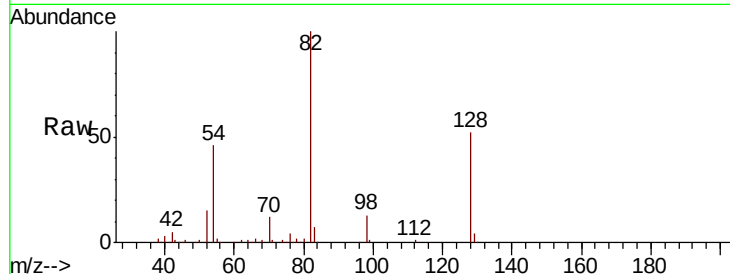




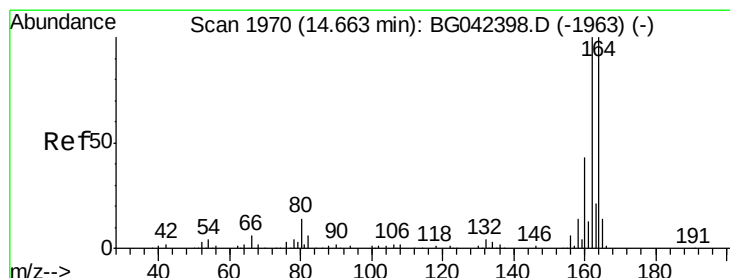
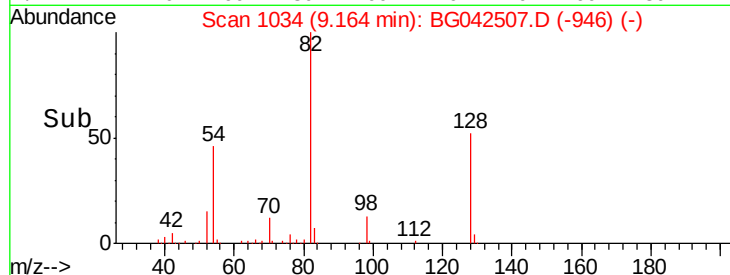
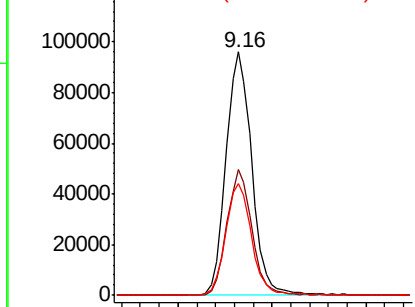
#23
Nitrobenzene-d5
Concen: 101.885 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :
NB-07-082619

Tot Ion: 82 Resp: 183029
Ion Ratio Lower Upper
82 100
128 51.8 40.7 61.1
54 45.7 36.3 54.5

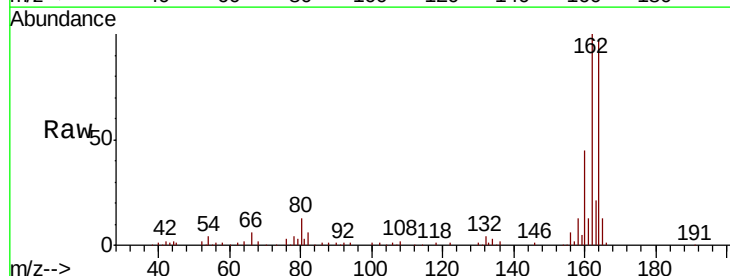


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

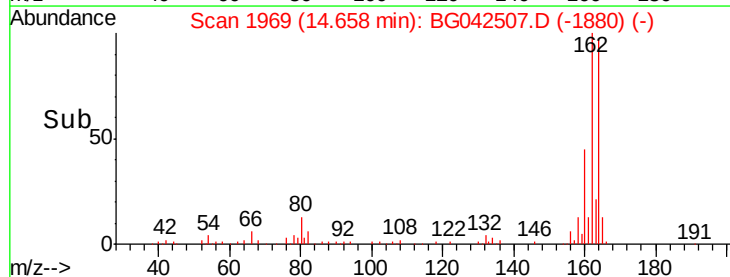
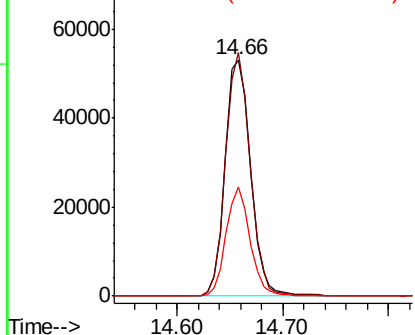


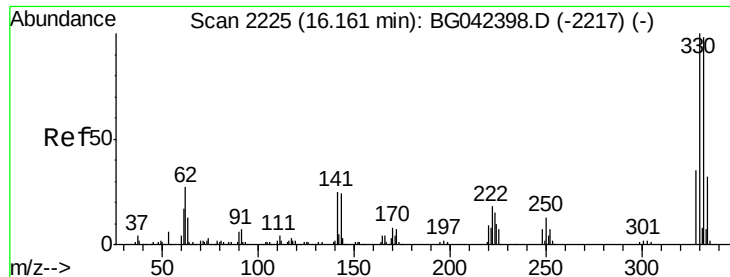
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion:164 Resp: 88817
Ion Ratio Lower Upper
164 100
162 103.2 79.9 119.9
160 46.5 34.3 51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 152.014 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

NB-07-082619

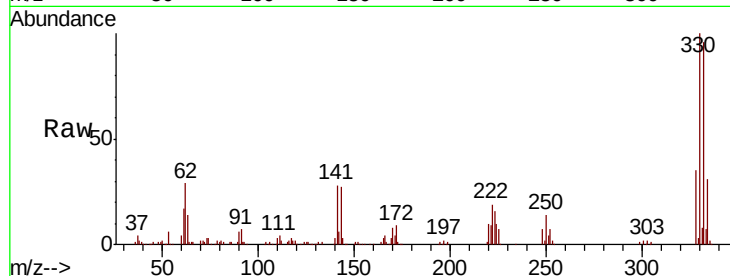
Tot Ion:330 Resp: 191901

Ion Ratio Lower Upper

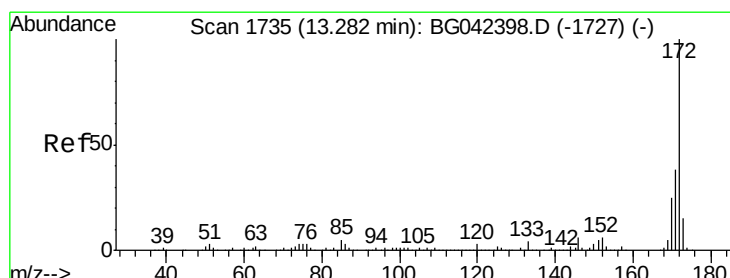
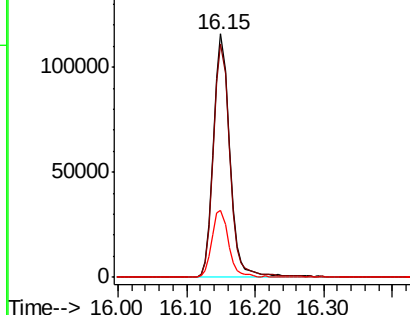
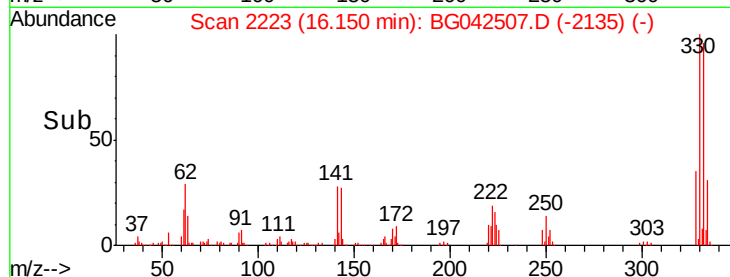
330 100

332 96.7 77.4 116.0

141 28.4 21.4 32.0



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: 103.966 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

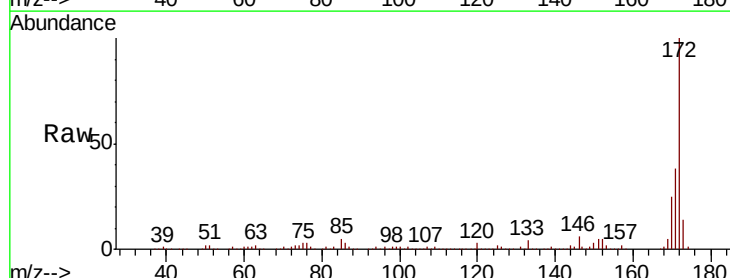
Tgt Ion:172 Resp: 545970

Ion Ratio Lower Upper

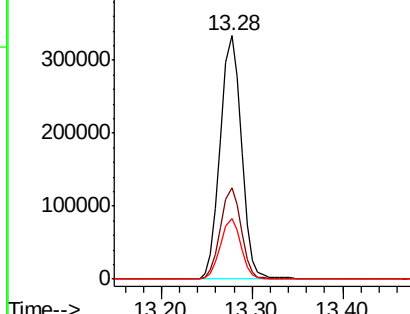
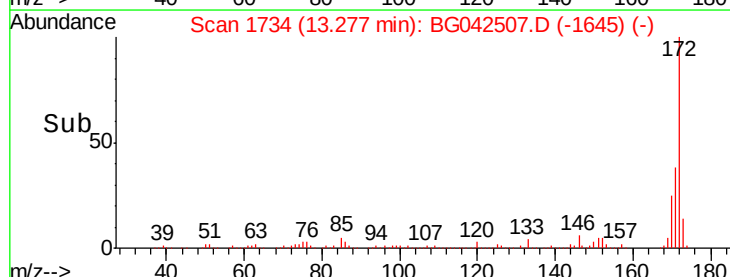
172 100

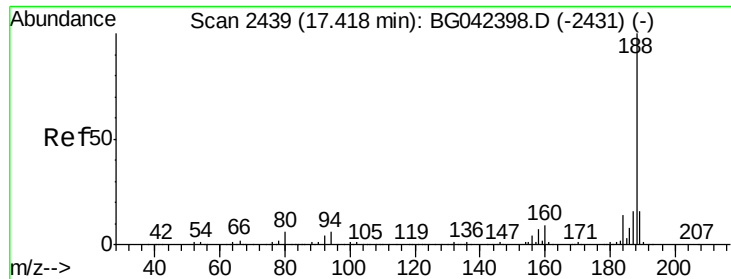
171 37.7 30.5 45.7

170 24.7 20.2 30.2



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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

NB-07-082619

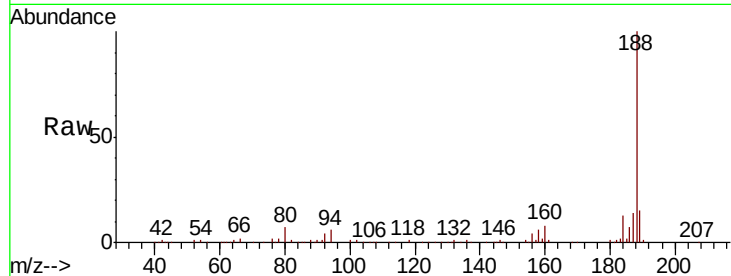
Tot Ion:188 Resp: 219034

Ion Ratio Lower Upper

188 100

94 5.9 4.5 6.7

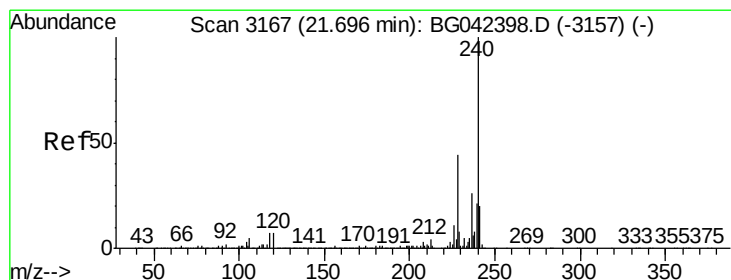
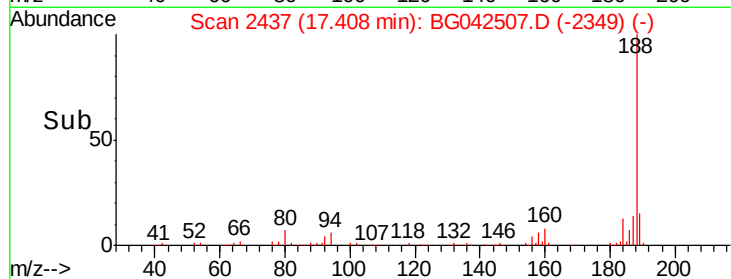
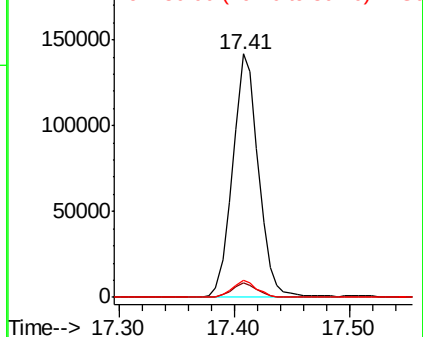
80 6.8 4.9 7.3



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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

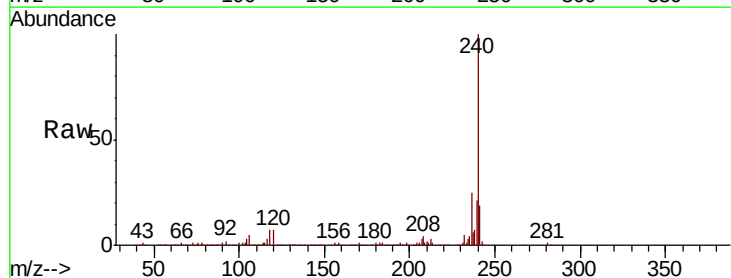
Tgt Ion:240 Resp: 309307

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

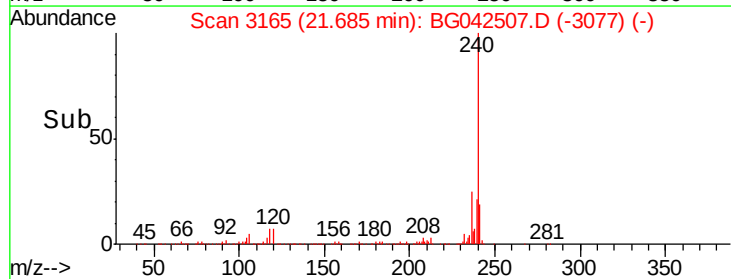
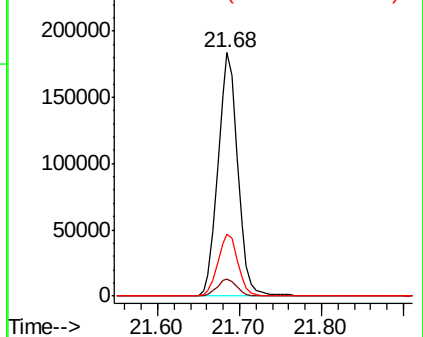
236 25.4 21.0 31.4

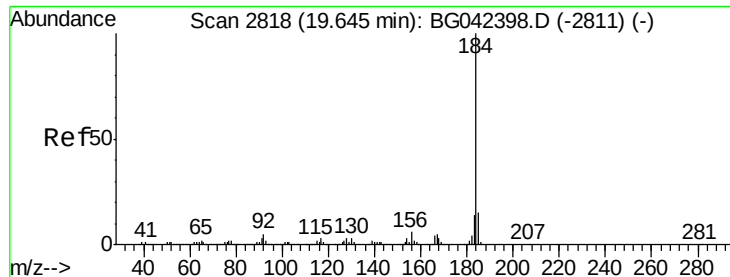


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 21.663 ng

RT: 19.64 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

NB-07-082619

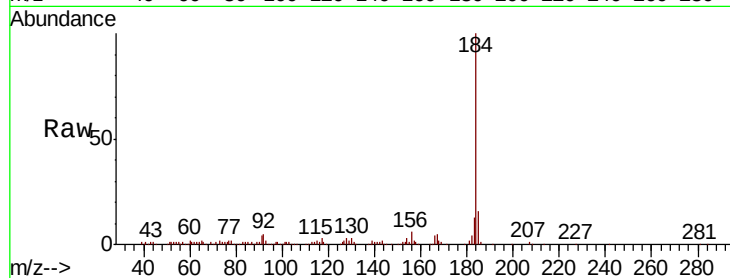
Tot Ion:184 Resp: 192109

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.4

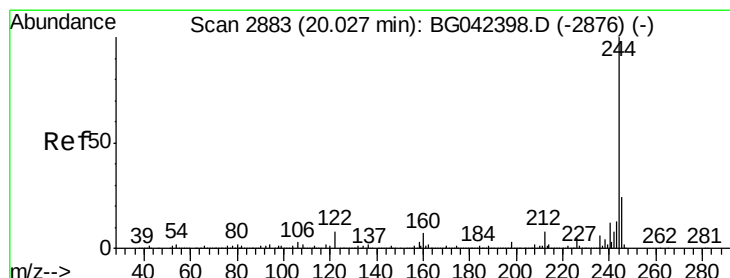
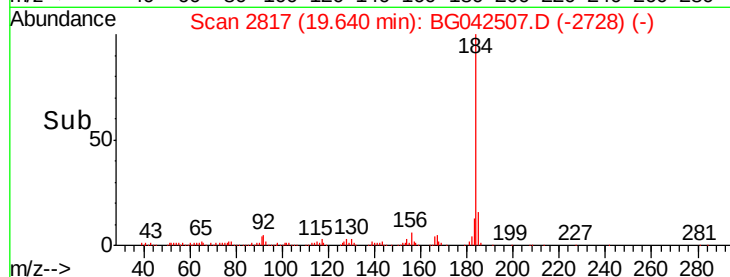
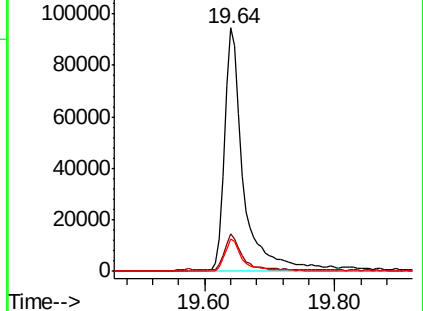
183 13.3 10.8 16.2



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: 89.268 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

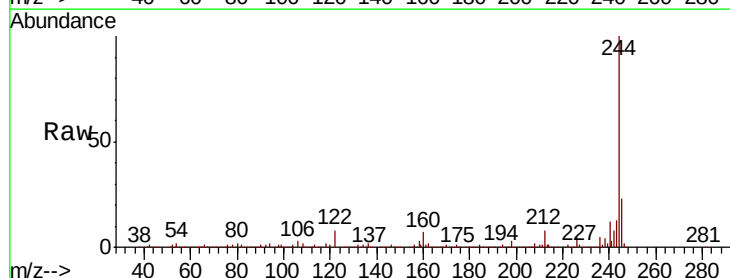
Tgt Ion:244 Resp: 1277162

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

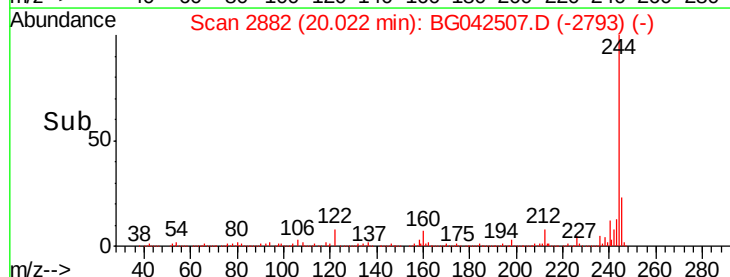
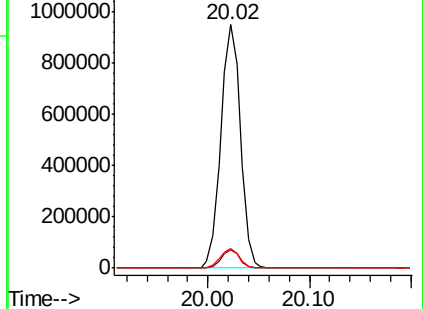
122 8.2 6.7 10.1

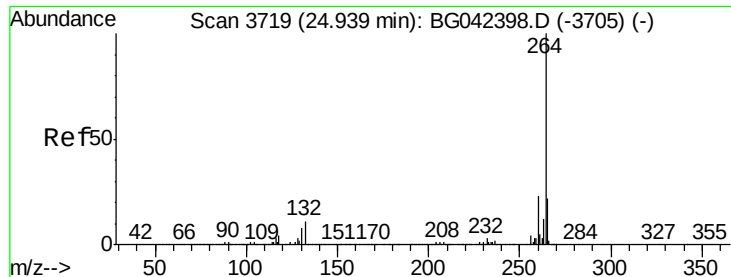


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.1	17.6	26.4

