

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042355.D
 Acq On : 20 Aug 2019 12:35
 Operator : HP/JU
 Sample : K4387-29
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T4-A1-A4-(0-2)

Quant Time: Aug 21 04:03:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	69787	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	269897	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	196459	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	451816	20.00	ng	0.00
76) Chrysene-d12	21.69	240	464971	20.00	ng	0.00
87) Perylene-d12	24.93	264	533931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	437048	126.89	ng	0.00
7) Phenol-d6	7.17	99	539135	115.25	ng	0.00
23) Nitrobenzene-d5	9.17	82	373640	97.37	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	375139	140.20	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1106924	95.34	ng	0.00
79) Terphenyl-d14	20.03	244	1965771	92.60	ng	0.00

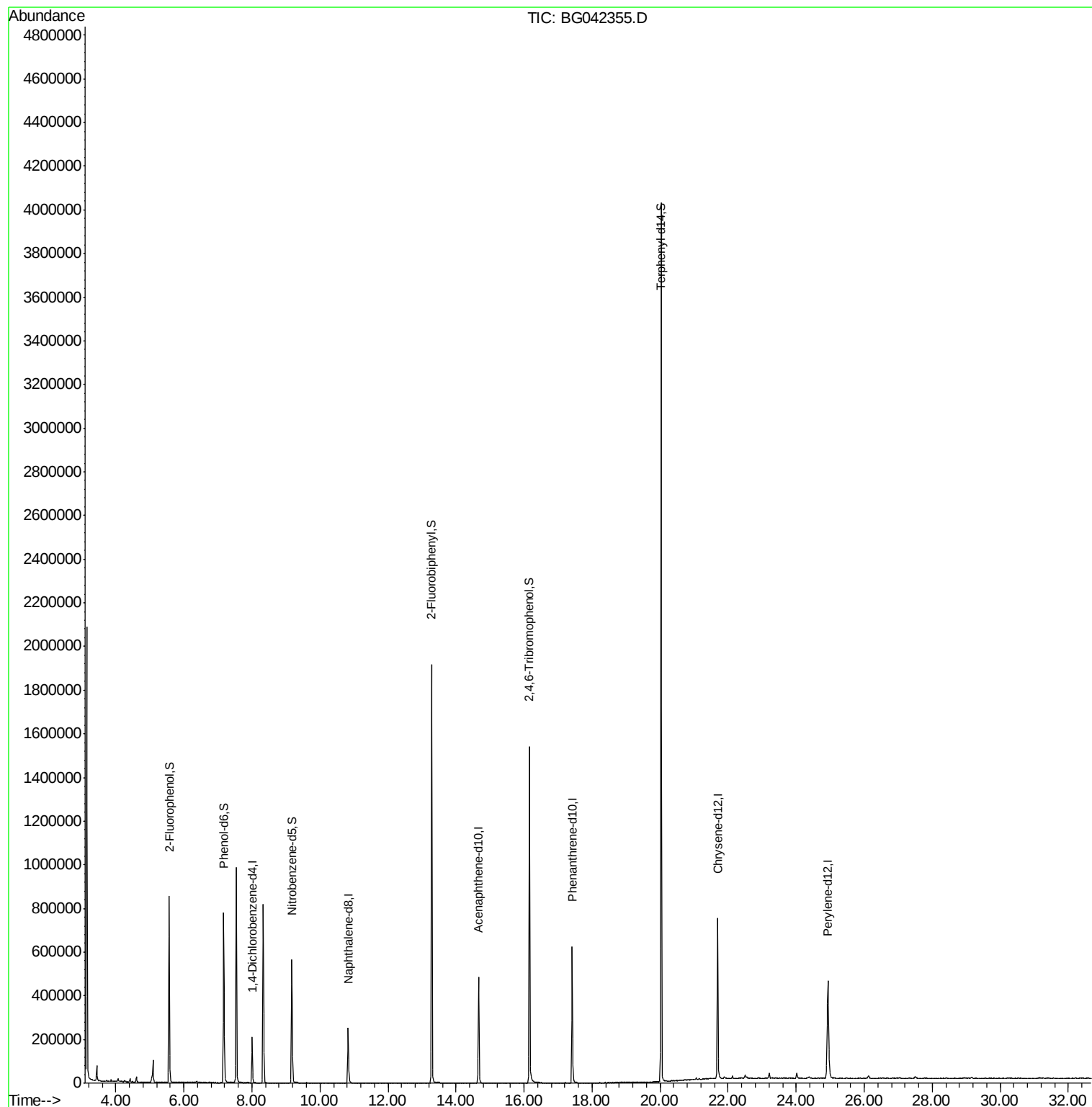
Target Compounds Qvalue

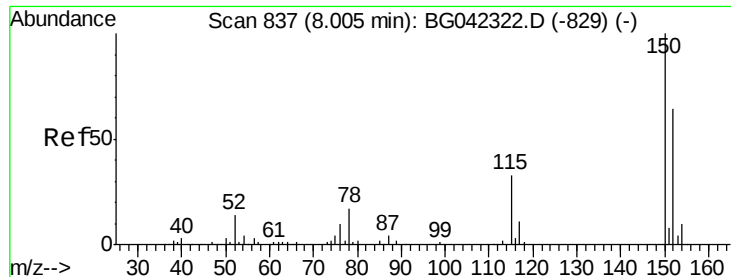
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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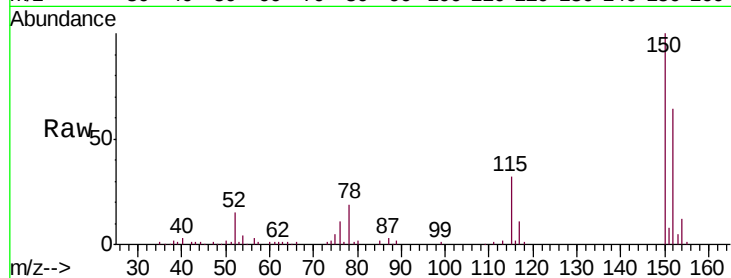


#1

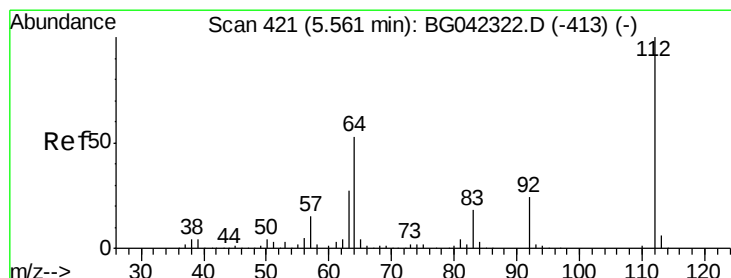
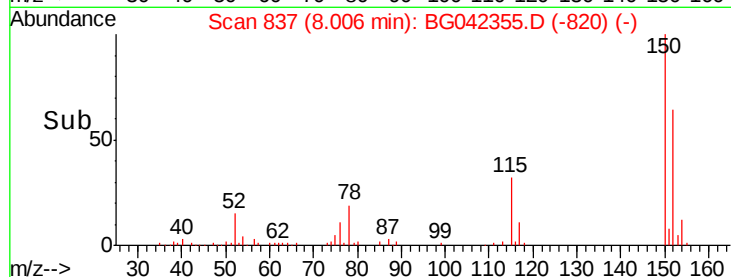
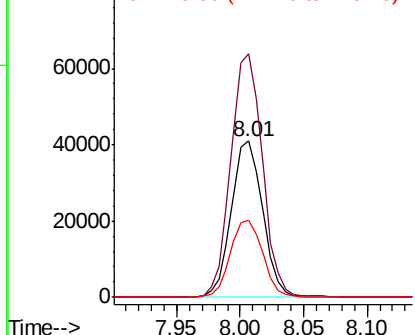
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

Instrument :
BNA_G
ClientSampleId :
T4-A1-A4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.3	186.5
115	49.8	40.5	60.7



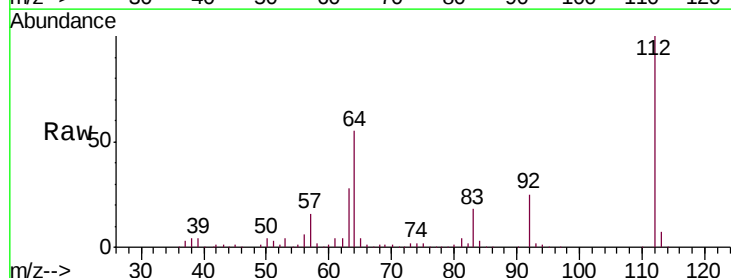
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



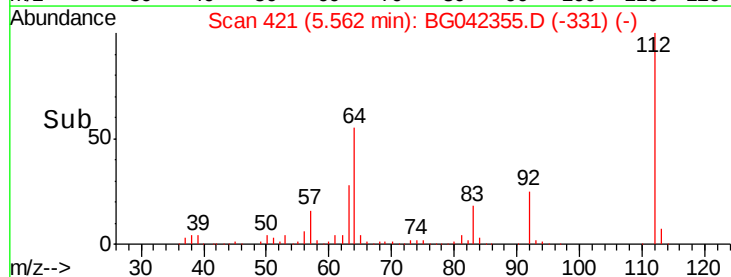
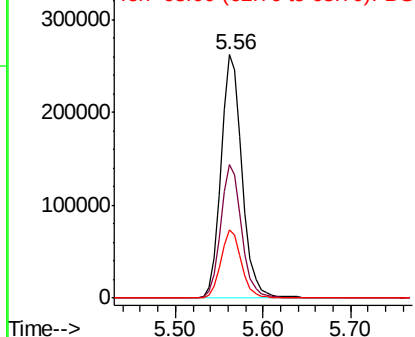
#5

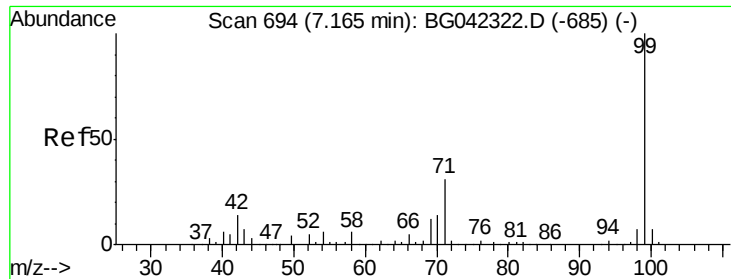
2-Fluorophenol
Concen: 126.886 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	42.5	63.7
63	28.3	21.7	32.5



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: 115.251 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

T4-A1-A4-(0-2)

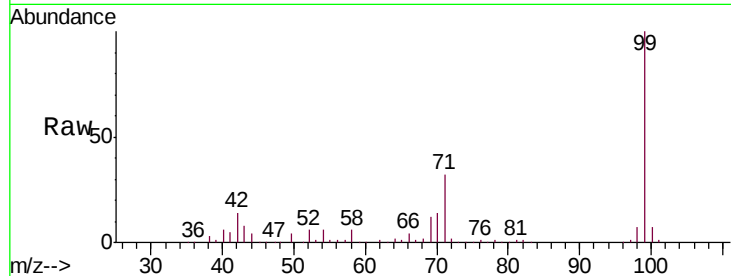
Tot Ion: 99 Resp: 539135

Ion Ratio Lower Upper

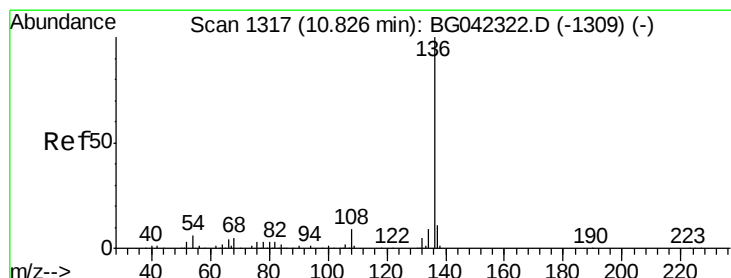
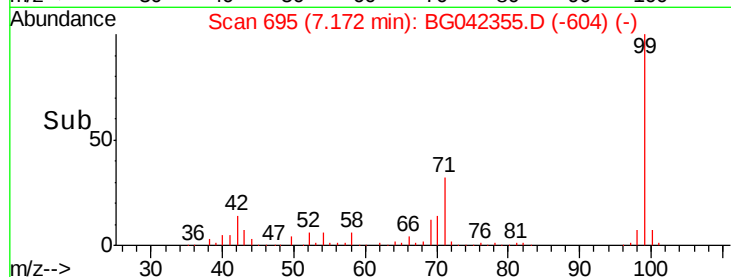
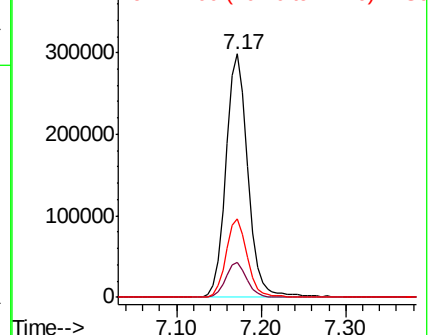
99 100

42 14.2 11.4 17.0

71 32.1 25.1 37.7



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: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Tgt Ion: 136 Resp: 269897

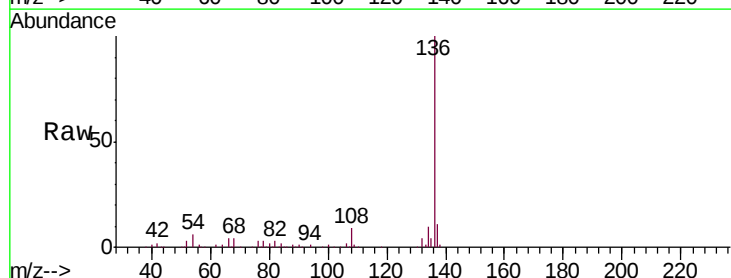
Ion Ratio Lower Upper

136 100

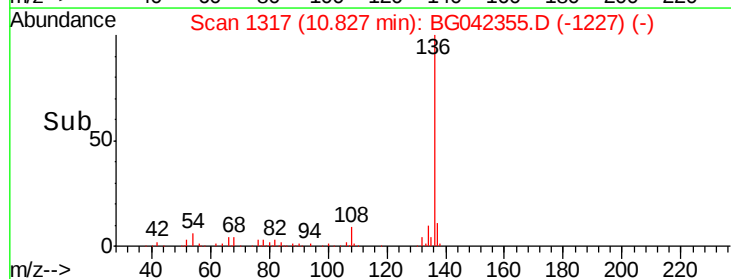
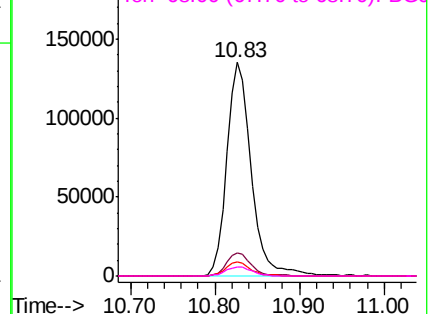
137 10.6 8.4 12.6

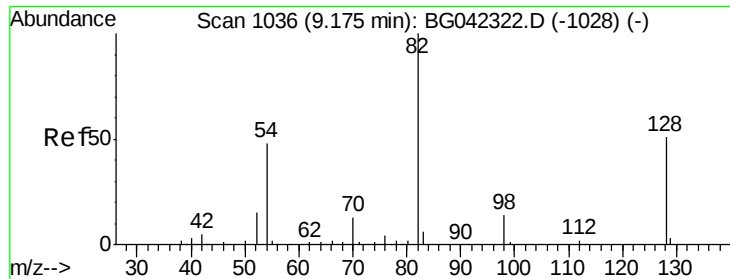
54 6.3 5.0 7.4

68 4.2 3.8 5.8



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

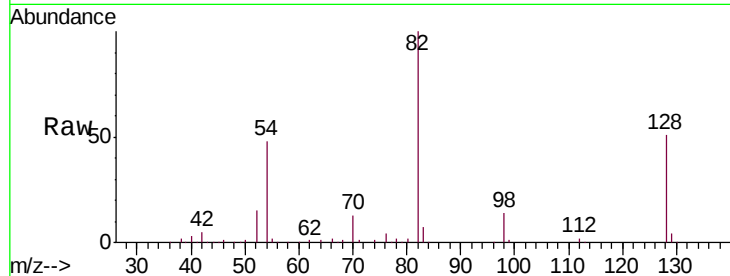




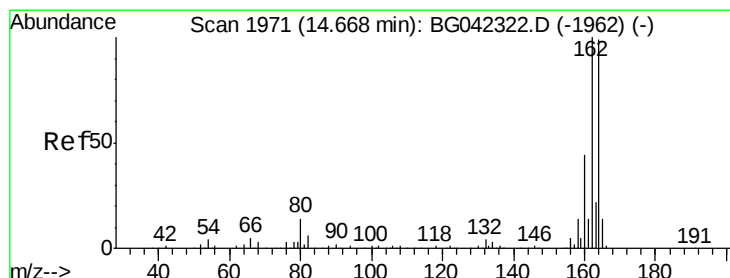
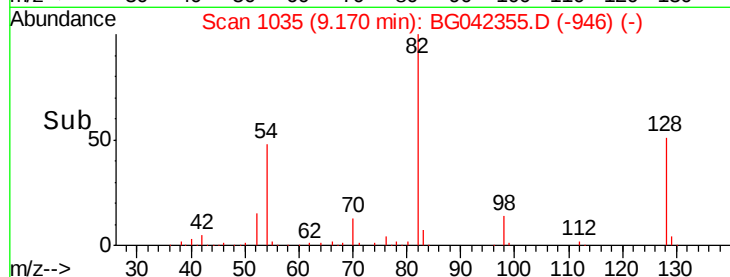
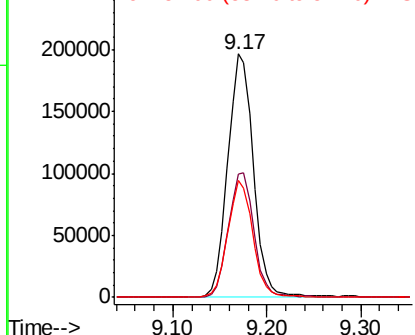
#23
 Nitrobenzene-d5
 Concen: 97.368 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042355.D
 Acq: 20 Aug 2019 12:35

Instrument :
 BNA_G
 ClientSampleId :
 T4-A1-A4-(0-2)

Tot Ion: 82 Resp: 373640
 Ion Ratio Lower Upper
 82 100
 128 50.5 41.0 61.4
 54 48.1 38.0 57.0

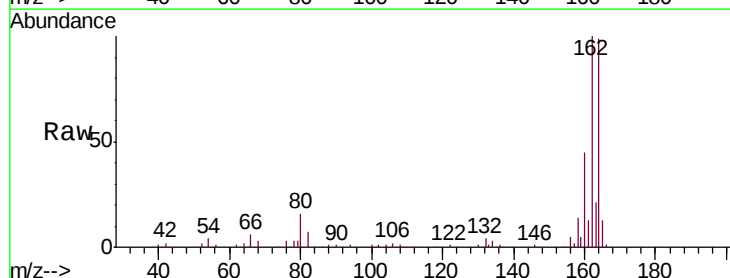


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

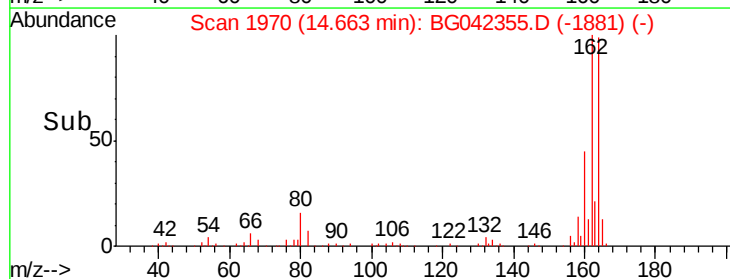
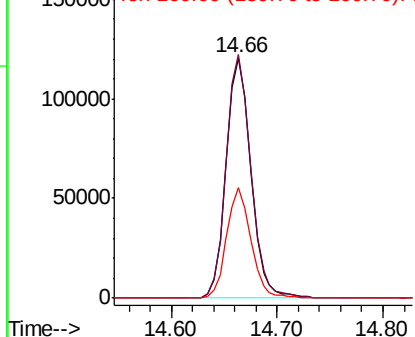


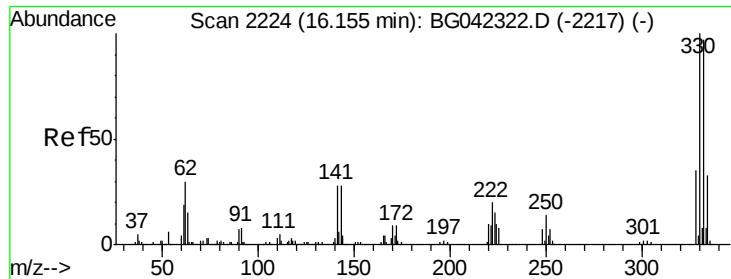
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG042355.D
 Acq: 20 Aug 2019 12:35

Tgt Ion:164 Resp: 196459
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.6 120.8
 160 46.0 35.7 53.5



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: 140.201 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

T4-A1-A4-(0-2)

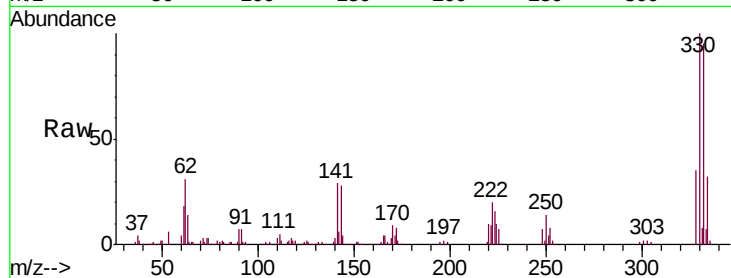
Tot Ion:330 Resp: 375139

Ion Ratio Lower Upper

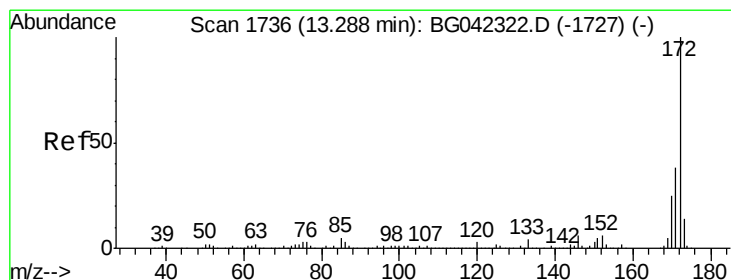
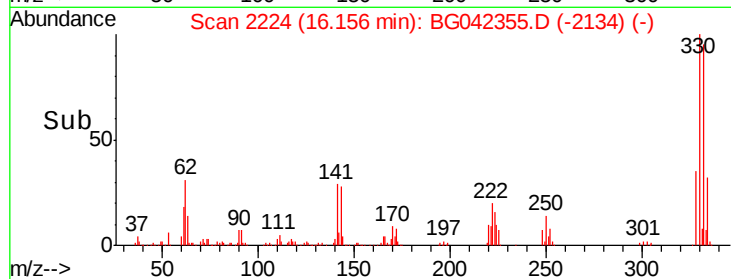
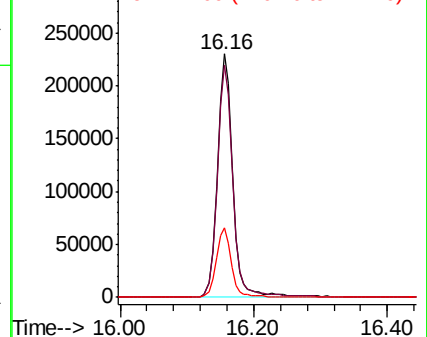
330 100

332 95.9 76.9 115.3

141 28.4 21.8 32.6



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: 95.343 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

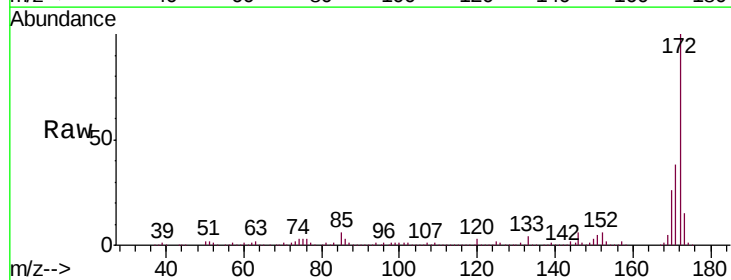
Tgt Ion:172 Resp: 1106924

Ion Ratio Lower Upper

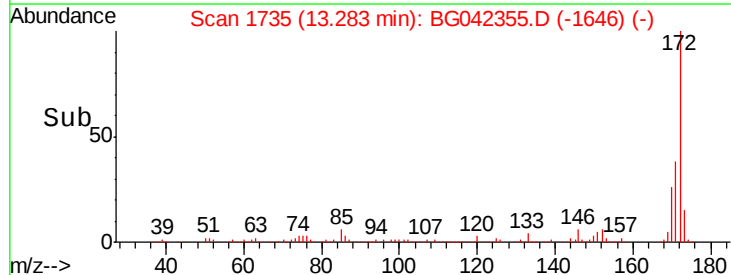
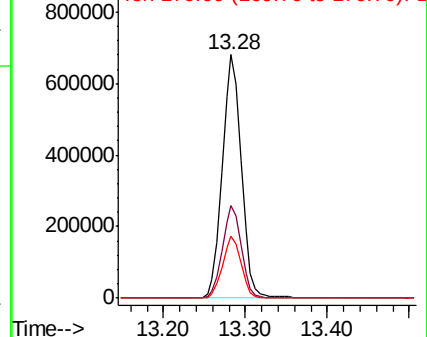
172 100

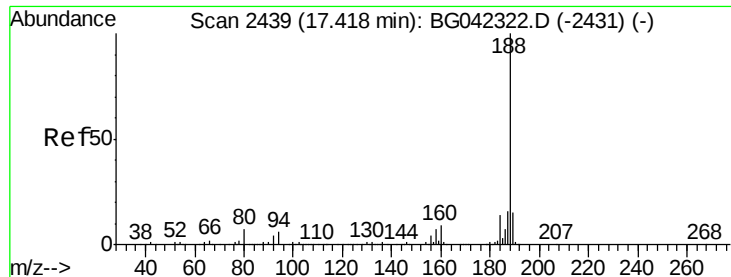
171 37.9 30.3 45.5

170 25.5 20.0 30.0



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# 2438

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

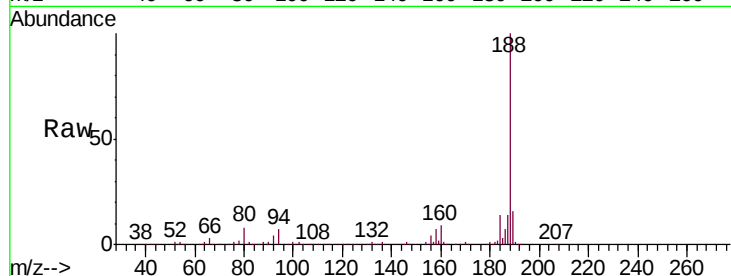
BNA_G

ClientSampleId :

T4-A1-A4-(0-2)

Tot Ion:188 Resp: 451816

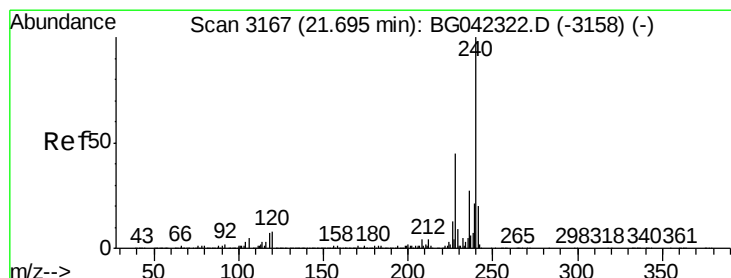
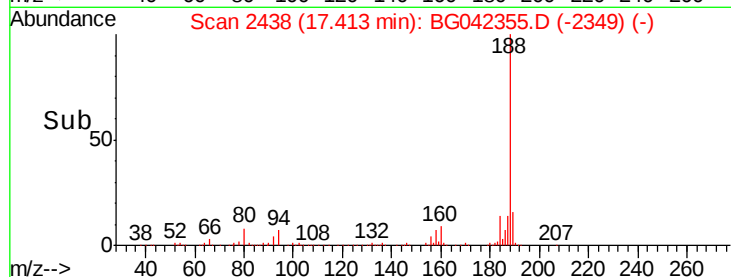
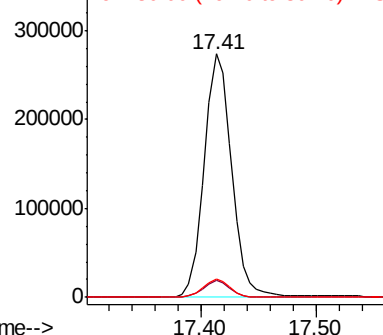
Ion	Ratio	Lower	Upper
188	100		
94	7.1	4.9	7.3
80	7.6	5.4	8.0



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: 21.69 min Scan# 3166

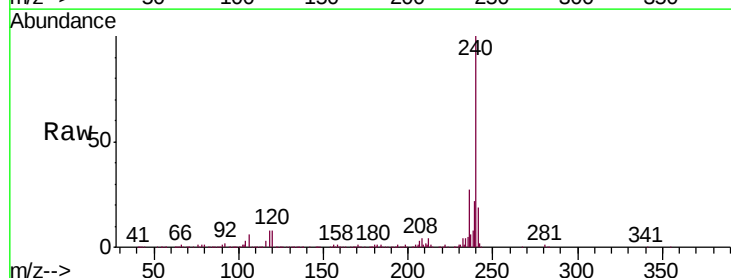
Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Tgt Ion:240 Resp: 464971

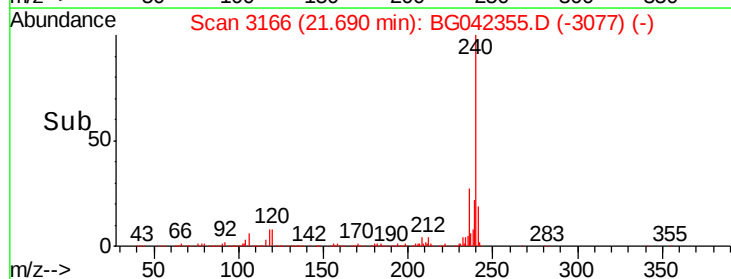
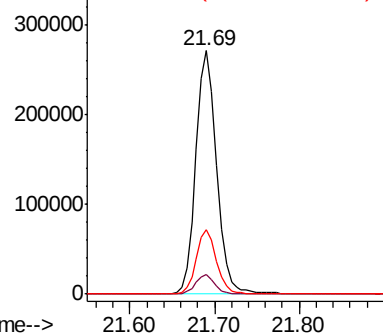
Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.0	9.0
236	26.7	21.6	32.4

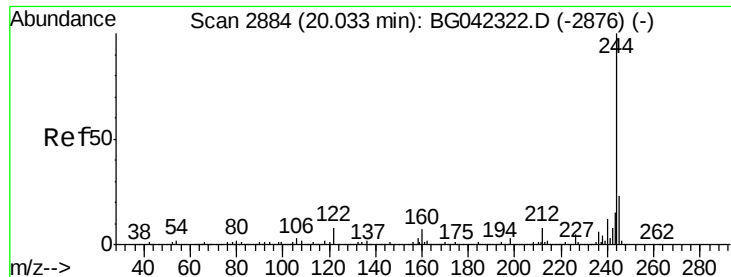


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 92.599 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

T4-A1-A4-(0-2)

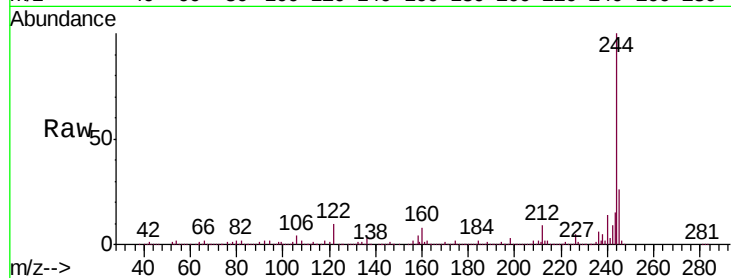
Tot Ion:244 Resp: 1965771

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

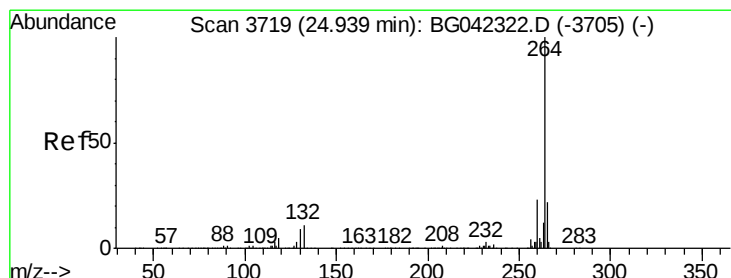
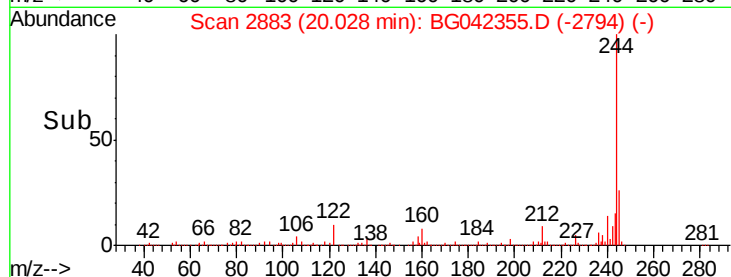
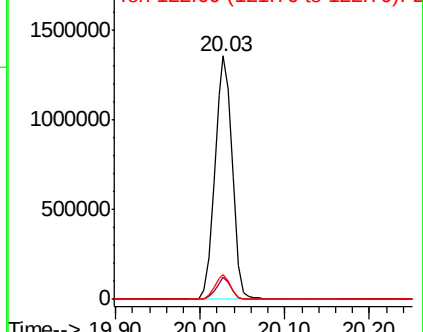
122 10.1 6.6 10.0#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

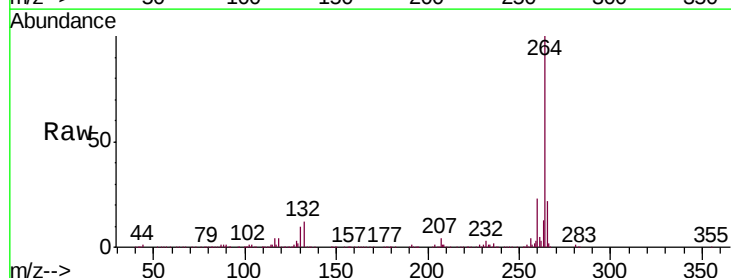
Tgt Ion:264 Resp: 533931

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 21.6 17.4 26.0



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

