

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082919\
 Data File : BG042587.D
 Acq On : 30 Aug 2019 5:10
 Operator : HP/JU
 Sample : K4095-16MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-082819

Quant Time: Aug 30 06:43:40 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	36067	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	132308	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	99009	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	234134	20.00	ng	0.00
76) Chrysene-d12	21.68	240	256103	20.00	ng	-0.01
87) Perylene-d12	24.93	264	303437	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	233069	130.88	ng	0.00
7) Phenol-d6	7.17	99	279372	116.14	ng	0.00
23) Nitrobenzene-d5	9.17	82	191739	100.14	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	221117	157.13	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	605847	103.49	ng	0.00
79) Terphenyl-d14	20.02	244	1220058	102.99	ng	0.00

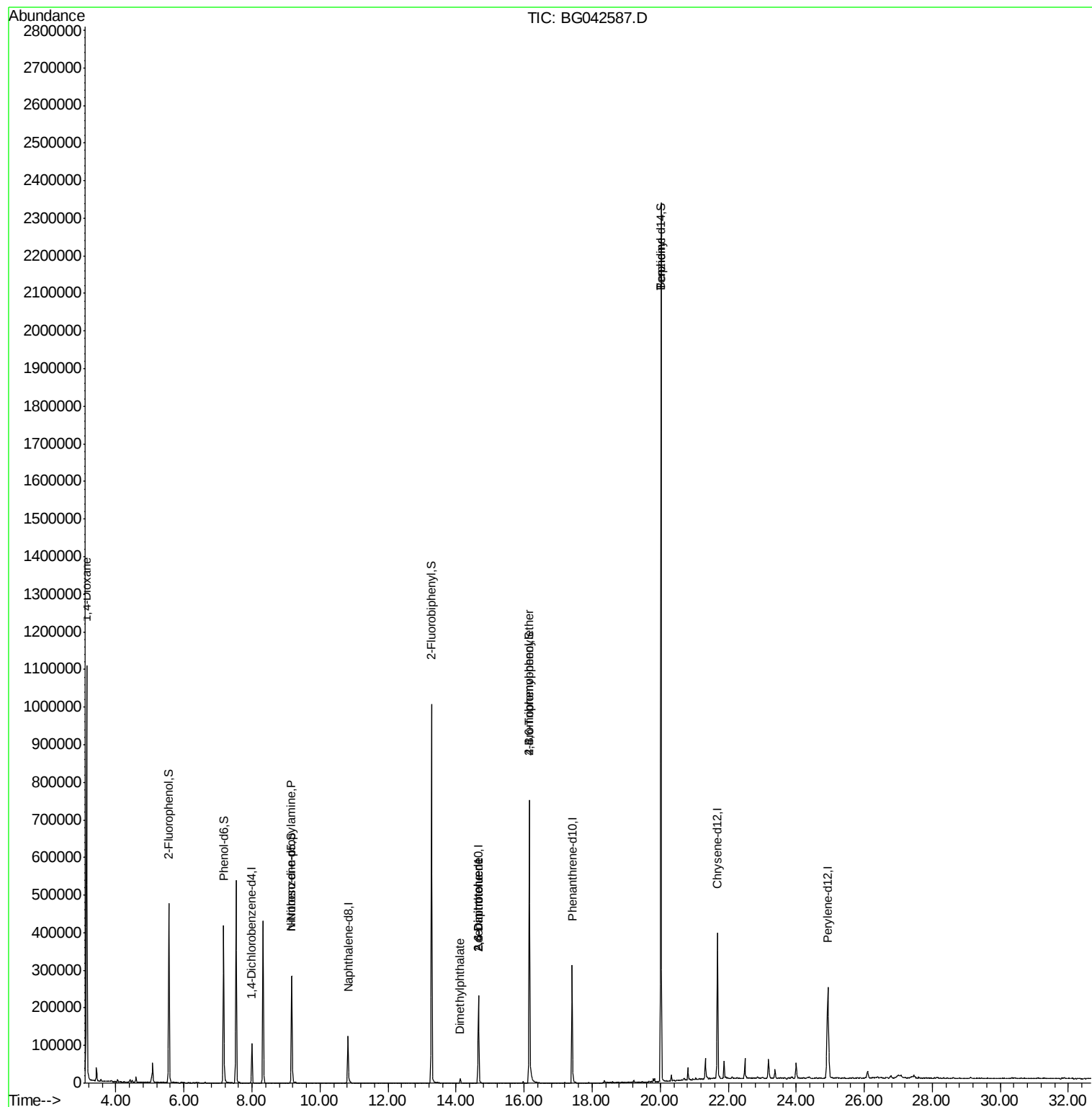
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	12525	16.853	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	25065	16.084	ng	# 78
50) Dimethylphthalate	14.12	163	15768	2.207	ng	# 97
51) 2,6-Dinitrotoluene	14.66	165	13180	7.959	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13180	5.558	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	14777	4.976	ng	# 1
77) Benzidine	20.02	184	15864	2.161	ng	# 90

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

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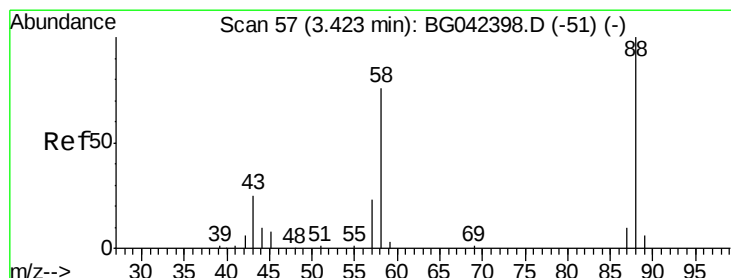
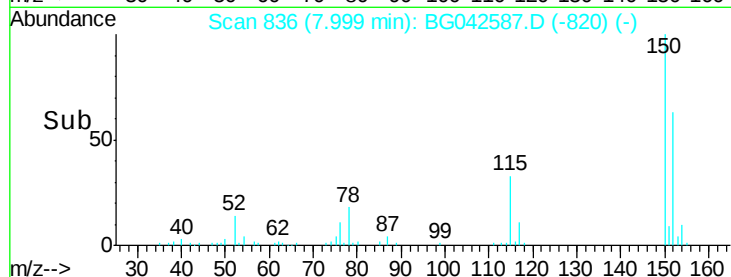
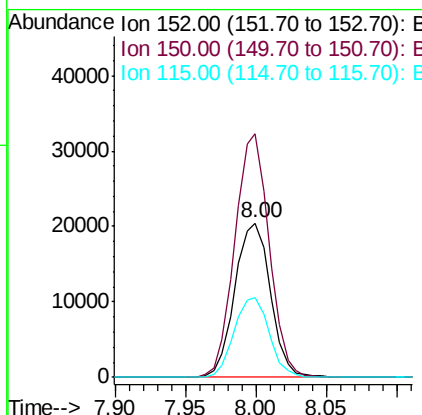
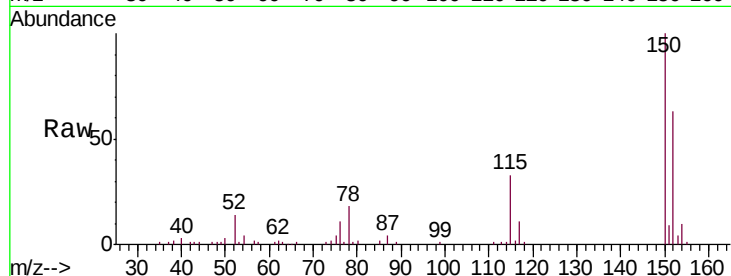


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Instrument :
BNA_G
ClientSampleId :
SU-01-082819

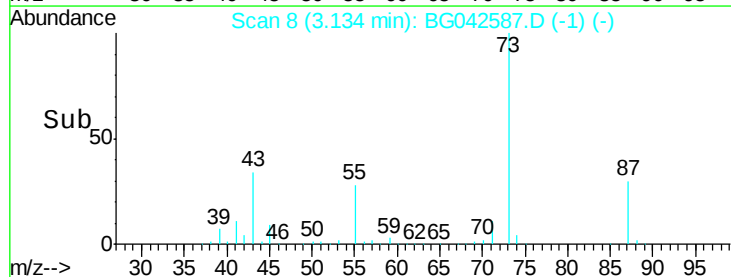
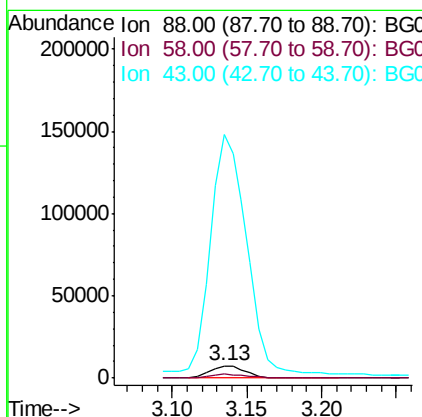
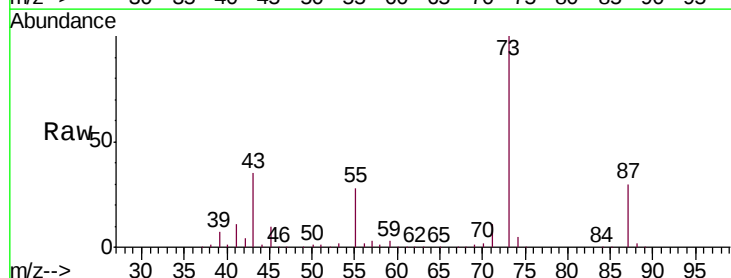
Tgt Ion:152 Resp: 36067
Ion Ratio Lower Upper
152 100
150 157.6 125.4 188.0
115 51.4 38.5 57.7

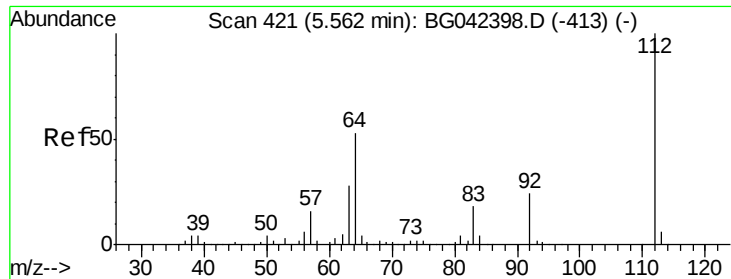


#2

1,4-Dioxane
Concen: 16.853 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Tgt Ion: 88 Resp: 12525
Ion Ratio Lower Upper
88 100
58 26.9 58.3 87.5#
43 1967.4 20.2 30.2#

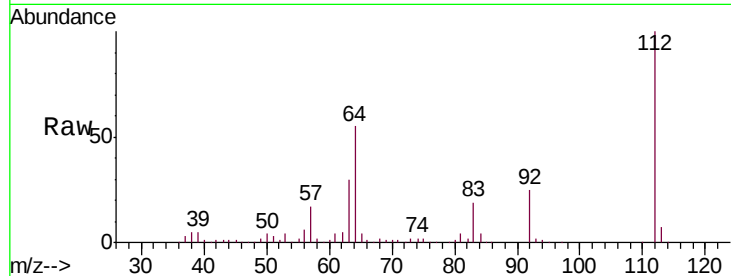




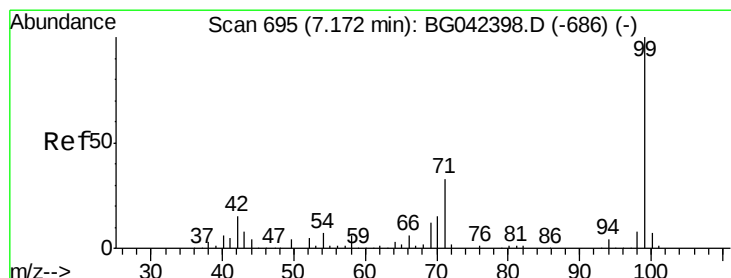
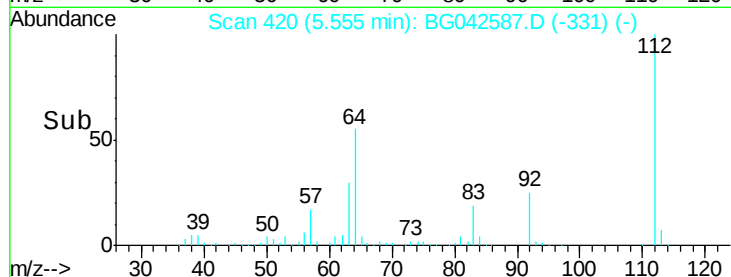
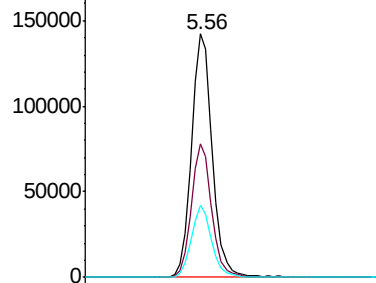
#5
 2-Fluorophenol
 Concen: 130.877 ng
 RT: 5.56 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-082819

Tgt Ion:	112	Resp:	233069
Ion	Ratio	Lower	Upper
112	100		
64	54.9	42.8	64.2
63	29.7	22.7	34.1

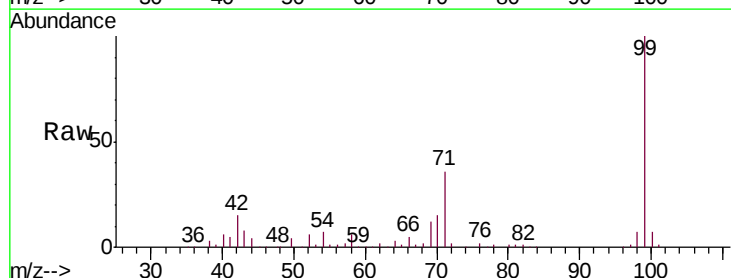


Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC

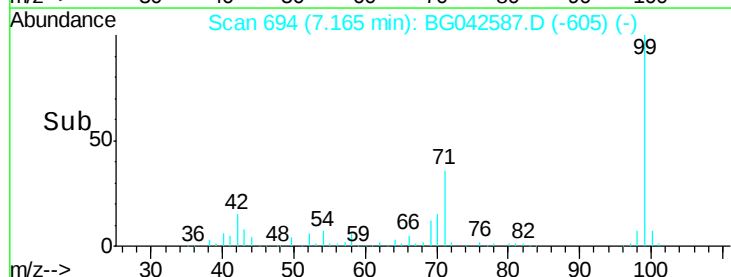
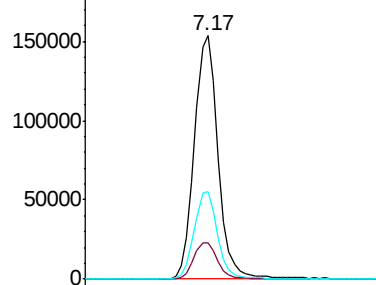


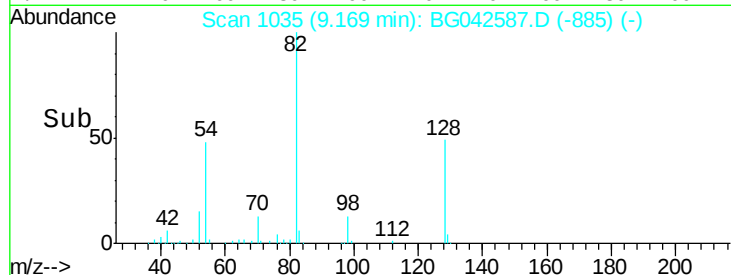
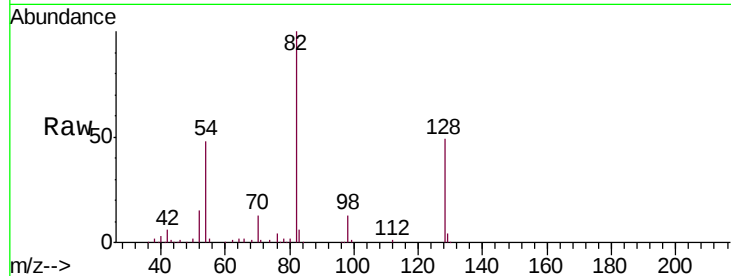
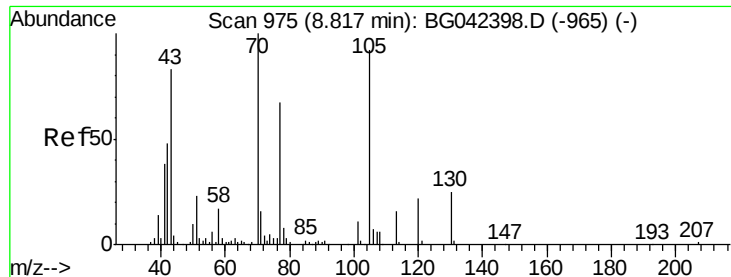
#7
 Phenol-d6
 Concen: 116.139 ng
 RT: 7.17 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

Tgt Ion:	99	Resp:	279372
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.0	18.0
71	35.8	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

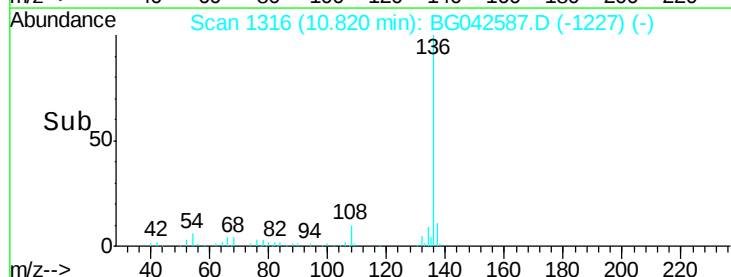
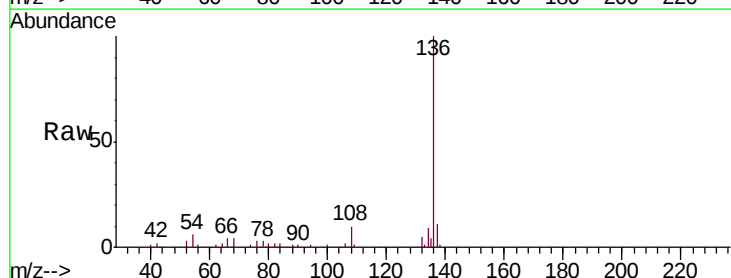
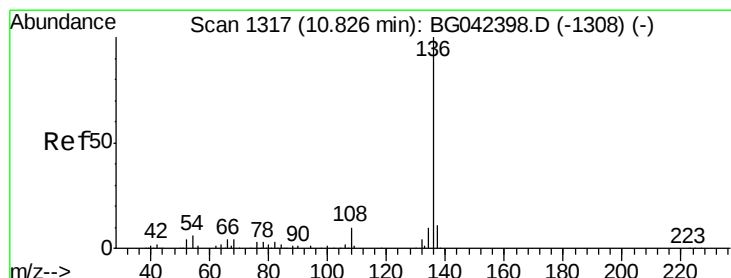
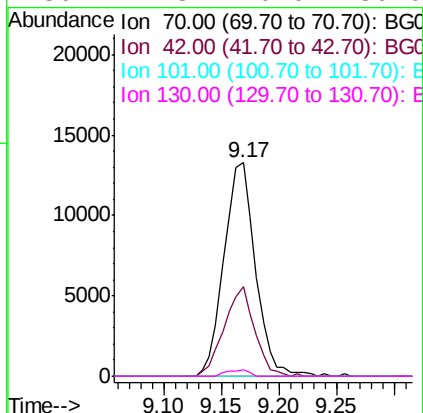




#19
n-Nitroso-di-n-propylamine
Concen: 16.084 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

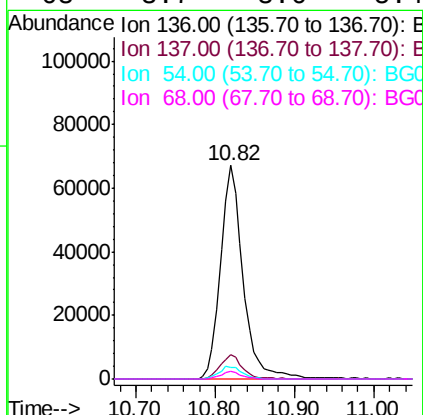
Instrument :
BNA_G
ClientSampleId :
SU-01-082819

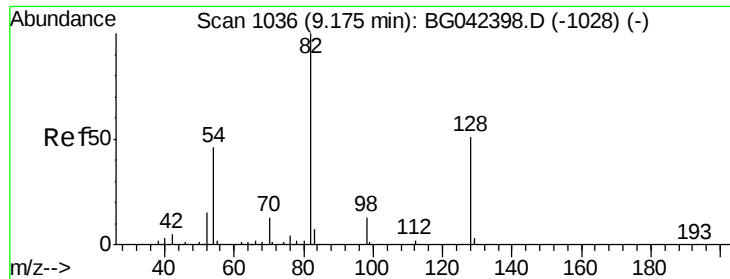
Tgt Ion:	70	Resp:	25065
Ion	Ratio	Lower	Upper
70	100		
42	42.2	38.8	58.2
101	0.0	9.0	13.6#
130	2.8	20.0	30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Tgt Ion:	136	Resp:	132308
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	5.6	4.9	7.3
68	3.7	3.6	5.4

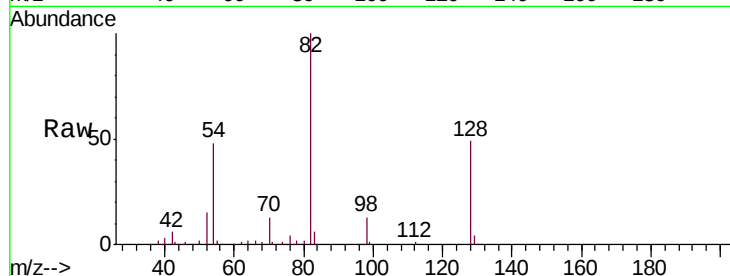




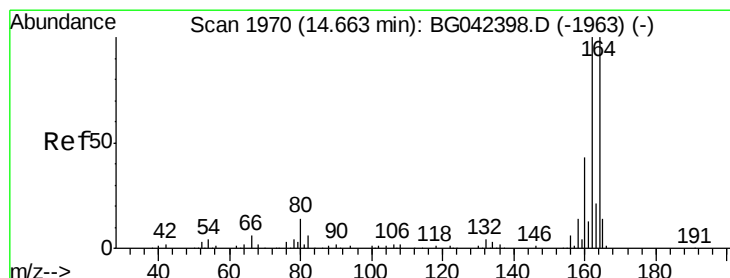
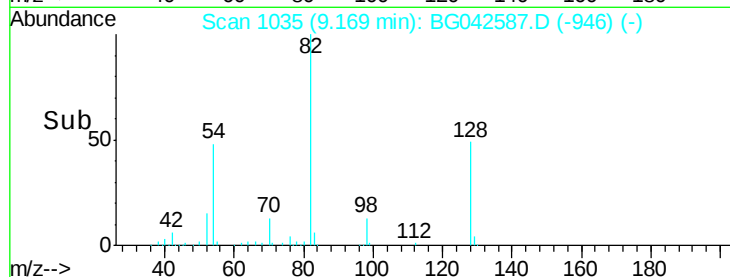
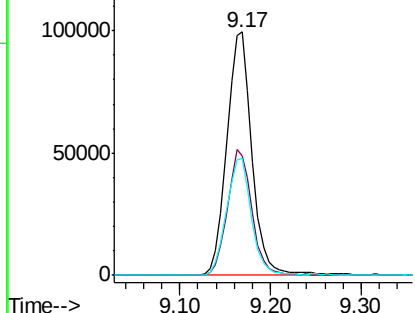
#23
Nitrobenzene-d5
Concen: 100.145 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Instrument :
BNA_G
ClientSampleId :
SU-01-082819

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.2	40.7	61.1
54	48.2	36.3	54.5

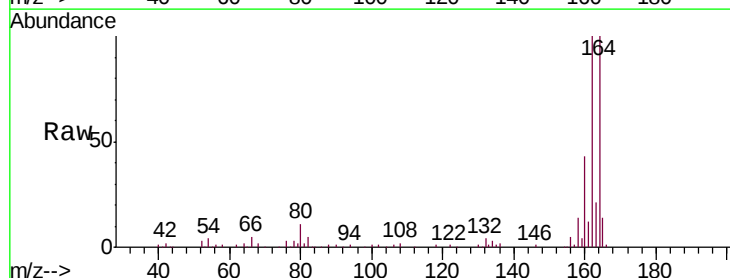


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

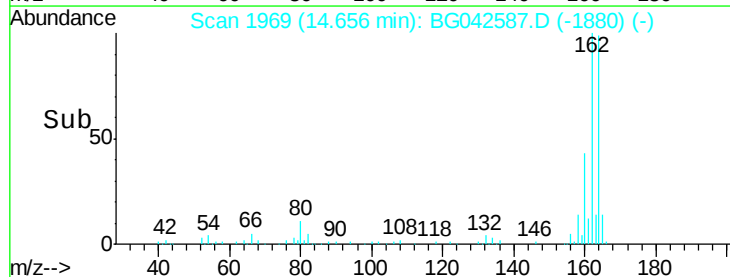
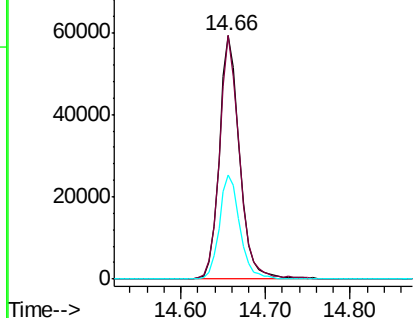


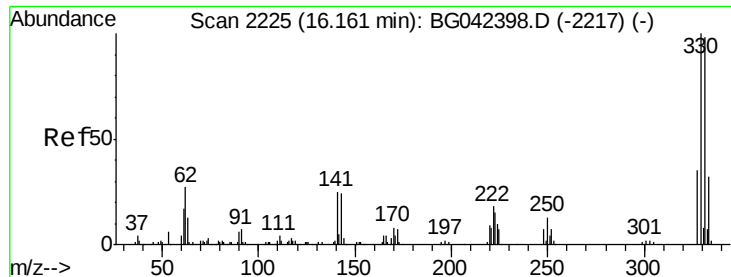
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.9	119.9
160	42.5	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

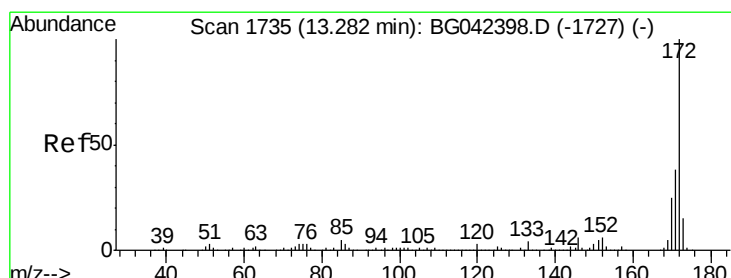
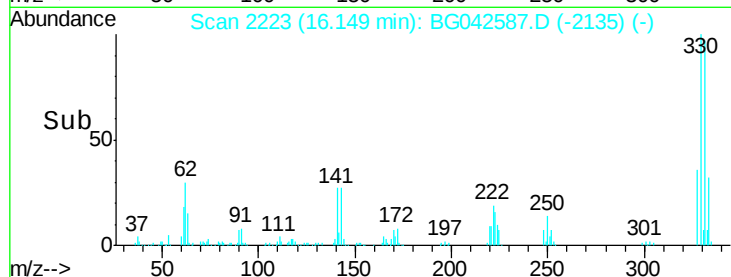
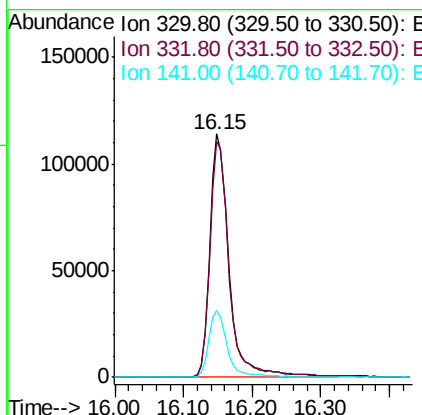
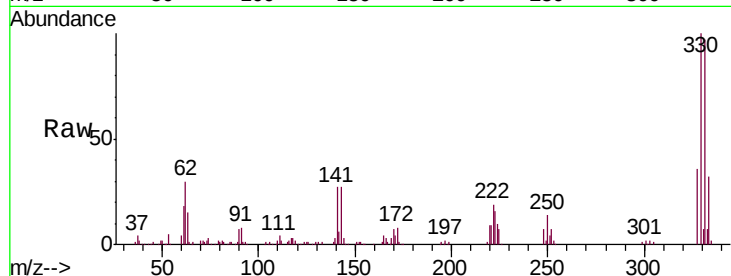




#42
 2,4,6-Tribromophenol
 Concen: 157.127 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

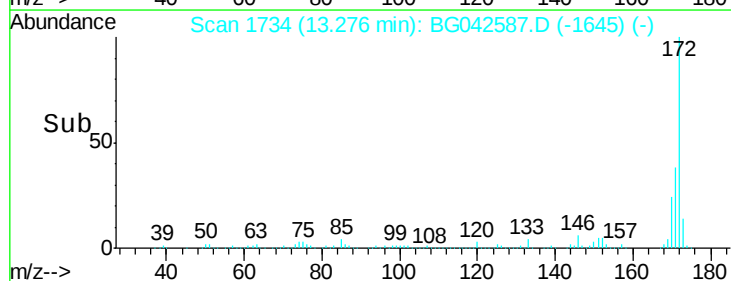
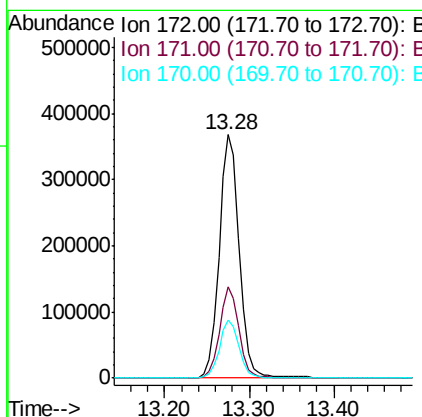
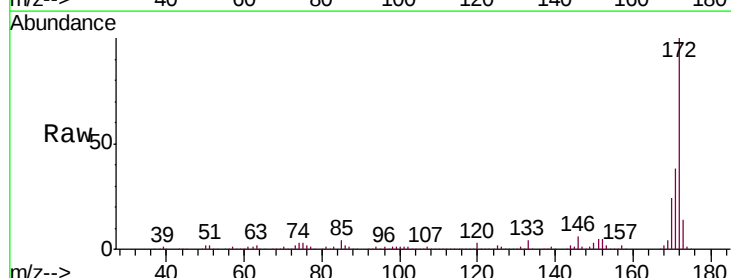
Instrument :
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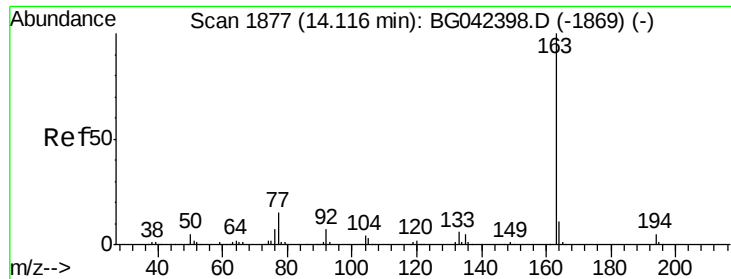
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	27.0	21.4	32.0



#45
 2-Fluorobiphenyl
 Concen: 103.492 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.5	45.7
170	24.1	20.2	30.2





#50

Dimethylphthalate

Concen: 2.207 ng

RT: 14.12 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BG042587.D

Acq: 30 Aug 2019 5:10

Instrument :

BNA_G

ClientSampleId :

SU-01-082819

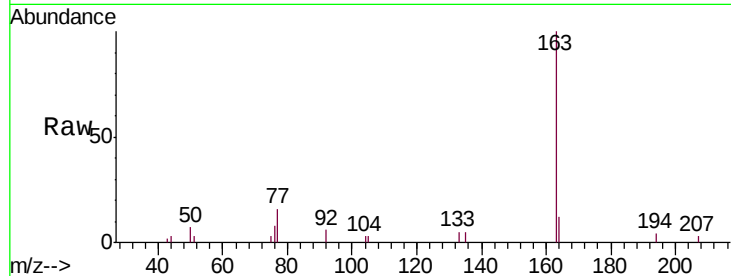
Tgt Ion:163 Resp: 15768

Ion Ratio Lower Upper

163 100

194 4.4 4.2 6.2

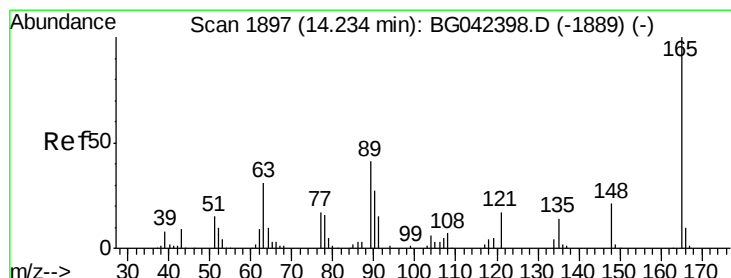
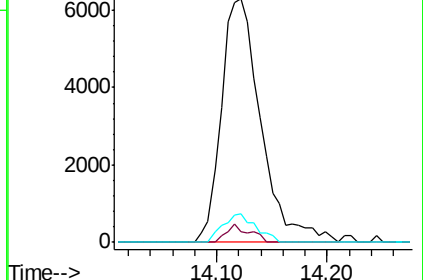
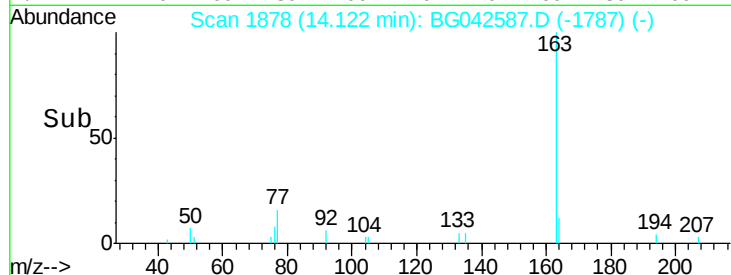
164 12.0 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.959 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042587.D

Acq: 30 Aug 2019 5:10

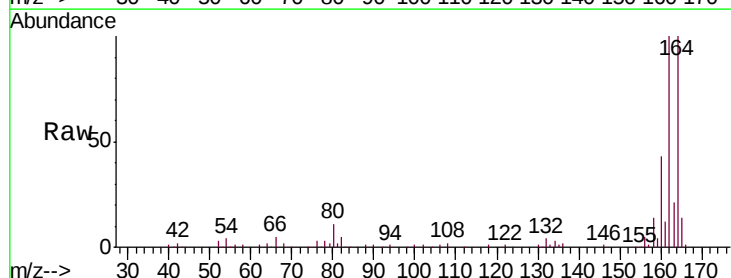
Tgt Ion:165 Resp: 13180

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

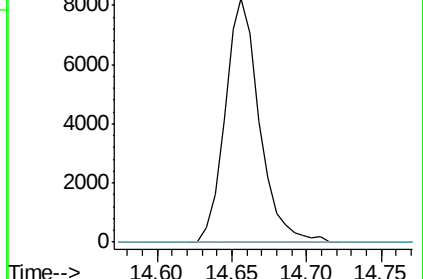
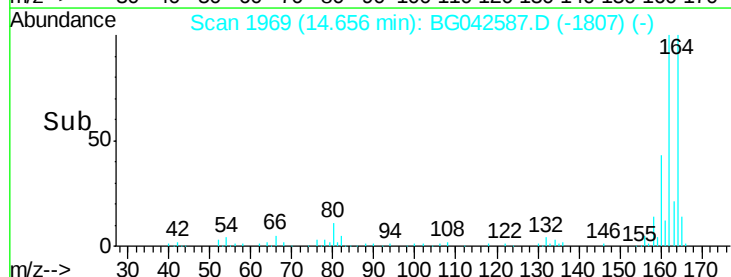
89 0.0 32.6 49.0#

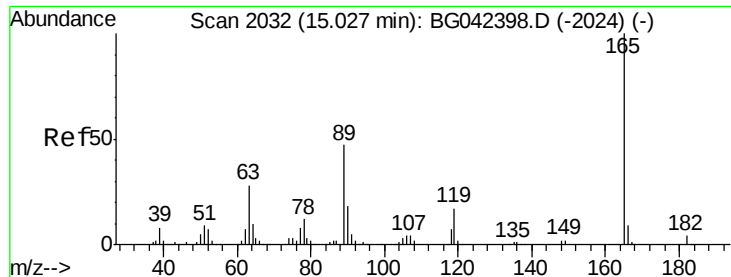


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

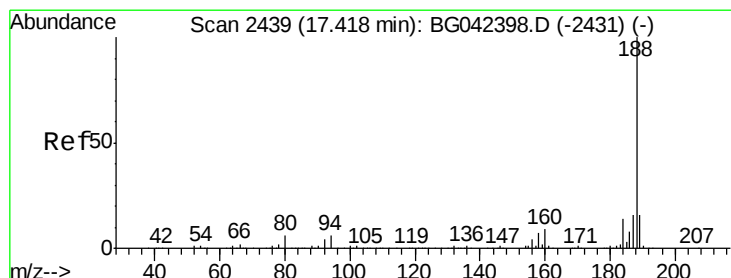
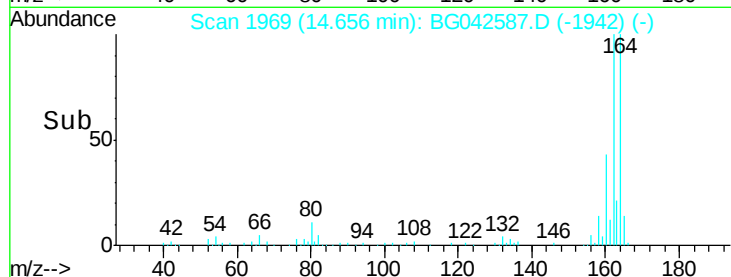
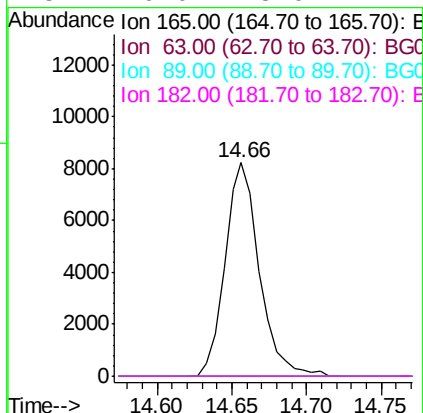
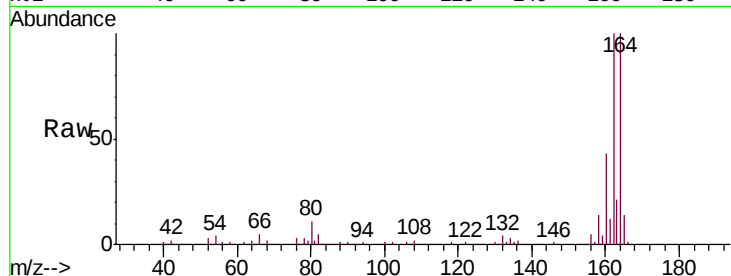




#57
 2,4-Dinitrotoluene
 Concen: 5.558 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

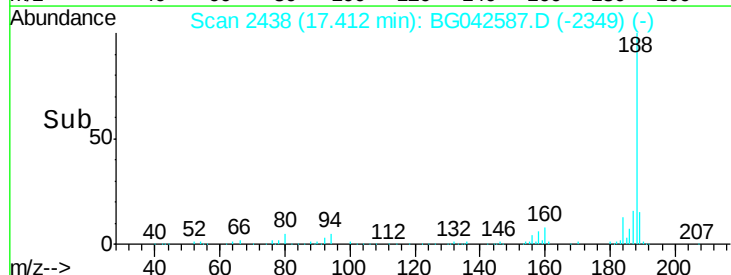
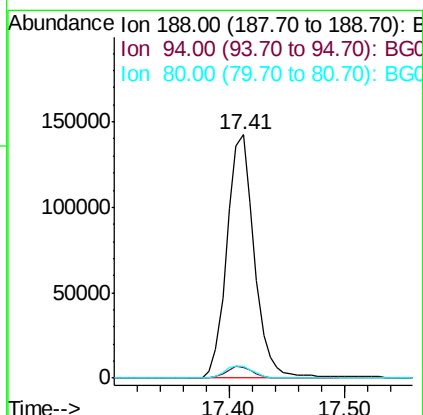
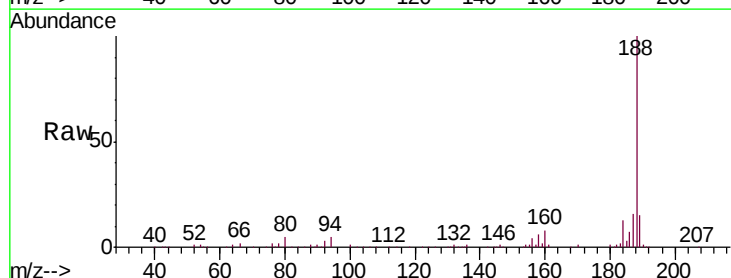
Instrument :
 BNA_G
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 SU-01-082819

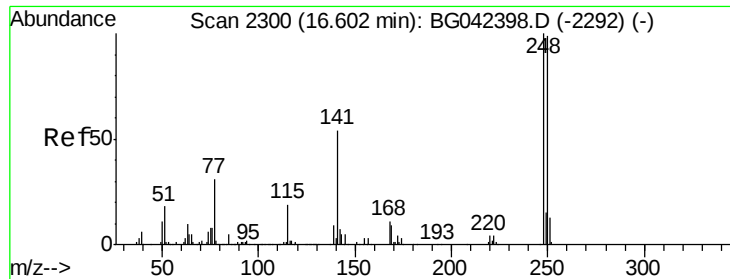
Tgt Ion:	165	Resp:	13180
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

Tgt Ion:	188	Resp:	234134
Ion	Ratio	Lower	Upper
188	100		
94	4.6	4.5	6.7
80	5.0	4.9	7.3

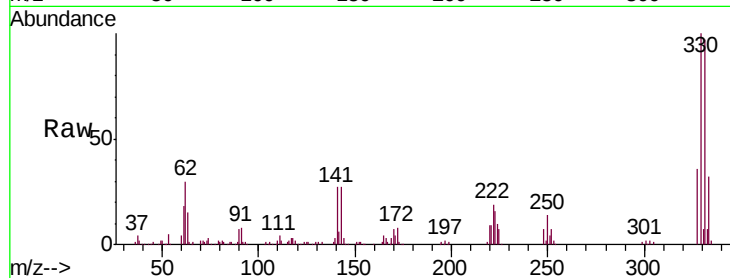




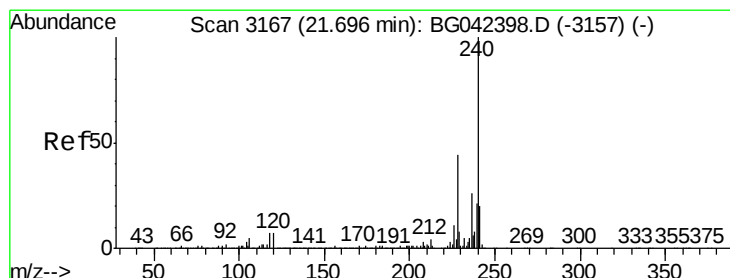
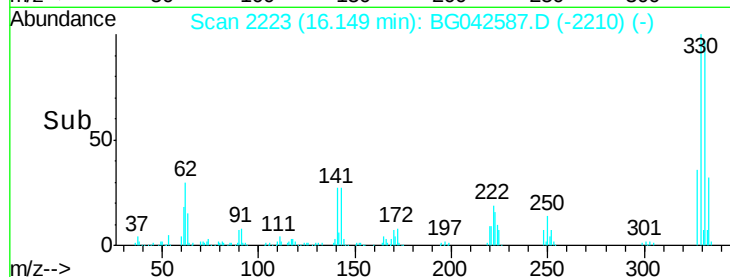
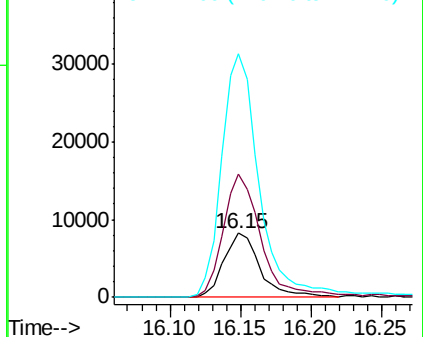
#67
4-Bromophenyl-phenylether
Concen: 4.976 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.45 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Instrument :
BNA_G
ClientSampleId :
SU-01-082819

Tgt Ion:248 Resp: 14777
Ion Ratio Lower Upper
248 100
250 194.0 78.9 118.3#
141 381.4 43.3 64.9#

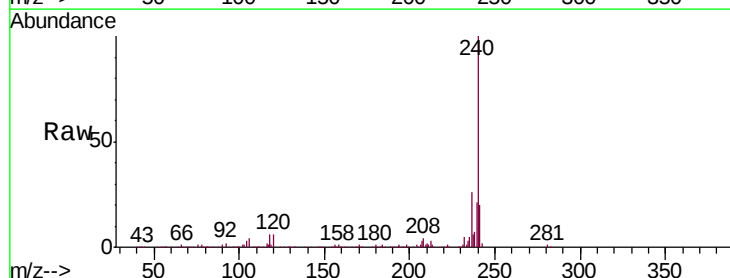


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

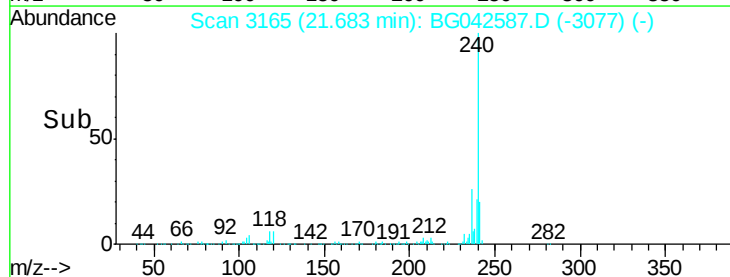
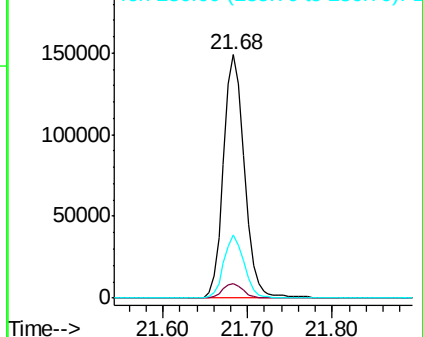


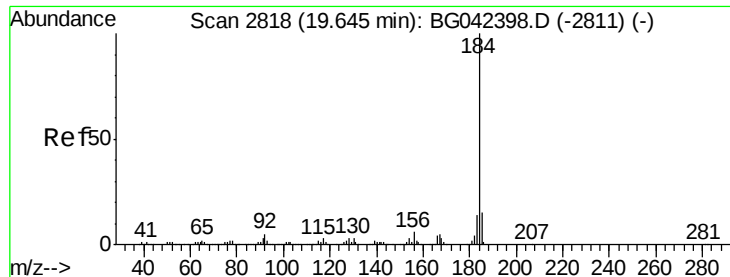
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042587.D
Acq: 30 Aug 2019 5:10

Tgt Ion:240 Resp: 256103
Ion Ratio Lower Upper
240 100
120 5.7 5.7 8.5
236 25.9 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: 2.161 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042587.D

Acq: 30 Aug 2019 5:10

Instrument :

BNA_G

ClientSampleId :

SU-01-082819

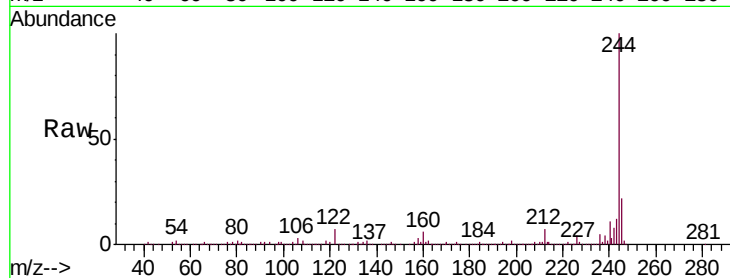
Tgt Ion:184 Resp: 15864

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.4

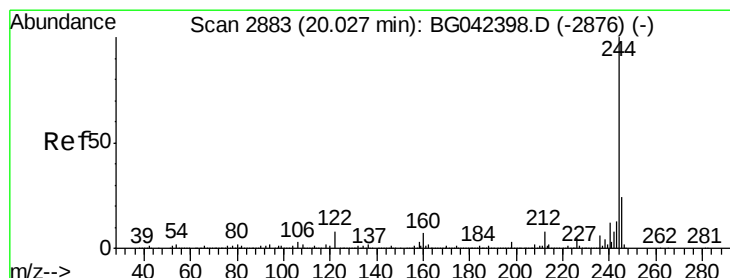
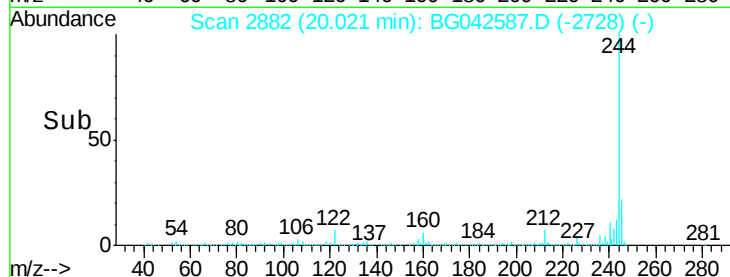
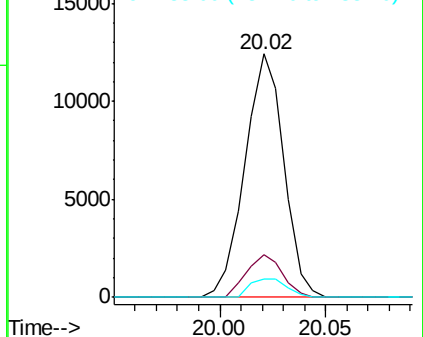
183 7.4 10.8 16.2#



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: 102.992 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042587.D

Acq: 30 Aug 2019 5:10

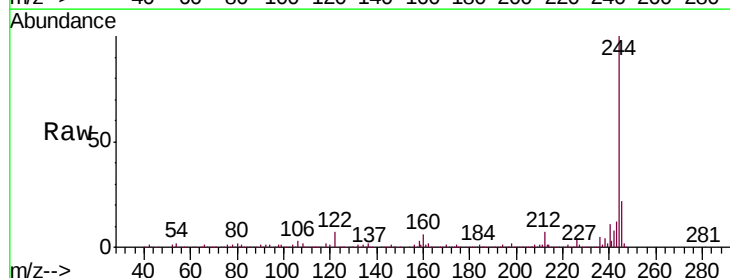
Tgt Ion:244 Resp: 1220058

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

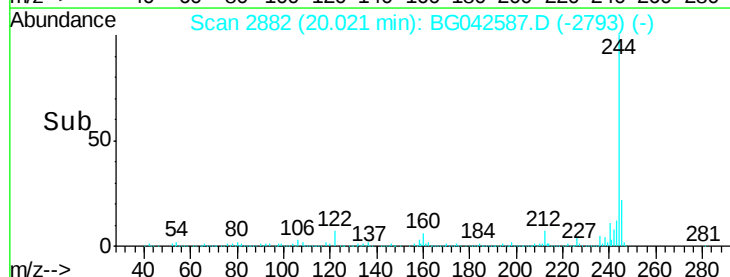
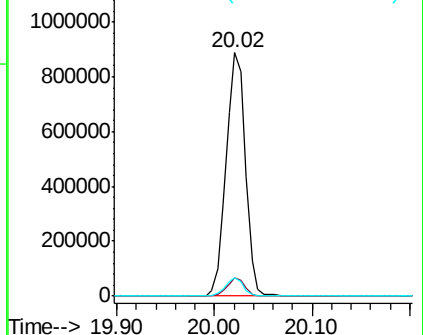
122 7.4 6.7 10.1

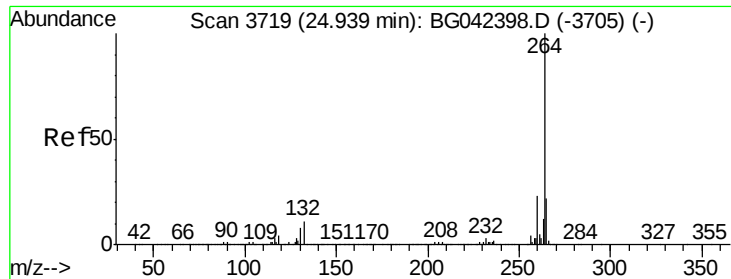


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042587.D
 Acq: 30 Aug 2019 5:10

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-082819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	22.2	17.6	26.4

