

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042827.D
 Acq On : 13 Sep 2019 21:44
 Operator : HP/JU
 Sample : K4847-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 23:00:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

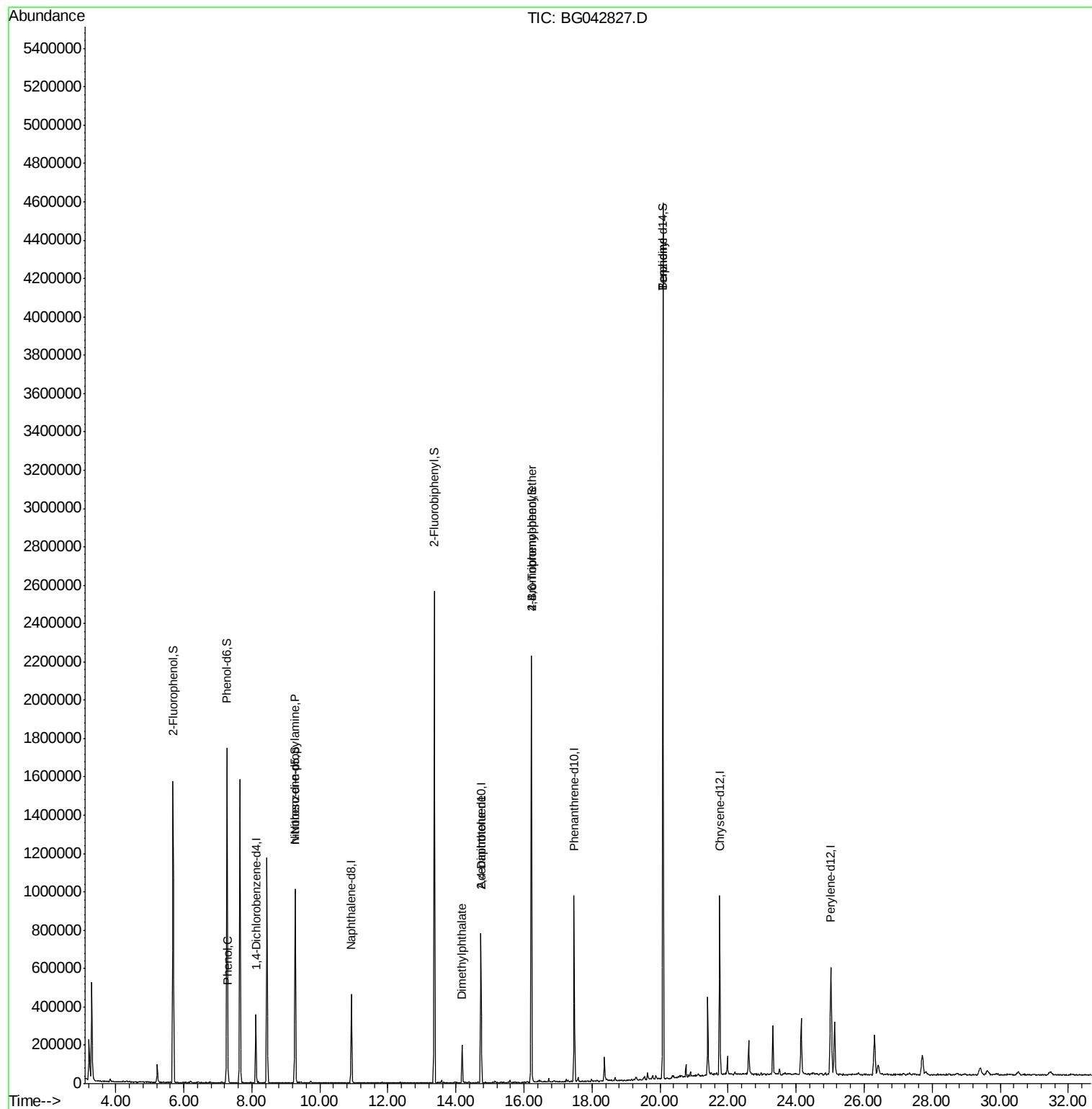
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	100092	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	395672	20.00	ng	-0.01
39) Acenaphthene-d10	14.74	164	271055	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	593035	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	570586	20.00	ng	-0.01
87) Perylene-d12	25.02	264	619669	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	634650	110.24	ng	0.00
7) Phenol-d6	7.27	99	970586	117.45	ng	0.00
23) Nitrobenzene-d5	9.27	82	613814	80.77	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	416094	115.38	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1348659	78.76	ng	-0.01
79) Terphenyl-d14	20.08	244	2015879	78.30	ng	-0.01
Target Compounds						
10) Phenol	7.30	94	43196	5.097	ng	97
19) n-Nitroso-di-n-propylamine	9.27	70	86349	14.181	ng	# 67
50) Dimethylphthalate	14.18	163	127346	6.272	ng	98
57) 2,4-Dinitrotoluene	14.73	165	36314	6.539	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	29102	4.054	ng	# 1
77) Benzidine	20.08	184	34566	2.168	ng	# 90

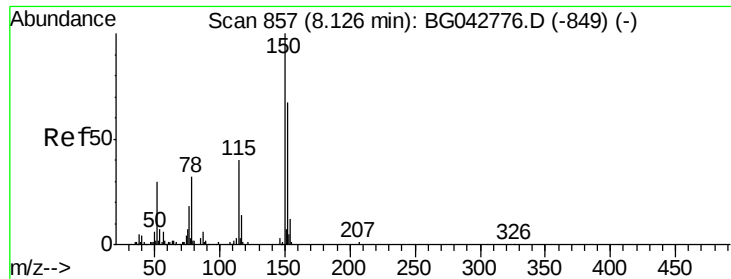
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 13 23:00:12 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



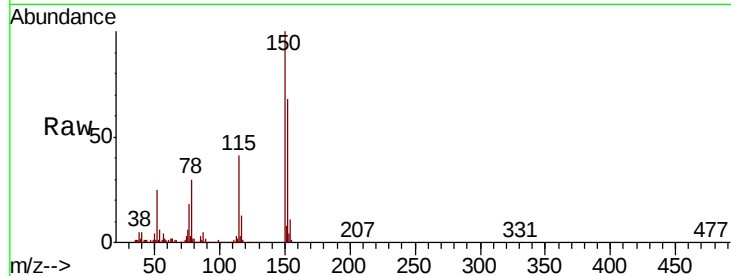


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.5	118.9	178.3
115	60.1	47.4	71.2

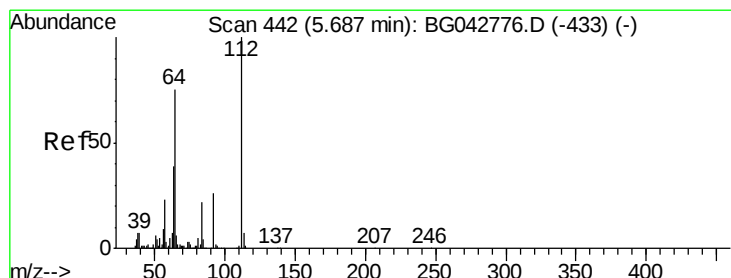
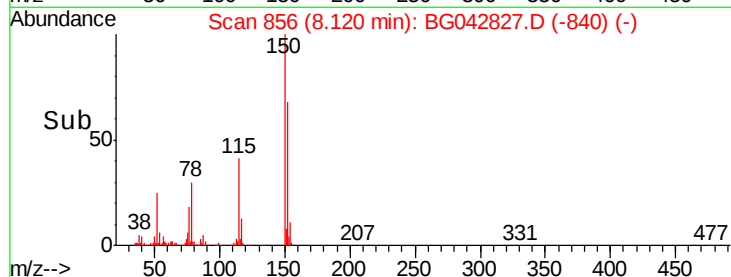
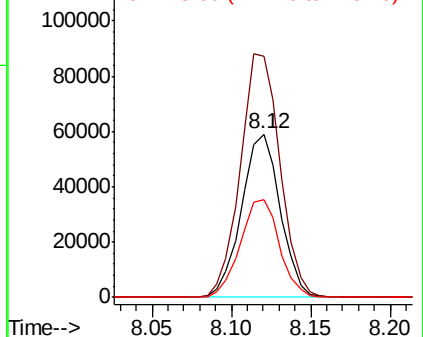


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

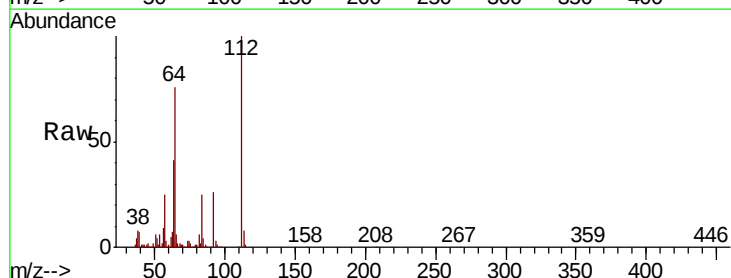
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.236 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.5	60.2	90.2
63	41.4	31.2	46.8

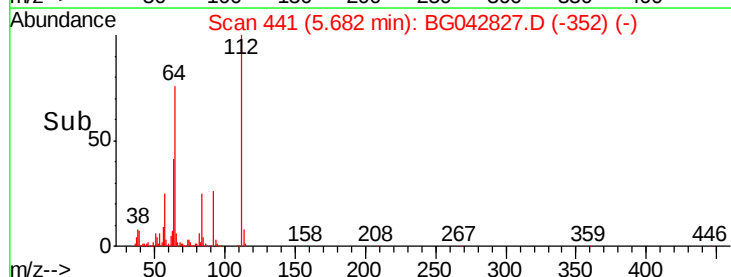
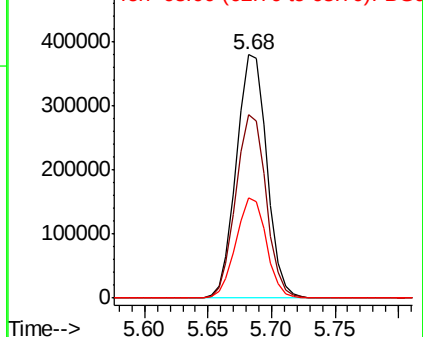


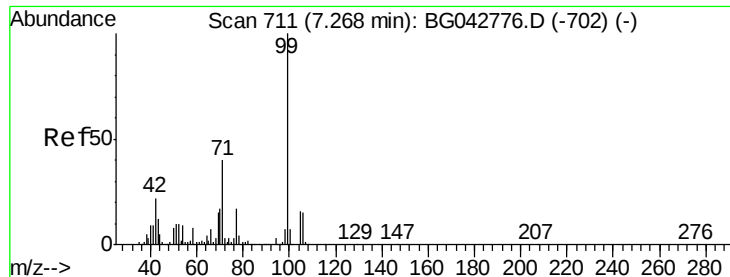
Abundance

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: 117.454 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

Instrument :

BNA_G

ClientSampleId :

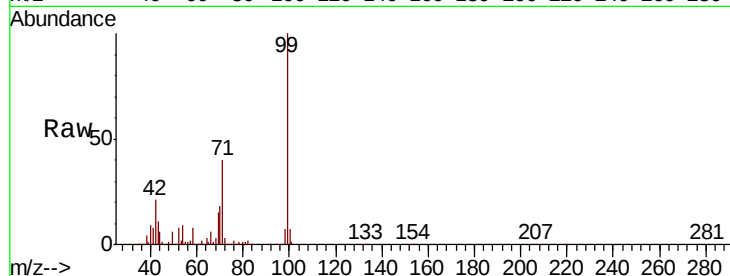
Tot Ion: 99 Resp: 970586

Ion Ratio Lower Upper

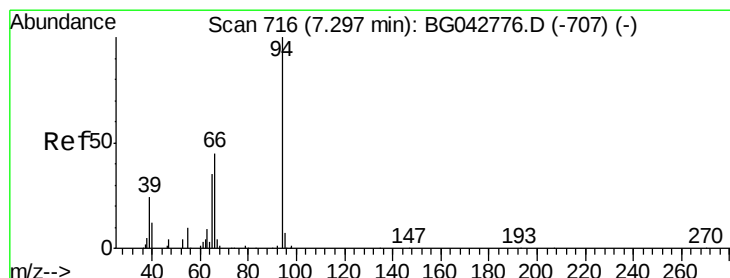
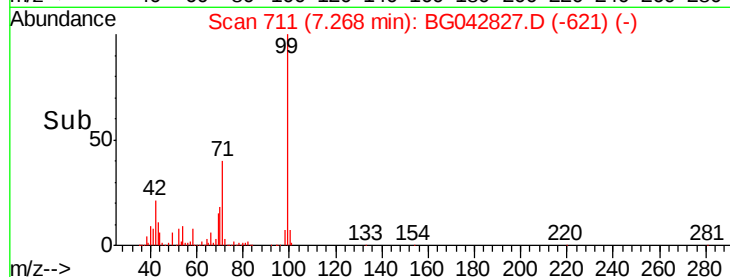
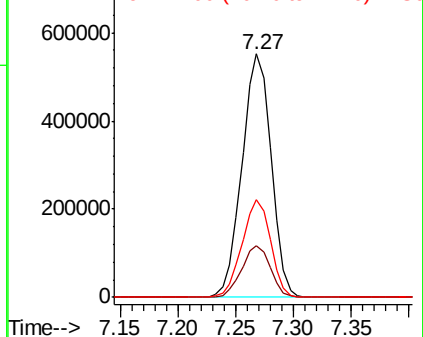
99 100

42 21.4 17.5 26.3

71 40.2 32.0 48.0



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



#10

Phenol

Concen: 5.097 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

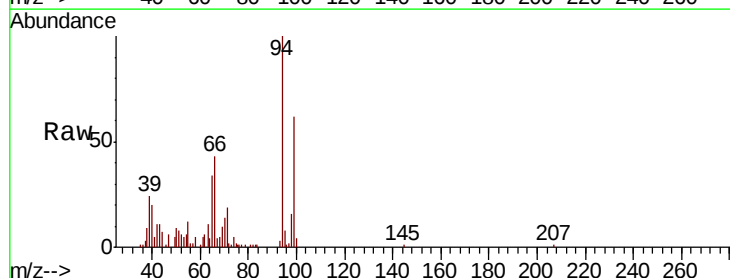
Tgt Ion: 94 Resp: 43196

Ion Ratio Lower Upper

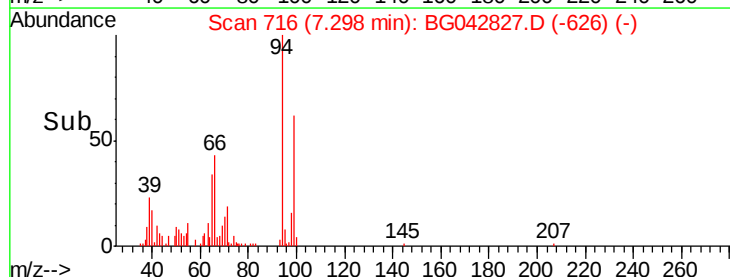
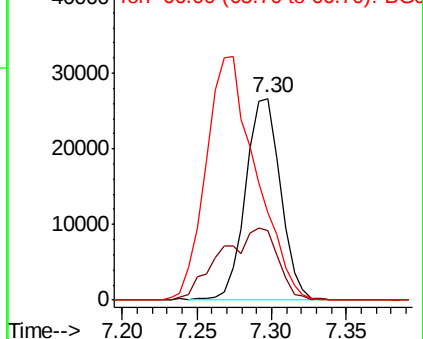
94 100

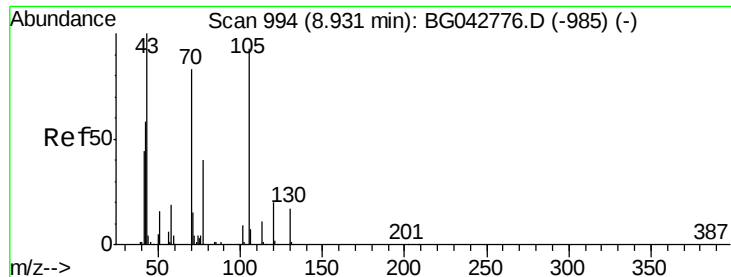
65 34.4 15.0 55.0

66 43.3 26.1 66.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

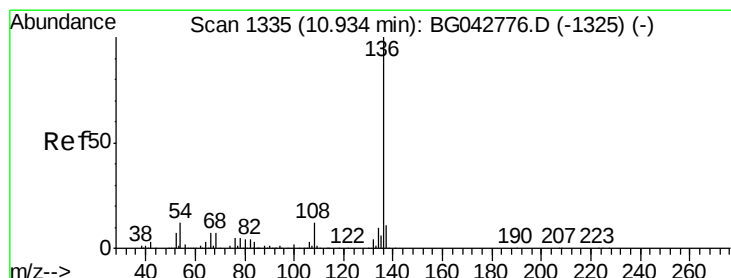
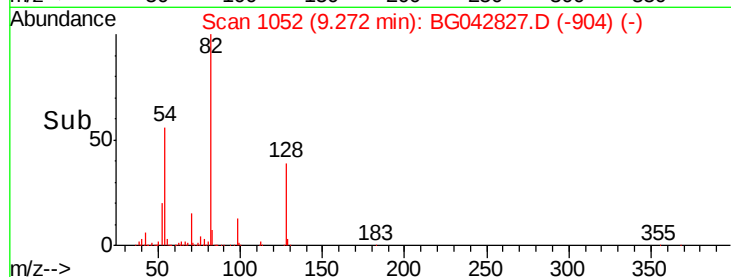
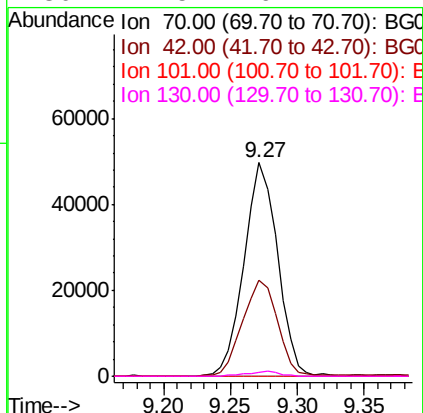
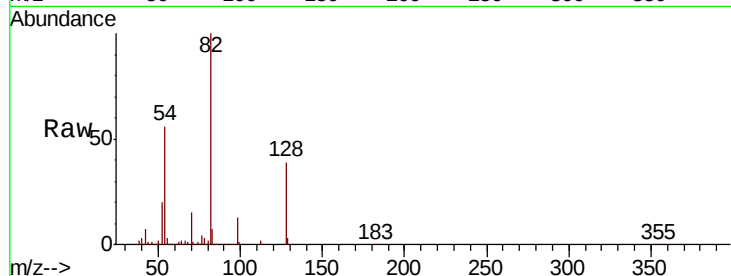




#19
n-Nitroso-di-n-propylamine
Concen: 14.181 ng
RT: 9.27 min Scan# 1052
Delta R.T. 0.34 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

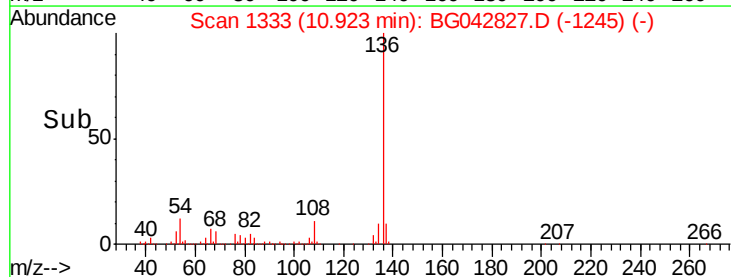
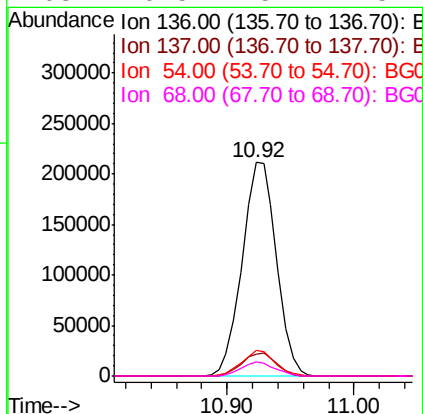
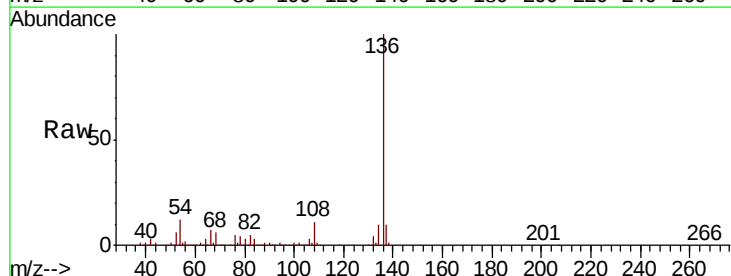
Instrument :
BNA_G
ClientSampleId :

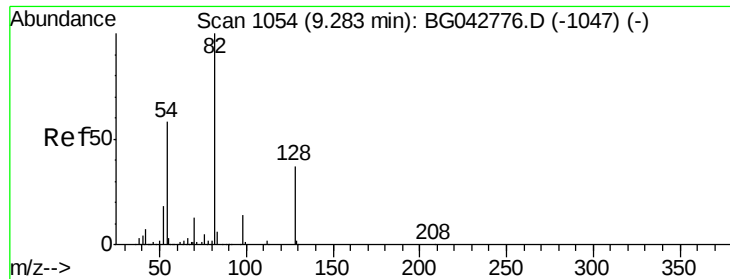
Tot Ion:	70	Resp:	86349
Ion	Ratio	Lower	Upper
70	100		
42	45.0	57.0	85.6#
101	0.0	8.4	12.6#
130	1.5	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

Tgt Ion:	136	Resp:	395672
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.0	13.6
54	11.9	9.4	14.0
68	6.5	5.4	8.2

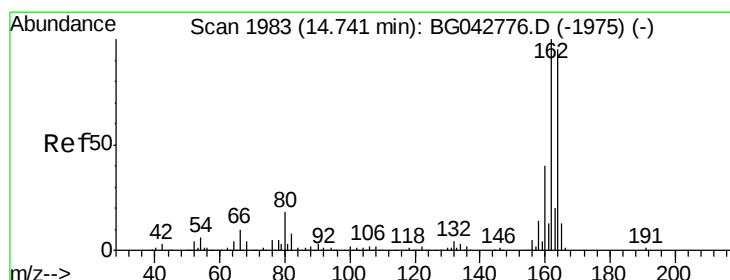
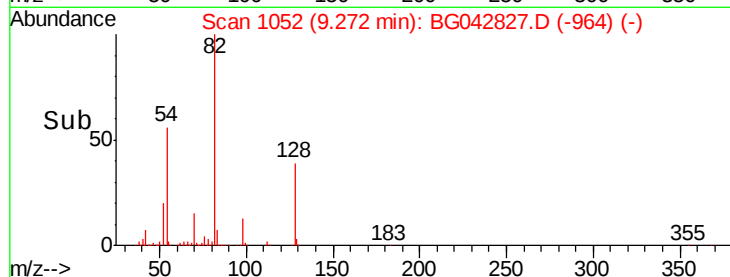
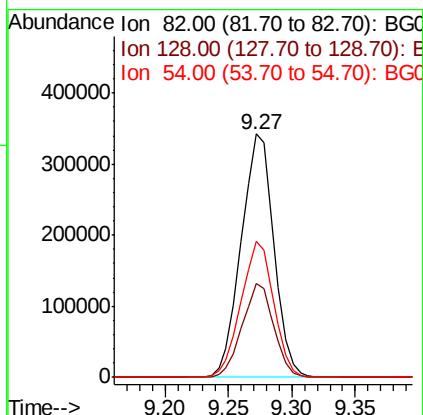
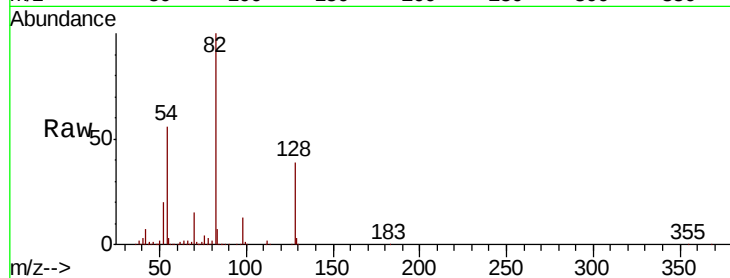




#23
Nitrobenzene-d5
Concen: 80.766 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

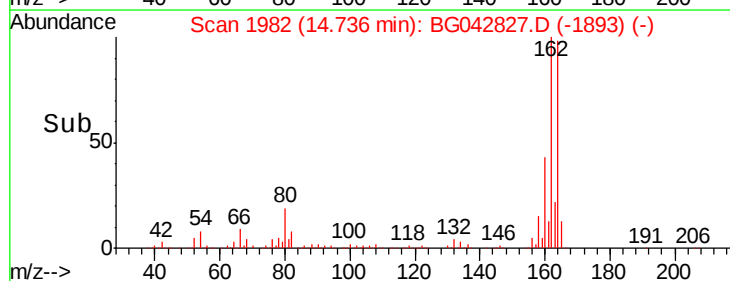
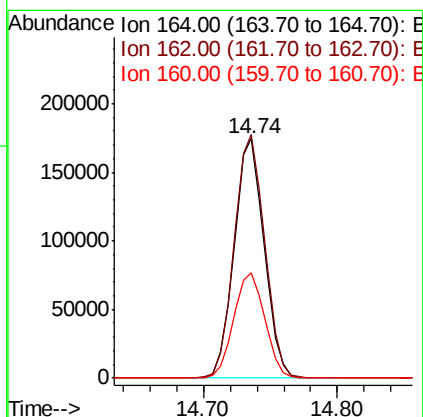
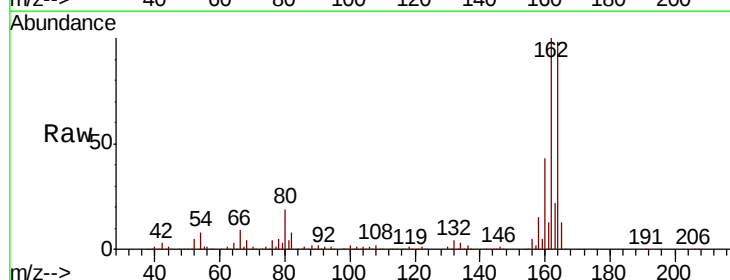
Instrument :
BNA_G
ClientSampleId :

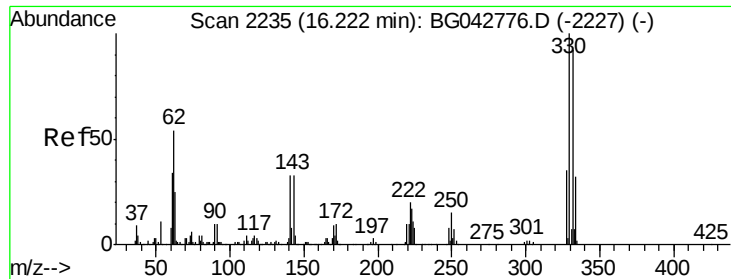
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.8	44.8
54	56.1	46.1	69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	84.6	126.8
160	44.1	34.2	51.2

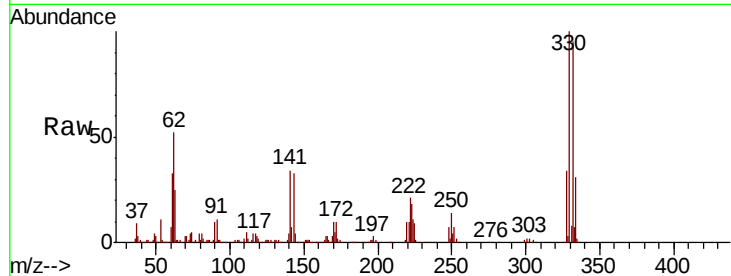




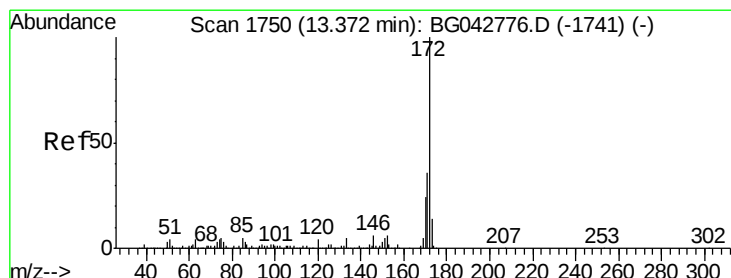
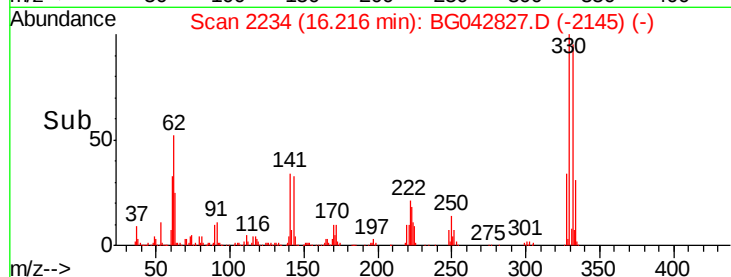
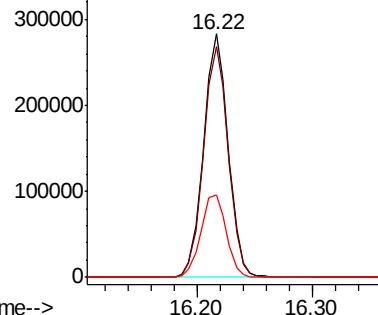
#42
 2,4,6-Tribromophenol
 Concen: 115.384 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042827.D
 Acq: 13 Sep 2019 21:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	35.2	27.0	40.6

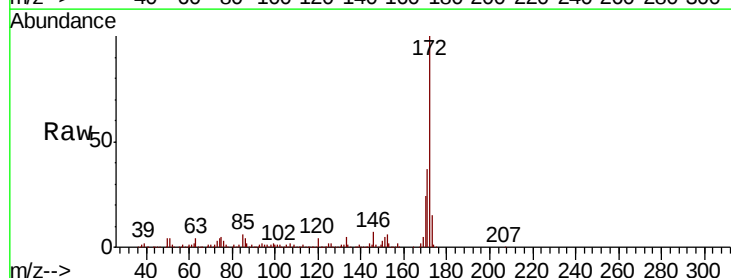


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

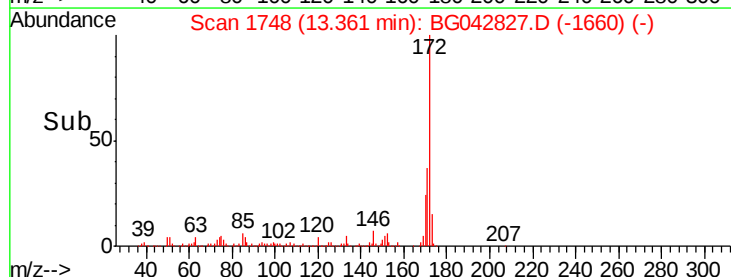
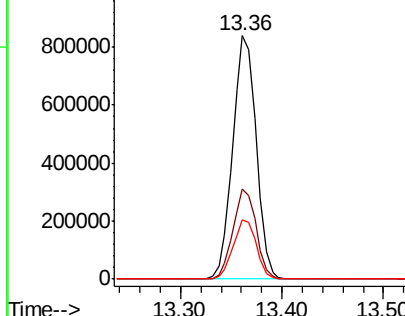


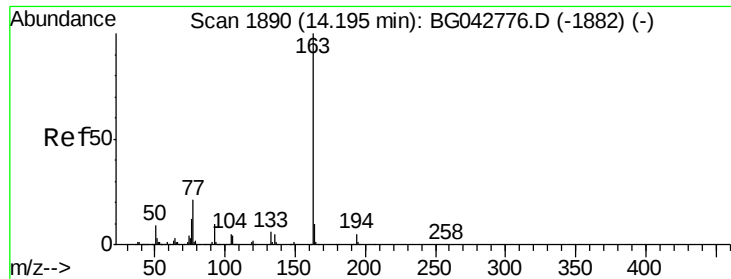
#45
 2-Fluorobiphenyl
 Concen: 78.760 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG042827.D
 Acq: 13 Sep 2019 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.9	43.3
170	24.3	19.1	28.7



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

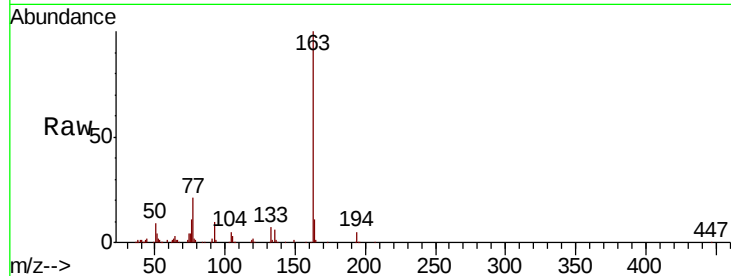




#50
Dimethylphthalate
Concen: 6.272 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.2	6.4
164	11.4	8.4	12.6

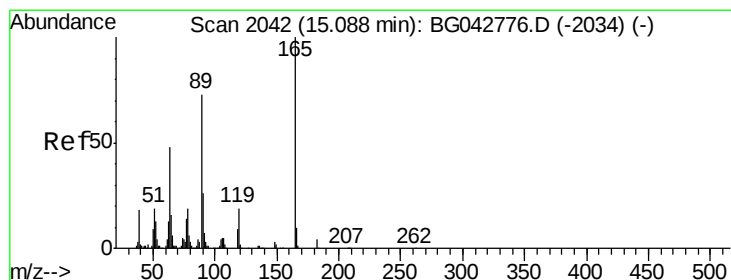
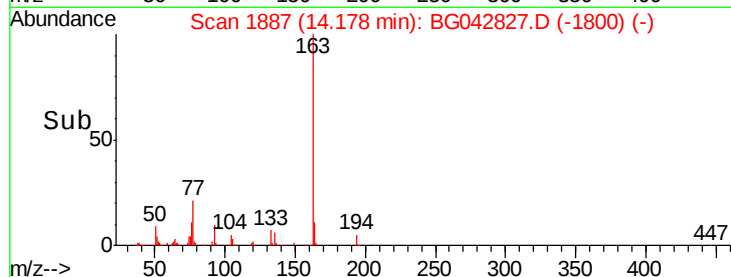
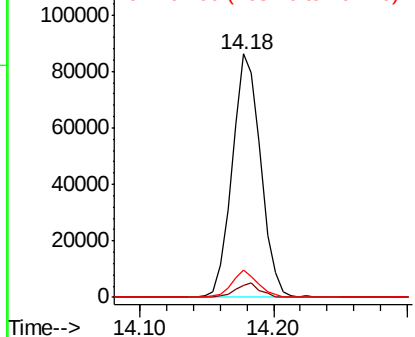


Abundance

Ion 163.00 (162.70 to 163.70): E

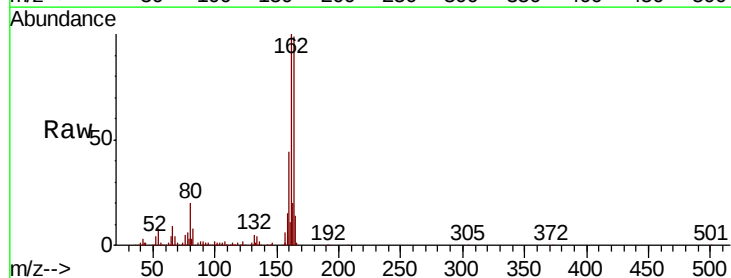
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.539 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.36 min
Lab File: BG042827.D
Acq: 13 Sep 2019 21:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	38.3	57.5#
89	1.7	58.4	87.6#
182	0.0	2.9	4.3#



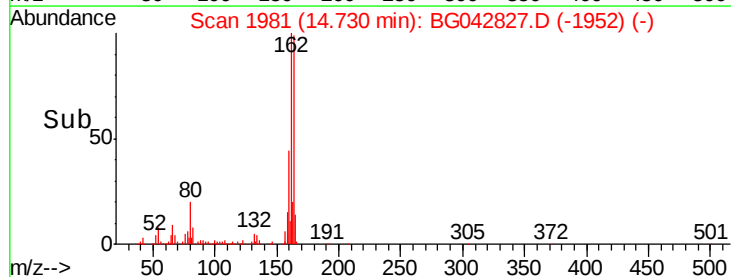
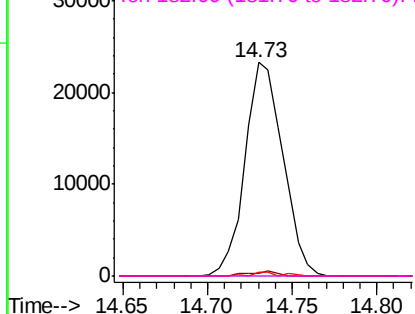
Abundance

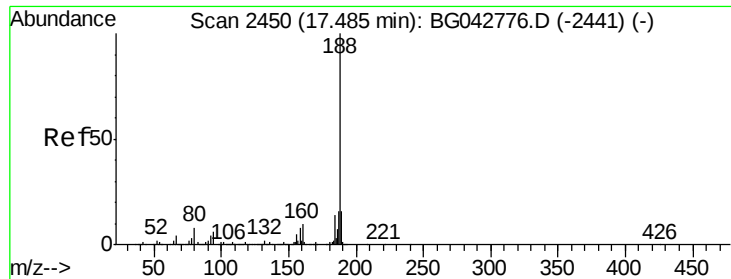
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

Instrument :

BNA_G

ClientSampleId :

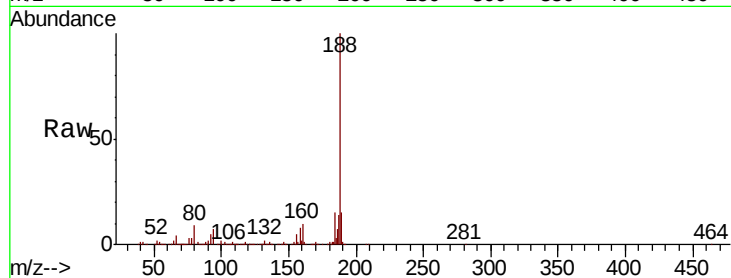
Tot Ion:188 Resp: 593035

Ion Ratio Lower Upper

188 100

94 7.2 4.8 7.2#

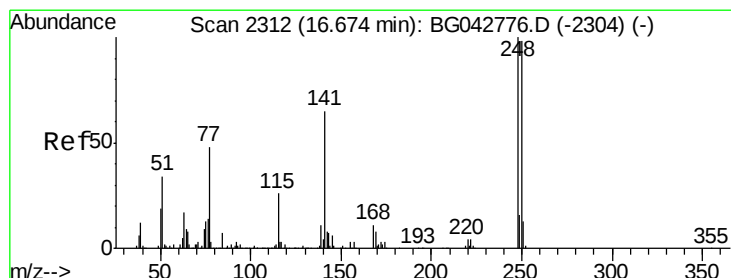
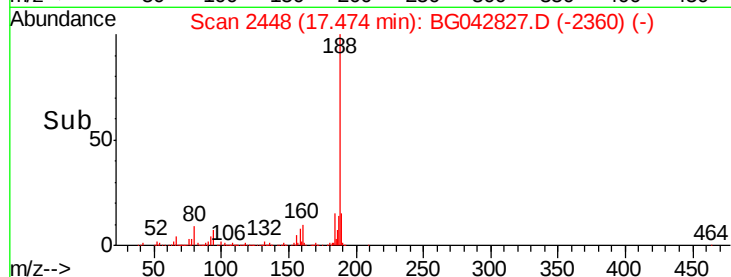
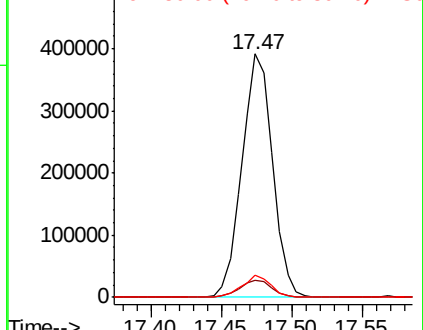
80 9.2 6.6 9.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.054 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

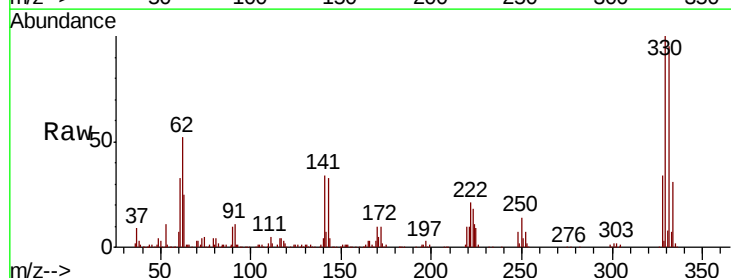
Tgt Ion:248 Resp: 29102

Ion Ratio Lower Upper

248 100

250 213.6 78.0 117.0#

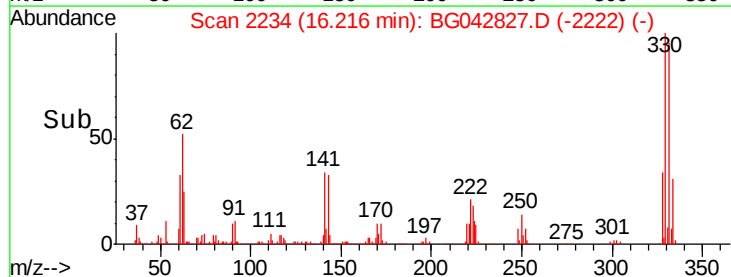
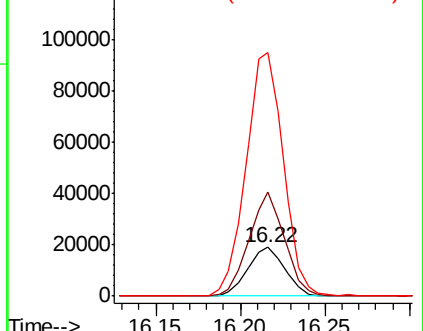
141 500.3 51.8 77.6#

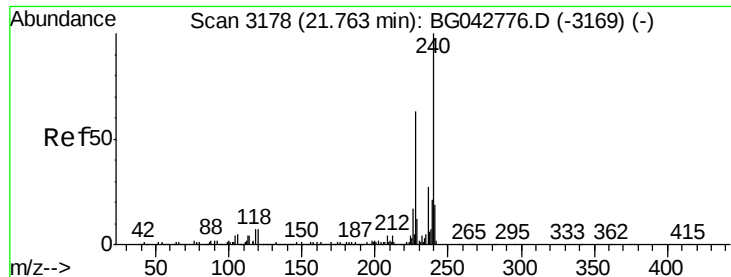


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

Instrument :

BNA_G

ClientSampleId :

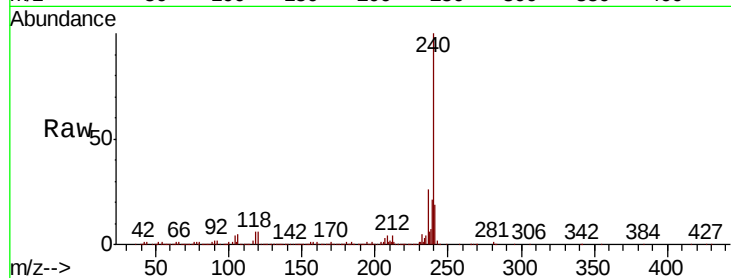
Tot Ion:240 Resp: 570586

Ion Ratio Lower Upper

240 100

120 5.7 5.4 8.2

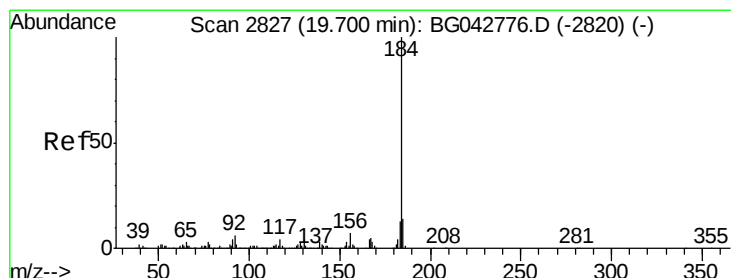
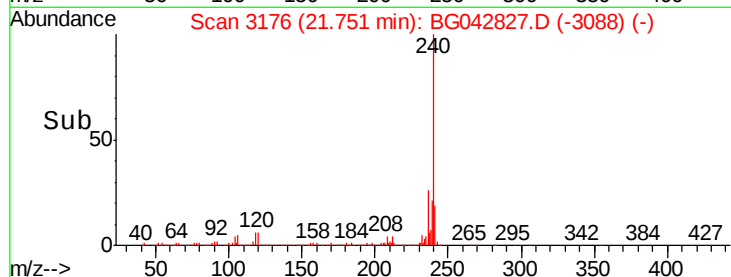
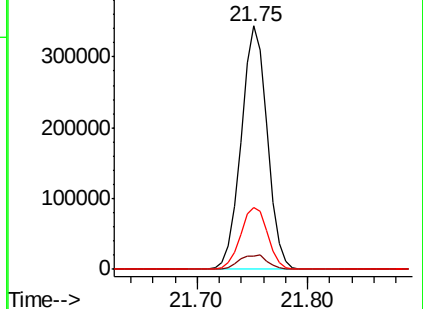
236 25.5 21.7 32.5



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: 2.168 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.38 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

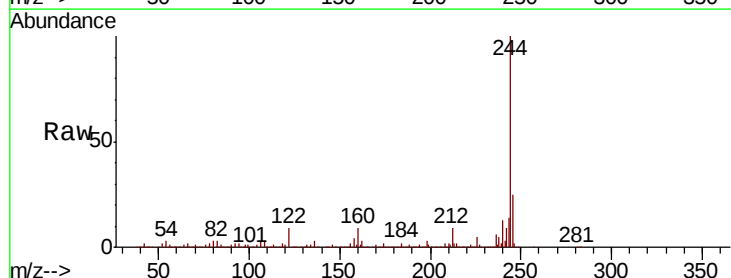
Tgt Ion:184 Resp: 34566

Ion Ratio Lower Upper

184 100

185 17.7 11.6 17.4#

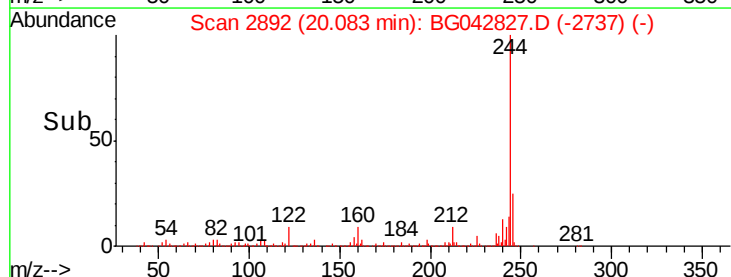
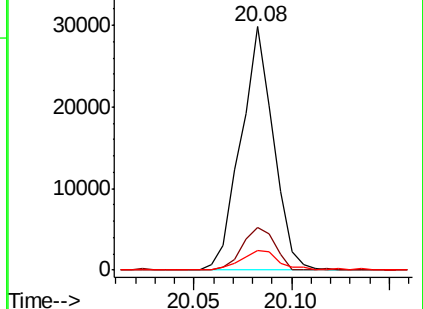
183 8.1 10.4 15.6#

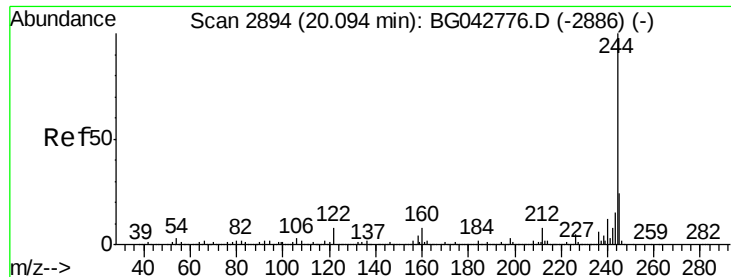


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 78.301 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

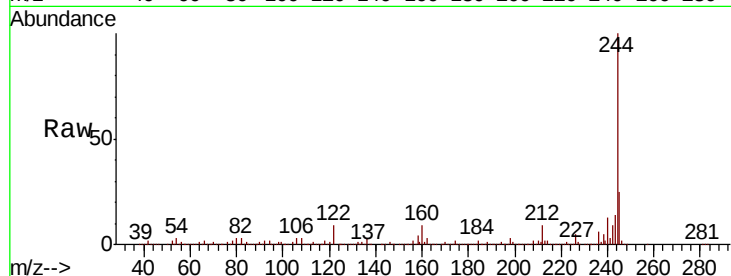
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2015879

Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.6	10.0
122	9.1	6.2	9.4

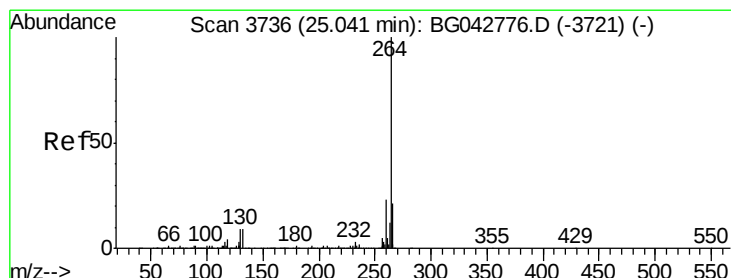
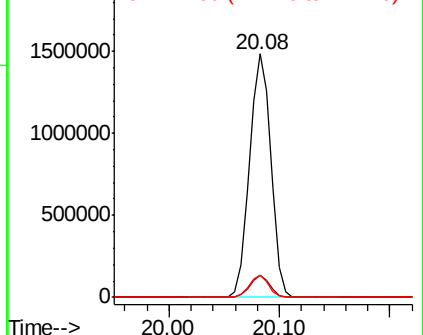
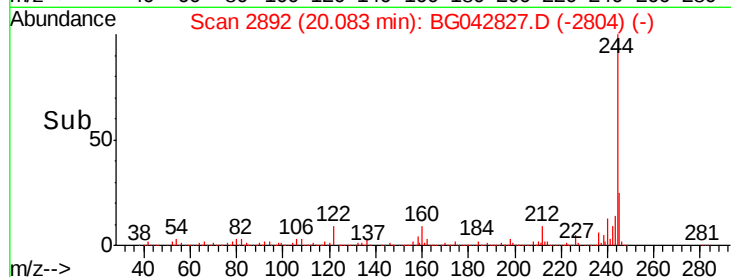


Abundance

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: 25.02 min Scan# 3733

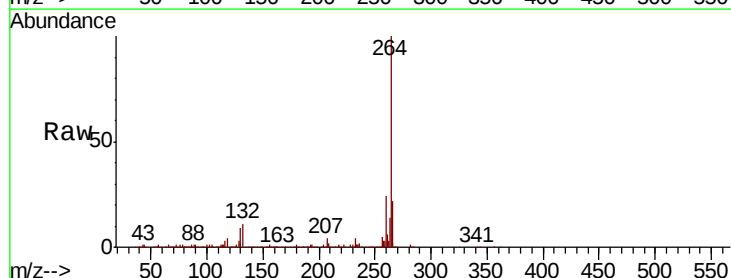
Delta R.T. -0.02 min

Lab File: BG042827.D

Acq: 13 Sep 2019 21:44

Tgt Ion:264 Resp: 619669

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	21.9	16.9	25.3



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

