

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042815.D
 Acq On : 13 Sep 2019 13:27
 Operator : HP/JU
 Sample : K4806-02RE
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 14:18:16 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	86737	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	313092	20.00	ng	-0.01
39) Acenaphthene-d10	14.74	164	212401	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	516128	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	539971	20.00	ng	-0.01
87) Perylene-d12	25.02	264	581574	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	681085	136.52	ng	0.00
7) Phenol-d6	7.27	99	916262	127.95	ng	0.00
23) Nitrobenzene-d5	9.27	82	686163	114.10	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	463691	164.09	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1420251	105.85	ng	-0.01
79) Terphenyl-d14	20.08	244	2526602	103.70	ng	-0.01

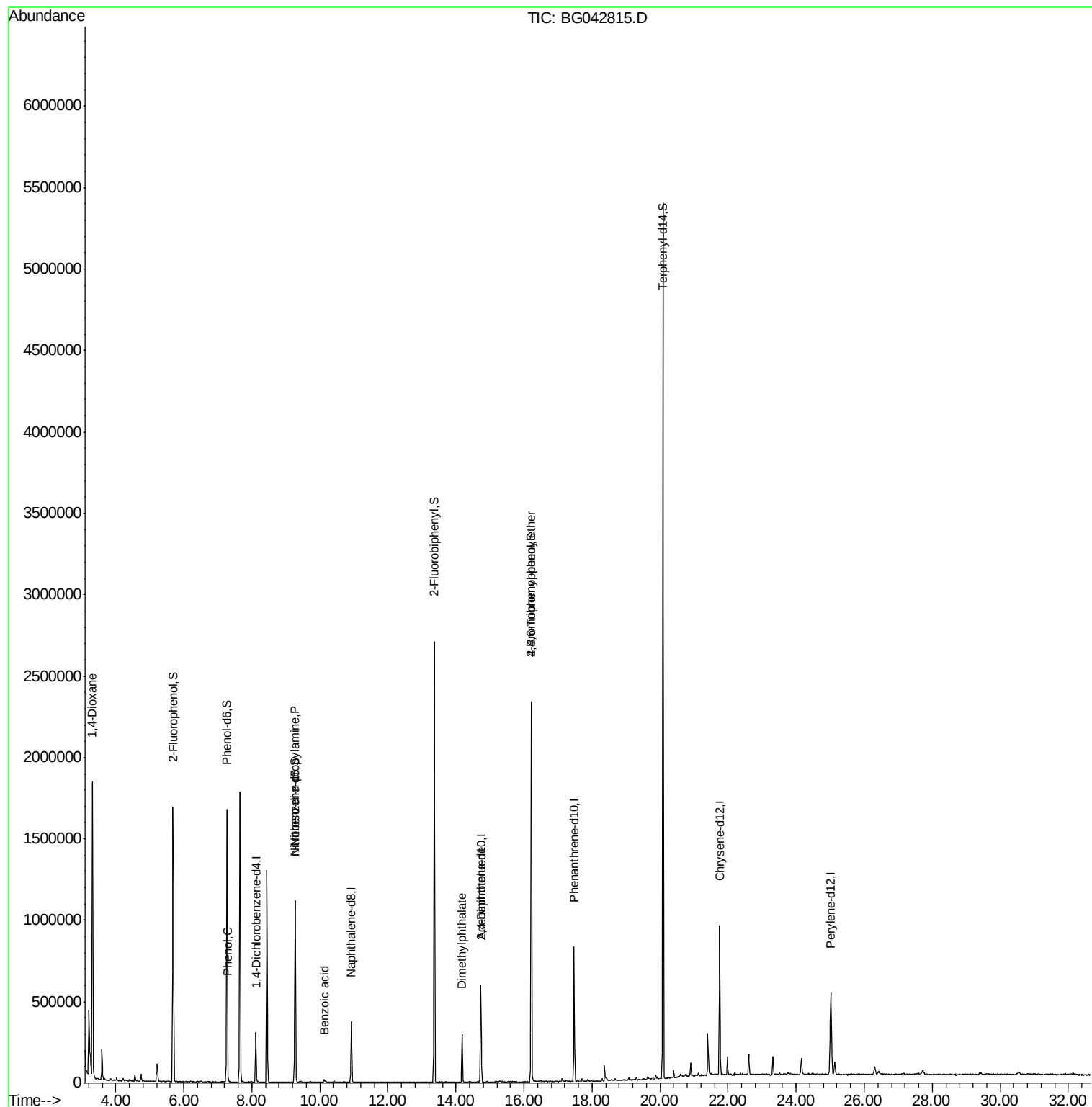
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	17429	7.655	ng	# 1
10) Phenol	7.29	94	16927	2.305	ng	# 77
19) n-Nitroso-di-n-propylamine	9.27	70	95434	18.086	ng	# 69
32) Benzoic acid	10.13	122	5498	7.320	ng	95
50) Dimethylphthalate	14.18	163	191830	12.056	ng	99
57) 2,4-Dinitrotoluene	14.73	165	29169	6.703	ng	# 22
67) 4-Bromophenyl-phenylether	16.21	248	31867	5.101	ng	# 1

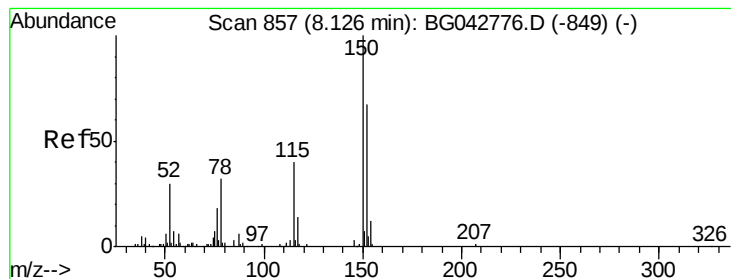
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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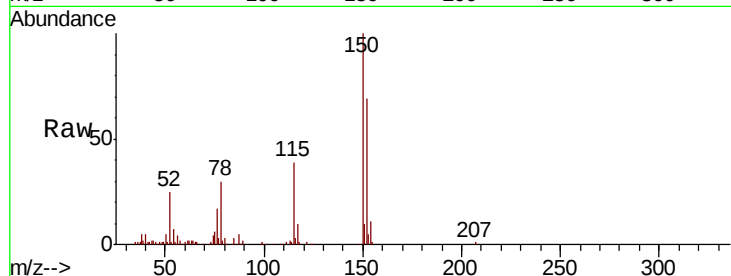


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042815.D
Acq: 13 Sep 2019 13:27

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.8	118.9	178.3
115	56.2	47.4	71.2

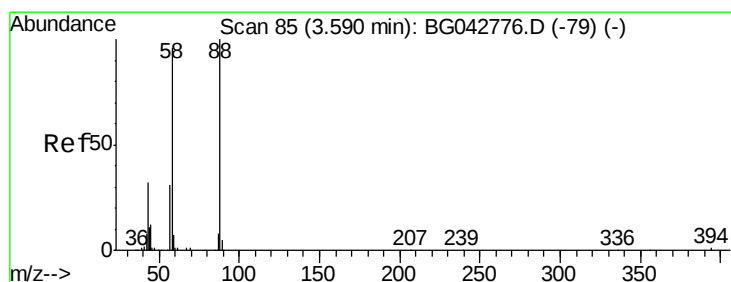
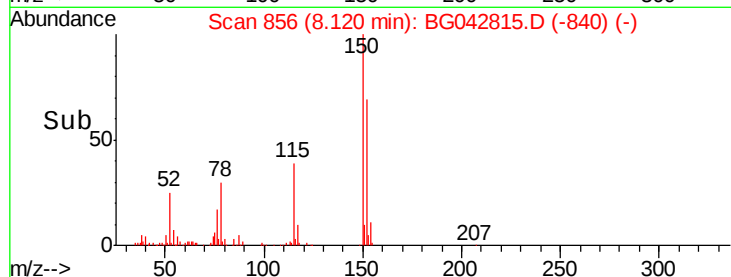
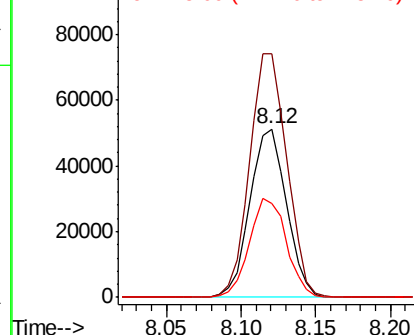


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

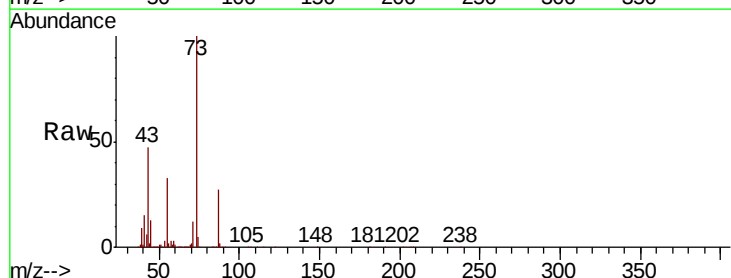
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.655 ng
RT: 3.31 min Scan# 37
Delta R.T. -0.28 min
Lab File: BG042815.D
Acq: 13 Sep 2019 13:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	31.6	79.1	118.7#
43	2901.4	30.4	45.6#

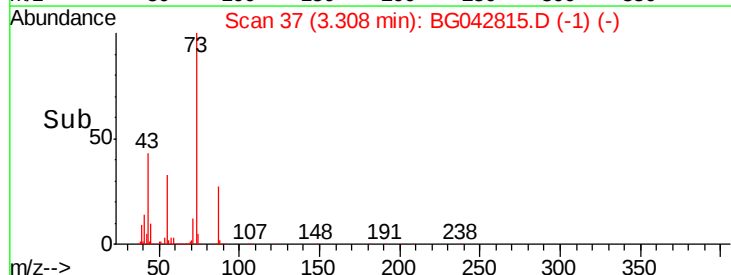
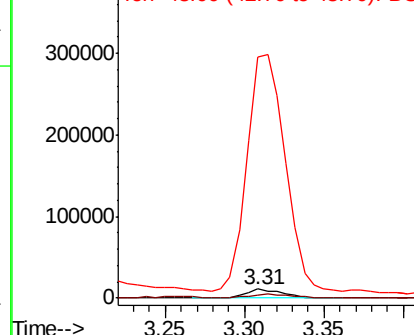


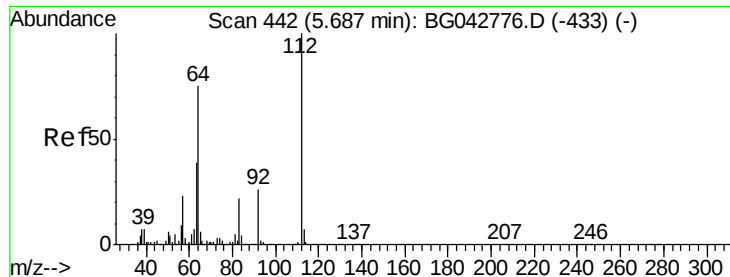
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 136.516 ng

RT: 5.69 min Scan# 442

Delta R.T. 0.00 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

Instrument :

BNA_G

ClientSampled :

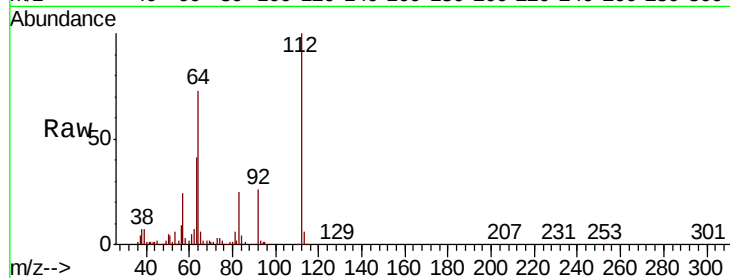
Tot Ion:112 Resp: 681085

Ion Ratio Lower Upper

112 100

64 73.2 60.2 90.2

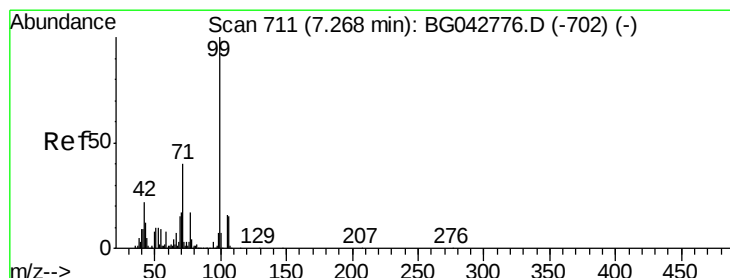
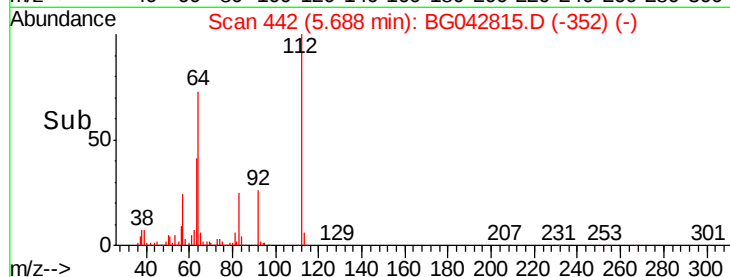
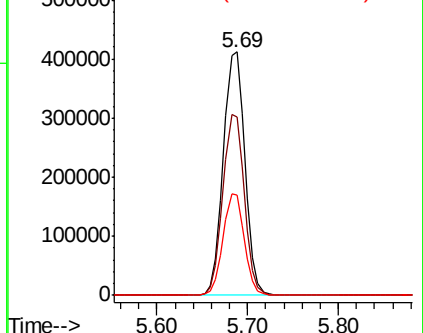
63 41.0 31.2 46.8



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: 127.952 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

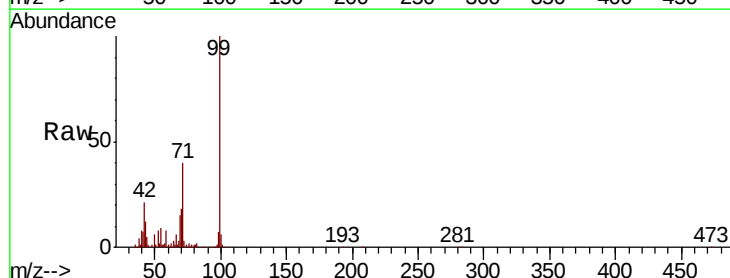
Tgt Ion: 99 Resp: 916262

Ion Ratio Lower Upper

99 100

42 21.2 17.5 26.3

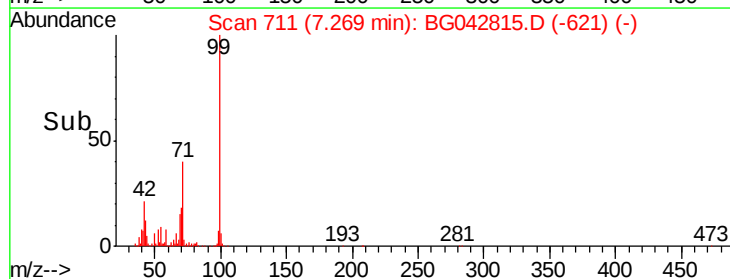
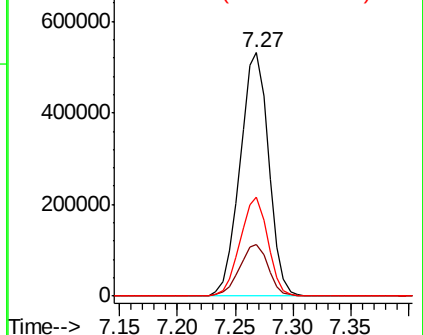
71 40.5 32.0 48.0

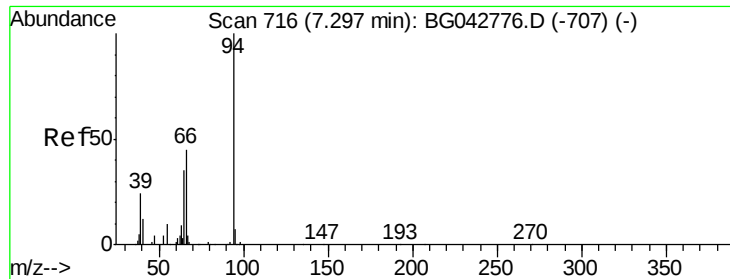


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.305 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

Instrument :

BNA_G

ClientSampleId :

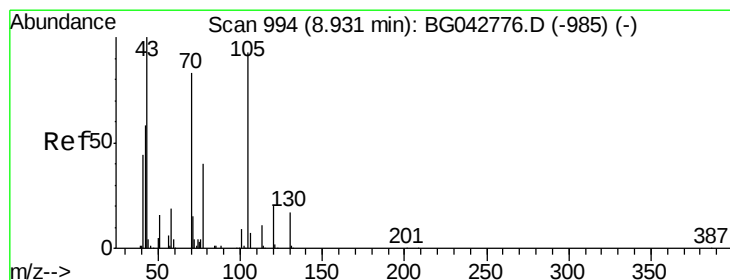
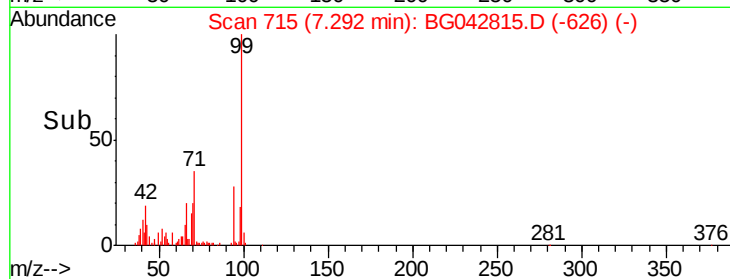
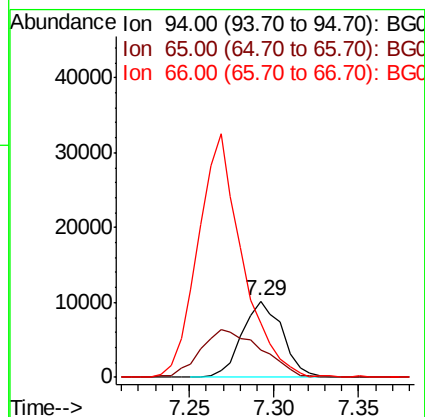
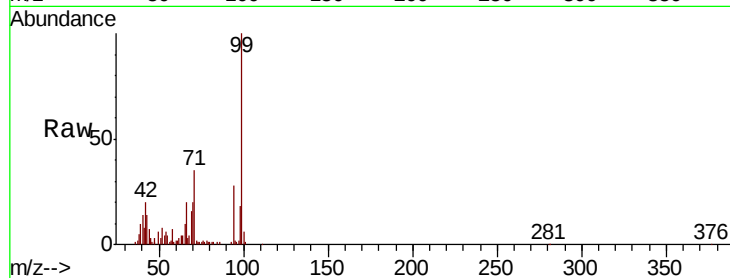
Tot Ion: 94 Resp: 16927

Ion Ratio Lower Upper

94 100

65 36.4 15.0 55.0

66 71.5 26.1 66.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.086 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

Tgt Ion: 70 Resp: 95434

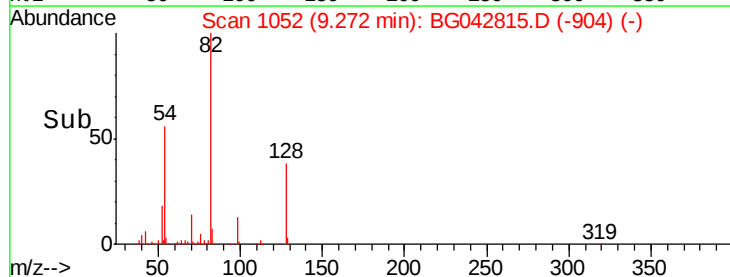
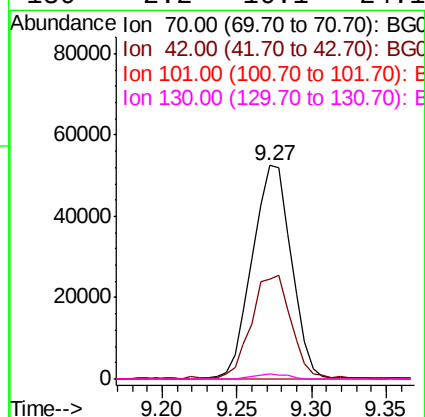
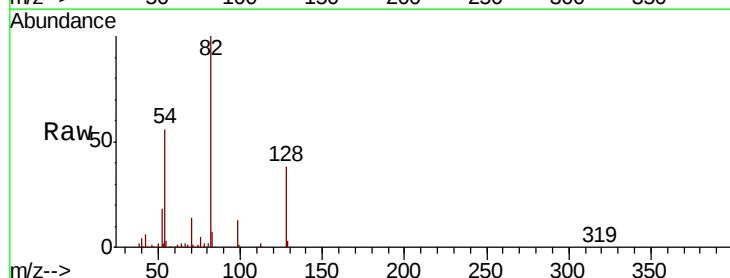
Ion Ratio Lower Upper

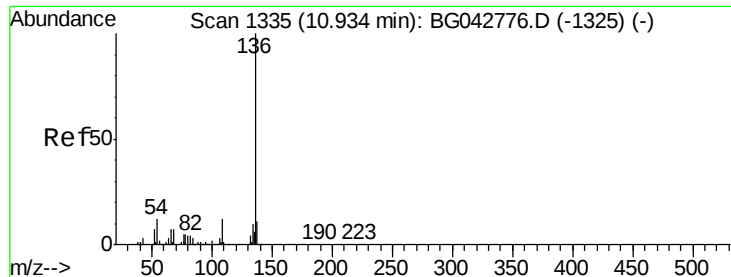
70 100

42 46.5 57.0 85.6#

101 0.0 8.4 12.6#

130 2.2 16.1 24.1#

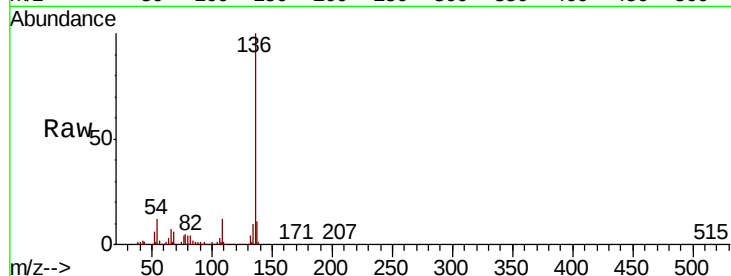




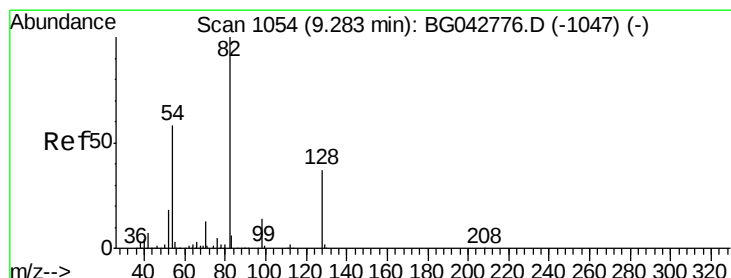
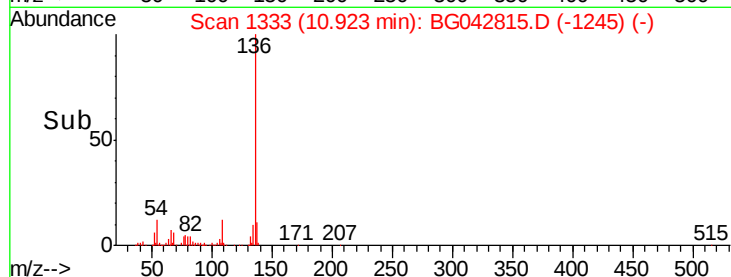
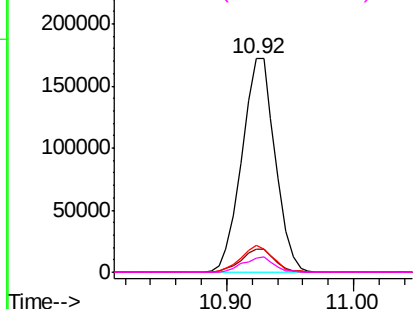
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG042815.D
Acq: 13 Sep 2019 13:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	313092
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.6
54	12.5	9.4 14.0
68	6.4	5.4 8.2

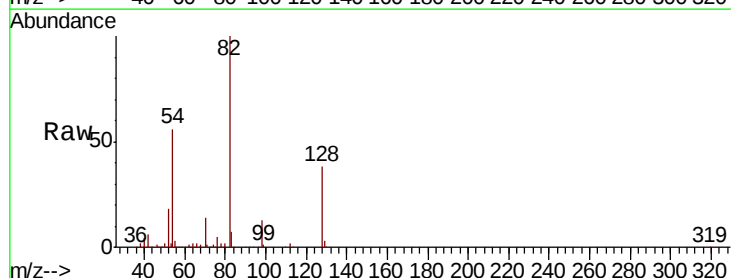


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

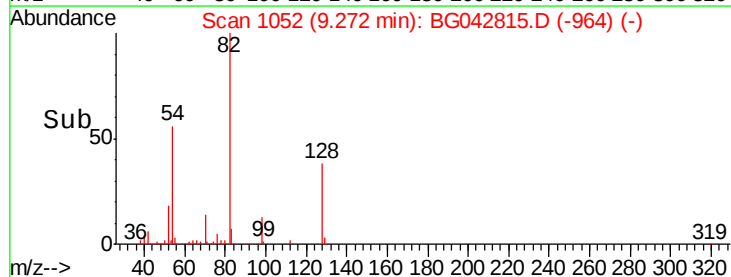
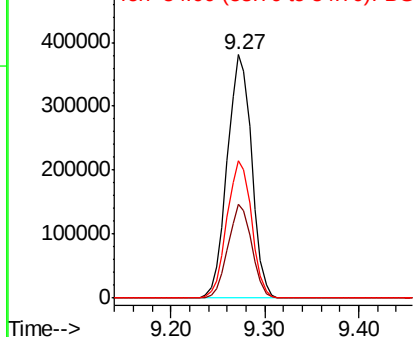


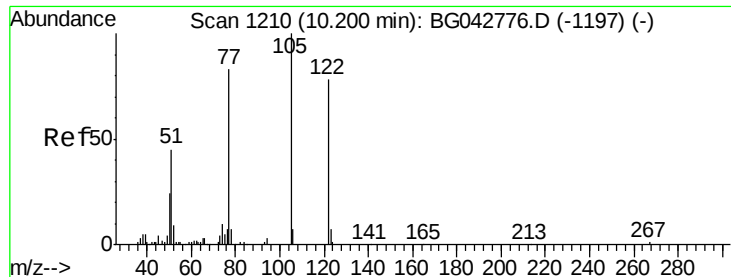
#23
Nitrobenzene-d5
Concen: 114.098 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042815.D
Acq: 13 Sep 2019 13:27

Tgt Ion: 82	Resp:	686163
Ion	Ratio	Lower Upper
82	100	
128	38.4	29.8 44.8
54	56.4	46.1 69.1



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

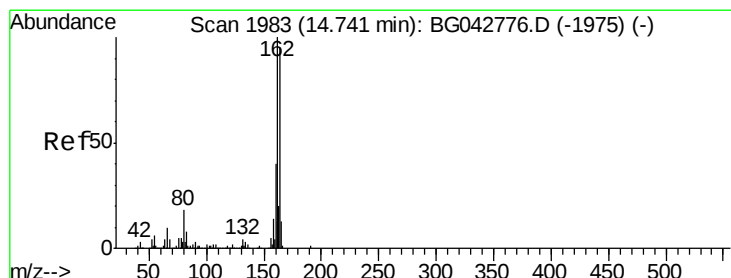
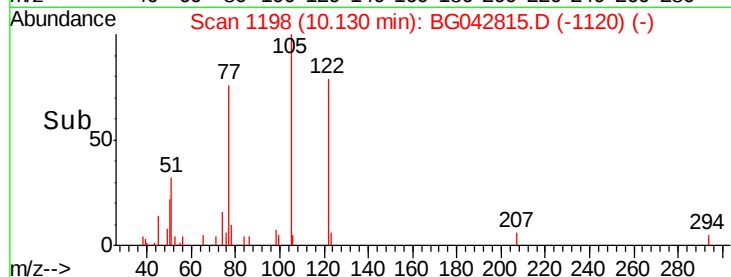
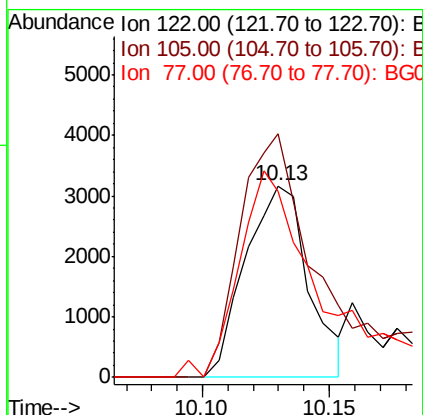
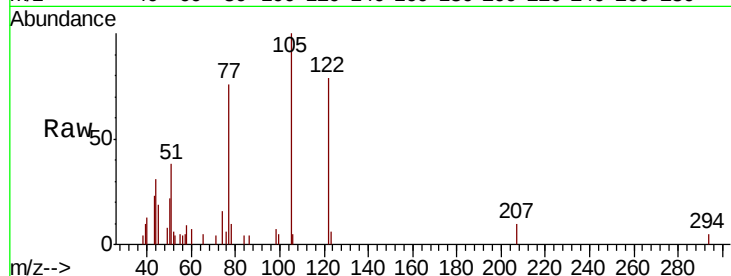




#32
Benzoic acid
Concen: 7.320 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.07 min
Lab File: BG042815.D
Acq: 13 Sep 2019 13:27

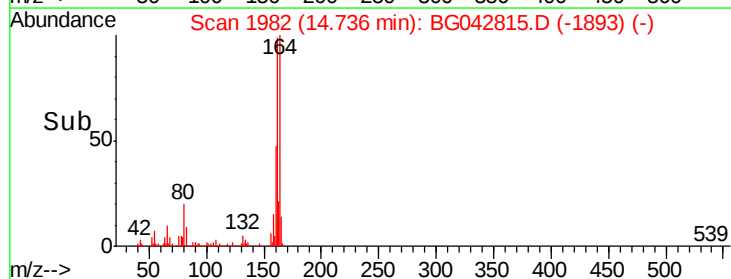
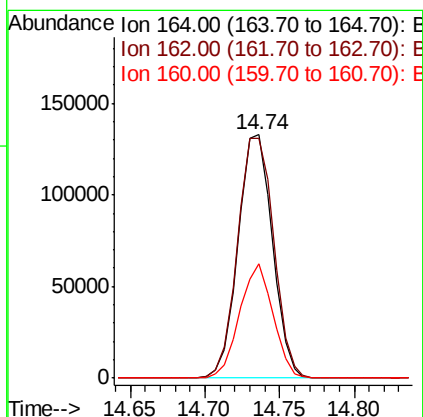
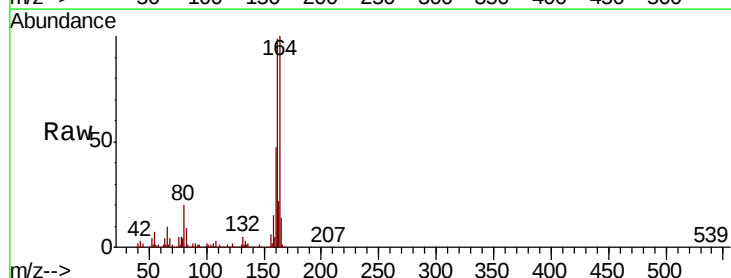
Instrument :
BNA_G
ClientSampled :

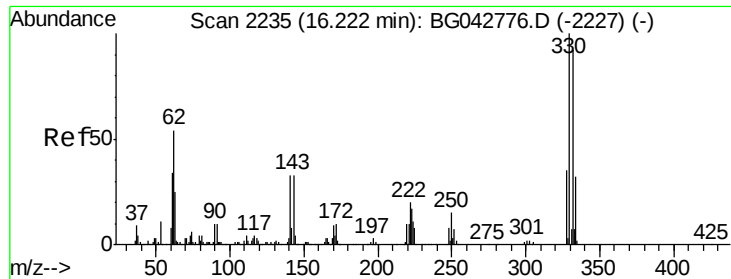
Tot Ion:122 Resp: 5498
Ion Ratio Lower Upper
122 100
105 127.3 104.0 144.0
77 97.1 84.2 124.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG042815.D
Acq: 13 Sep 2019 13:27

Tgt Ion:164 Resp: 212401
Ion Ratio Lower Upper
164 100
162 98.6 84.6 126.8
160 47.0 34.2 51.2

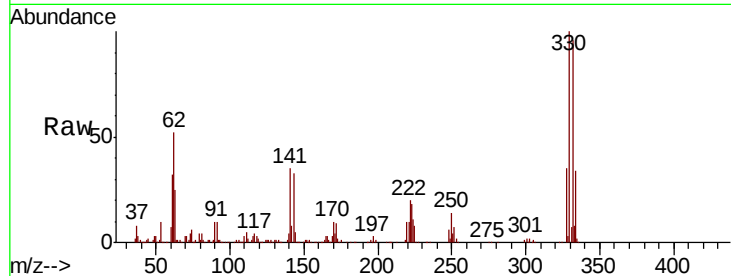




#42
 2,4,6-Tribromophenol
 Concen: 164.090 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042815.D
 Acq: 13 Sep 2019 13:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	35.5	27.0	40.6

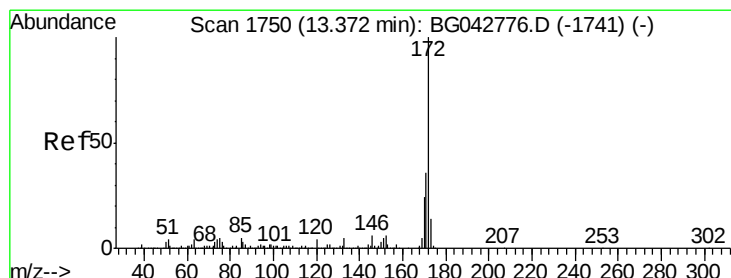
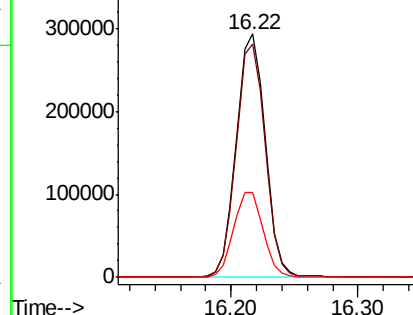
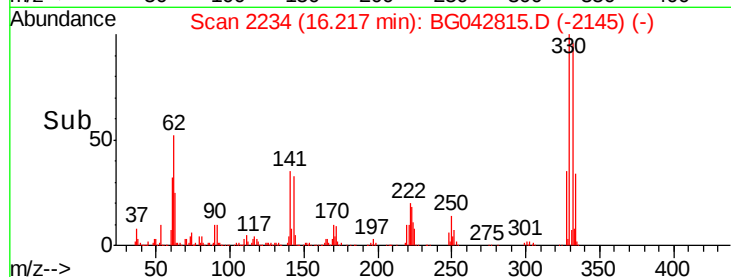


Abundance

Ion 329.80 (329.50 to 330.50): E

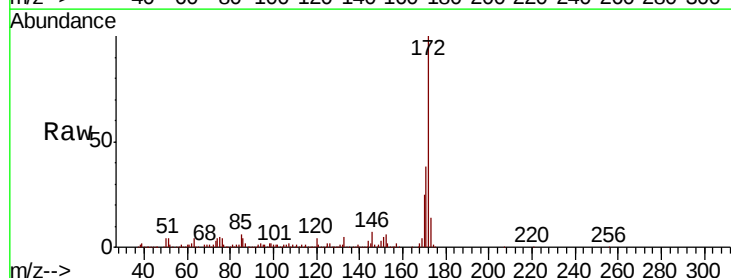
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 105.845 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG042815.D
 Acq: 13 Sep 2019 13:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.9	43.3
170	24.8	19.1	28.7

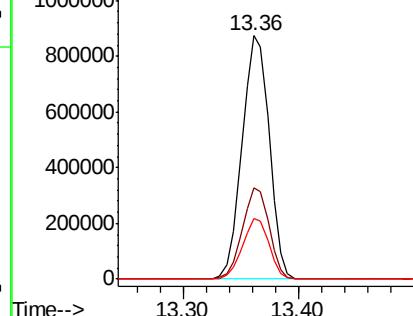
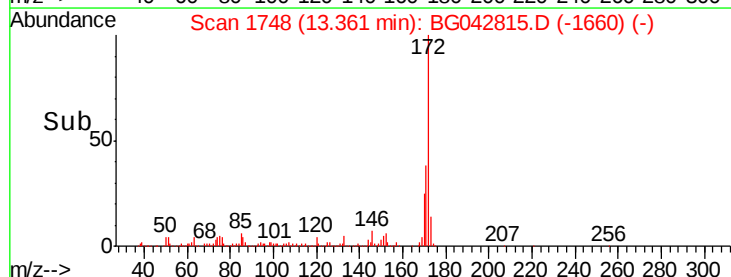


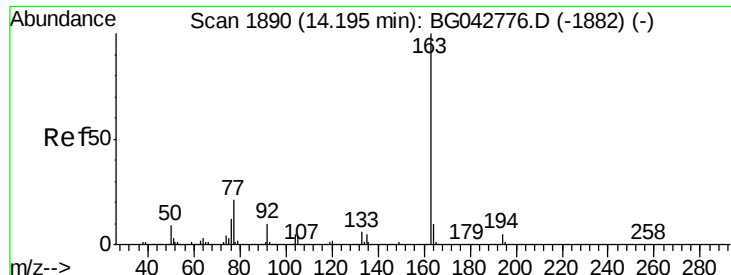
Abundance

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: 12.056 ng

RT: 14.18 min Scan# 1887

Delta R.T. -0.02 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

Instrument :

BNA_G

ClientSampleId :

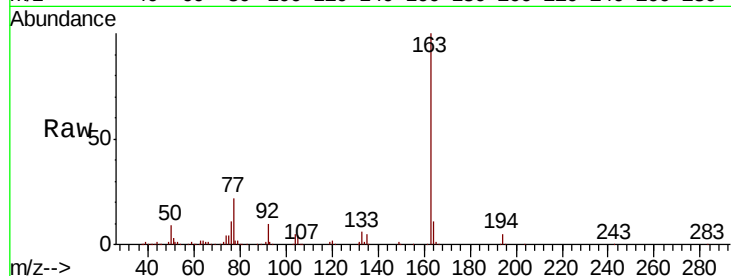
Tot Ion:163 Resp: 191830

Ion Ratio Lower Upper

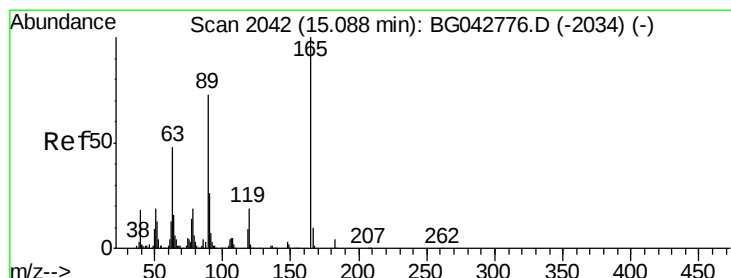
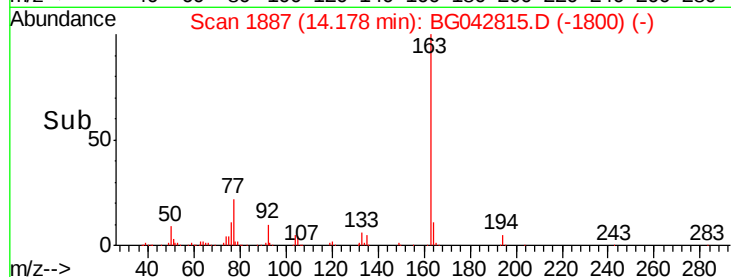
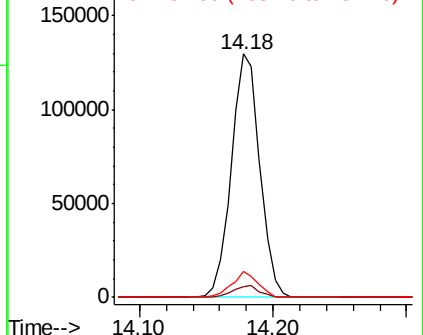
163 100

194 4.6 4.2 6.4

164 10.5 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: 6.703 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.36 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

Tgt Ion:165 Resp: 29169

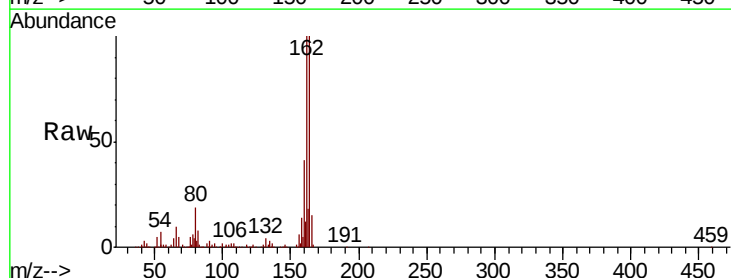
Ion Ratio Lower Upper

165 100

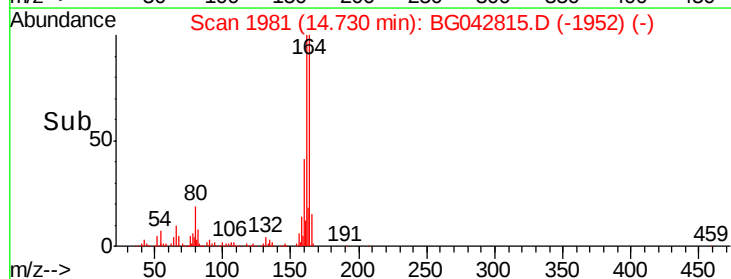
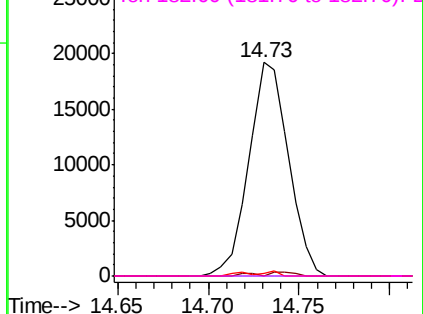
63 0.0 38.3 57.5#

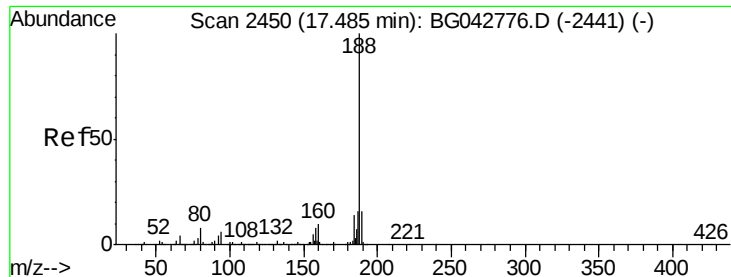
89 1.2 58.4 87.6#

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: BG042815.D

Acq: 13 Sep 2019 13:27

Instrument :

BNA_G

ClientSampleId :

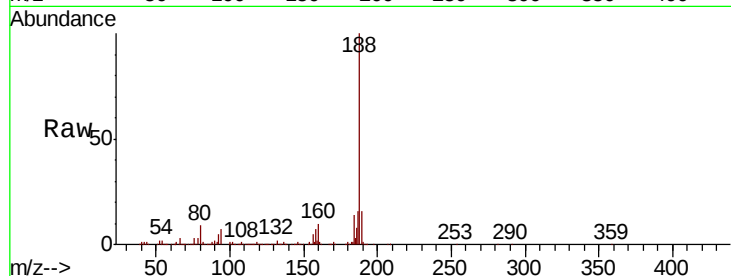
Tot Ion:188 Resp: 516128

Ion Ratio Lower Upper

188 100

94 6.8 4.8 7.2

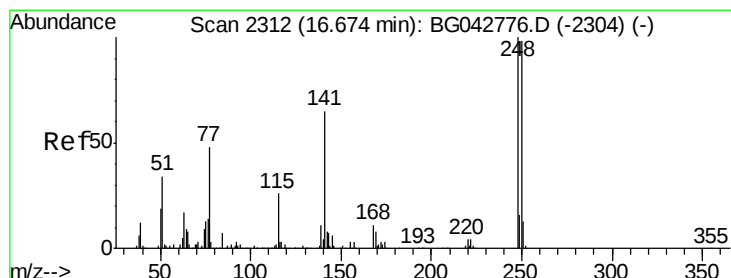
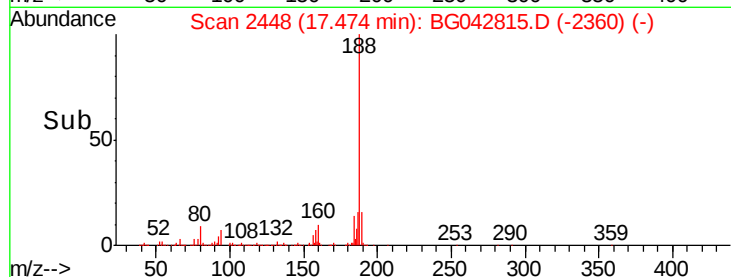
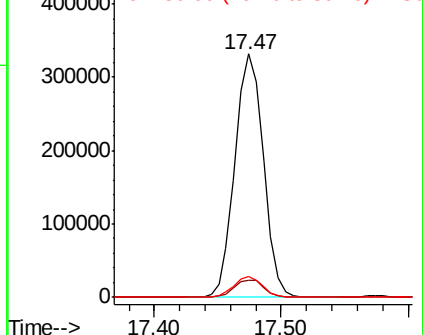
80 8.5 6.6 9.8



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: 5.101 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.46 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

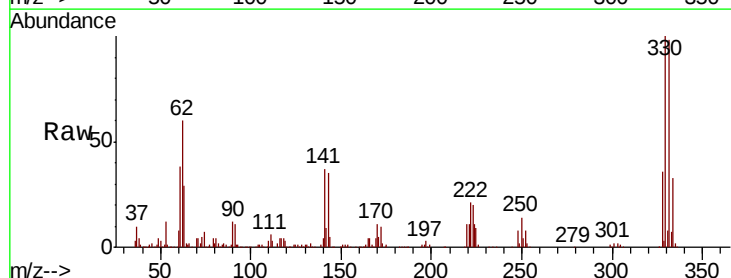
Tgt Ion:248 Resp: 31867

Ion Ratio Lower Upper

248 100

250 181.6 78.0 117.0#

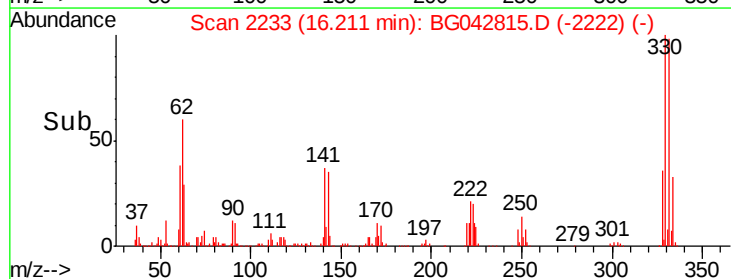
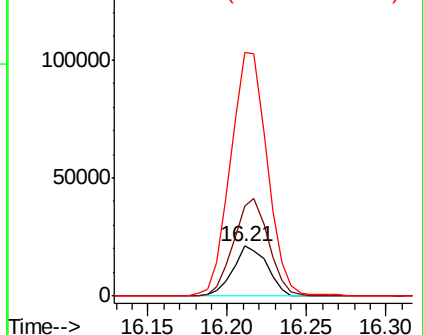
141 488.5 51.8 77.6#

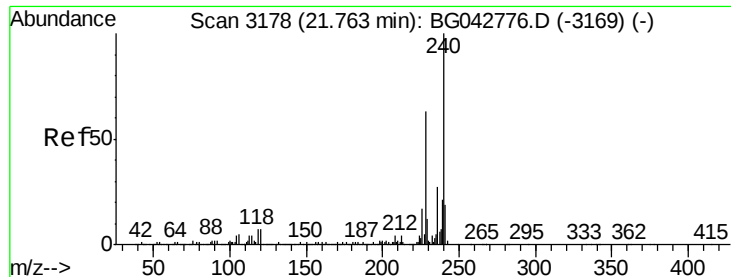


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG042815.D

Acq: 13 Sep 2019 13:27

Instrument :

BNA_G

ClientSampleId :

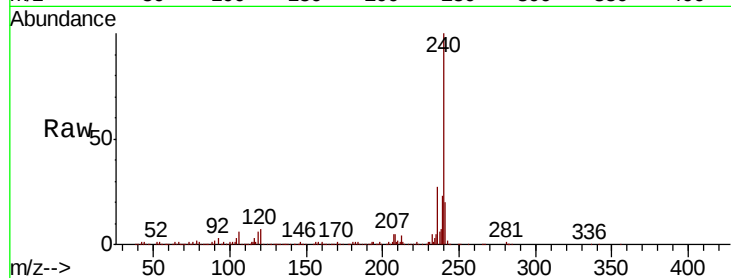
Tot Ion:240 Resp: 539971

Ion Ratio Lower Upper

240 100

120 7.3 5.4 8.2

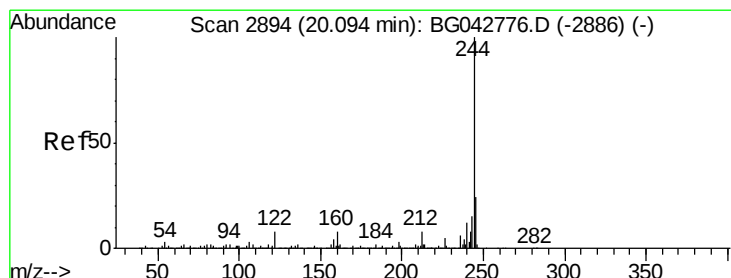
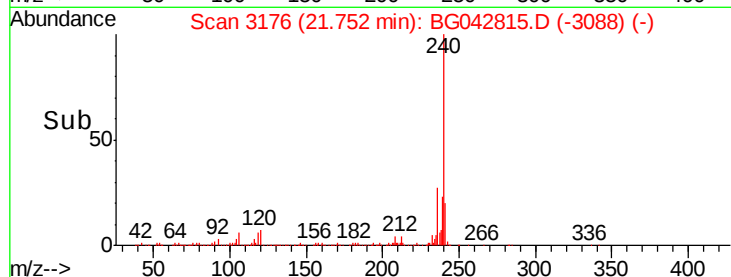
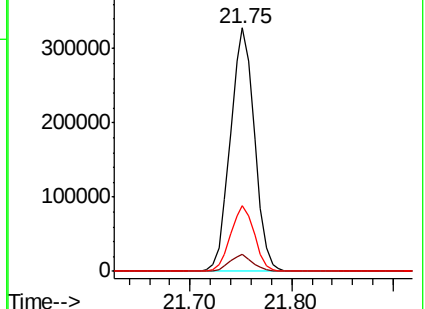
236 26.8 21.7 32.5



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



#79

Terphenyl-d14

Concen: 103.703 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042815.D

Acq: 13 Sep 2019 13:27

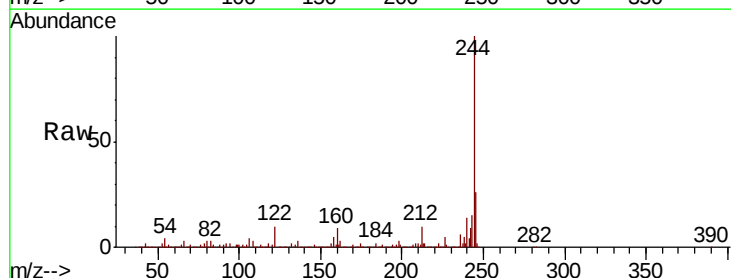
Tgt Ion:244 Resp: 2526602

Ion Ratio Lower Upper

244 100

212 9.6 6.6 10.0

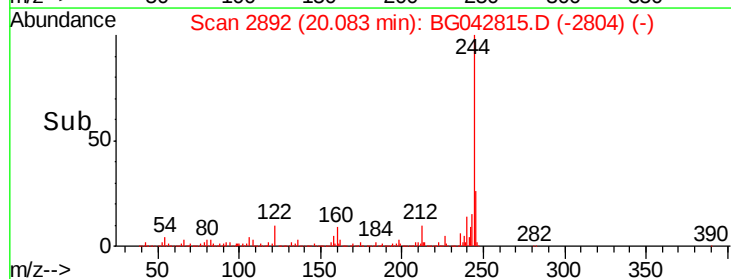
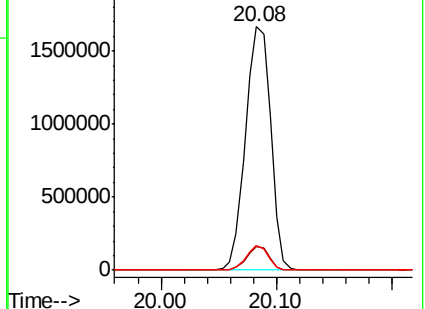
122 10.2 6.2 9.4#

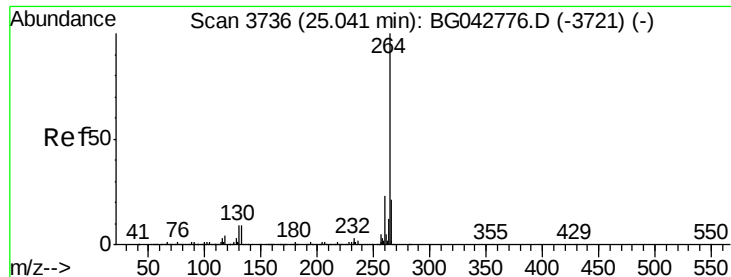


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

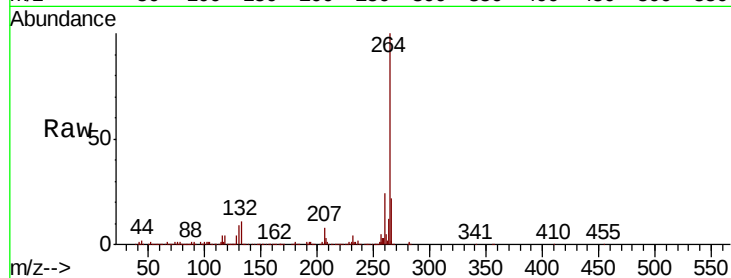




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3732
 Delta R.T. -0.02 min
 Lab File: BG042815.D
 Acq: 13 Sep 2019 13:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	22.0	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

