

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042539.D
 Acq On : 28 Aug 2019 19:18
 Operator : HP/JU
 Sample : K4571-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 05:59:03 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

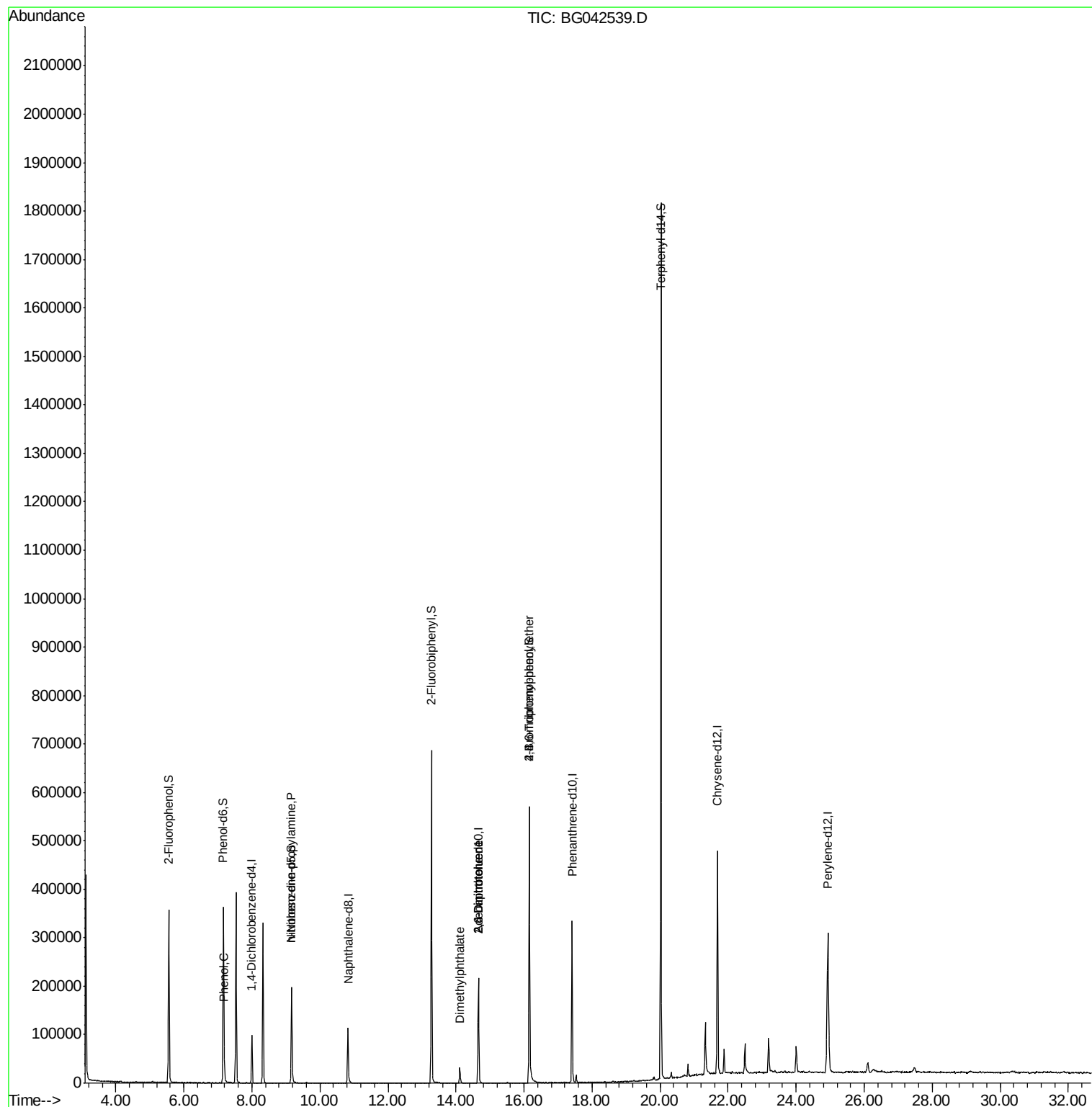
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34174	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	124923	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	92228	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	242683	20.00	ng	0.00
76) Chrysene-d12	21.69	240	299444	20.00	ng	0.00
87) Perylene-d12	24.93	264	350751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	188371	111.64	ng	0.00
7) Phenol-d6	7.16	99	243217	106.71	ng	0.00
23) Nitrobenzene-d5	9.17	82	135005	74.68	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	168381	128.45	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	423816	77.72	ng	0.00
79) Terphenyl-d14	20.02	244	967185	69.83	ng	0.00
Target Compounds						
10) Phenol	7.19	94	13478	5.816	ng	87
19) n-Nitroso-di-n-propylamine	9.17	70	17565	11.895	ng	# 77
50) Dimethylphthalate	14.11	163	35870	5.390	ng	99
51) 2,6-Dinitrotoluene	14.66	165	12145	7.874	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12145	5.498	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	11029	3.583	ng	# 1

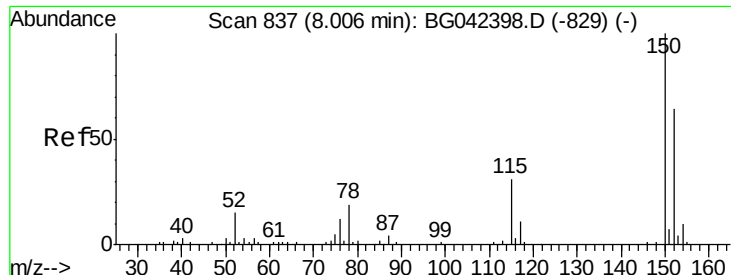
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



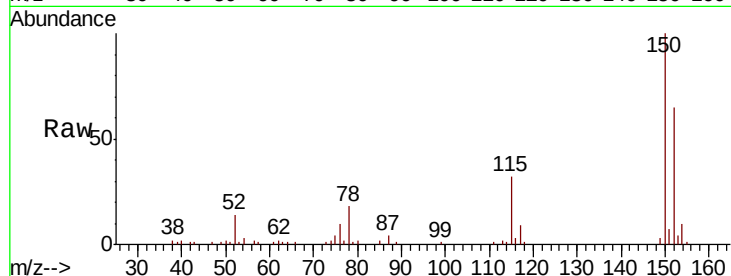


#1

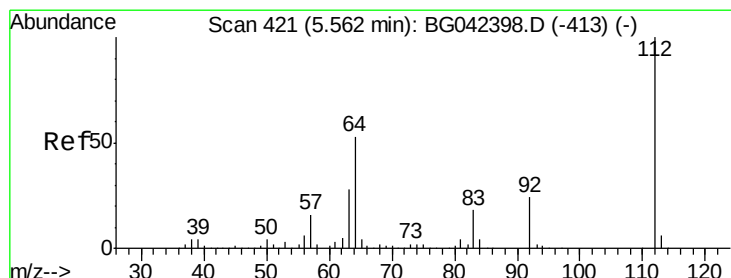
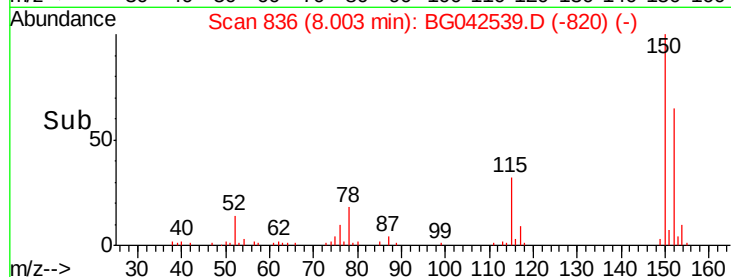
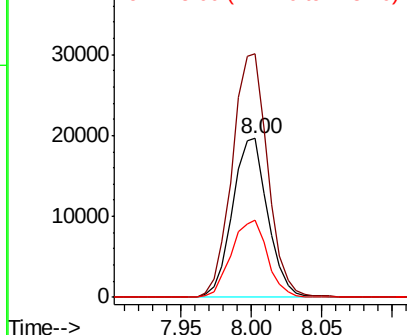
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34174
Ion Ratio Lower Upper
152 100
150 153.2 125.4 188.0
115 48.9 38.5 57.7



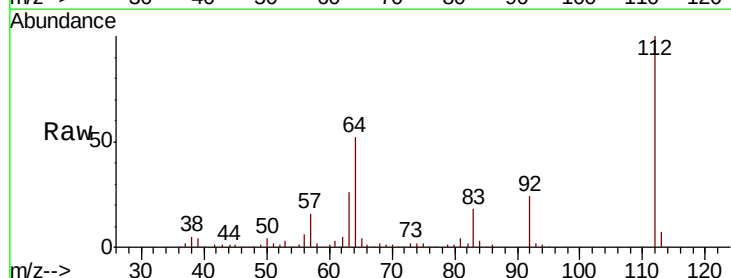
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



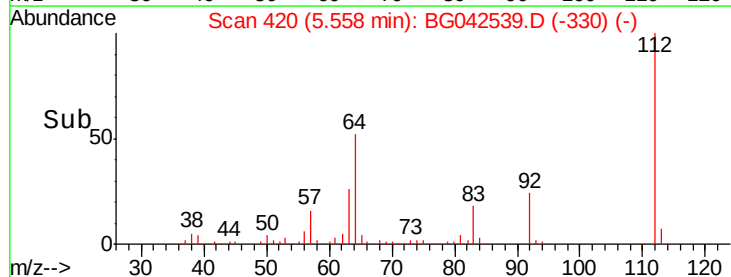
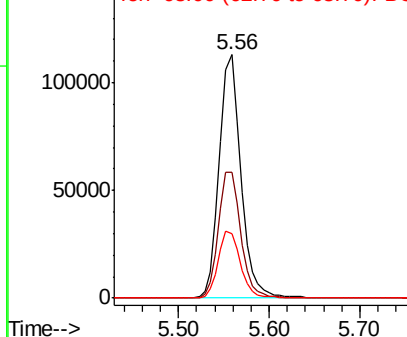
#5

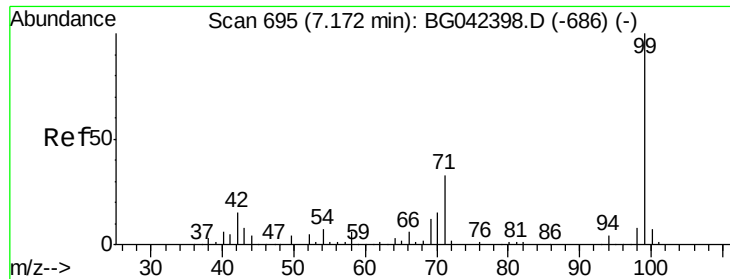
2-Fluorophenol
Concen: 111.636 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Tgt Ion:112 Resp: 188371
Ion Ratio Lower Upper
112 100
64 51.7 42.8 64.2
63 26.4 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: 106.709 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042539.D

Acq: 28 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

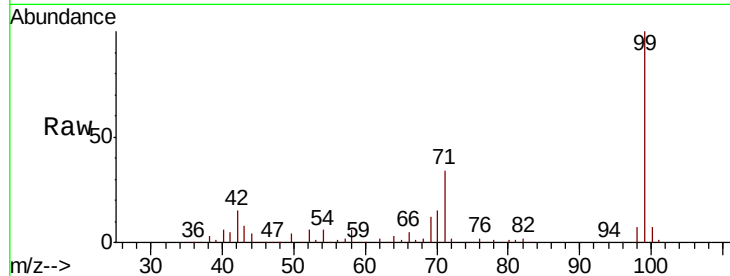
Tot Ion: 99 Resp: 243217

Ion Ratio Lower Upper

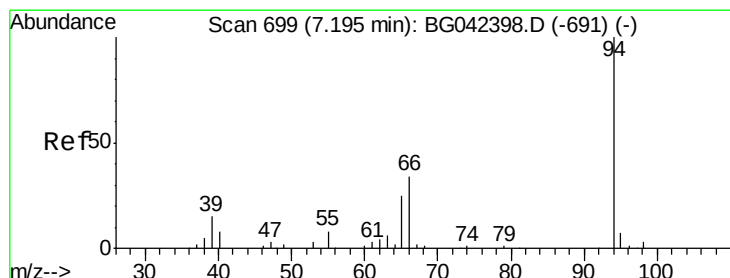
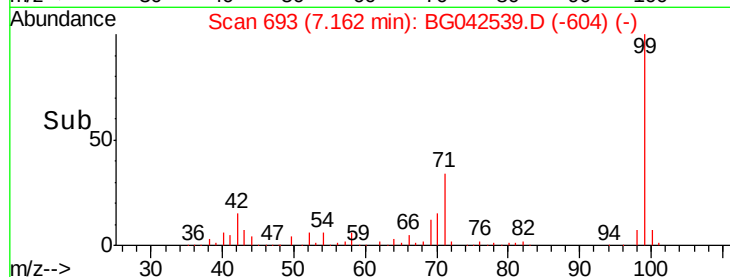
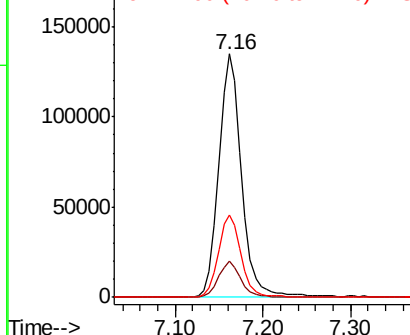
99 100

42 14.7 12.0 18.0

71 34.0 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



#10

Phenol

Concen: 5.816 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042539.D

Acq: 28 Aug 2019 19:18

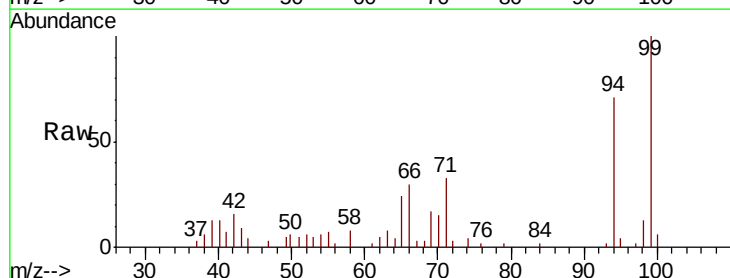
Tgt Ion: 94 Resp: 13478

Ion Ratio Lower Upper

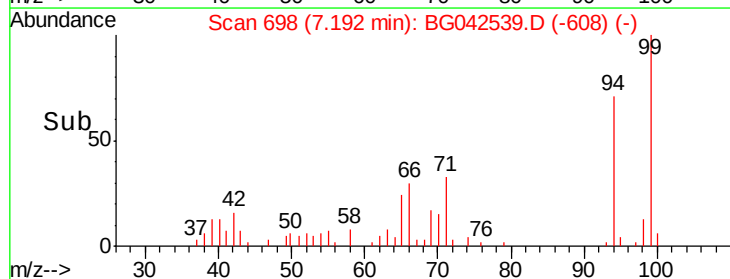
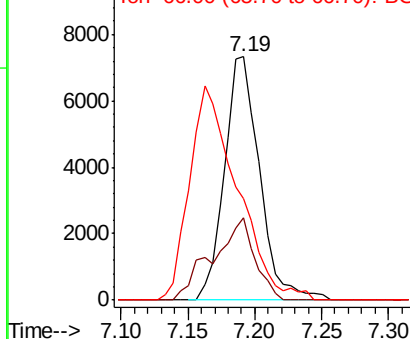
94 100

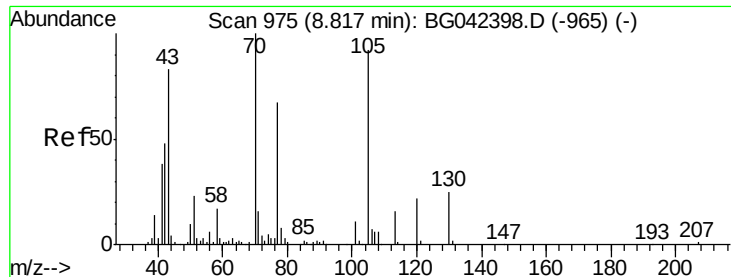
65 34.0 5.6 45.6

66 42.0 16.0 56.0



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

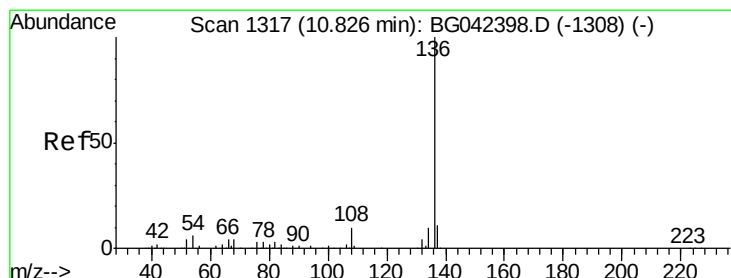
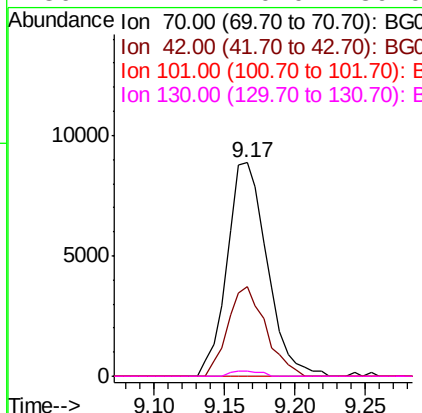
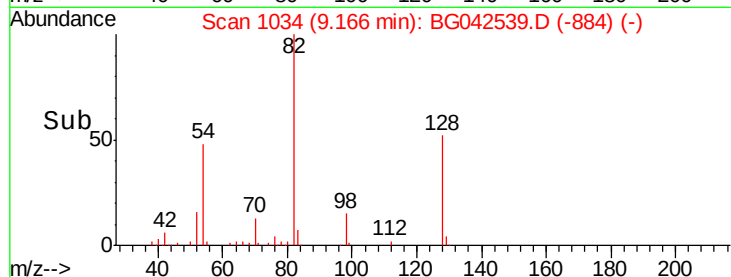
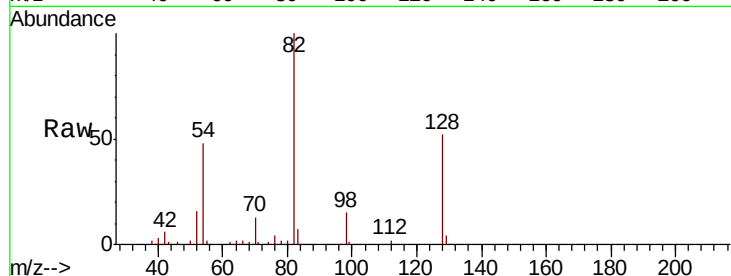




#19
n-Nitroso-di-n-propylamine
Concen: 11.895 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

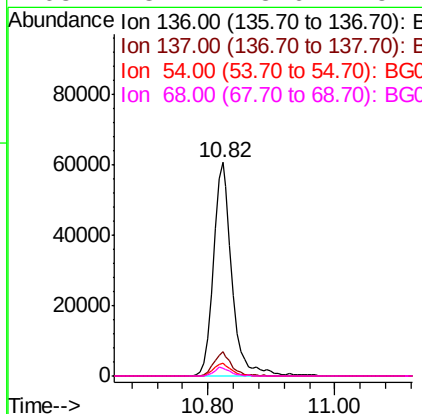
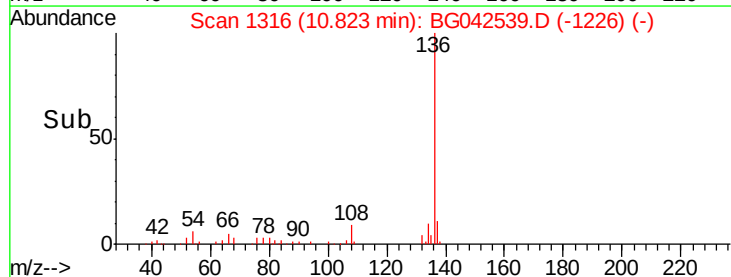
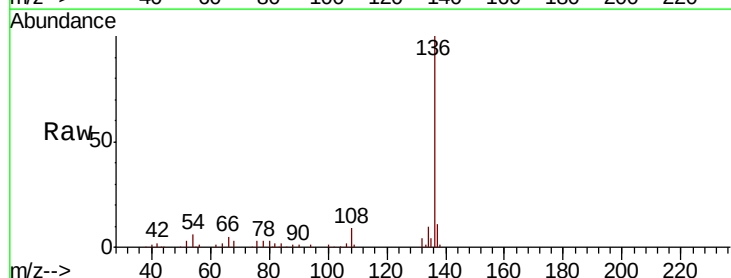
Instrument :
BNA_G
ClientSampled :

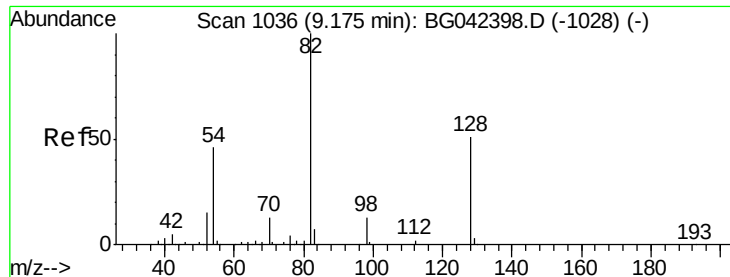
Tot Ion: 70 Resp: 17565
Ion Ratio Lower Upper
70 100
42 42.2 38.8 58.2
101 0.0 9.0 13.6#
130 2.2 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Tgt Ion: 136 Resp: 124923
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 6.2 4.9 7.3
68 3.4 3.6 5.4#

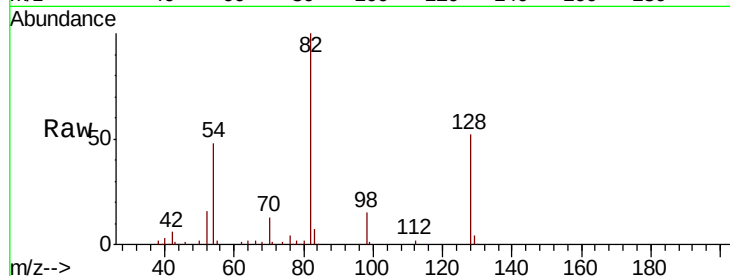




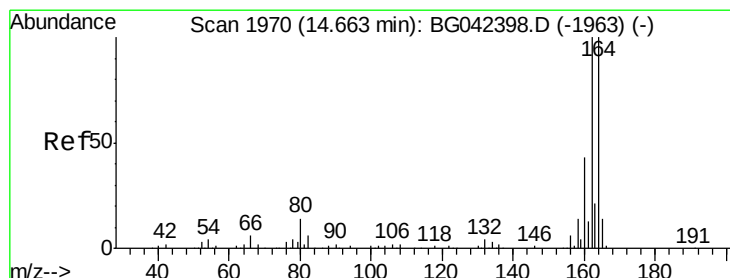
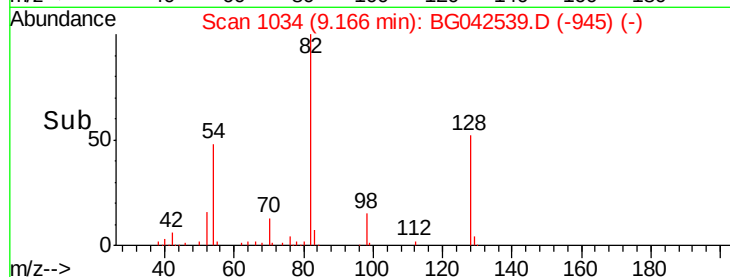
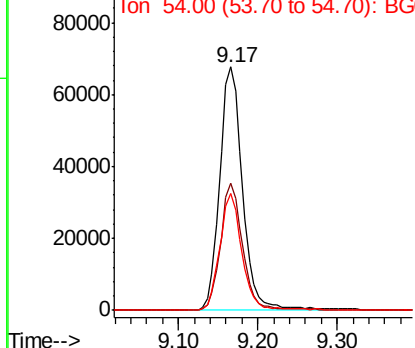
#23
Nitrobenzene-d5
Concen: 74.681 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 135005
Ion Ratio Lower Upper
82 100
128 52.3 40.7 61.1
54 48.1 36.3 54.5

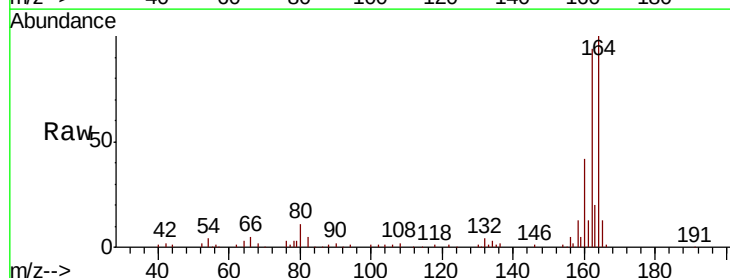


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

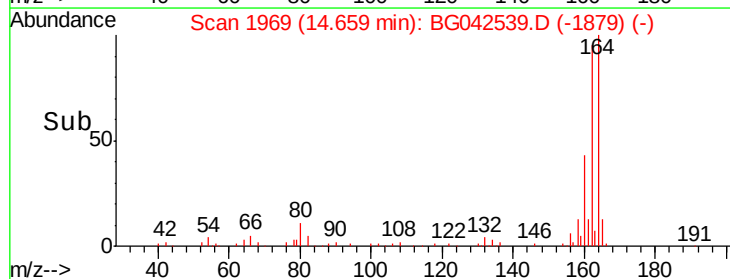
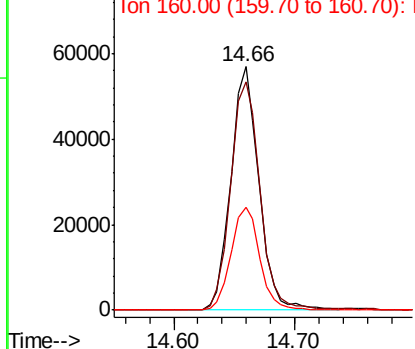


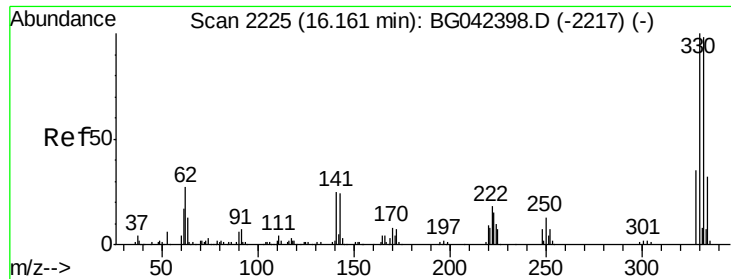
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Tgt Ion: 164 Resp: 92228
Ion Ratio Lower Upper
164 100
162 93.8 79.9 119.9
160 42.1 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

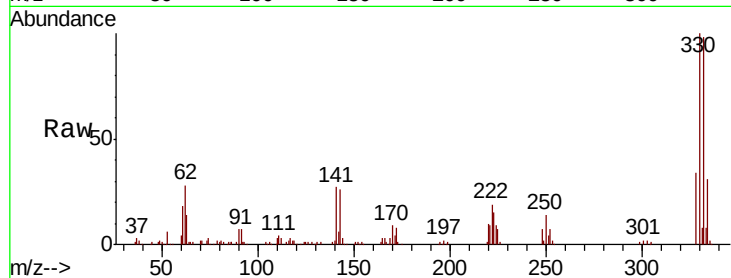




#42
 2,4,6-Tribromophenol
 Concen: 128.450 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042539.D
 Acq: 28 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	27.1	21.4	32.0

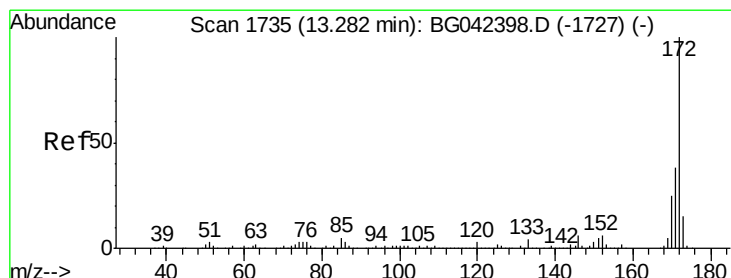
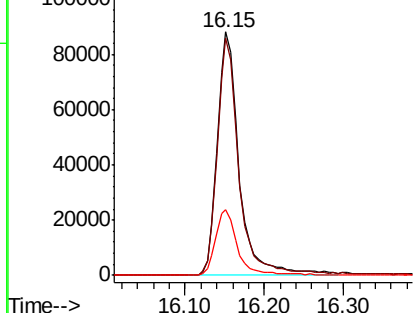
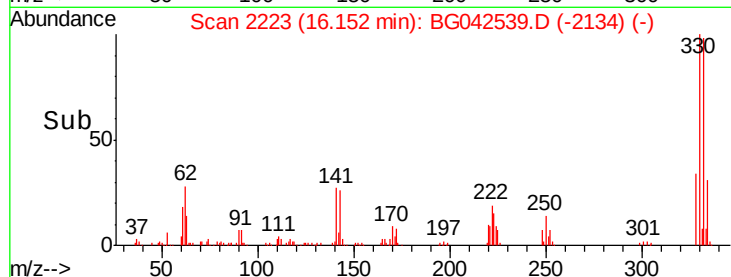


Abundance

Ion 329.80 (329.50 to 330.50): E

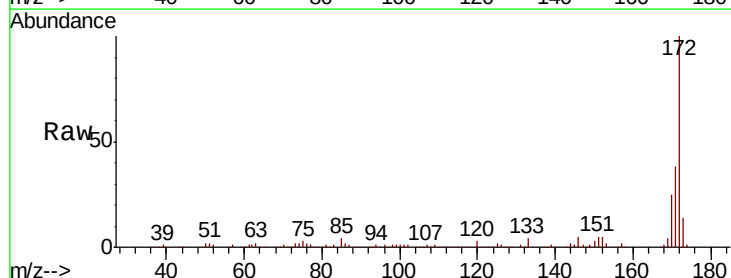
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.720 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042539.D
 Acq: 28 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	24.5	20.2	30.2

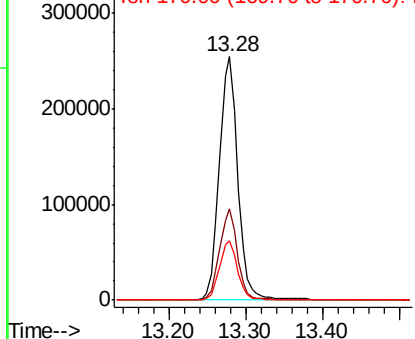
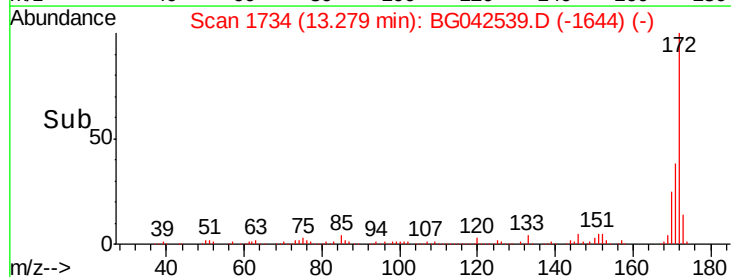


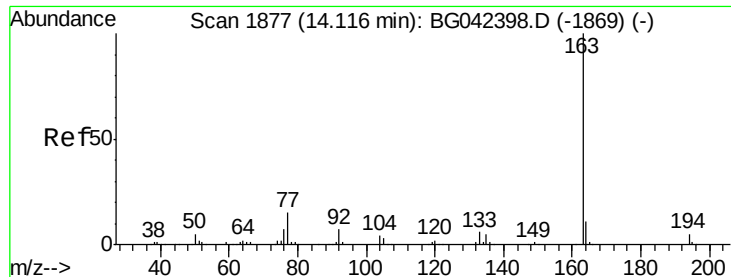
Abundance

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

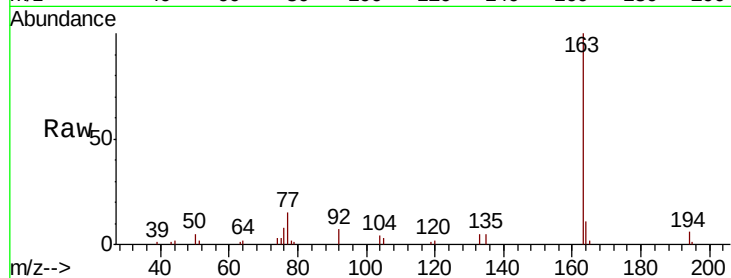




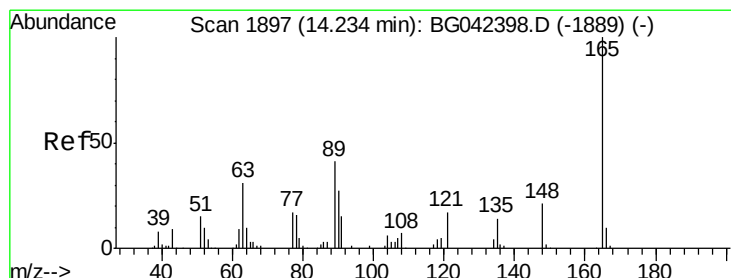
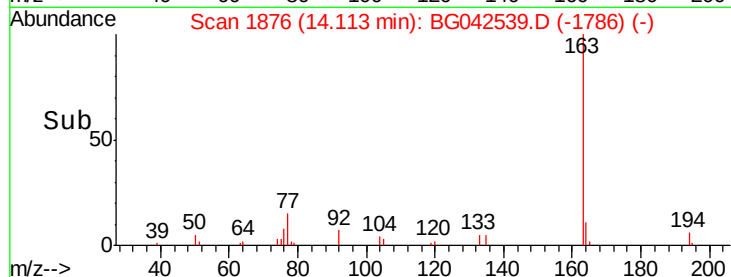
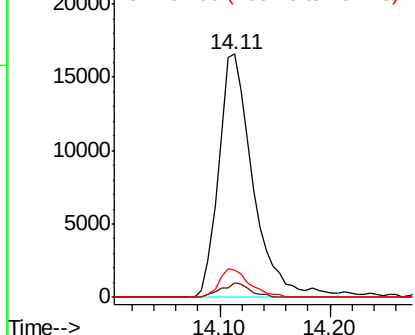
#50
Dimethylphthalate
Concen: 5.390 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 35870
Ion Ratio Lower Upper
163 100
194 5.7 4.2 6.2
164 11.3 8.8 13.2

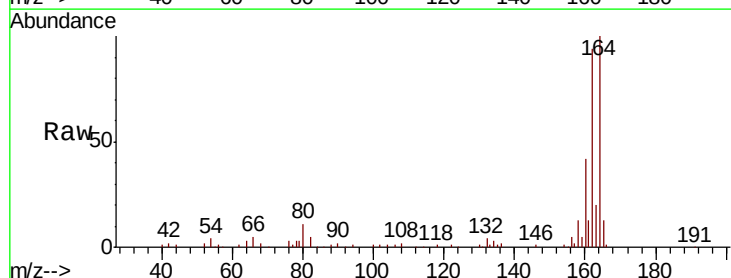


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

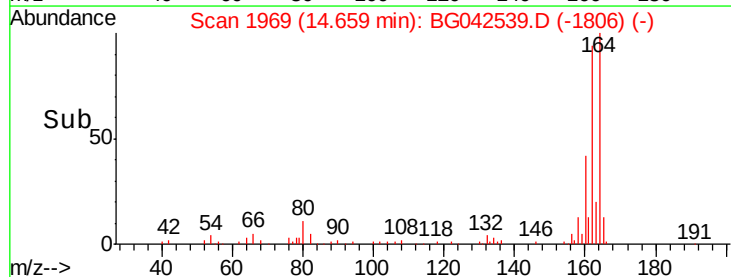
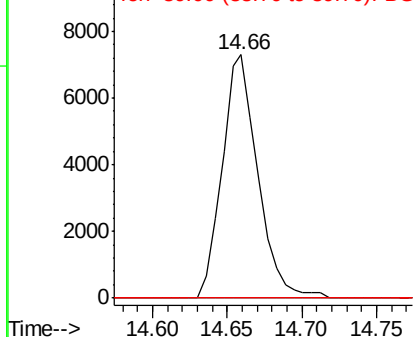


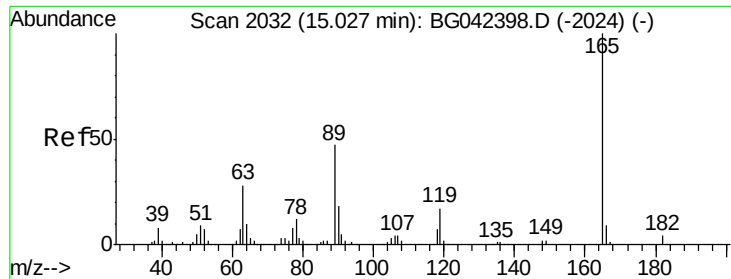
#51
2,6-Dinitrotoluene
Concen: 7.874 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.43 min
Lab File: BG042539.D
Acq: 28 Aug 2019 19:18

Tgt Ion:165 Resp: 12145
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

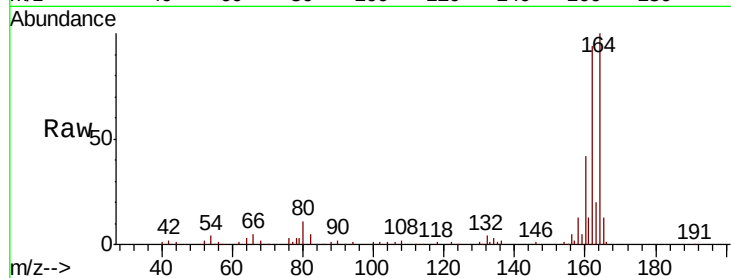




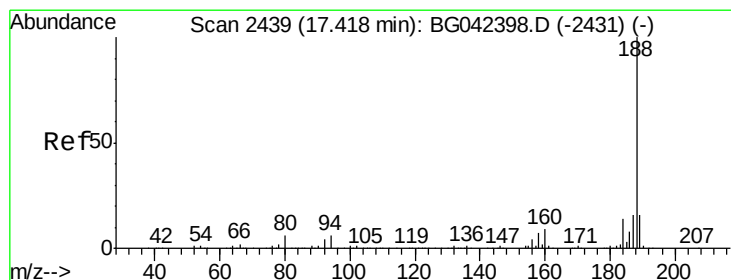
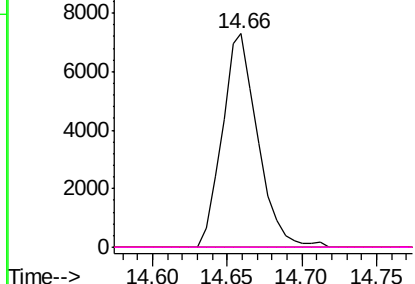
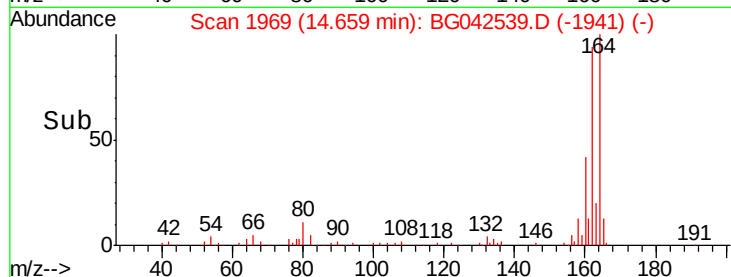
#57
 2,4-Dinitrotoluene
 Concen: 5.498 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042539.D
 Acq: 28 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	12145
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#

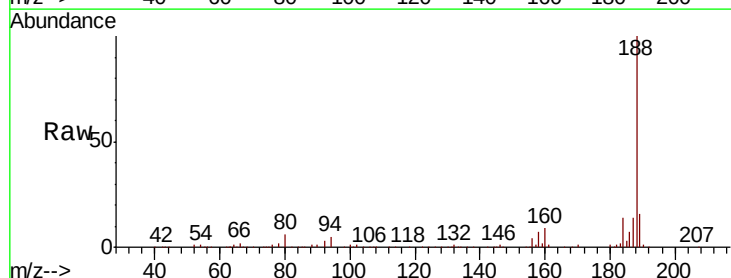


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

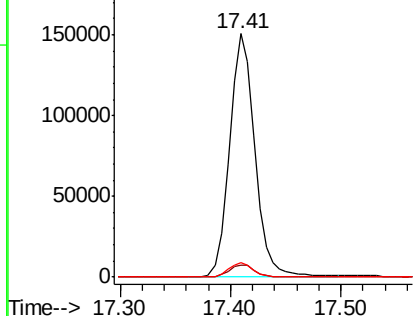
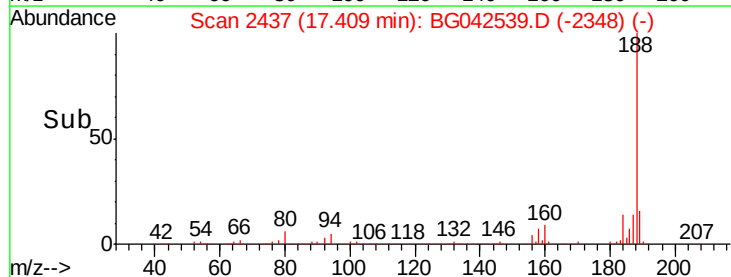


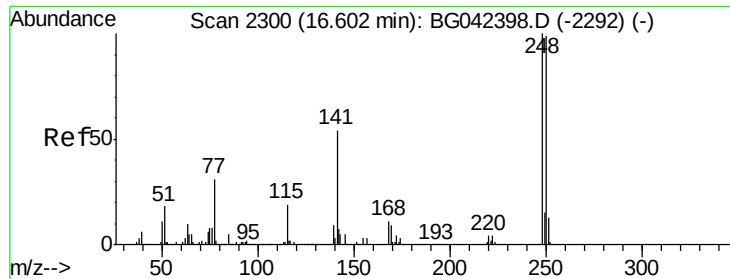
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042539.D
 Acq: 28 Aug 2019 19:18

Tgt Ion:188	Resp:	242683
Ion Ratio	Lower	Upper
188	100	
94	4.9	4.5 6.7
80	6.0	4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

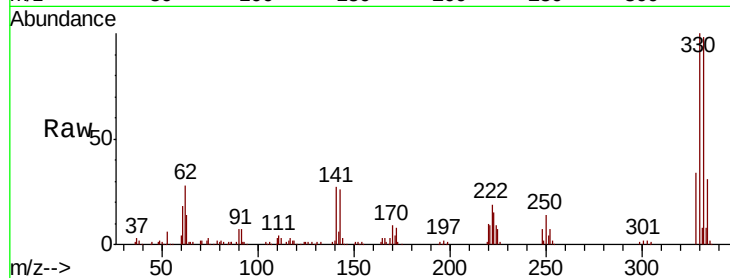




#67
 4-Bromophenyl-phenylether
 Concen: 3.583 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042539.D
 Acq: 28 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	210.0	78.9	118.3#
141	405.5	43.3	64.9#

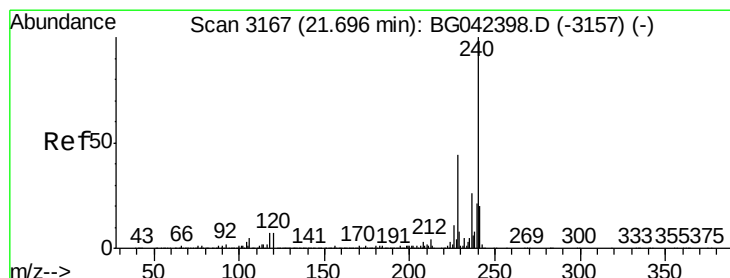
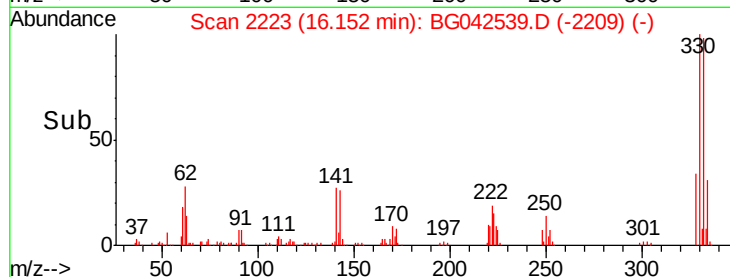
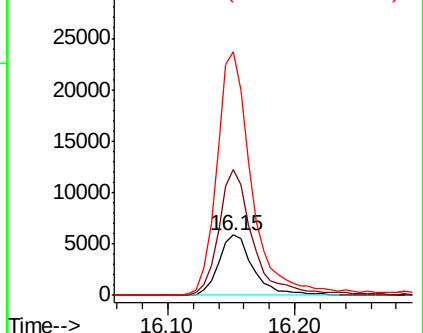


Abundance

Ion 248.00 (247.70 to 248.70): E

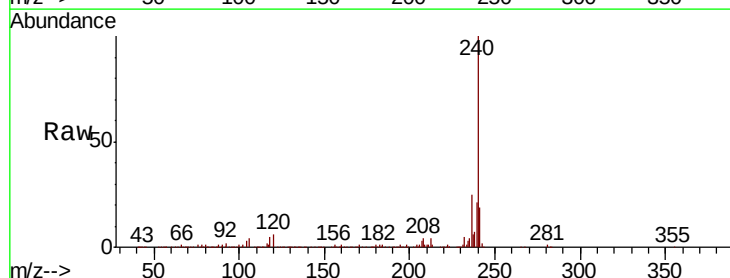
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042539.D
 Acq: 28 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.7	8.5
236	24.8	21.0	31.4

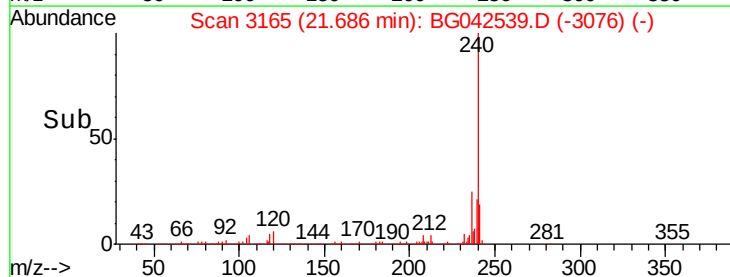
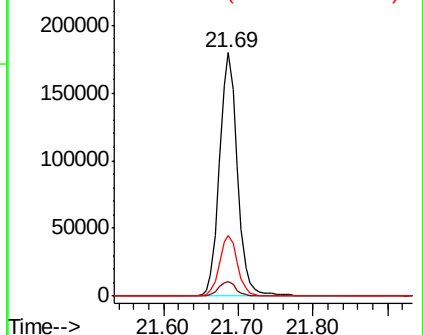


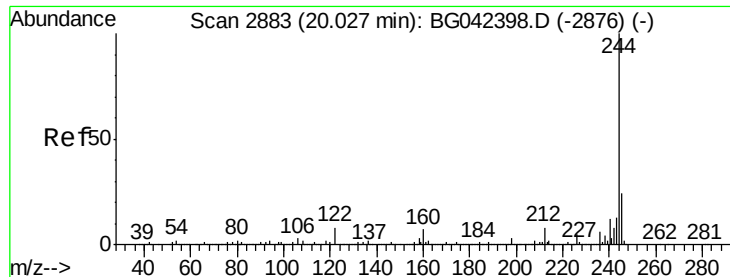
Abundance

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





#79

Terphenyl-d14

Concen: 69.829 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042539.D

Acq: 28 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

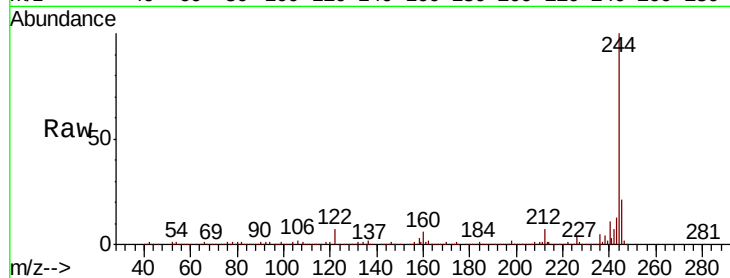
Tot Ion:244 Resp: 967185

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

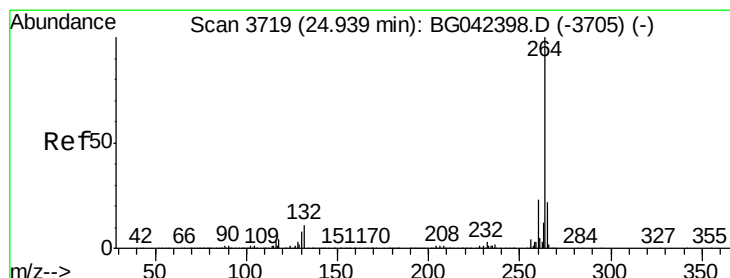
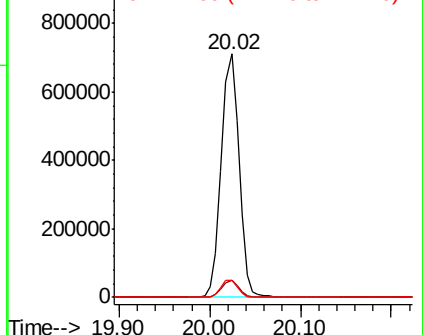
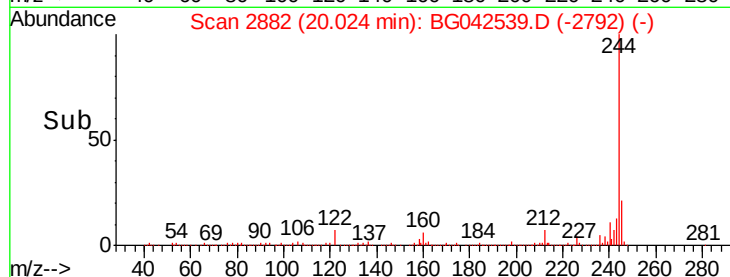
122 6.9 6.7 10.1



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: BG042539.D

Acq: 28 Aug 2019 19:18

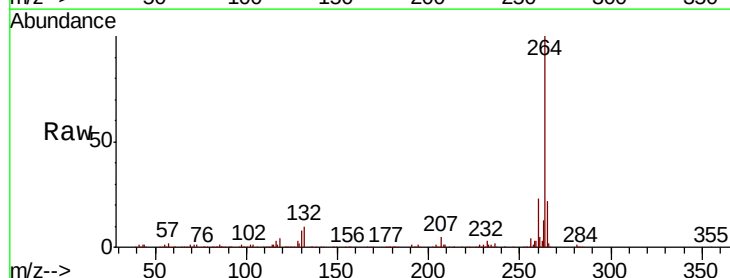
Tgt Ion:264 Resp: 350751

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.9 17.6 26.4



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

