

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042949.D
 Acq On : 30 Sep 2019 18:56
 Operator : JU
 Sample : K5083-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:11:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

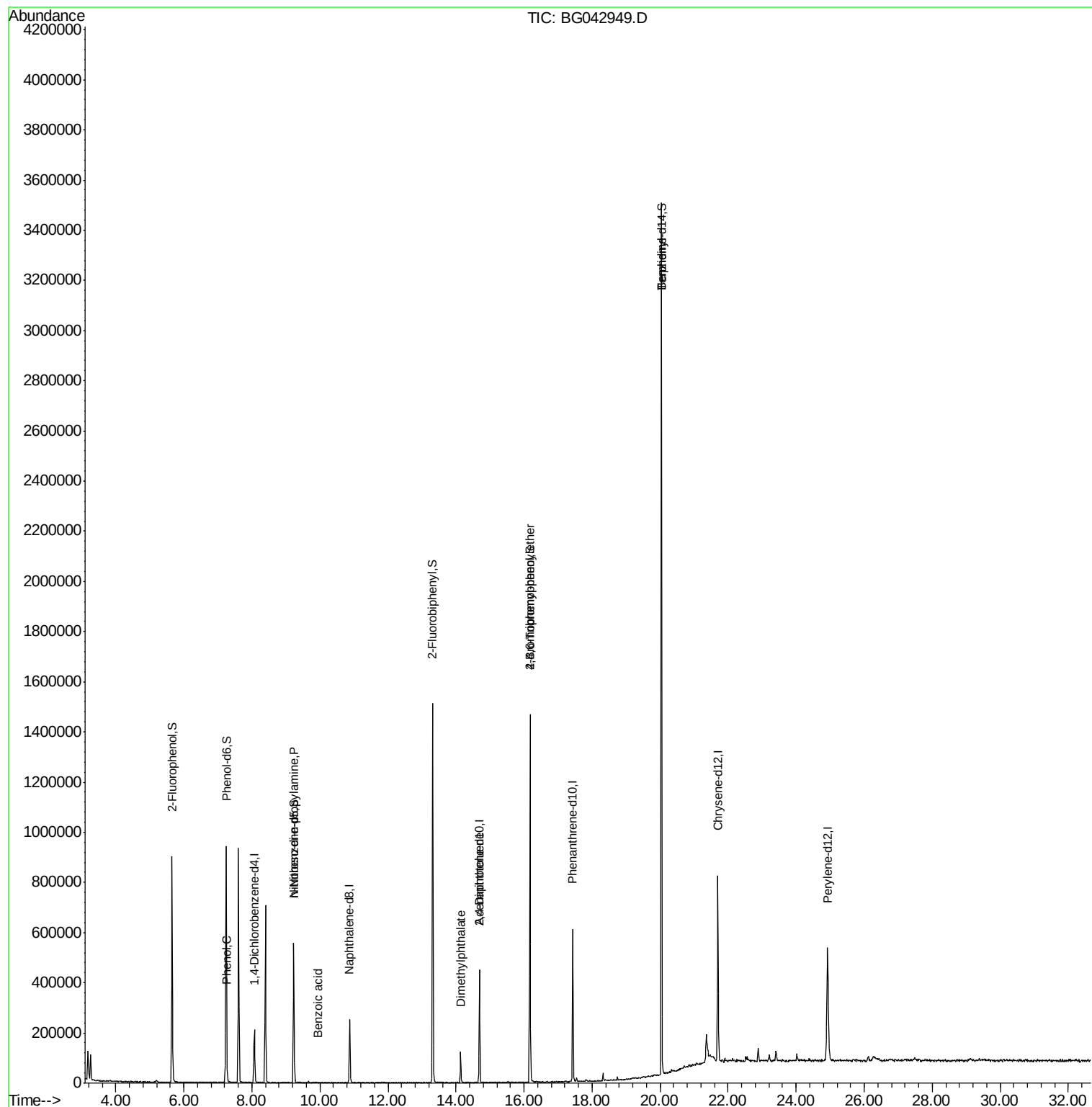
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	59979	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	212230	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	155734	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	396295	20.00	ng	0.00
76) Chrysene-d12	21.70	240	471502	20.00	ng	-0.02
87) Perylene-d12	24.92	264	531251	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	367203	109.26	ng	0.00
7) Phenol-d6	7.24	99	524669	108.41	ng	0.00
23) Nitrobenzene-d5	9.23	82	336215	77.00	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	297815	111.21	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	797210	74.21	ng	-0.01
79) Terphenyl-d14	20.04	244	1661362	75.08	ng	0.00
Target Compounds						
10) Phenol	7.27	94	15684	3.532	ng	85
19) n-Nitroso-di-n-propylamine	9.23	70	45858	14.430	ng	# 79
32) Benzoic acid	9.94	122	63	2.831	ng	# 1
50) Dimethylphthalate	14.14	163	87110	7.465	ng	# 95
57) 2,4-Dinitrotoluene	14.69	165	21315	5.858	ng	# 27
67) 4-Bromophenyl-phenylether	16.17	248	20497	4.121	ng	# 1
77) Benzidine	20.04	184	27717	2.348	ng	# 96

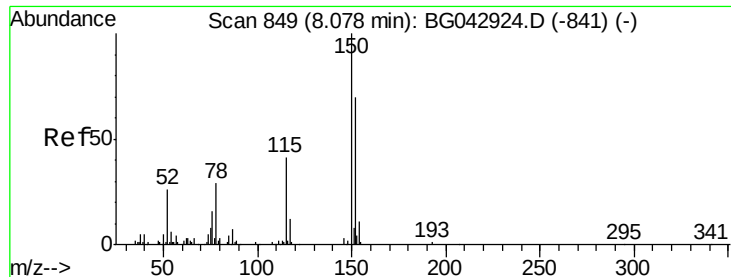
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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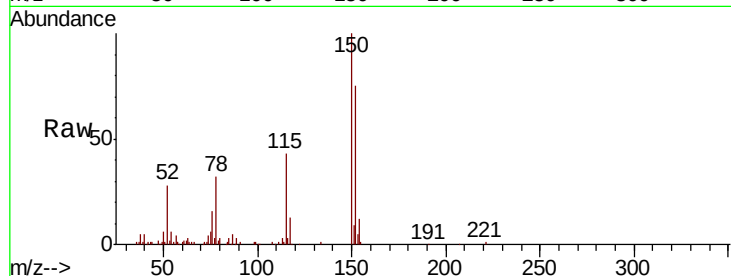


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.8	115.0	172.4
115	57.6	47.0	70.6

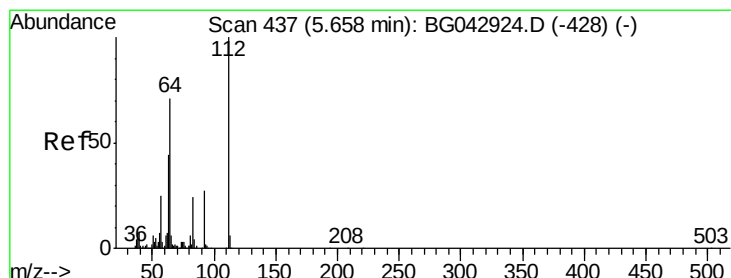
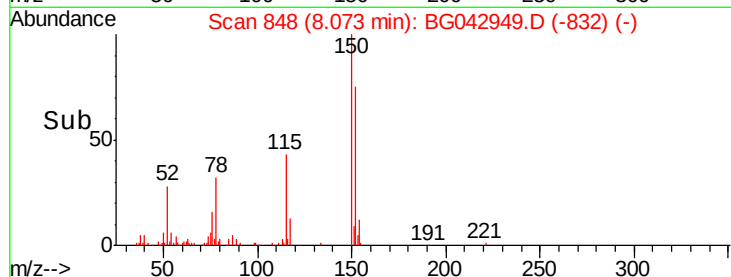
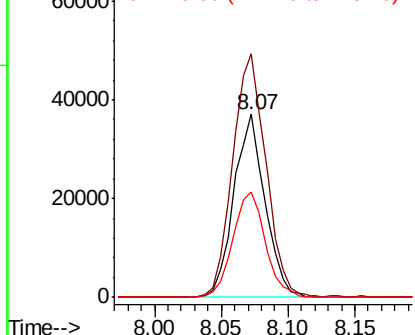


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

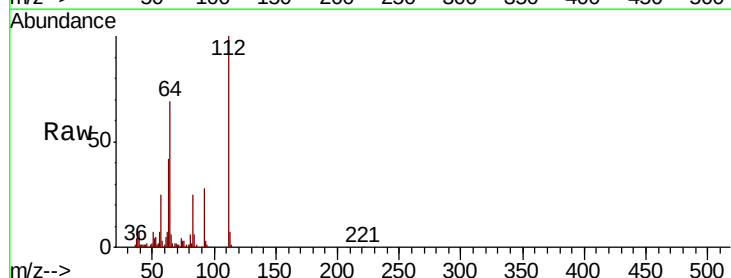
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.258 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	56.6	84.8
63	41.5	35.1	52.7

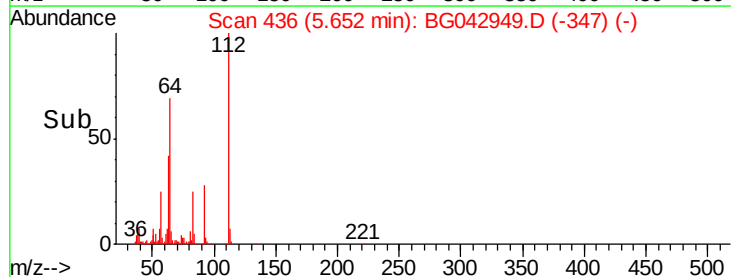
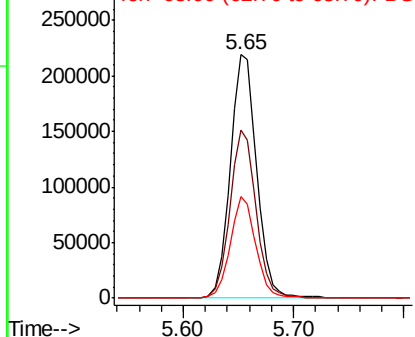


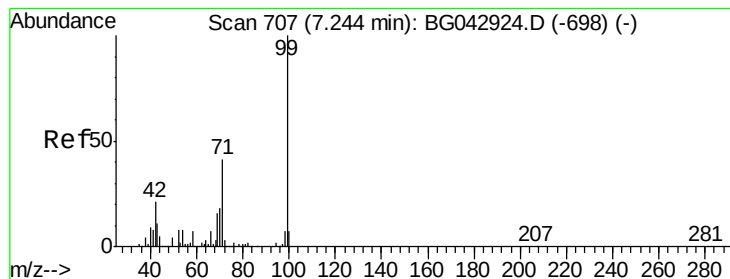
Abundance

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: 108.406 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

Instrument :

BNA_G

ClientSampled :

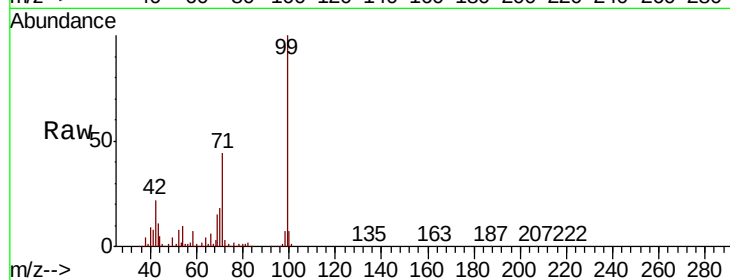
Tot Ion: 99 Resp: 524669

Ion Ratio Lower Upper

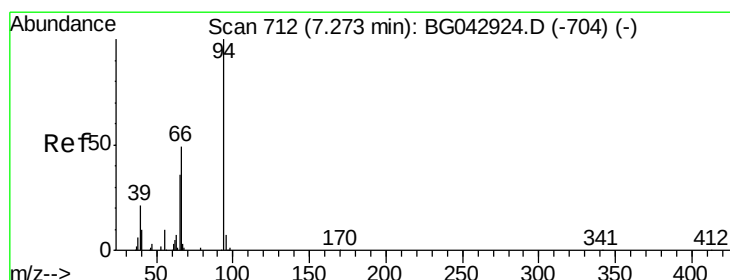
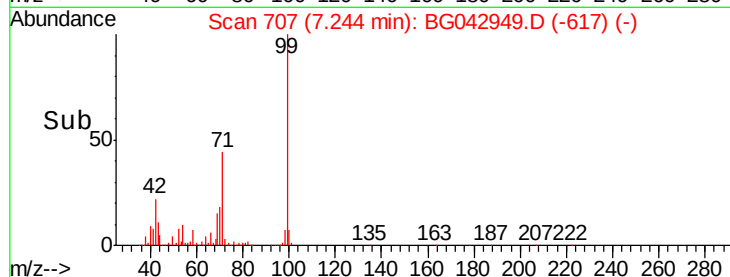
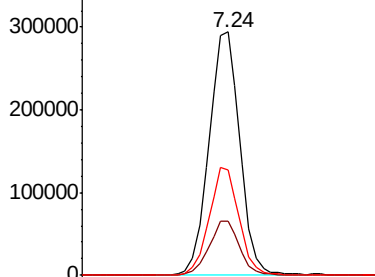
99 100

42 22.2 17.2 25.8

71 43.5 33.1 49.7



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



#10

Phenol

Concen: 3.532 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

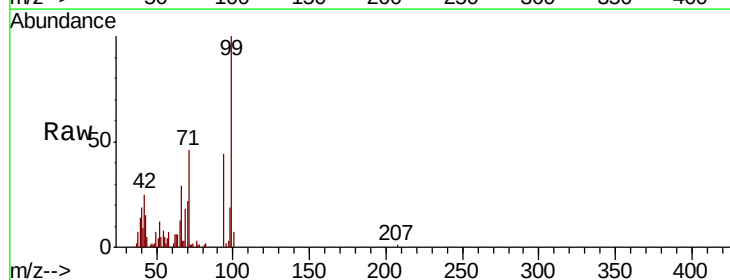
Tgt Ion: 94 Resp: 15684

Ion Ratio Lower Upper

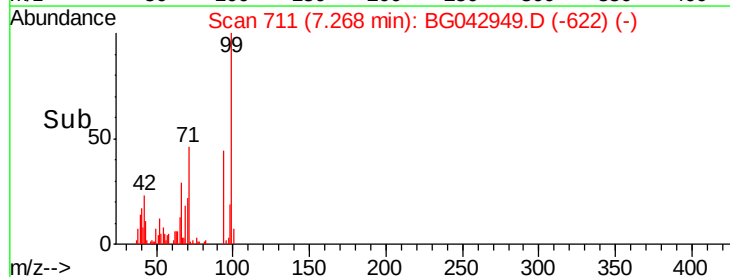
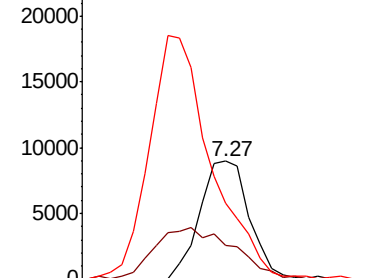
94 100

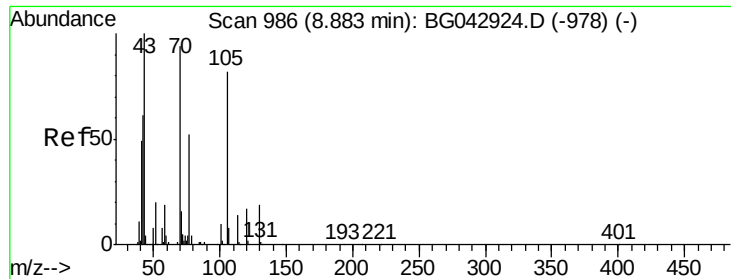
65 28.6 16.6 56.6

66 64.2 32.4 72.4



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

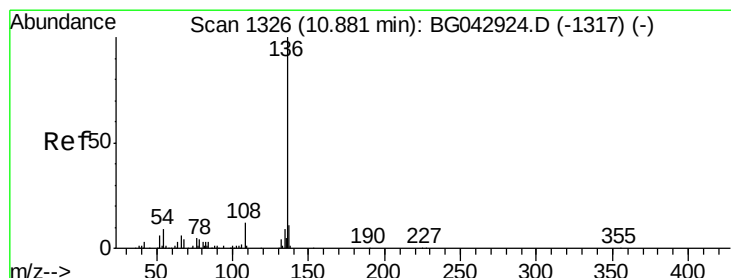
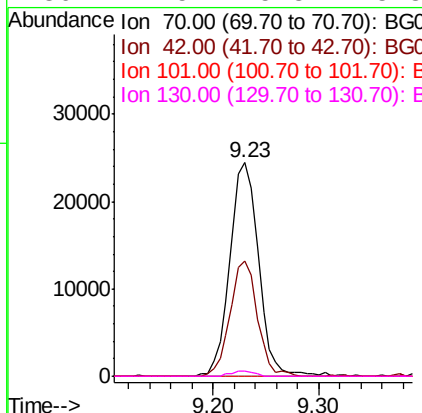
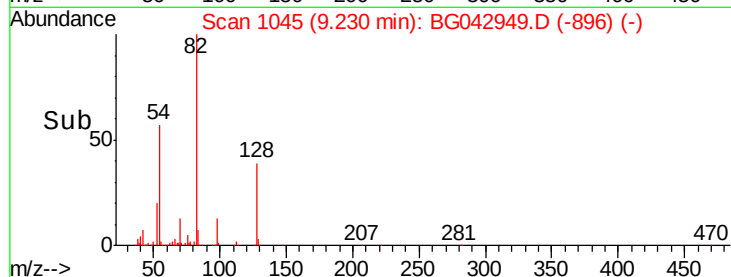
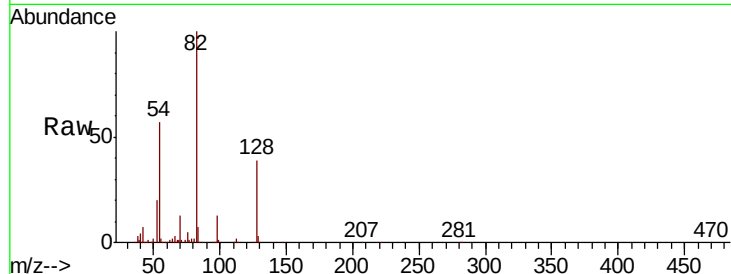




#19
n-Nitroso-di-n-propylamine
Concen: 14.430 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.35 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

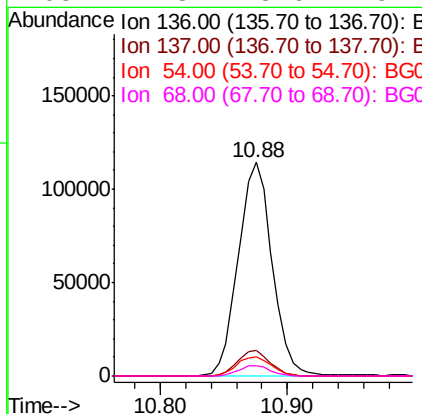
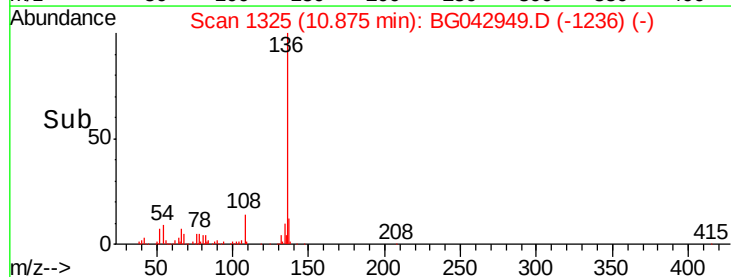
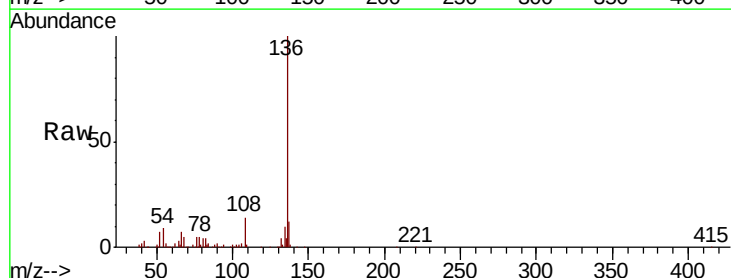
Instrument :
BNA_G
ClientSampleId :

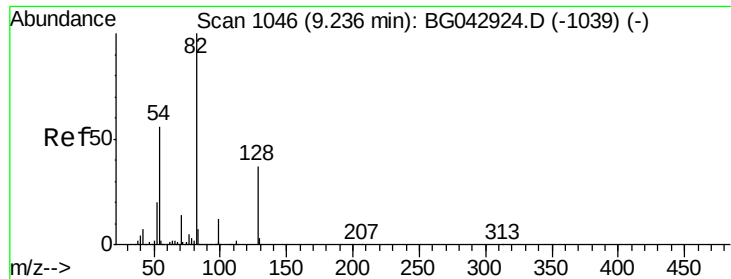
Tot Ion: 70 Resp: 45858
Ion Ratio Lower Upper
70 100
42 53.8 52.6 79.0
101 0.0 8.7 13.1#
130 2.5 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

Tgt Ion: 136 Resp: 212230
Ion Ratio Lower Upper
136 100
137 11.7 8.5 12.7
54 8.8 7.4 11.2
68 4.8 3.6 5.4

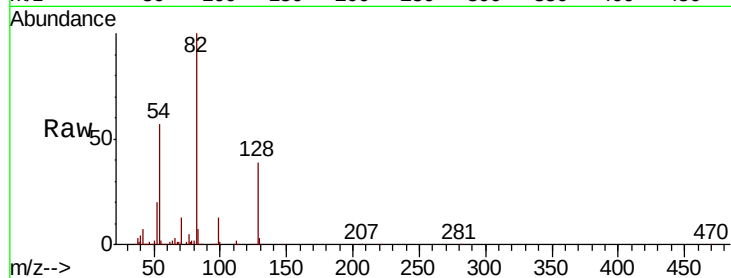




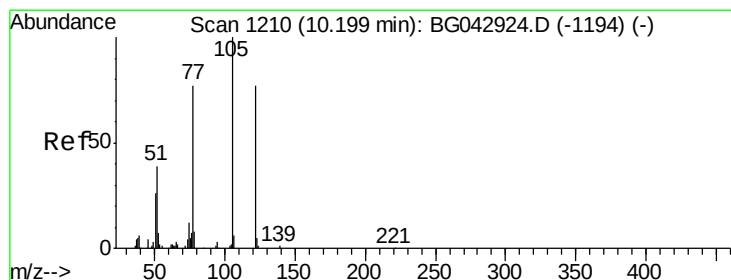
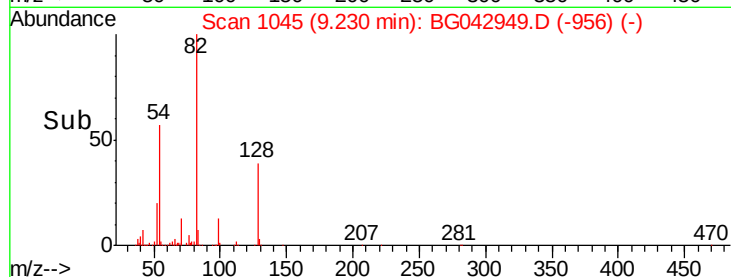
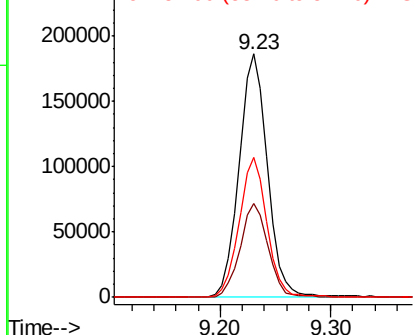
#23
 Nitrobenzene-d5
 Concen: 77.000 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BG042949.D
 Acq: 30 Sep 2019 18:56

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.5	44.3
54	57.5	44.6	67.0

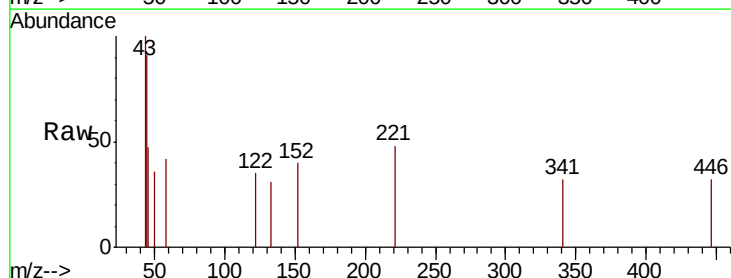


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

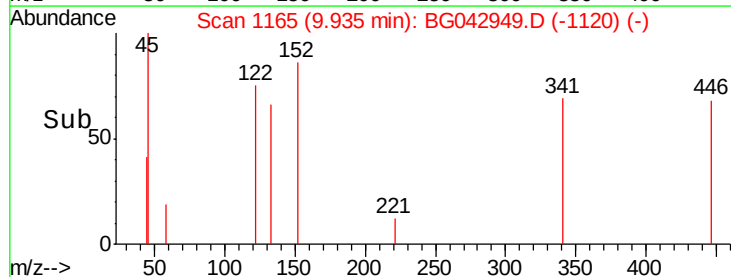
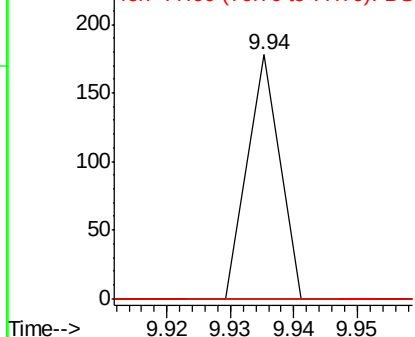


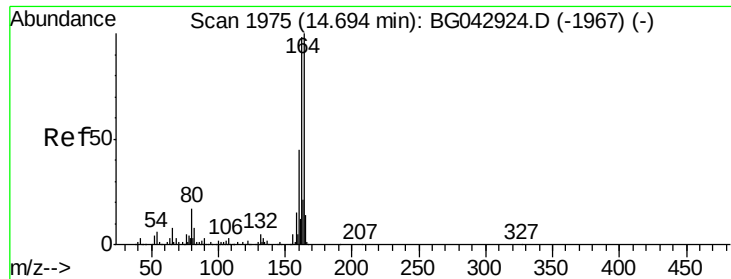
#32
 Benzoic acid
 Concen: 2.831 ng
 RT: 9.94 min Scan# 1165
 Delta R.T. -0.26 min
 Lab File: BG042949.D
 Acq: 30 Sep 2019 18:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

Instrument :

BNA_G

ClientSampleId :

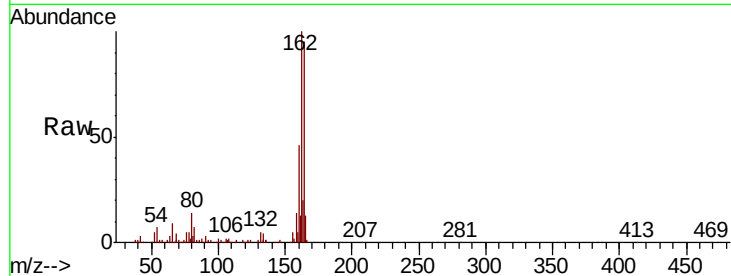
Tot Ion:164 Resp: 155734

Ion Ratio Lower Upper

164 100

162 104.9 78.5 117.7

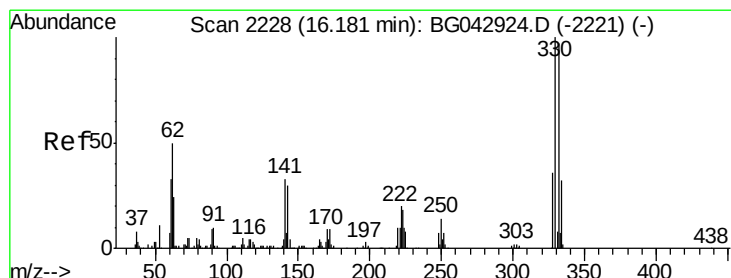
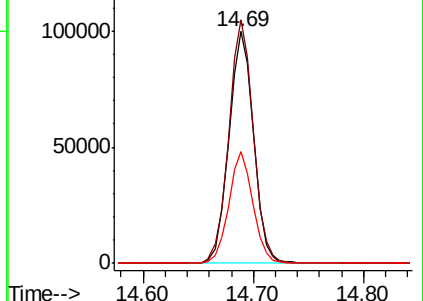
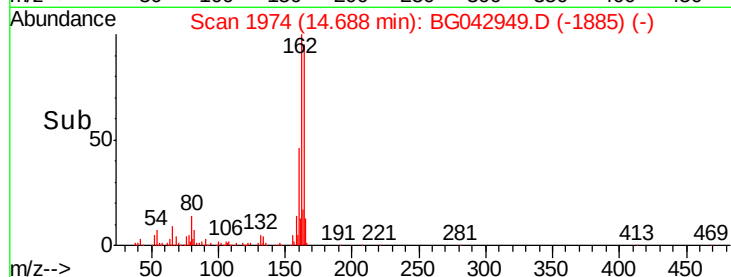
160 47.9 35.9 53.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 111.210 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

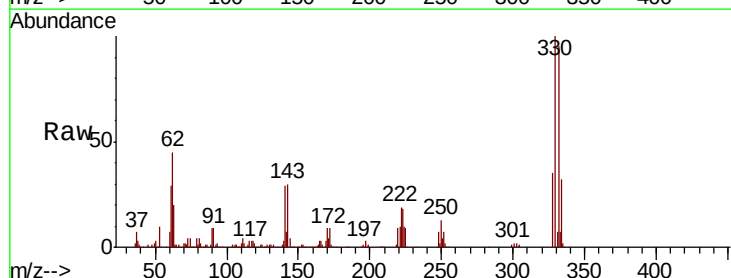
Tgt Ion:330 Resp: 297815

Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

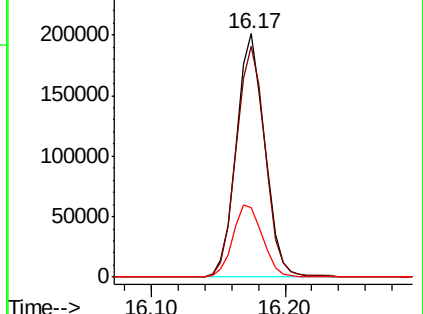
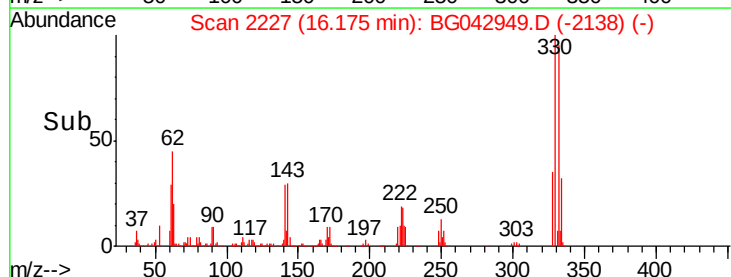
141 31.4 26.0 39.0

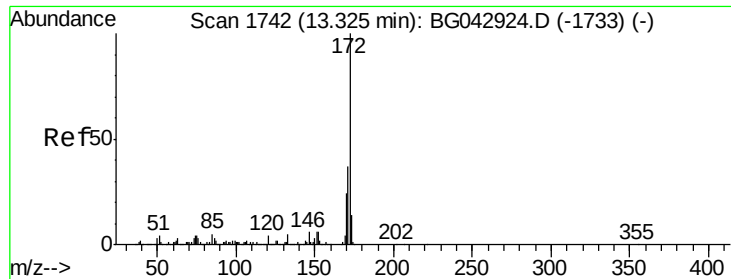


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 74.211 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

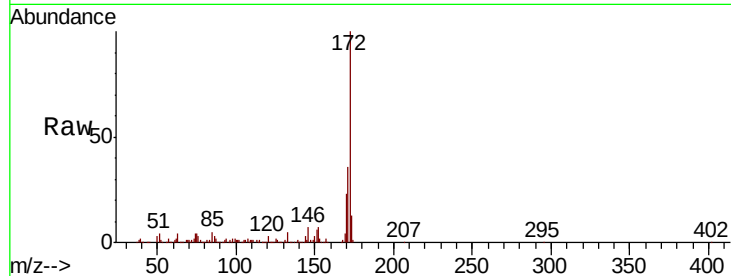
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 797210

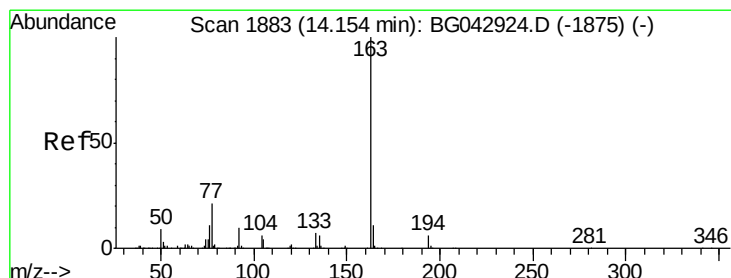
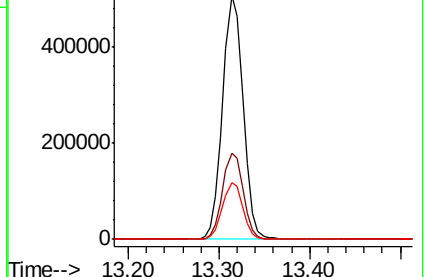
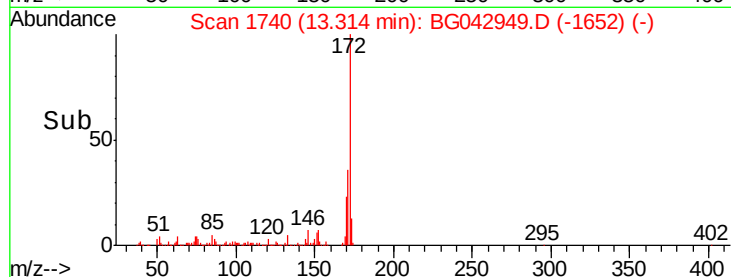
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.3	19.6	29.4



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: 7.465 ng

RT: 14.14 min Scan# 1881

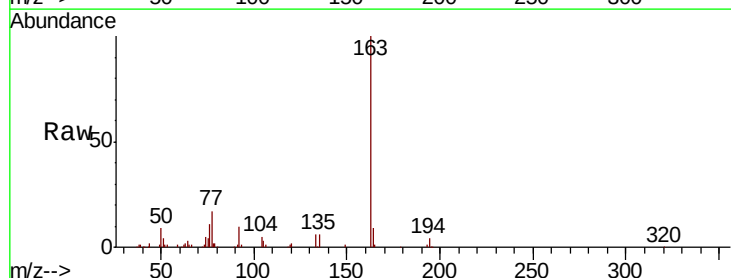
Delta R.T. -0.01 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

Tgt Ion:163 Resp: 87110

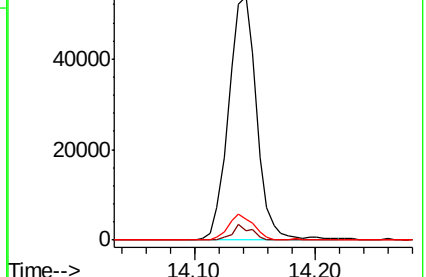
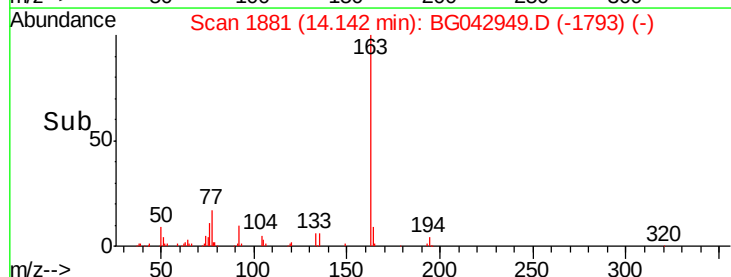
Ion	Ratio	Lower	Upper
163	100		
194	3.8	4.4	6.6#
164	8.7	8.6	12.8

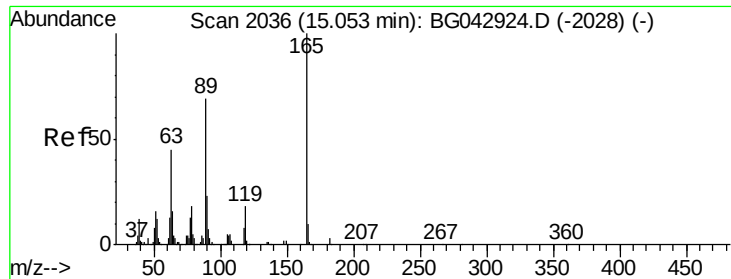


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

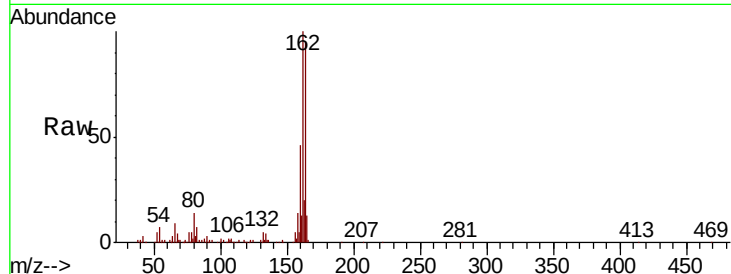




#57
 2,4-Dinitrotoluene
 Concen: 5.858 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.36 min
 Lab File: BG042949.D
 Acq: 30 Sep 2019 18:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.4	36.5	54.7#
89	2.7	55.5	83.3#
182	0.0	2.4	3.6#

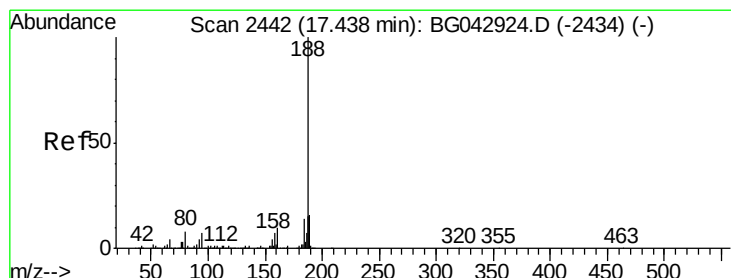
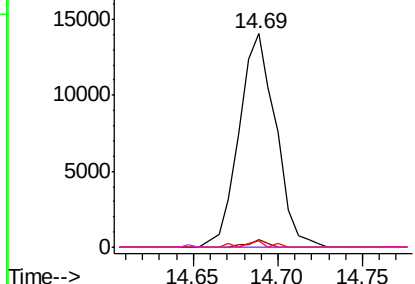
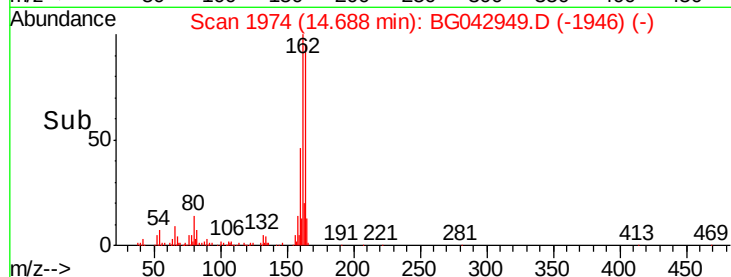


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

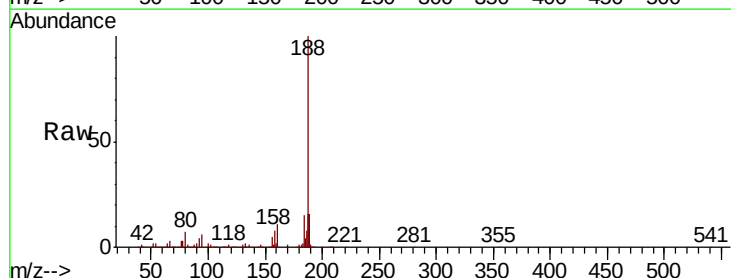
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG042949.D
 Acq: 30 Sep 2019 18:56

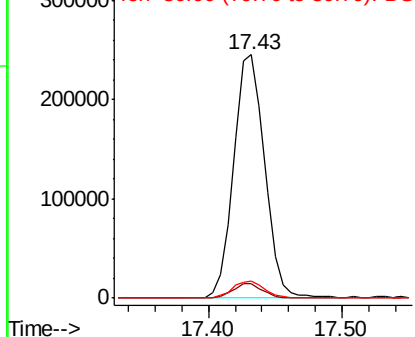
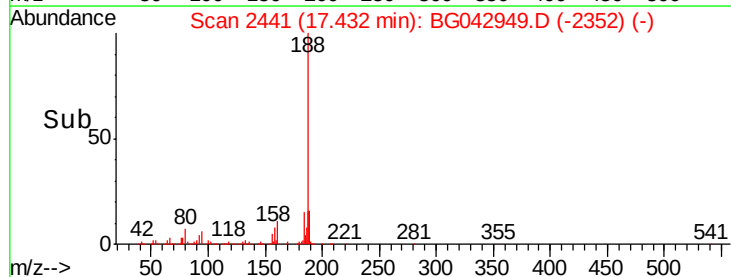
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.7	8.5
80	6.9	6.5	9.7

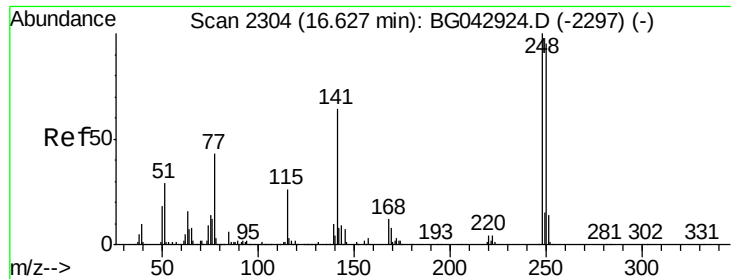


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

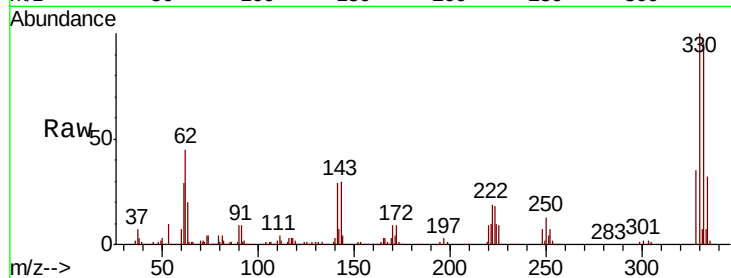




#67
4-Bromophenyl-phenylether
Concen: 4.121 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.45 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.0	75.8	113.8#
141	426.3	51.1	76.7#

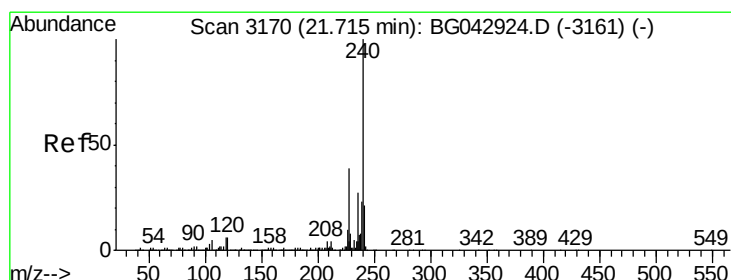
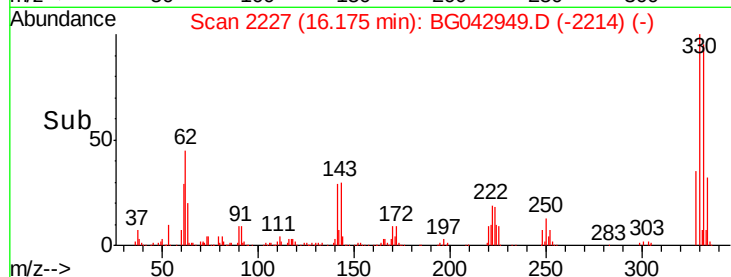
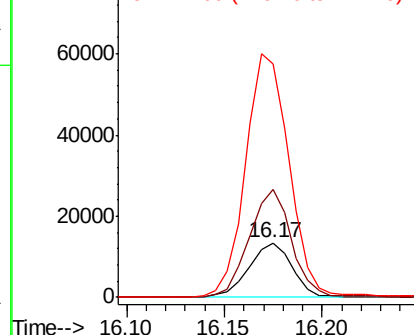


Abundance

Ion 248.00 (247.70 to 248.70): E

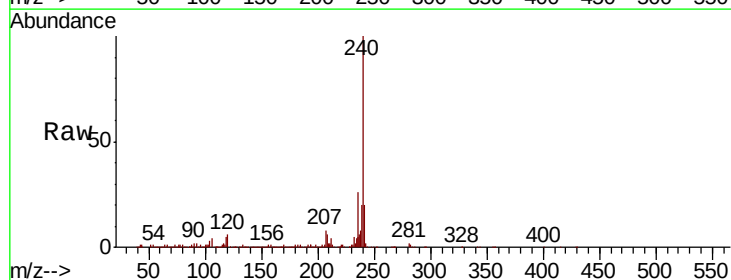
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.02 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.8	7.2
236	25.7	21.4	32.0

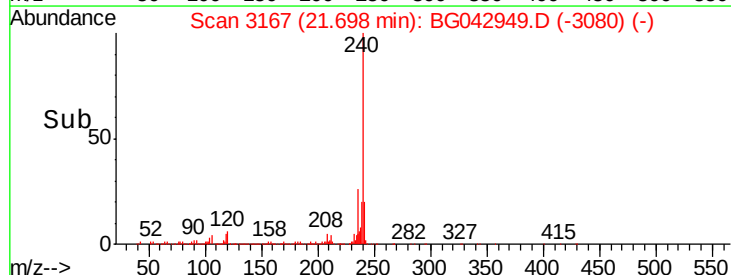
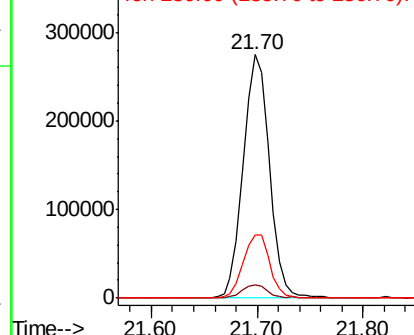


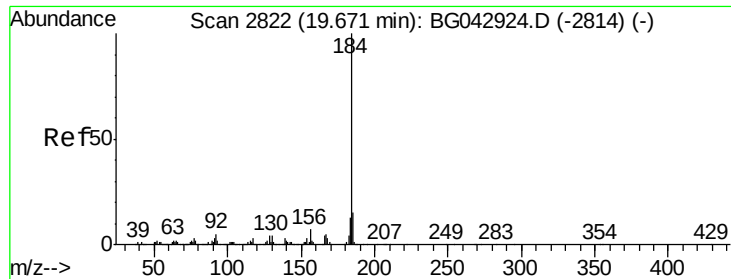
Abundance

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: 2.348 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

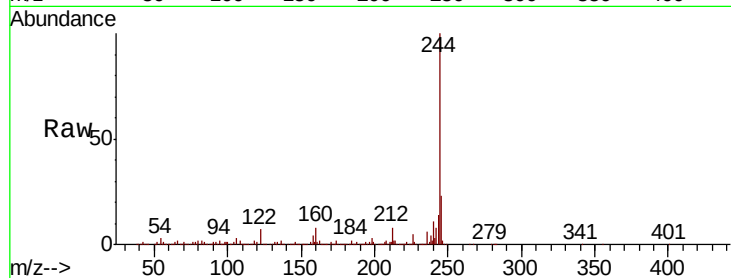
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 27717

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.8	17.8
183	9.1	10.1	15.1

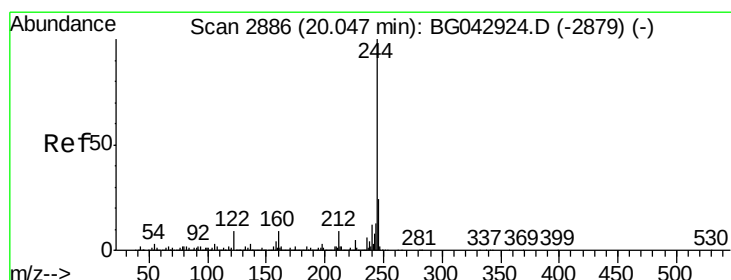
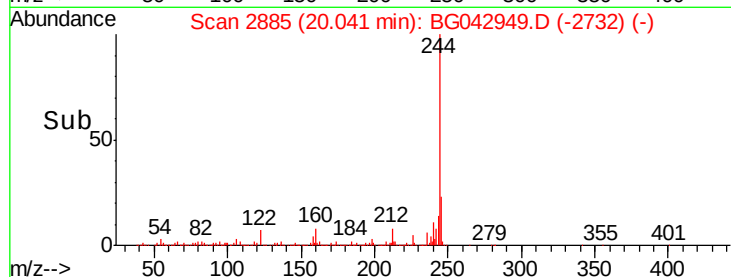
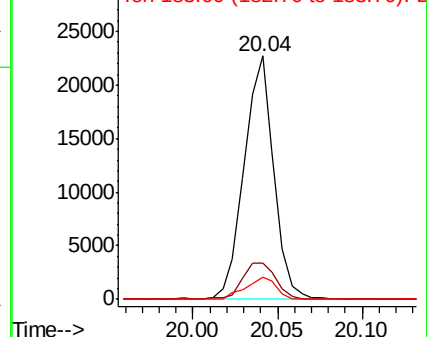


Abundance

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: 75.083 ng

RT: 20.04 min Scan# 2885

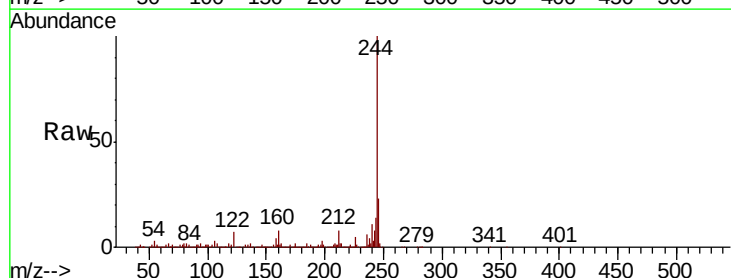
Delta R.T. -0.01 min

Lab File: BG042949.D

Acq: 30 Sep 2019 18:56

Tgt Ion:244 Resp: 1661362

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.4	11.0
122	6.8	7.0	10.4

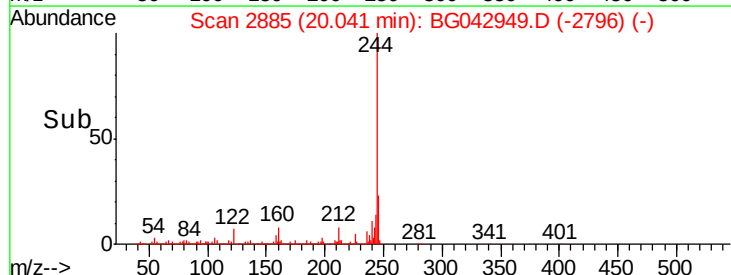
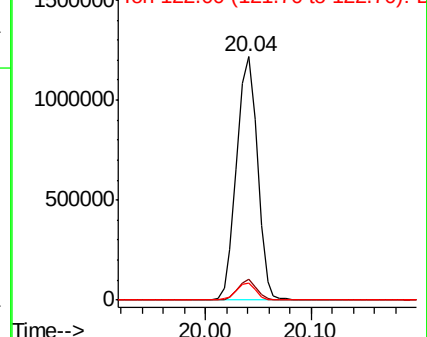


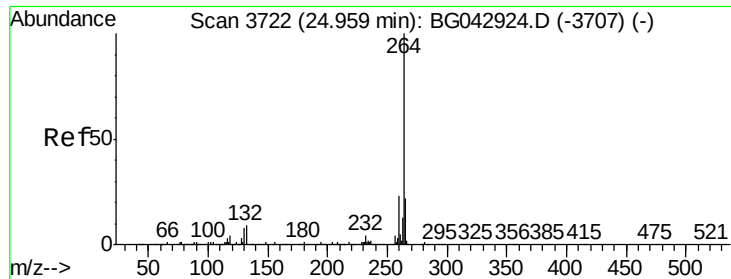
Abundance

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

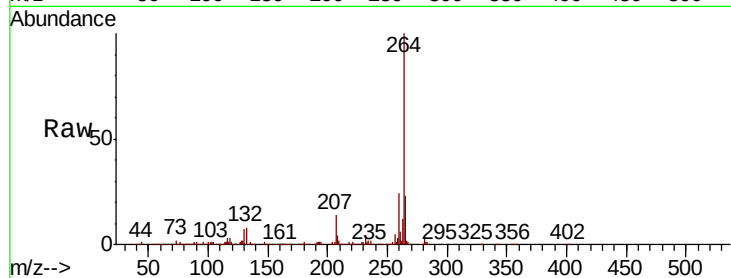




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.04 min
Lab File: BG042949.D
Acq: 30 Sep 2019 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	23.1	17.7	26.5



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

