

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043607.D
 Acq On : 12 Nov 2019 7:24
 Operator : JU
 Sample : K5762-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 10:14:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	36248	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	136838	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	101020	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	215828	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	214653	20.00	ng	-0.02
87) Perylene-d12	24.82	264	255505	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	122390	61.87	ng	0.00
7) Phenol-d6	7.20	99	114473	40.22	ng	0.00
23) Nitrobenzene-d5	9.17	82	200992	75.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	132459	68.90	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	526897	72.07	ng	-0.01
79) Terphenyl-d14	19.99	244	878990	76.82	ng	-0.01

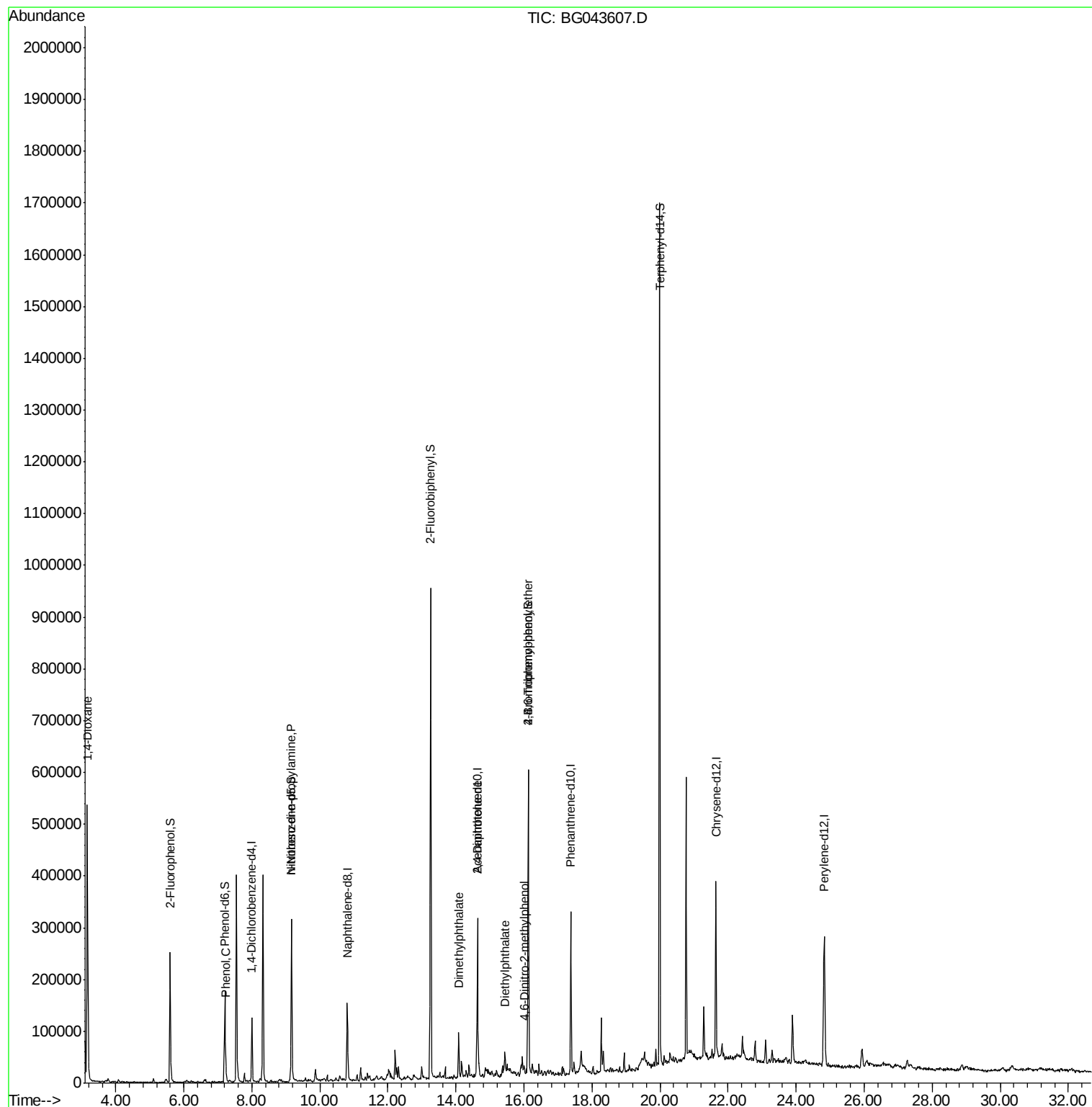
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	5824	7.555	ng	# 1
10) Phenol	7.23	94	17314	6.657	ng	92
19) n-Nitroso-di-n-propylamine	9.17	70	28689	15.600	ng	# 77
50) Dimethylphthalate	14.08	163	56678	7.243	ng	96
57) 2,4-Dinitrotoluene	14.63	165	13790	5.676	ng	# 30
60) Diethylphthalate	15.44	149	20662	2.628	ng	99
65) 4,6-Dinitro-2-methylphenol	16.00	198	4299	3.385	ng	84
67) 4-Bromophenyl-phenylether	16.12	248	8748	3.012	ng	# 1

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

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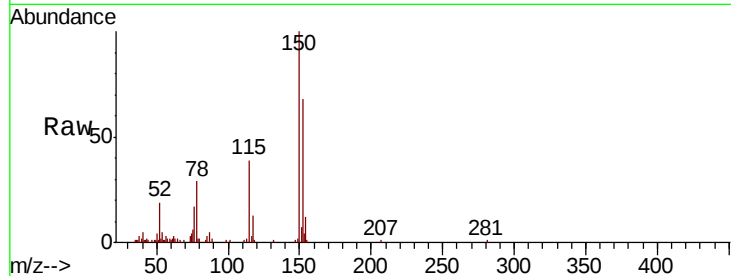


#1

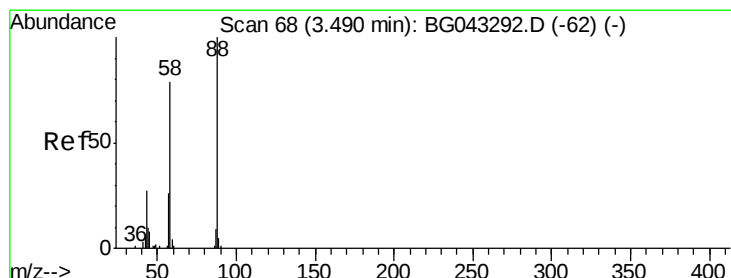
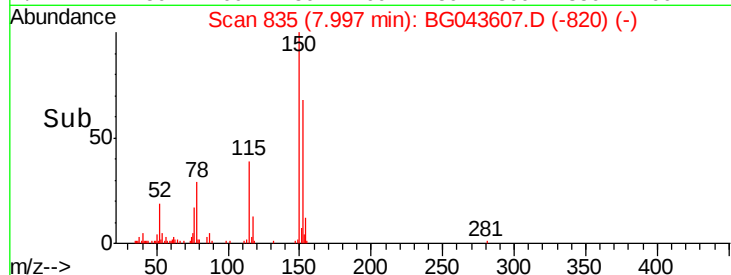
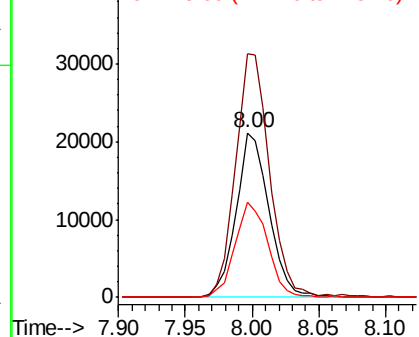
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36248
Ion Ratio Lower Upper
152 100
150 147.8 129.4 194.0
115 57.6 48.8 73.2



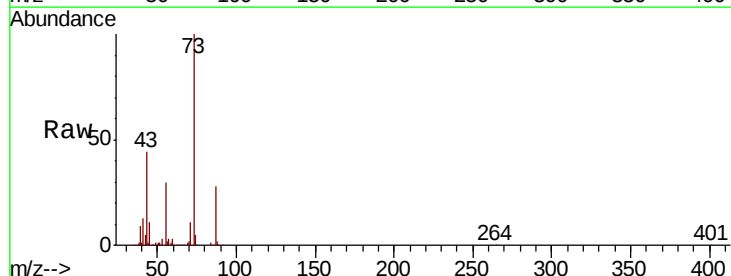
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



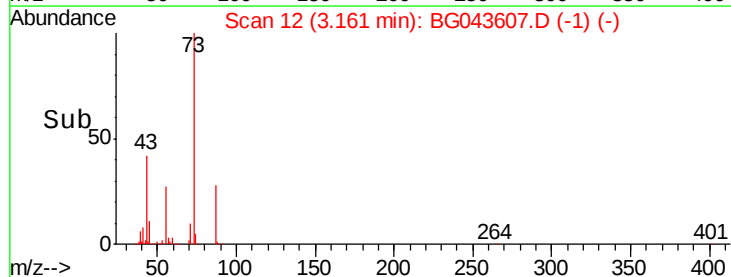
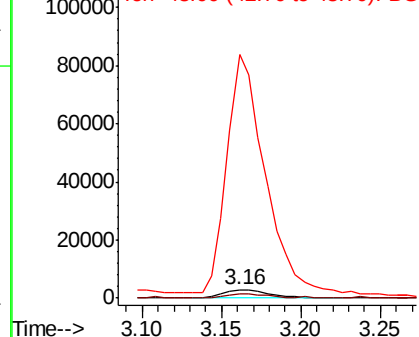
#2

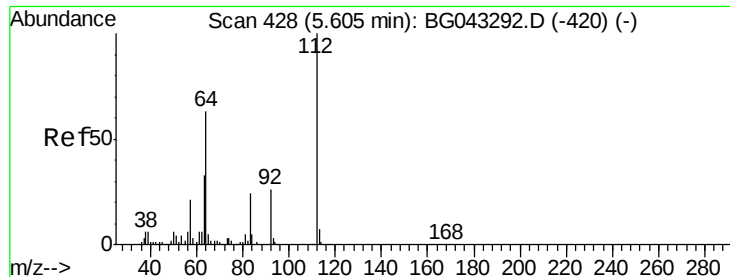
1,4-Dioxane
Concen: 7.555 ng
RT: 3.16 min Scan# 12
Delta R.T. -0.31 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

Tgt Ion: 88 Resp: 5824
Ion Ratio Lower Upper
88 100
58 37.7 62.7 94.1#
43 2457.7 23.7 35.5#



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: 61.872 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.01 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

Instrument :

BNA_G

ClientSampleId :

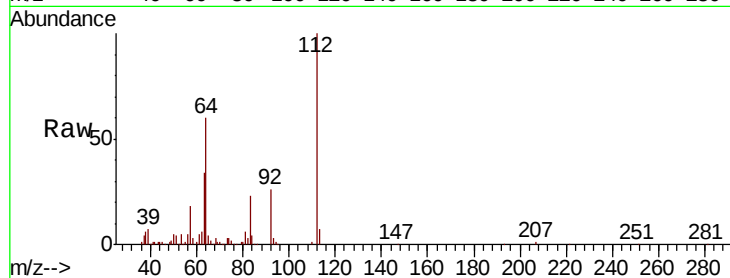
Tot Ion:112 Resp: 122390

Ion Ratio Lower Upper

112 100

64 59.7 50.0 75.0

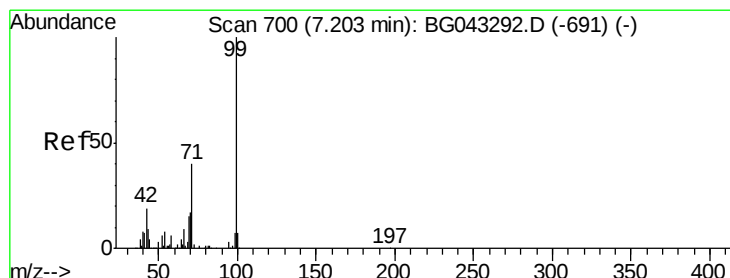
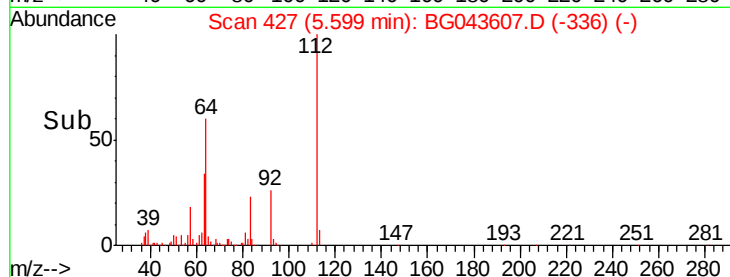
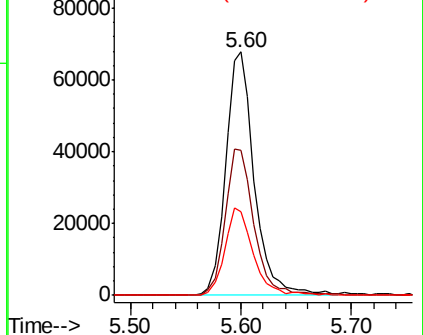
63 34.2 26.6 40.0



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: 40.222 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

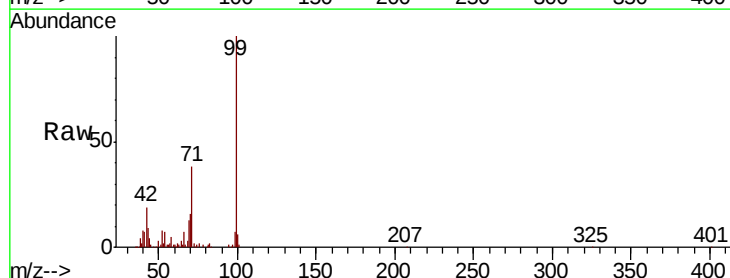
Tgt Ion: 99 Resp: 114473

Ion Ratio Lower Upper

99 100

42 18.9 14.6 21.8

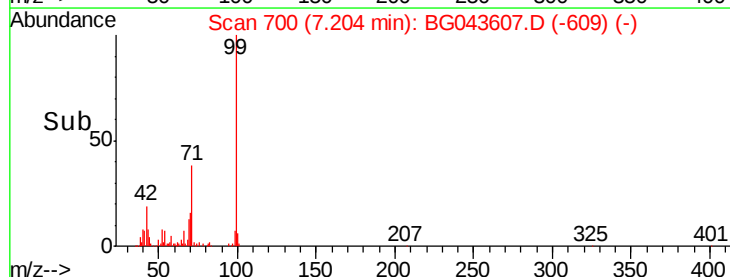
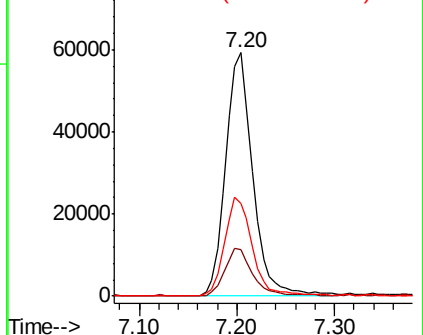
71 38.2 32.5 48.7

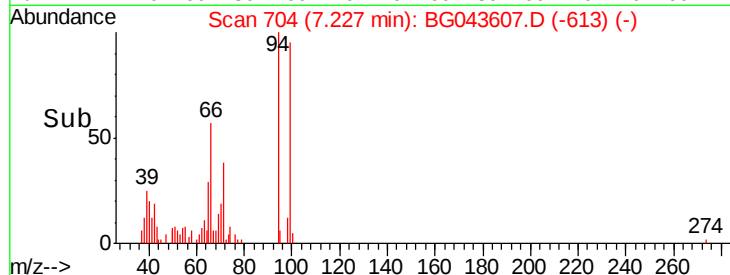
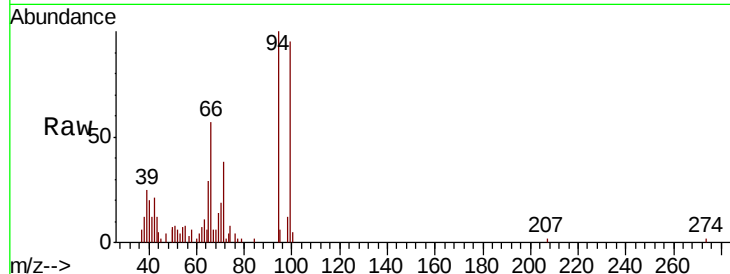
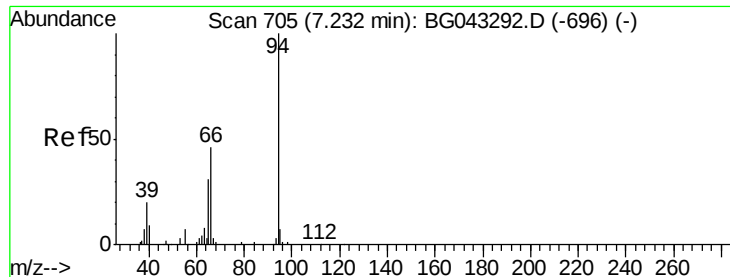


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.657 ng

RT: 7.23 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

Instrument :

BNA_G

ClientSampleId :

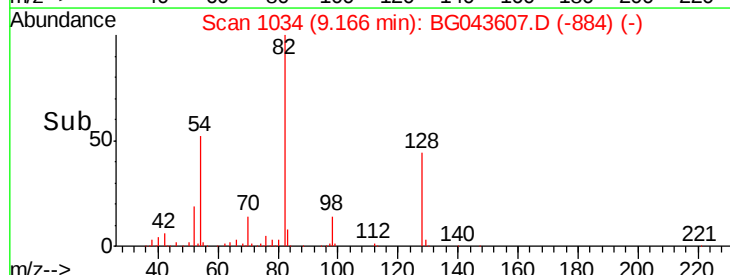
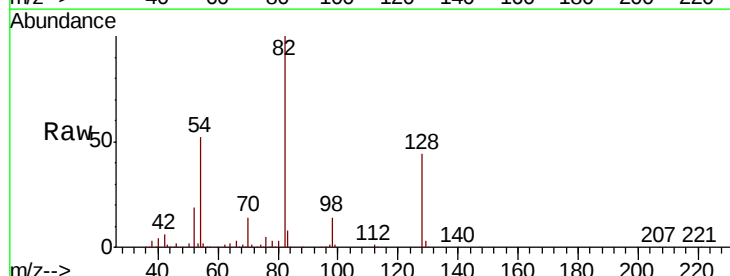
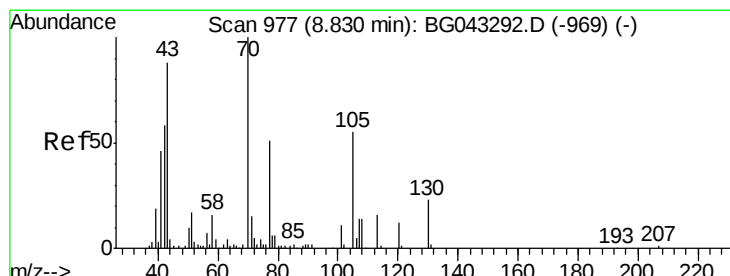
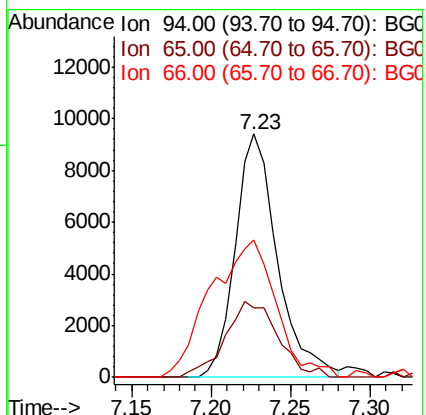
Tot Ion: 94 Resp: 17314

Ion Ratio Lower Upper

94 100

65 28.6 12.6 52.6

66 56.6 30.7 70.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.600 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

Tgt Ion: 70 Resp: 28689

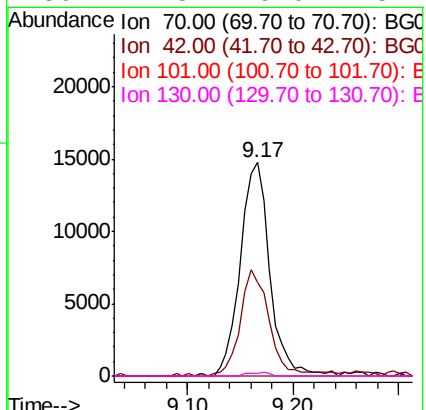
Ion Ratio Lower Upper

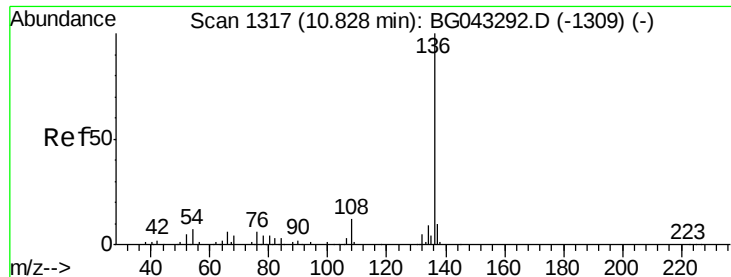
70 100

42 43.5 41.4 62.2

101 0.0 7.9 11.9#

130 1.3 19.0 28.4#

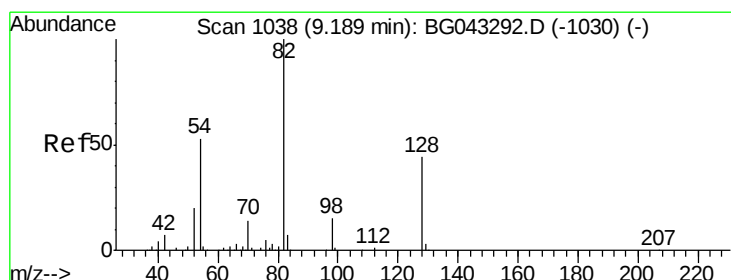
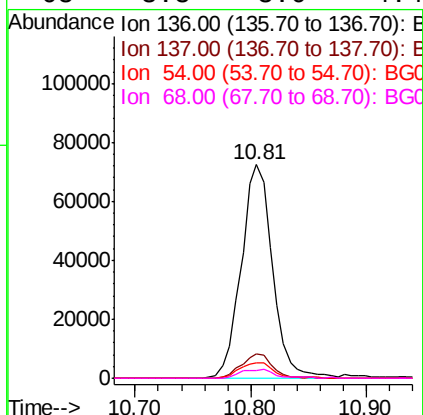
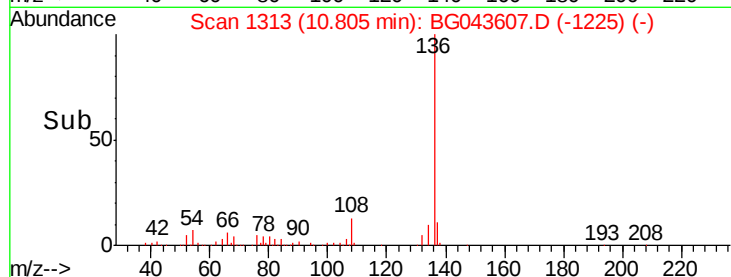
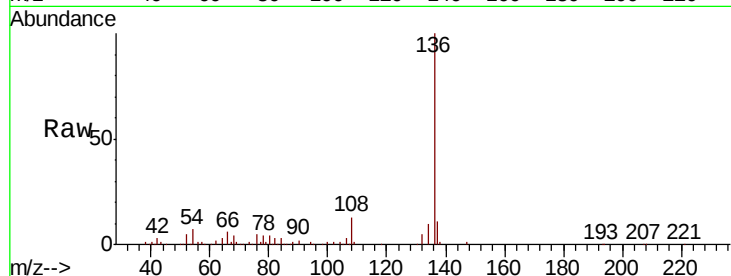




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

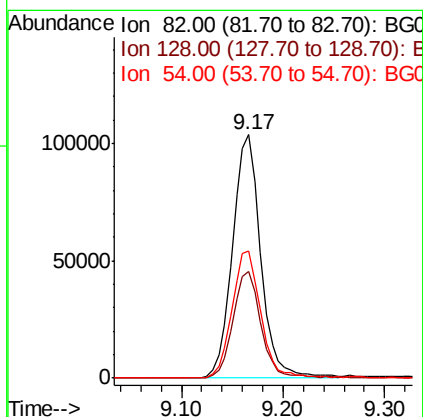
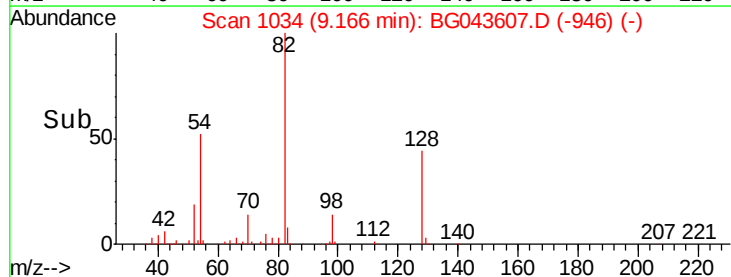
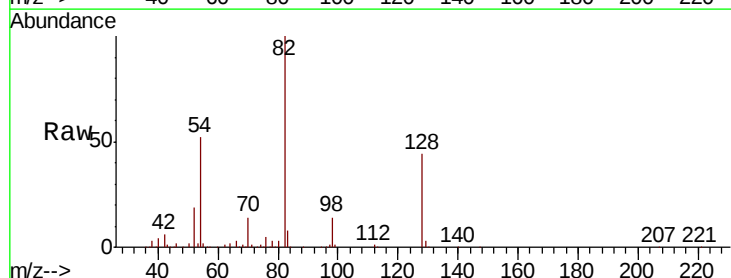
Instrument :
BNA_G
ClientSampled :

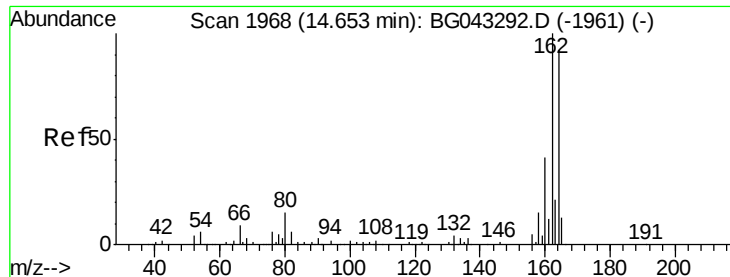
Tot Ion:136	Resp:	136838
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.7 13.1
54	7.3	5.4 8.2
68	3.8	3.0 4.4



#23
Nitrobenzene-d5
Concen: 75.725 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

Tgt Ion: 82	Resp:	200992
Ion Ratio	Lower	Upper
82	100	
128	44.0	35.0 52.6
54	52.4	40.2 60.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

Instrument :

BNA_G

ClientSampleId :

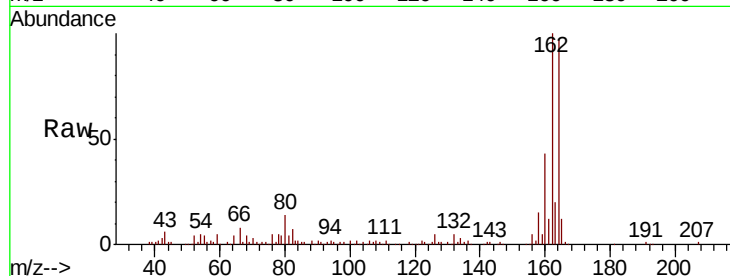
Tot Ion:164 Resp: 101020

Ion Ratio Lower Upper

164 100

162 103.3 83.5 125.3

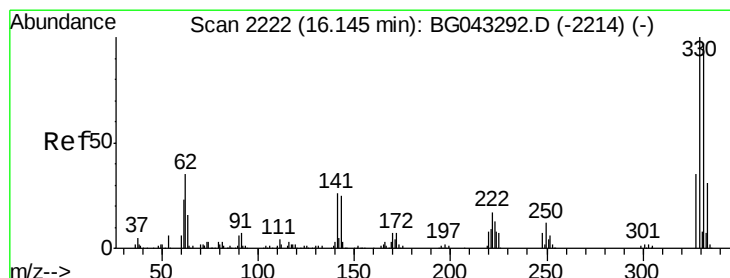
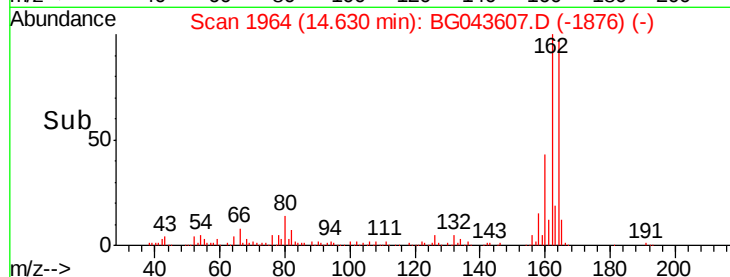
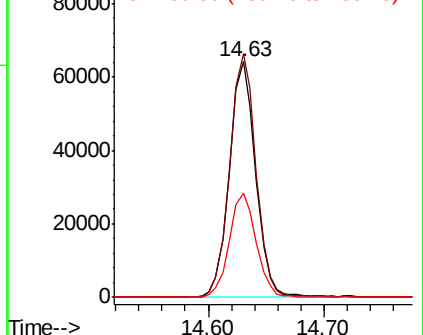
160 44.0 36.5 54.7



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: 68.902 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

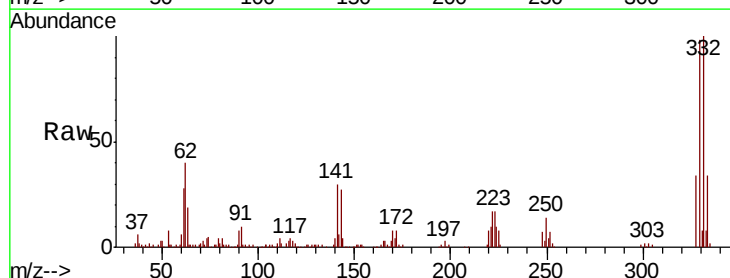
Tgt Ion:330 Resp: 132459

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.0

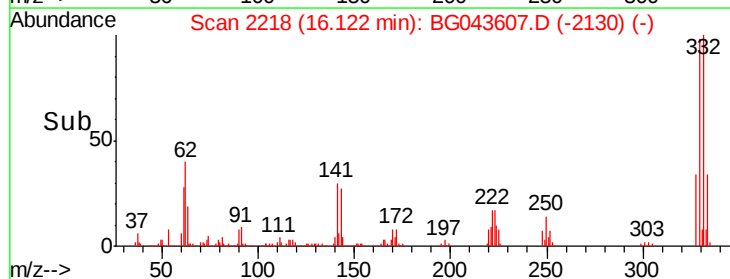
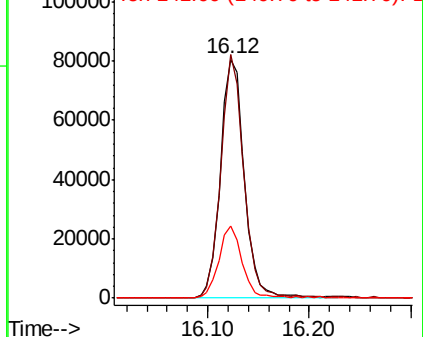
141 29.3 22.8 34.2

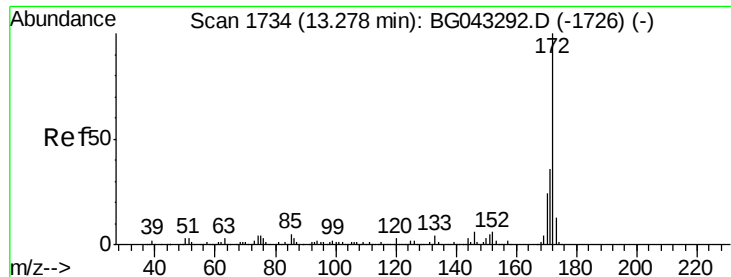


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

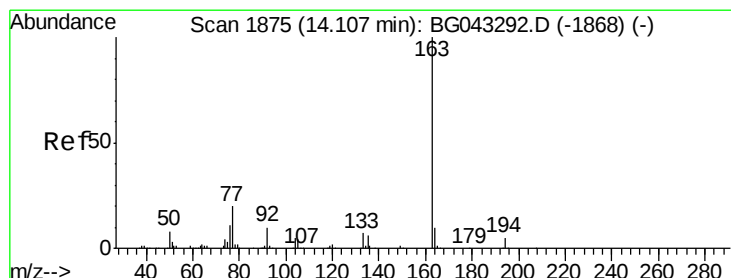
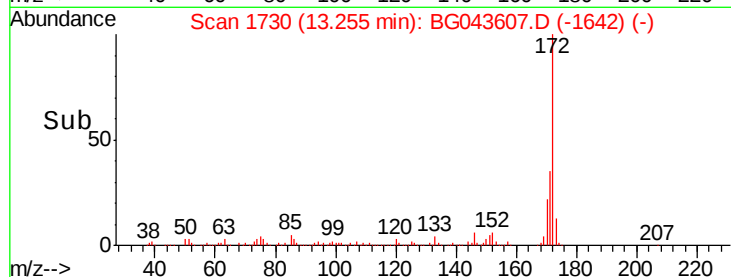
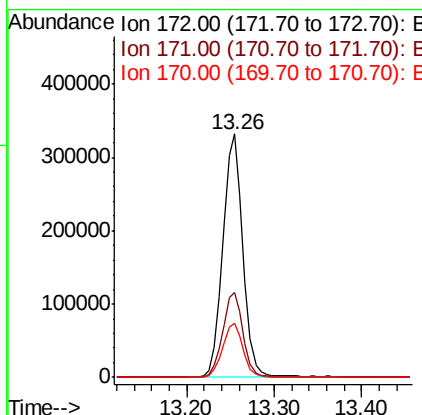
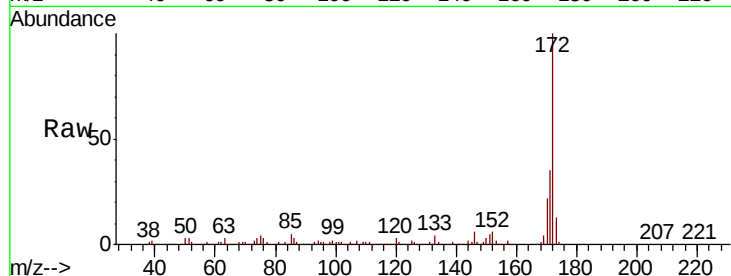




#45
2-Fluorobiphenyl
Concen: 72.072 ng
RT: 13.26 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

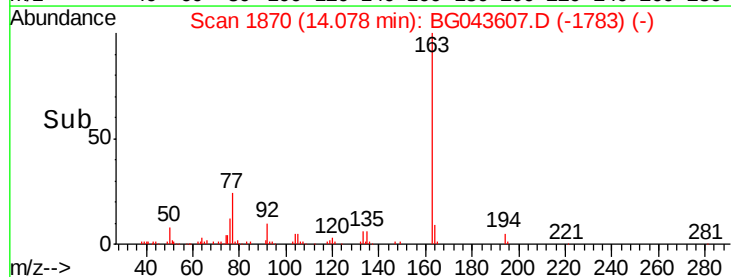
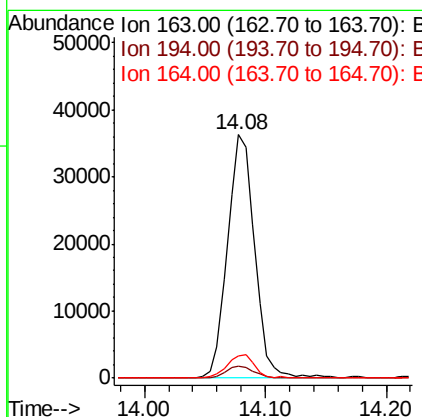
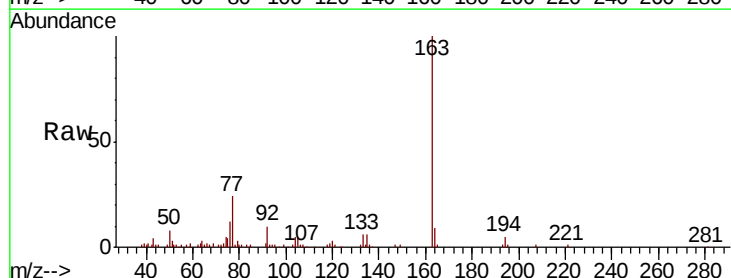
Instrument :
BNA_G
ClientSampleId :

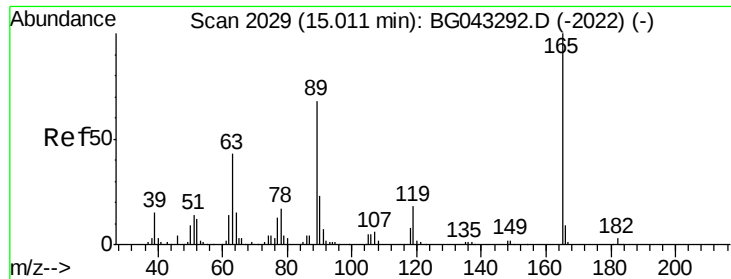
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.9	43.3
170	22.4	18.5	27.7



#50
Dimethylphthalate
Concen: 7.243 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.8	5.6
164	9.0	8.9	13.3

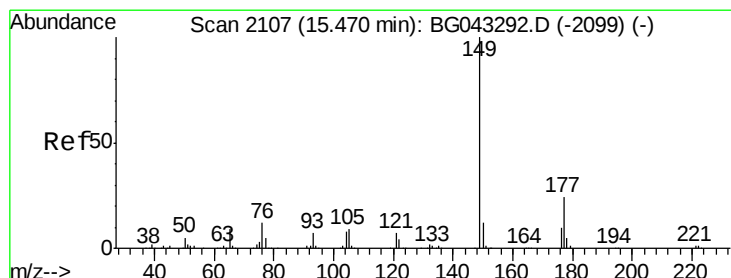
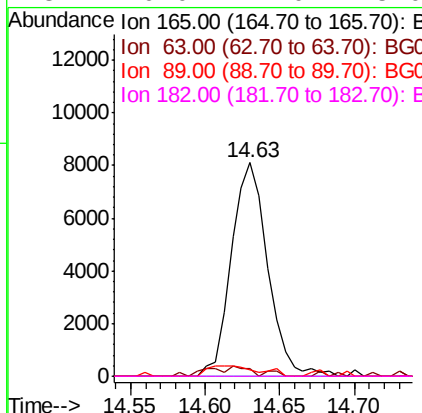
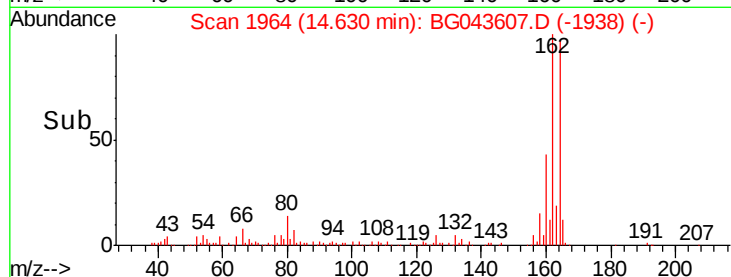
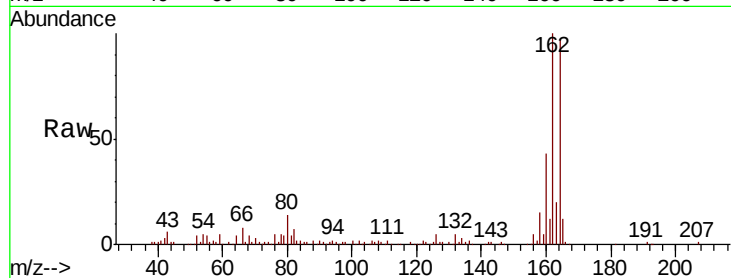




#57
 2,4-Dinitrotoluene
 Concen: 5.676 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043607.D
 Acq: 12 Nov 2019 7:24

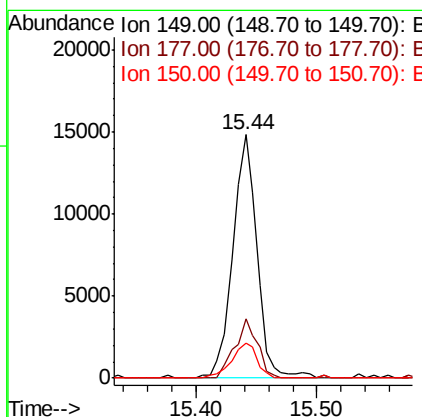
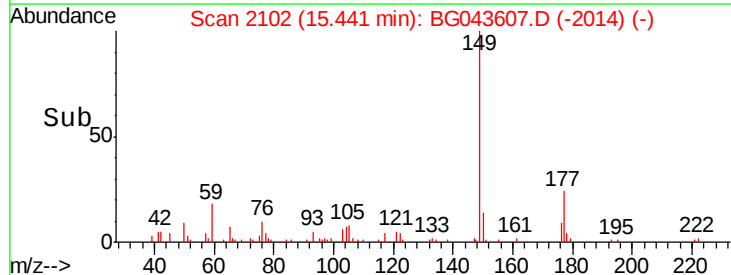
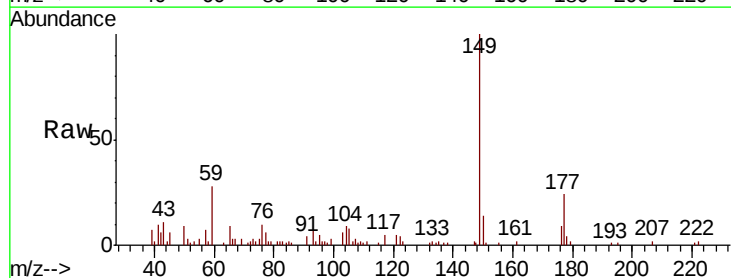
Instrument :
 BNA_G
 ClientSampleId :

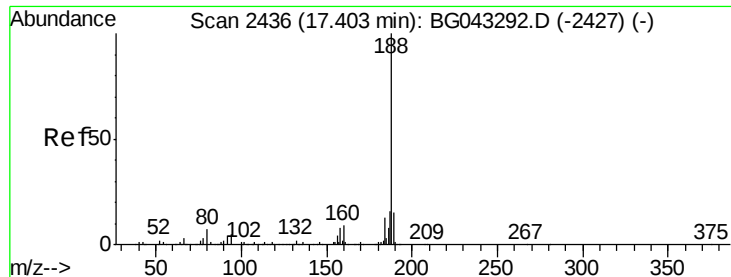
Tot Ion:	165	Resp:	13790
Ion	Ratio	Lower	Upper
165	100		
63	3.6	33.2	49.8#
89	3.0	52.2	78.4#
182	0.0	2.0	3.0#



#60
 Diethylphthalate
 Concen: 2.628 ng
 RT: 15.44 min Scan# 2102
 Delta R.T. -0.01 min
 Lab File: BG043607.D
 Acq: 12 Nov 2019 7:24

Tgt Ion:	149	Resp:	20662
Ion	Ratio	Lower	Upper
149	100		
177	24.5	19.6	29.4
150	14.5	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

Instrument :

BNA_G

ClientSampleId :

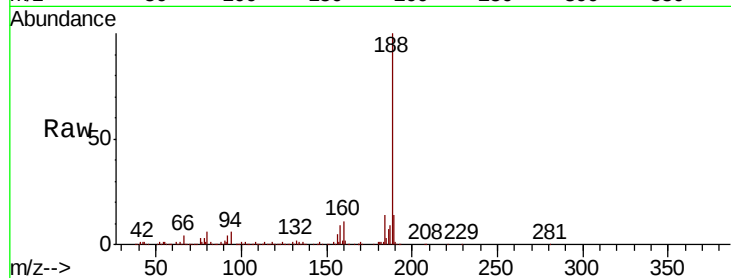
Tot Ion:188 Resp: 215828

Ion Ratio Lower Upper

188 100

94 5.7 4.2 6.4

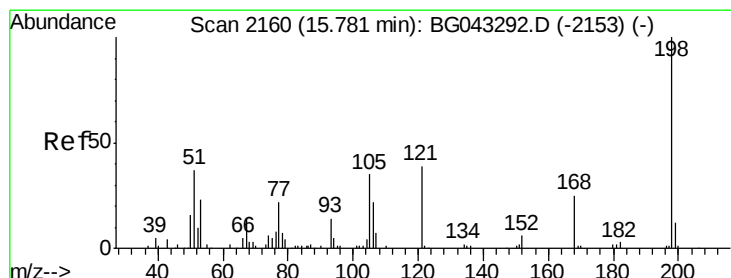
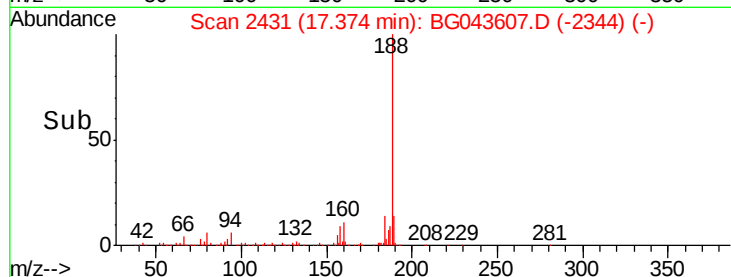
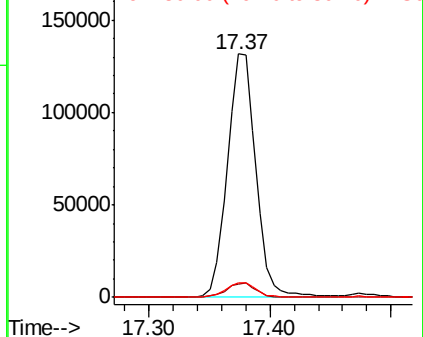
80 5.9 4.5 6.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.385 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.23 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

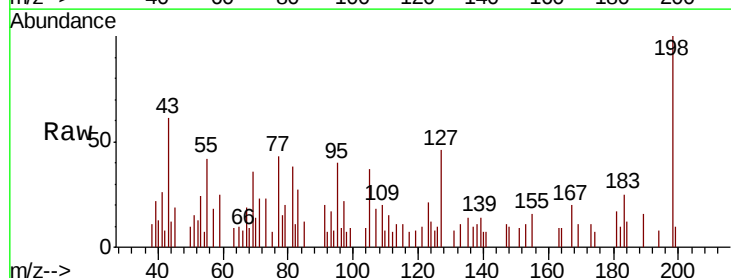
Tgt Ion:198 Resp: 4299

Ion Ratio Lower Upper

198 100

51 15.4 13.2 53.2

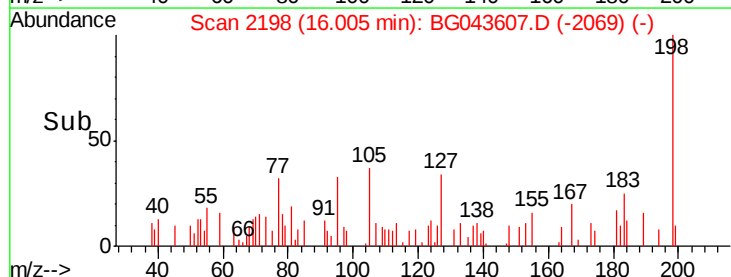
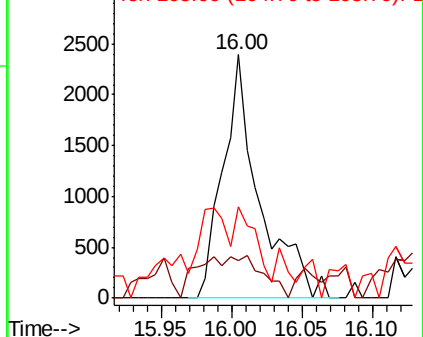
105 37.2 15.8 55.8

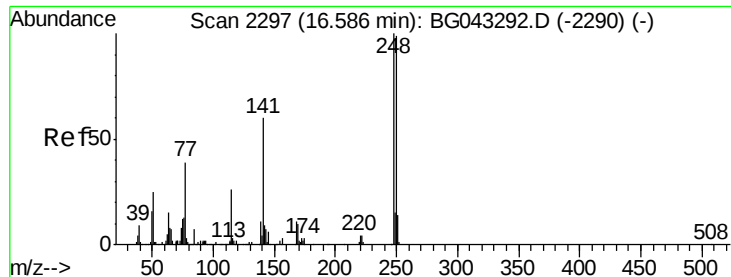


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

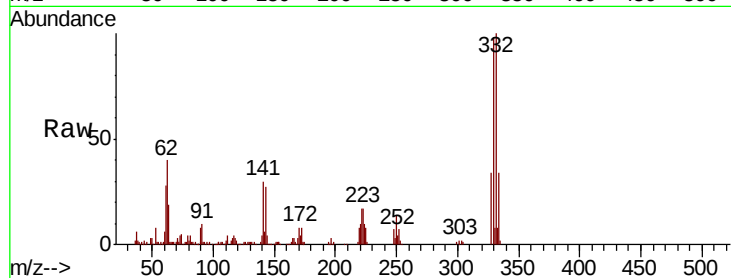




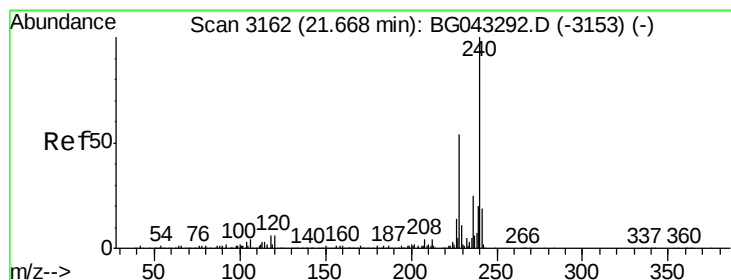
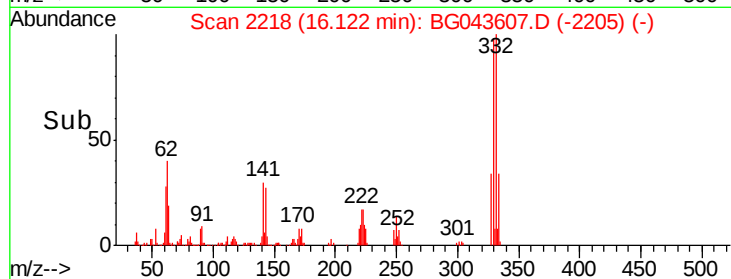
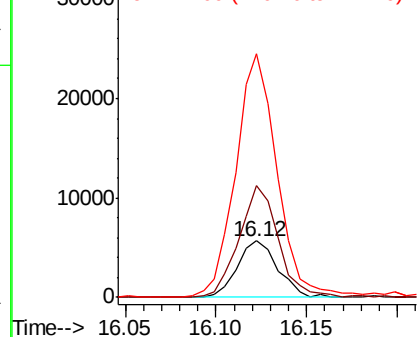
#67
4-Bromophenyl-phenylether
Concen: 3.012 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8748
Ion Ratio Lower Upper
248 100
250 199.7 77.0 115.4#
141 433.7 47.5 71.3#

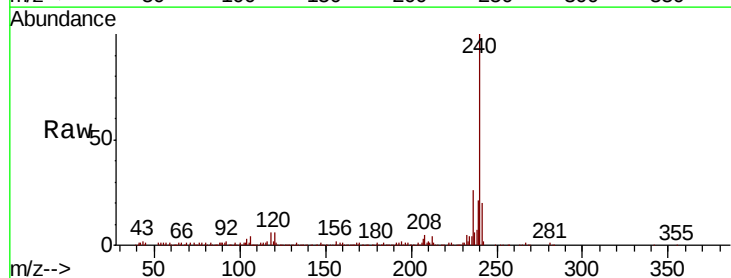


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

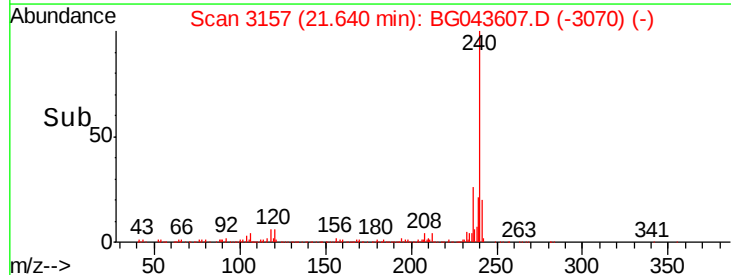
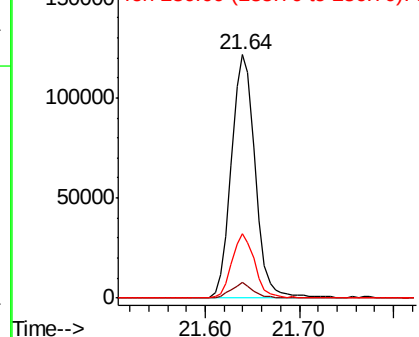


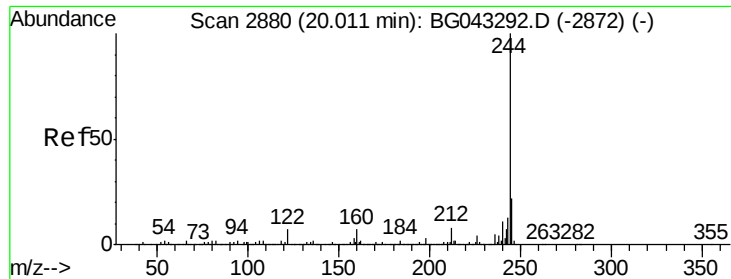
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043607.D
Acq: 12 Nov 2019 7:24

Tgt Ion:240 Resp: 214653
Ion Ratio Lower Upper
240 100
120 6.4 4.6 6.8
236 26.2 19.8 29.8



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: 76.823 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

Instrument :

BNA_G

ClientSampleId :

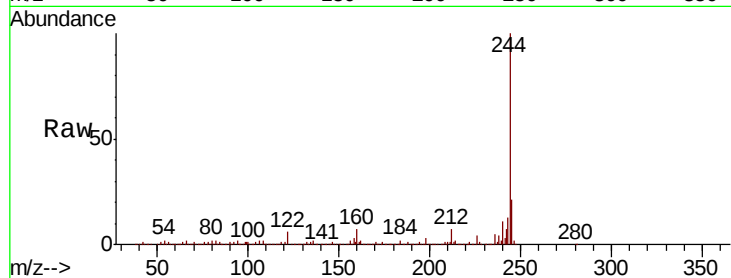
Tot Ion:244 Resp: 878990

Ion Ratio Lower Upper

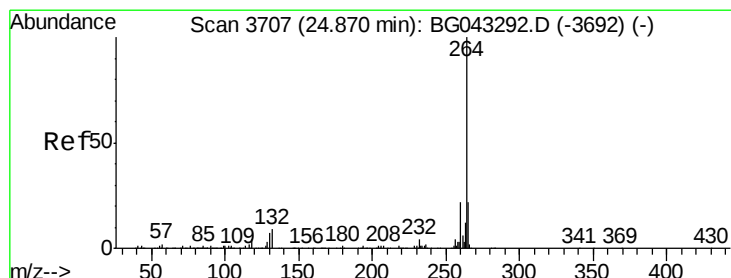
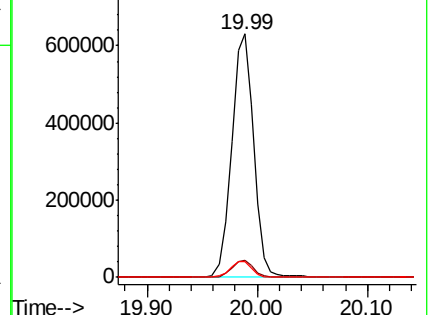
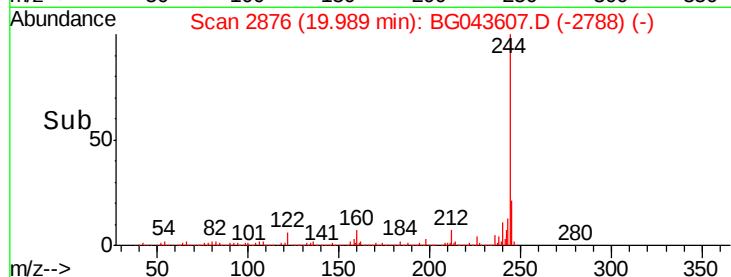
244 100

212 6.9 5.8 8.6

122 6.4 5.4 8.2



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: 24.82 min Scan# 3699

Delta R.T. -0.03 min

Lab File: BG043607.D

Acq: 12 Nov 2019 7:24

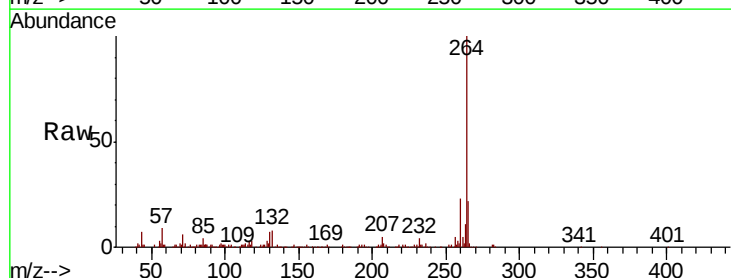
Tgt Ion:264 Resp: 255505

Ion Ratio Lower Upper

264 100

260 22.9 17.5 26.3

265 21.8 17.4 26.0



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

