

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043459.D
 Acq On : 1 Nov 2019 8:39
 Operator : JU
 Sample : K5146-22
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 13:10:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	39282	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	144394	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	106908	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	265143	20.00	ng	0.00
76) Chrysene-d12	21.66	240	274569	20.00	ng	0.00
87) Perylene-d12	24.85	264	321611	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	293176	136.76	ng	0.00
7) Phenol-d6	7.21	99	402880	130.62	ng	0.00
23) Nitrobenzene-d5	9.18	82	243907	87.08	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	274118	134.74	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	674983	87.24	ng	0.00
79) Terphenyl-d14	20.00	244	1374107	93.89	ng	0.00

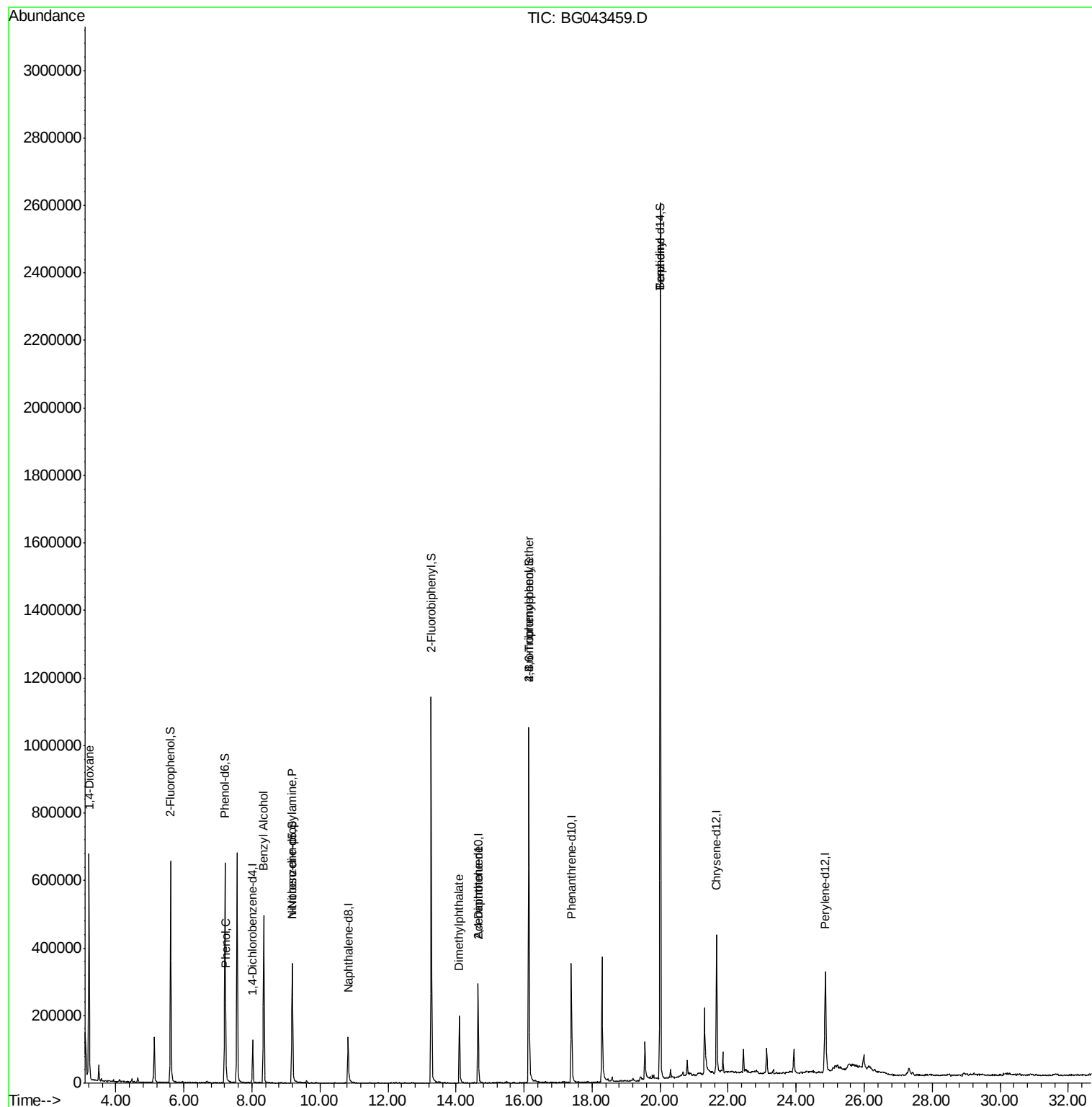
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	7018	8.401	ng	# 1
10) Phenol	7.23	94	18194	6.455	ng	# 82
15) Benzyl Alcohol	8.34	79	4406	2.034	ng	# 29
19) n-Nitroso-di-n-propylamine	9.19	70	32500	16.307	ng	# 71
50) Dimethylphthalate	14.10	163	158167	19.101	ng	# 98
57) 2,4-Dinitrotoluene	14.65	165	14766	5.743	ng	# 28
67) 4-Bromophenyl-phenylether	16.14	248	17373	4.869	ng	# 1
77) Benzidine	20.00	184	20464	3.703	ng	# 92

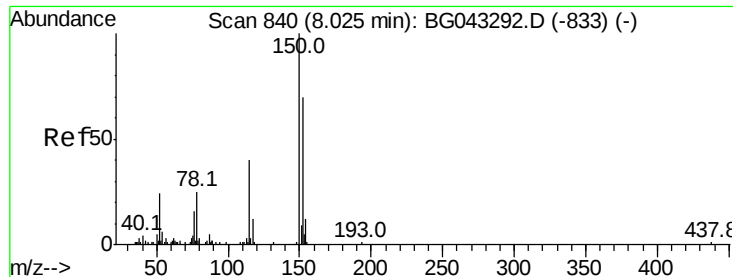
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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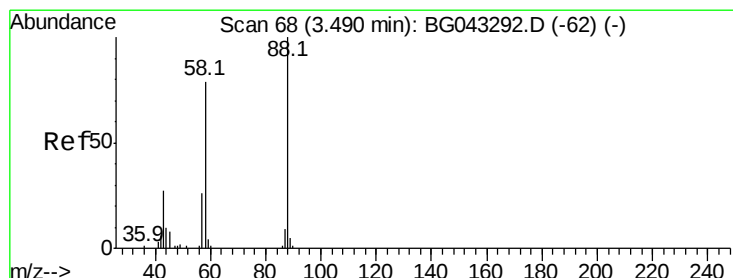
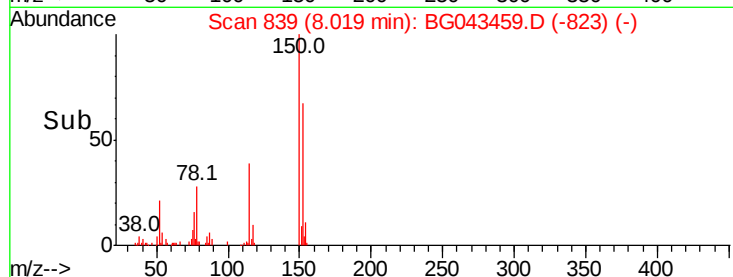
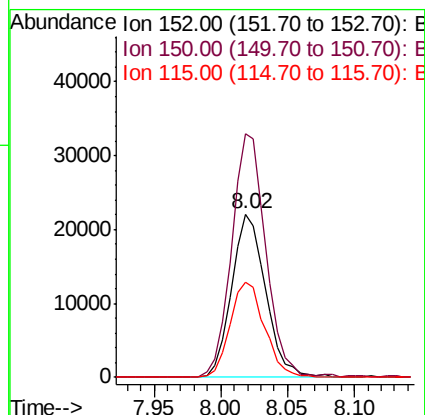
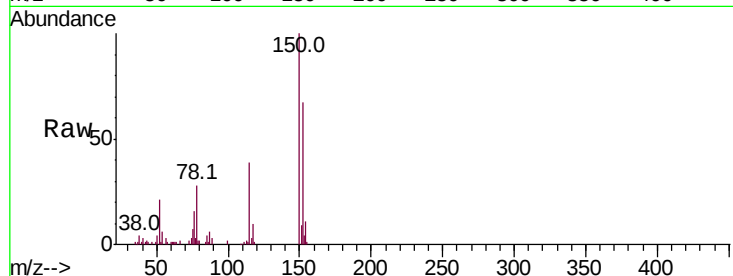


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043459.D
Acq: 1 Nov 2019 8:39

Instrument :
BNA_G
ClientSampleId :

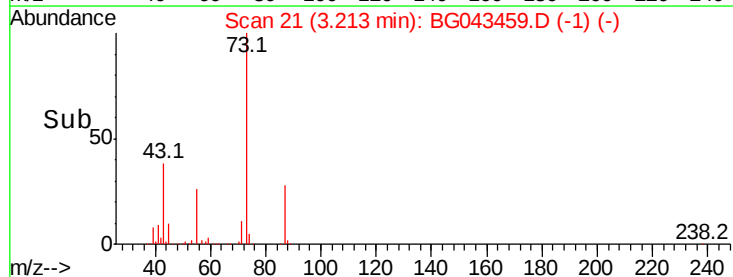
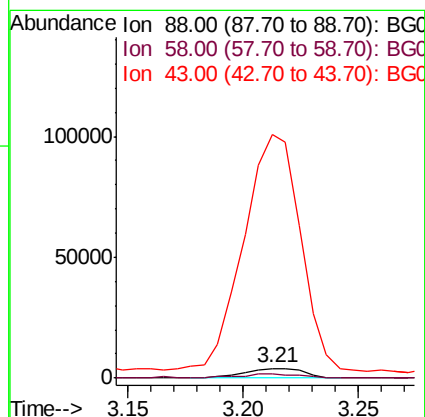
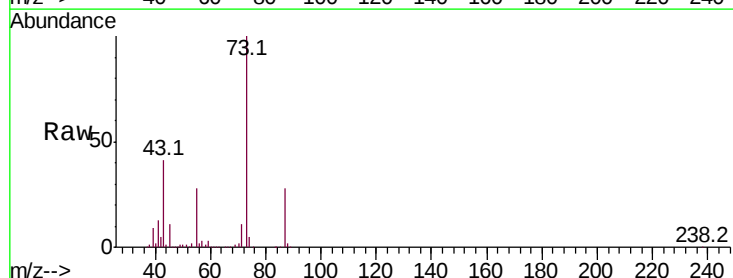
Tot Ion:152 Resp: 39282
Ion Ratio Lower Upper
152 100
150 149.2 113.6 170.4
115 58.1 45.9 68.9

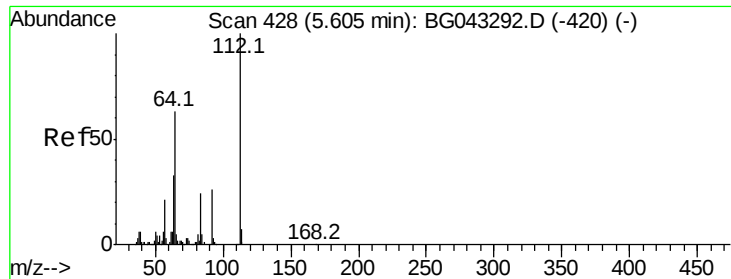


#2

1,4-Dioxane
Concen: 8.401 ng
RT: 3.21 min Scan# 21
Delta R.T. -0.28 min
Lab File: BG043459.D
Acq: 1 Nov 2019 8:39

Tgt Ion: 88 Resp: 7018
Ion Ratio Lower Upper
88 100
58 44.5 60.2 90.2#
43 2424.7 22.7 34.1#





#5

2-Fluorophenol

Concen: 136.762 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

Instrument :

BNA_G

ClientSampleId :

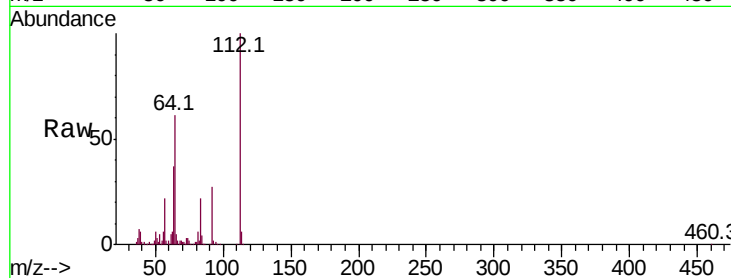
Tot Ion:112 Resp: 293176

Ion Ratio Lower Upper

112 100

64 61.2 50.2 75.2

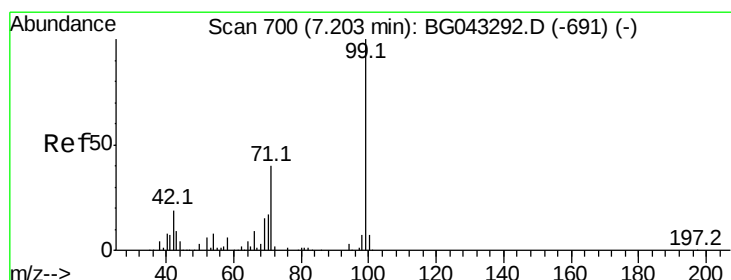
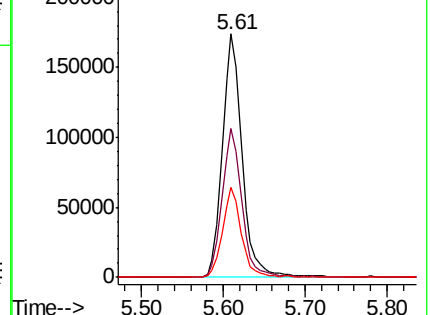
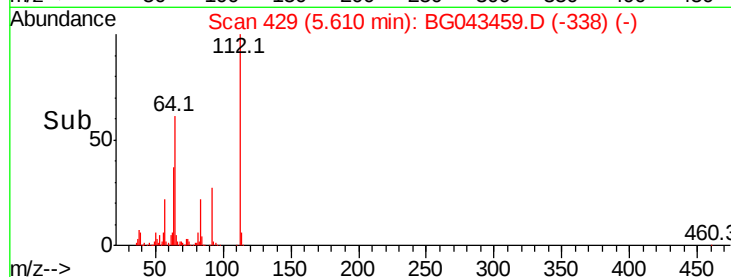
63 37.2 26.7 40.1



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: 130.624 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

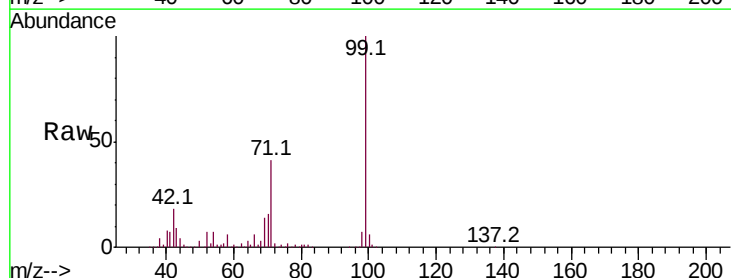
Tgt Ion: 99 Resp: 402880

Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

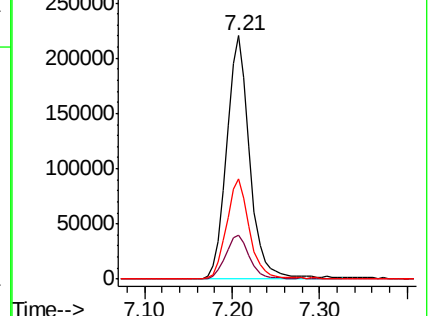
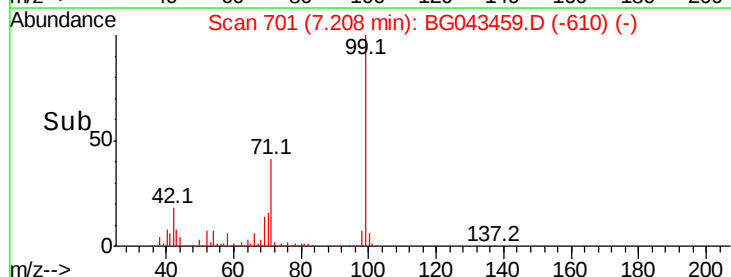
71 41.1 32.2 48.2

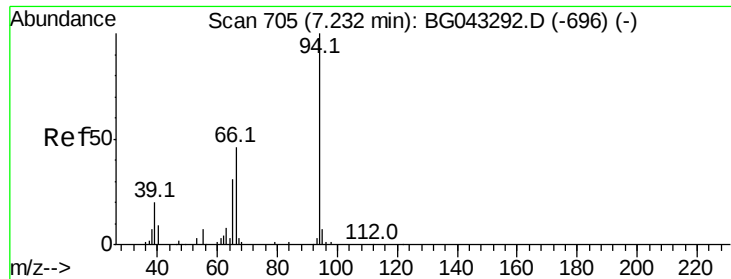


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.455 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

Instrument :

BNA_G

ClientSampleId :

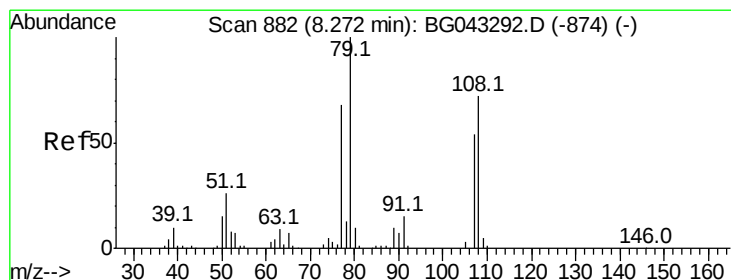
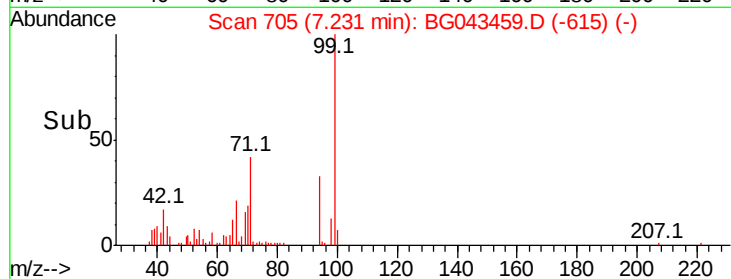
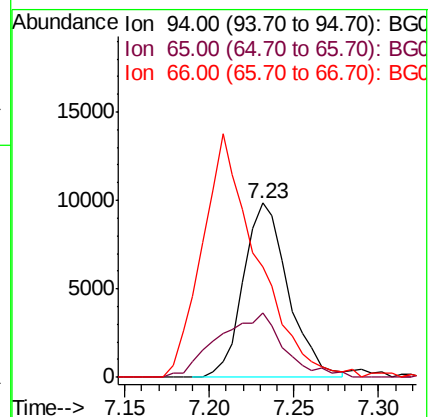
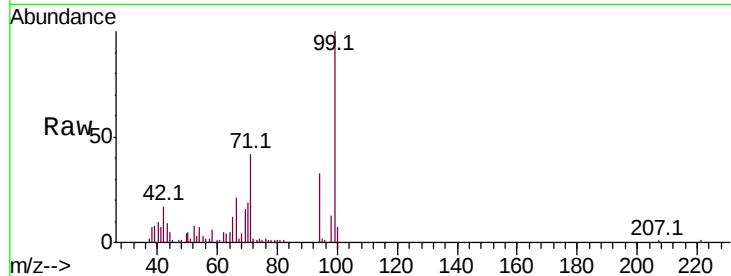
Tot Ion: 94 Resp: 18194

Ion Ratio Lower Upper

94 100

65 36.7 11.1 51.1

66 63.4 27.8 67.8



#15

Benzyl Alcohol

Concen: 2.034 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

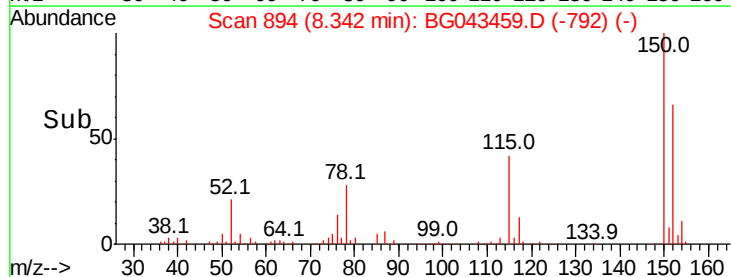
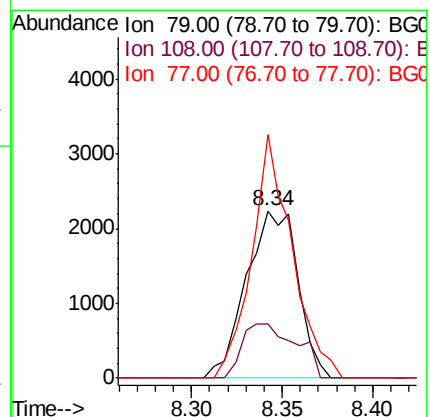
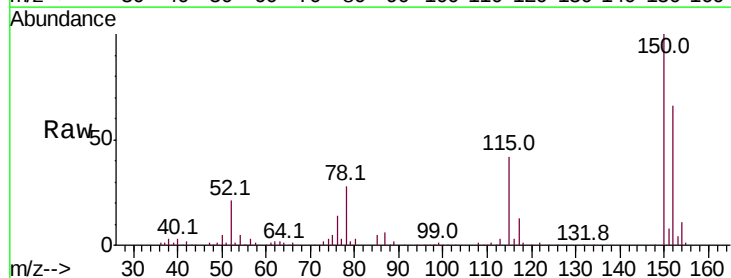
Tgt Ion: 79 Resp: 4406

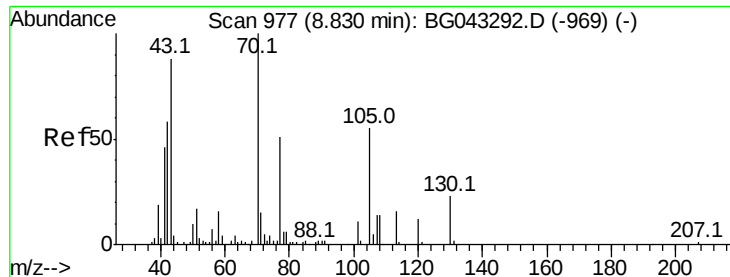
Ion Ratio Lower Upper

79 100

108 32.1 57.3 85.9#

77 145.9 54.6 81.8#

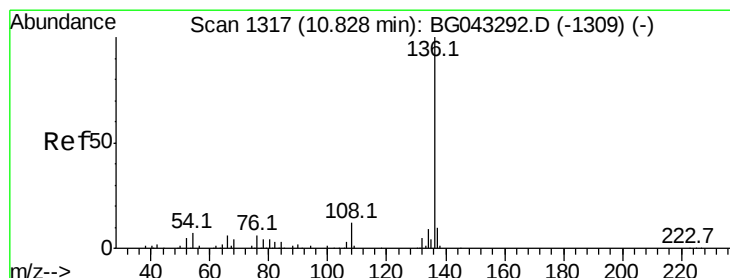
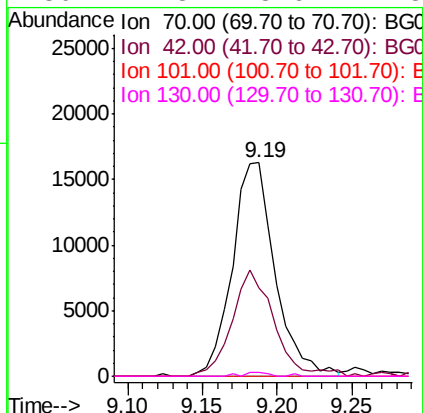
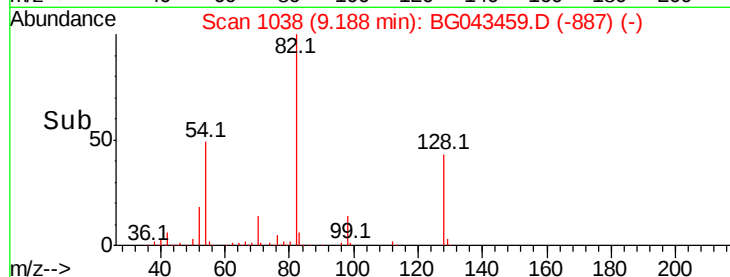
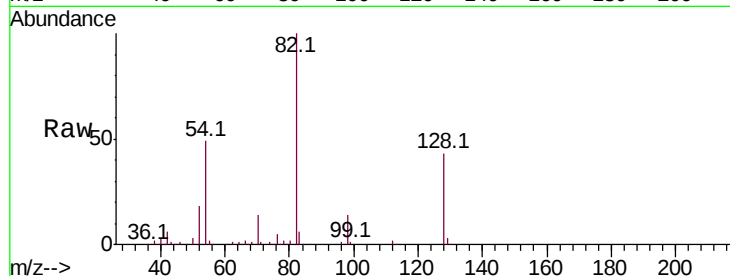




#19
n-Nitroso-di-n-propylamine
Concen: 16.307 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043459.D
Acq: 1 Nov 2019 8:39

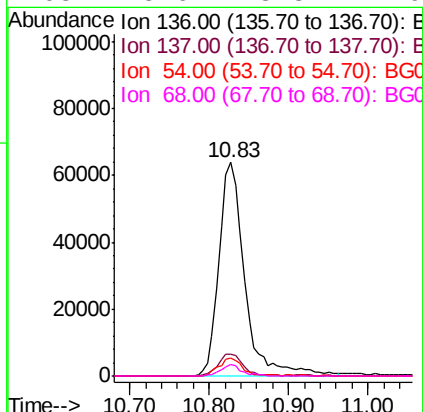
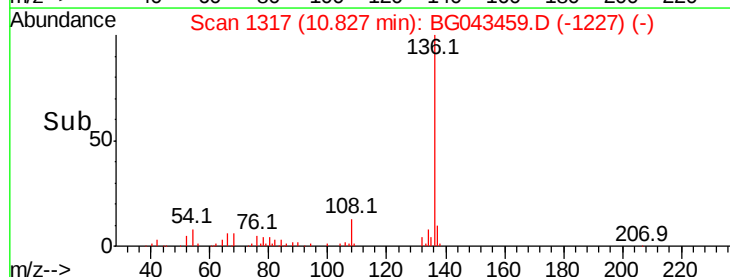
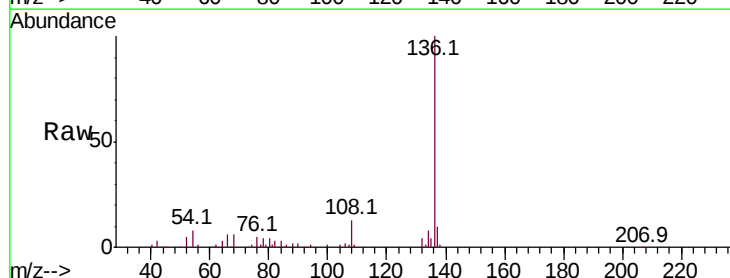
Instrument :
BNA_G
ClientSampled :

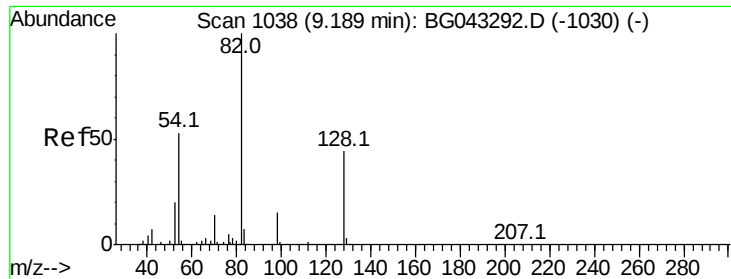
Tot Ion: 70 Resp: 32500
Ion Ratio Lower Upper
70 100
42 41.1 46.2 69.2#
101 0.0 8.6 13.0#
130 1.8 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043459.D
Acq: 1 Nov 2019 8:39

Tgt Ion: 136 Resp: 144394
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.2
54 8.1 5.4 8.2
68 5.6 3.3 4.9#

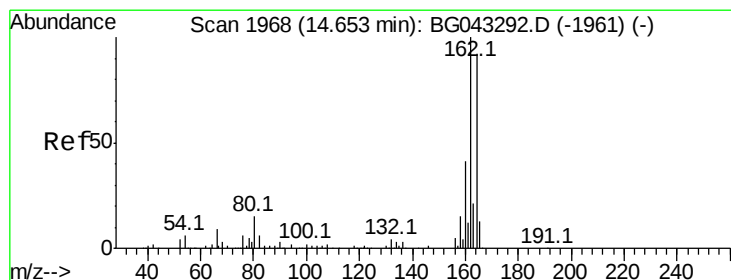
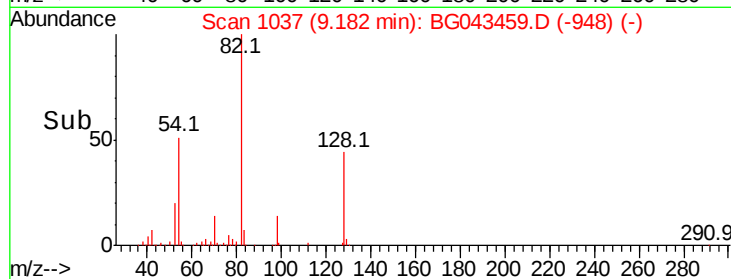
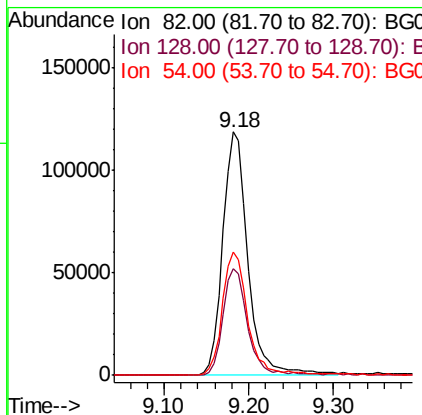
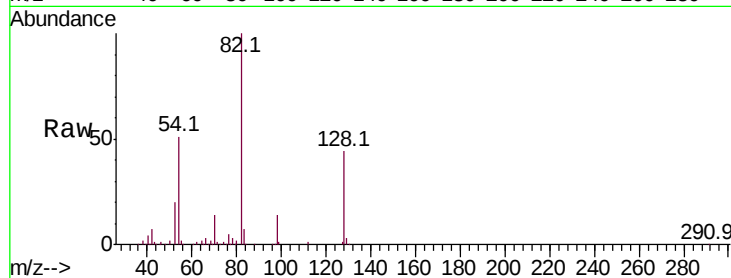




#23
Nitrobenzene-d5
Concen: 87.085 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043459.D
Acq: 1 Nov 2019 8:39

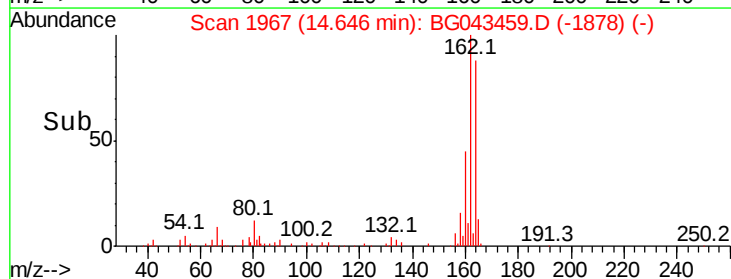
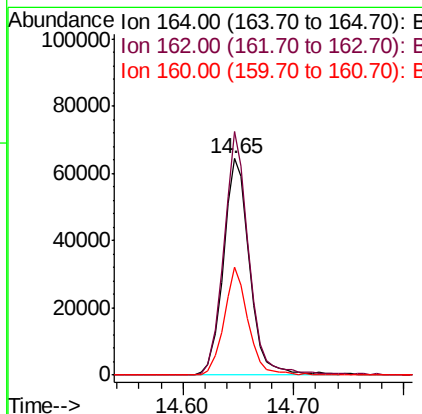
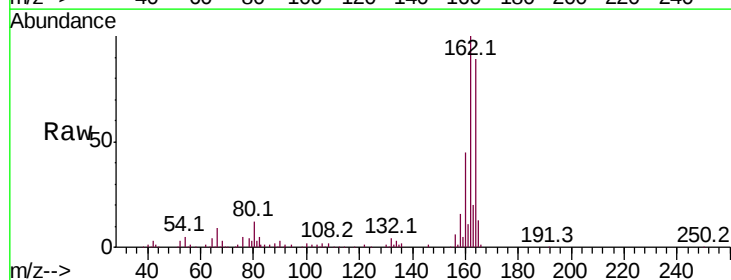
Instrument :
BNA_G
ClientSampleId :

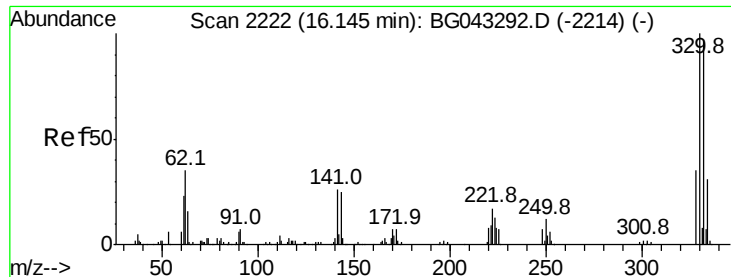
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.3	52.9
54	50.5	42.3	63.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG043459.D
Acq: 1 Nov 2019 8:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	112.4	87.0	130.4
160	50.1	35.5	53.3

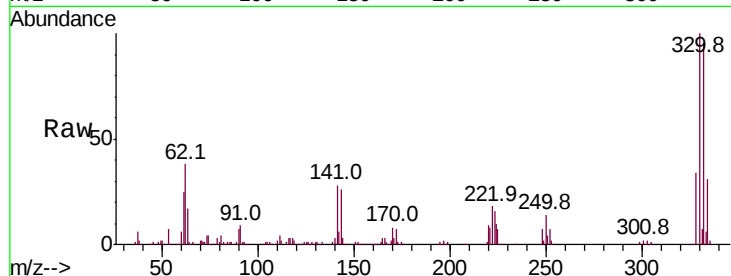




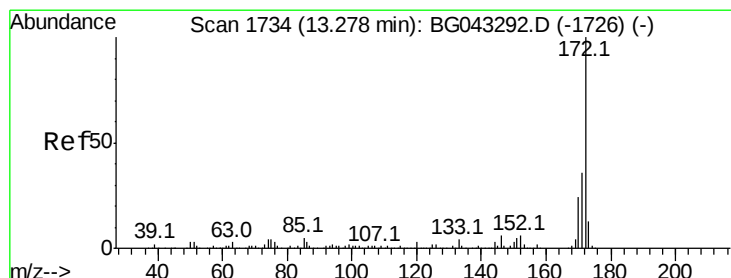
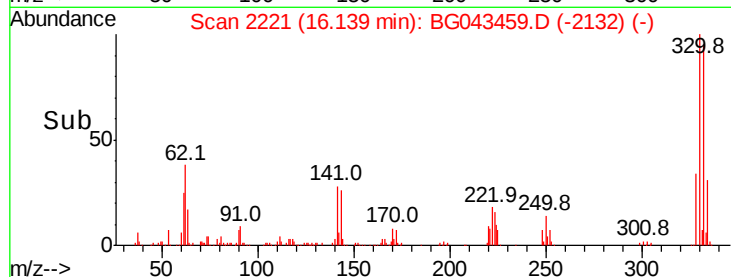
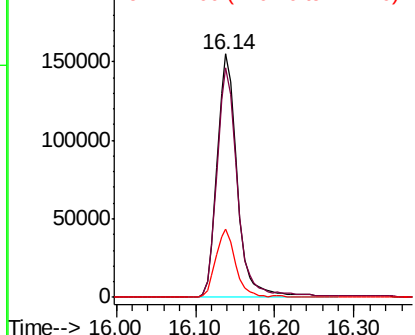
#42
 2,4,6-Tribromophenol
 Concen: 134.737 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043459.D
 Acq: 1 Nov 2019 8:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 274118
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.4 114.6
 141 27.4 21.4 32.0

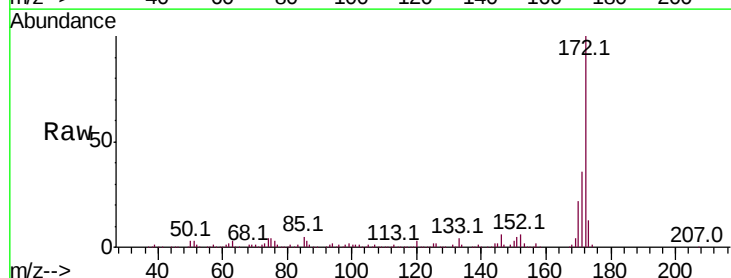


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

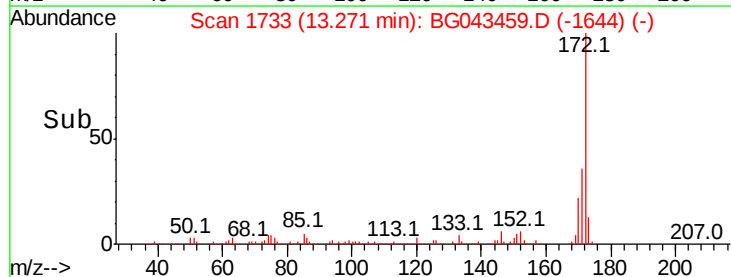
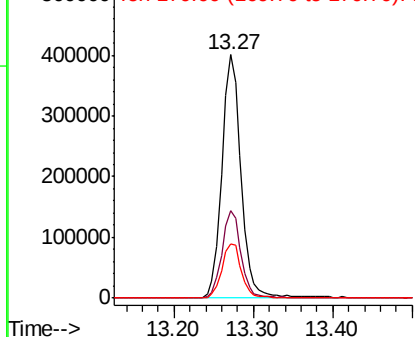


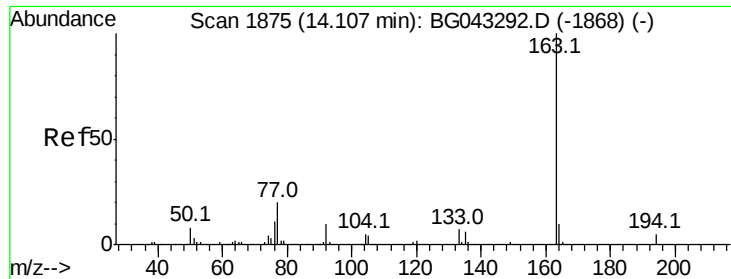
#45
 2-Fluorobiphenyl
 Concen: 87.243 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043459.D
 Acq: 1 Nov 2019 8:39

Tgt Ion:172 Resp: 674983
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 22.0 18.8 28.2



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: 19.101 ng

RT: 14.10 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

Instrument :

BNA_G

ClientSampleId :

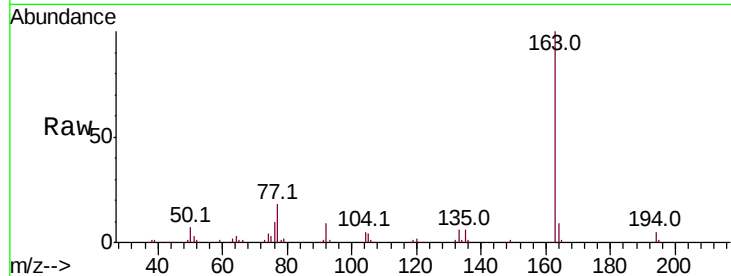
Tot Ion:163 Resp: 158167

Ion Ratio Lower Upper

163 100

194 5.0 3.7 5.5

164 9.3 8.1 12.1

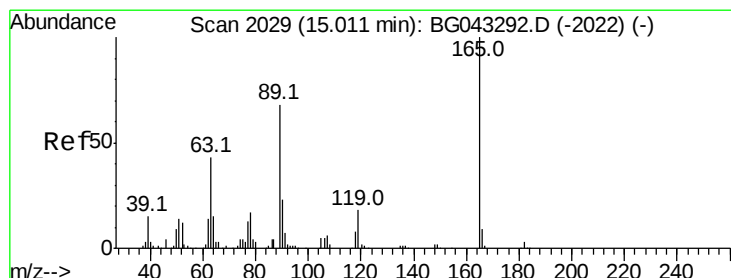
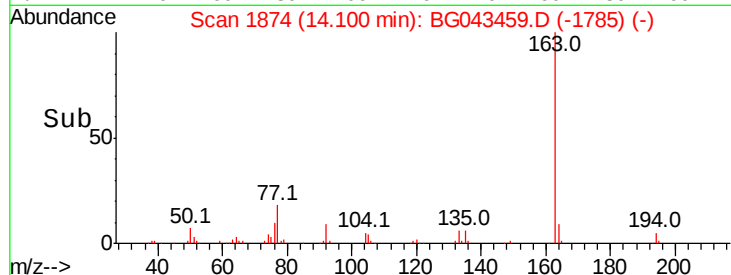
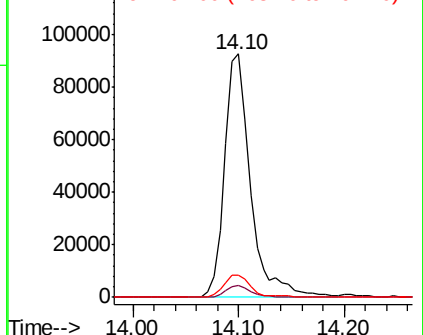


Abundance

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: 5.743 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.37 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

Tgt Ion:165 Resp: 14766

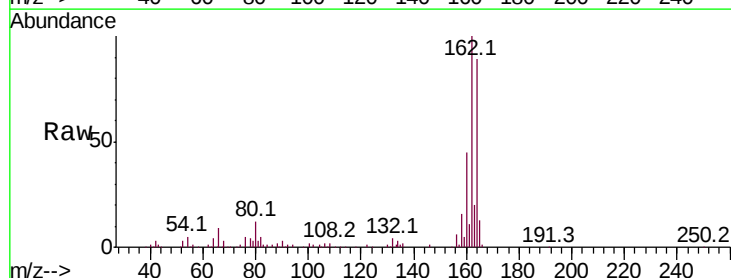
Ion Ratio Lower Upper

165 100

63 2.2 35.0 52.6#

89 3.1 54.1 81.1#

182 0.0 2.2 3.2#



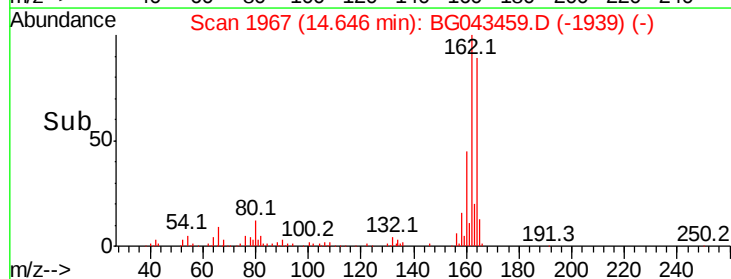
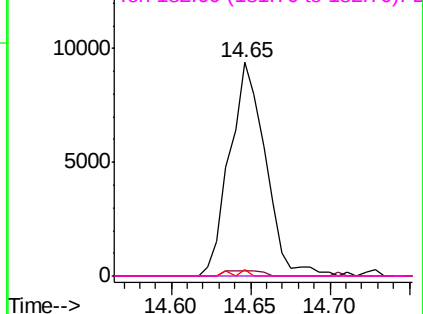
Abundance

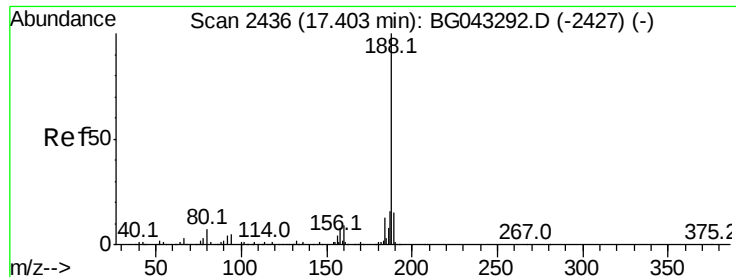
Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

Instrument :

BNA_G

ClientSampleId :

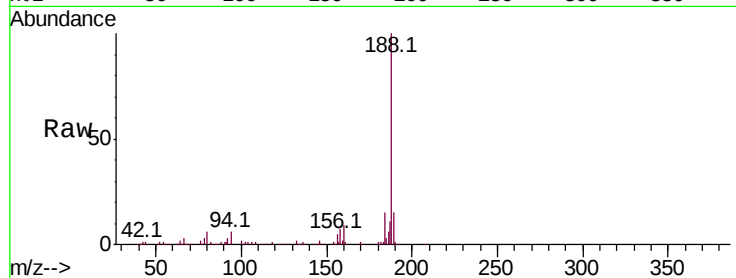
Tot Ion:188 Resp: 265143

Ion Ratio Lower Upper

188 100

94 6.2 4.2 6.2

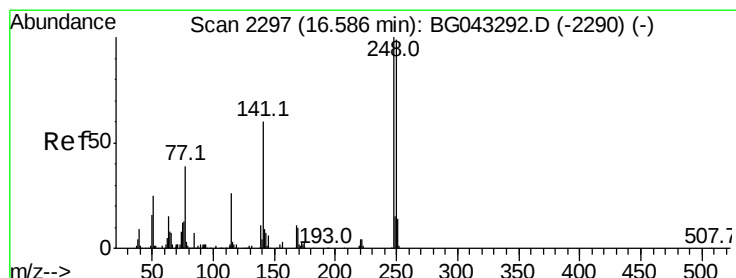
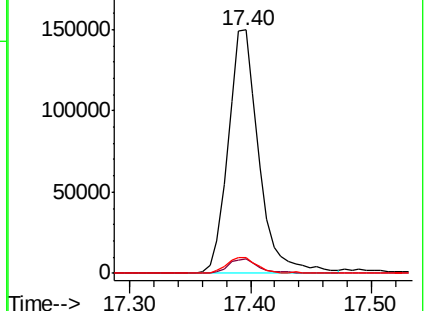
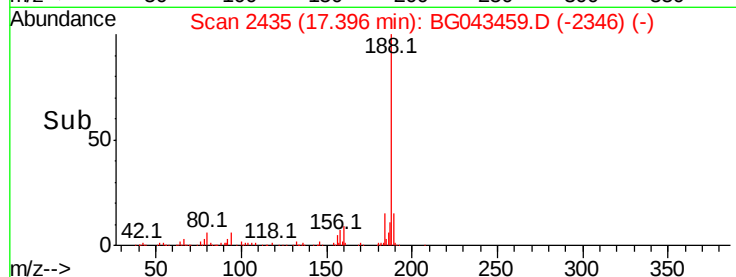
80 6.3 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

200000 Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 4.869 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

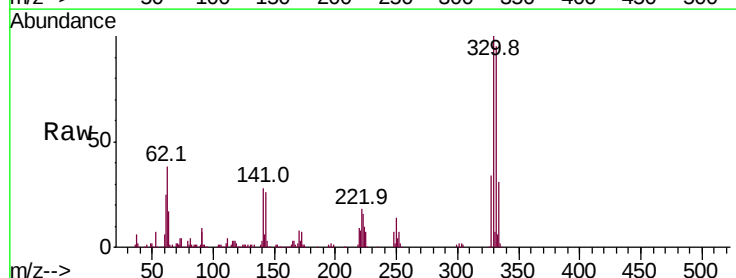
Tgt Ion:248 Resp: 17373

Ion Ratio Lower Upper

248 100

250 202.9 79.3 118.9#

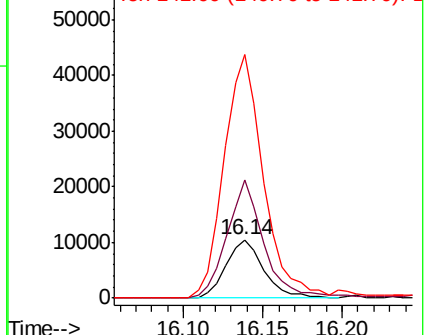
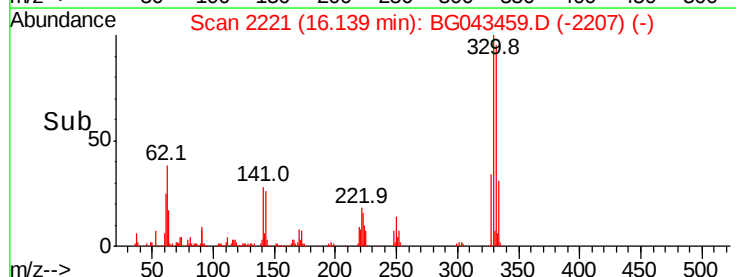
141 419.2 47.9 71.9#

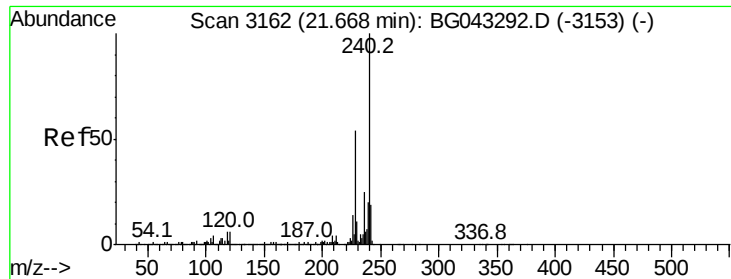


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

Instrument :

BNA_G

ClientSampleId :

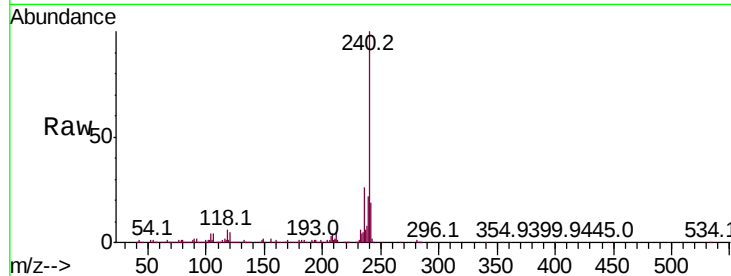
Tot Ion:240 Resp: 274569

Ion Ratio Lower Upper

240 100

120 4.5 4.6 7.0#

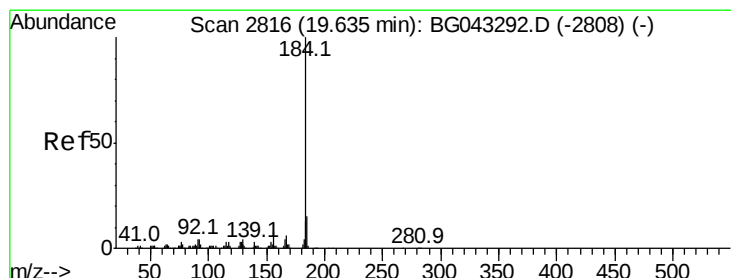
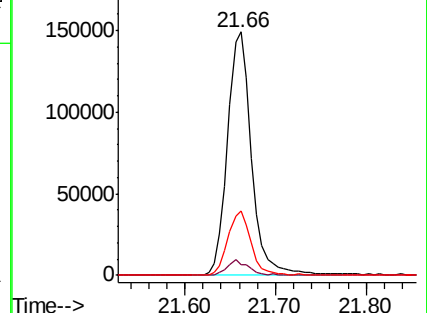
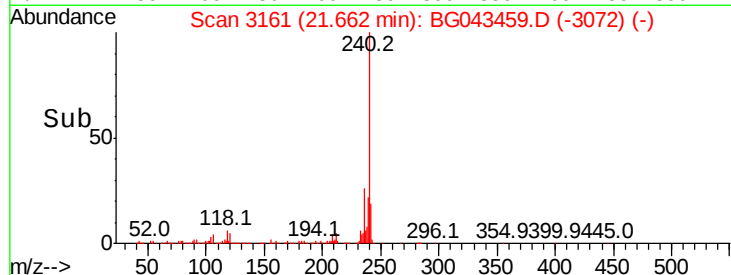
236 26.4 20.2 30.4



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



#77

Benzidine

Concen: 3.703 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043459.D

Acq: 1 Nov 2019 8:39

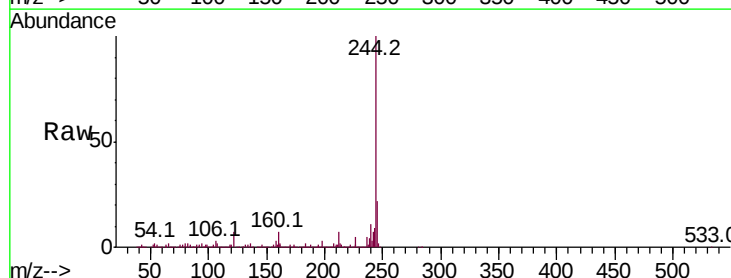
Tgt Ion:184 Resp: 20464

Ion Ratio Lower Upper

184 100

185 12.5 11.8 17.6

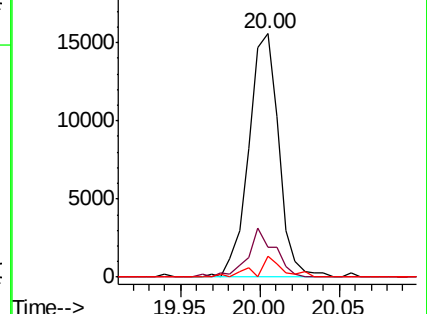
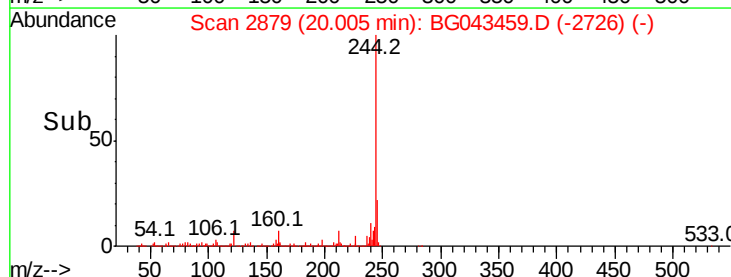
183 8.7 10.6 16.0#

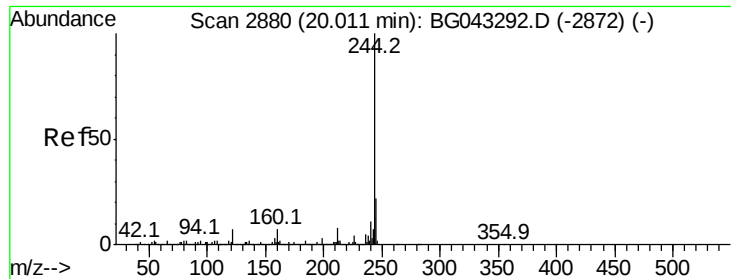


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



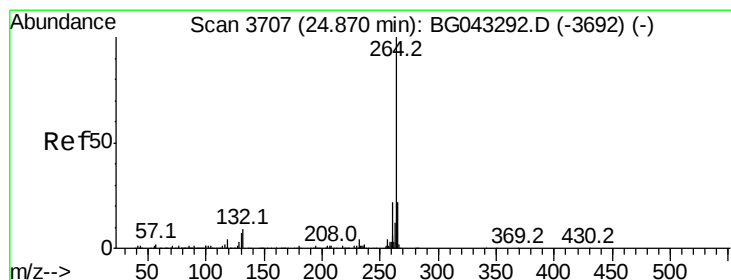
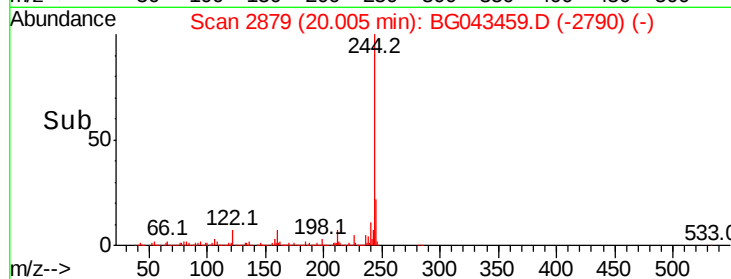
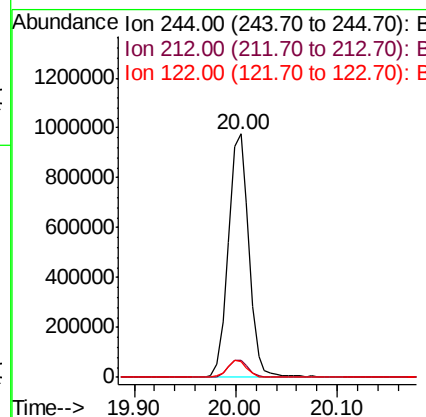
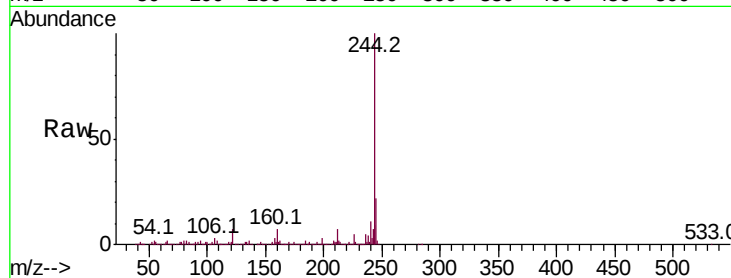


#79
 Terphenyl-d14
 Concen: 93.889 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043459.D
 Acq: 1 Nov 2019 8:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1374107

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	6.5	5.3	7.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.02 min
 Lab File: BG043459.D
 Acq: 1 Nov 2019 8:39

Tgt Ion:264 Resp: 321611

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.9	26.9
265	22.2	17.4	26.2

