

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043728.D
 Acq On : 20 Nov 2019 15:15
 Operator : JU
 Sample : K5904-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:34:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	26280	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	98432	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	73015	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	180626	20.00	ng	0.00
76) Chrysene-d12	21.63	240	195237	20.00	ng	0.00
87) Perylene-d12	24.81	264	225333	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	225559	157.28	ng	0.00
7) Phenol-d6	7.18	99	311634	151.03	ng	0.00
23) Nitrobenzene-d5	9.15	82	179350	93.94	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	183346	131.95	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	519151	98.25	ng	0.00
79) Terphenyl-d14	19.98	244	1118926	107.52	ng	0.00

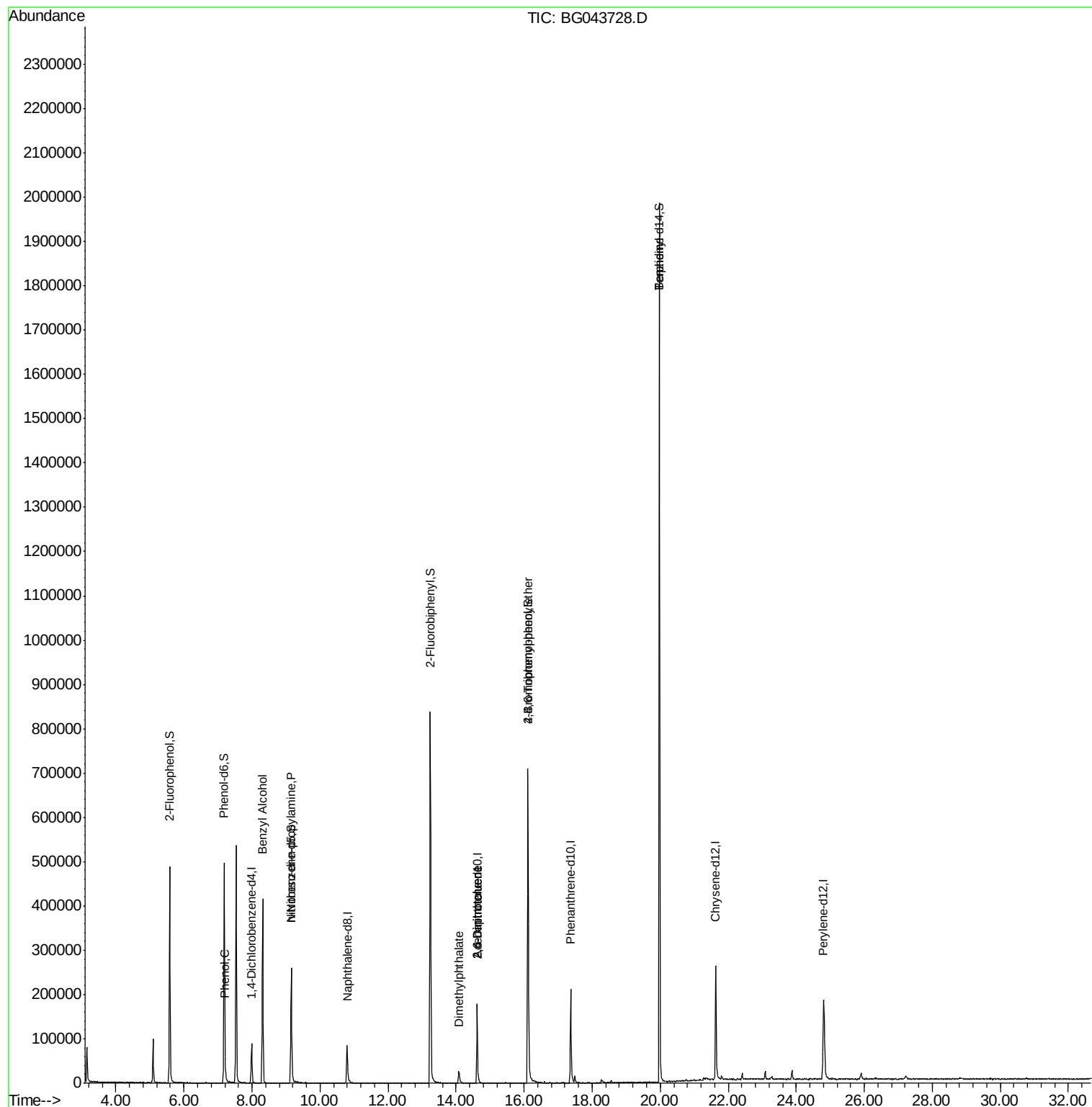
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.21	94	10363	5.496	ng	95
15) Benzyl Alcohol	8.31	79	3363	2.321	ng	# 65
19) n-Nitroso-di-n-propylamine	9.15	70	25708	19.281	ng	# 77
50) Dimethylphthalate	14.09	163	32682	5.779	ng	96
51) 2,6-Dinitrotoluene	14.62	165	9181	7.472	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	9181	5.229	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	11795	4.852	ng	# 1
77) Benzidine	19.97	184	16262	4.139	ng	# 95

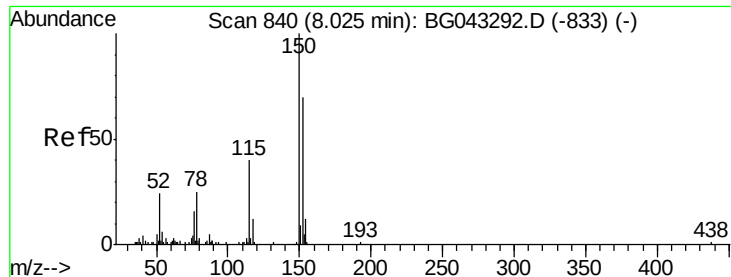
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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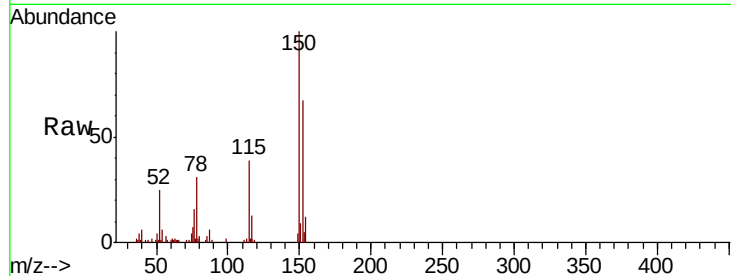


#1

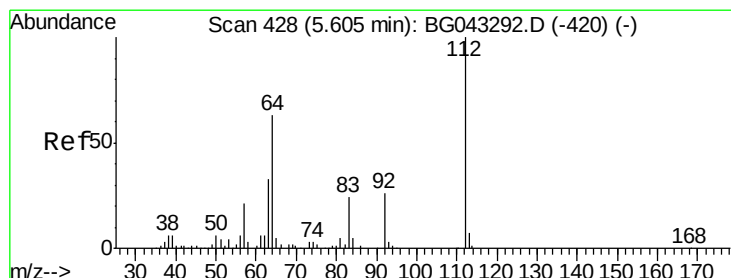
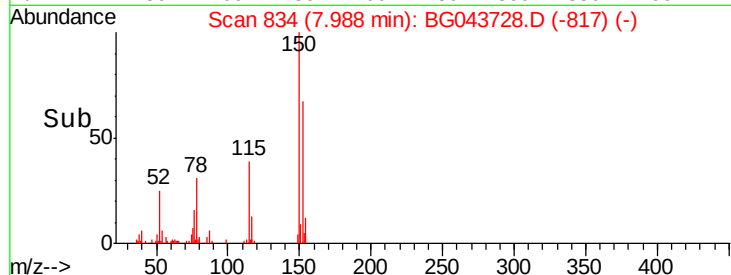
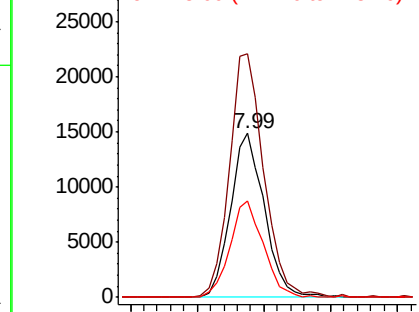
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043728.D
Acq: 20 Nov 2019 15:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26280
Ion Ratio Lower Upper
152 100
150 148.4 116.6 175.0
115 58.5 40.5 60.7



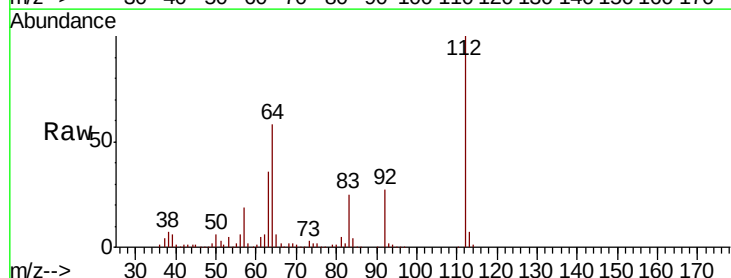
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



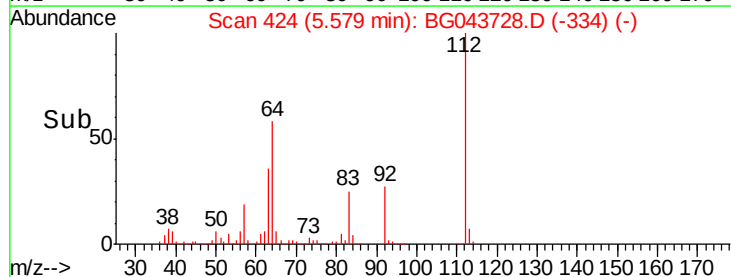
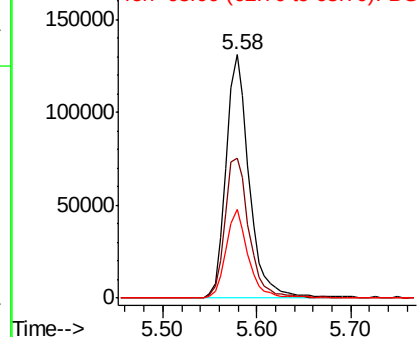
#5

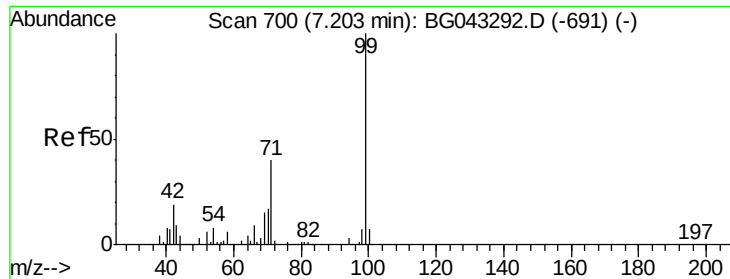
2-Fluorophenol
Concen: 157.277 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043728.D
Acq: 20 Nov 2019 15:15

Tgt Ion:112 Resp: 225559
Ion Ratio Lower Upper
112 100
64 57.5 50.6 75.8
63 36.5 30.5 45.7



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: 151.029 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

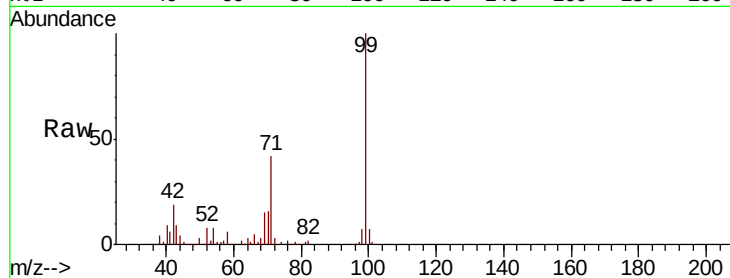
Tot Ion: 99 Resp: 311634

Ion Ratio Lower Upper

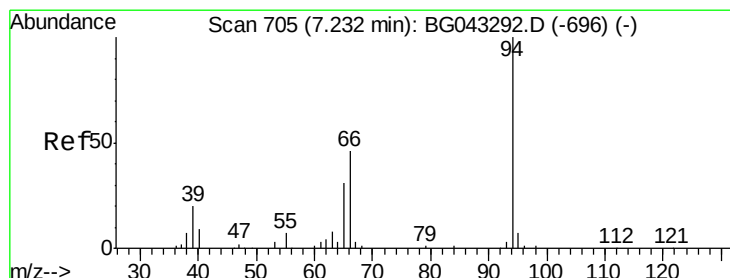
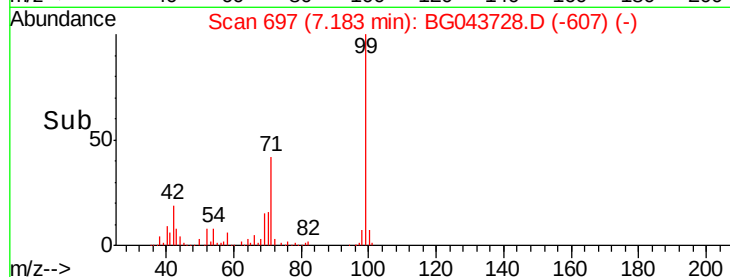
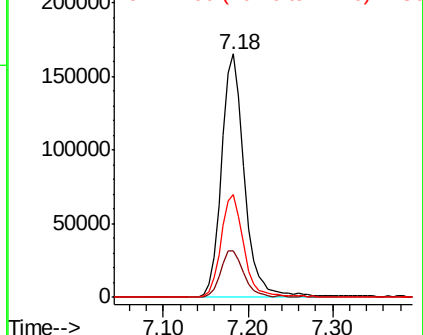
99 100

42 19.2 15.8 23.8

71 42.0 34.4 51.6



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: 5.496 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

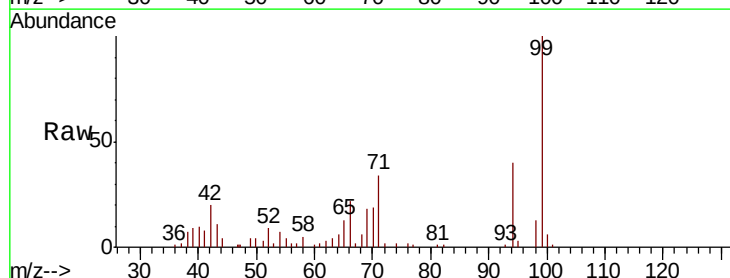
Tgt Ion: 94 Resp: 10363

Ion Ratio Lower Upper

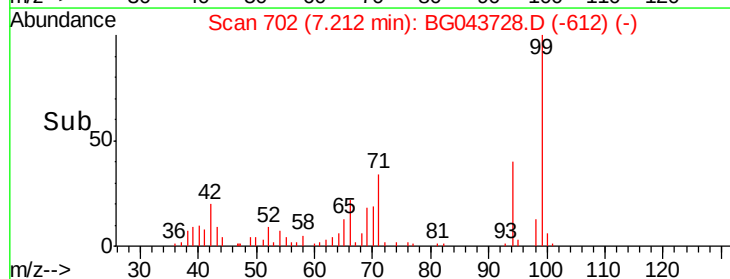
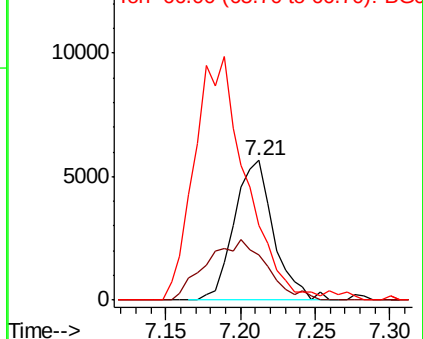
94 100

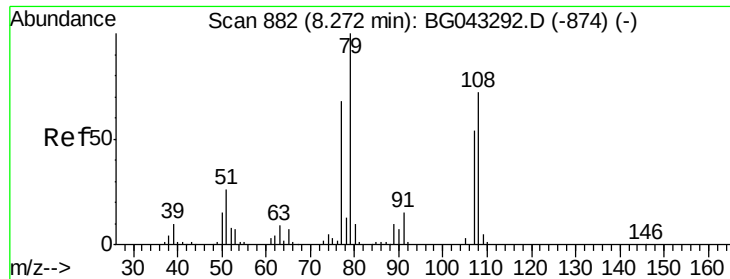
65 32.3 11.4 51.4

66 53.5 28.4 68.4



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





#15

Benzyl Alcohol

Concen: 2.321 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.07 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

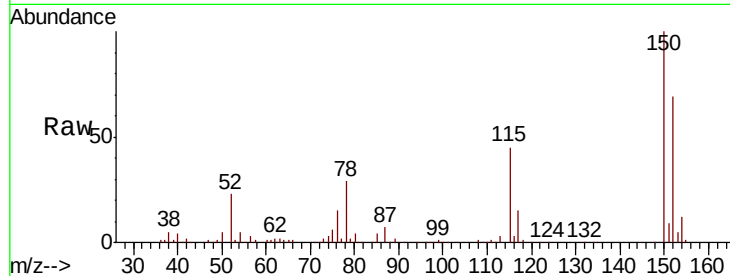
Tot Ion: 79 Resp: 3363

Ion Ratio Lower Upper

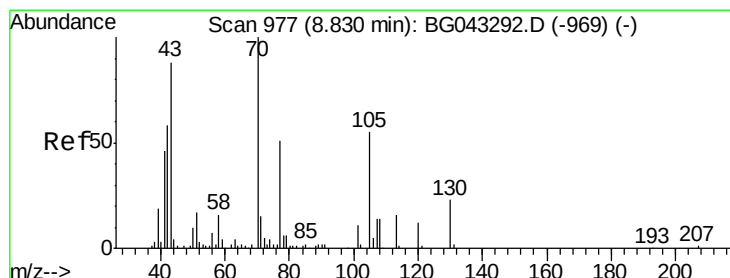
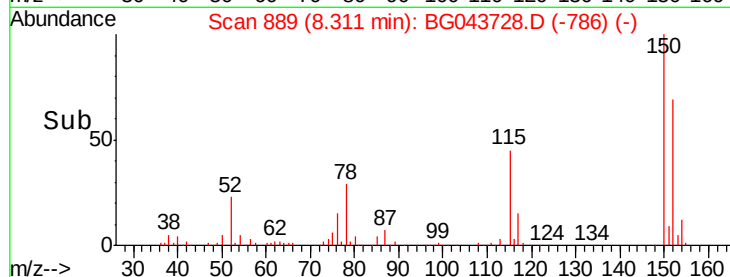
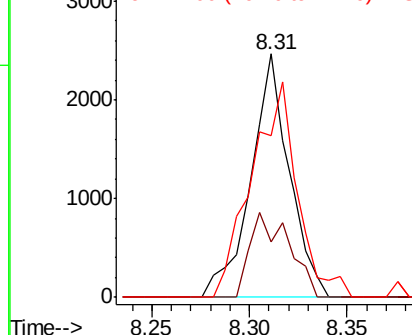
79 100

108 22.9 56.0 84.0#

77 66.5 47.9 71.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.281 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Tgt Ion: 70 Resp: 25708

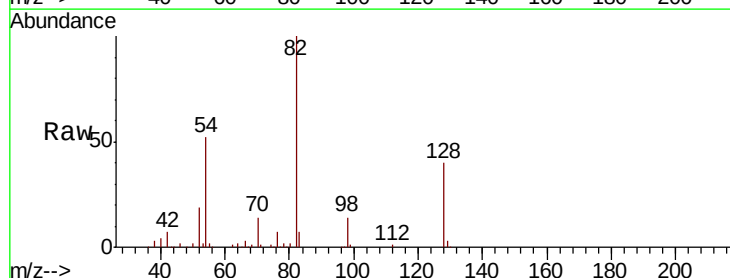
Ion Ratio Lower Upper

70 100

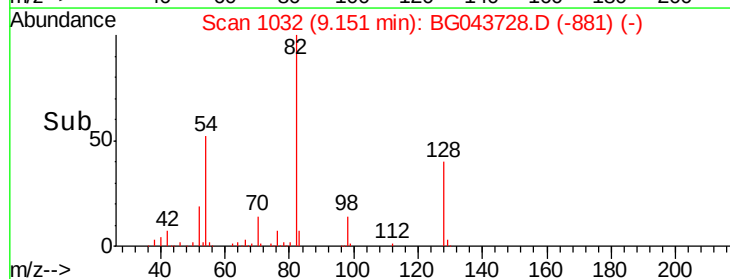
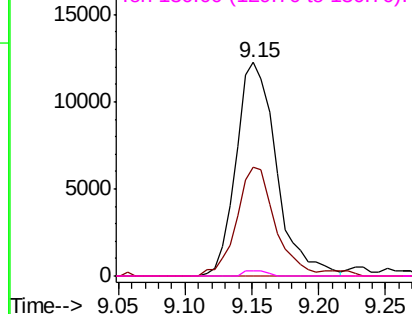
42 51.1 49.7 74.5

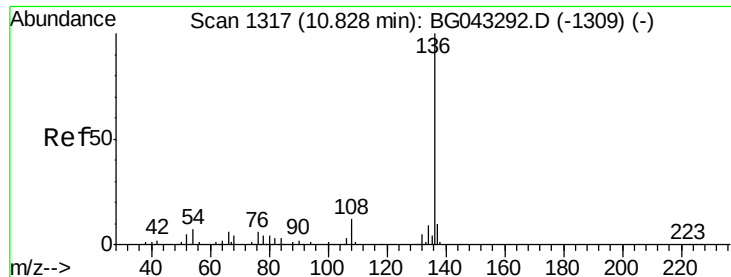
101 0.0 9.7 14.5#

130 2.6 17.7 26.5#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

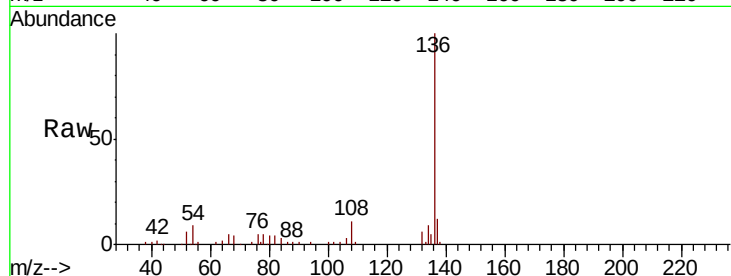




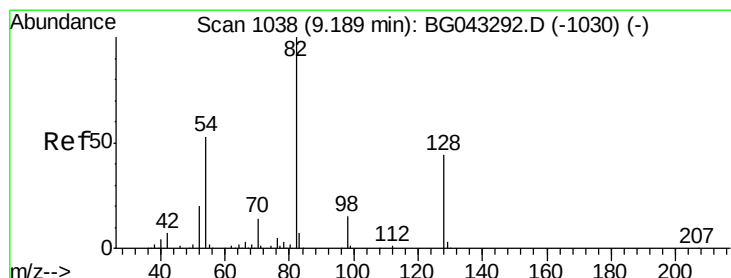
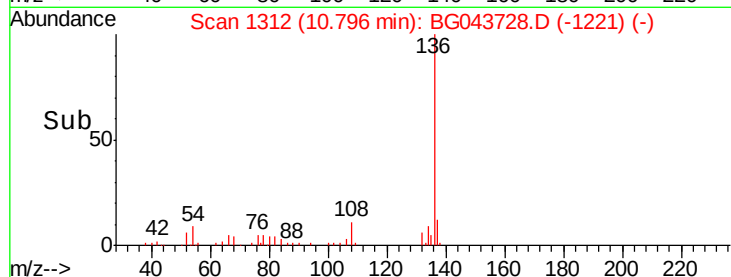
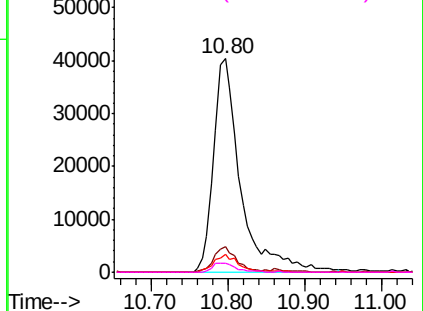
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043728.D
Acq: 20 Nov 2019 15:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	98432
Ion	Ratio	Lower Upper
136	100	
137	11.9	8.8 13.2
54	8.6	6.2 9.2
68	4.0	3.4 5.0

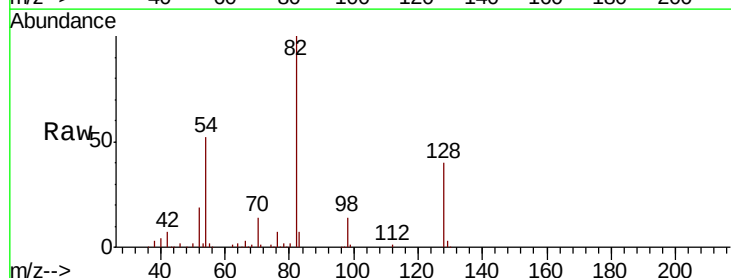


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

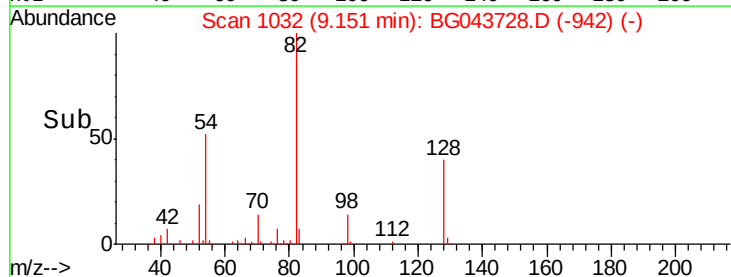
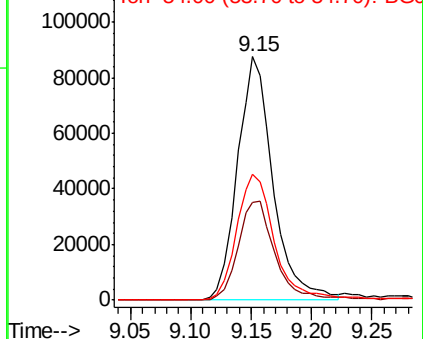


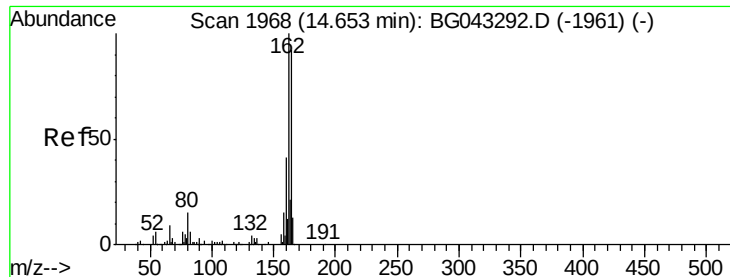
#23
Nitrobenzene-d5
Concen: 93.936 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043728.D
Acq: 20 Nov 2019 15:15

Tgt Ion: 82	Resp:	179350
Ion	Ratio	Lower Upper
82	100	
128	40.2	34.2 51.4
54	51.9	44.7 67.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

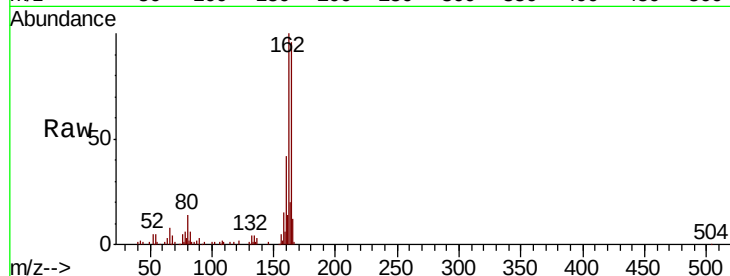
Tot Ion:164 Resp: 73015

Ion Ratio Lower Upper

164 100

162 104.6 79.4 119.2

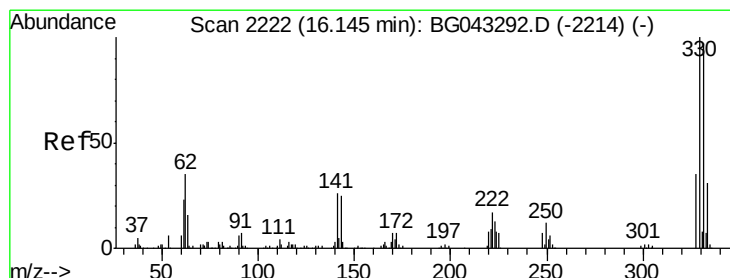
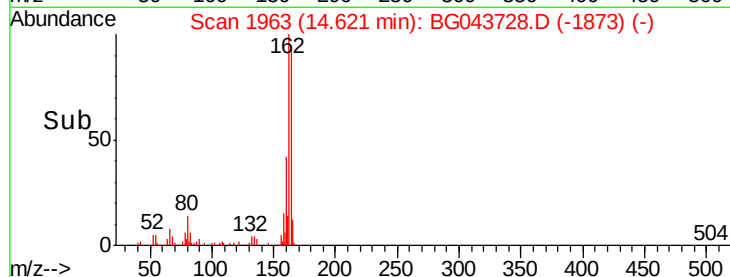
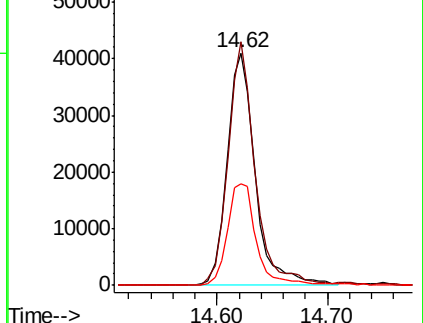
160 43.4 36.3 54.5



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: 131.953 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

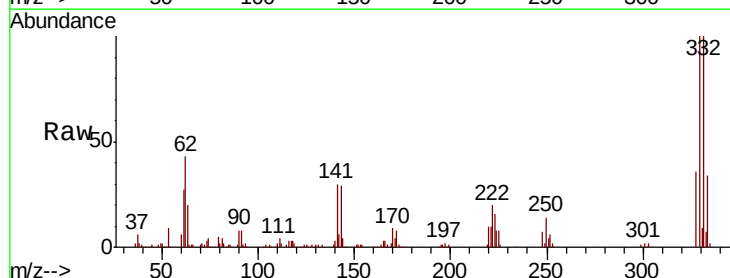
Tgt Ion:330 Resp: 183346

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

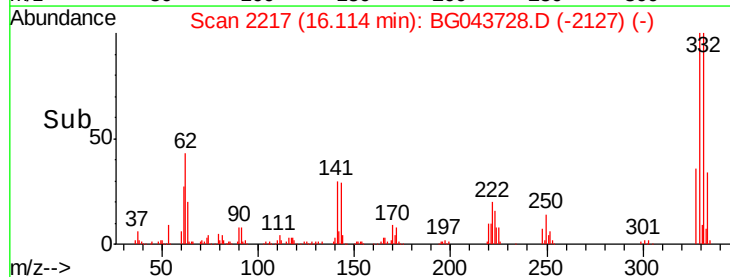
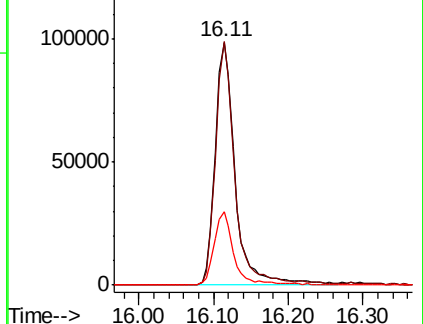
141 29.2 23.4 35.2

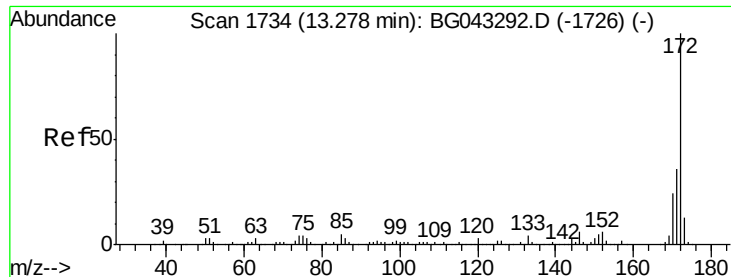


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

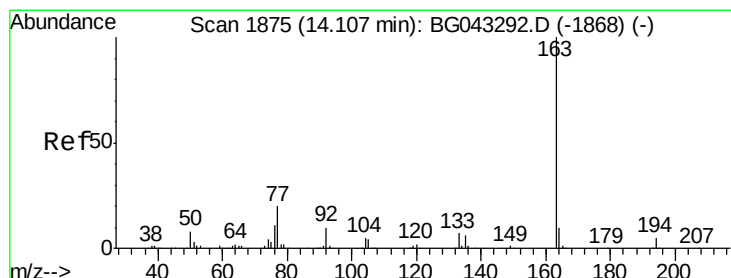
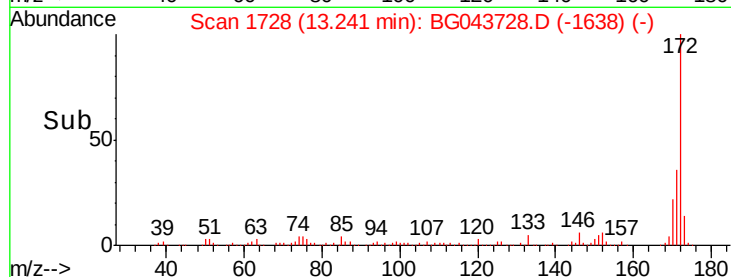
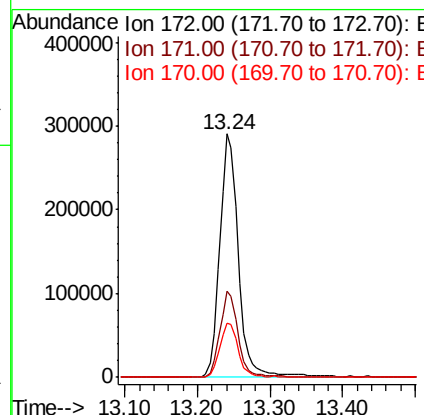
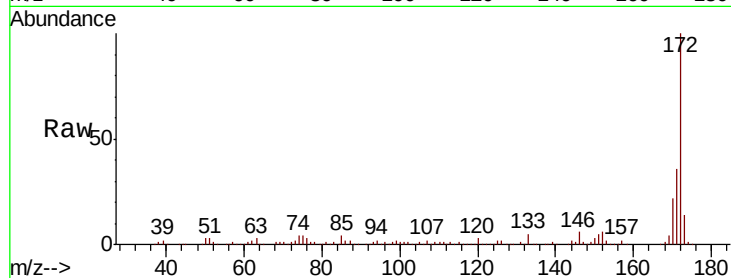




#45
2-Fluorobiphenyl
Concen: 98.249 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG043728.D
Acq: 20 Nov 2019 15:15

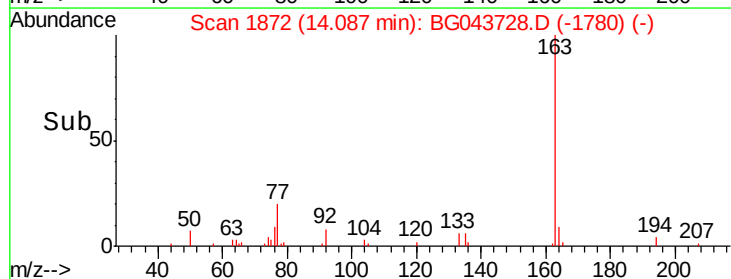
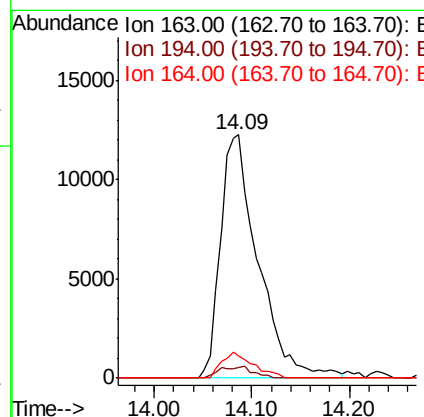
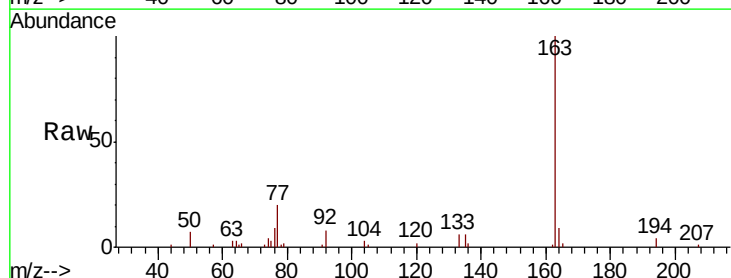
Instrument :
BNA_G
ClientSampleId :

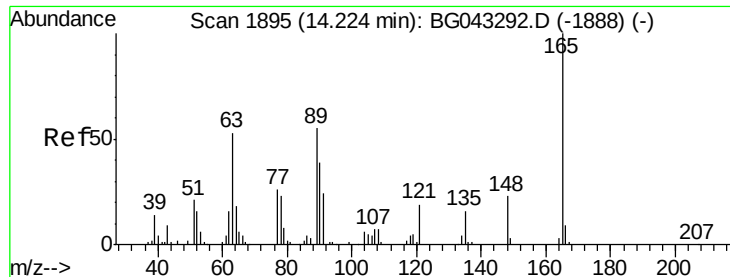
Tot Ion:172 Resp: 519151
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 22.3 18.8 28.2



#50
Dimethylphthalate
Concen: 5.779 ng
RT: 14.09 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BG043728.D
Acq: 20 Nov 2019 15:15

Tgt Ion:163 Resp: 32682
Ion Ratio Lower Upper
163 100
194 4.2 3.8 5.8
164 8.9 8.5 12.7

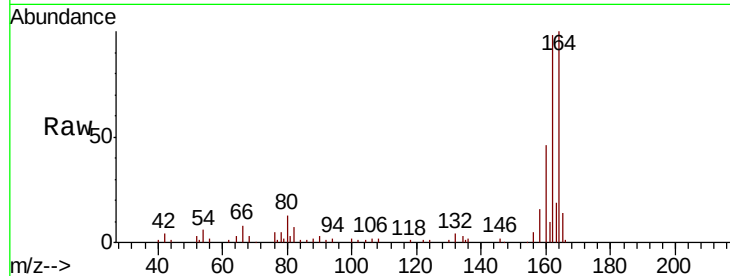




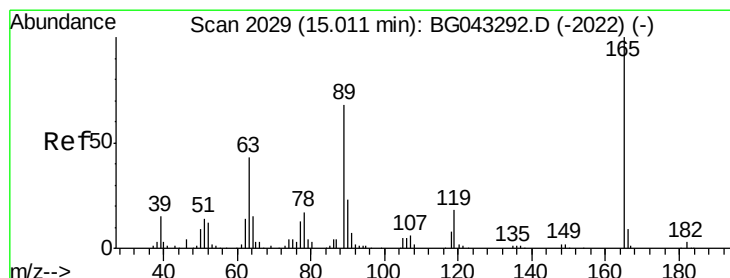
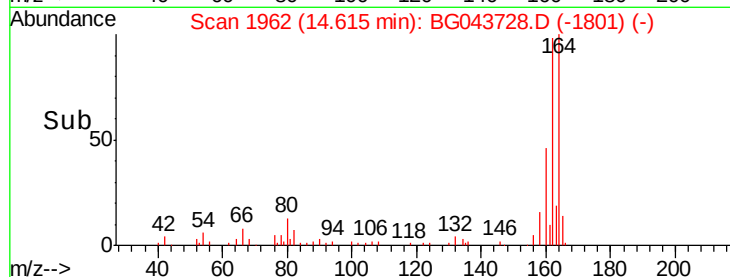
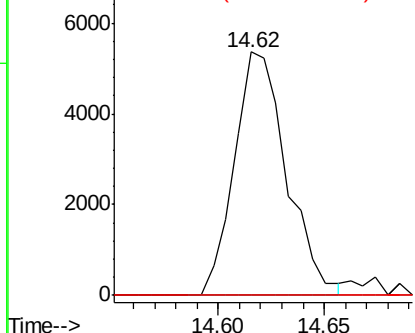
#51
 2,6-Dinitrotoluene
 Concen: 7.472 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. 0.41 min
 Lab File: BG043728.D
 Acq: 20 Nov 2019 15:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	39.8	59.8#



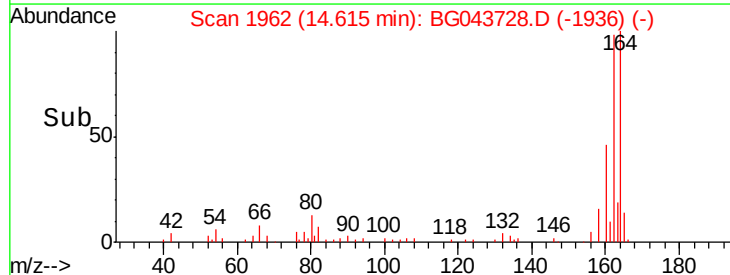
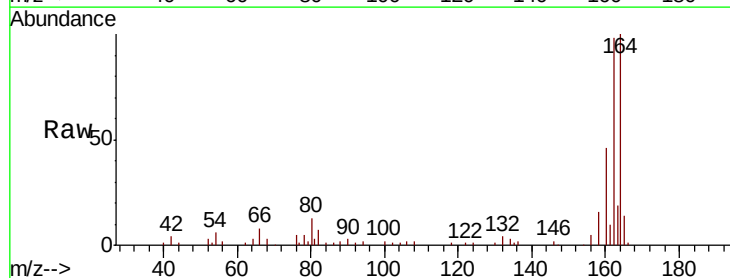
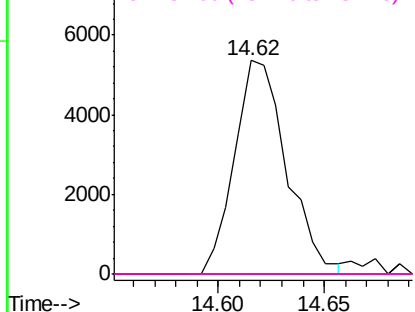
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

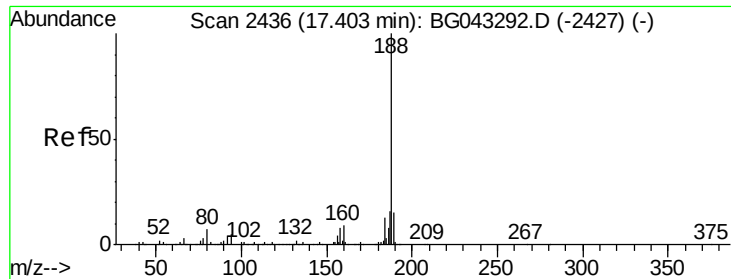


#57
 2,4-Dinitrotoluene
 Concen: 5.229 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.38 min
 Lab File: BG043728.D
 Acq: 20 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.4	56.0#
89	0.0	50.9	76.3#
182	0.0	2.3	3.5#

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: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

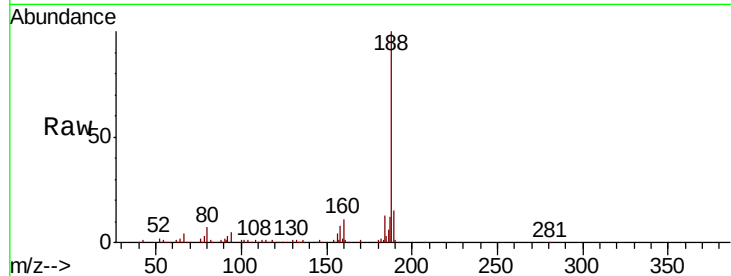
Tot Ion:188 Resp: 180626

Ion Ratio Lower Upper

188 100

94 5.0 4.6 7.0

80 6.9 5.2 7.8



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

120000

100000

80000

60000

40000

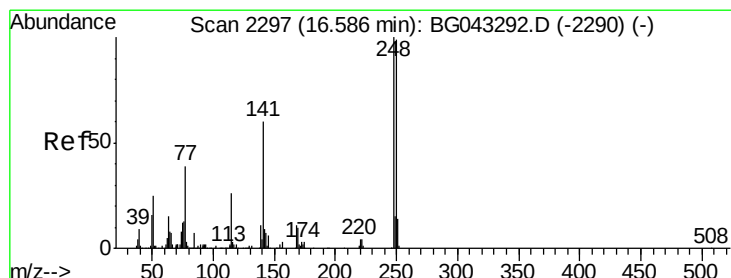
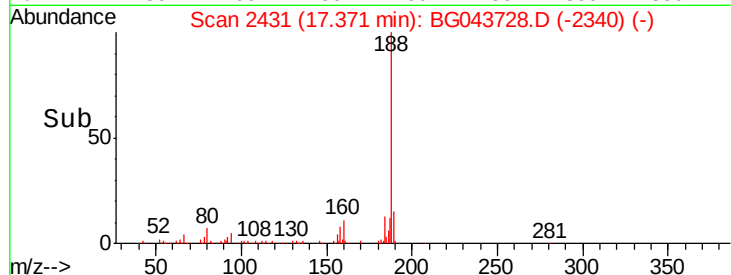
20000

0

17.37

17.30 17.40 17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.852 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

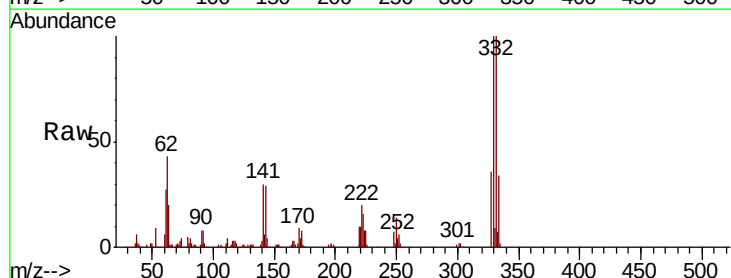
Tgt Ion:248 Resp: 11795

Ion Ratio Lower Upper

248 100

250 209.2 76.3 114.5#

141 446.8 49.5 74.3#



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

40000

30000

20000

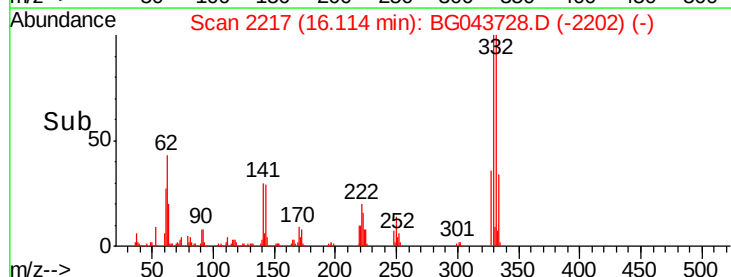
10000

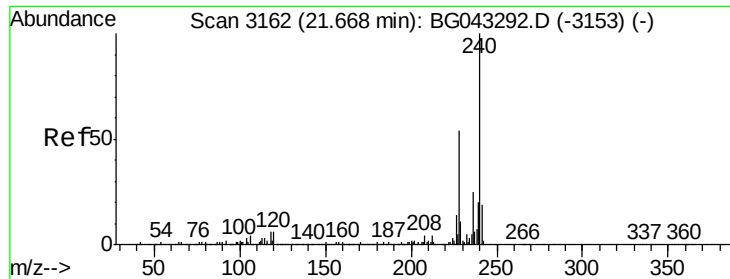
0

16.11

16.05 16.10 16.15 16.20

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

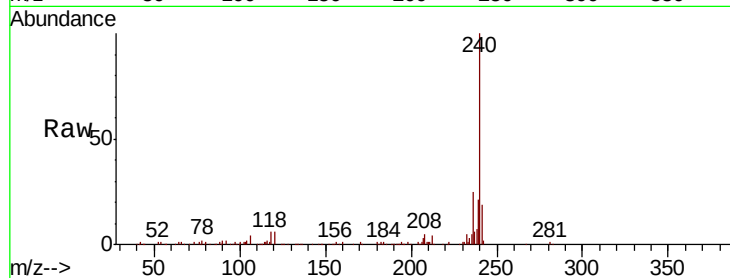
Tot Ion:240 Resp: 195237

Ion Ratio Lower Upper

240 100

120 6.0 4.9 7.3

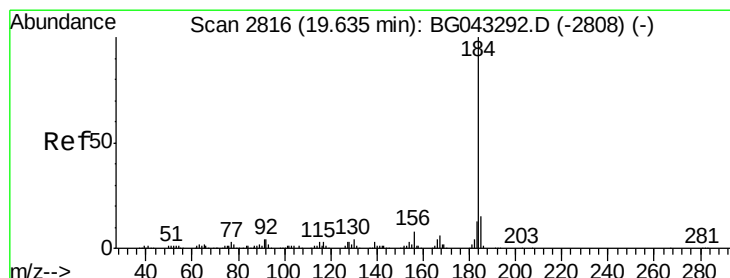
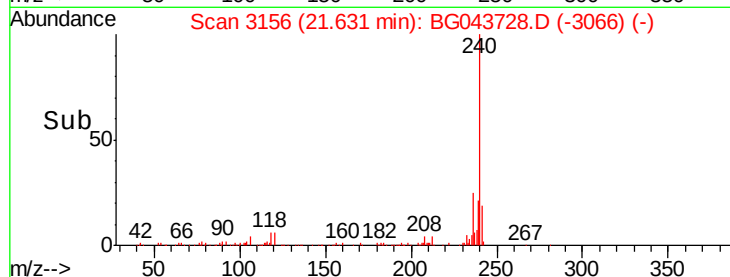
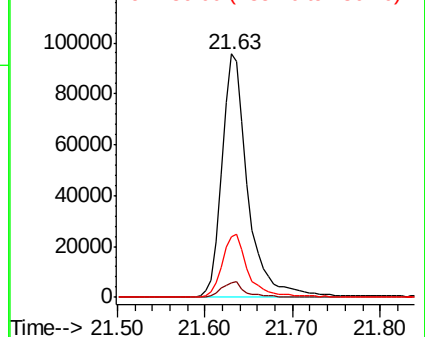
236 24.9 21.4 32.0



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: 4.139 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

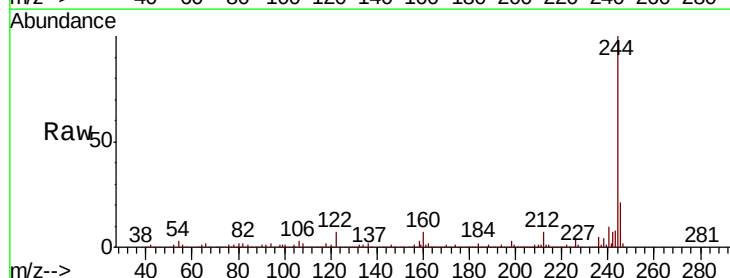
Tgt Ion:184 Resp: 16262

Ion Ratio Lower Upper

184 100

185 15.1 12.7 19.1

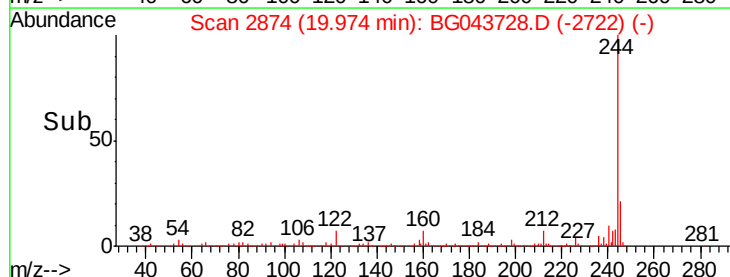
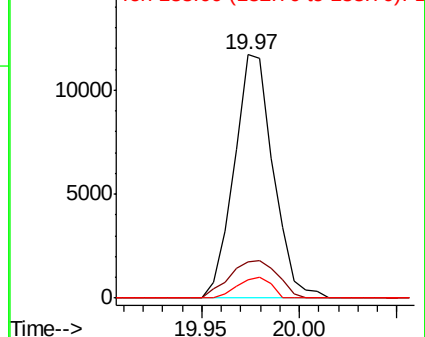
183 7.5 8.8 13.2#

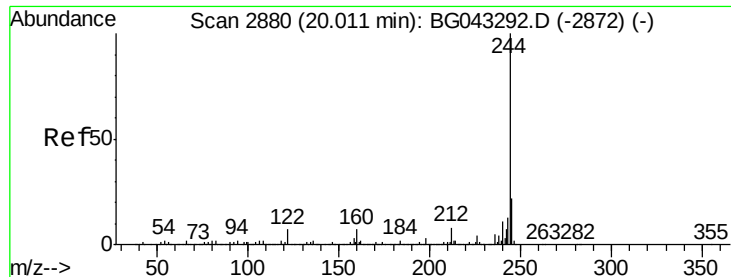


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.519 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Instrument :

BNA_G

ClientSampleId :

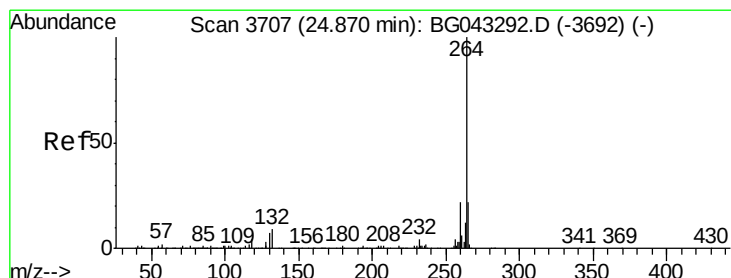
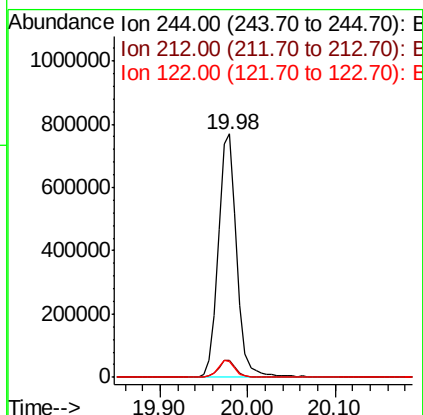
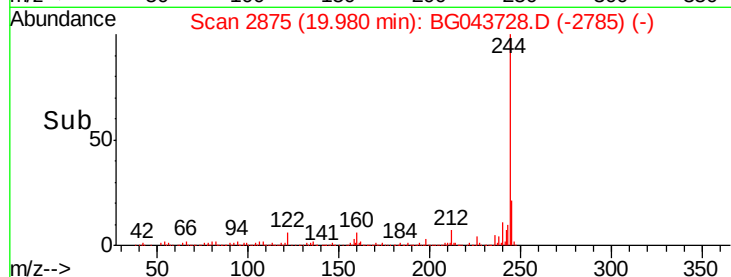
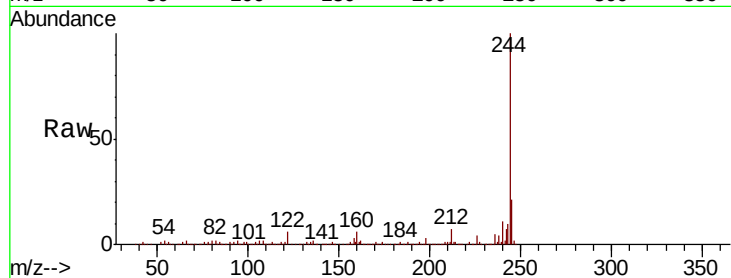
Tot Ion:244 Resp: 1118926

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 6.5 5.2 7.8



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BG043728.D

Acq: 20 Nov 2019 15:15

Tgt Ion:264 Resp: 225333

Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 21.8 15.8 23.8

