

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043713.D
 Acq On : 20 Nov 2019 2:04
 Operator : JU
 Sample : PB124943BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 03:56:52 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

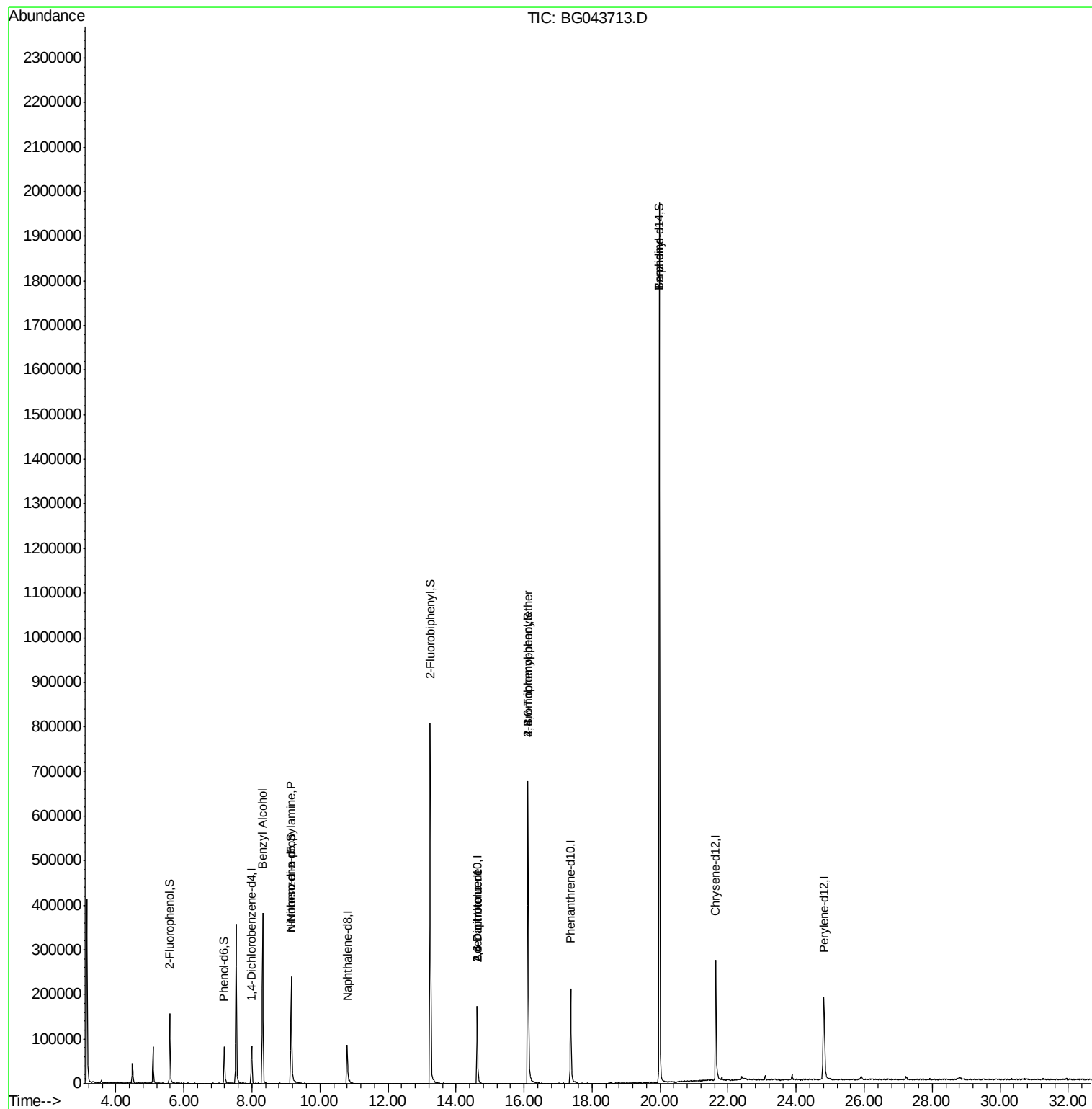
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	26928	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	91527	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	73863	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	190092	20.00	ng	0.00
76) Chrysene-d12	21.63	240	208838	20.00	ng	0.00
87) Perylene-d12	24.81	264	241257	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	76046	51.75	ng	0.00
7) Phenol-d6	7.18	99	60200	28.47	ng	0.00
23) Nitrobenzene-d5	9.15	82	176035	99.16	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	172642	122.82	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	489562	91.59	ng	0.00
79) Terphenyl-d14	19.98	244	1135659	102.02	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.31	79	3502	2.358	ng	# 57
19) n-Nitroso-di-n-propylamine	9.16	70	25414	18.602	ng	# 73
51) 2,6-Dinitrotoluene	14.62	165	10397	8.365	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	10396	5.853	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	11080	4.331	ng	# 1
77) Benzidine	19.97	184	17662	4.202	ng	# 93

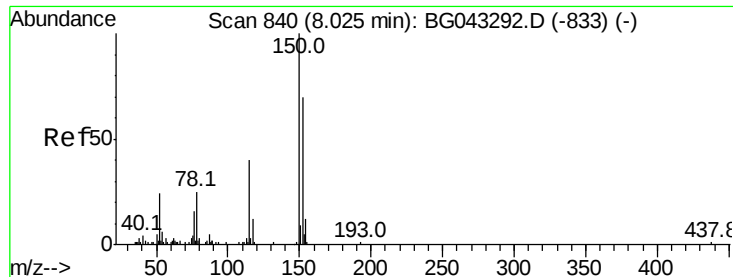
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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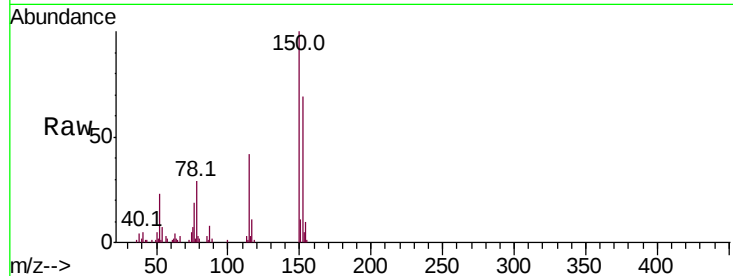


#1

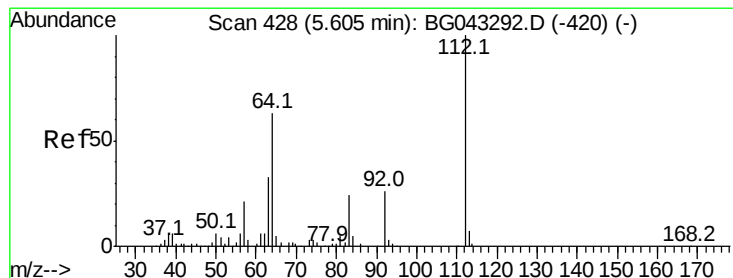
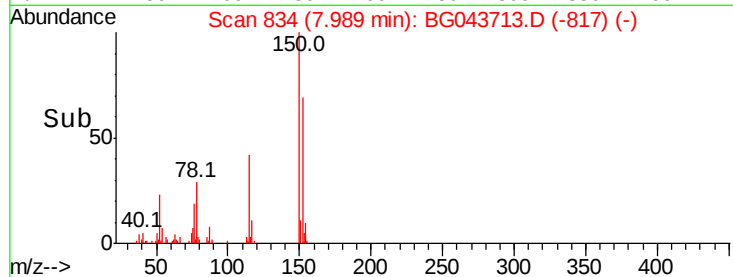
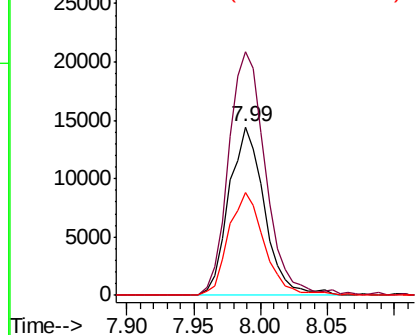
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043713.D
Acq: 20 Nov 2019 2:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26928
Ion Ratio Lower Upper
152 100
150 144.6 116.6 175.0
115 61.0 40.5 60.7#



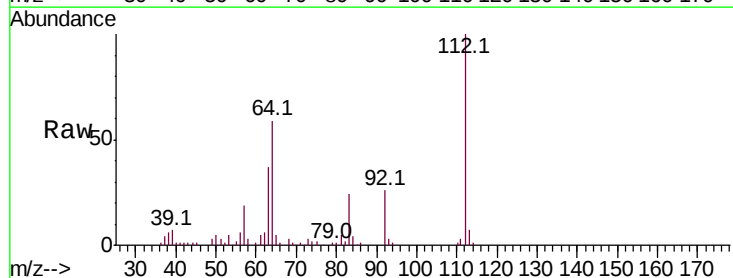
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



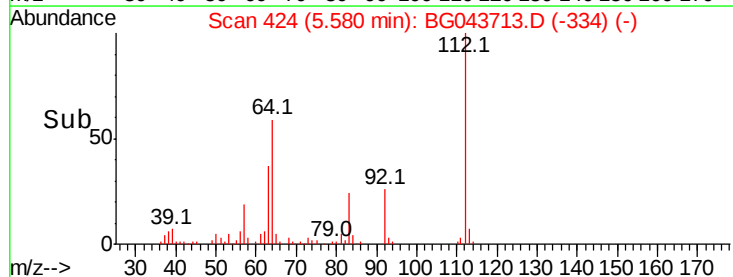
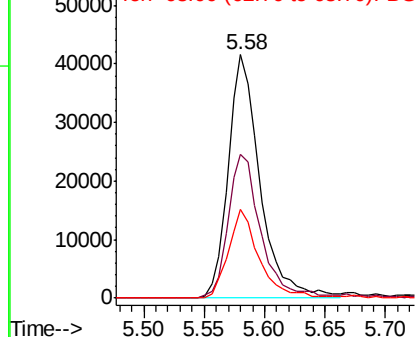
#5

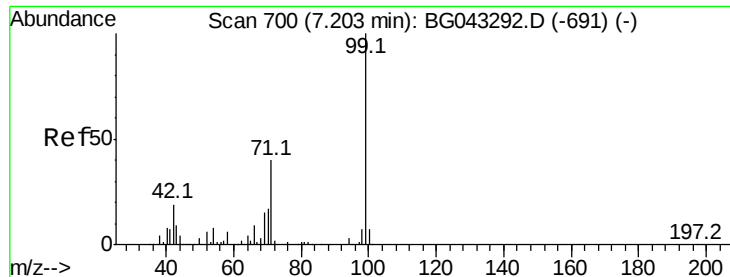
2-Fluorophenol
Concen: 51.749 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043713.D
Acq: 20 Nov 2019 2:04

Tgt Ion:112 Resp: 76046
Ion Ratio Lower Upper
112 100
64 58.9 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): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 28.473 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

Instrument :

BNA_G

ClientSampleId :

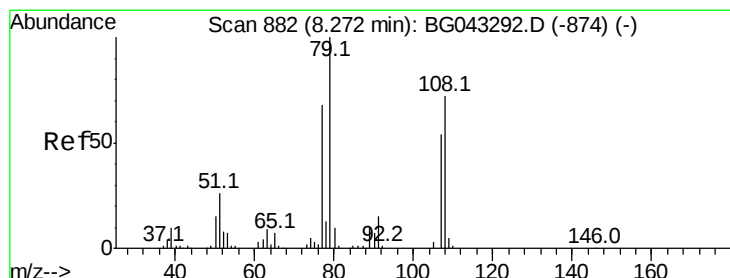
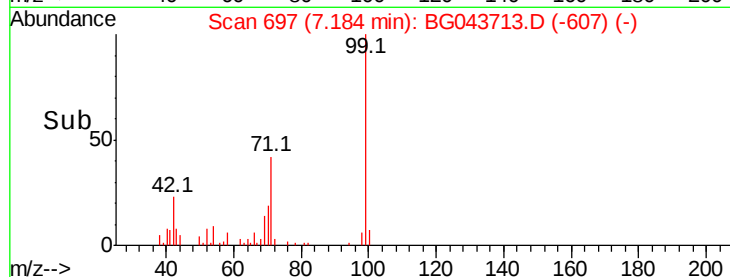
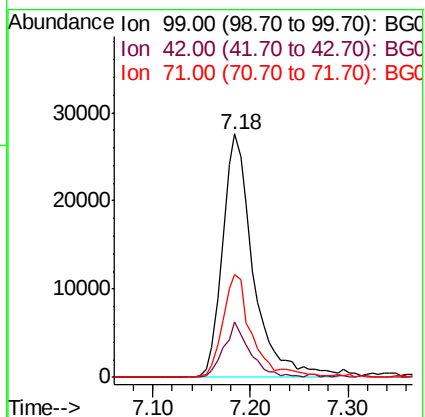
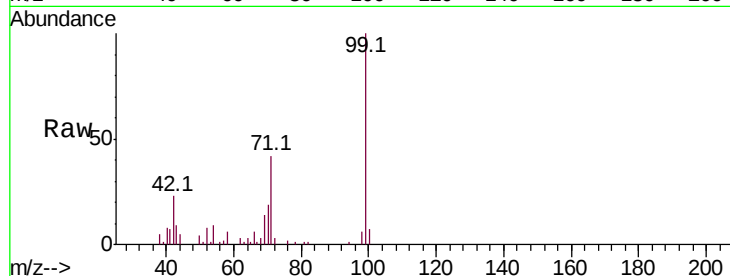
Tot Ion: 99 Resp: 60200

Ion Ratio Lower Upper

99 100

42 22.8 15.8 23.8

71 42.4 34.4 51.6



#15

Benzyl Alcohol

Concen: 2.358 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.08 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

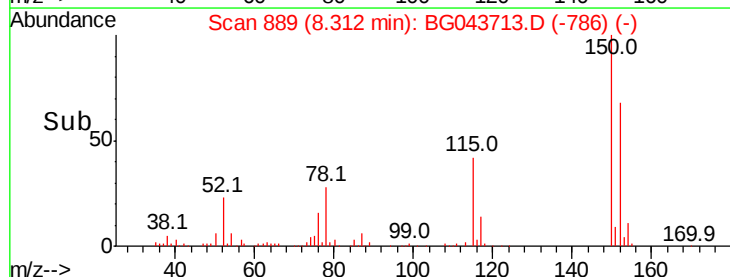
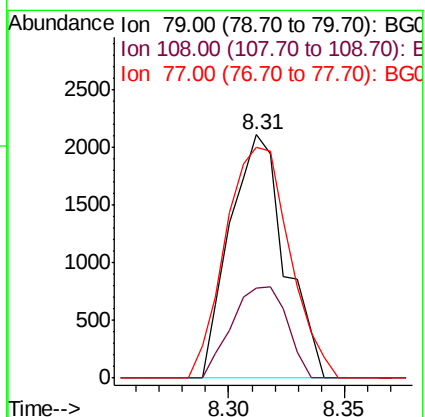
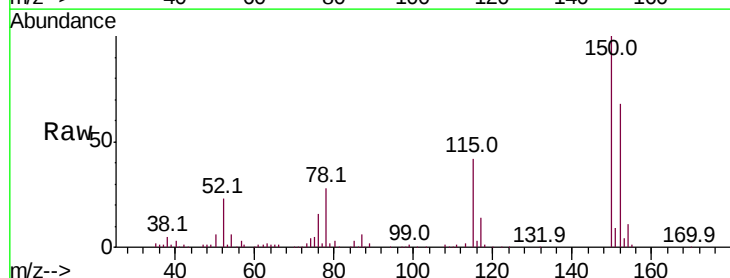
Tgt Ion: 79 Resp: 3502

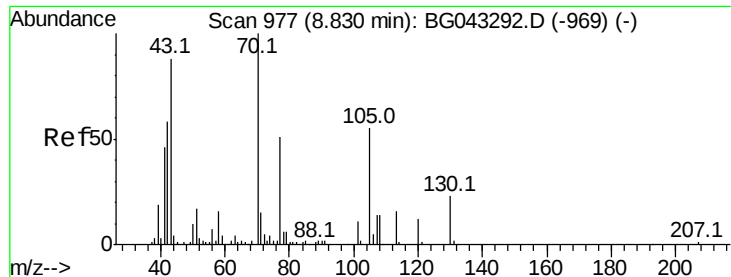
Ion Ratio Lower Upper

79 100

108 37.2 56.0 84.0#

77 94.7 47.9 71.9#

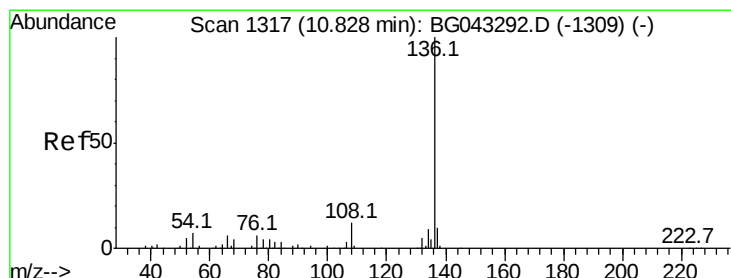
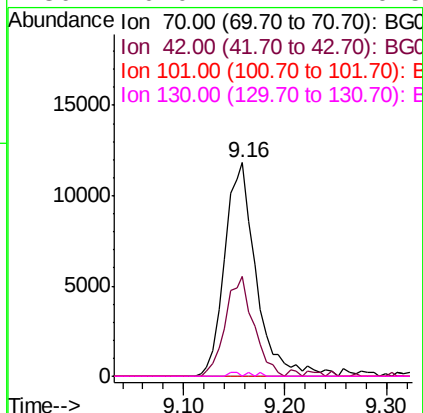
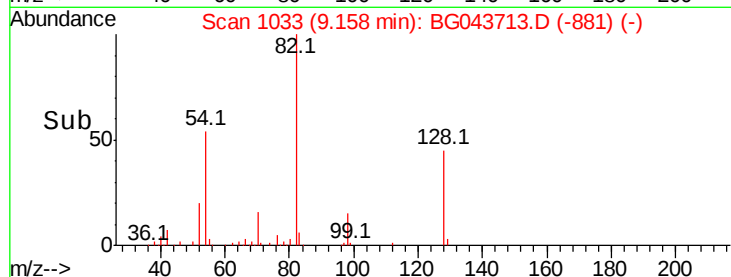
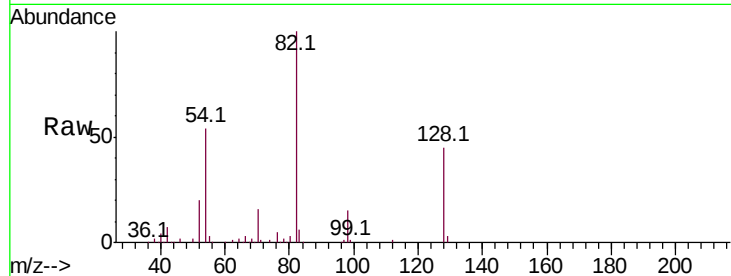




#19
n-Nitroso-di-n-propylamine
Concen: 18.602 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.36 min
Lab File: BG043713.D
Acq: 20 Nov 2019 2:04

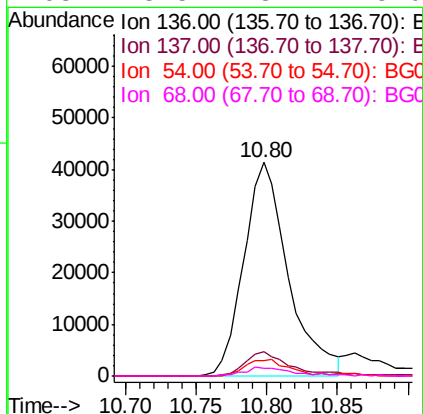
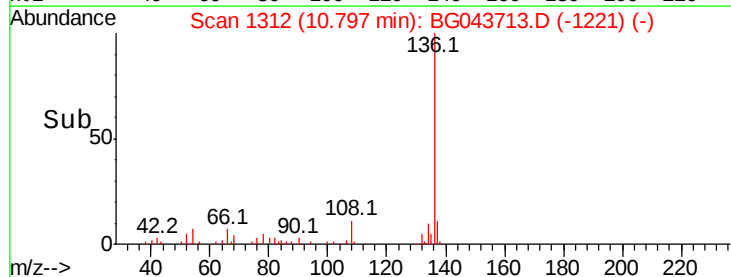
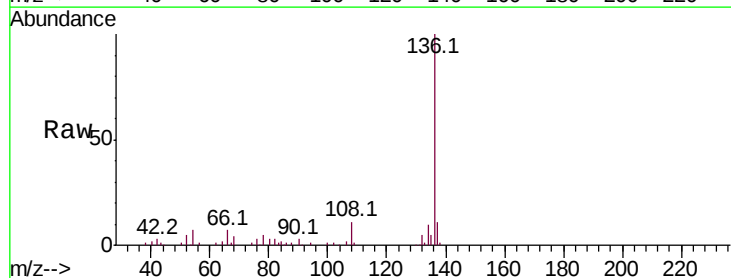
Instrument :
BNA_G
ClientSampleId :

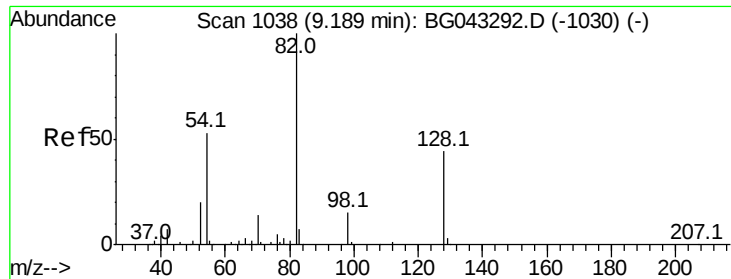
Tot Ion: 70 Resp: 25414
Ion Ratio Lower Upper
70 100
42 46.9 49.7 74.5#
101 0.0 9.7 14.5#
130 0.0 17.7 26.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043713.D
Acq: 20 Nov 2019 2:04

Tgt Ion: 136 Resp: 91527
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.1 6.2 9.2
68 3.5 3.4 5.0

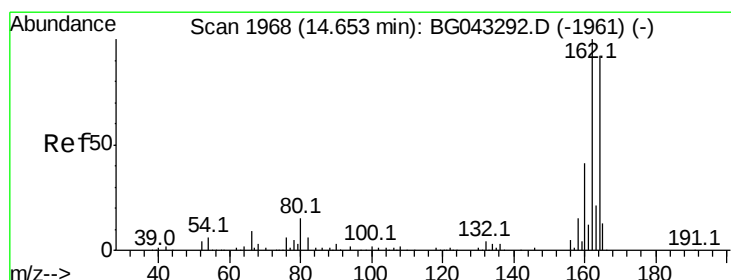
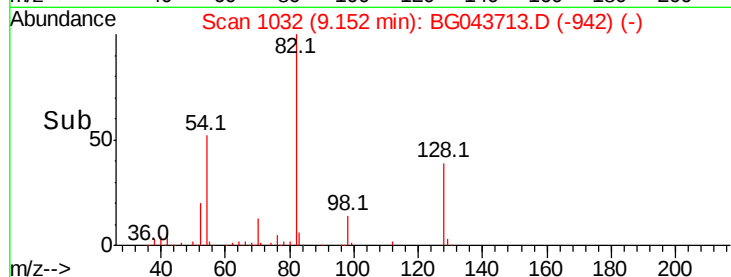
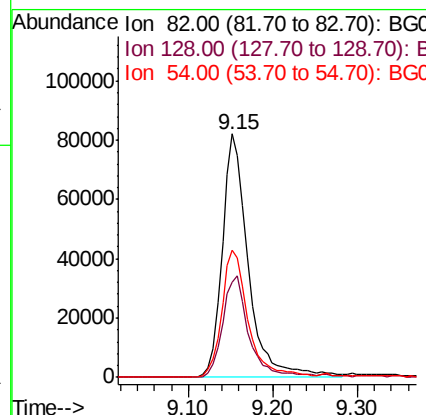
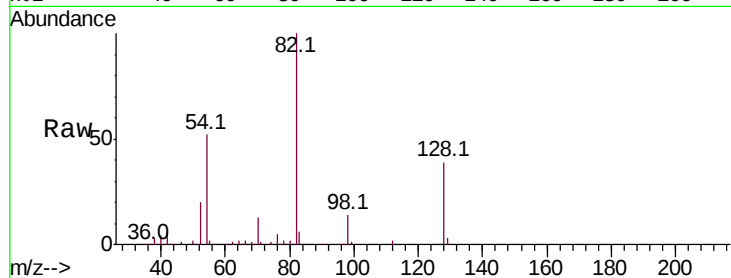




#23
Nitrobenzene-d5
Concen: 99.155 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043713.D
Acq: 20 Nov 2019 2:04

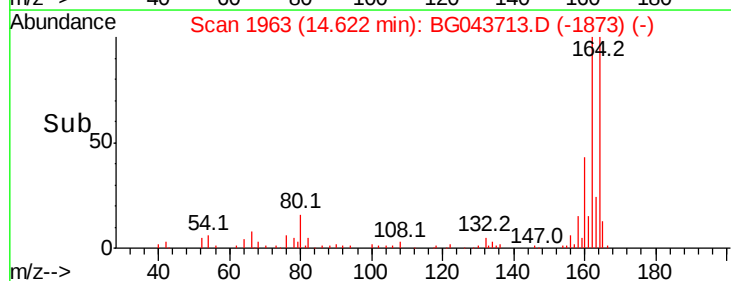
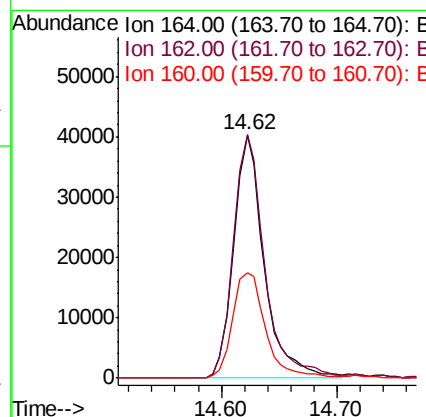
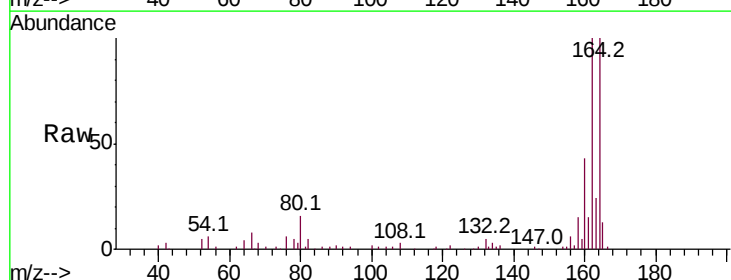
Instrument :
BNA_G
ClientSampled :

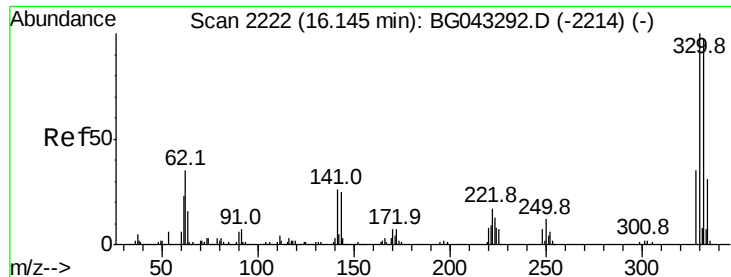
Tot Ion	82	Resp	176035
Ion	Ratio	Lower	Upper
82	100		
128	38.9	34.2	51.4
54	52.3	44.7	67.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG043713.D
Acq: 20 Nov 2019 2:04

Tgt Ion	164	Resp	73863
Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.4	119.2
160	43.2	36.3	54.5

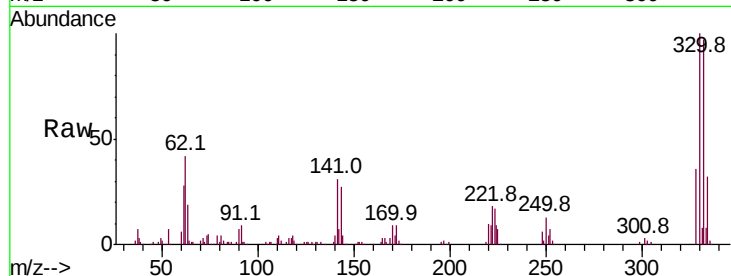




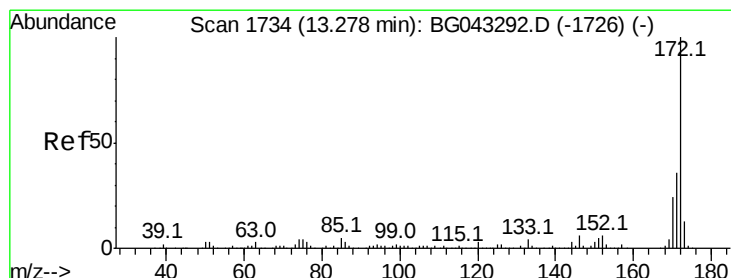
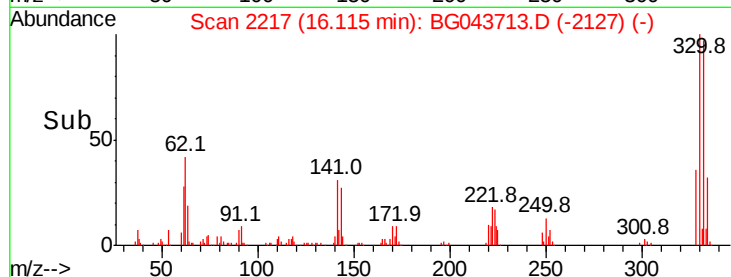
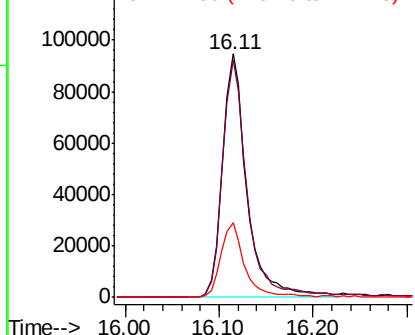
#42
 2,4,6-Tribromophenol
 Concen: 122.823 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG043713.D
 Acq: 20 Nov 2019 2:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.9	76.6	115.0
141	29.9	23.4	35.2

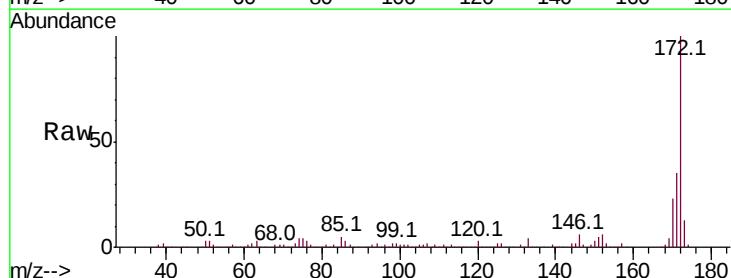


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

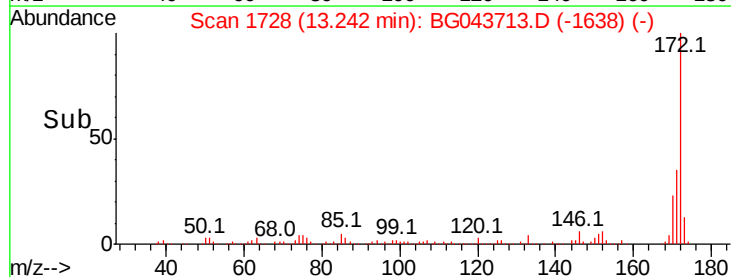
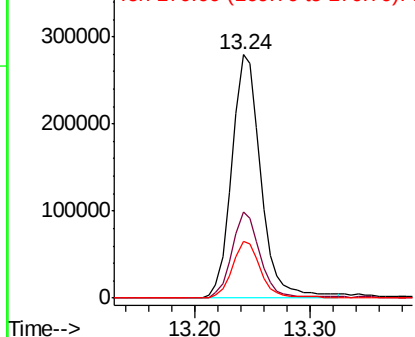


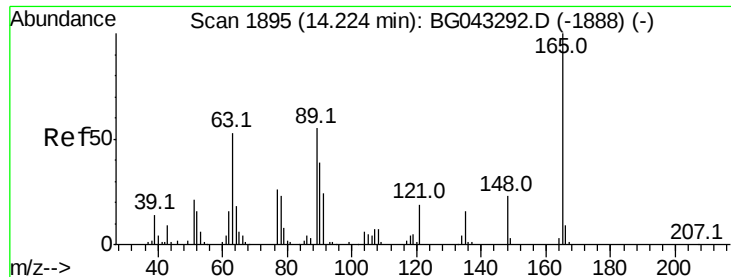
#45
 2-Fluorobiphenyl
 Concen: 91.586 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043713.D
 Acq: 20 Nov 2019 2:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.4	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

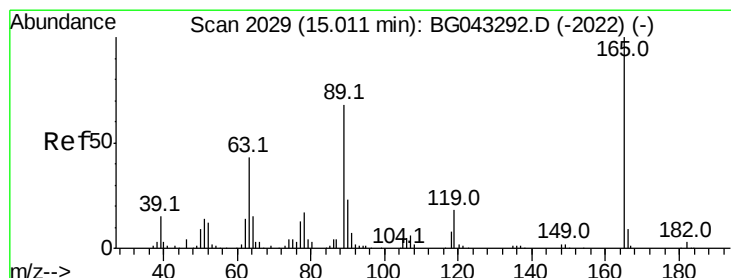
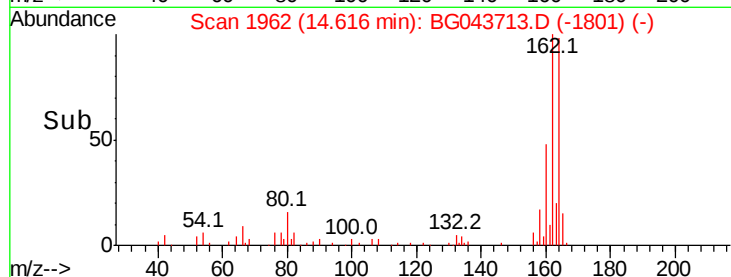
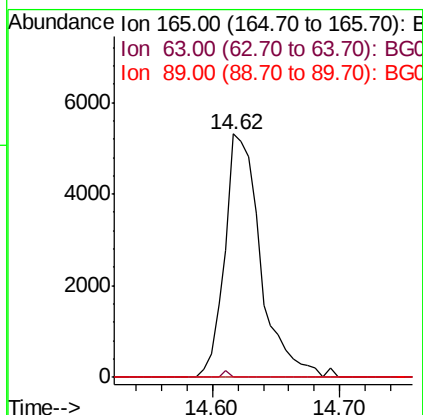
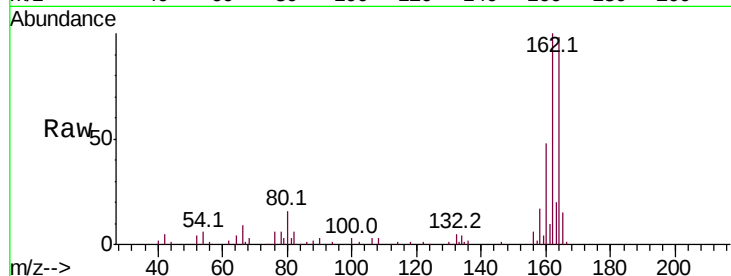




#51
 2,6-Dinitrotoluene
 Concen: 8.365 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. 0.42 min
 Lab File: BG043713.D
 Acq: 20 Nov 2019 2:04

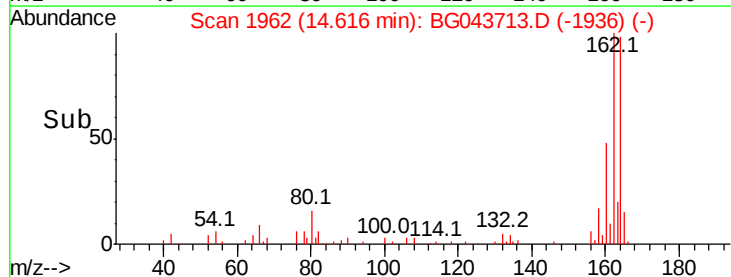
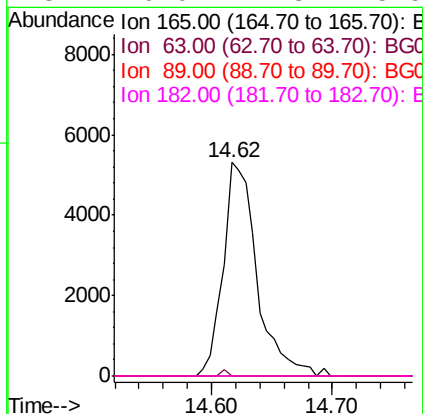
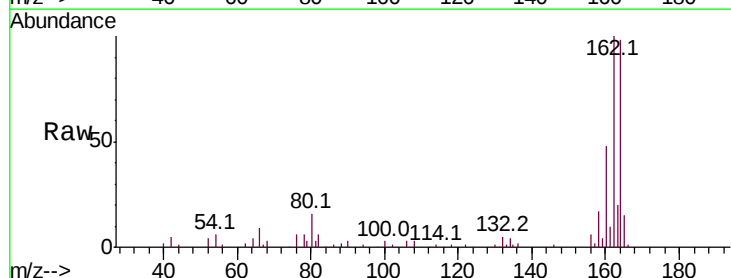
Instrument :
 BNA_G
 ClientSampleId :

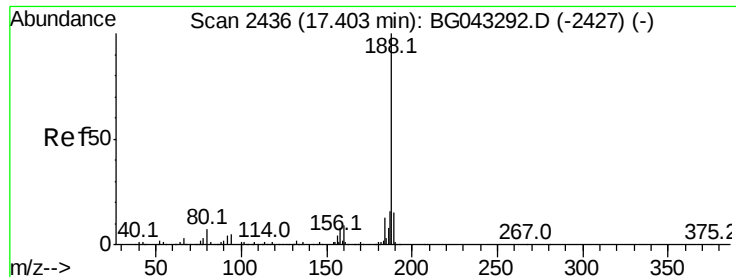
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	39.8	59.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.853 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.38 min
 Lab File: BG043713.D
 Acq: 20 Nov 2019 2:04

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

Instrument :

BNA_G

ClientSampleId :

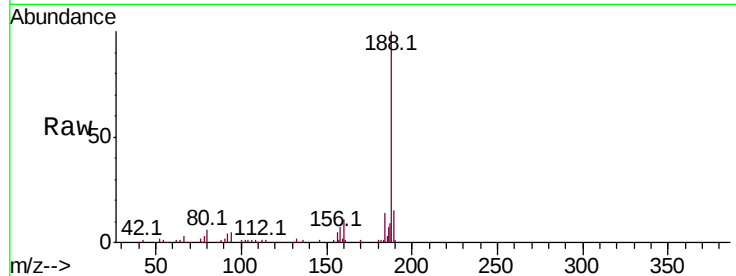
Tot Ion:188 Resp: 190092

Ion Ratio Lower Upper

188 100

94 4.7 4.6 7.0

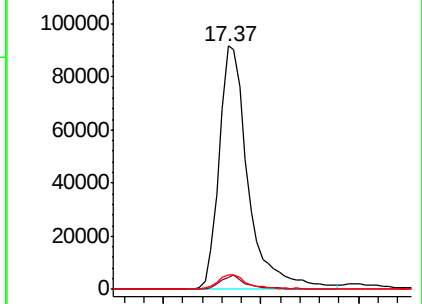
80 6.2 5.2 7.8



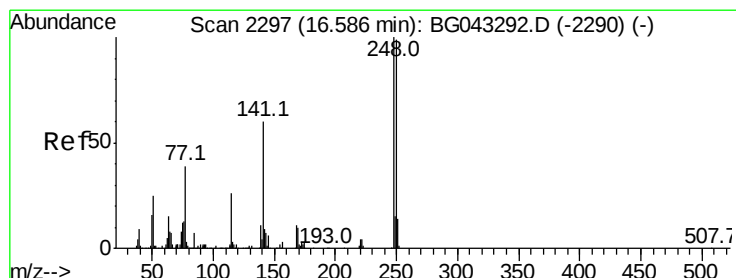
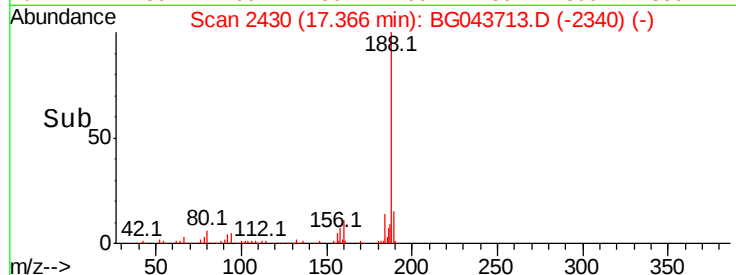
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.331 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

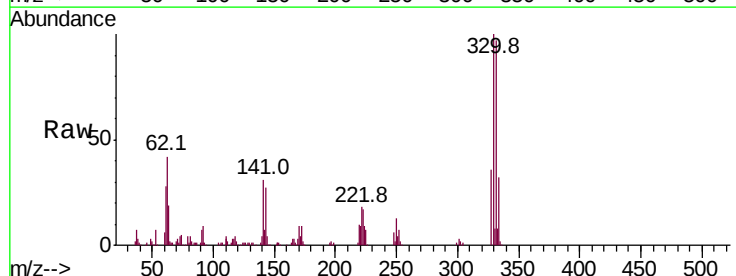
Tgt Ion:248 Resp: 11080

Ion Ratio Lower Upper

248 100

250 207.2 76.3 114.5#

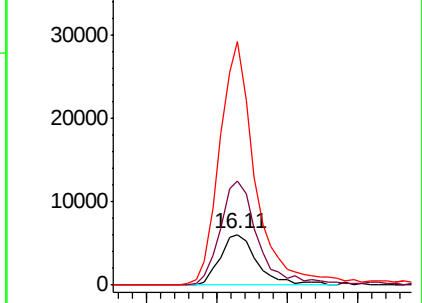
141 482.2 49.5 74.3#



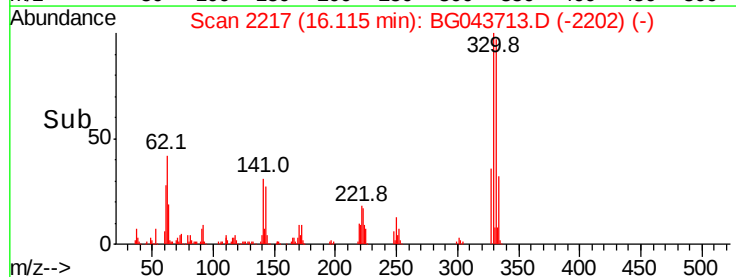
Abundance Ion 248.00 (247.70 to 248.70): E

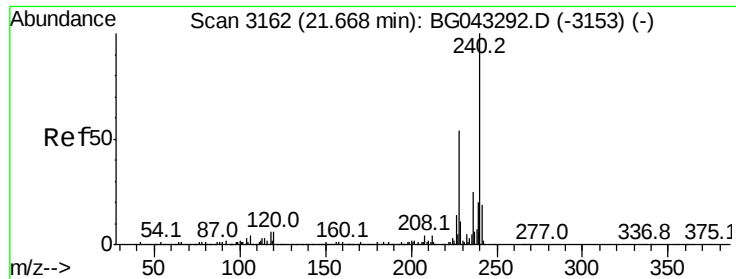
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

Instrument :

BNA_G

ClientSampled :

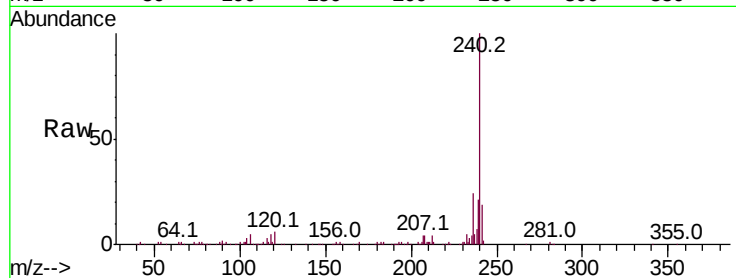
Tot Ion:240 Resp: 208838

Ion Ratio Lower Upper

240 100

120 5.7 4.9 7.3

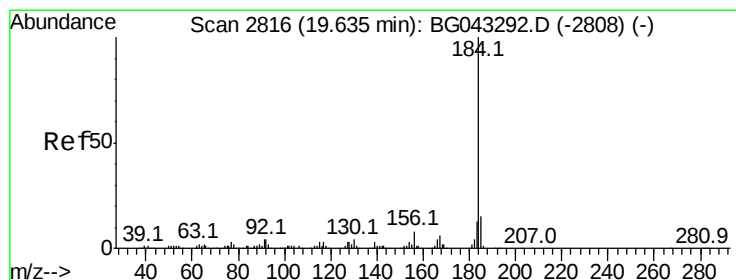
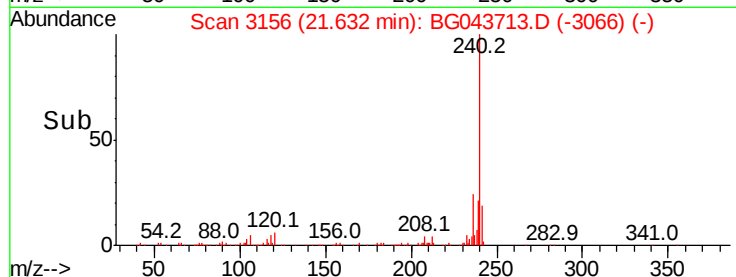
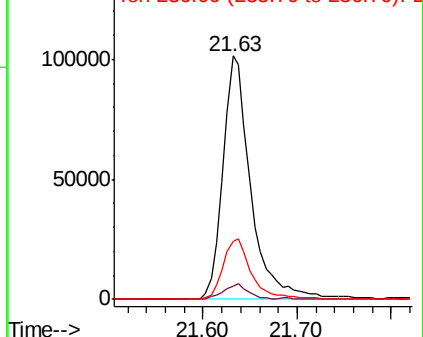
236 24.0 21.4 32.0



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: 4.202 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

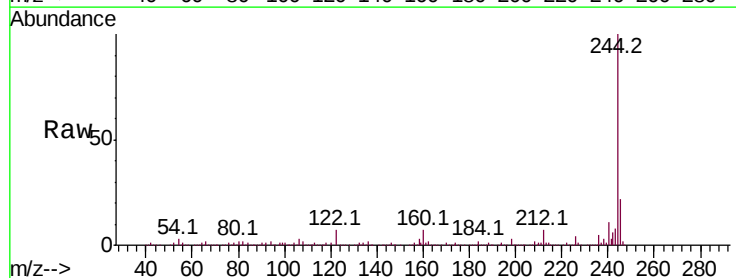
Tgt Ion:184 Resp: 17662

Ion Ratio Lower Upper

184 100

185 17.9 12.7 19.1

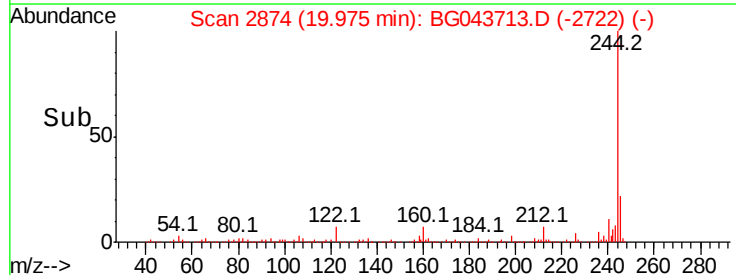
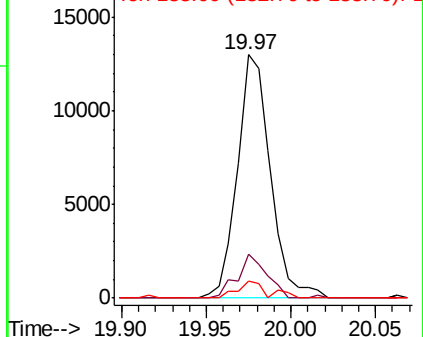
183 7.0 8.8 13.2#

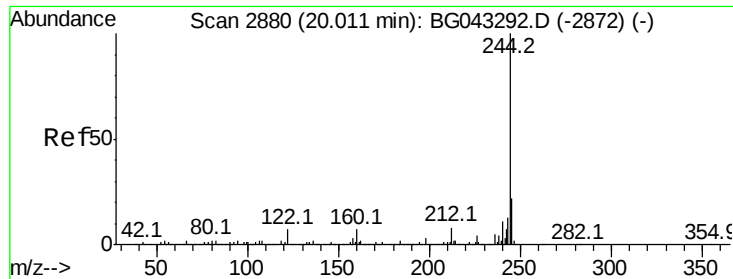


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 102.020 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

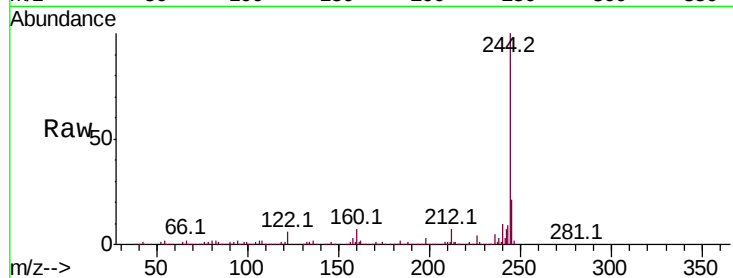
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1135659

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.4	5.2	7.8

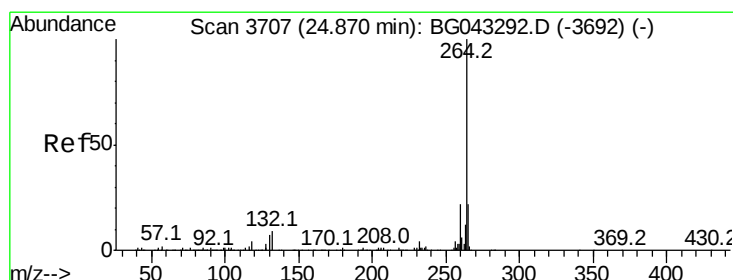
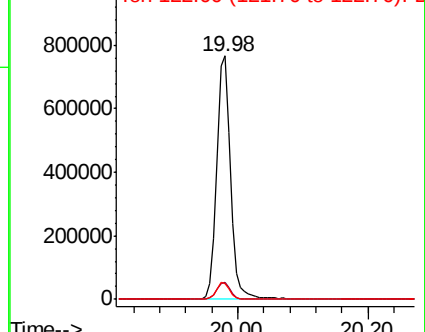
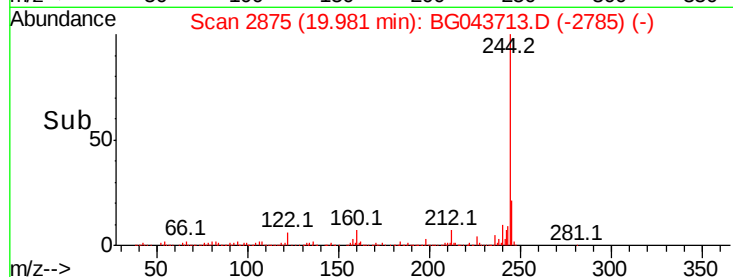


Abundance

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: 24.81 min Scan# 3697

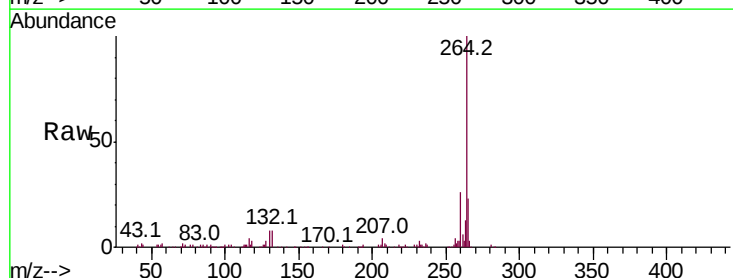
Delta R.T. -0.00 min

Lab File: BG043713.D

Acq: 20 Nov 2019 2:04

Tgt Ion:264 Resp: 241257

Ion	Ratio	Lower	Upper
264	100		
260	26.1	18.4	27.6
265	22.6	15.8	23.8



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

