

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110619\
 Data File : BG043522.D
 Acq On : 6 Nov 2019 16:18
 Operator : JU
 Sample : PB124447BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 17:37:00 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

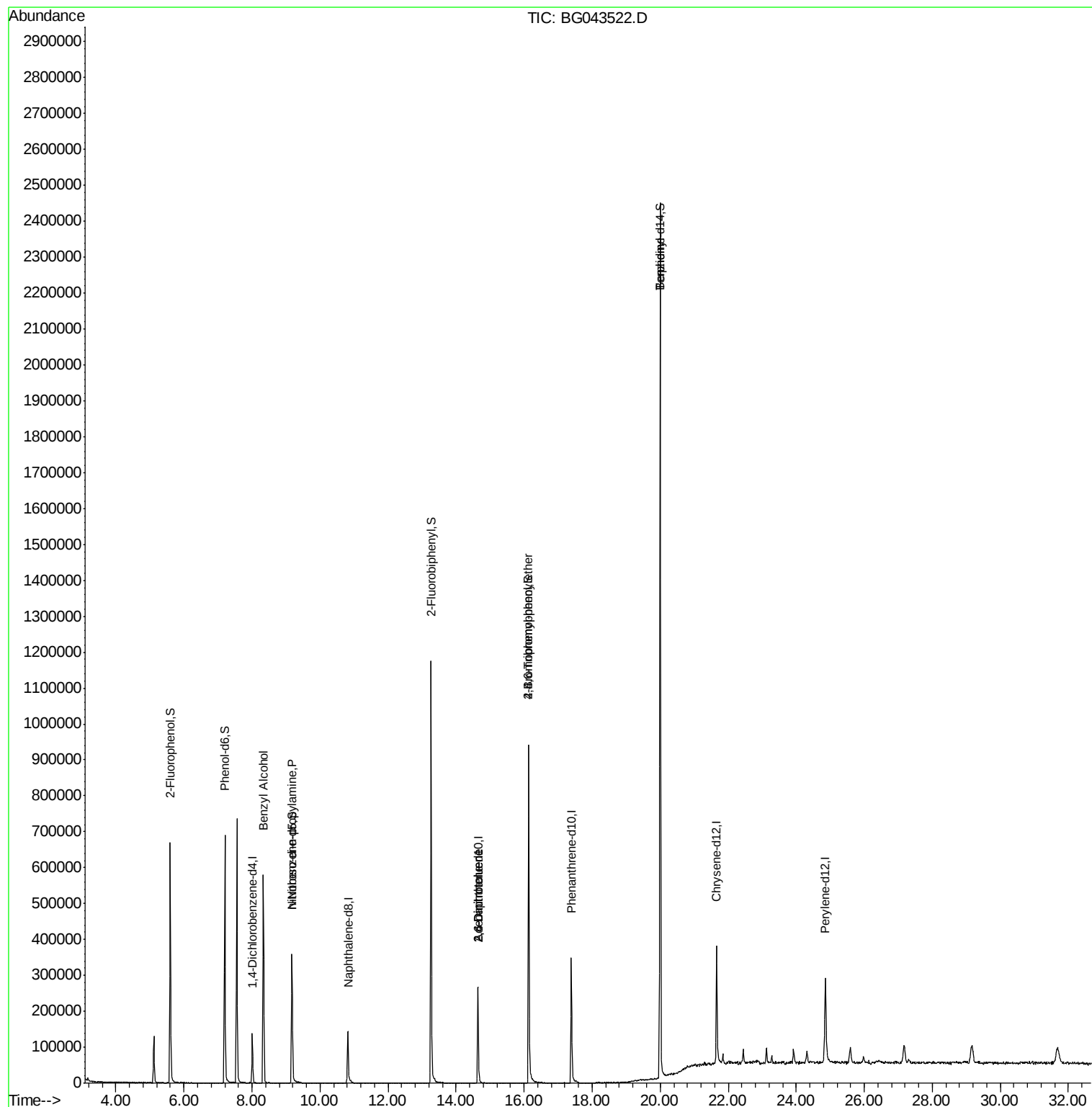
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	43912	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	154298	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	114607	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	274876	20.00	ng	0.00
76) Chrysene-d12	21.66	240	249514	20.00	ng	0.00
87) Perylene-d12	24.86	264	279959	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	325058	135.65	ng	0.00
7) Phenol-d6	7.20	99	438552	127.20	ng	0.00
23) Nitrobenzene-d5	9.17	82	264522	88.38	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	251939	115.52	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	711768	85.82	ng	0.00
79) Terphenyl-d14	20.00	244	1379615	103.73	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.33	79	5040	2.081	ng	# 59
19) n-Nitroso-di-n-propylamine	9.17	70	36365	16.323	ng	# 78
51) 2,6-Dinitrotoluene	14.64	165	15151	7.856	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	15151	5.497	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	16132	4.361	ng	# 1
77) Benzidine	20.00	184	20213	4.025	ng	97

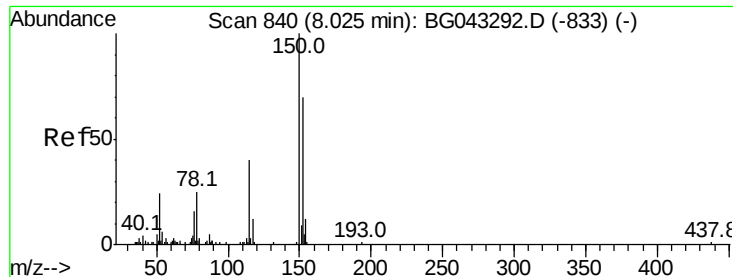
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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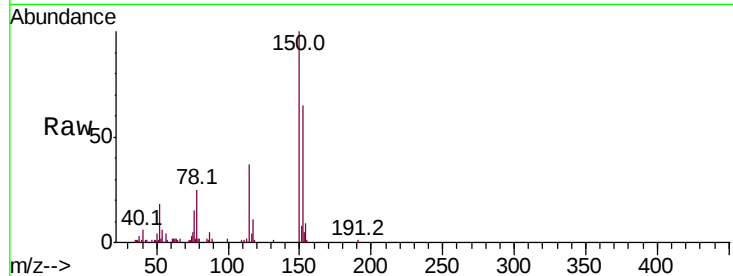


#1

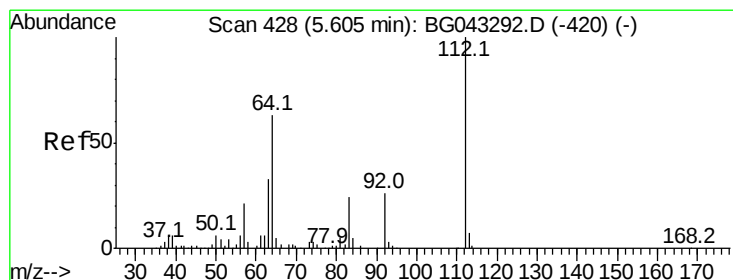
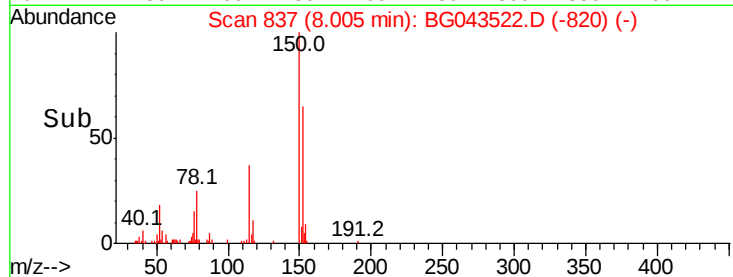
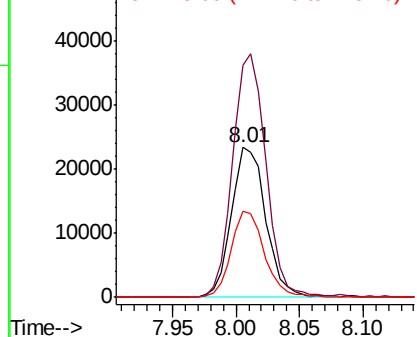
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 43912
Ion Ratio Lower Upper
152 100
150 154.7 129.4 194.0
115 57.6 48.8 73.2



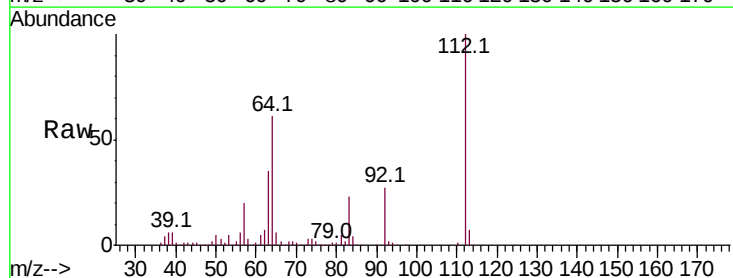
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



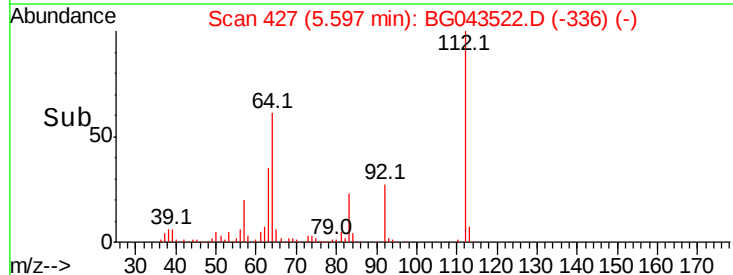
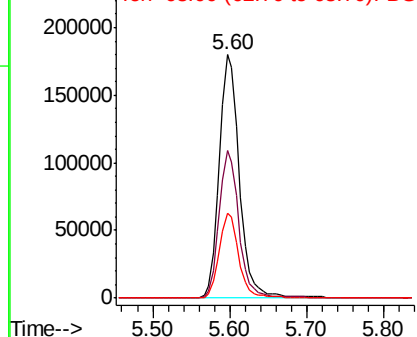
#5

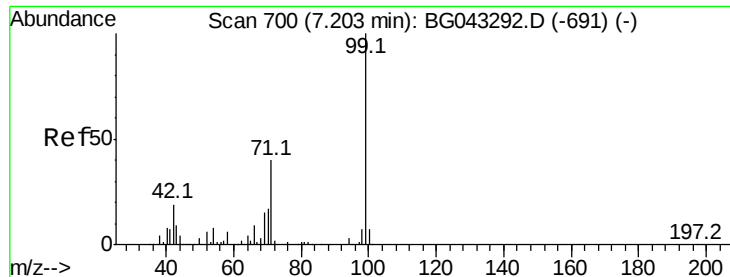
2-Fluorophenol
Concen: 135.647 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

Tgt Ion:112 Resp: 325058
Ion Ratio Lower Upper
112 100
64 60.6 50.0 75.0
63 34.7 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 127.198 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043522.D

Acq: 6 Nov 2019 16:18

Instrument :

BNA_G

ClientSampleId :

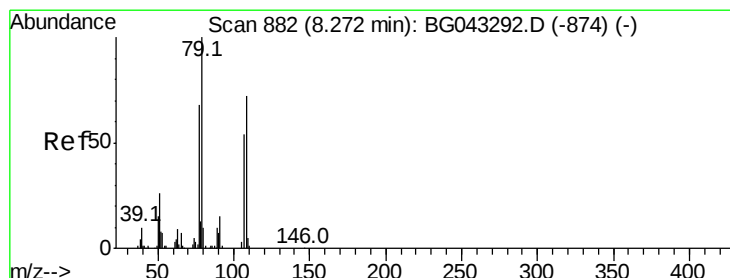
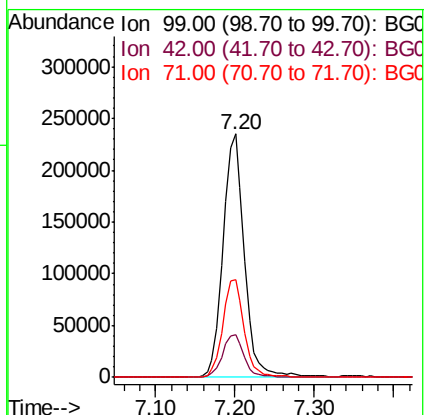
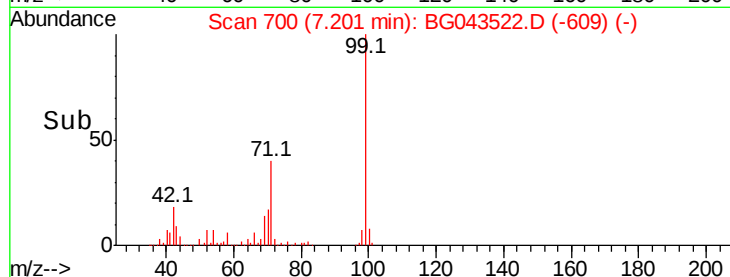
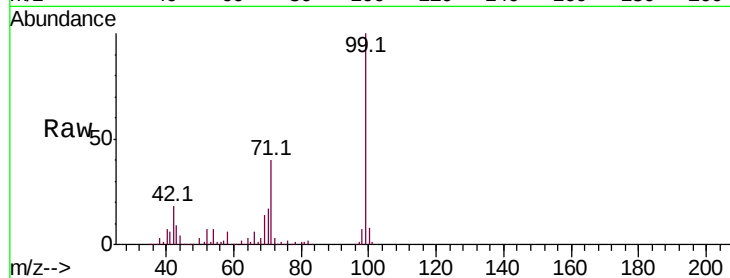
Tot Ion: 99 Resp: 438552

Ion Ratio Lower Upper

99 100

42 17.5 14.6 21.8

71 40.3 32.5 48.7



#15

Benzyl Alcohol

Concen: 2.081 ng

RT: 8.33 min Scan# 893

Delta R.T. 0.08 min

Lab File: BG043522.D

Acq: 6 Nov 2019 16:18

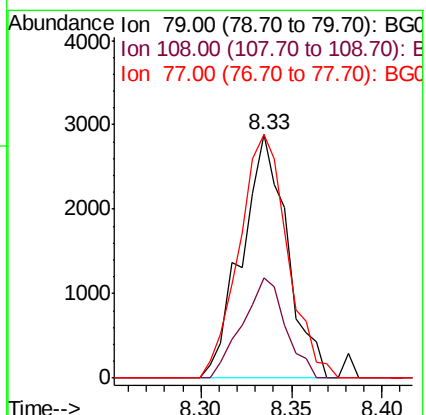
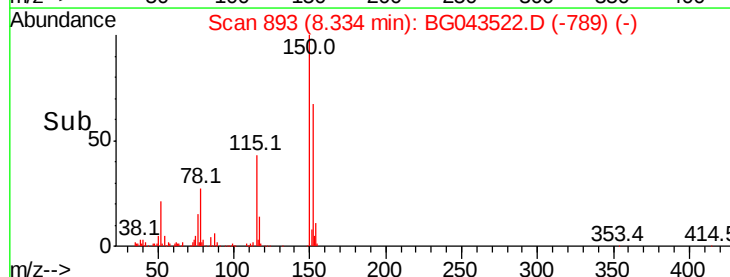
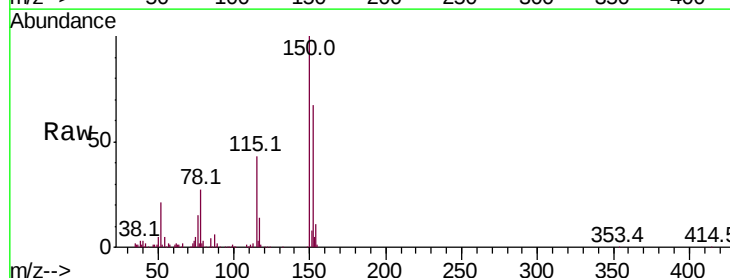
Tgt Ion: 79 Resp: 5040

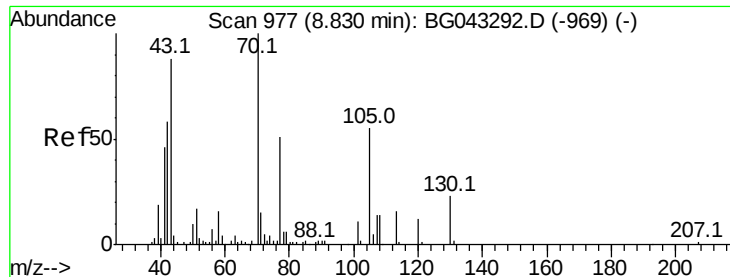
Ion Ratio Lower Upper

79 100

108 41.2 53.6 80.4#

77 100.2 49.6 74.4#

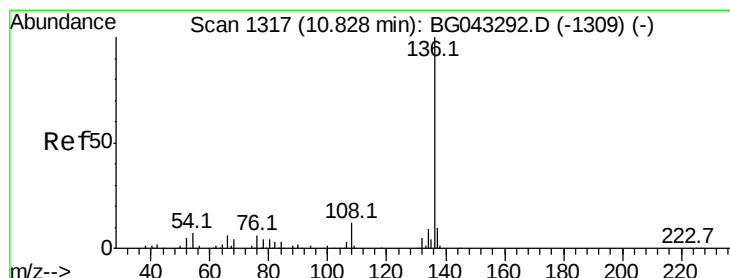
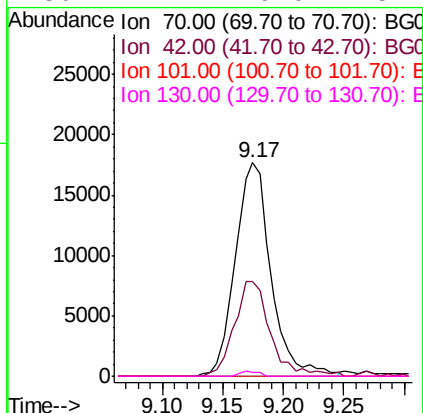
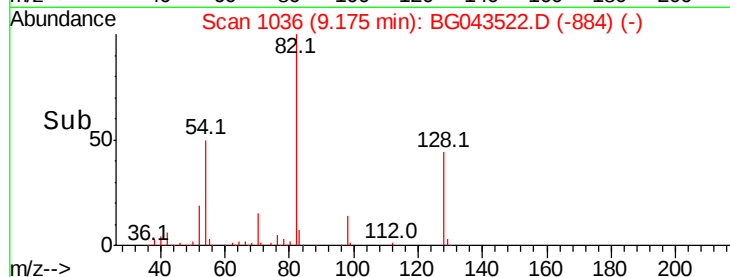
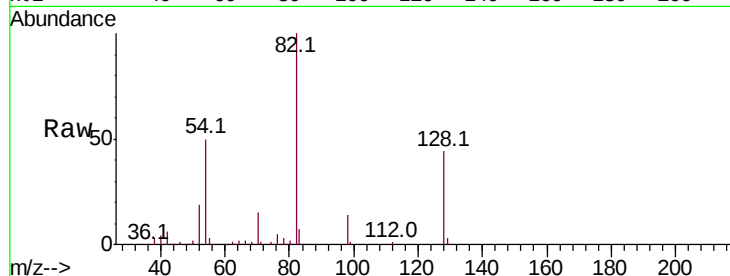




#19
n-Nitroso-di-n-propylamine
Concen: 16.323 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

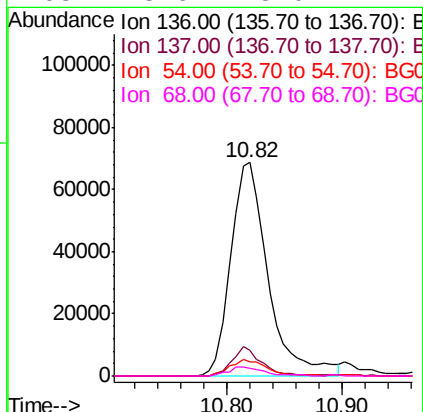
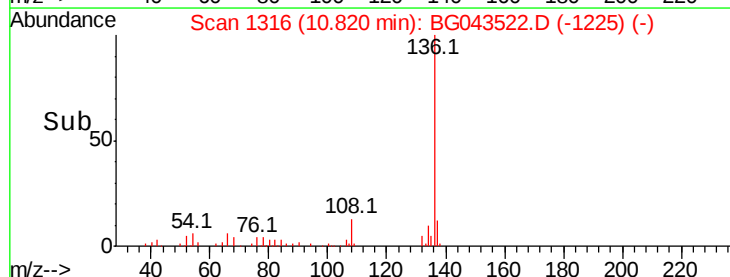
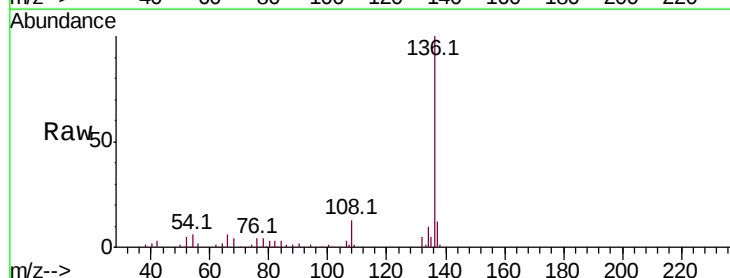
Instrument :
BNA_G
ClientSampleId :

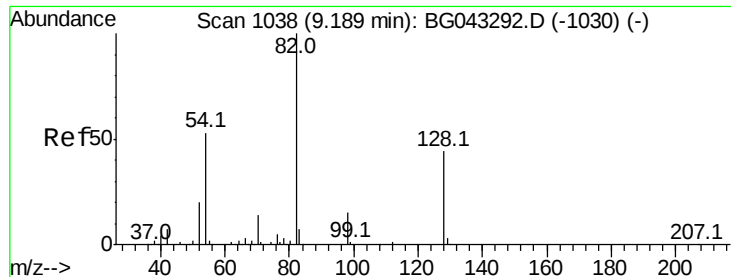
Tot Ion: 70 Resp: 36365
Ion Ratio Lower Upper
70 100
42 44.5 41.4 62.2
101 0.0 7.9 11.9#
130 1.7 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

Tgt Ion:136 Resp: 154298
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 6.4 5.4 8.2
68 3.6 3.0 4.4

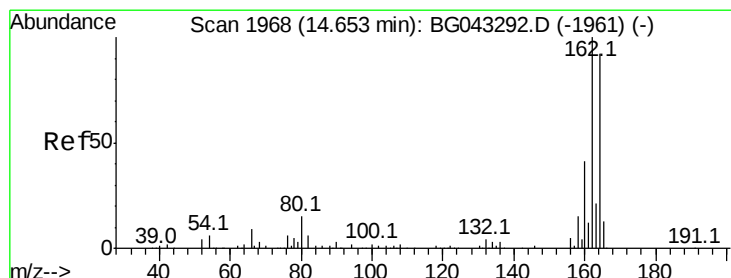
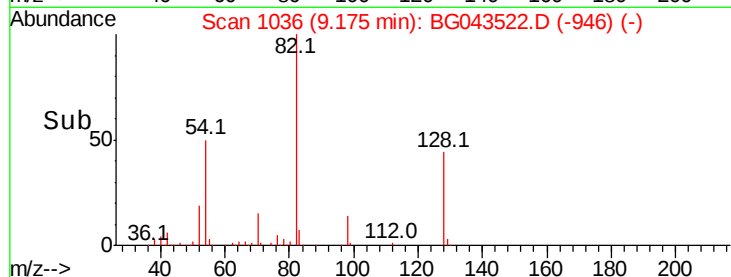
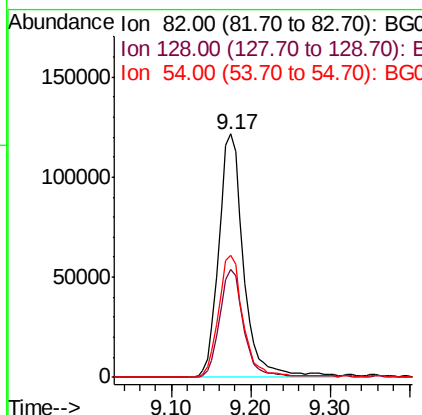
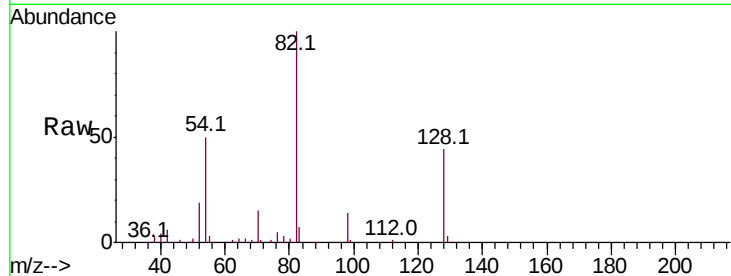




#23
Nitrobenzene-d5
Concen: 88.383 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

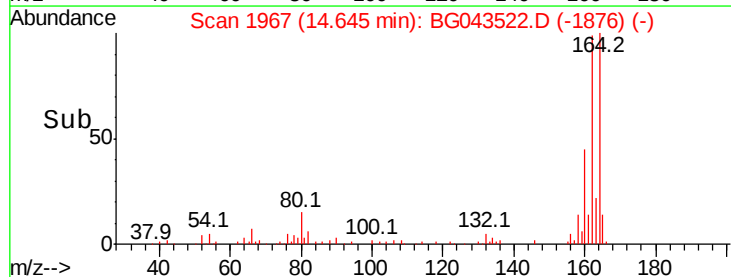
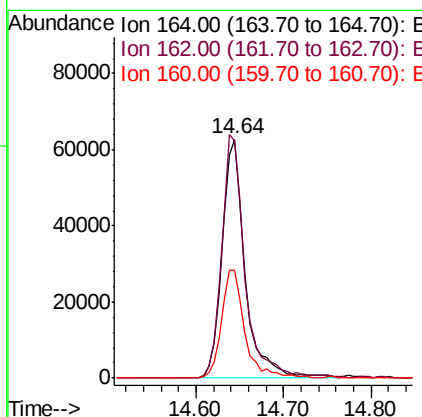
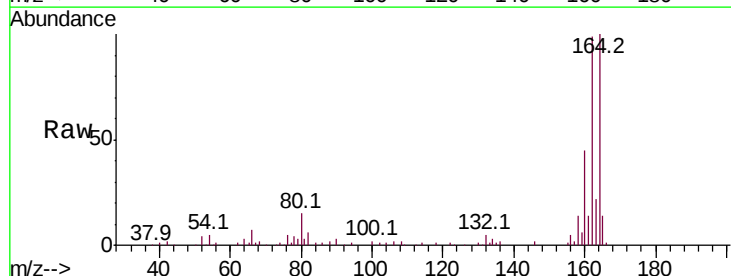
Instrument :
BNA_G
ClientSampleId :

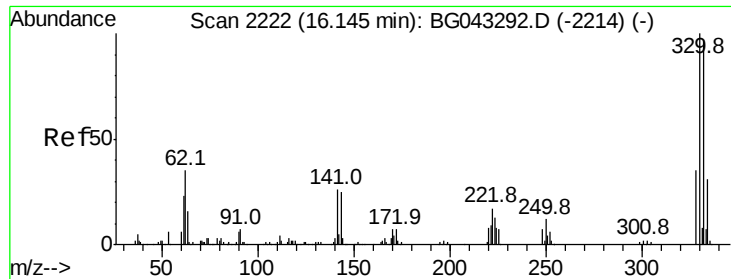
Tot Ion	82	Resp	264522
Ion Ratio	Lower	Upper	
82	100		
128	44.2	35.0	52.6
54	50.3	40.2	60.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

Tgt Ion	164	Resp	114607
Ion Ratio	Lower	Upper	
164	100		
162	99.4	83.5	125.3
160	45.4	36.5	54.7

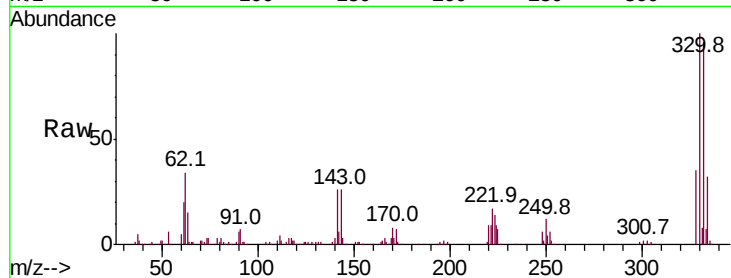




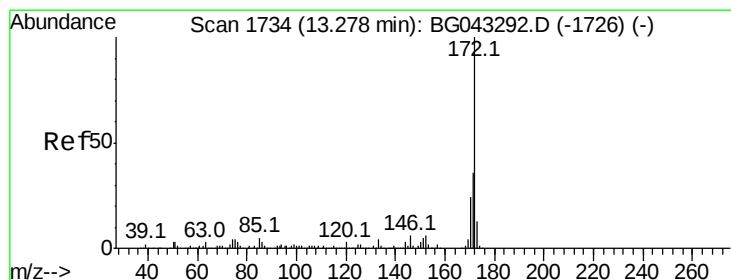
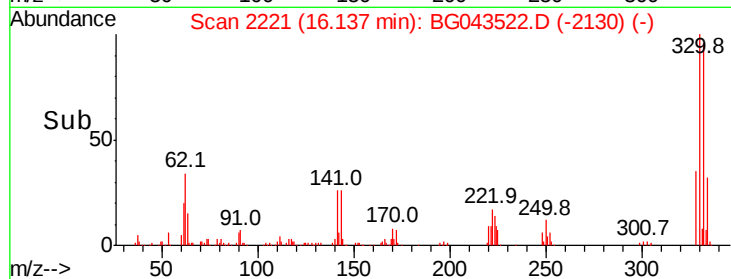
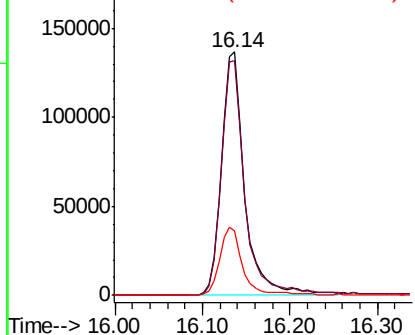
#42
 2,4,6-Tribromophenol
 Concen: 115.517 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BG043522.D
 Acq: 6 Nov 2019 16:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.0
141	27.5	22.8	34.2

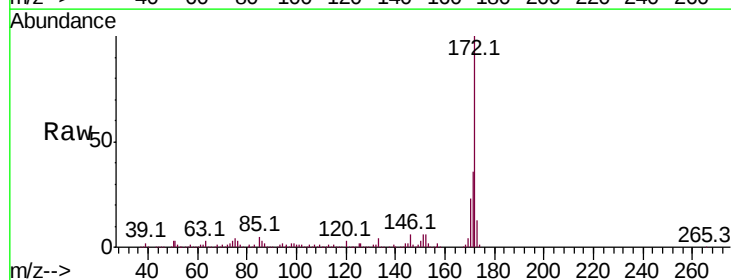


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

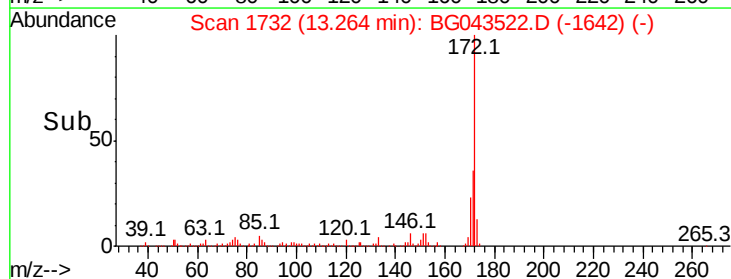
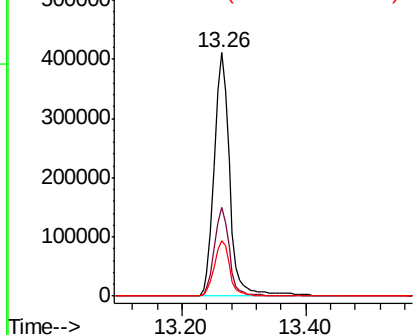


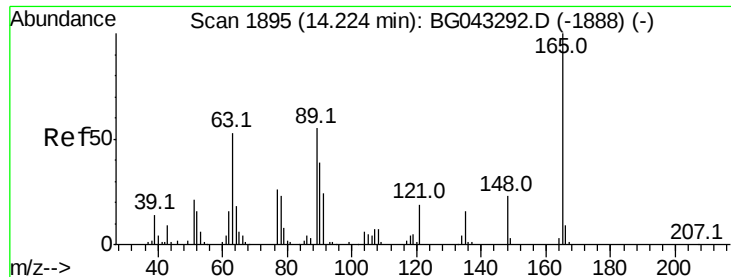
#45
 2-Fluorobiphenyl
 Concen: 85.817 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043522.D
 Acq: 6 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	23.0	18.5	27.7



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

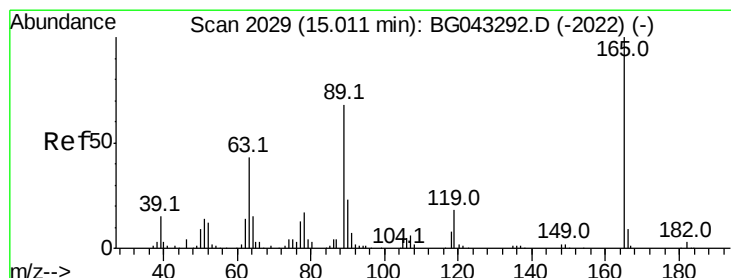
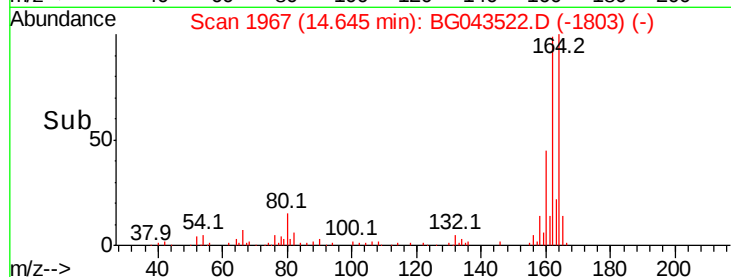
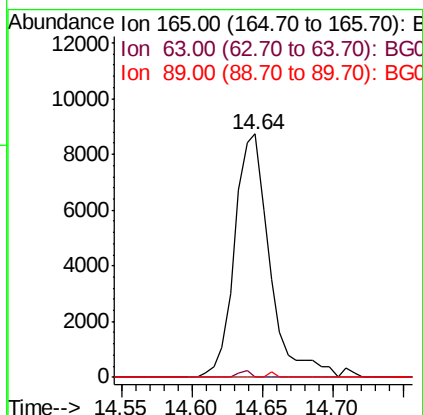
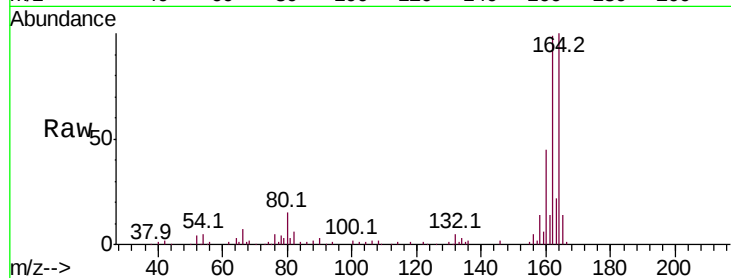




#51
 2,6-Dinitrotoluene
 Concen: 7.856 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.43 min
 Lab File: BG043522.D
 Acq: 6 Nov 2019 16:18

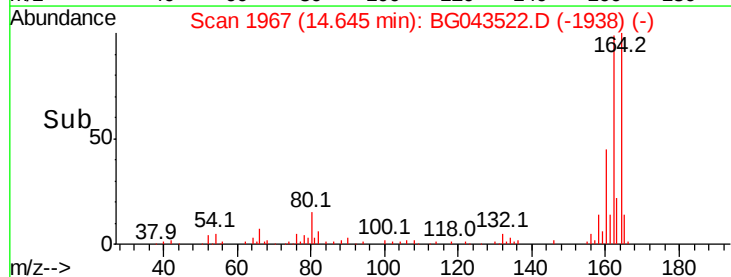
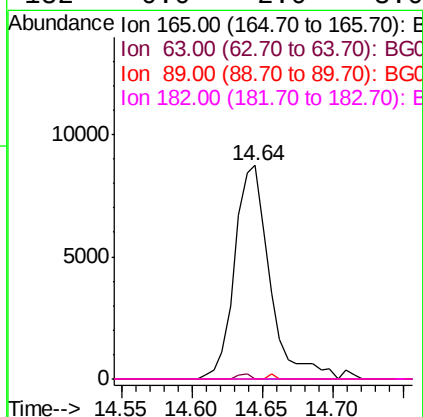
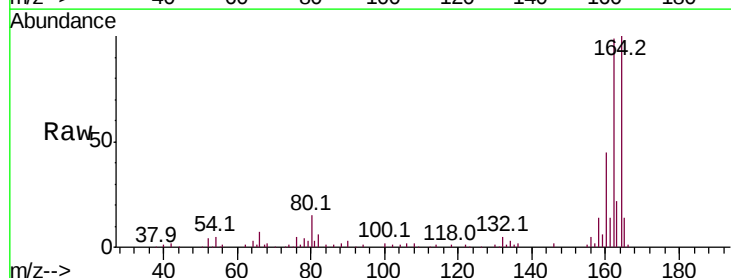
Instrument :
 BNA_G
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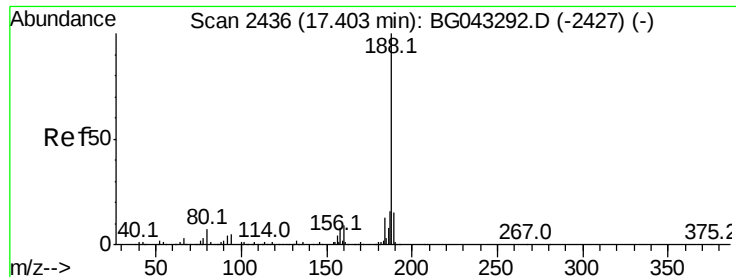
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.6	69.8#
89	0.0	45.1	67.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.497 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043522.D
 Acq: 6 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG043522.D

Acq: 6 Nov 2019 16:18

Instrument :

BNA_G

ClientSampleId :

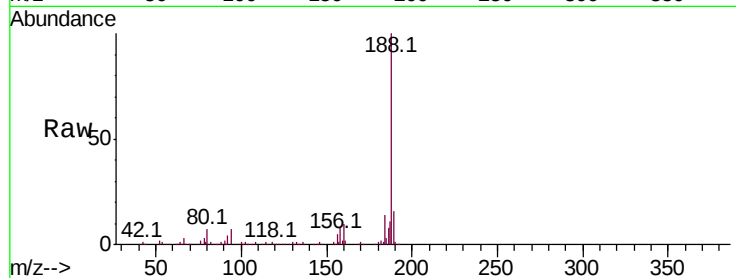
Tot Ion:188 Resp: 274876

Ion Ratio Lower Upper

188 100

94 6.6 4.2 6.4#

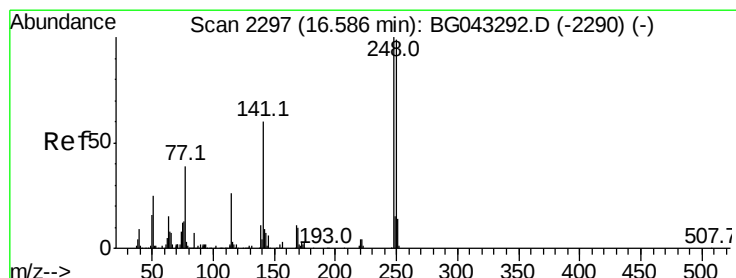
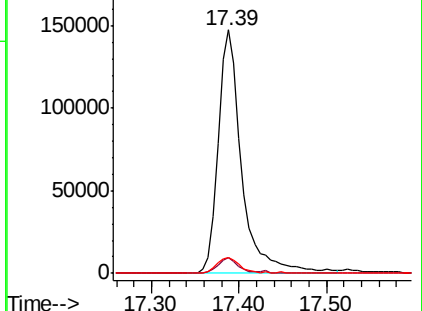
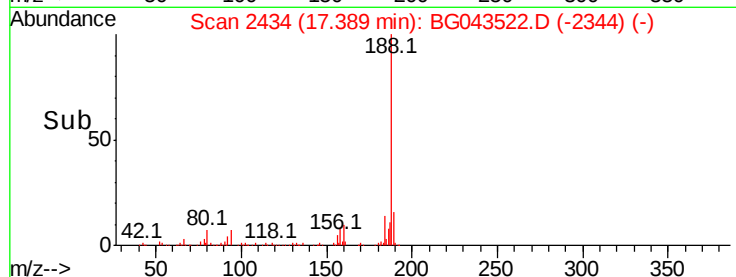
80 6.6 4.5 6.7



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



#67

4-Bromophenyl-phenylether

Concen: 4.361 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.44 min

Lab File: BG043522.D

Acq: 6 Nov 2019 16:18

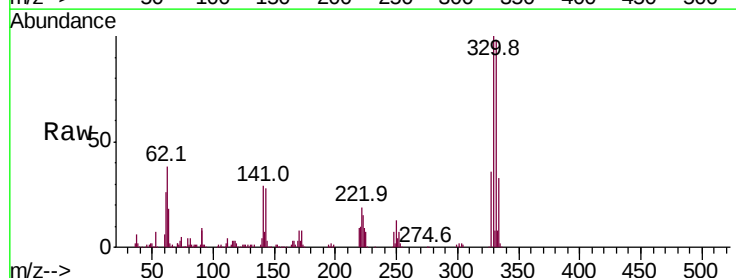
Tgt Ion:248 Resp: 16132

Ion Ratio Lower Upper

248 100

250 191.5 77.0 115.4#

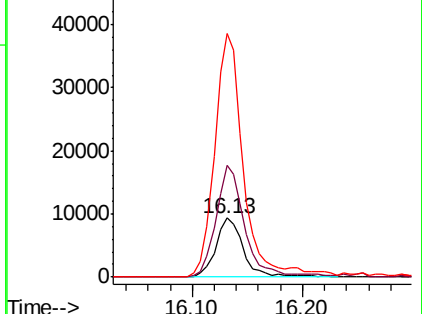
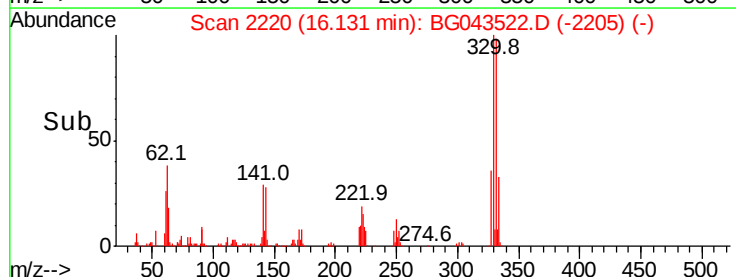
141 415.0 47.5 71.3#

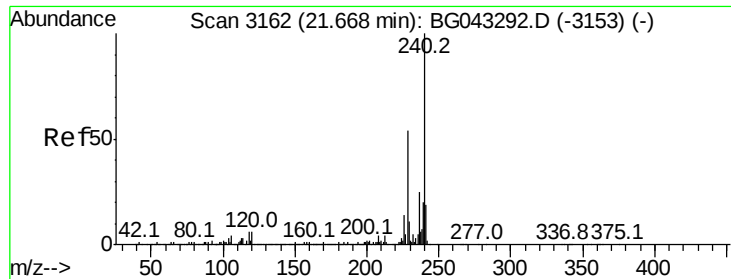


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

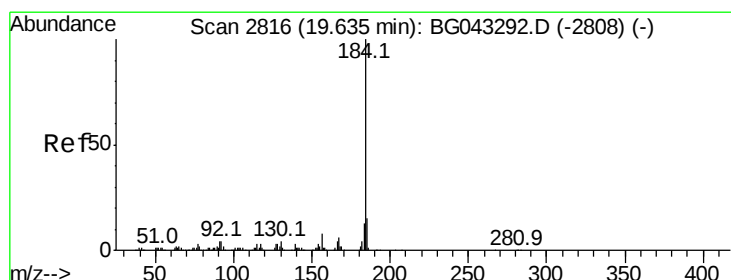
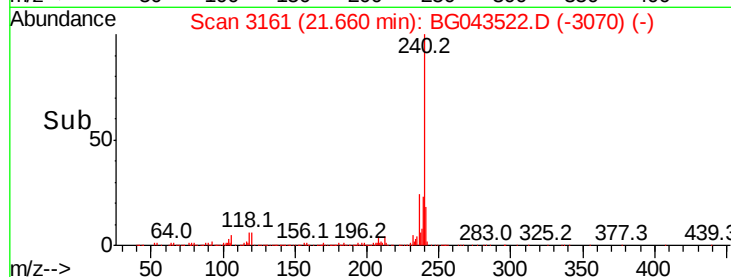
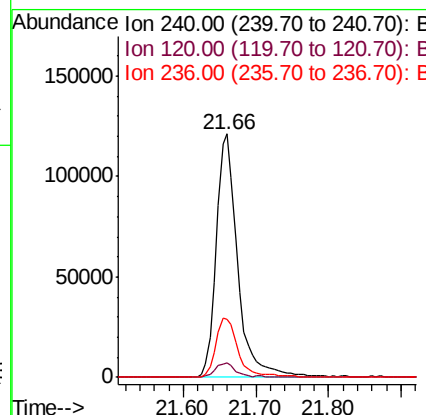
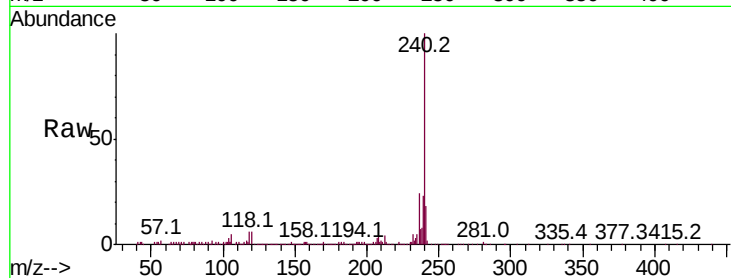




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. 0.00 min
 Lab File: BG043522.D
 Acq: 6 Nov 2019 16:18

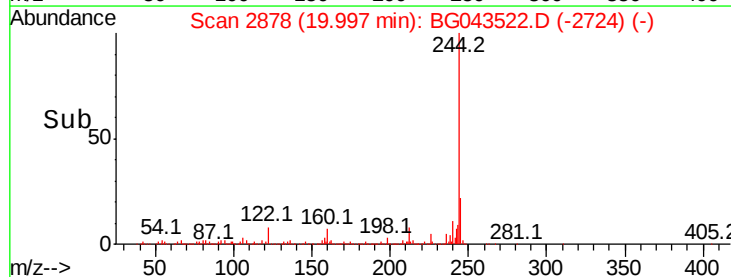
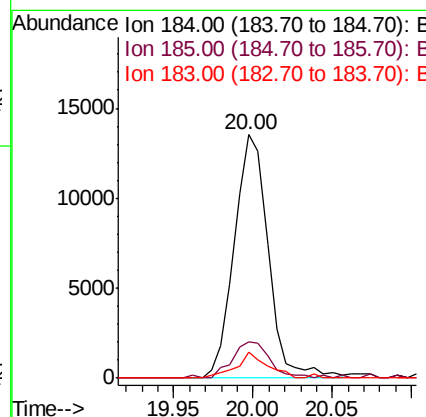
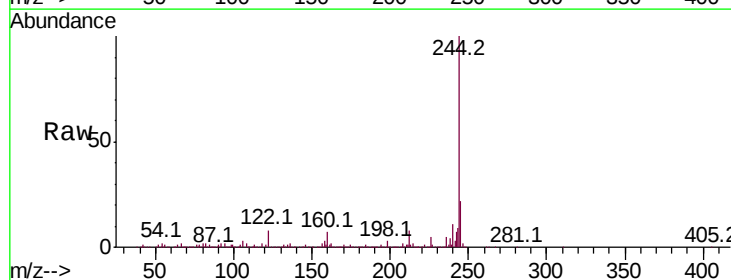
Instrument :
 BNA_G
 ClientSampleId :

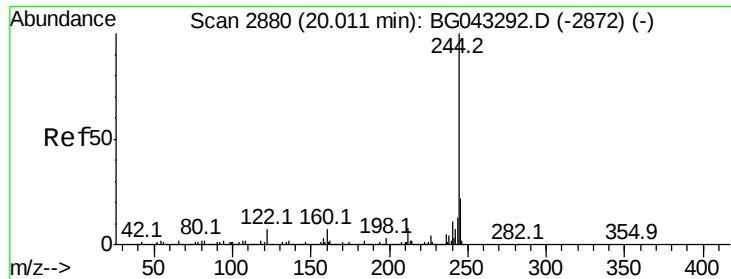
Tot Ion:240 Resp: 249514
 Ion Ratio Lower Upper
 240 100
 120 5.9 4.6 6.8
 236 23.8 19.8 29.8



#77
 Benzidine
 Concen: 4.025 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. 0.37 min
 Lab File: BG043522.D
 Acq: 6 Nov 2019 16:18

Tgt Ion:184 Resp: 20213
 Ion Ratio Lower Upper
 184 100
 185 14.8 11.0 16.4
 183 10.8 10.0 15.0

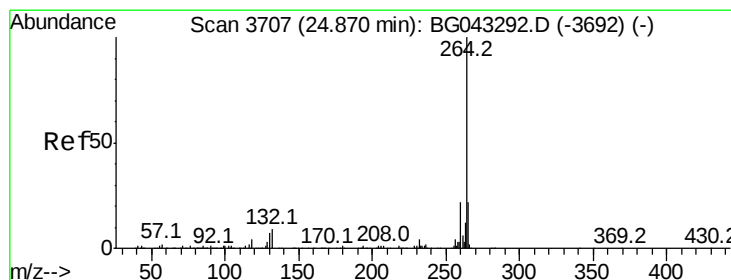
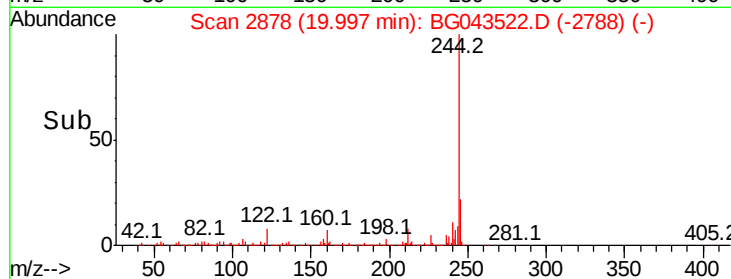
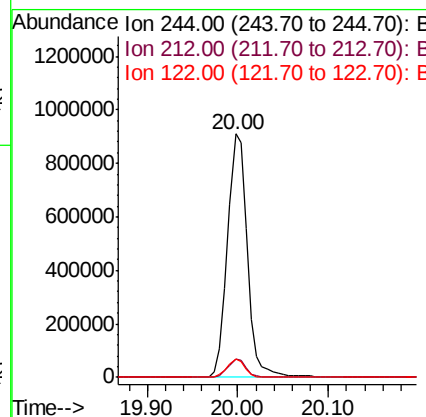
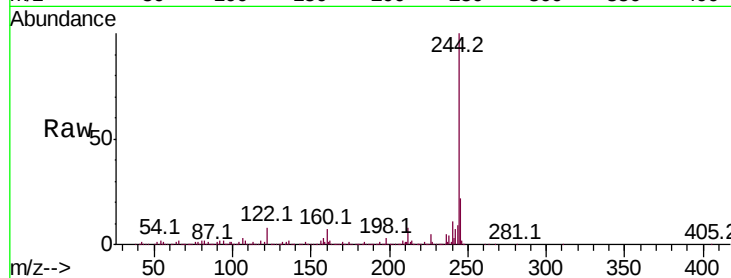




#79
Terphenyl-d14
Concen: 103.731 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:244 Resp: 1379615
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 7.6 5.4 8.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. 0.00 min
Lab File: BG043522.D
Acq: 6 Nov 2019 16:18

Tgt Ion:264 Resp: 279959
Ion Ratio Lower Upper
264 100
260 23.4 17.5 26.3
265 21.3 17.4 26.0

