

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043475.D
 Acq On : 1 Nov 2019 21:10
 Operator : JU
 Sample : K5143-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-103019

Quant Time: Nov 22 05:37:32 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

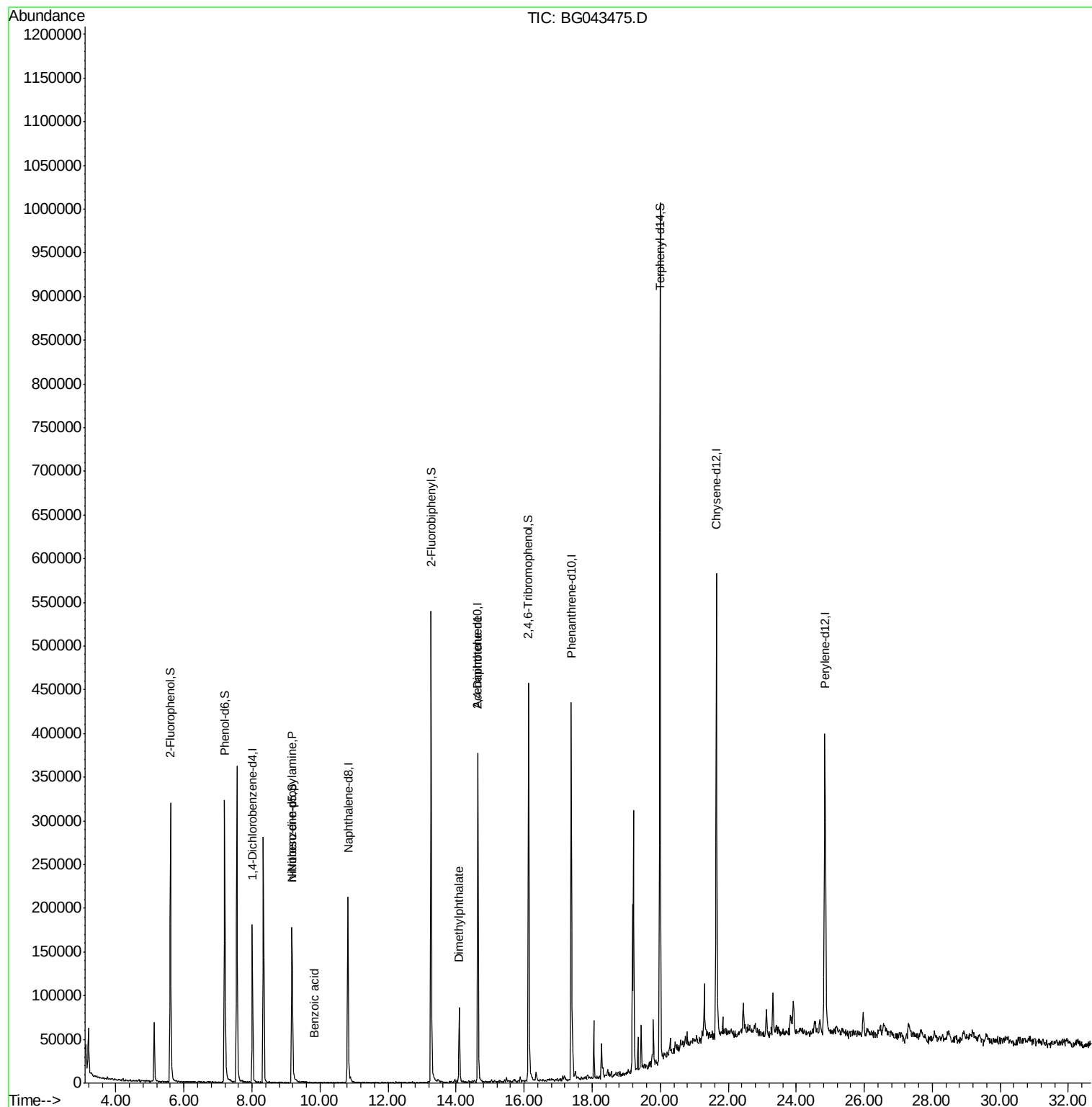
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	56082	20.00	ng	0.03
21) Naphthalene-d8	10.82	136	213428	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	142921	20.00	ng	0.02
64) Phenanthrene-d10	17.38	188	317639	20.00	ng	0.02
76) Chrysene-d12	21.65	240	336495	20.00	ng	0.02
87) Perylene-d12	24.85	264	396770	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	161033	52.62	ng	0.02
7) Phenol-d6	7.20	99	218731	49.67	ng	0.01
23) Nitrobenzene-d5	9.18	82	131560	31.78	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	116114	42.69	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	333287	32.22	ng	0.02
79) Terphenyl-d14	20.00	244	549303	30.63	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	17904	6.292	ng	# 73
32) Benzoic acid	9.83	122	54	9.070	ng	# 1
50) Dimethylphthalate	14.09	163	65371	5.905	ng	99
57) 2,4-Dinitrotoluene	14.65	165	20142	5.860	ng	# 27

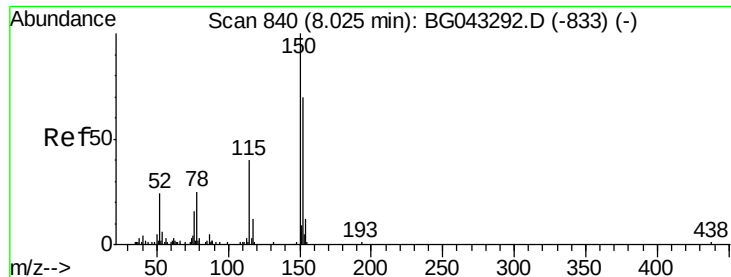
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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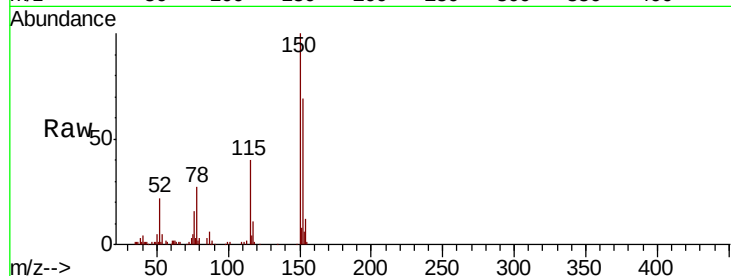


#1

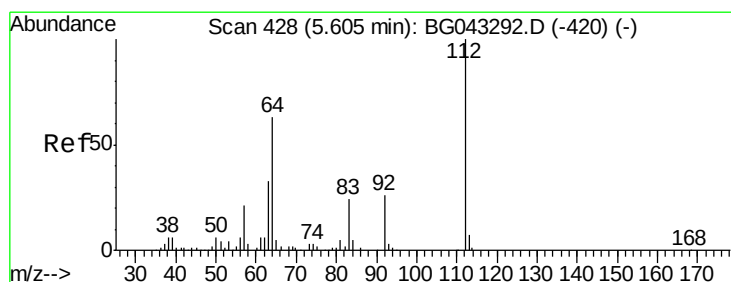
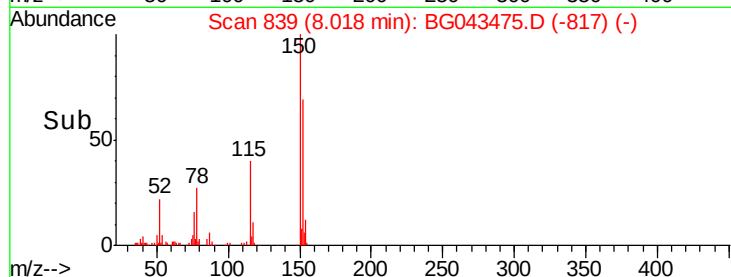
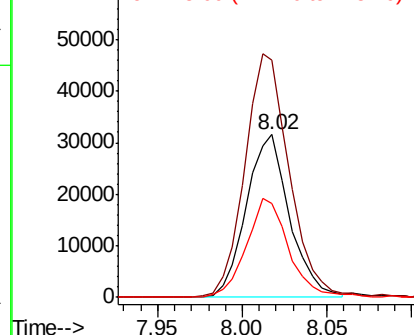
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.03 min
Lab File: BG043475.D
Acq: 1 Nov 2019 21:10

Instrument :
BNA_G
ClientSampleId :
NB-08-103019

Tot Ion:152 Resp: 56082
Ion Ratio Lower Upper
152 100
150 145.7 116.6 175.0
115 57.8 40.5 60.7



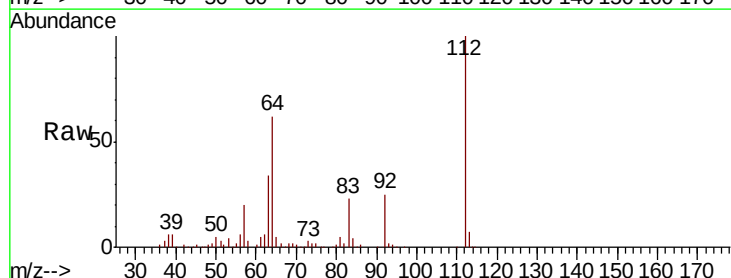
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



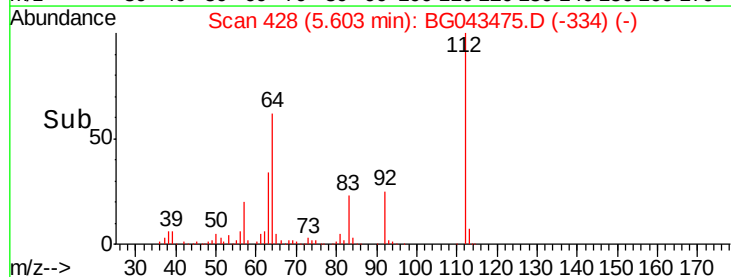
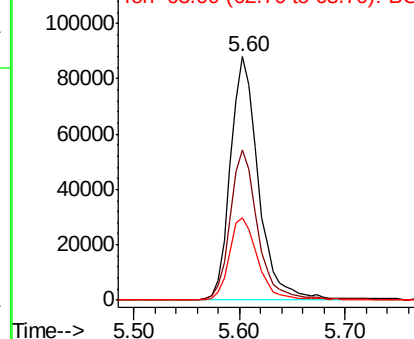
#5

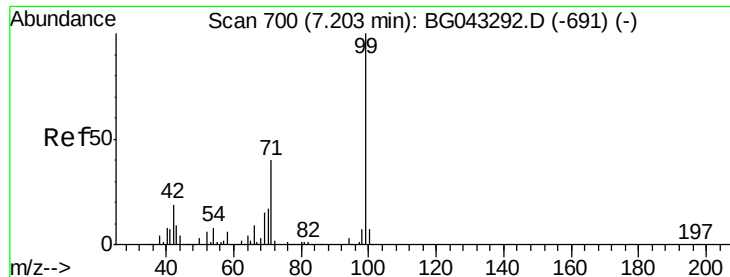
2-Fluorophenol
Concen: 52.617 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG043475.D
Acq: 1 Nov 2019 21:10

Tgt Ion:112 Resp: 161033
Ion Ratio Lower Upper
112 100
64 61.5 50.6 75.8
63 34.0 30.5 45.7



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: 49.674 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

Instrument :

BNA_G

ClientSampleId :

NB-08-103019

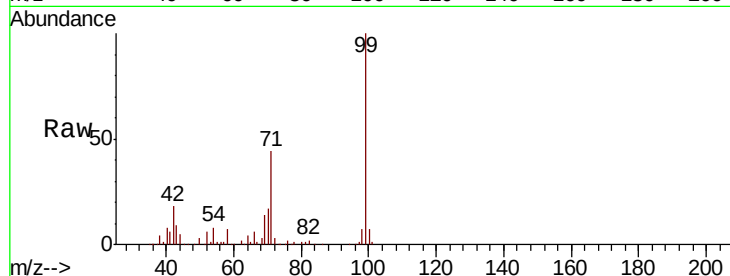
Tot Ion: 99 Resp: 218731

Ion Ratio Lower Upper

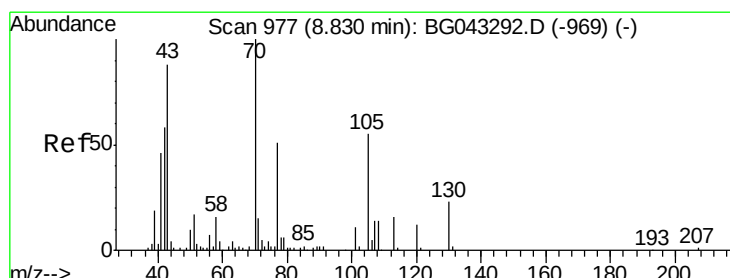
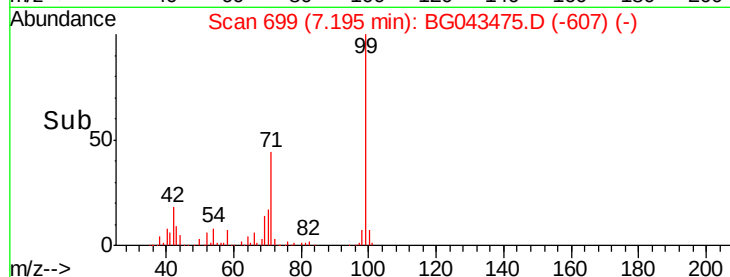
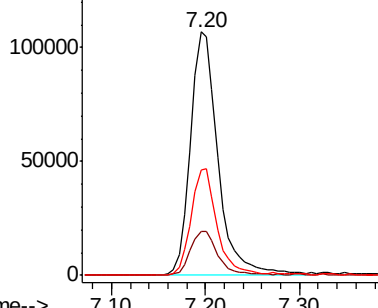
99 100

42 18.2 15.8 23.8

71 43.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 6.292 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

Tgt Ion: 70 Resp: 17904

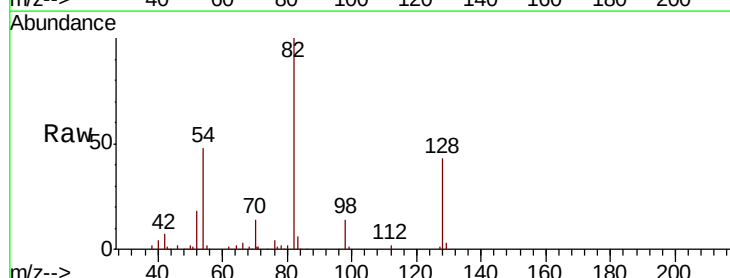
Ion Ratio Lower Upper

70 100

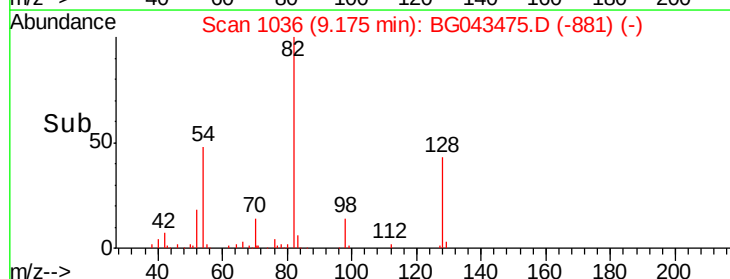
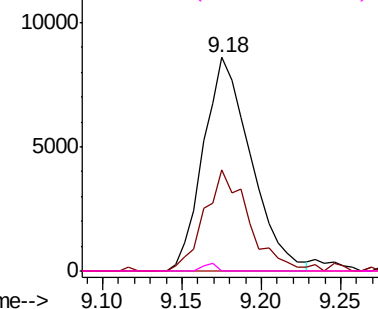
42 47.4 49.7 74.5#

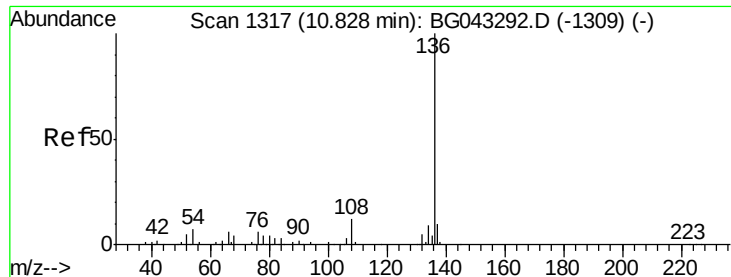
101 0.0 9.7 14.5#

130 0.0 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

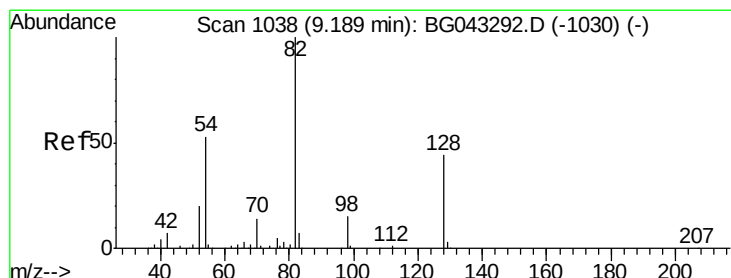
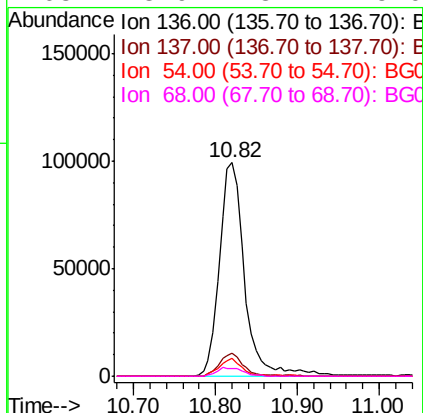
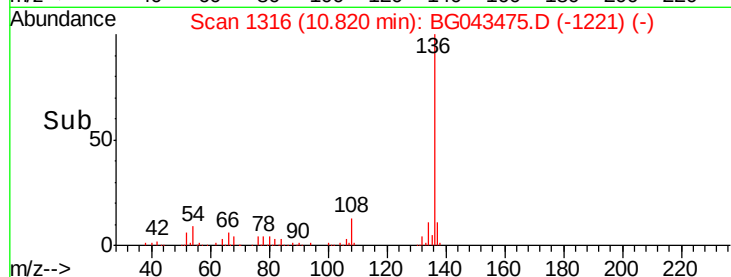
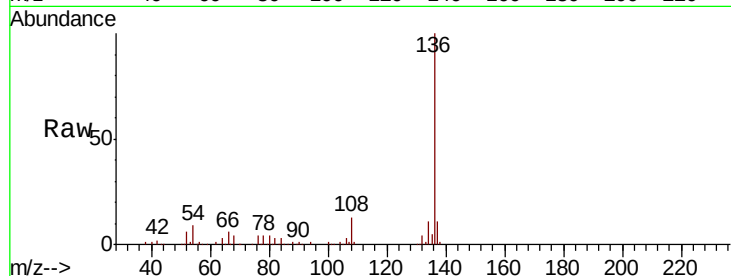




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043475.D
Acq: 1 Nov 2019 21:10

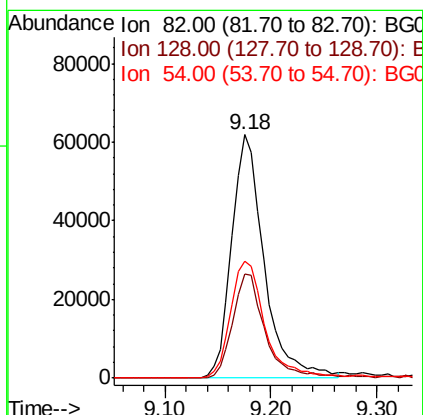
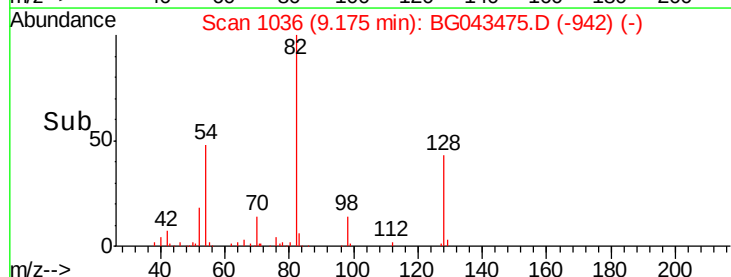
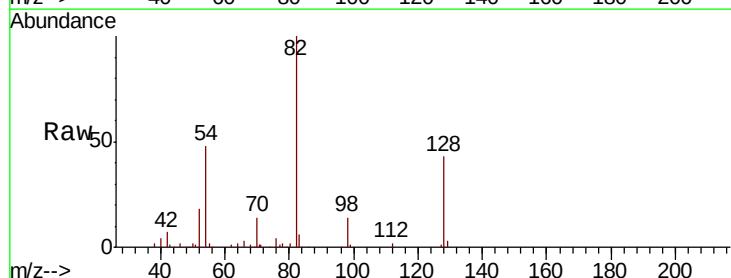
Instrument :
BNA_G
ClientSampleId :
NB-08-103019

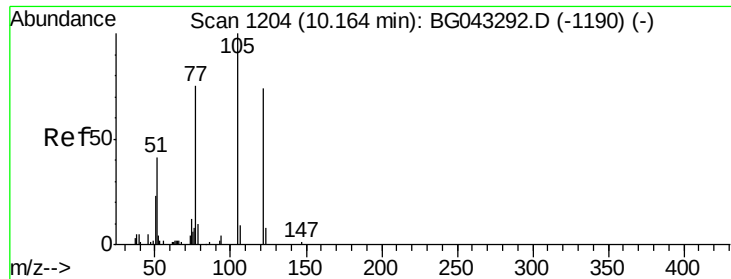
Tot Ion:136	Resp:	213428
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.8 13.2
54	8.6	6.2 9.2
68	3.9	3.4 5.0



#23
Nitrobenzene-d5
Concen: 31.779 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043475.D
Acq: 1 Nov 2019 21:10

Tgt Ion: 82	Resp:	131560
Ion Ratio	Lower	Upper
82	100	
128	42.7	34.2 51.4
54	48.2	44.7 67.1





#32

Benzoic acid

Concen: 9.070 ng

RT: 9.83 min Scan# 1148

Delta R.T. -0.33 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

Instrument :

BNA_G

ClientSampleId :

NB-08-103019

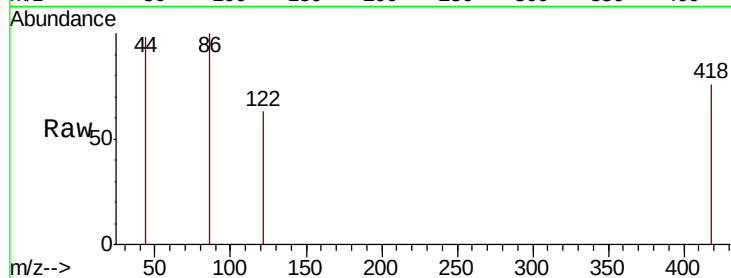
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

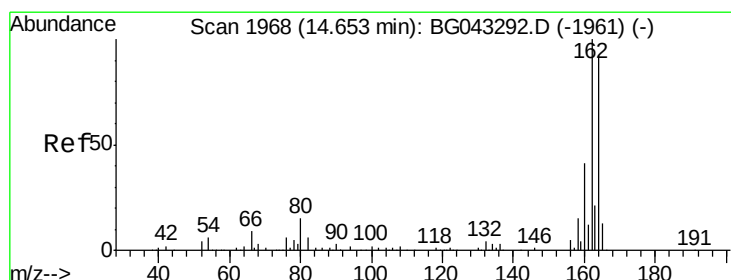
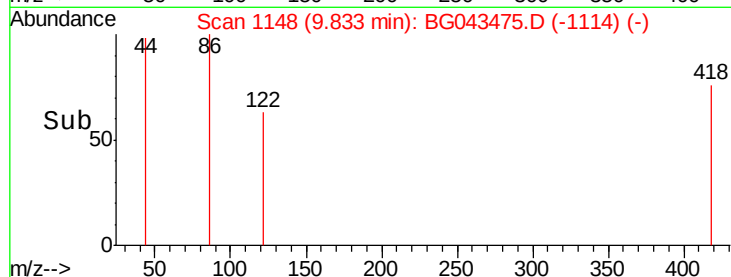
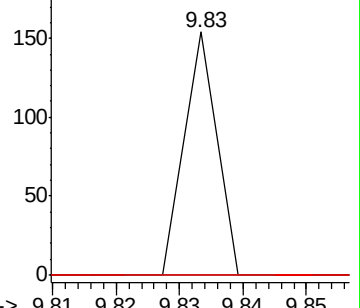
77 0.0 86.8 126.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.02 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

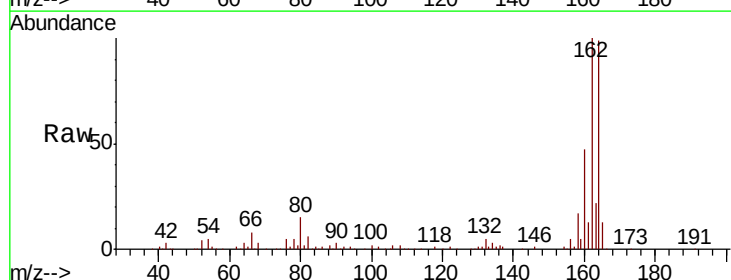
Tgt Ion:164 Resp: 142921

Ion Ratio Lower Upper

164 100

162 101.4 79.4 119.2

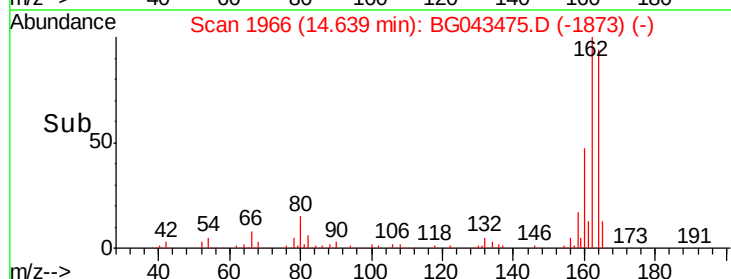
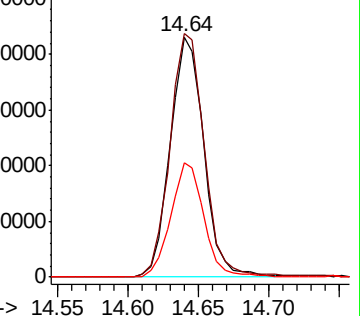
160 47.5 36.3 54.5

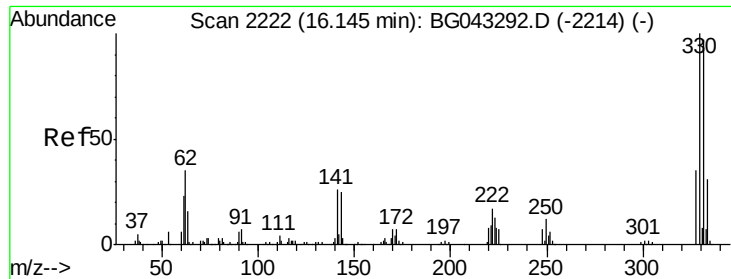


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

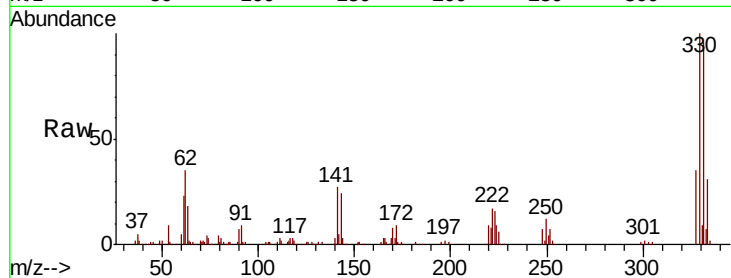




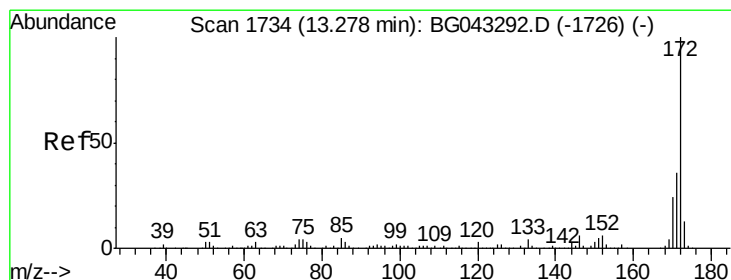
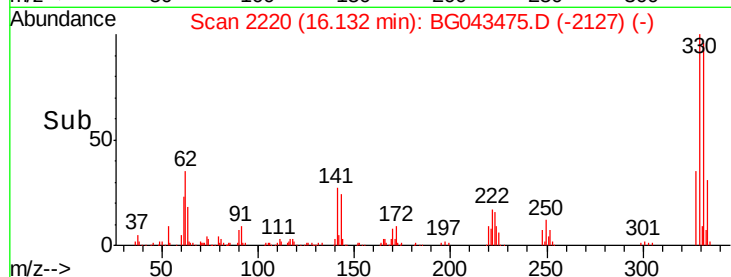
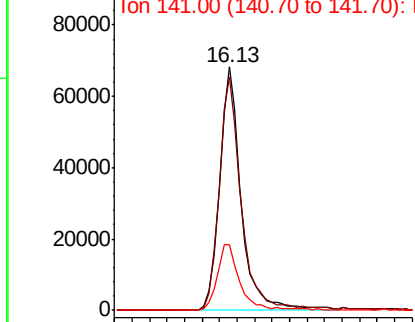
#42
 2,4,6-Tribromophenol
 Concen: 42.692 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.02 min
 Lab File: BG043475.D
 Acq: 1 Nov 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-103019

Tot Ion:330 Resp: 116114
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 27.7 23.4 35.2

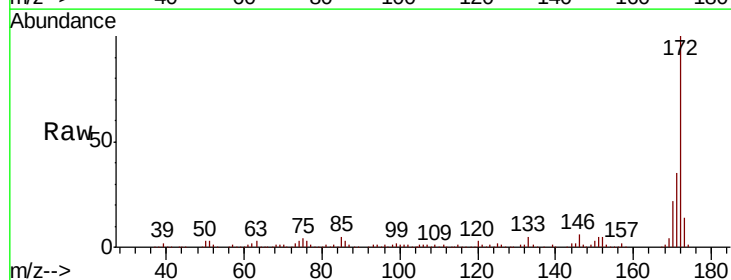


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

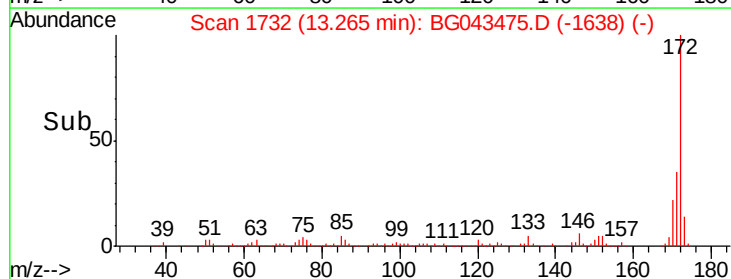
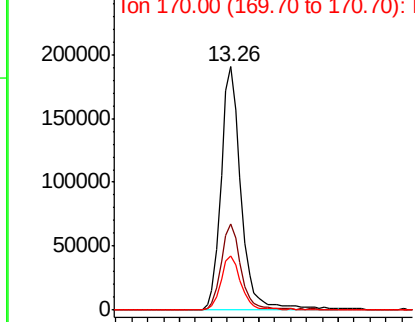


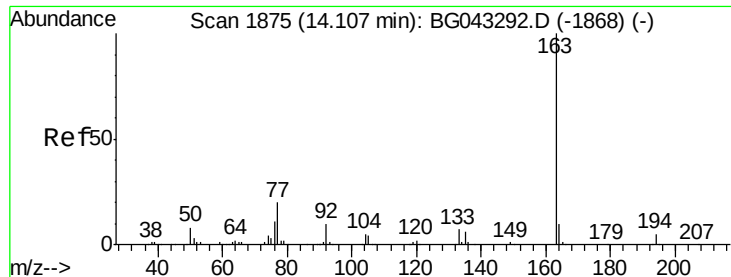
#45
 2-Fluorobiphenyl
 Concen: 32.223 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. 0.02 min
 Lab File: BG043475.D
 Acq: 1 Nov 2019 21:10

Tgt Ion:172 Resp: 333287
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.1 42.1
 170 22.1 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: 5.905 ng

RT: 14.09 min Scan# 1873

Delta R.T. 0.02 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

Instrument :

BNA_G

ClientSampleId :

NB-08-103019

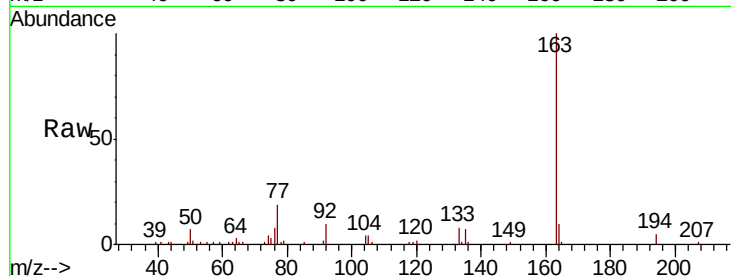
Tot Ion:163 Resp: 65371

Ion Ratio Lower Upper

163 100

194 4.9 3.8 5.8

164 10.1 8.5 12.7

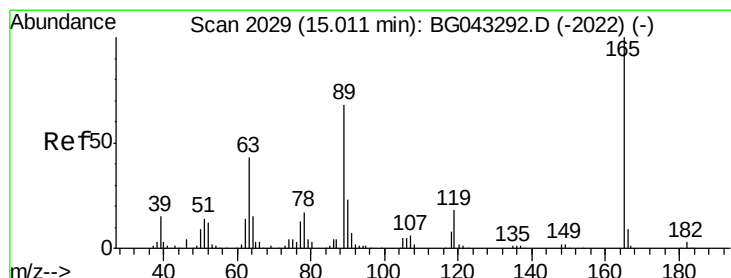
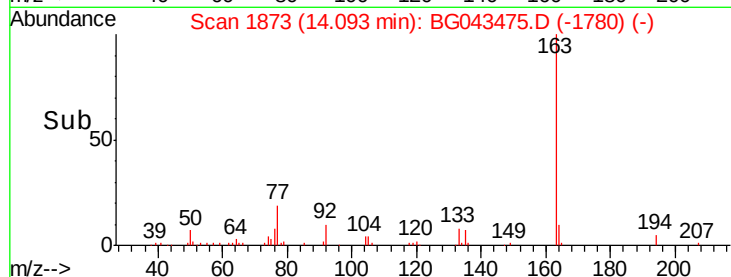
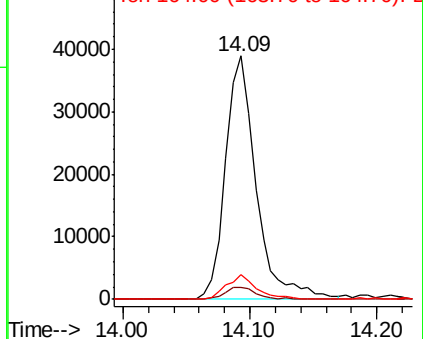


Abundance

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: 5.860 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.35 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

Tgt Ion:165 Resp: 20142

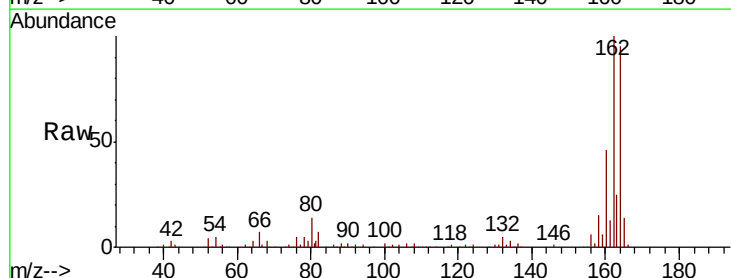
Ion Ratio Lower Upper

165 100

63 2.0 37.4 56.0#

89 1.7 50.9 76.3#

182 0.0 2.3 3.5#



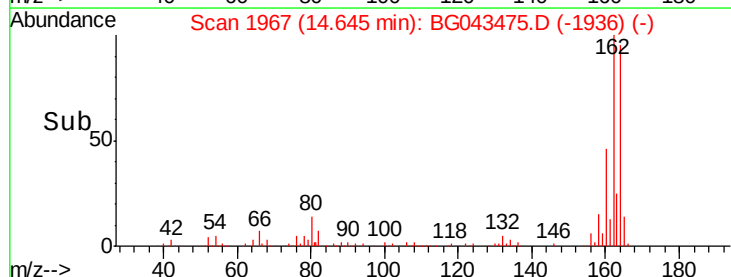
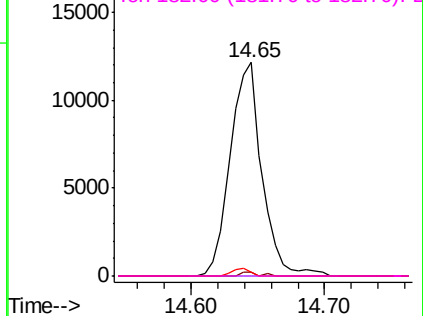
Abundance

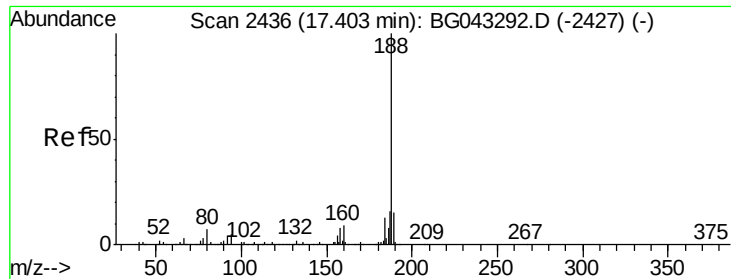
Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2433

Delta R.T. 0.02 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

Instrument :

BNA_G

ClientSampleId :

NB-08-103019

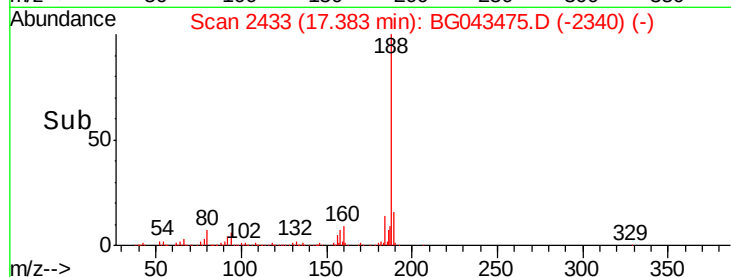
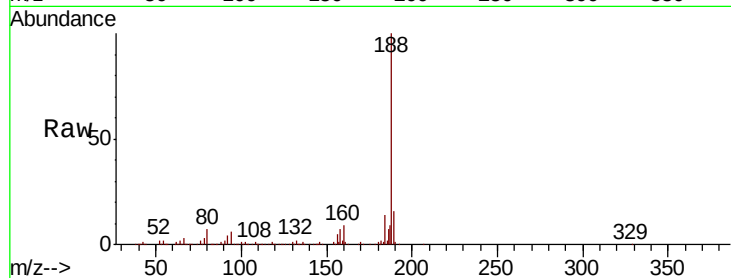
Tot Ion:188 Resp: 317639

Ion Ratio Lower Upper

188 100

94 6.3 4.6 7.0

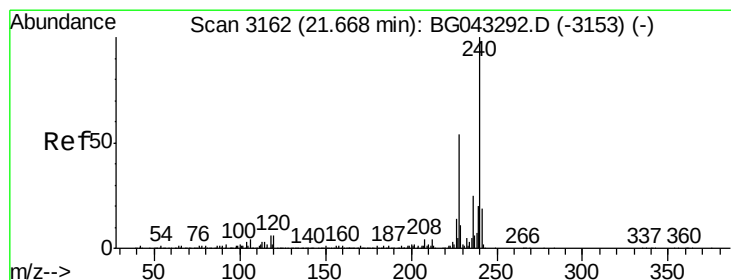
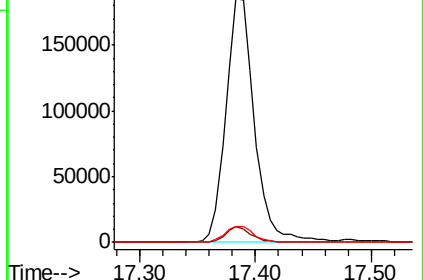
80 6.7 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. 0.02 min

Lab File: BG043475.D

Acq: 1 Nov 2019 21:10

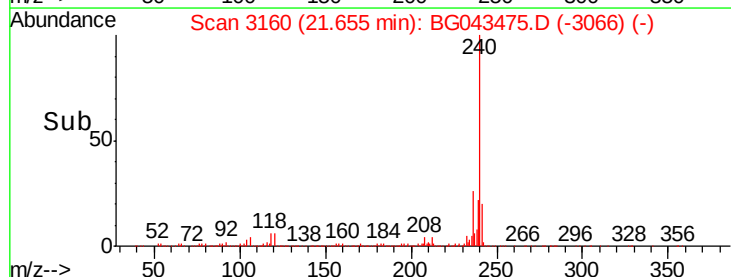
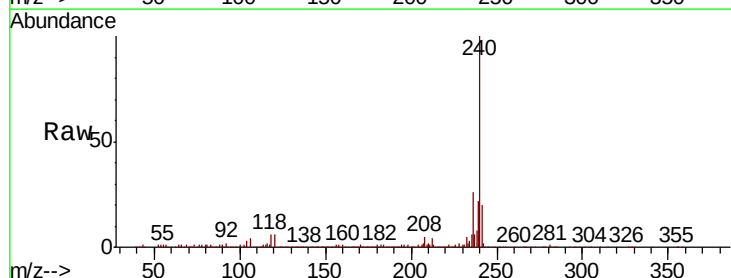
Tgt Ion:240 Resp: 336495

Ion Ratio Lower Upper

240 100

120 6.4 4.9 7.3

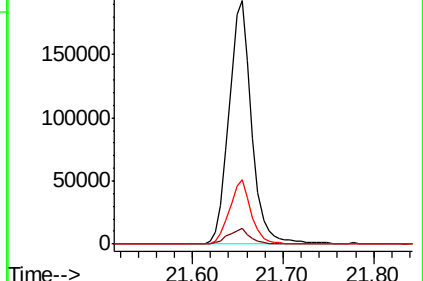
236 26.2 21.4 32.0

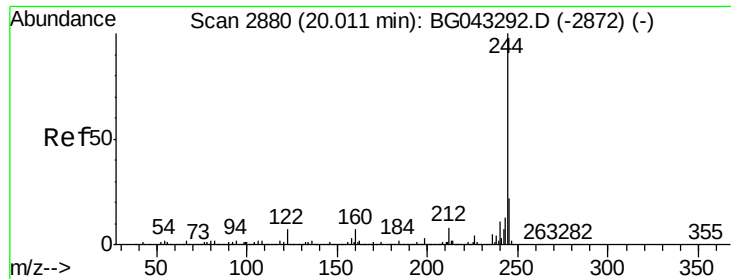


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

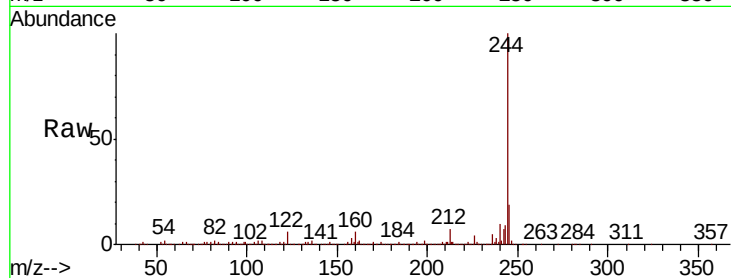




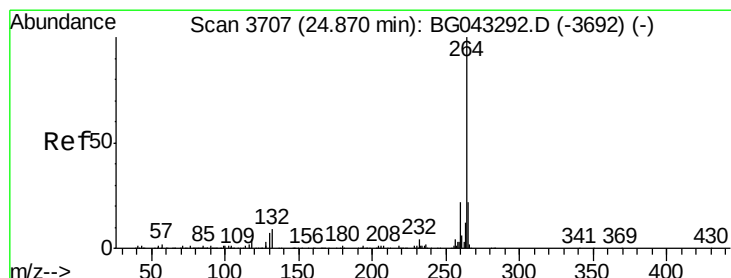
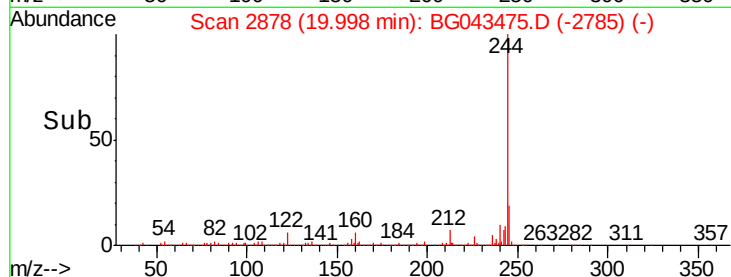
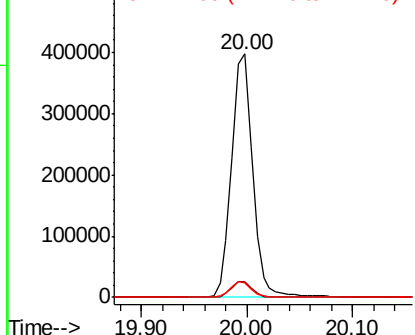
#79
 Terphenyl-d14
 Concen: 30.625 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. 0.02 min
 Lab File: BG043475.D
 Acq: 1 Nov 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-103019

Tot Ion:244 Resp: 549303
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 5.9 5.2 7.8

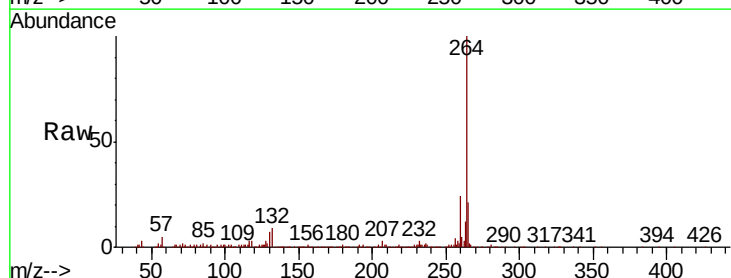


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3703
 Delta R.T. 0.03 min
 Lab File: BG043475.D
 Acq: 1 Nov 2019 21:10

Tgt Ion:264 Resp: 396770
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.4 27.6
 265 20.6 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

