

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043415.D
 Acq On : 31 Oct 2019 00:25
 Operator : JU
 Sample : K5599-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:12:21 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

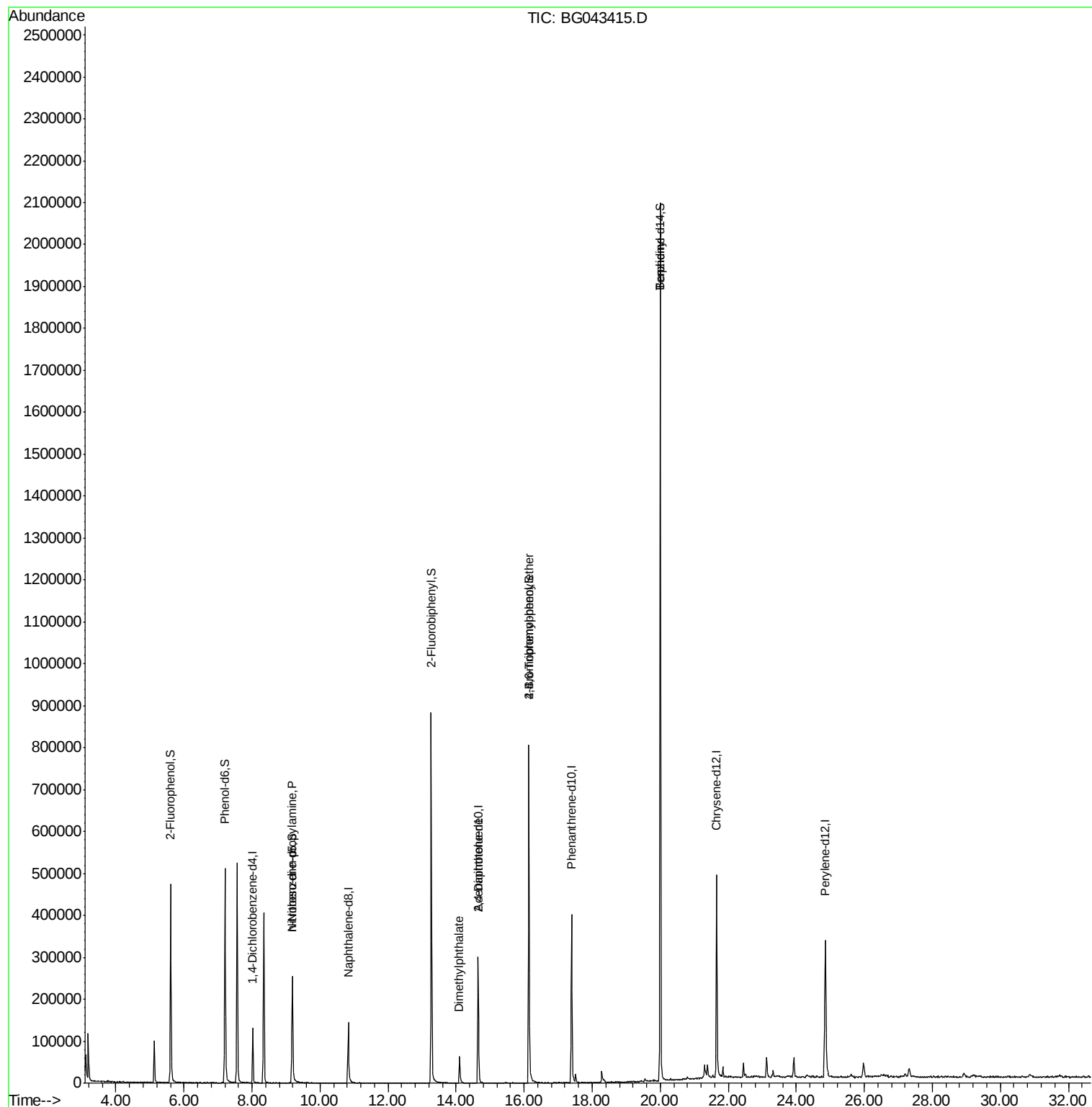
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	41685	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	160195	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	121344	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	293538	20.00	ng	0.00
76) Chrysene-d12	21.66	240	323526	20.00	ng	0.00
87) Perylene-d12	24.85	264	370119	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	224718	98.78	ng	0.00
7) Phenol-d6	7.21	99	324323	99.09	ng	0.00
23) Nitrobenzene-d5	9.19	82	187359	60.30	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	204103	88.39	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	541753	61.69	ng	0.00
79) Terphenyl-d14	20.00	244	1106610	64.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	25757	12.179	ng	Qvalue # 72
50) Dimethylphthalate	14.10	163	60255	6.411	ng	99
57) 2,4-Dinitrotoluene	14.65	165	15482	5.305	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	13208	3.343	ng	# 1
77) Benzidine	20.00	184	16189	2.486	ng	# 91

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

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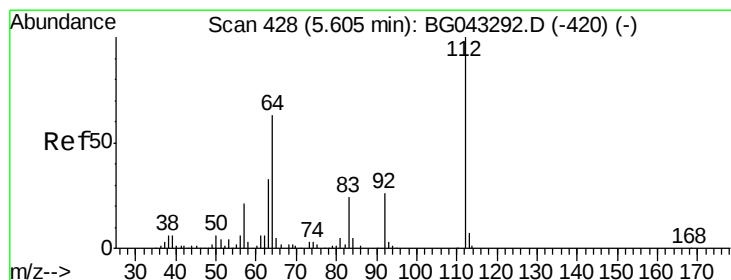
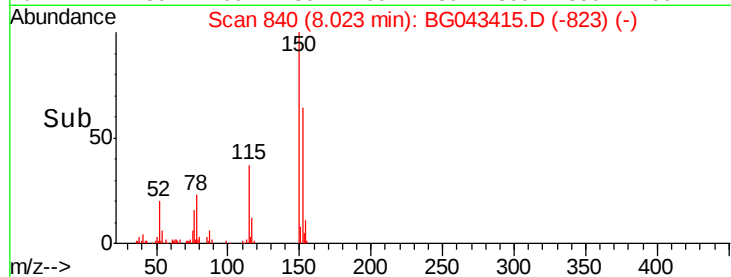
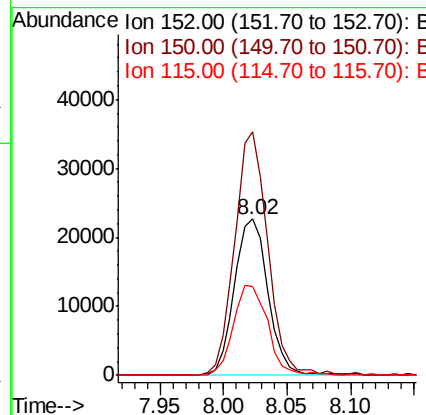
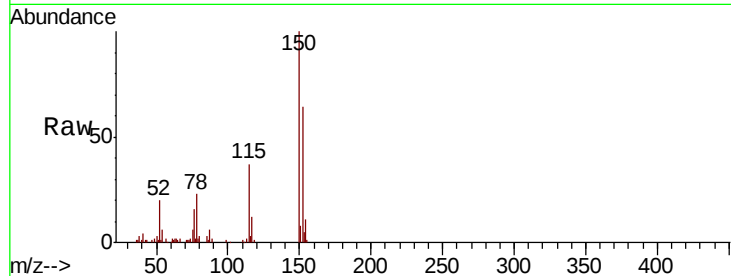


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043415.D
Acq: 31 Oct 2019 00:25

Instrument :
BNA_G
ClientSampleId :

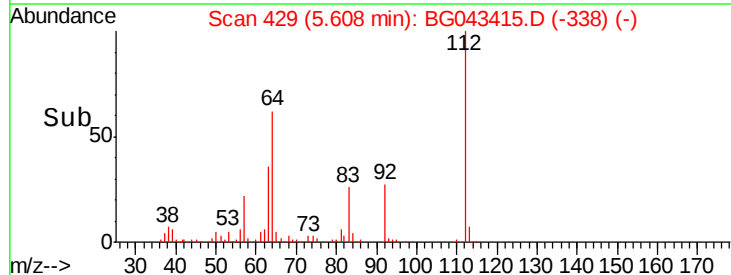
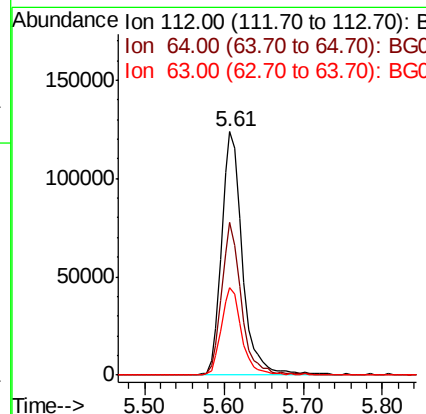
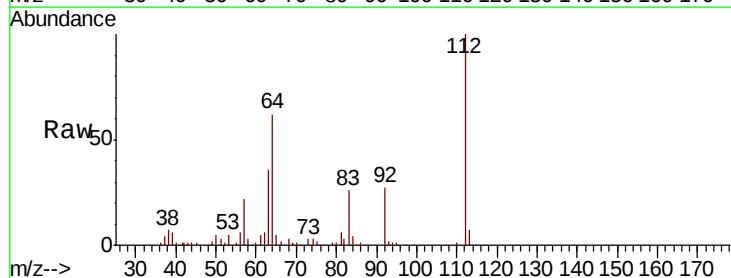
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	113.6	170.4
115	57.1	45.9	68.9

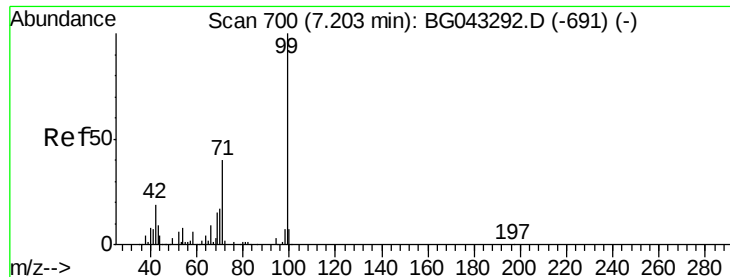


#5

2-Fluorophenol
Concen: 98.785 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043415.D
Acq: 31 Oct 2019 00:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	50.2	75.2
63	36.1	26.7	40.1





#7

Phenol-d6

Concen: 99.092 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

Instrument :

BNA_G

ClientSampleId :

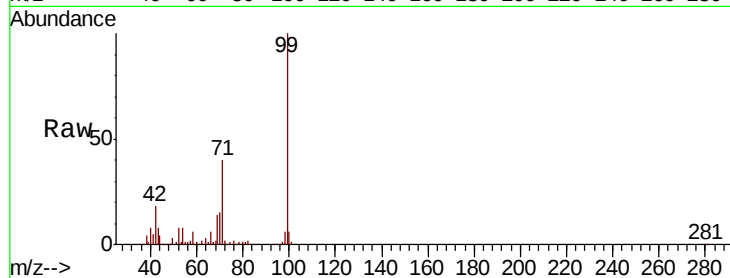
Tot Ion: 99 Resp: 324323

Ion Ratio Lower Upper

99 100

42 18.0 14.9 22.3

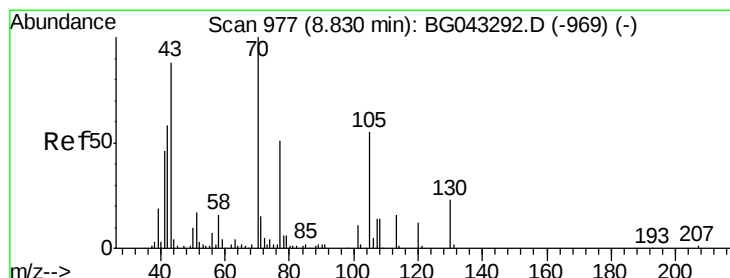
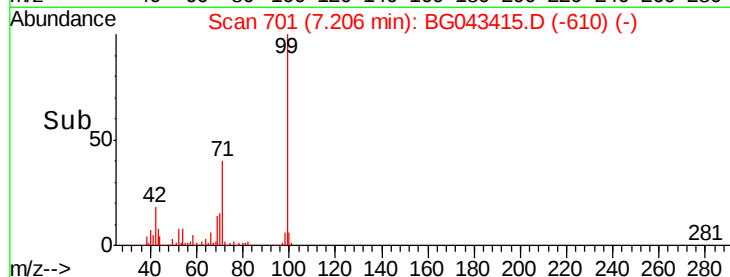
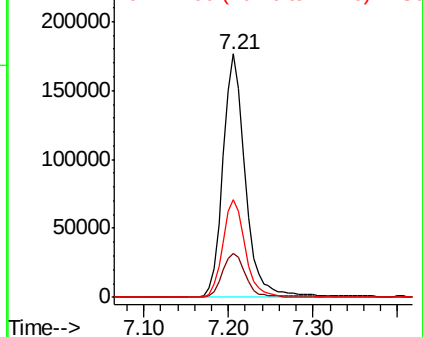
71 40.0 32.2 48.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.179 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

Tgt Ion: 70 Resp: 25757

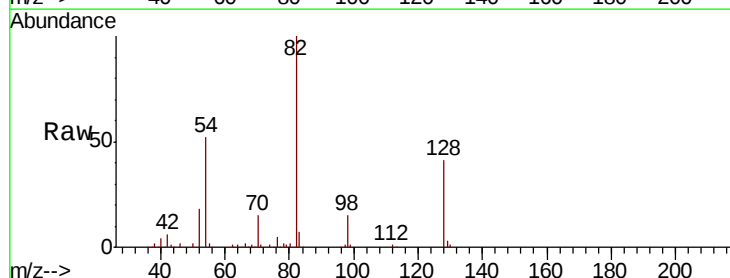
Ion Ratio Lower Upper

70 100

42 41.1 46.2 69.2#

101 0.0 8.6 13.0#

130 3.6 18.6 27.8#

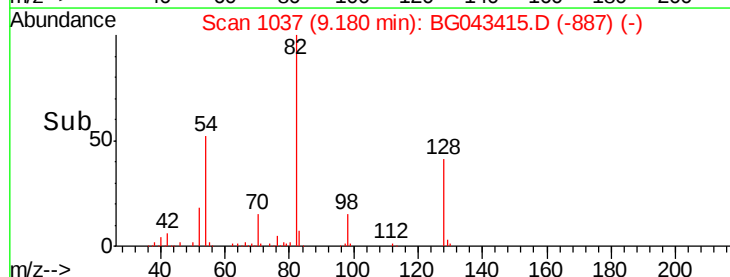
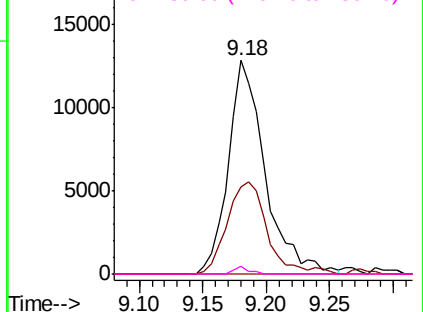


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

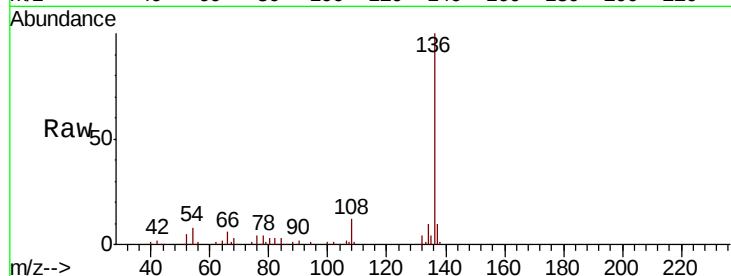
Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 160195

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.2	12.2
54	7.8	5.4	8.2
68	3.4	3.3	4.9

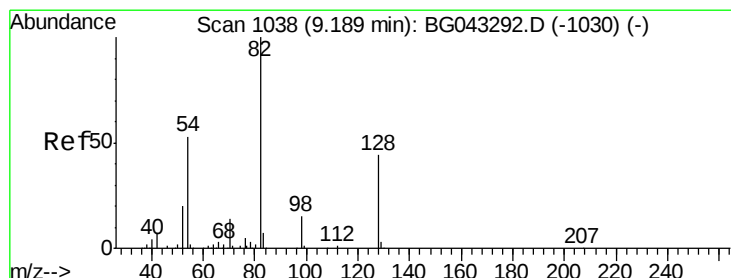
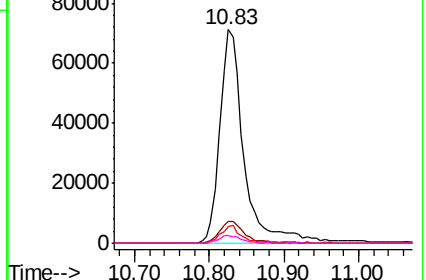
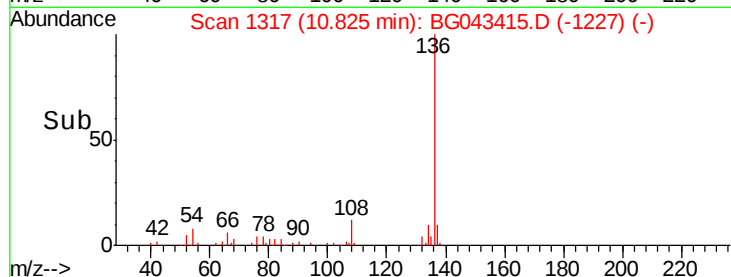


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.297 ng

RT: 9.19 min Scan# 1038

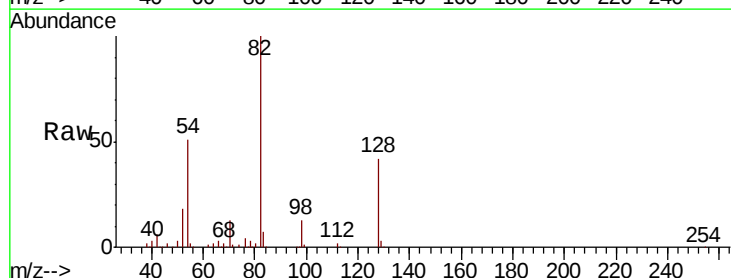
Delta R.T. -0.00 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

Tgt Ion: 82 Resp: 187359

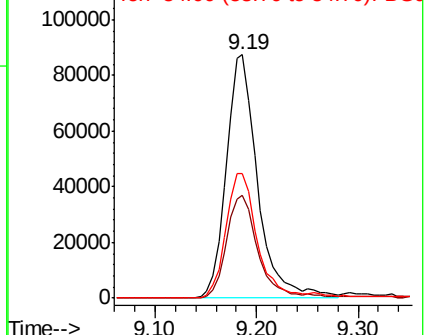
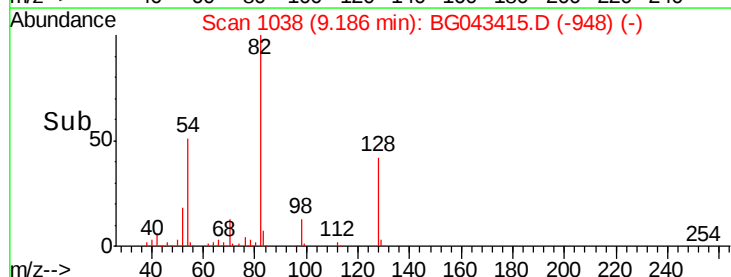
Ion	Ratio	Lower	Upper
82	100		
128	42.2	35.3	52.9
54	51.0	42.3	63.5

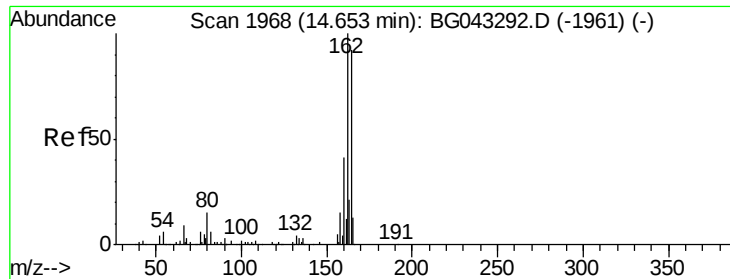


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

Instrument :

BNA_G

ClientSampleId :

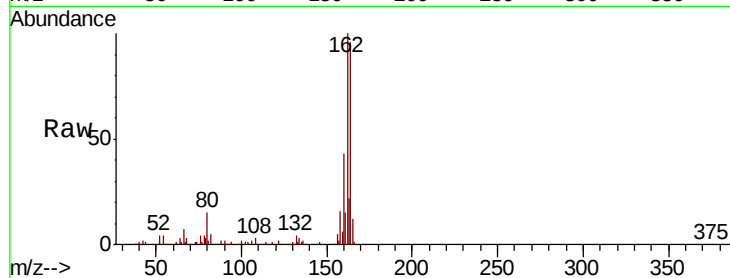
Tot Ion:164 Resp: 121344

Ion Ratio Lower Upper

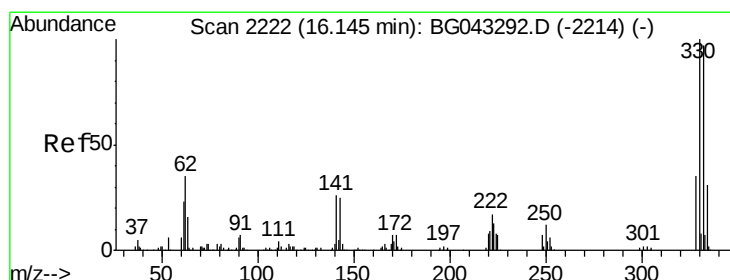
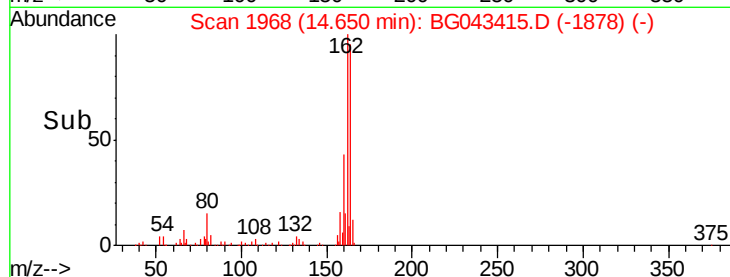
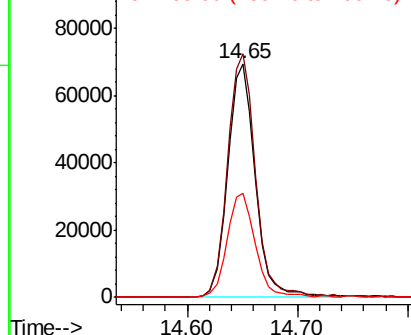
164 100

162 104.1 87.0 130.4

160 44.3 35.5 53.3



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: 88.388 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

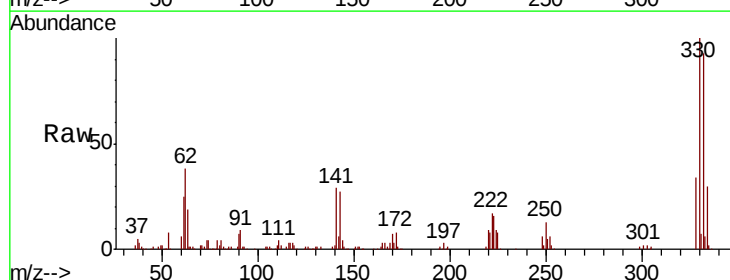
Tgt Ion:330 Resp: 204103

Ion Ratio Lower Upper

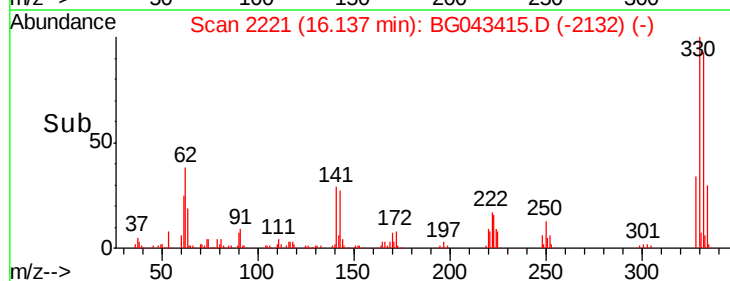
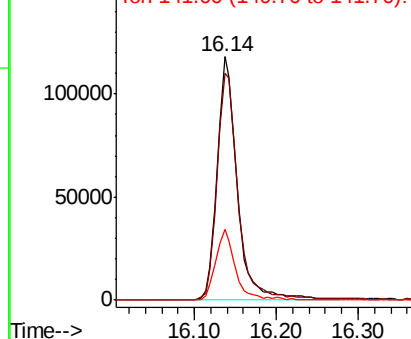
330 100

332 98.1 76.4 114.6

141 28.4 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



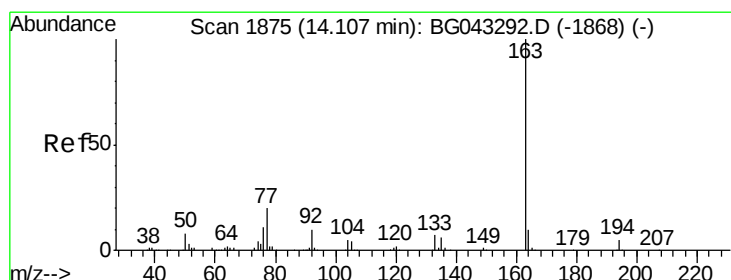
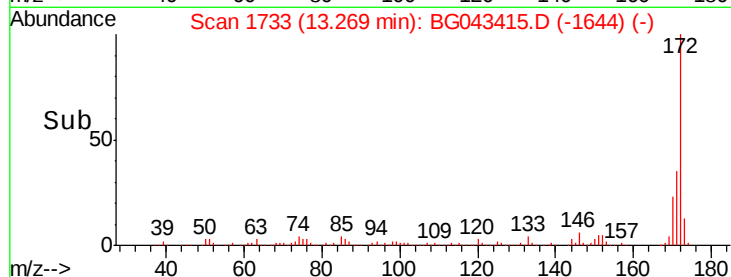
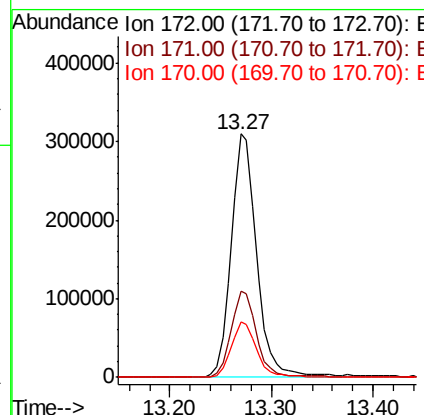
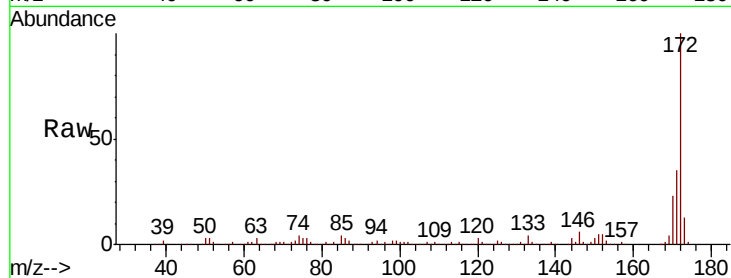


#45
 2-Fluorobiphenyl
 Concen: 61.692 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043415.D
 Acq: 31 Oct 2019 00:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 541753

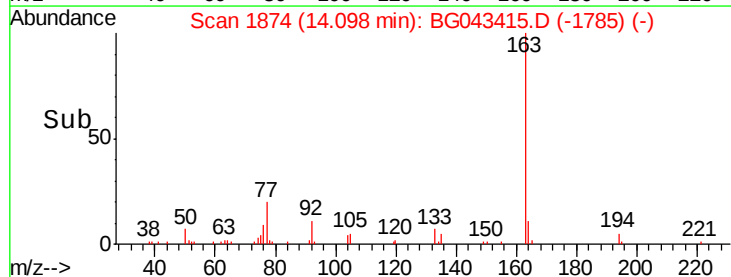
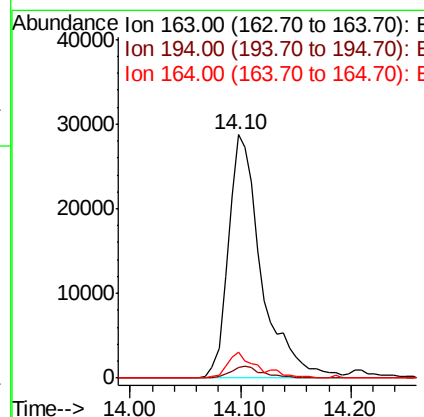
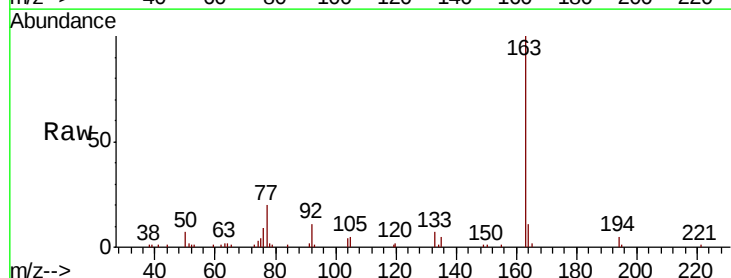
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	22.8	18.8	28.2

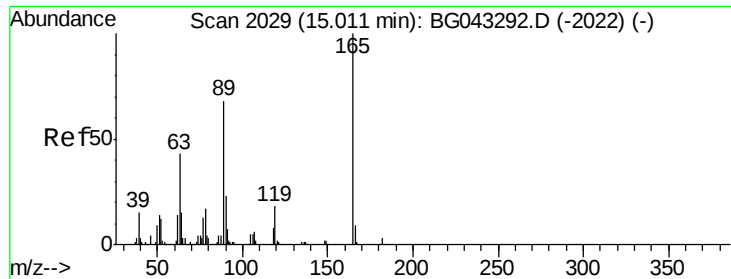


#50
 Dimethylphthalate
 Concen: 6.411 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043415.D
 Acq: 31 Oct 2019 00:25

Tgt Ion:163 Resp: 60255

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.7	5.5
164	10.9	8.1	12.1

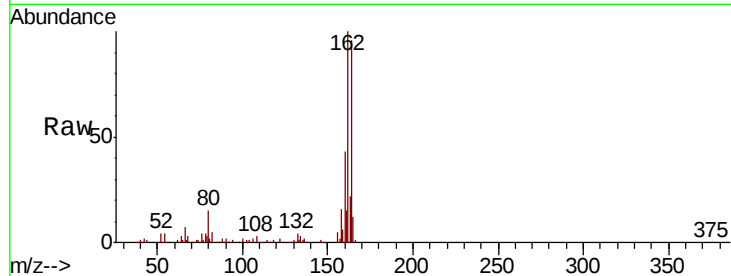




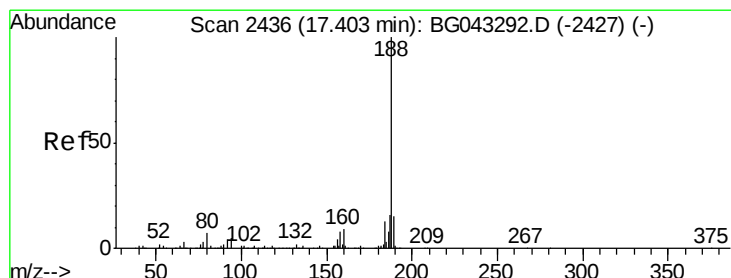
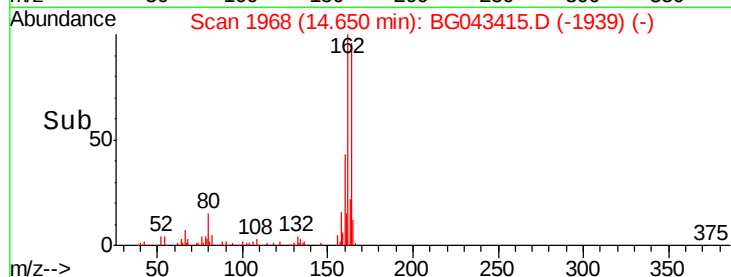
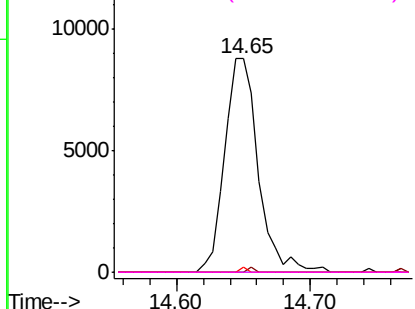
#57
 2,4-Dinitrotoluene
 Concen: 5.305 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043415.D
 Acq: 31 Oct 2019 00:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 15482
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.6#
 89 2.4 54.1 81.1#
 182 0.0 2.2 3.2#

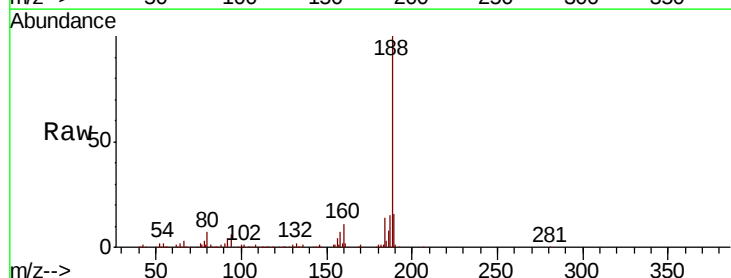


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

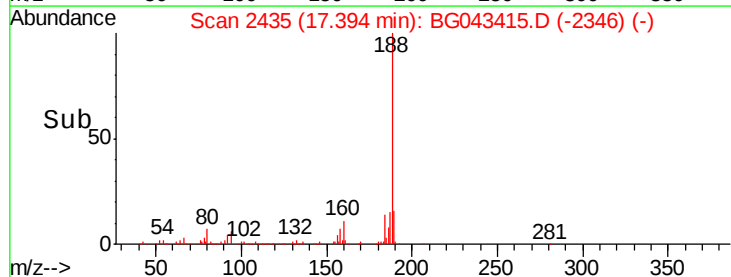
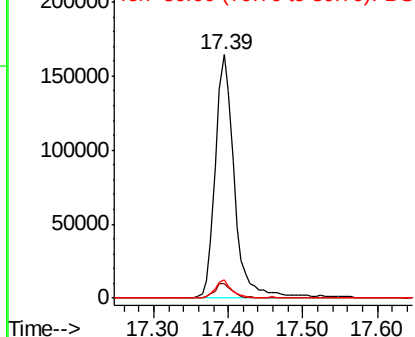


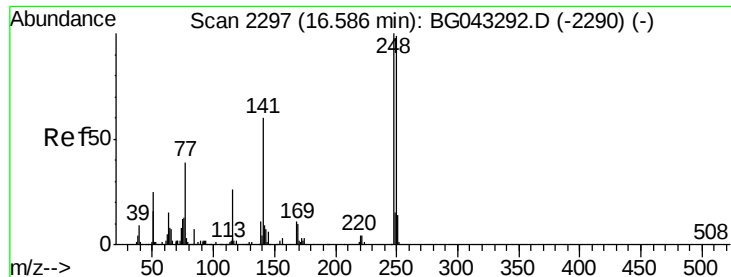
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043415.D
 Acq: 31 Oct 2019 00:25

Tgt Ion:188 Resp: 293538
 Ion Ratio Lower Upper
 188 100
 94 6.0 4.2 6.2
 80 7.3 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

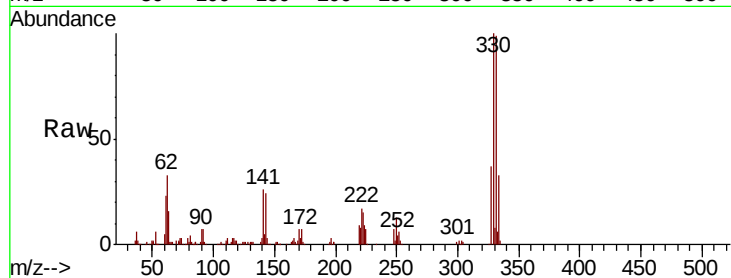




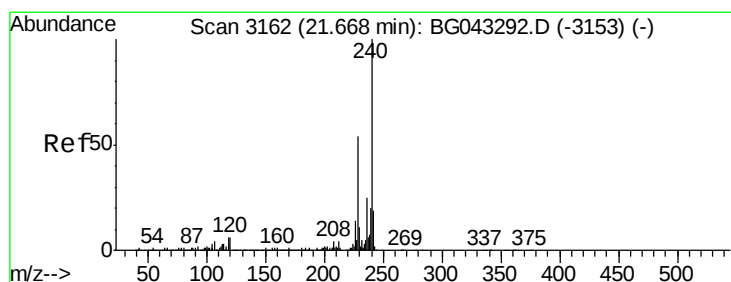
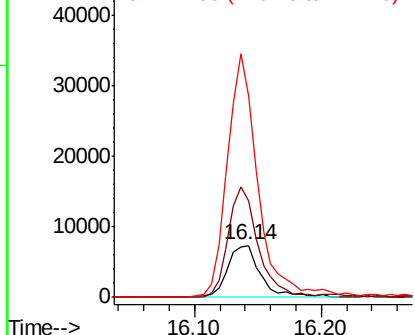
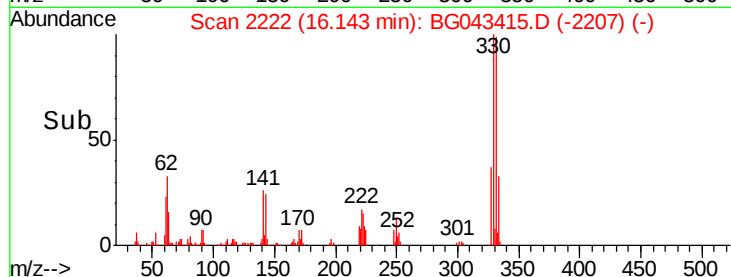
#67
4-Bromophenyl-phenylether
Concen: 3.343 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG043415.D
Acq: 31 Oct 2019 00:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 13208
Ion Ratio Lower Upper
248 100
250 186.2 79.3 118.9#
141 388.2 47.9 71.9#

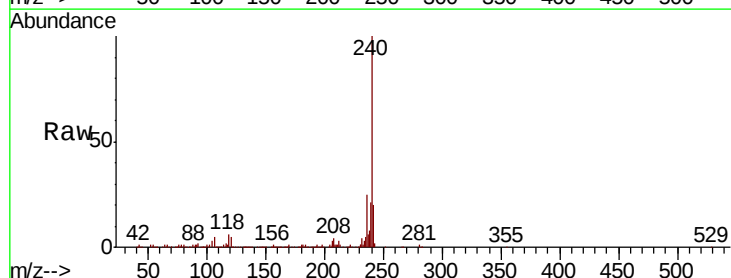


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

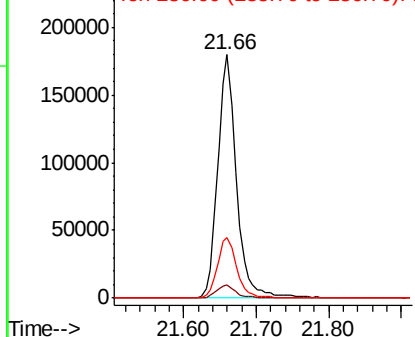
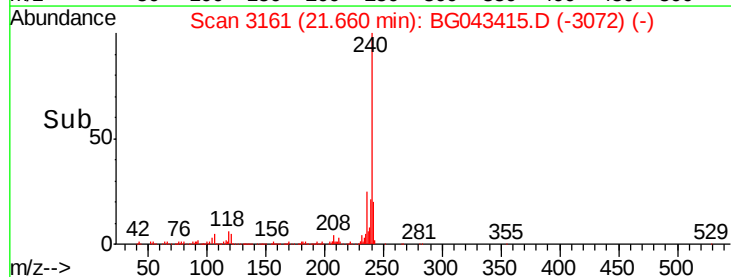


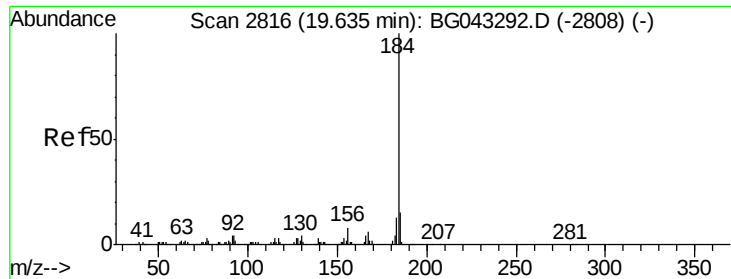
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043415.D
Acq: 31 Oct 2019 00:25

Tgt Ion:240 Resp: 323526
Ion Ratio Lower Upper
240 100
120 5.3 4.6 7.0
236 24.9 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: 2.486 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

Instrument :

BNA_G

ClientSampleId :

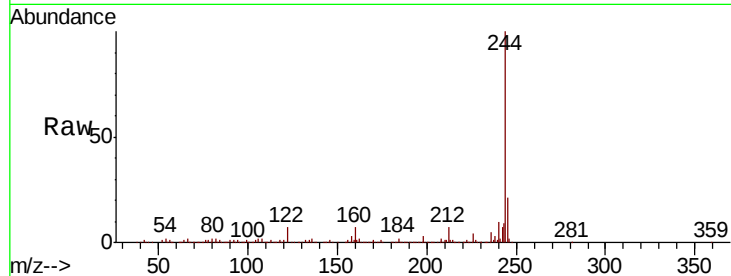
Tot Ion:184 Resp: 16189

Ion Ratio Lower Upper

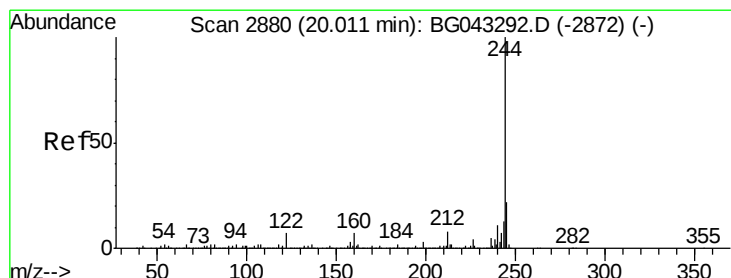
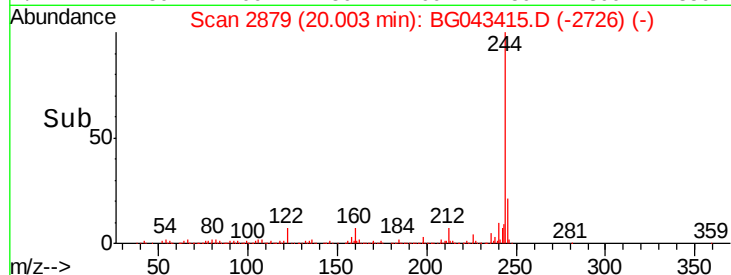
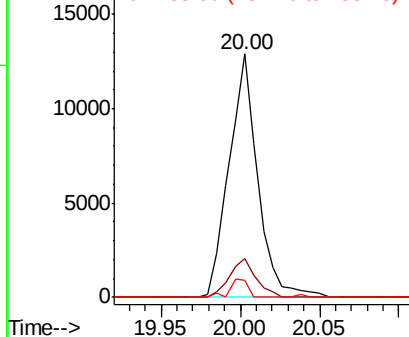
184 100

185 16.1 11.8 17.6

183 7.2 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: 64.170 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043415.D

Acq: 31 Oct 2019 00:25

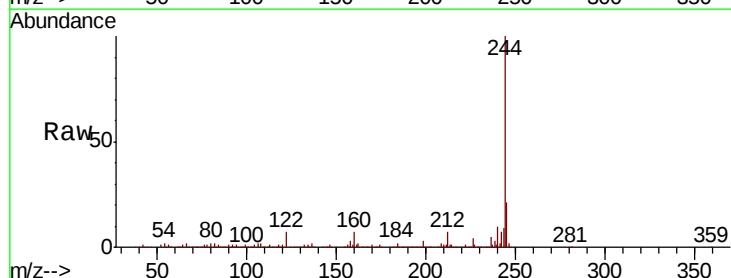
Tgt Ion:244 Resp: 1106610

Ion Ratio Lower Upper

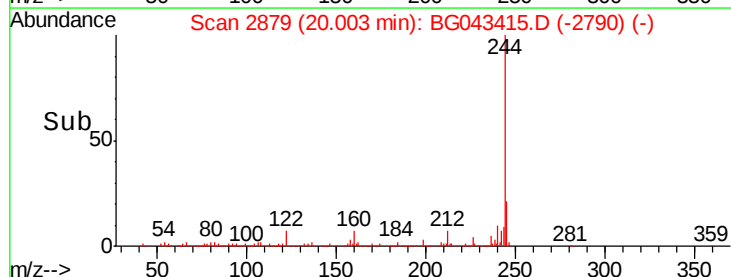
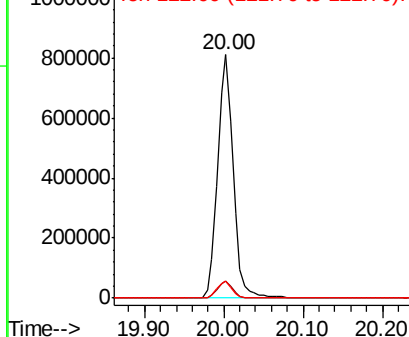
244 100

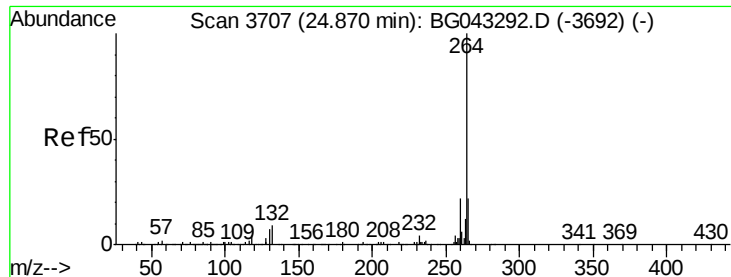
212 7.1 6.4 9.6

122 6.9 5.3 7.9



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

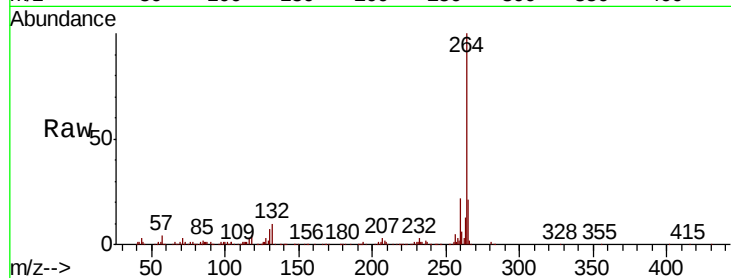




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.02 min
 Lab File: BG043415.D
 Acq: 31 Oct 2019 00:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.9	26.9
265	21.2	17.4	26.2



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

