

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043405.D
 Acq On : 30 Oct 2019 17:58
 Operator : JU
 Sample : K5543-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:08:23 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

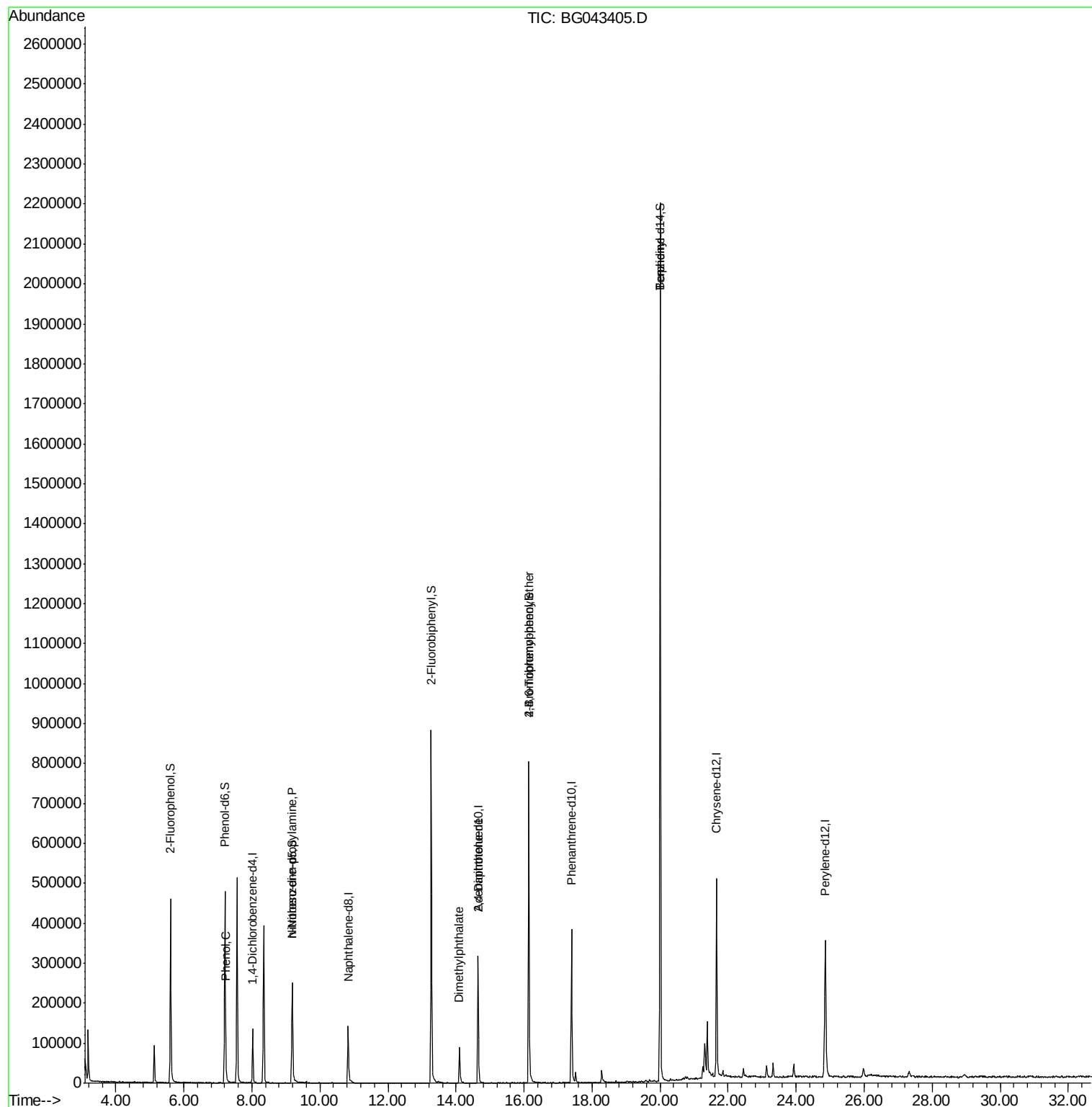
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	42953	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	145760	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	121313	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	293789	20.00	ng	0.00
76) Chrysene-d12	21.66	240	344516	20.00	ng	-0.01
87) Perylene-d12	24.85	264	403181	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	223889	95.51	ng	0.00
7) Phenol-d6	7.21	99	311863	92.47	ng	0.00
23) Nitrobenzene-d5	9.18	82	187370	66.27	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	206830	89.59	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	546363	62.23	ng	0.00
79) Terphenyl-d14	20.00	244	1223360	66.62	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	8576	2.783	ng	78
19) n-Nitroso-di-n-propylamine	9.18	70	25677	11.783	ng	# 73
50) Dimethylphthalate	14.10	163	82884	8.821	ng	# 97
57) 2,4-Dinitrotoluene	14.65	165	15725	5.390	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	12413	3.140	ng	# 1
77) Benzidine	20.01	184	17211	2.482	ng	# 93

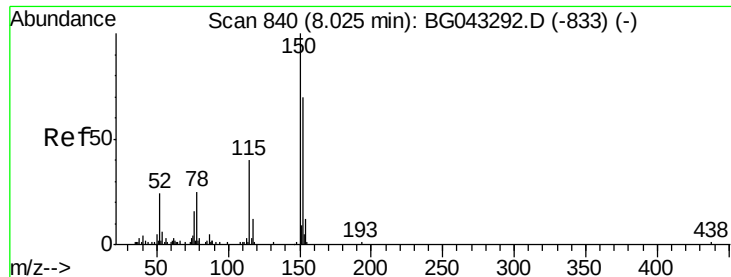
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



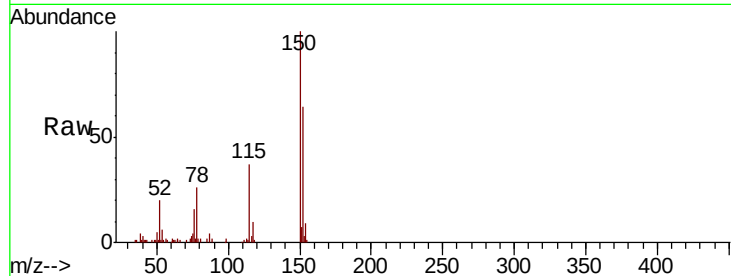


#1

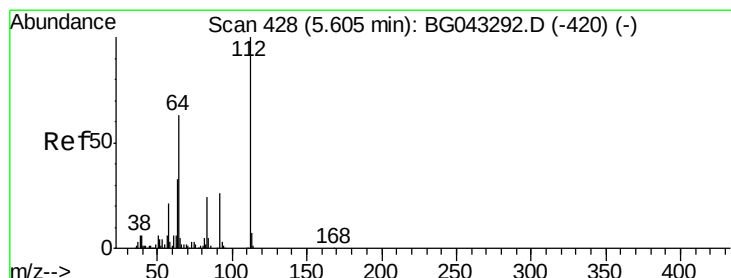
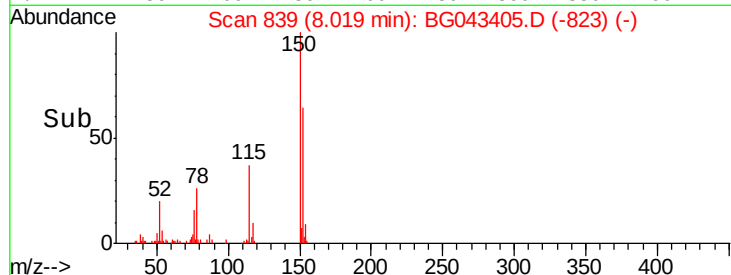
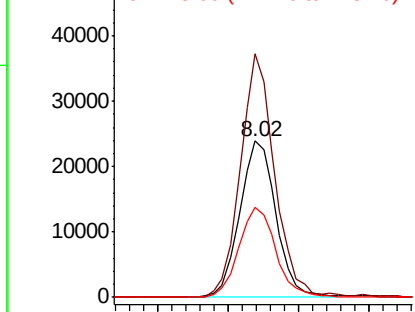
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043405.D
Acq: 30 Oct 2019 17:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	113.6	170.4
115	57.7	45.9	68.9



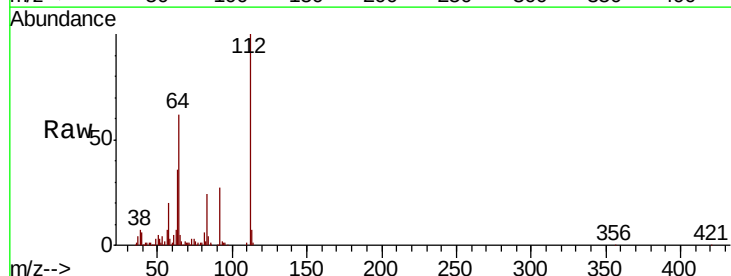
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



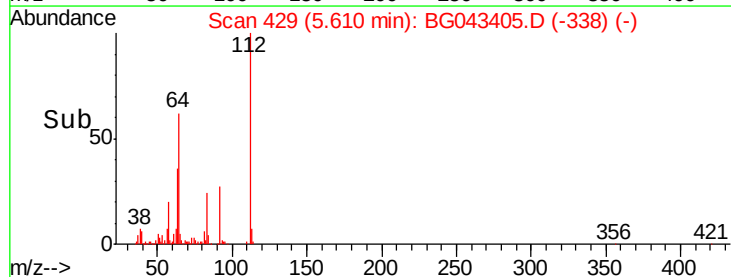
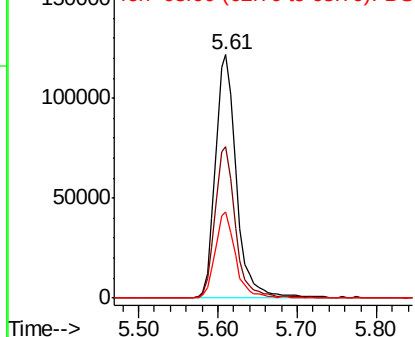
#5

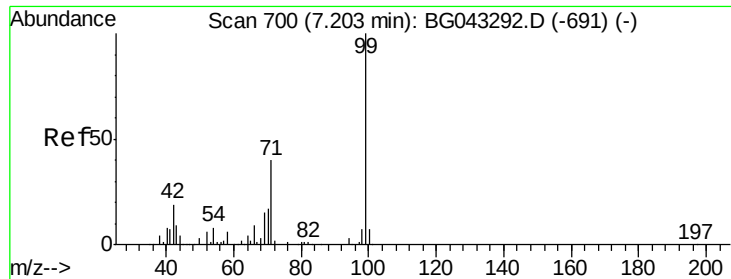
2-Fluorophenol
Concen: 95.515 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG043405.D
Acq: 30 Oct 2019 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.2	75.2
63	35.5	26.7	40.1



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: 92.472 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

Instrument :

BNA_G

ClientSampleId :

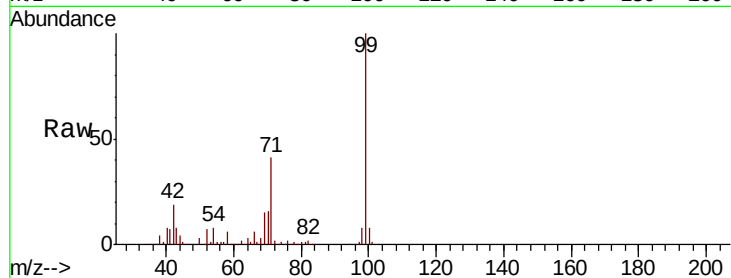
Tot Ion: 99 Resp: 311863

Ion Ratio Lower Upper

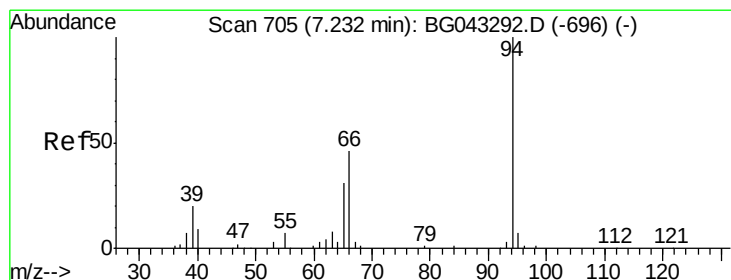
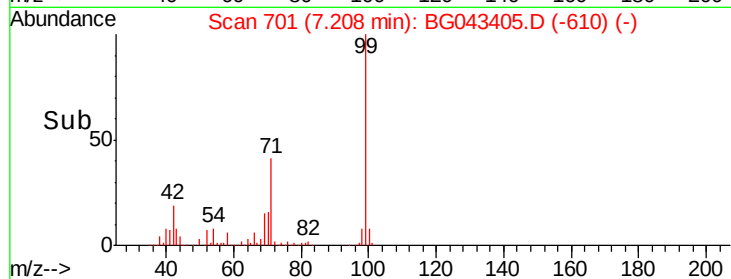
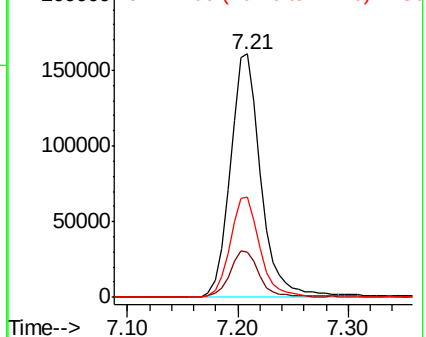
99 100

42 18.6 14.9 22.3

71 41.3 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



#10

Phenol

Concen: 2.783 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

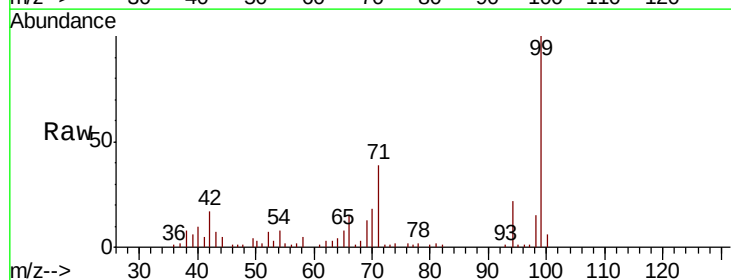
Tgt Ion: 94 Resp: 8576

Ion Ratio Lower Upper

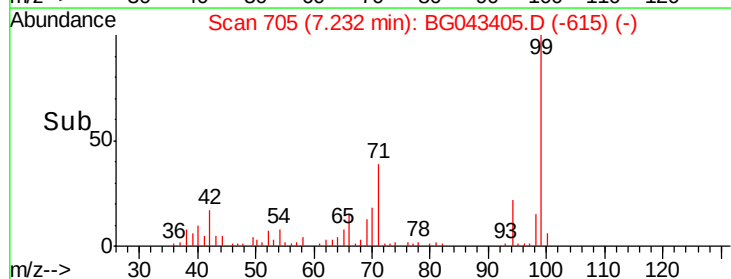
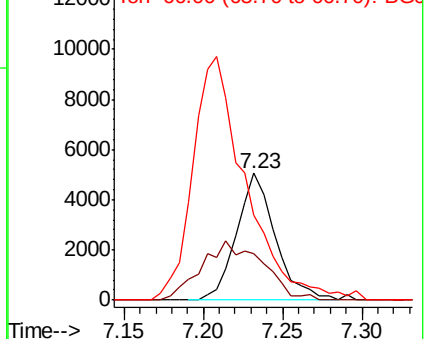
94 100

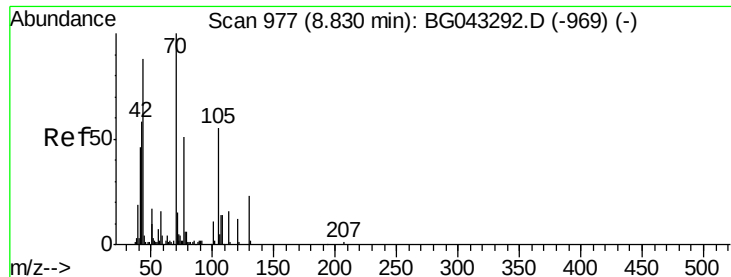
65 36.9 11.1 51.1

66 67.4 27.8 67.8



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

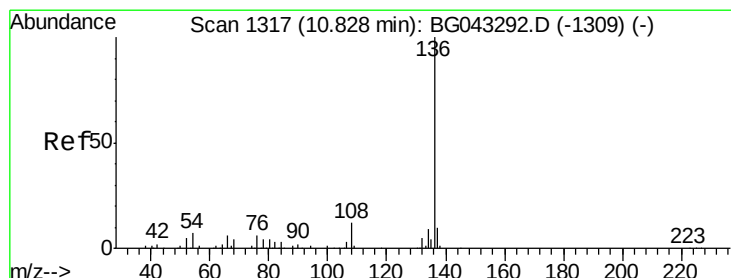
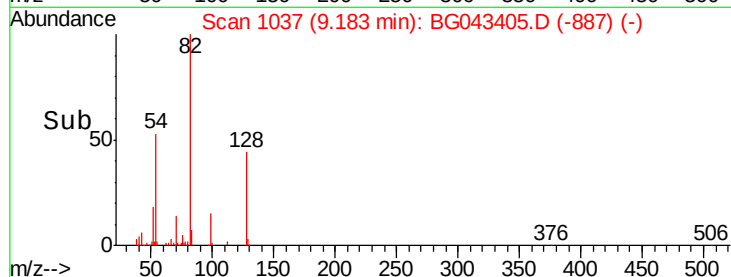
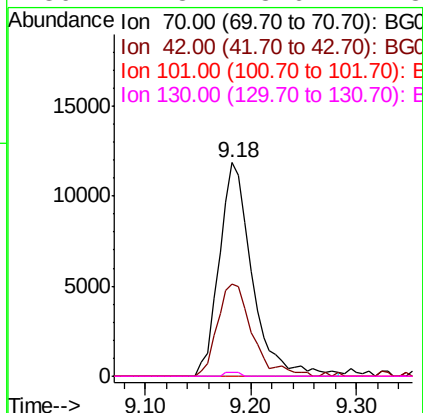
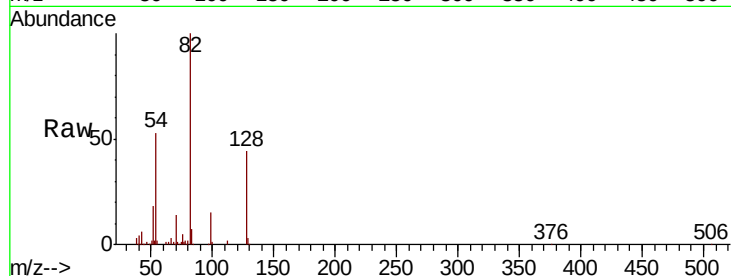




#19
 n-Nitroso-di-n-propylamine
 Concen: 11.783 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.35 min
 Lab File: BG043405.D
 Acq: 30 Oct 2019 17:58

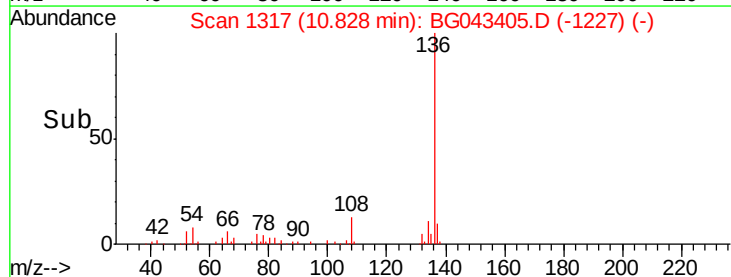
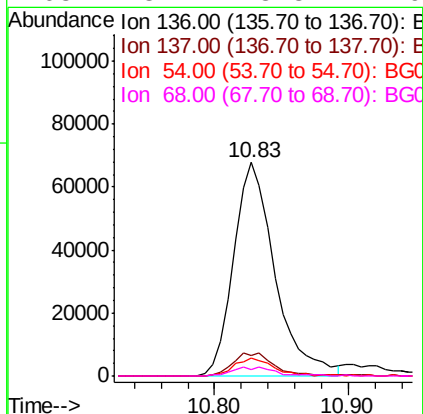
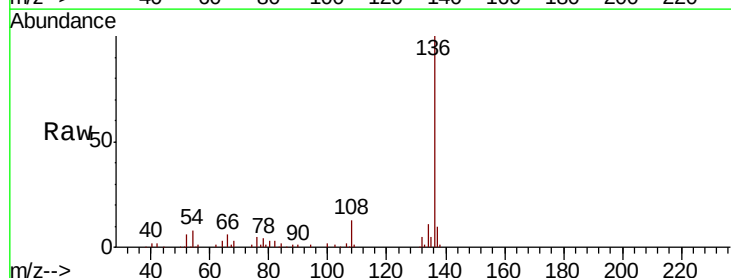
Instrument :
 BNA_G
 ClientSampleId :

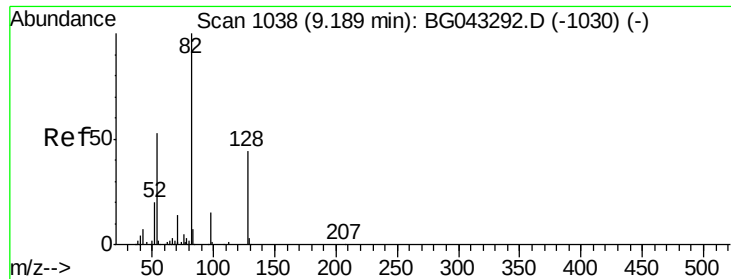
Tot Ion: 70 Resp: 25677
 Ion Ratio Lower Upper
 70 100
 42 43.1 46.2 69.2#
 101 0.0 8.6 13.0#
 130 1.8 18.6 27.8#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BG043405.D
 Acq: 30 Oct 2019 17:58

Tgt Ion: 136 Resp: 145760
 Ion Ratio Lower Upper
 136 100
 137 9.8 8.2 12.2
 54 8.2 5.4 8.2#
 68 3.2 3.3 4.9#

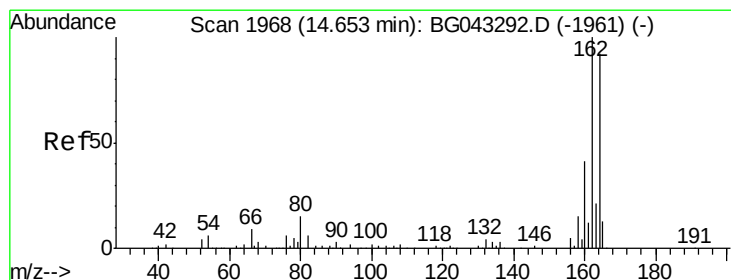
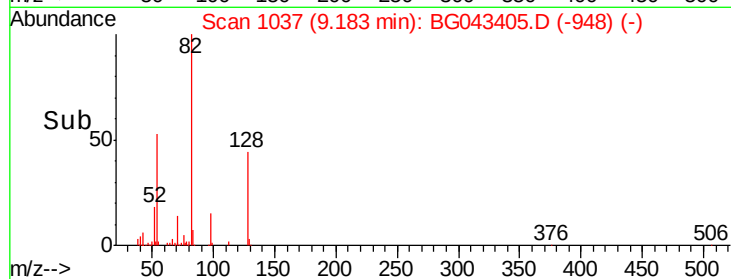
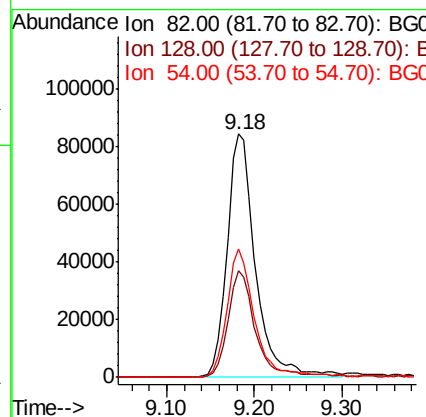
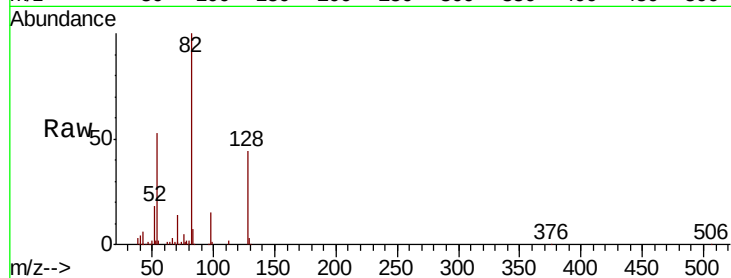




#23
 Nitrobenzene-d5
 Concen: 66.272 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BG043405.D
 Acq: 30 Oct 2019 17:58

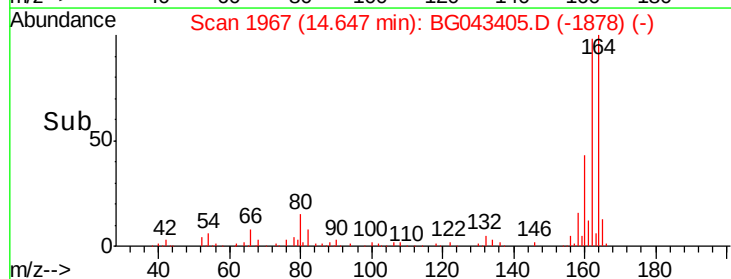
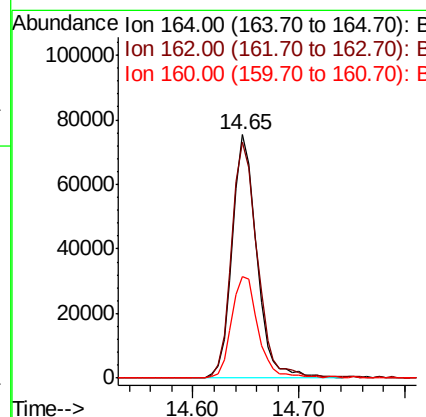
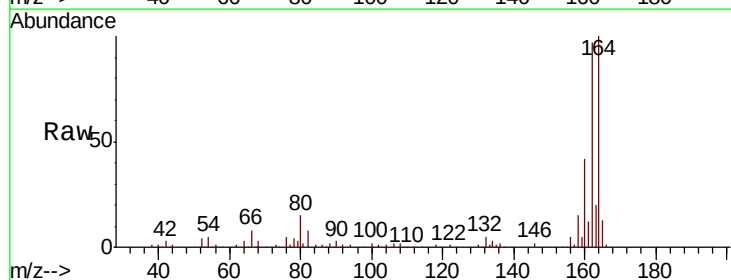
Instrument :
 BNA_G
 ClientSampleId :

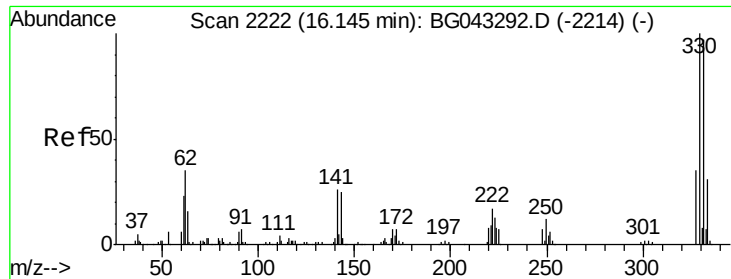
Tot Ion	82	Resp	187370
Ion Ratio	Lower	Upper	
82	100		
128	43.6	35.3	52.9
54	52.9	42.3	63.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG043405.D
 Acq: 30 Oct 2019 17:58

Tgt Ion	164	Resp	121313
Ion Ratio	Lower	Upper	
164	100		
162	97.1	87.0	130.4
160	42.0	35.5	53.3

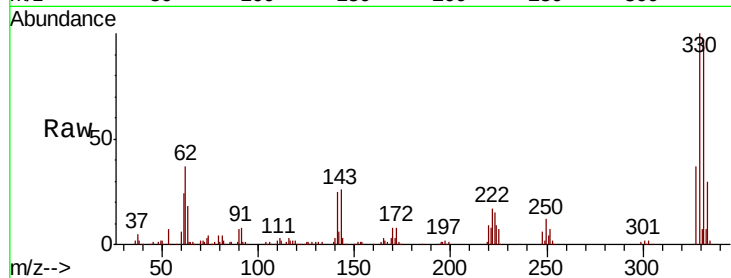




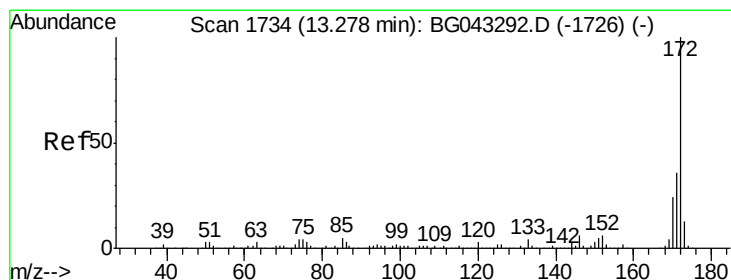
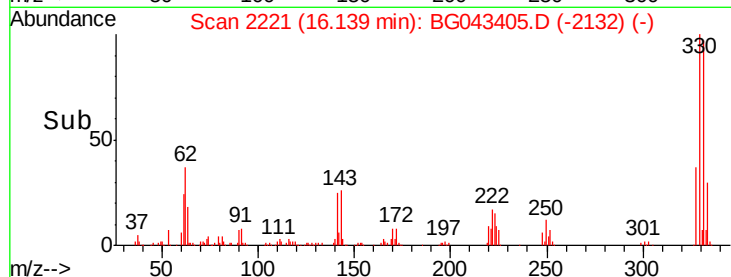
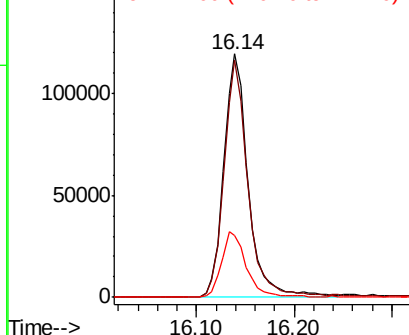
#42
 2,4,6-Tribromophenol
 Concen: 89.591 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043405.D
 Acq: 30 Oct 2019 17:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	Resp	206830
Ion Ratio	100		
Lower	76.4		
Upper	114.6		
332	94.8		
141	27.5		
	21.4		
	32.0		

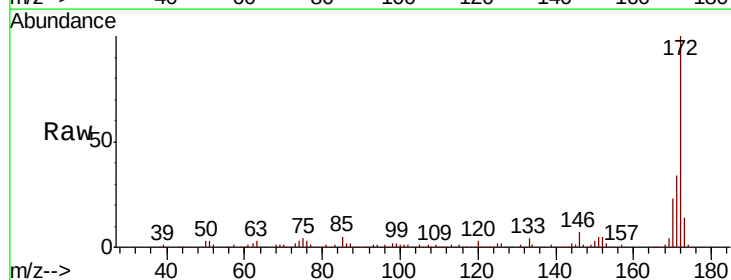


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

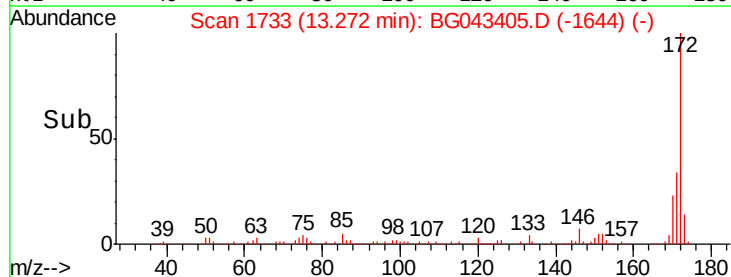
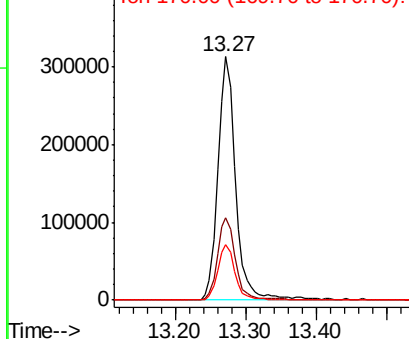


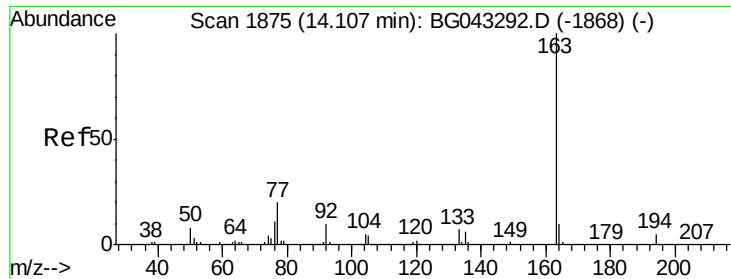
#45
 2-Fluorobiphenyl
 Concen: 62.233 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043405.D
 Acq: 30 Oct 2019 17:58

Tgt Ion	172	Resp	546363
Ion Ratio	100		
Lower	28.5		
Upper	42.7		
171	34.0		
170	22.5		
	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

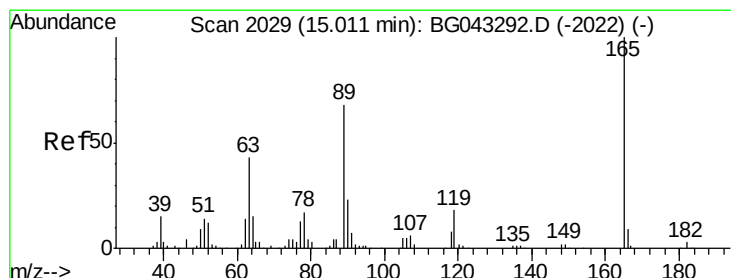
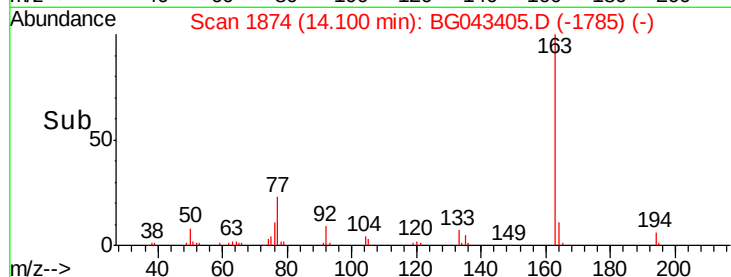
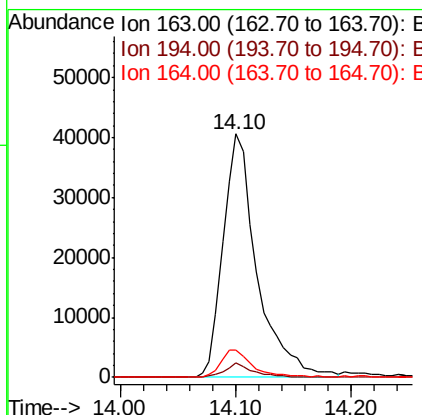
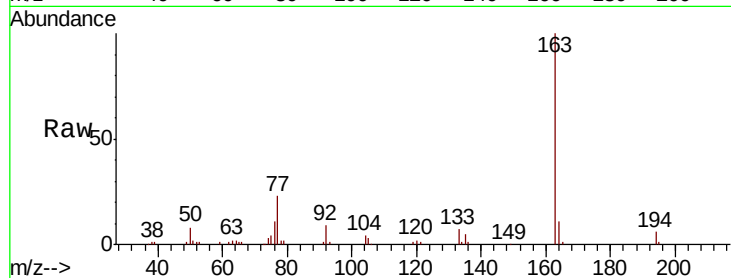




#50
Dimethylphthalate
Concen: 8.821 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043405.D
Acq: 30 Oct 2019 17:58

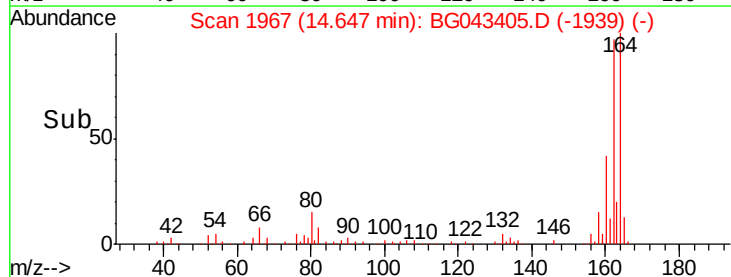
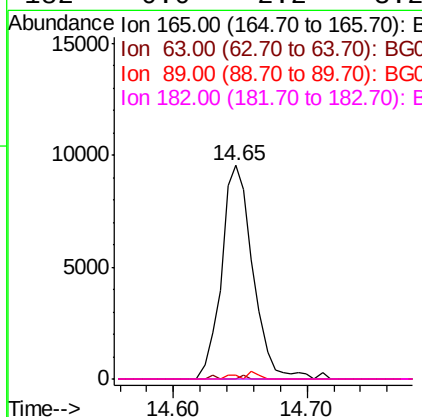
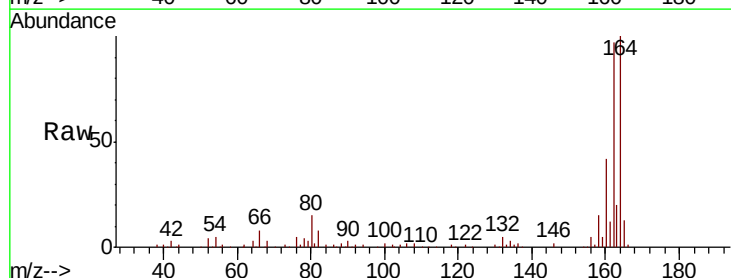
Instrument :
BNA_G
ClientSampleId :

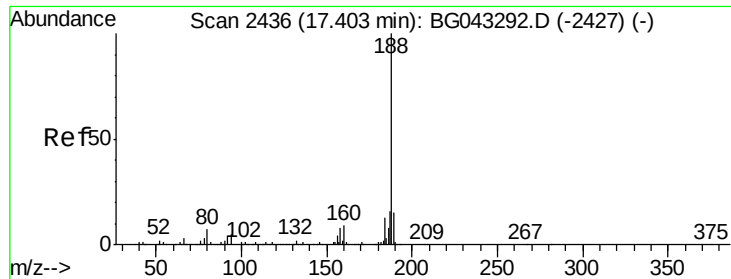
Tot Ion:163 Resp: 82884
Ion Ratio Lower Upper
163 100
194 5.8 3.7 5.5#
164 11.2 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 5.390 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.36 min
Lab File: BG043405.D
Acq: 30 Oct 2019 17:58

Tgt Ion:165 Resp: 15725
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.6#
89 1.6 54.1 81.1#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

Instrument :

BNA_G

ClientSampleId :

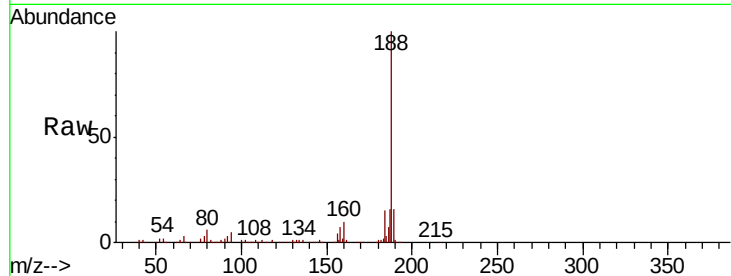
Tot Ion:188 Resp: 293789

Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.2

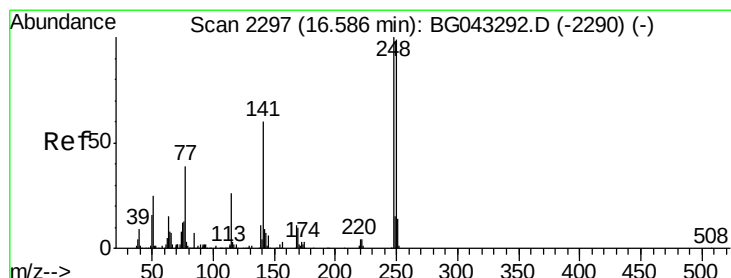
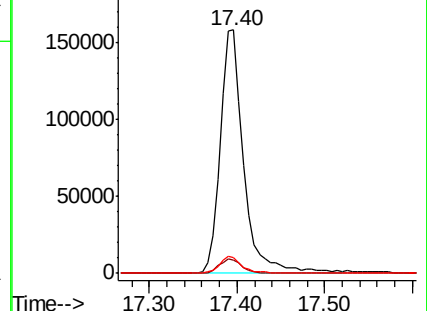
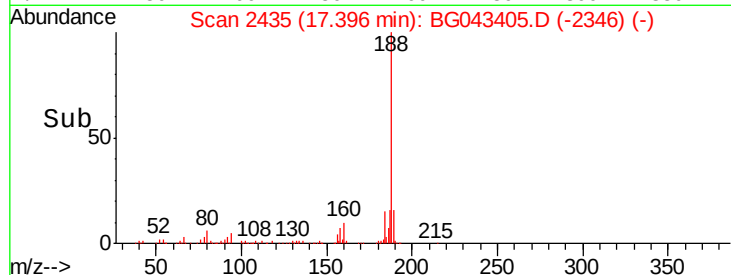
80 6.5 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.140 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

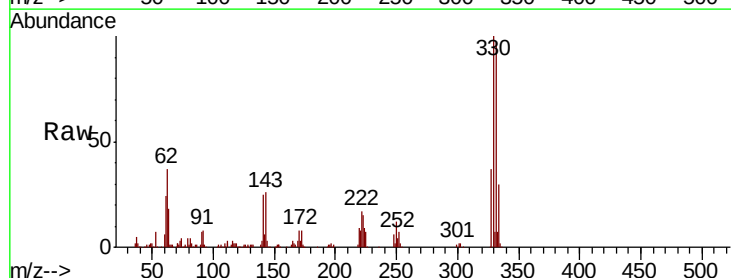
Tgt Ion:248 Resp: 12413

Ion Ratio Lower Upper

248 100

250 189.5 79.3 118.9#

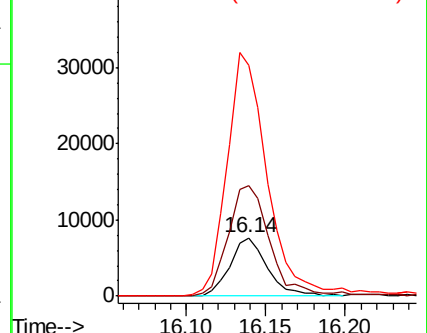
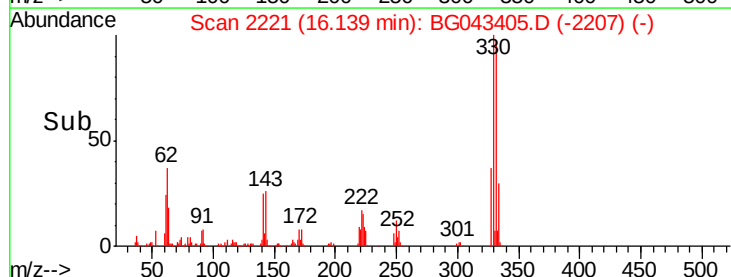
141 394.6 47.9 71.9#

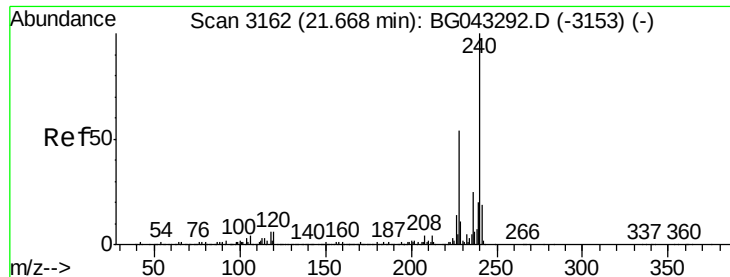


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3160

Delta R.T. -0.01 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

Instrument :

BNA_G

ClientSampleId :

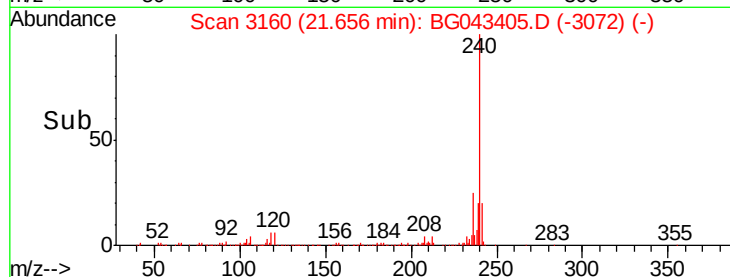
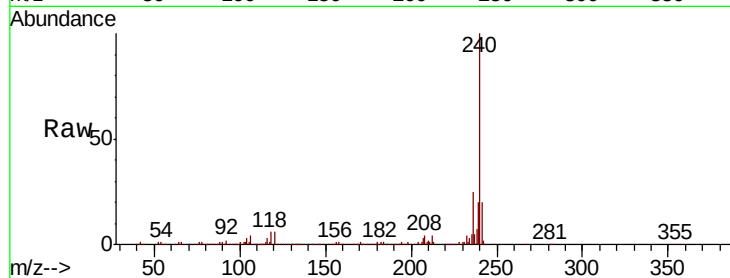
Tot Ion:240 Resp: 344516

Ion Ratio Lower Upper

240 100

120 5.8 4.6 7.0

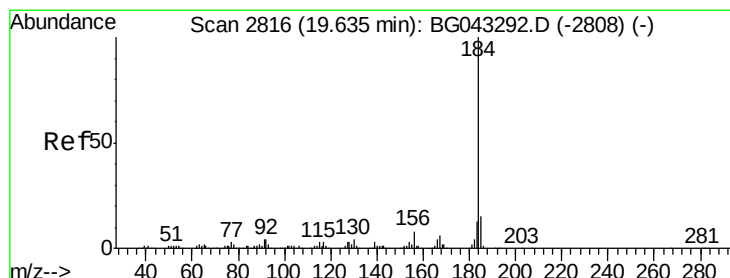
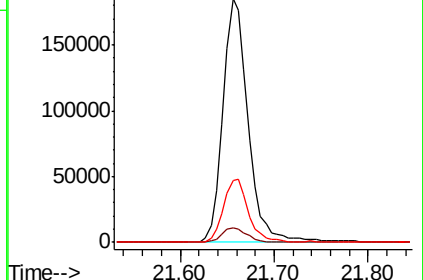
236 25.4 20.2 30.4



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: 2.482 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

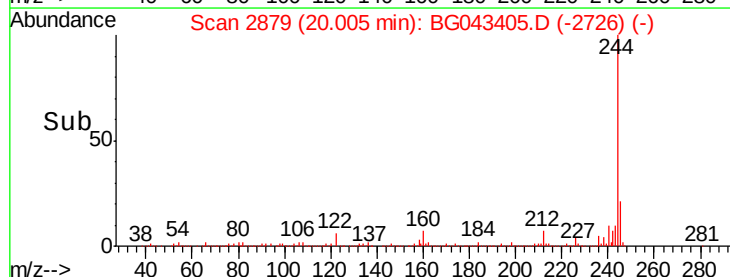
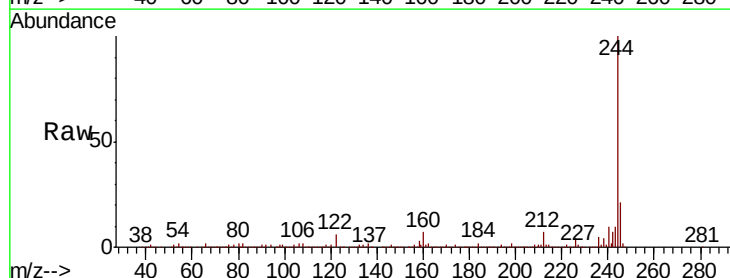
Tgt Ion:184 Resp: 17211

Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

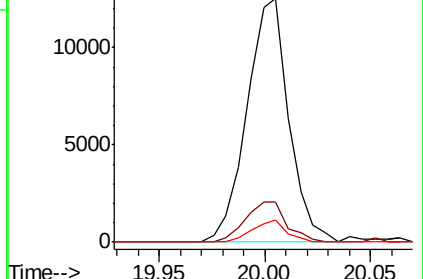
183 9.1 10.6 16.0#

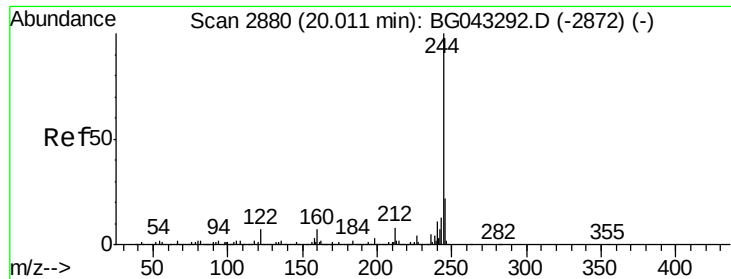


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 66.618 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

Instrument :

BNA_G

ClientSampled :

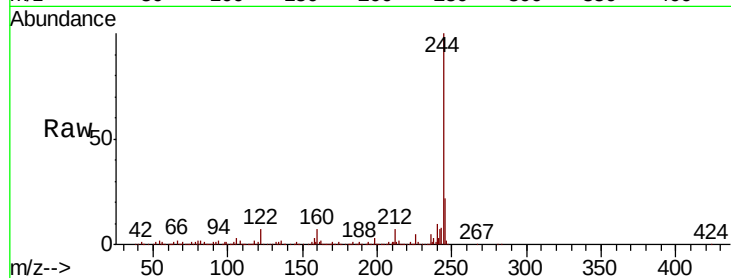
Tot Ion:244 Resp: 1223360

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

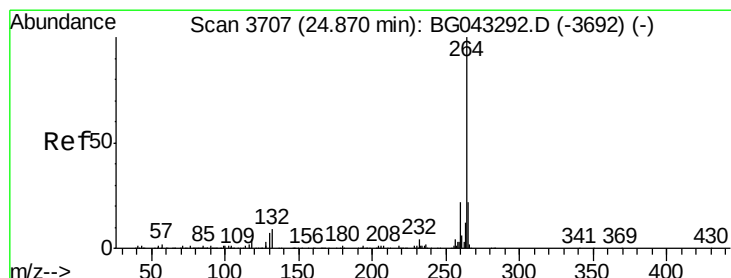
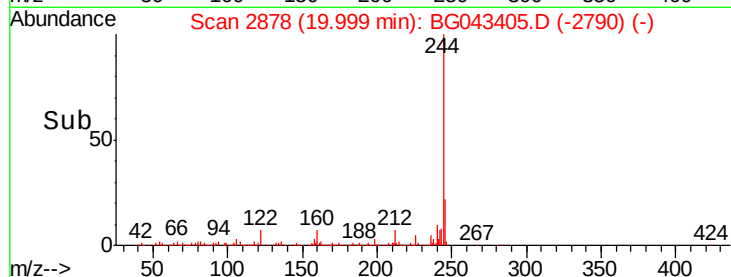
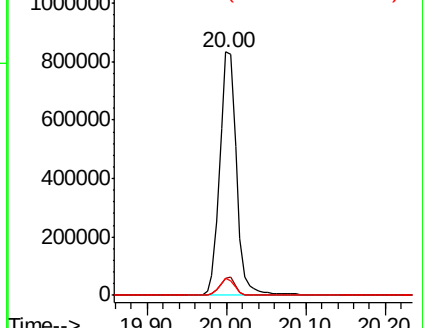
122 6.8 5.3 7.9



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

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.02 min

Lab File: BG043405.D

Acq: 30 Oct 2019 17:58

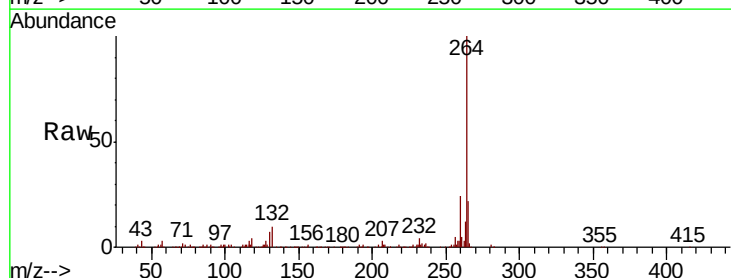
Tgt Ion:264 Resp: 403181

Ion Ratio Lower Upper

264 100

260 24.3 17.9 26.9

265 21.8 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

