

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043416.D
 Acq On : 31 Oct 2019 1:04
 Operator : JU
 Sample : K5599-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:12:29 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	8.03	152	38118	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	136845	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	113544	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	269270	20.00	ng	0.00
76) Chrysene-d12	21.66	240	312372	20.00	ng	-0.01
87) Perylene-d12	24.85	264	364438	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	173003	83.17	ng	0.00
7) Phenol-d6	7.20	99	244555	81.71	ng	0.00
23) Nitrobenzene-d5	9.18	82	143859	54.20	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	150371	69.59	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	422221	51.38	ng	0.00
79) Terphenyl-d14	20.00	244	925689	55.60	ng	-0.01

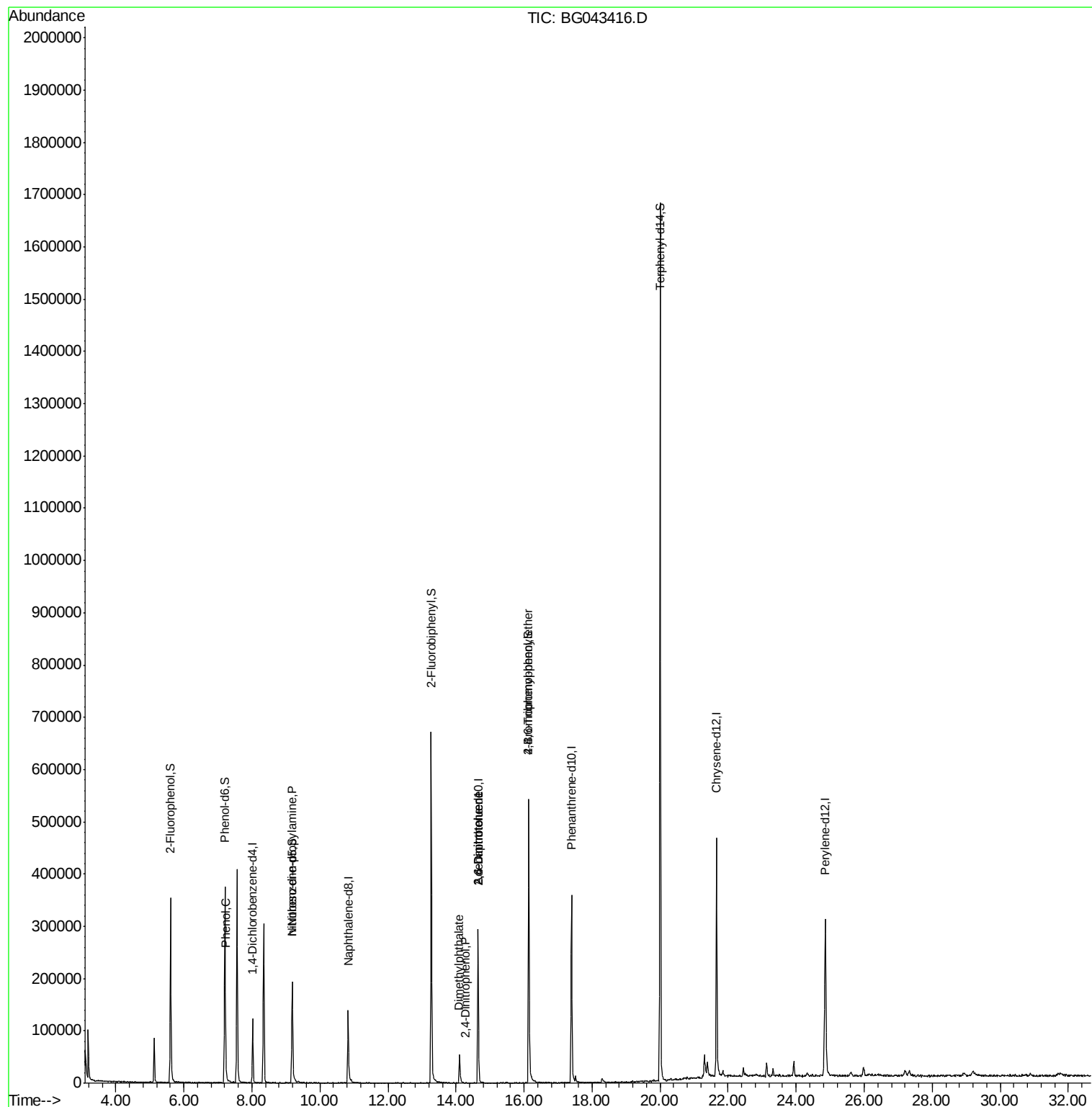
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	5978	2.186	ng	# 52
19) n-Nitroso-di-n-propylamine	9.18	70	20689	10.698	ng	# 76
50) Dimethylphthalate	14.10	163	55288	6.286	ng	# 98
51) 2,6-Dinitrotoluene	14.65	165	15945	8.345	ng	# 26
54) 2,4-Dinitrophenol	14.28	184	55	7.325	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	15945	5.840	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	9796	2.703	ng	# 1

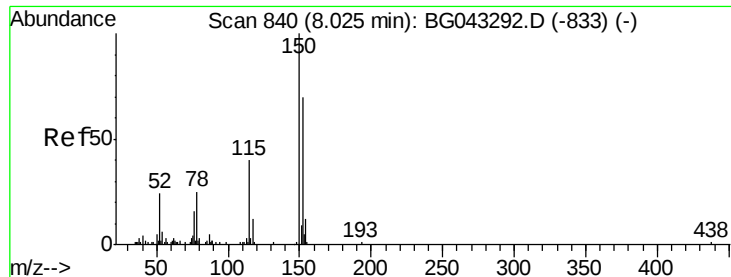
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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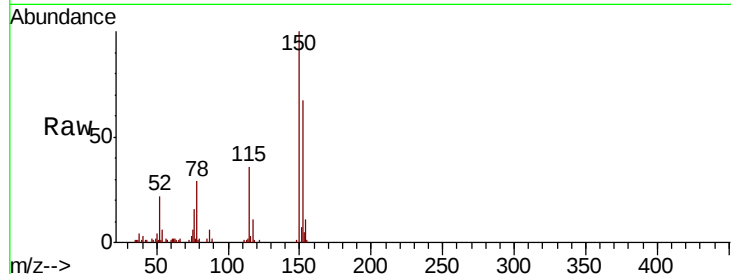


#1

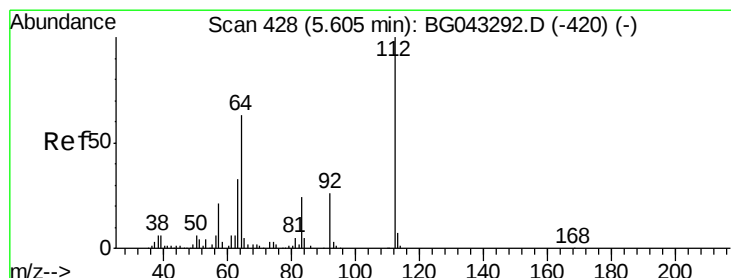
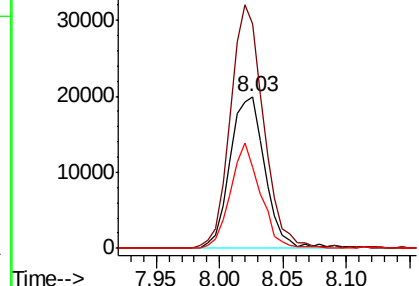
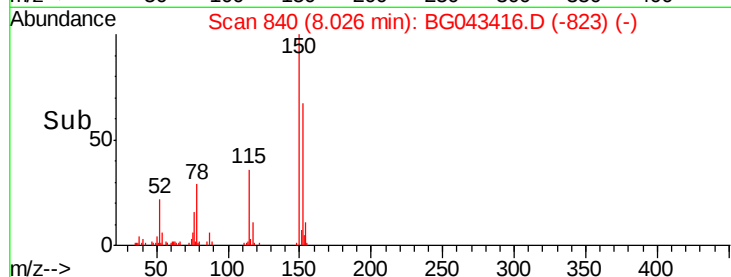
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG043416.D
Acq: 31 Oct 2019 1:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.3	113.6	170.4
115	53.8	45.9	68.9



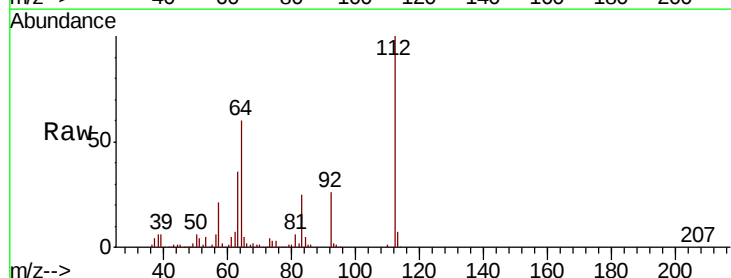
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



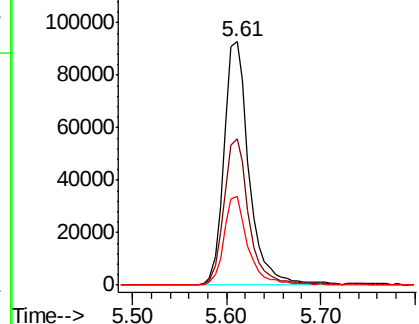
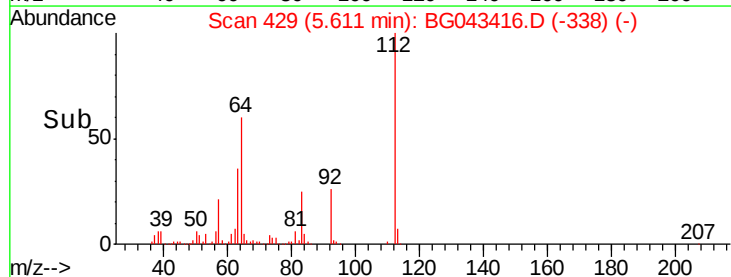
#5

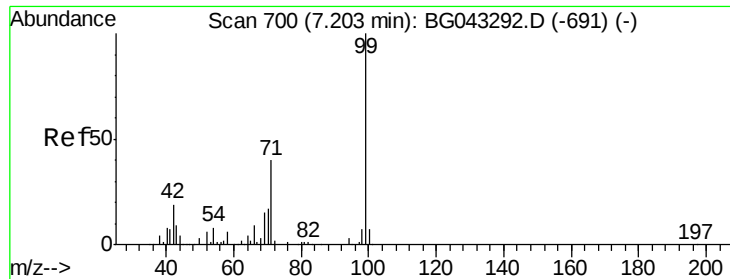
2-Fluorophenol
Concen: 83.168 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043416.D
Acq: 31 Oct 2019 1:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	50.2	75.2
63	36.3	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: 81.712 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

Instrument :

BNA_G

ClientSampleId :

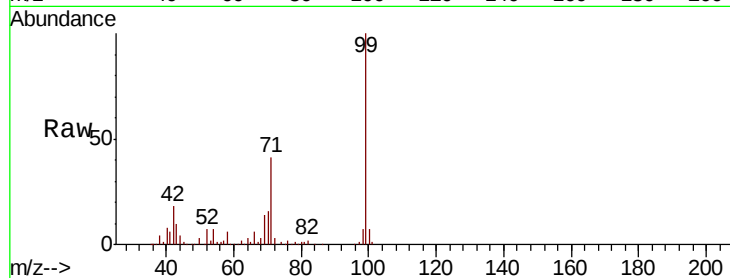
Tot Ion: 99 Resp: 244555

Ion Ratio Lower Upper

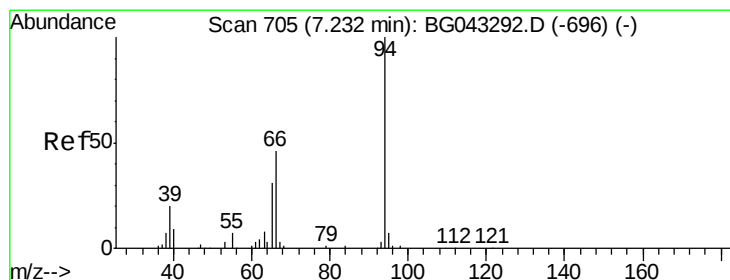
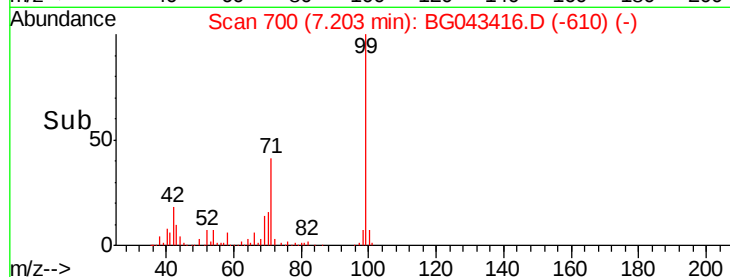
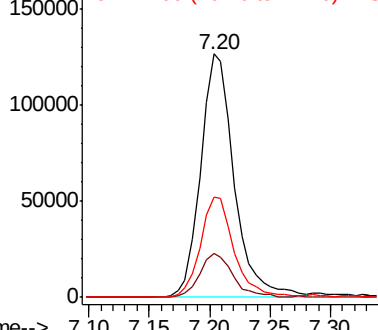
99 100

42 18.0 14.9 22.3

71 41.4 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: 2.186 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

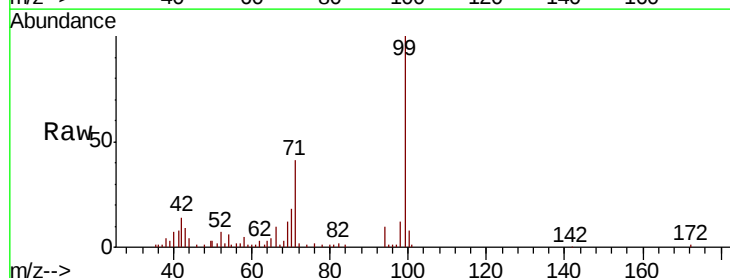
Tgt Ion: 94 Resp: 5978

Ion Ratio Lower Upper

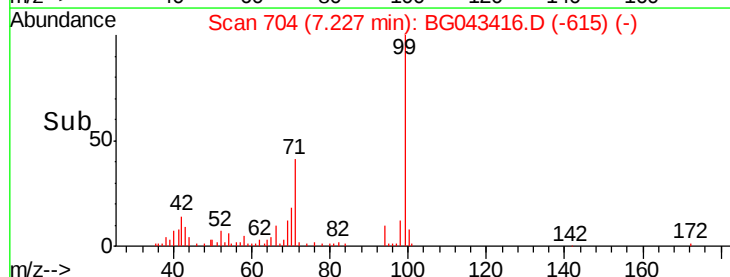
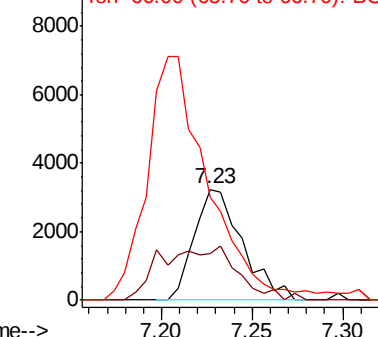
94 100

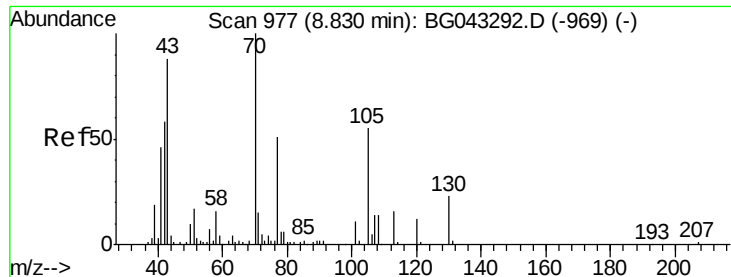
65 42.0 11.1 51.1

66 92.6 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: 10.698 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 20689

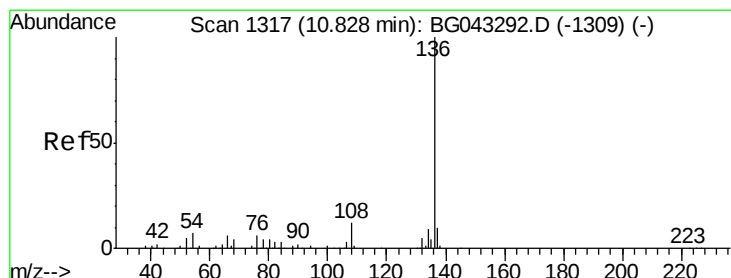
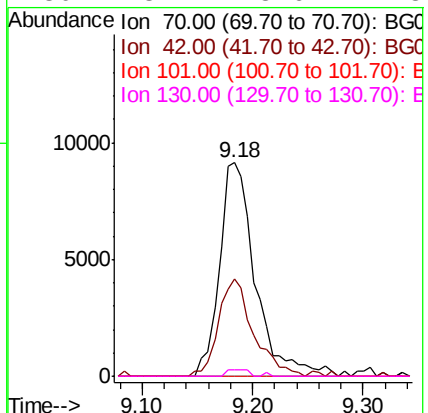
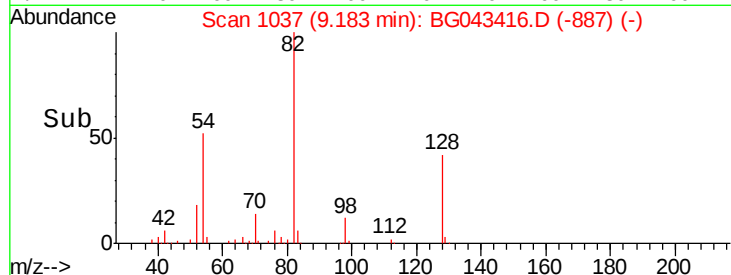
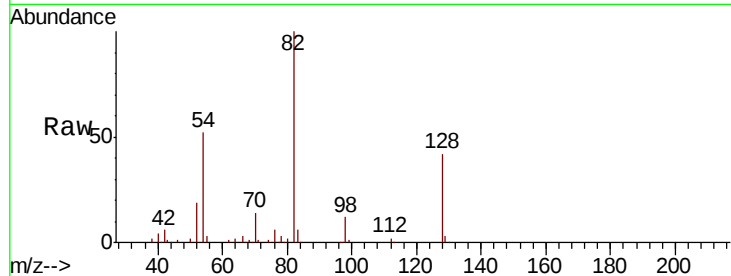
Ion Ratio Lower Upper

70 100

42 45.5 46.2 69.2#

101 0.0 8.6 13.0#

130 3.2 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: BG043416.D

Acq: 31 Oct 2019 1:04

Tgt Ion: 136 Resp: 136845

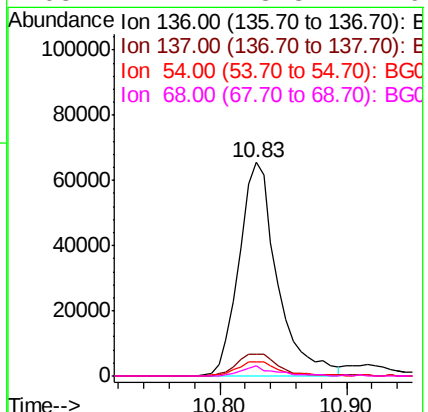
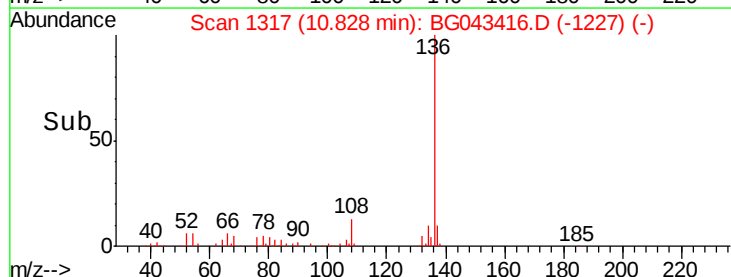
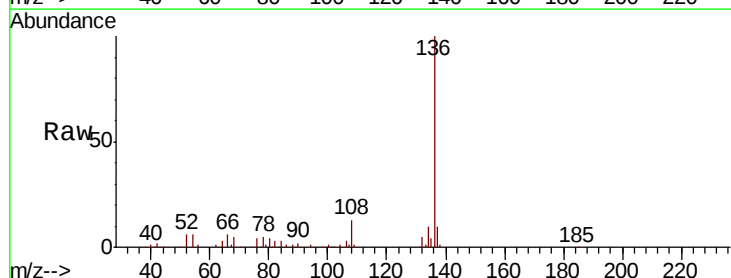
Ion Ratio Lower Upper

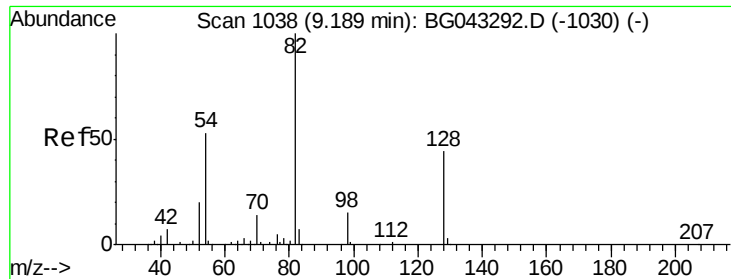
136 100

137 9.9 8.2 12.2

54 6.4 5.4 8.2

68 4.7 3.3 4.9

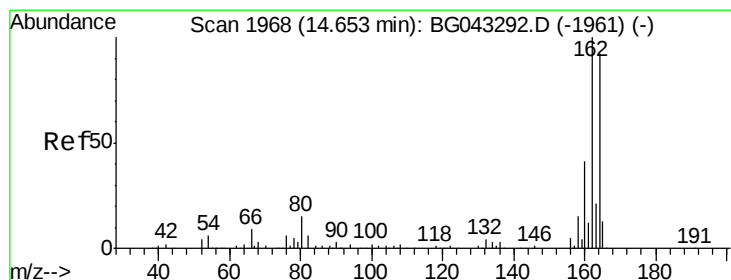
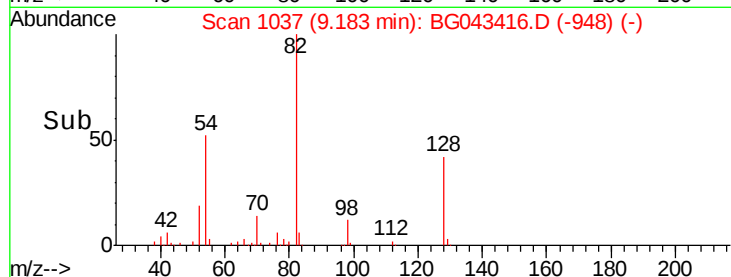
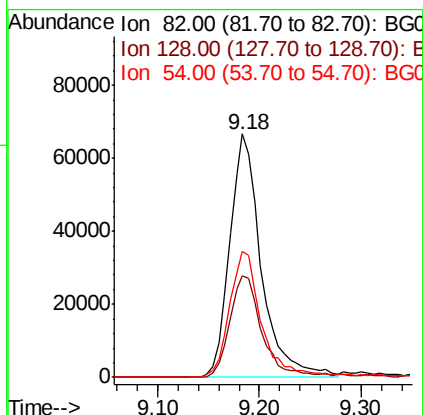
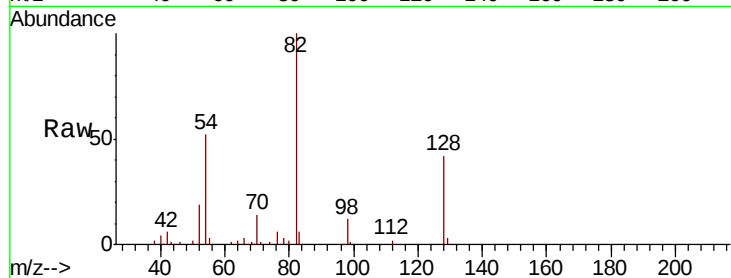




#23
Nitrobenzene-d5
Concen: 54.197 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043416.D
Acq: 31 Oct 2019 1:04

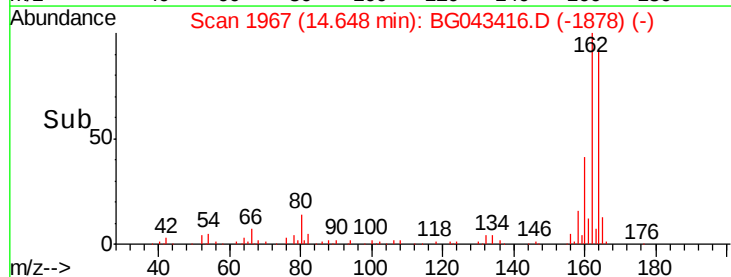
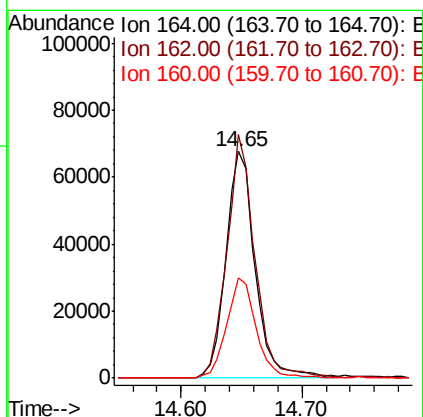
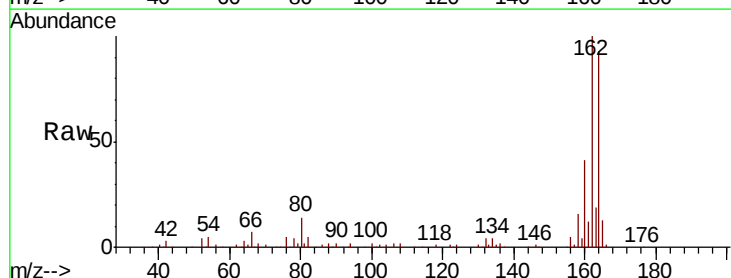
Instrument :
BNA_G
ClientSampled :

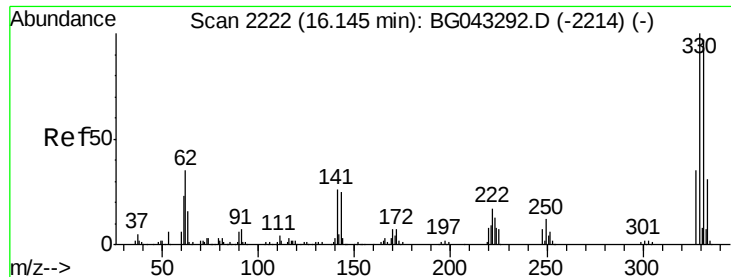
Tot Ion	82	Resp	143859
Ion Ratio	Lower	Upper	
82	100		
128	41.7	35.3	52.9
54	51.6	42.3	63.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG043416.D
Acq: 31 Oct 2019 1:04

Tgt Ion	164	Resp	113544
Ion Ratio	Lower	Upper	
164	100		
162	107.4	87.0	130.4
160	44.1	35.5	53.3

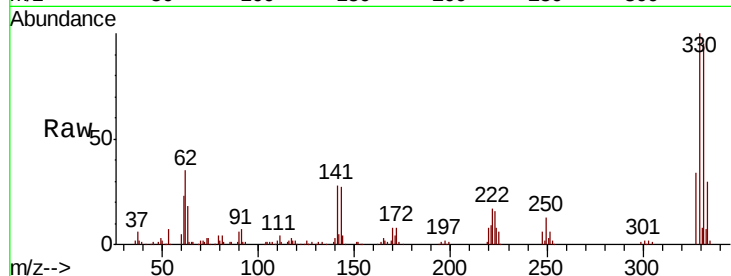




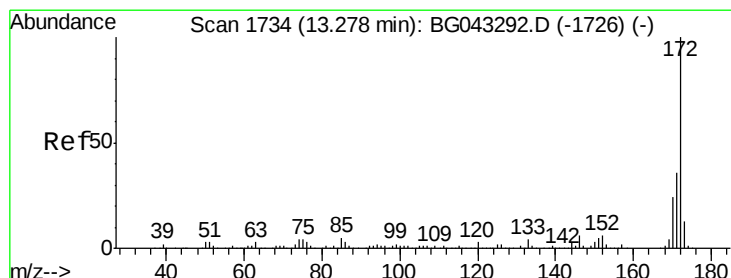
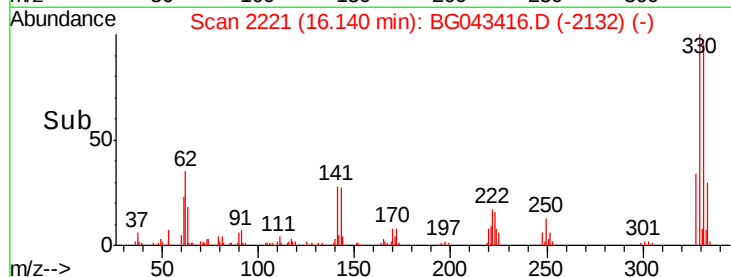
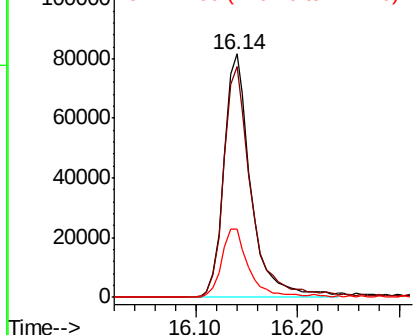
#42
 2,4,6-Tribromophenol
 Concen: 69.592 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043416.D
 Acq: 31 Oct 2019 1:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 150371
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.4 114.6
 141 28.8 21.4 32.0

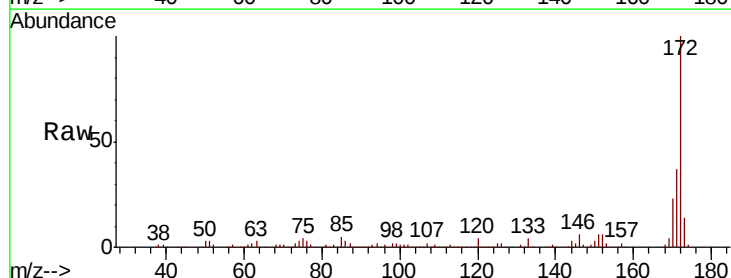


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

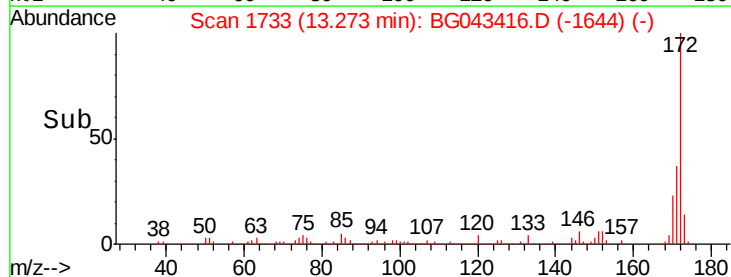
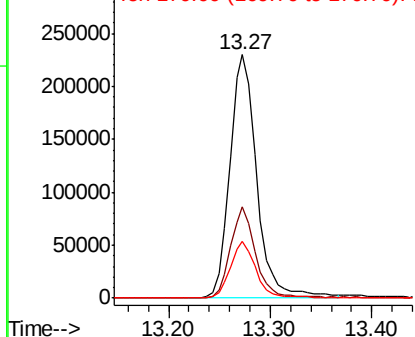


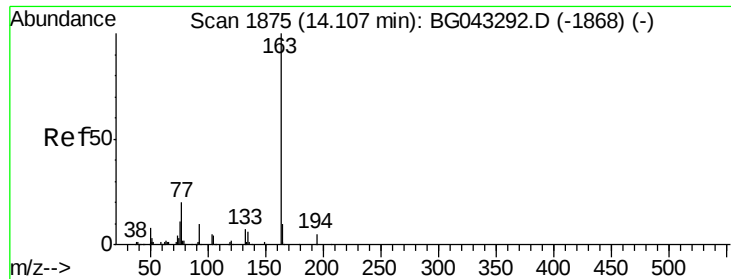
#45
 2-Fluorobiphenyl
 Concen: 51.383 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043416.D
 Acq: 31 Oct 2019 1:04

Tgt Ion:172 Resp: 422221
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.5 42.7
 170 23.3 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

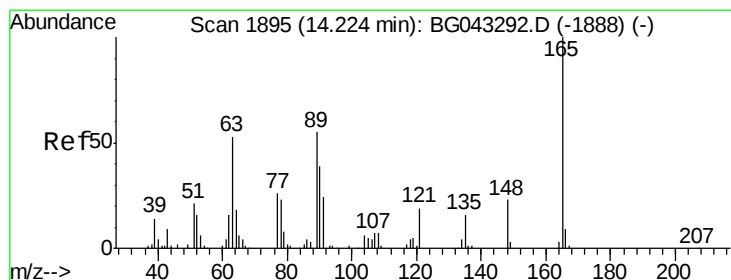
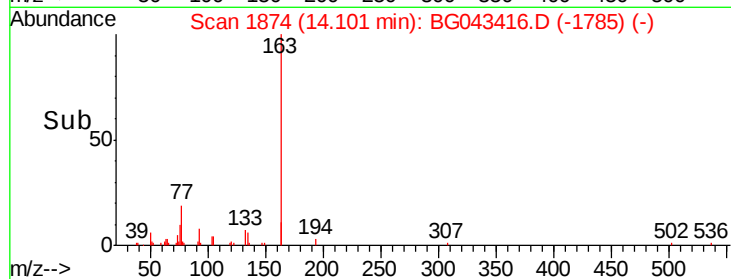
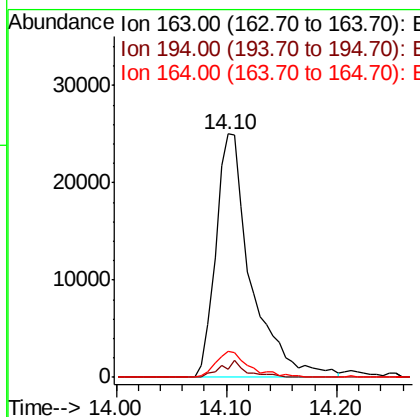
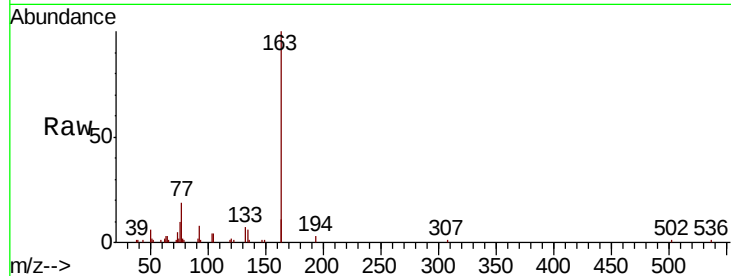




#50
Dimethylphthalate
Concen: 6.286 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043416.D
Acq: 31 Oct 2019 1:04

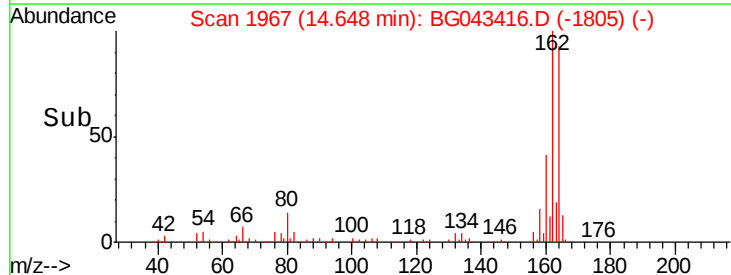
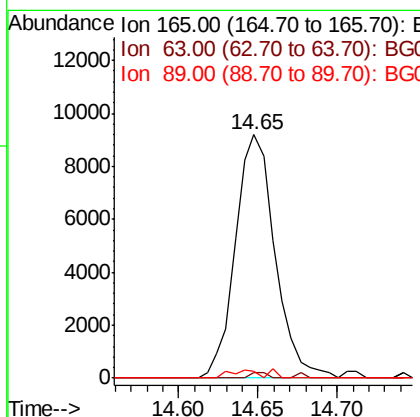
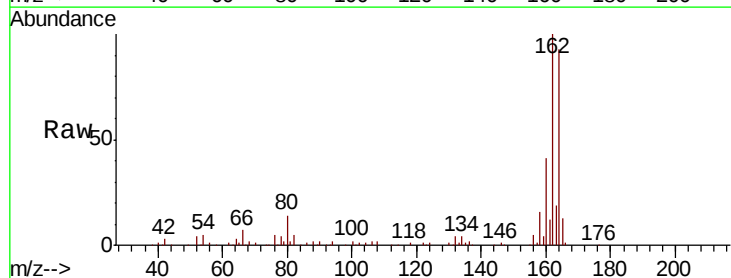
Instrument :
BNA_G
ClientSampleId :

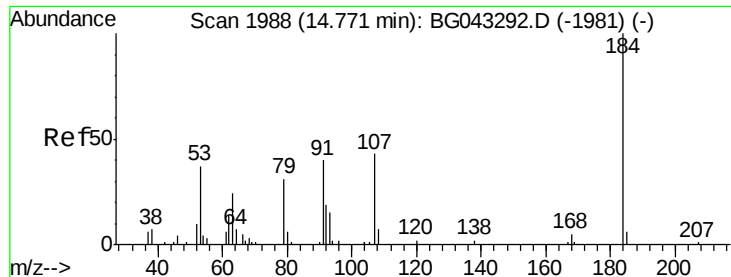
Tot Ion:163 Resp: 55288
Ion Ratio Lower Upper
163 100
194 3.4 3.7 5.5#
164 10.6 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 8.345 ng
RT: 14.65 min Scan# 1967
Delta R.T. 0.42 min
Lab File: BG043416.D
Acq: 31 Oct 2019 1:04

Tgt Ion:165 Resp: 15945
Ion Ratio Lower Upper
165 100
63 2.3 47.1 70.7#
89 2.5 43.7 65.5#

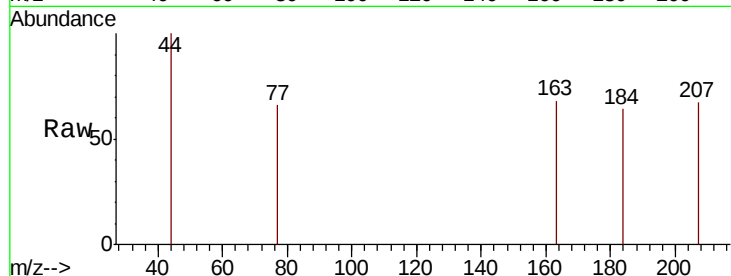




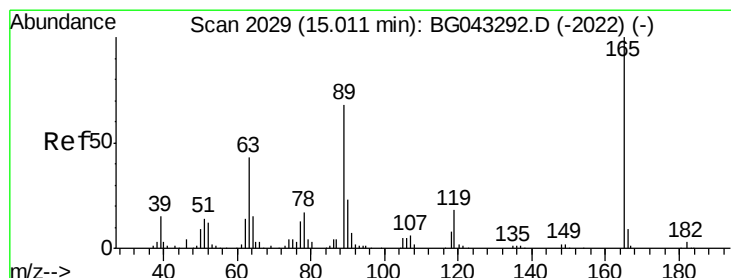
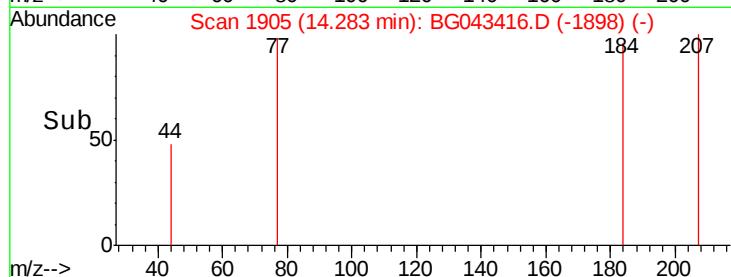
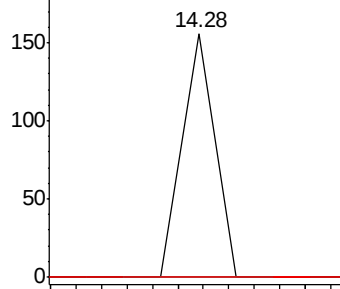
#54
 2,4-Dinitrophenol
 Concen: 7.325 ng
 RT: 14.28 min Scan# 1905
 Delta R.T. -0.49 min
 Lab File: BG043416.D
 Acq: 31 Oct 2019 1:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 48.8 73.2#
 154 0.0 49.4 74.0#

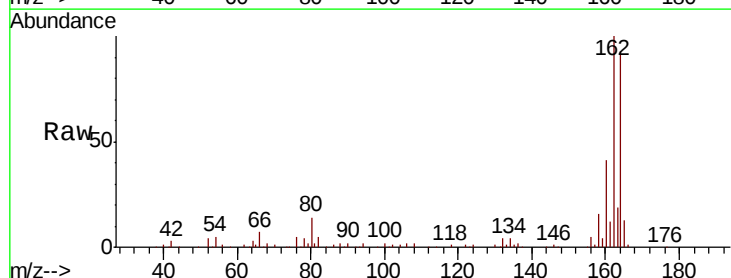


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

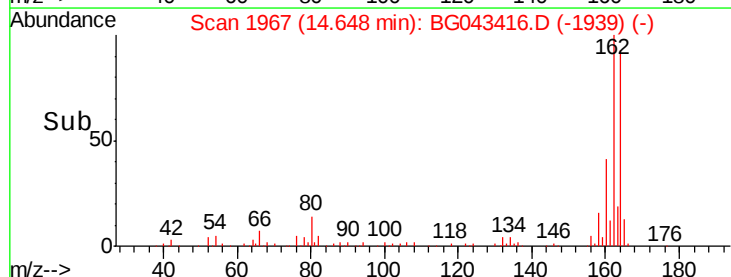
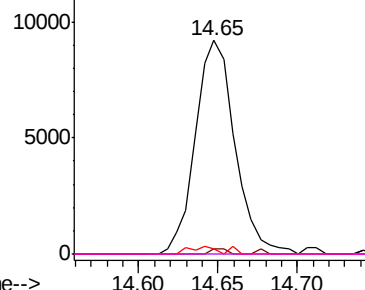


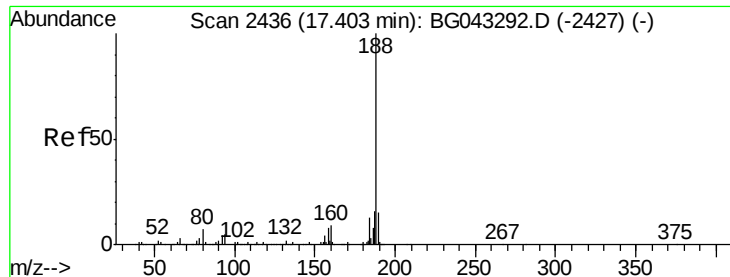
#57
 2,4-Dinitrotoluene
 Concen: 5.840 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043416.D
 Acq: 31 Oct 2019 1:04

Tgt Ion:165 Resp: 15945
 Ion Ratio Lower Upper
 165 100
 63 2.3 35.0 52.6#
 89 2.5 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): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

Instrument :

BNA_G

ClientSampleId :

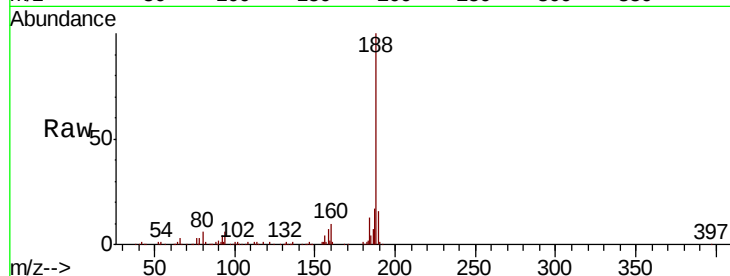
Tot Ion:188 Resp: 269270

Ion Ratio Lower Upper

188 100

94 5.6 4.2 6.2

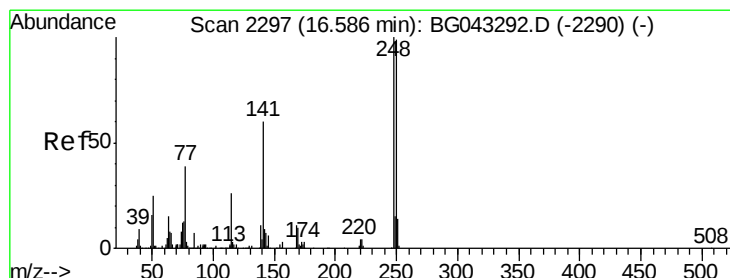
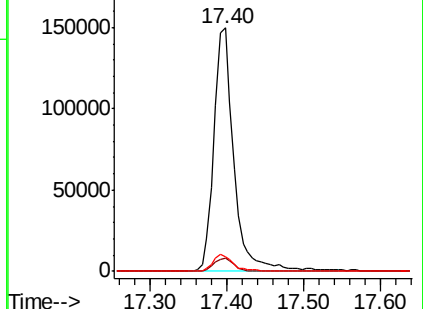
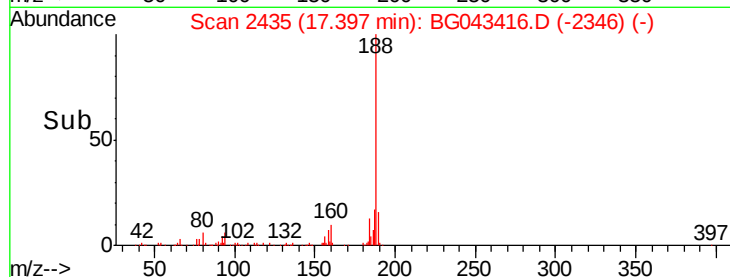
80 6.2 5.2 7.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.703 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.45 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

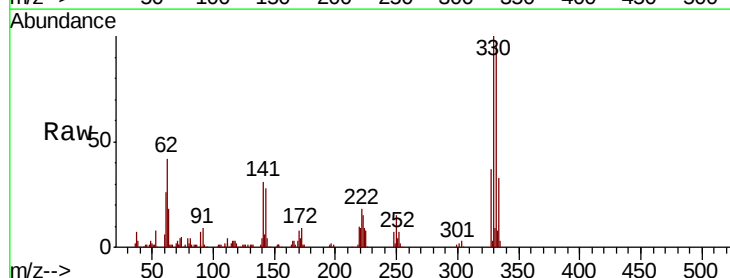
Tgt Ion:248 Resp: 9796

Ion Ratio Lower Upper

248 100

250 216.3 79.3 118.9#

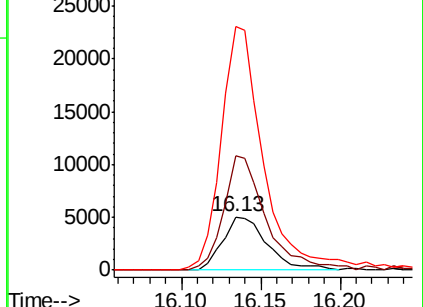
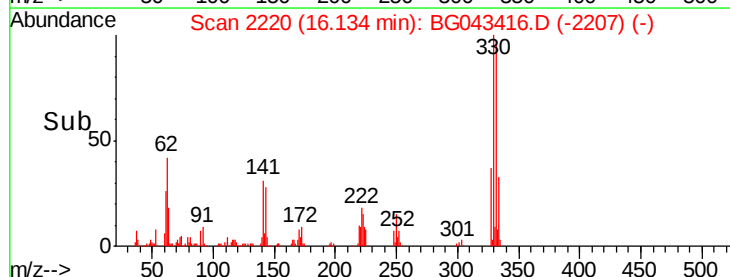
141 460.2 47.9 71.9#

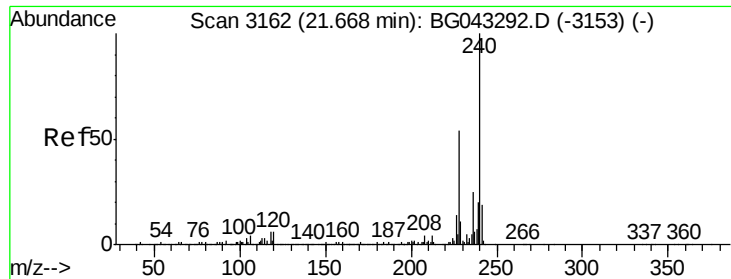


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3160

Delta R.T. -0.01 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

Instrument :

BNA_G

ClientSampleId :

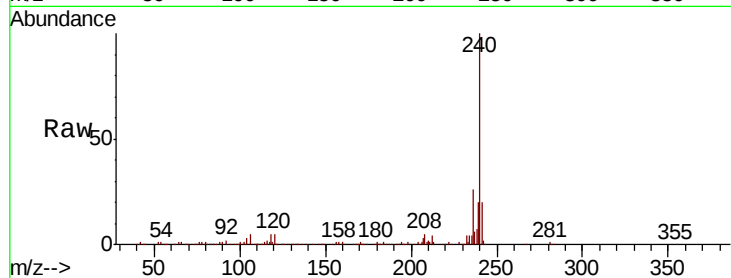
Tot Ion:240 Resp: 312372

Ion Ratio Lower Upper

240 100

120 5.4 4.6 7.0

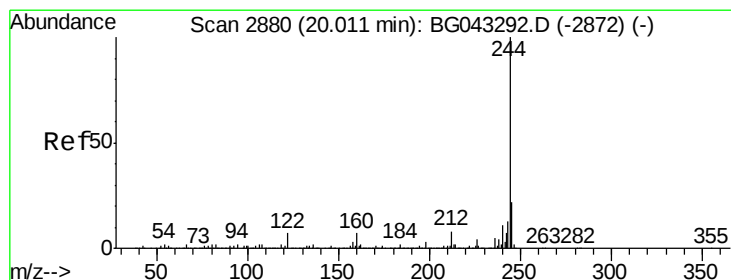
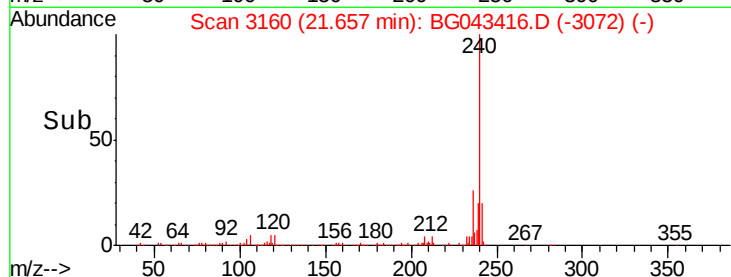
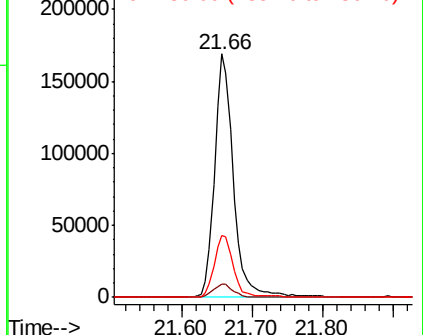
236 25.6 20.2 30.4



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



#79

Terphenyl-d14

Concen: 55.595 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG043416.D

Acq: 31 Oct 2019 1:04

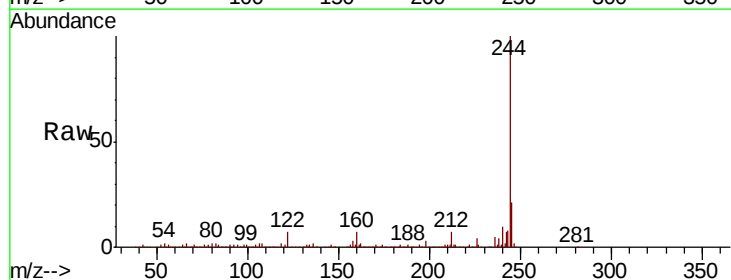
Tgt Ion:244 Resp: 925689

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

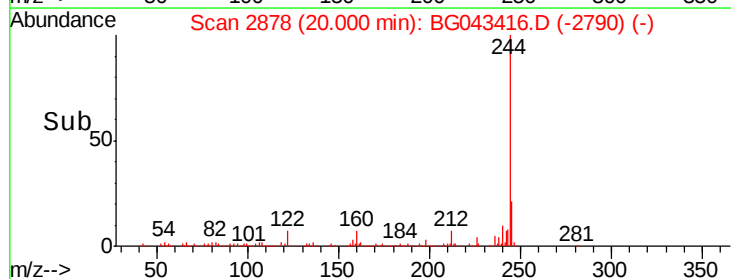
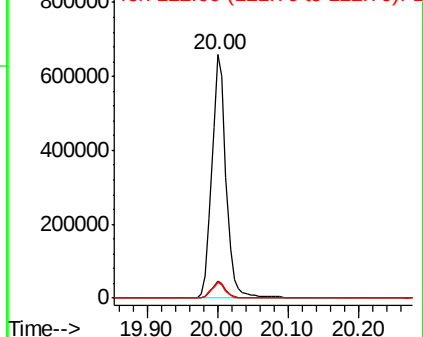
122 6.5 5.3 7.9

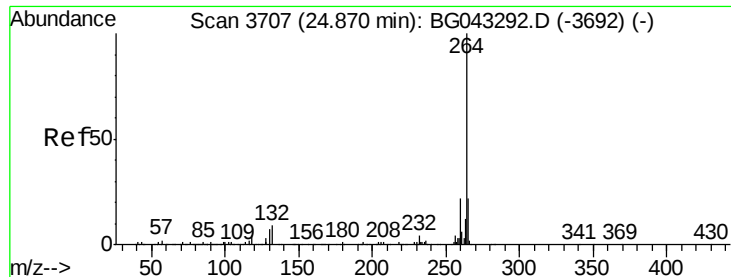


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG043416.D
Acq: 31 Oct 2019 1:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.4	17.9	26.9	
265	22.1	17.4	26.2	

