

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044506.D
 Acq On : 20 Feb 2020 1:58
 Operator : CG/JU
 Sample : L1575-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 20 07:19:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

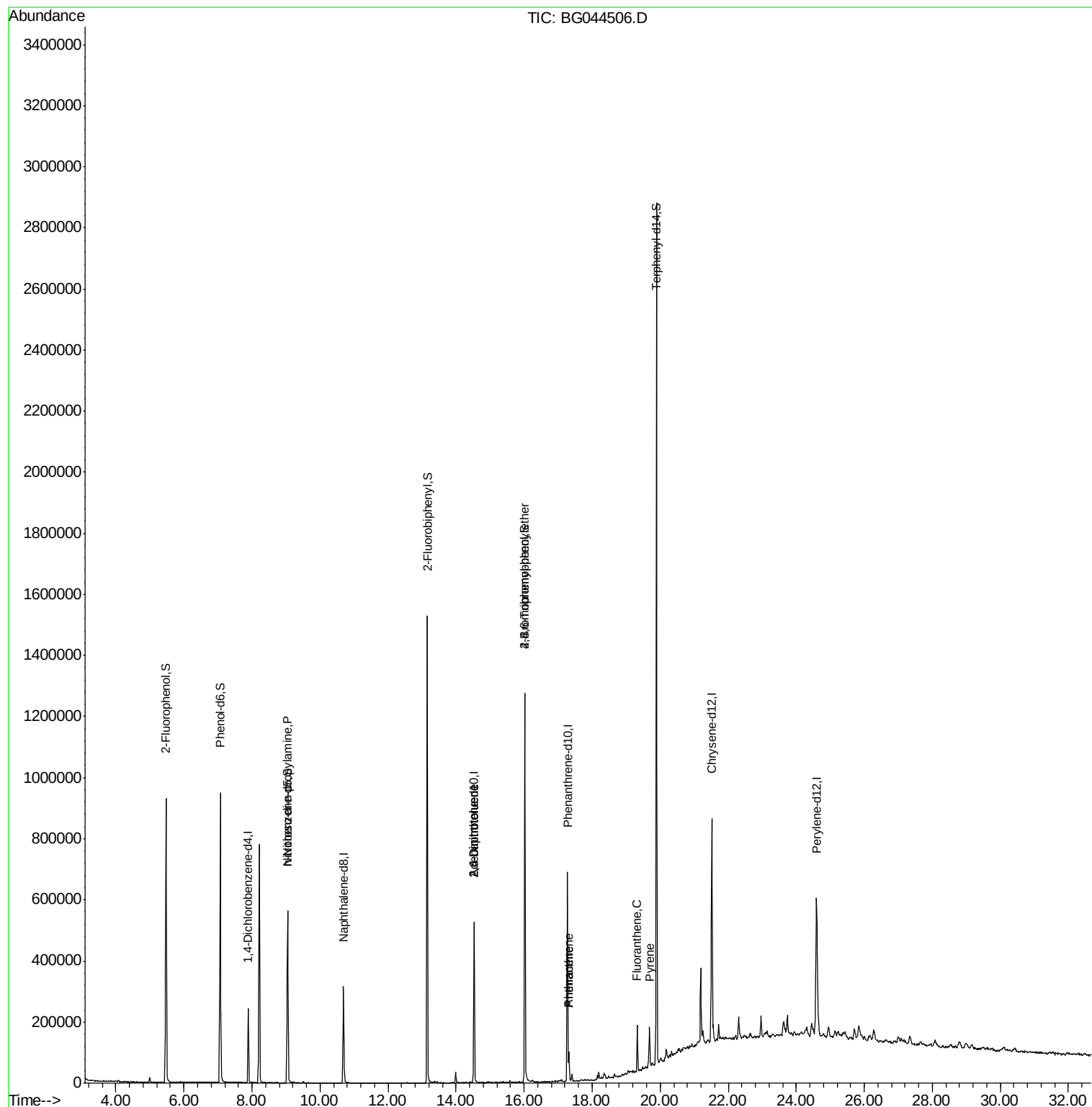
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	73916	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	305202	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	199490	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	448861	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	434075	20.00	ng	-0.02
87) Perylene-d12	24.60	264	464162	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	482022	115.09	ng	0.00
7) Phenol-d6	7.07	99	623017	110.77	ng	-0.01
23) Nitrobenzene-d5	9.05	82	372985	68.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	267648	114.29	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	867370	72.81	ng	-0.01
79) Terphenyl-d14	19.89	244	1368365	64.84	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	48683	12.988	ng	# 74
51) 2,6-Dinitrotoluene	14.53	165	26564	8.308	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	26564	5.928	ng	# 27
67) 4-Bromophenyl-phenylether	16.02	248	17661	3.611	ng	# 1
71) Phenanthrene	17.32	178	59807	2.752	ng	95
72) Anthracene	17.32	178	59807	2.783	ng	95
75) Fluoranthene	19.33	202	96545	3.840	ng	97
78) Pyrene	19.69	202	80607	2.892	ng	94

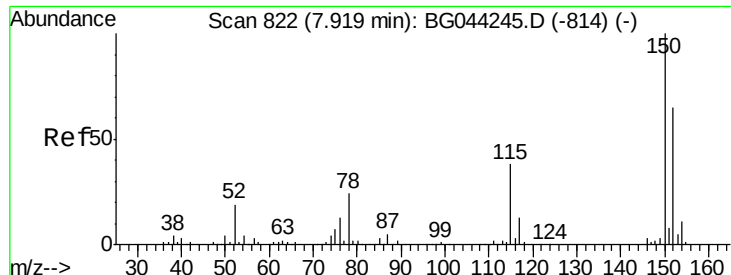
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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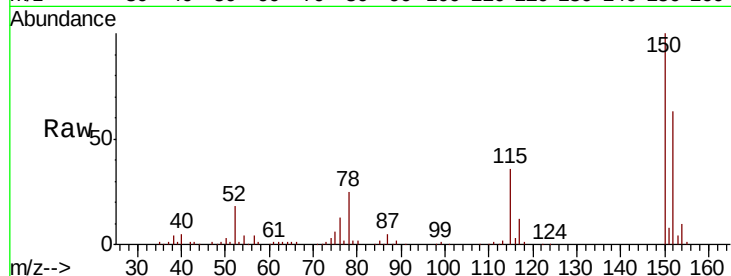


#1

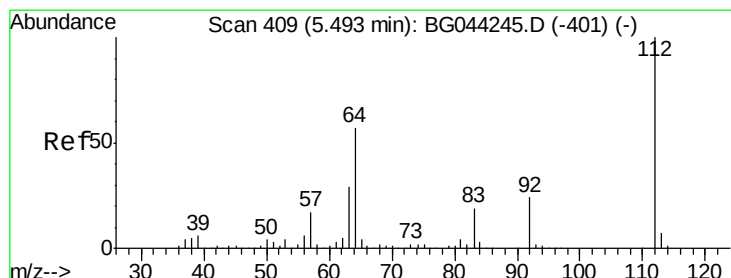
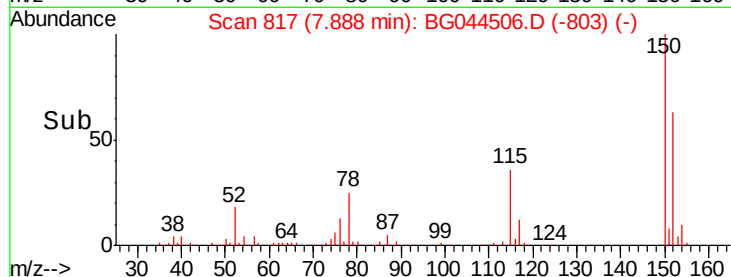
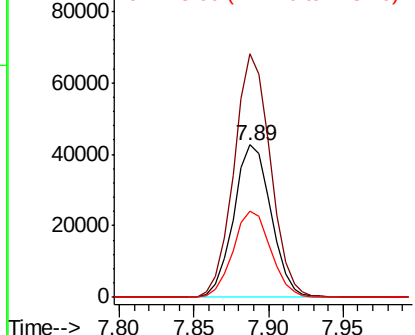
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 73916
Ion Ratio Lower Upper
152 100
150 159.9 122.6 183.8
115 56.9 46.0 69.0



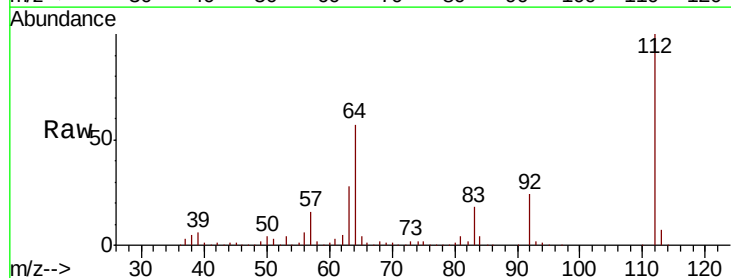
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



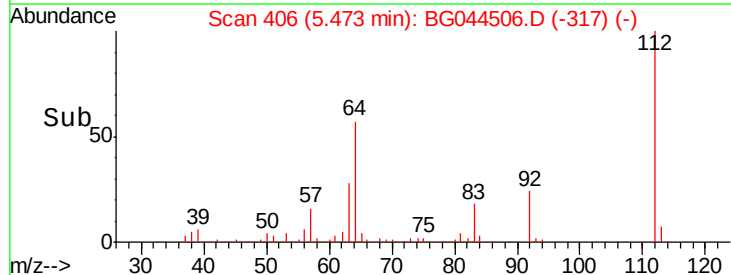
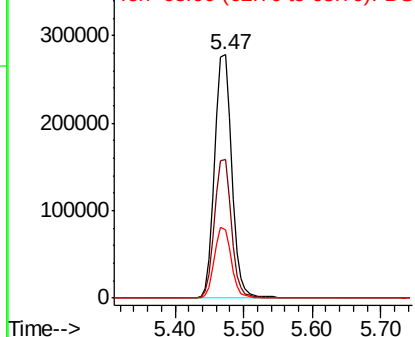
#5

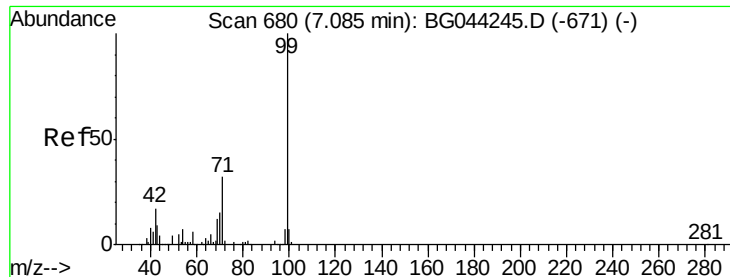
2-Fluorophenol
Concen: 115.089 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.01 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Tgt Ion:112 Resp: 482022
Ion Ratio Lower Upper
112 100
64 56.9 45.4 68.2
63 28.3 22.9 34.3



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: 110.775 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

Instrument :

BNA_G

ClientSampleId :

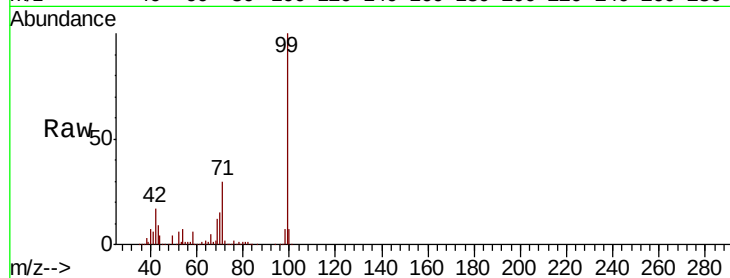
Tot Ion: 99 Resp: 623017

Ion Ratio Lower Upper

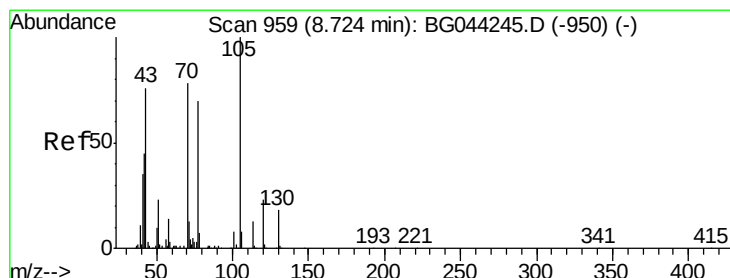
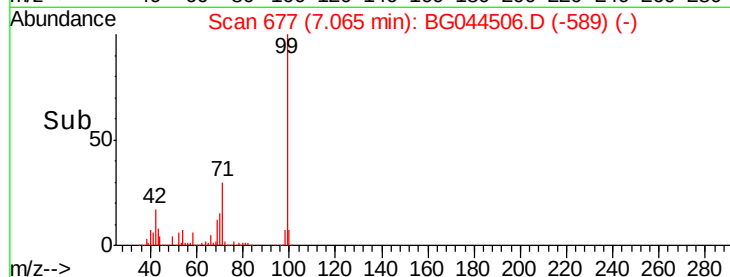
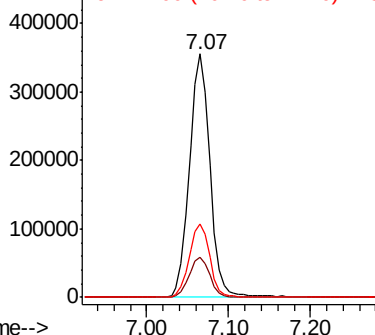
99 100

42 16.7 13.8 20.6

71 30.4 25.5 38.3



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: 12.988 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.33 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

Tgt Ion: 70 Resp: 48683

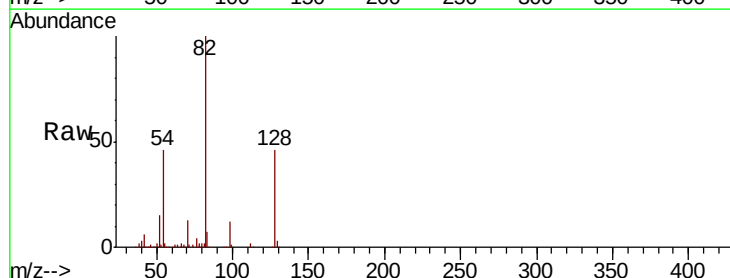
Ion Ratio Lower Upper

70 100

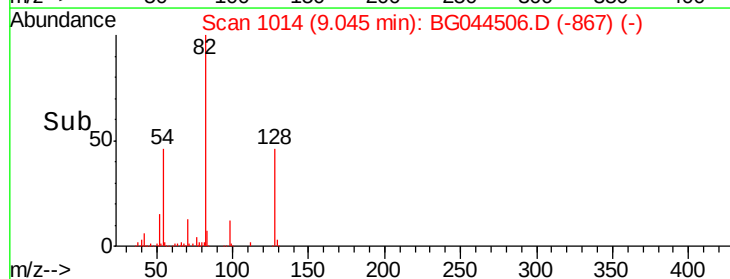
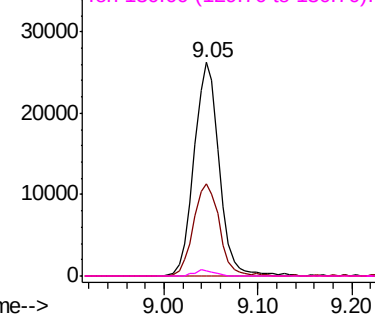
42 43.0 46.2 69.2#

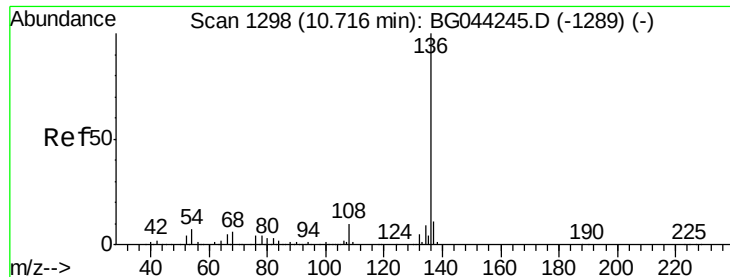
101 0.0 8.4 12.6#

130 2.6 17.8 26.8#



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

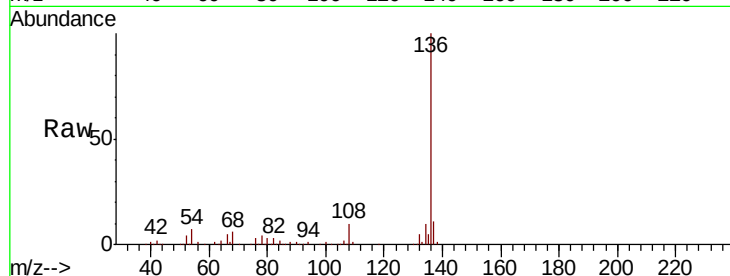




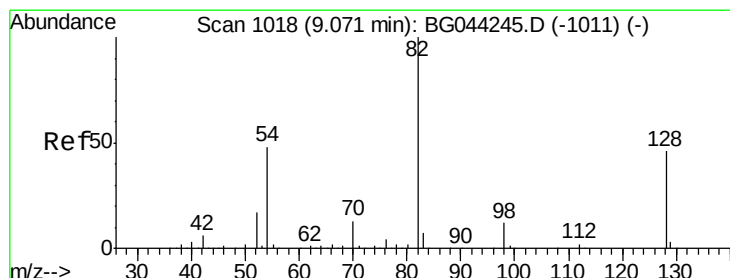
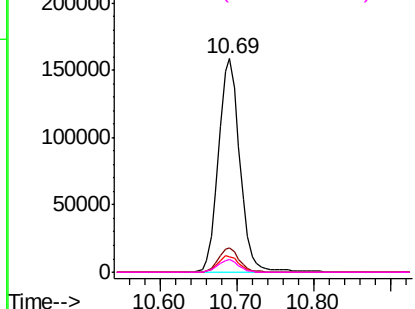
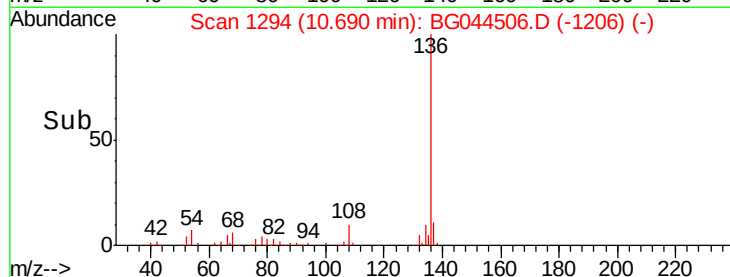
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	305202
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.8 13.2
54	7.3	5.8 8.8
68	5.7	4.6 6.8

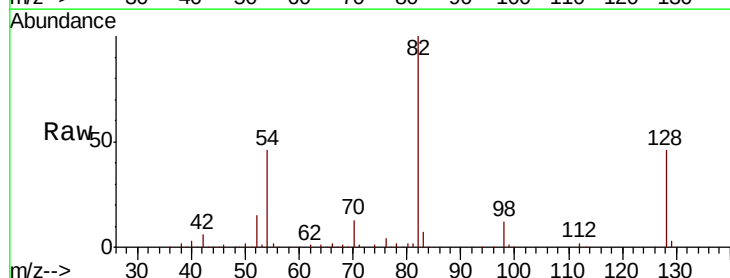


Abundance Ion 136.00 (135.70 to 136.70): E
250000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

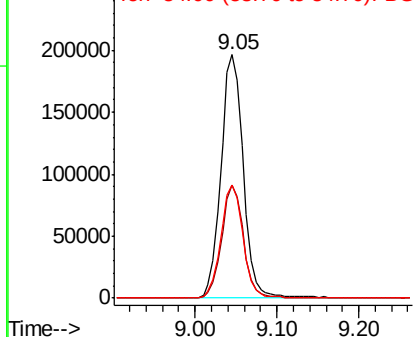
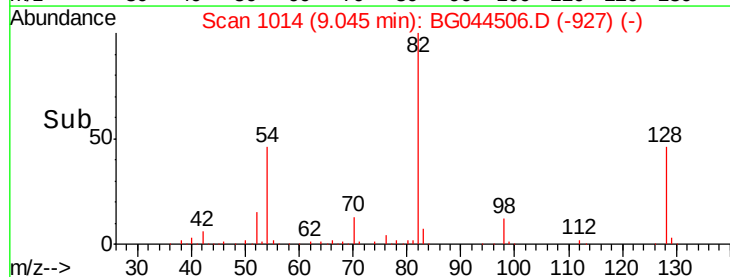


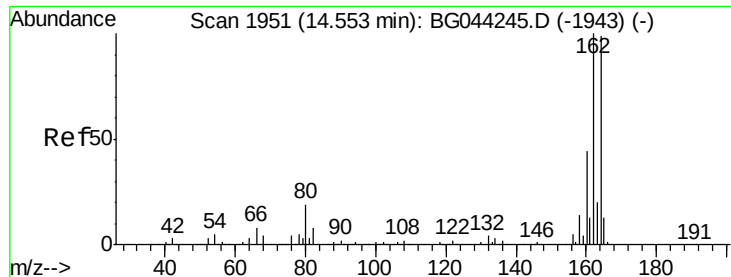
#23
Nitrobenzene-d5
Concen: 68.995 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Tgt Ion: 82	Resp:	372985
Ion	Ratio	Lower Upper
82	100	
128	46.4	36.5 54.7
54	46.4	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
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: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

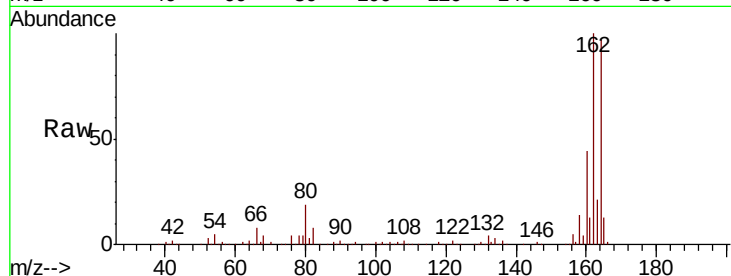
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 199490

Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.7	121.1
160	45.3	35.3	52.9



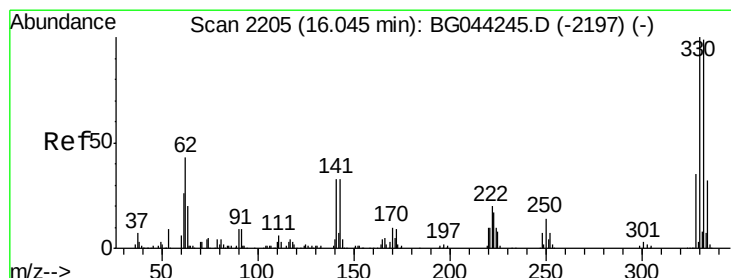
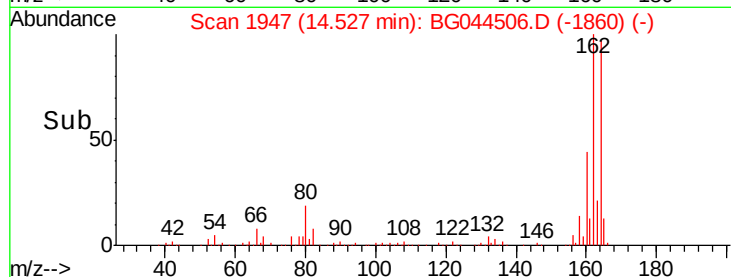
Abundance

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

Time-->



#42

2,4,6-Tribromophenol

Concen: 114.287 ng

RT: 16.02 min Scan# 2201

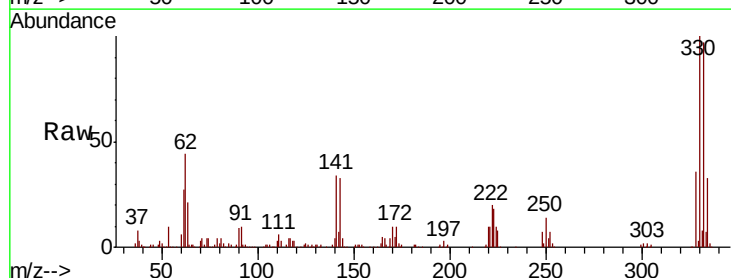
Delta R.T. -0.01 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

Tgt Ion:330 Resp: 267648

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.2	115.8
141	34.3	28.3	42.5



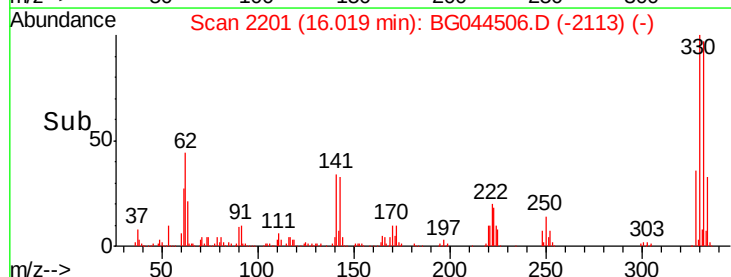
Abundance

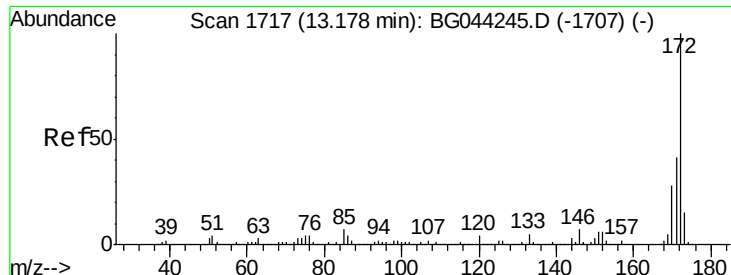
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->

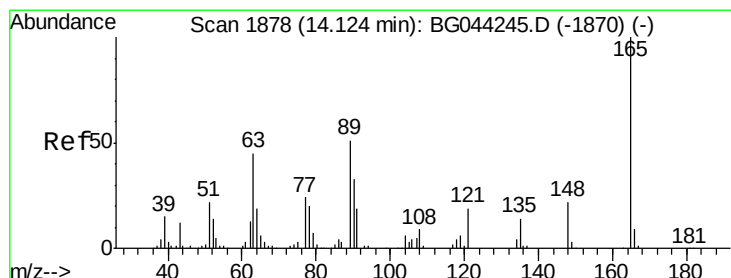
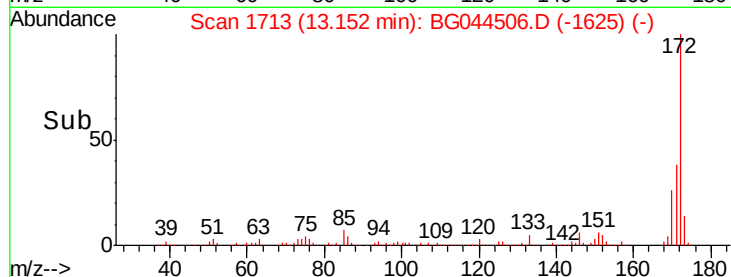
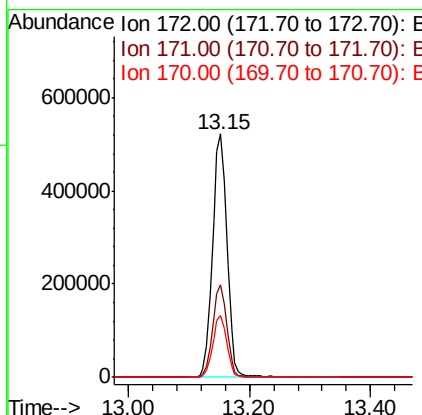
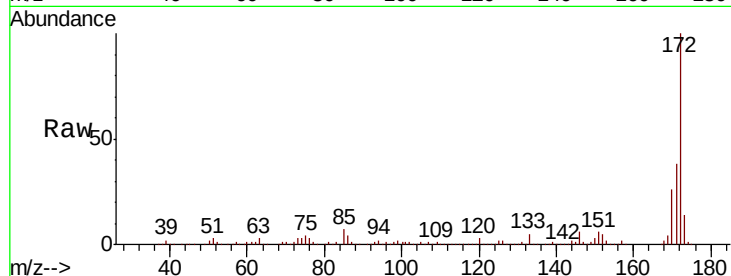




#45
 2-Fluorobiphenyl
 Concen: 72.809 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044506.D
 Acq: 20 Feb 2020 1:58

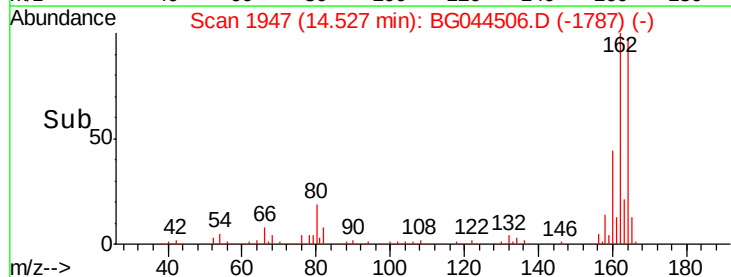
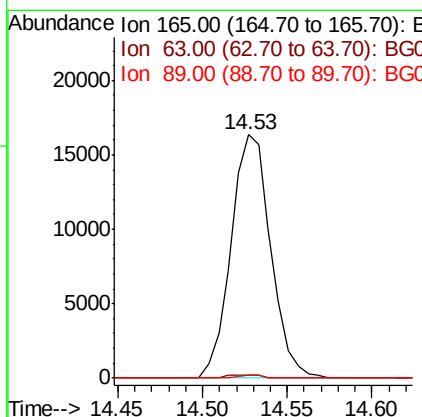
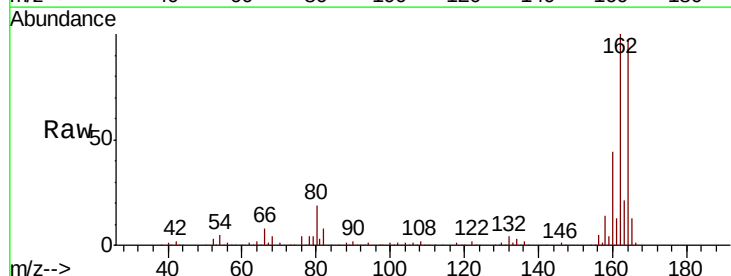
Instrument :
 BNA_G
 ClientSampleId :

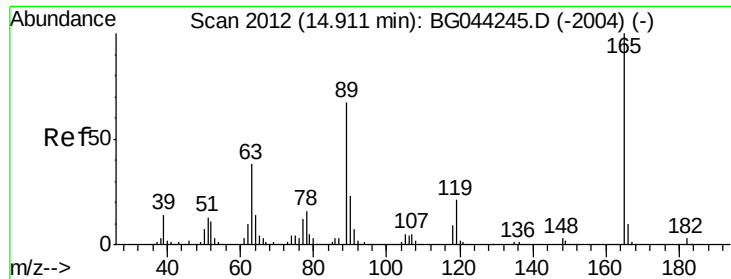
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	32.9	49.3
170	25.5	22.0	33.0



#51
 2,6-Dinitrotoluene
 Concen: 8.308 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044506.D
 Acq: 20 Feb 2020 1:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.7	58.1#
89	1.4	40.4	60.6#





#57

2,4-Dinitrotoluene

Concen: 5.928 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.38 min

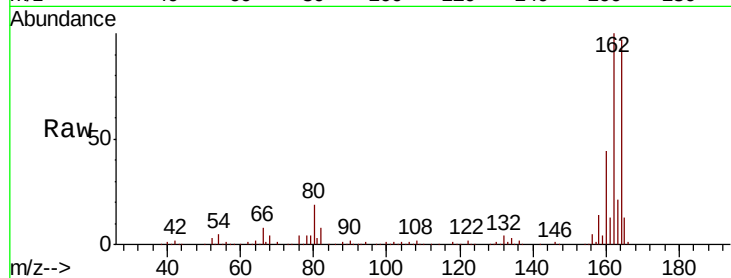
Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

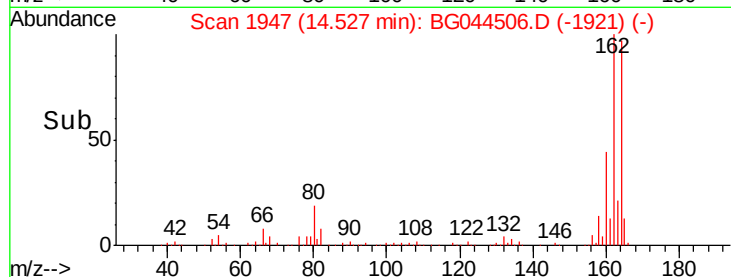
Instrument :

BNA_G

ClientSampled :



Tot Ion:165	Resp:	26564
Ion Ratio	Lower	Upper
165	100	
63	1.0	30.3 45.5#
89	1.4	53.4 80.2#
182	0.0	2.1 3.1#

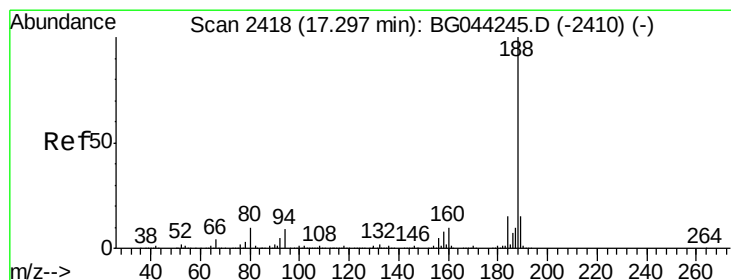
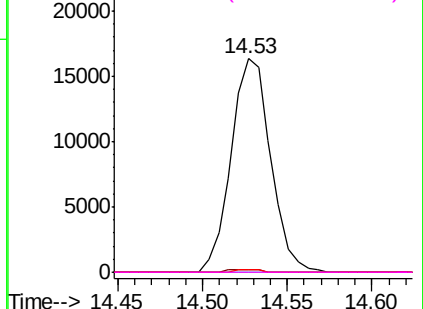


Abundance Ion 165.00 (164.70 to 165.70): E

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

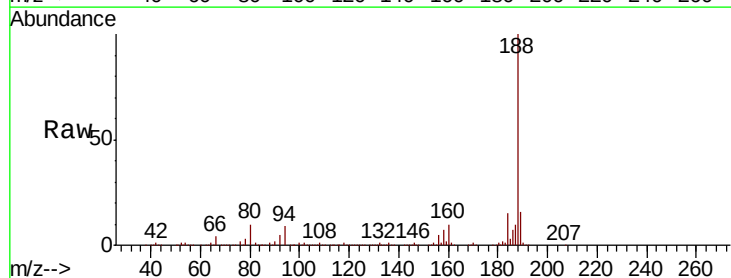
RT: 17.27 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

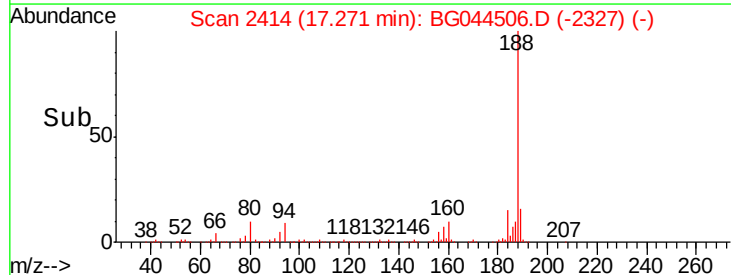
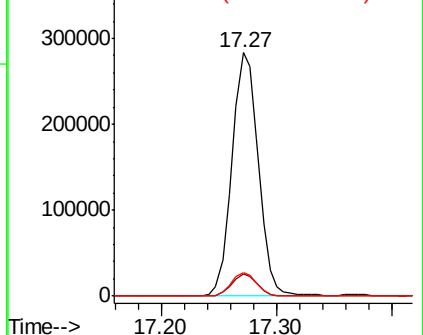
Tgt Ion:188	Resp:	448861
Ion Ratio	Lower	Upper
188	100	
94	9.2	7.4 11.2
80	9.8	7.7 11.5

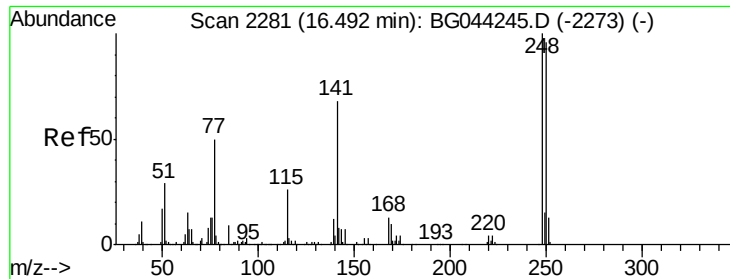


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

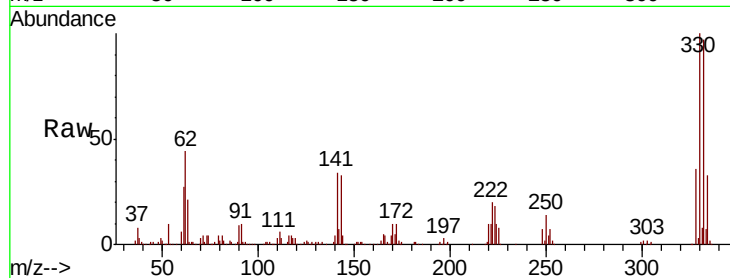




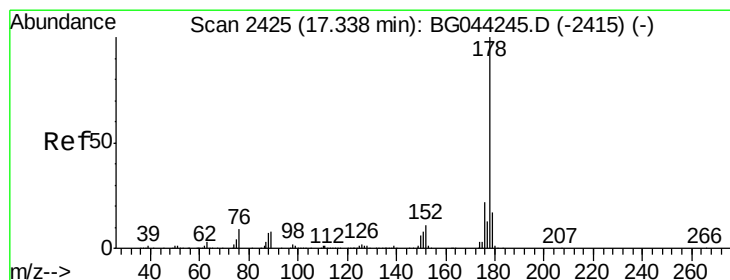
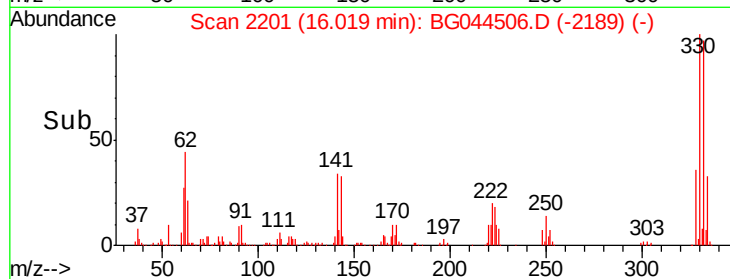
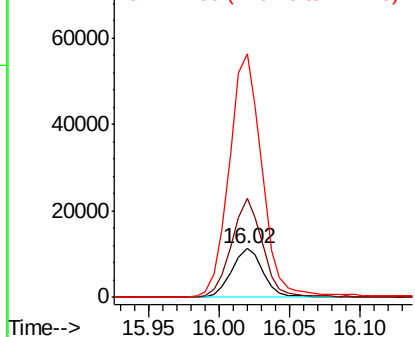
#67
4-Bromophenyl-phenylether
Concen: 3.611 ng
RT: 16.02 min Scan# 2201
Delta R.T. -0.46 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17661
Ion Ratio Lower Upper
248 100
250 203.8 76.6 114.8#
141 498.9 54.7 82.1#

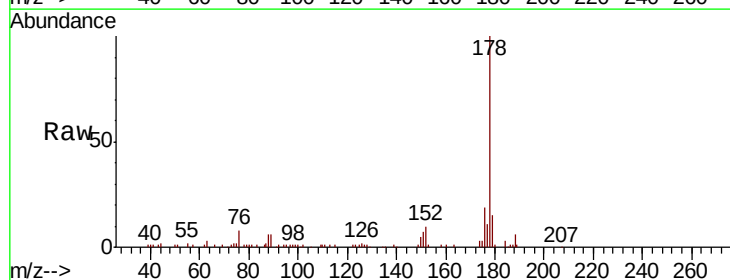


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

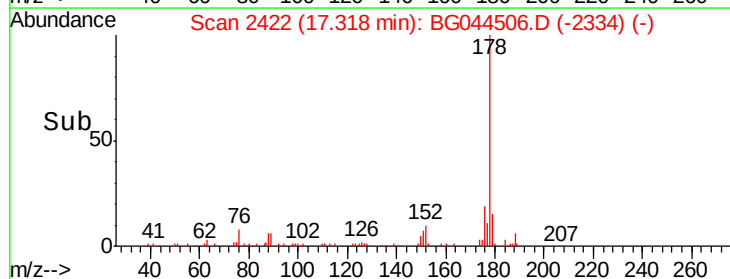
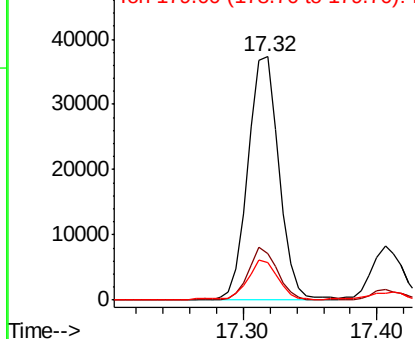


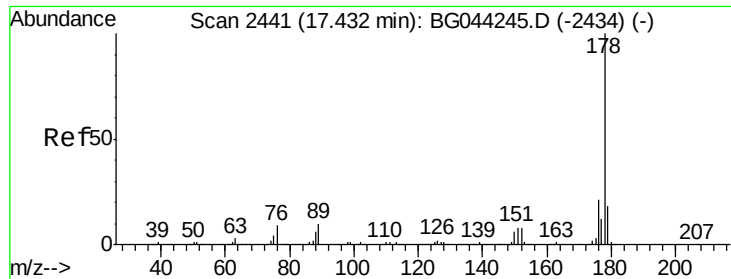
#71
Phenanthrene
Concen: 2.752 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Tgt Ion:178 Resp: 59807
Ion Ratio Lower Upper
178 100
176 19.0 17.7 26.5
179 15.4 13.7 20.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.783 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.11 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

Instrument :

BNA_G

ClientSampleId :

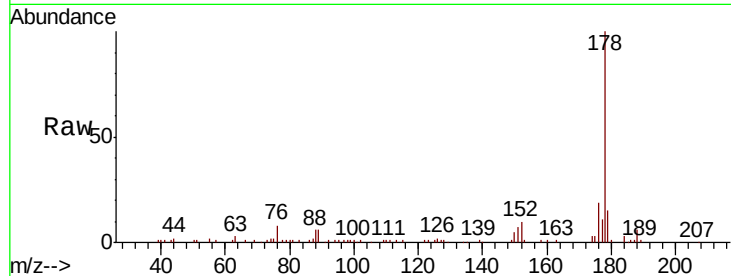
Tot Ion:178 Resp: 59807

Ion Ratio Lower Upper

178 100

176 19.0 17.0 25.4

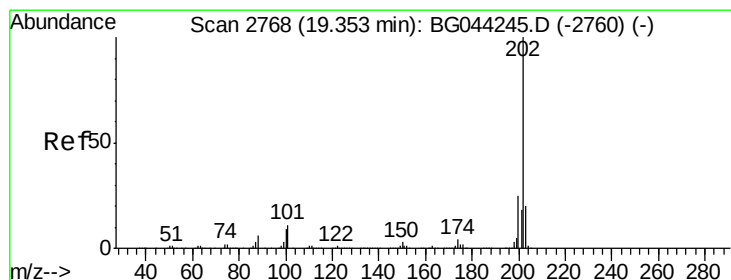
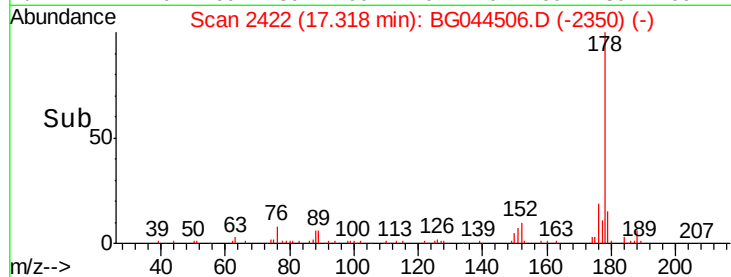
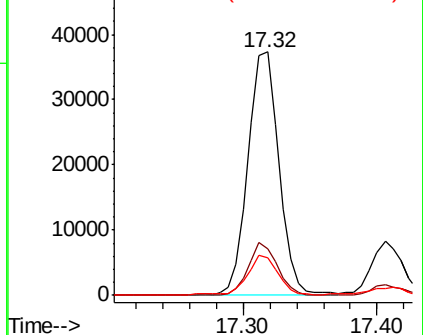
179 15.4 14.4 21.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 3.840 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

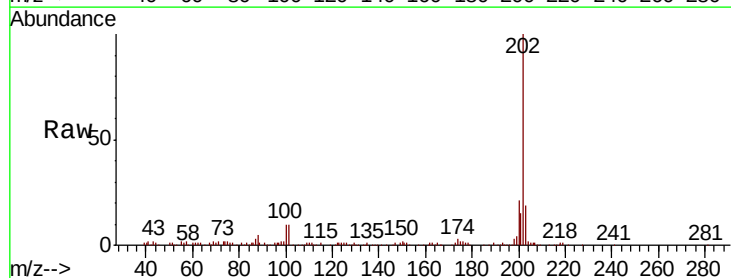
Tgt Ion:202 Resp: 96545

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.3

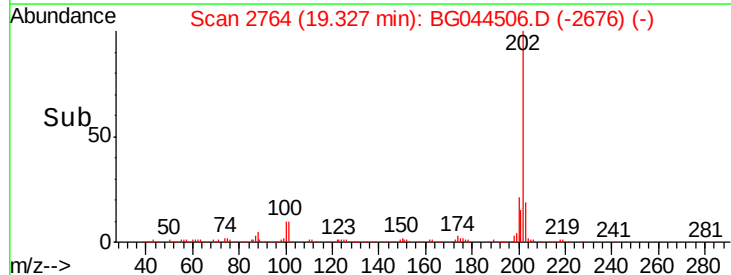
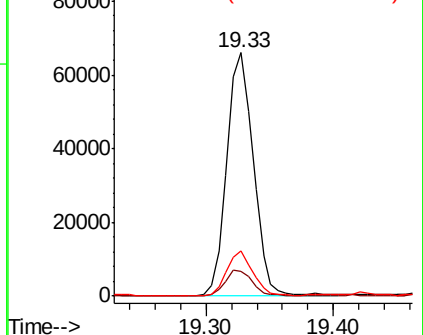
203 18.6 0.0 39.9

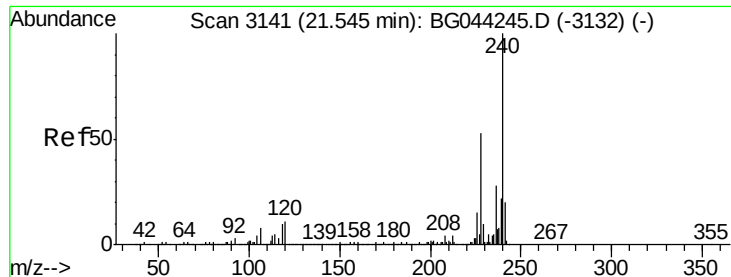


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

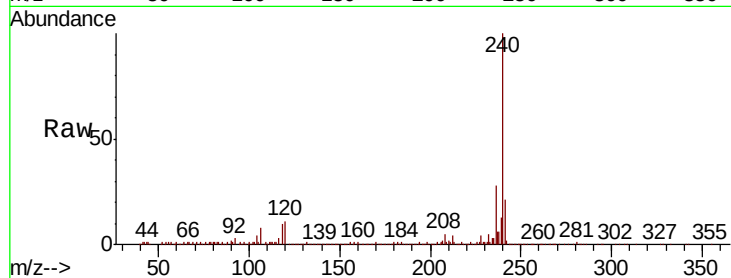




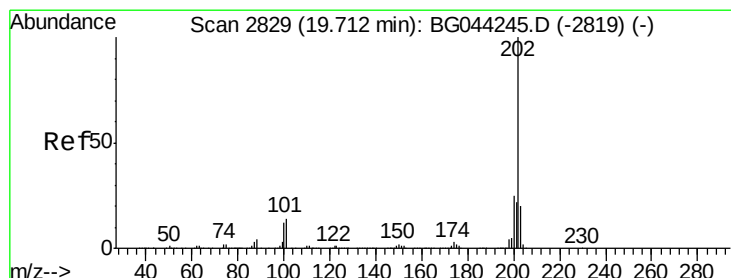
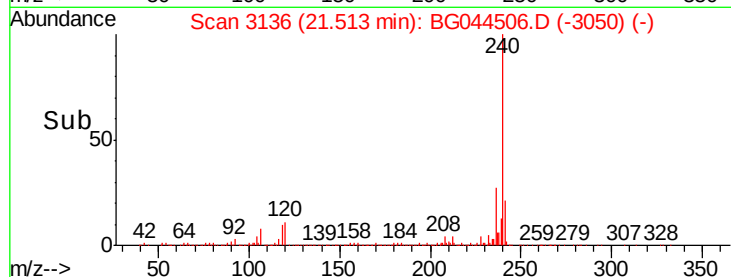
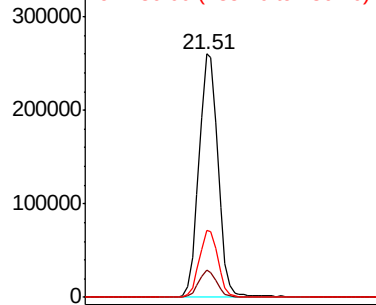
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3136
Delta R.T. -0.02 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	27.6	22.1	33.1

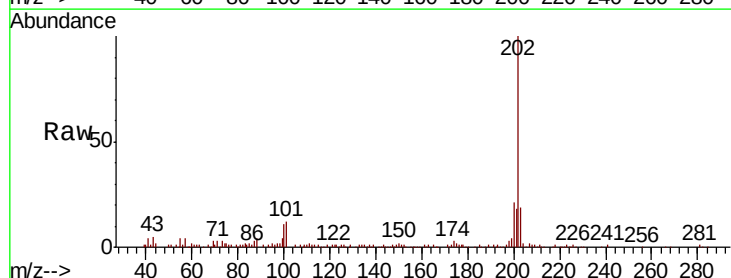


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

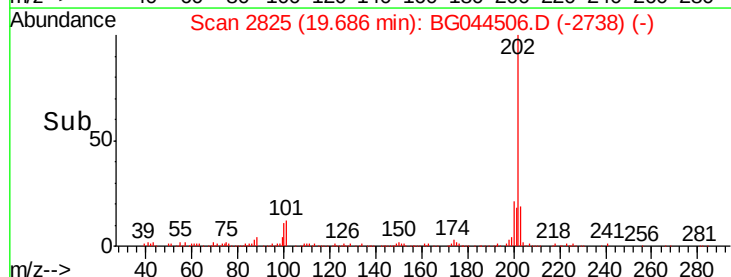
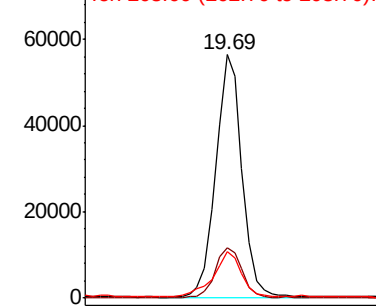


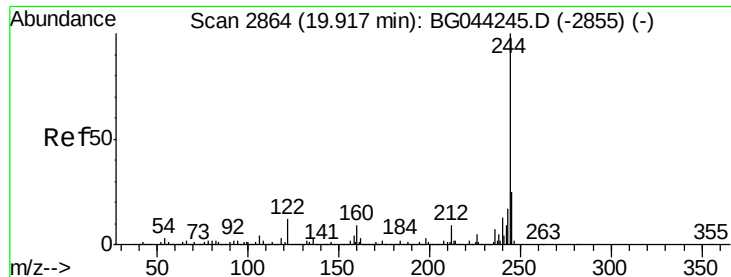
#78
Pyrene
Concen: 2.892 ng
RT: 19.69 min Scan# 2825
Delta R.T. -0.02 min
Lab File: BG044506.D
Acq: 20 Feb 2020 1:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	20.0	30.0
203	18.9	16.2	24.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.840 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

Instrument :

BNA_G

ClientSampled :

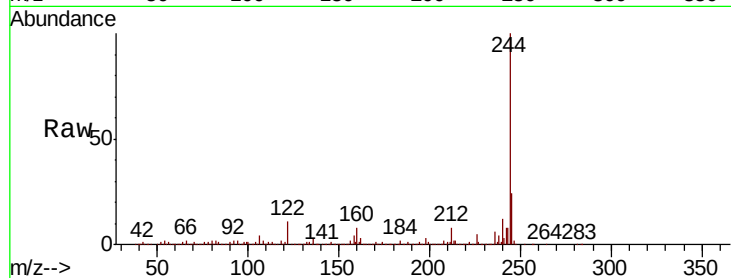
Tot Ion:244 Resp: 1368365

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.4	11.2
122	11.3	9.8	14.6

244 100

212 8.4 7.4 11.2

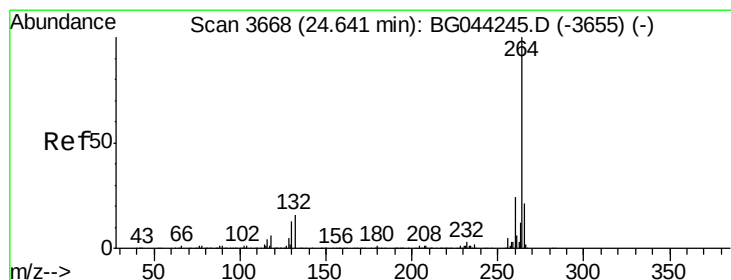
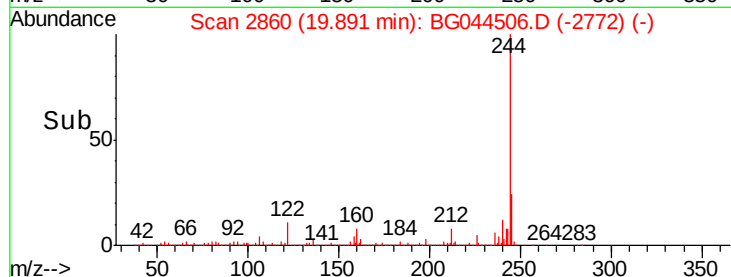
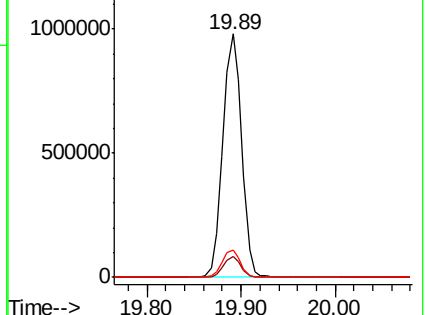
122 11.3 9.8 14.6



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: 24.60 min Scan# 3661

Delta R.T. -0.02 min

Lab File: BG044506.D

Acq: 20 Feb 2020 1:58

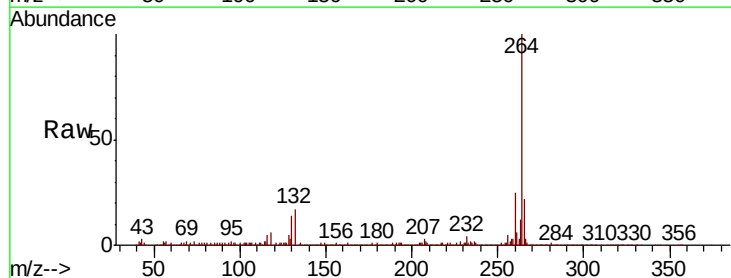
Tgt Ion:264 Resp: 464162

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.8	16.7	25.1

264 100

260 24.8 19.4 29.2

265 21.8 16.7 25.1



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

