

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021720\
 Data File : BG044467.D
 Acq On : 18 Feb 2020 4:07
 Operator : CG/JU
 Sample : L1547-24
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 06:09:28 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	87642	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	345801	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	213341	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	443122	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	429165	20.00	ng	-0.02
87) Perylene-d12	24.59	264	461948	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	500539	100.79	ng	0.00
7) Phenol-d6	7.07	99	657270	98.56	ng	0.00
23) Nitrobenzene-d5	9.05	82	402468	65.71	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	240032	95.84	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	890876	69.93	ng	0.00
79) Terphenyl-d14	19.89	244	1277568	61.23	ng	0.00

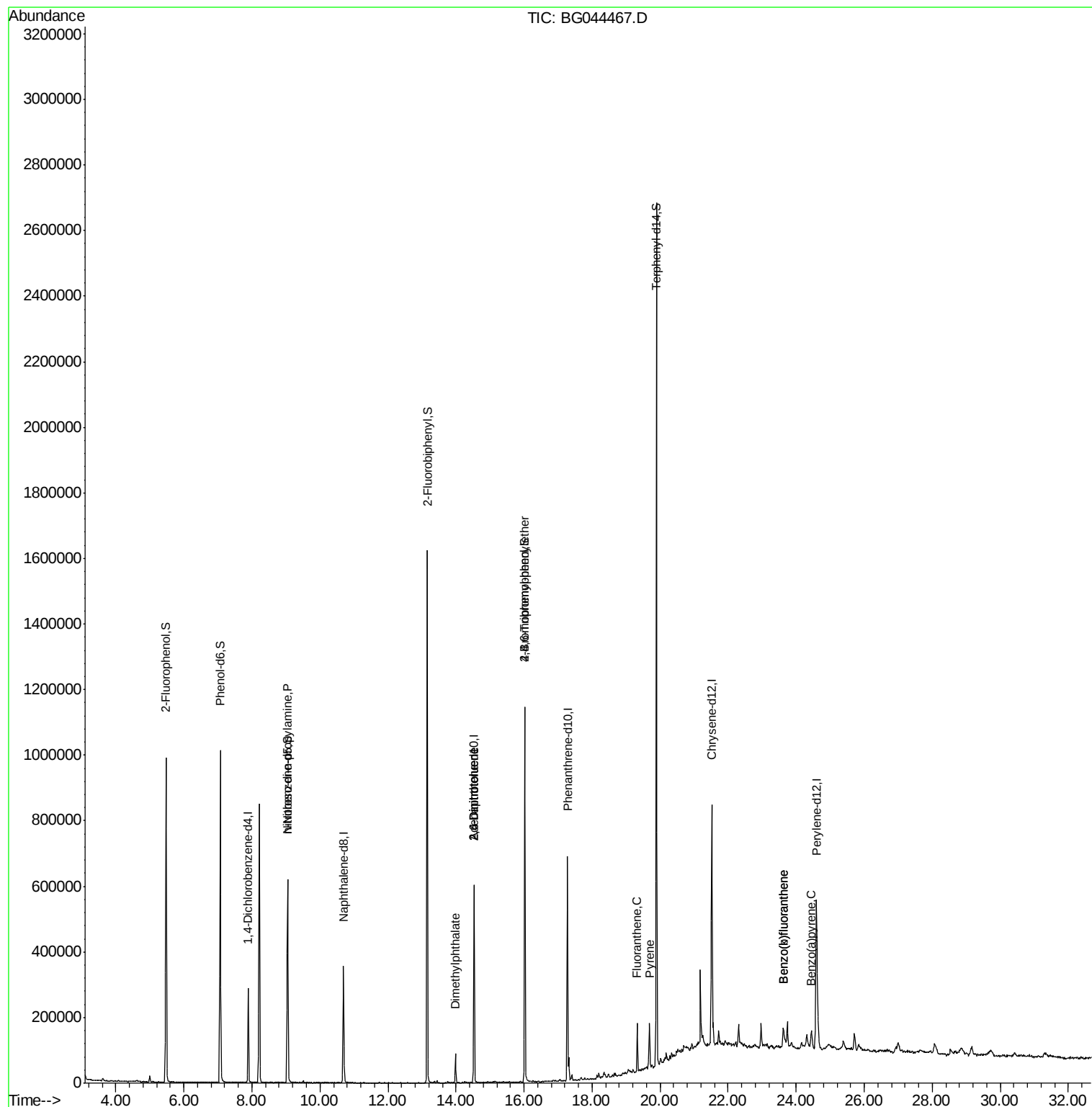
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.05	70	50914	11.456	ng	# 76
50) Dimethylphthalate	13.98	163	68374	4.459	ng	98
51) 2,6-Dinitrotoluene	14.53	165	27611	8.075	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	27611	5.761	ng	# 28
67) 4-Bromophenyl-phenylether	16.02	248	16341	3.385	ng	# 1
75) Fluoranthene	19.33	202	92636	3.732	ng	96
78) Pyrene	19.69	202	85560	3.104	ng	95
88) Benzo(b)fluoranthene	23.62	252	70693	2.656	ng	98
89) Benzo(k)fluoranthene	23.62	252	70693	2.725	ng	98
90) Benzo(a)pyrene	24.45	252	54301	2.158	ng	# 97

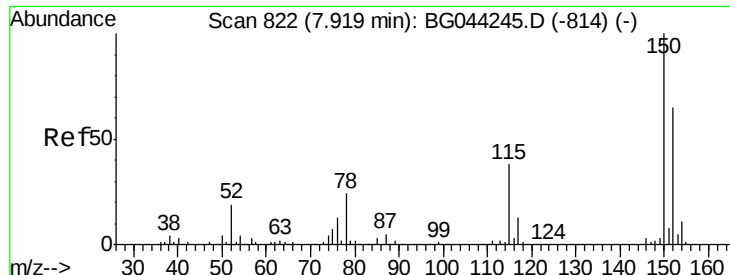
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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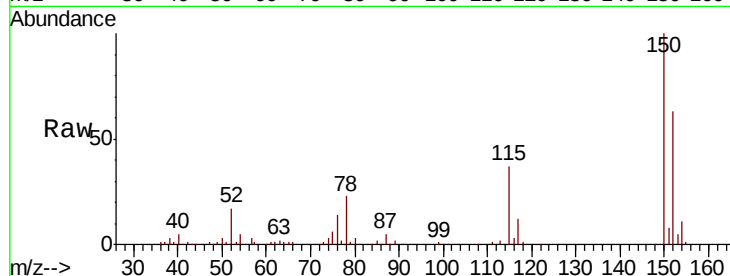


#1

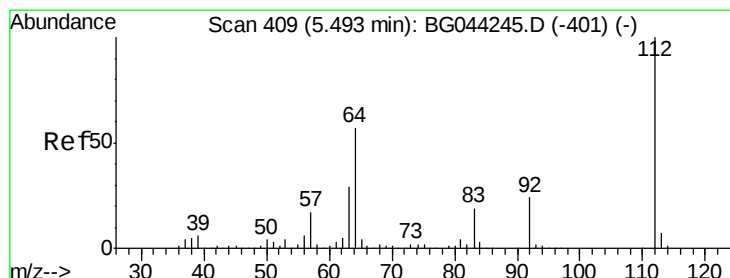
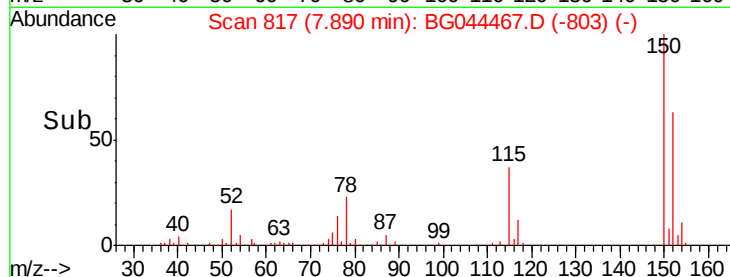
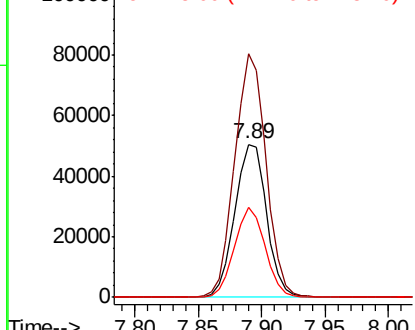
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 87642
Ion Ratio Lower Upper
152 100
150 159.0 122.6 183.8
115 58.8 46.0 69.0



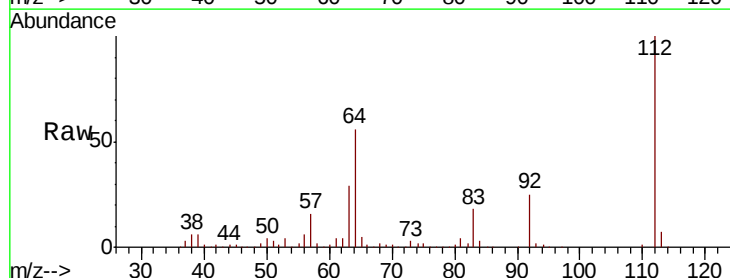
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



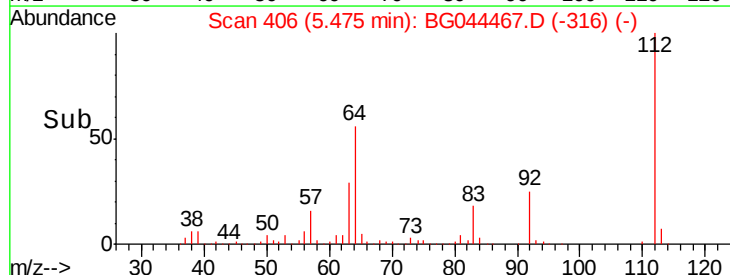
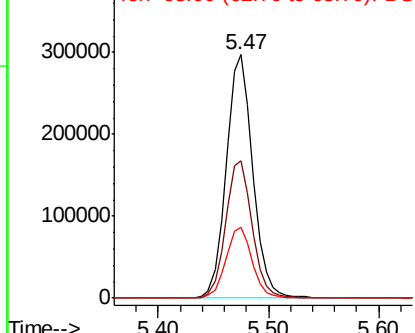
#5

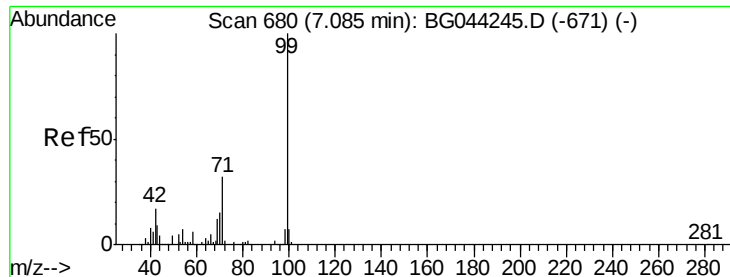
2-Fluorophenol
Concen: 100.793 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.00 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Tgt Ion:112 Resp: 500539
Ion Ratio Lower Upper
112 100
64 56.2 45.4 68.2
63 29.0 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: 98.562 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044467.D

Acq: 18 Feb 2020 4:07

Instrument :

BNA_G

ClientSampled :

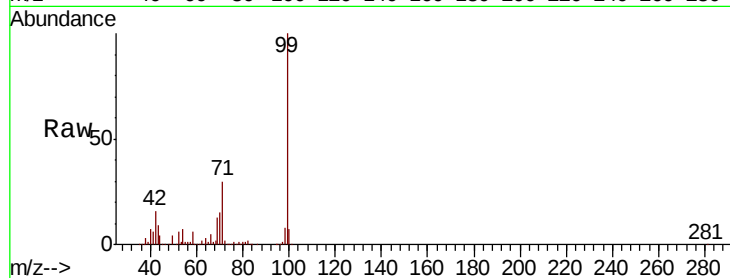
Tot Ion: 99 Resp: 657270

Ion Ratio Lower Upper

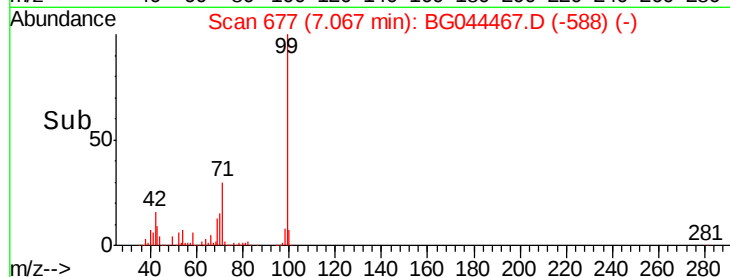
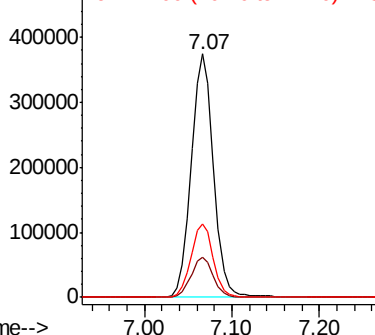
99 100

42 16.2 13.8 20.6

71 30.1 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: 11.456 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044467.D

Acq: 18 Feb 2020 4:07

Tgt Ion: 70 Resp: 50914

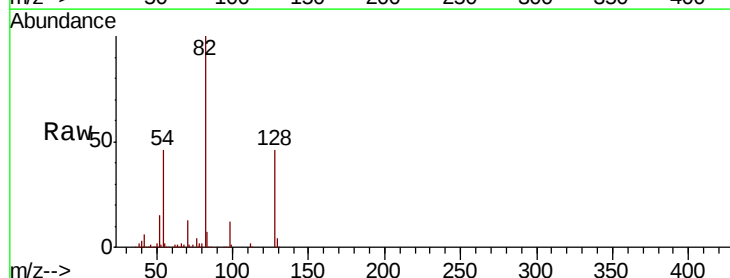
Ion Ratio Lower Upper

70 100

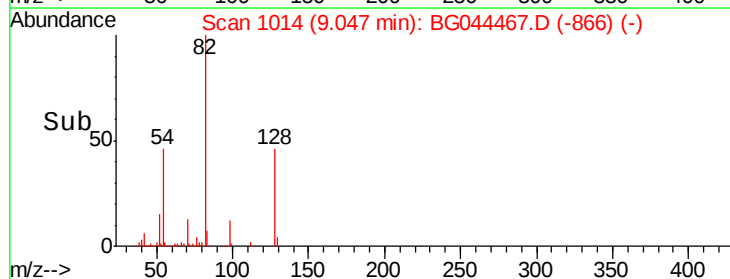
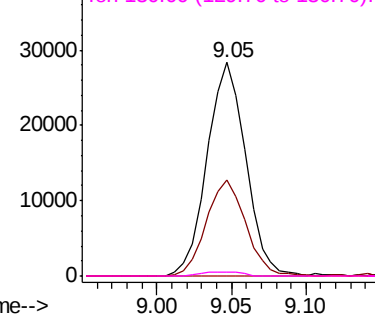
42 45.1 46.2 69.2#

101 0.0 8.4 12.6#

130 2.0 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: BG044467.D

Acq: 18 Feb 2020 4:07

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 345801

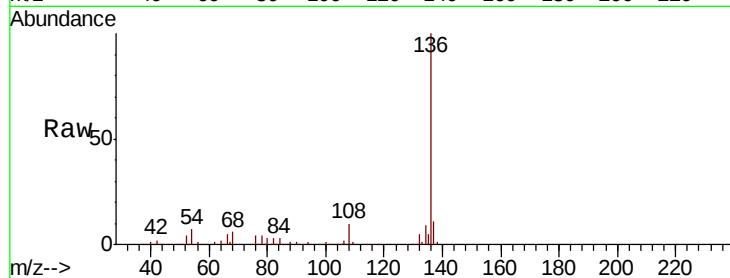
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.0 5.8 8.8

68 5.6 4.6 6.8

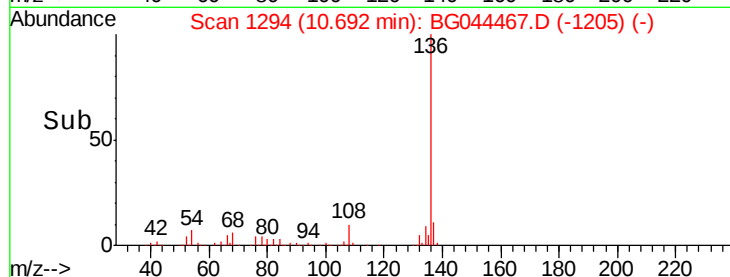


Abundance Ion 136.00 (135.70 to 136.70): E

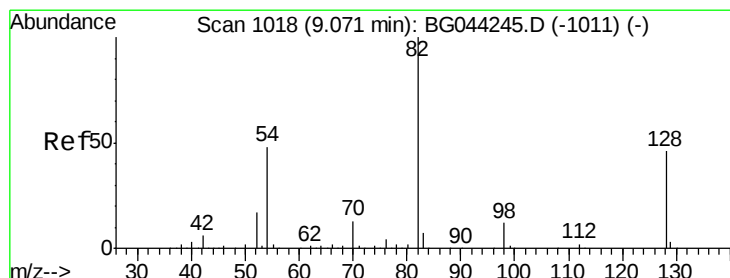
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 65.708 ng

RT: 9.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BG044467.D

Acq: 18 Feb 2020 4:07

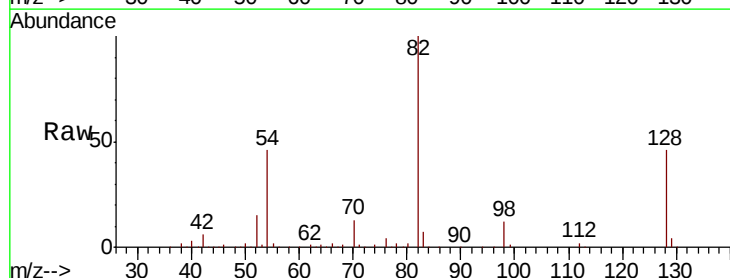
Tgt Ion: 82 Resp: 402468

Ion Ratio Lower Upper

82 100

128 46.1 36.5 54.7

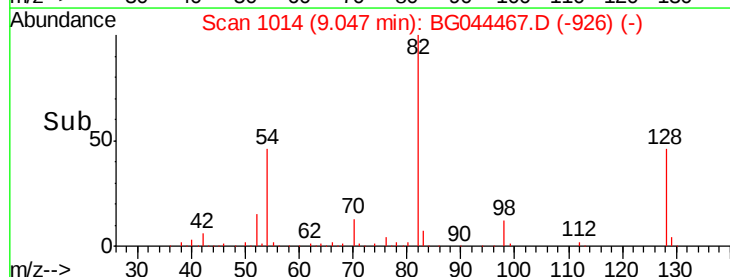
54 46.3 38.6 58.0



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



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044467.D

Acq: 18 Feb 2020 4:07

Instrument :

BNA_G

ClientSampleId :

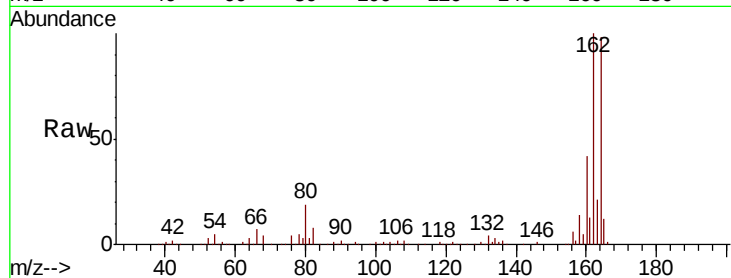
Tot Ion:164 Resp: 213341

Ion Ratio Lower Upper

164 100

162 101.8 80.7 121.1

160 43.0 35.3 52.9

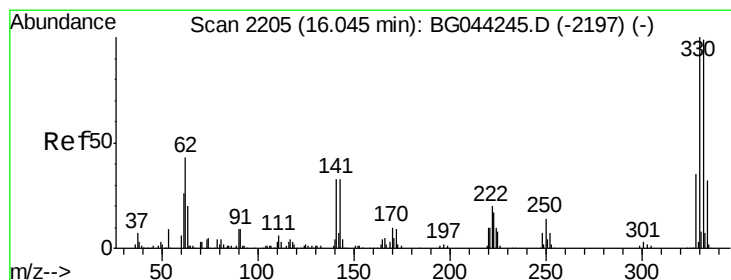
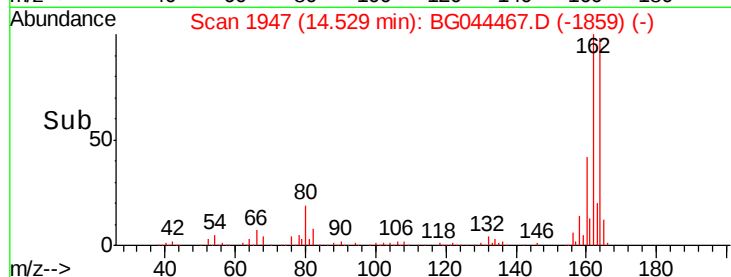
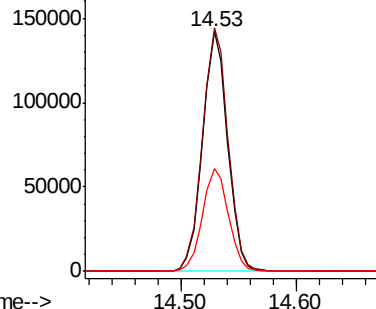


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 95.840 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044467.D

Acq: 18 Feb 2020 4:07

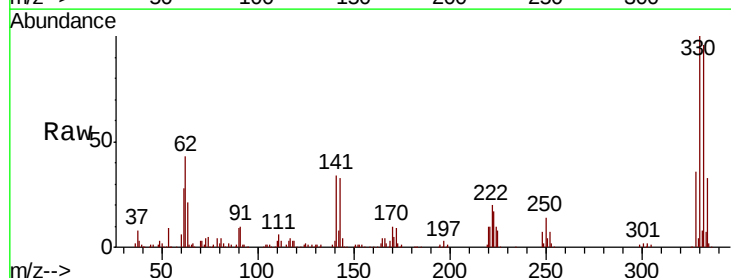
Tgt Ion:330 Resp: 240032

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

141 34.7 28.3 42.5

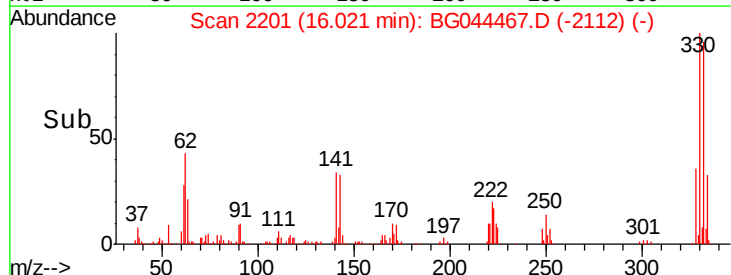
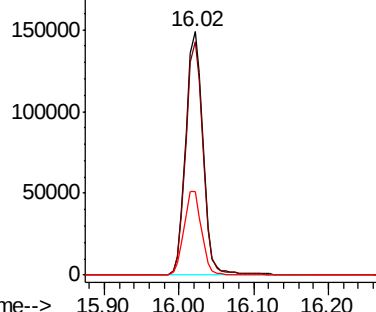


Abundance

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

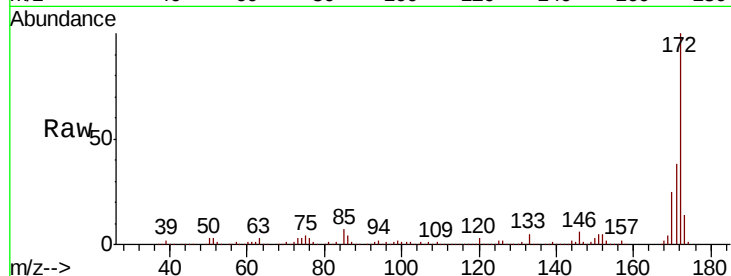




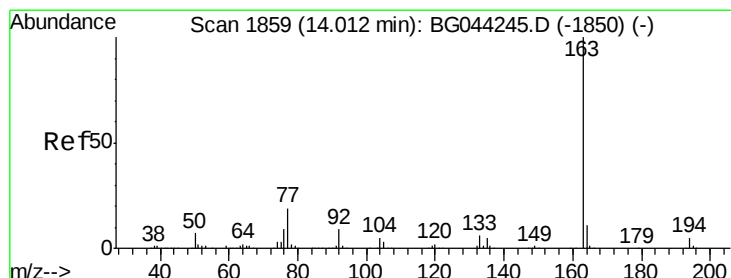
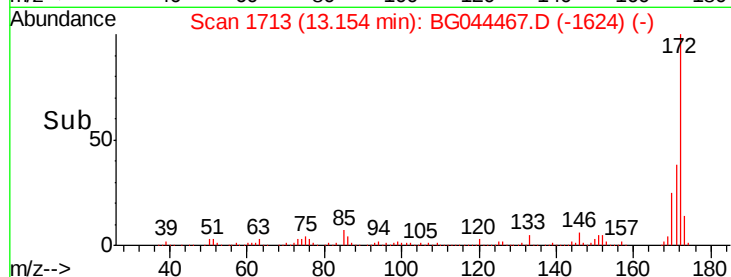
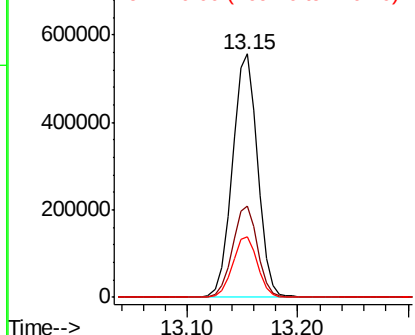
#45
2-Fluorobiphenyl
Concen: 69.927 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 890876
Ion Ratio Lower Upper
172 100
171 37.7 32.9 49.3
170 25.1 22.0 33.0

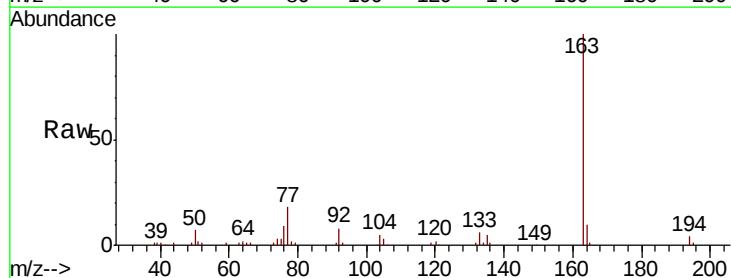


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

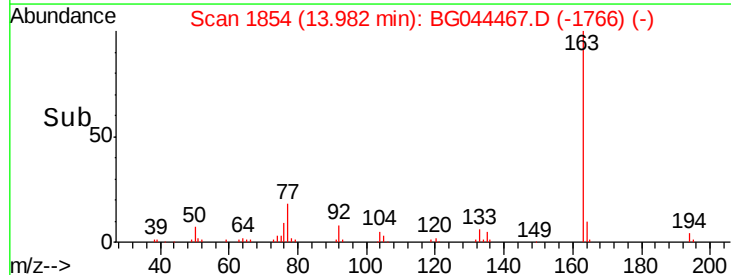
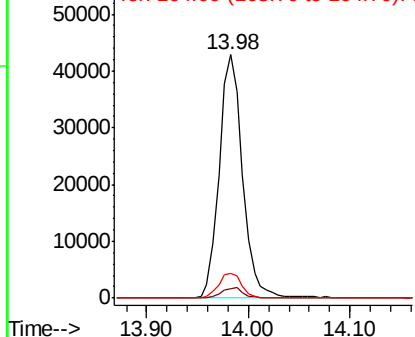


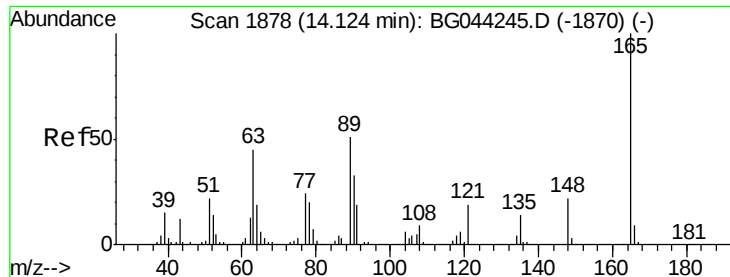
#50
Dimethylphthalate
Concen: 4.459 ng
RT: 13.98 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Tgt Ion:163 Resp: 68374
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 10.2 8.7 13.1



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

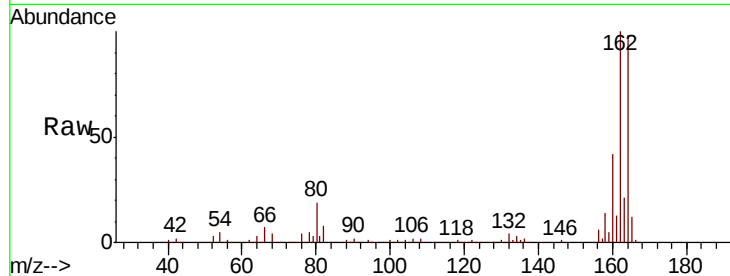




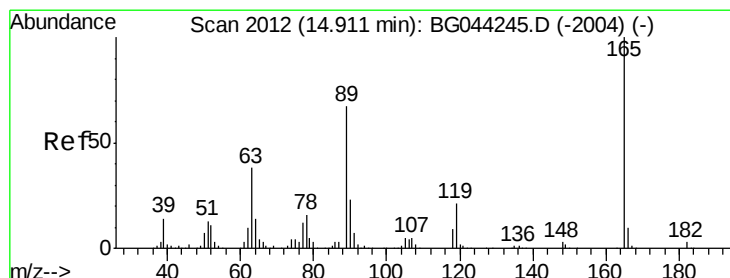
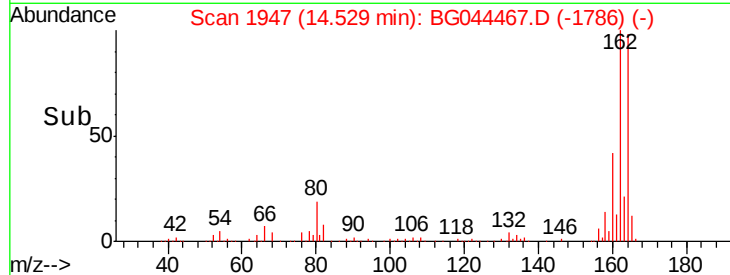
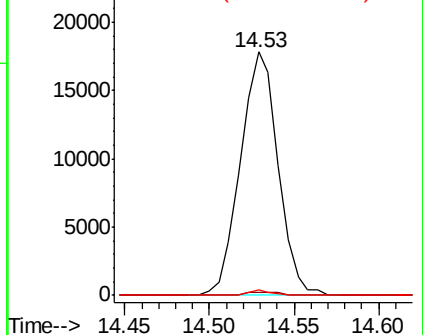
#51
 2,6-Dinitrotoluene
 Concen: 8.075 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044467.D
 Acq: 18 Feb 2020 4:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.7	58.1#
89	2.1	40.4	60.6#

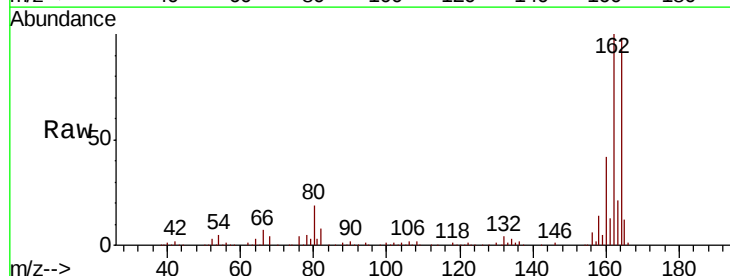


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

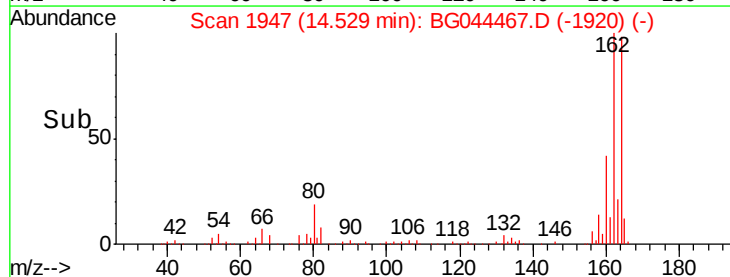
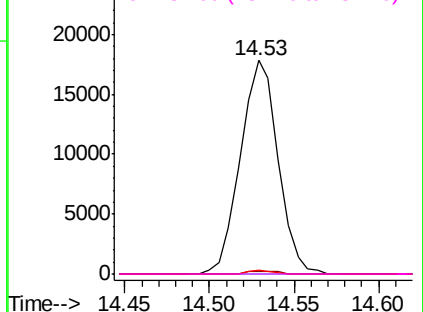


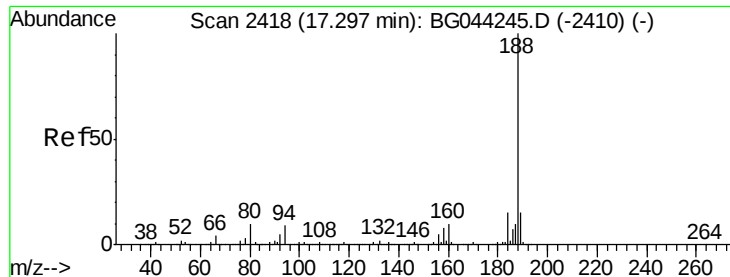
#57
 2,4-Dinitrotoluene
 Concen: 5.761 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG044467.D
 Acq: 18 Feb 2020 4:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	30.3	45.5#
89	2.1	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: BG044467.D

Acq: 18 Feb 2020 4:07

Instrument :

BNA_G

ClientSampleId :

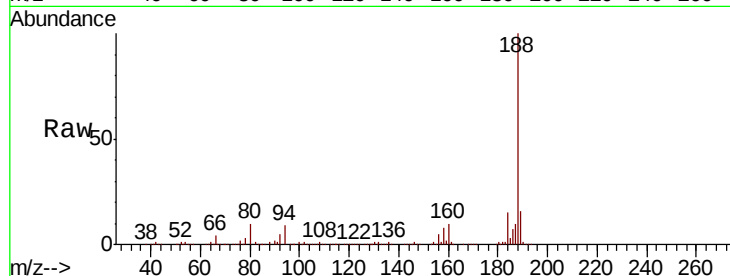
Tot Ion:188 Resp: 443122

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

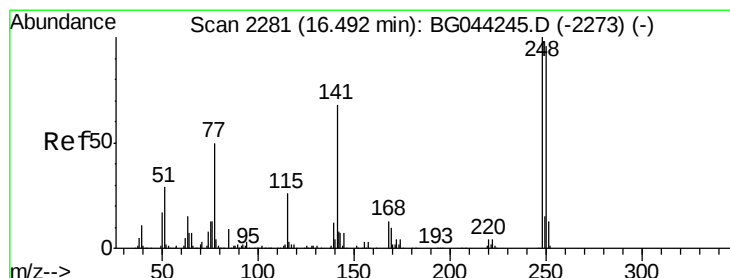
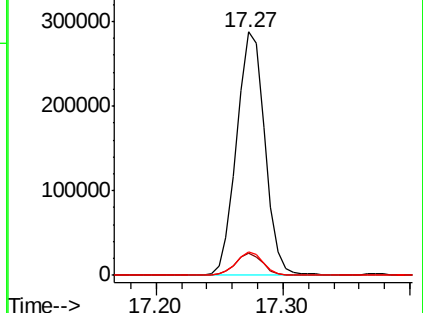
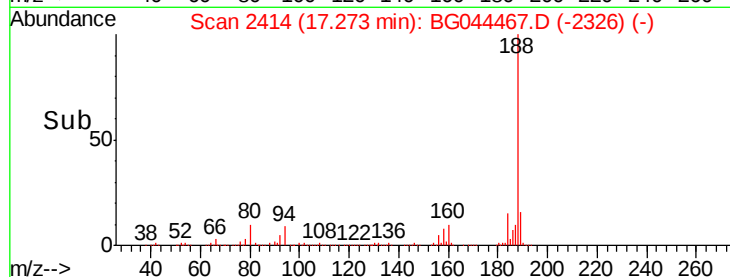
80 9.6 7.7 11.5



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: 3.385 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.46 min

Lab File: BG044467.D

Acq: 18 Feb 2020 4:07

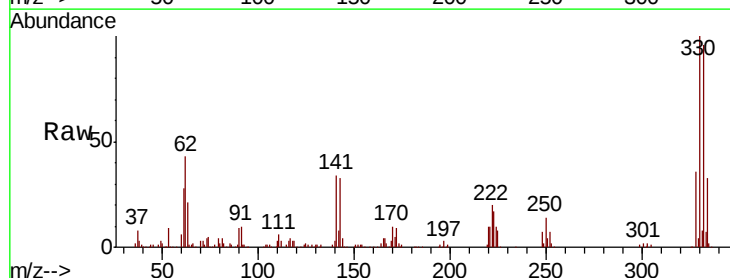
Tgt Ion:248 Resp: 16341

Ion Ratio Lower Upper

248 100

250 195.8 76.6 114.8#

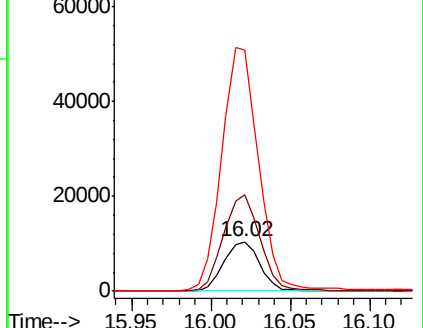
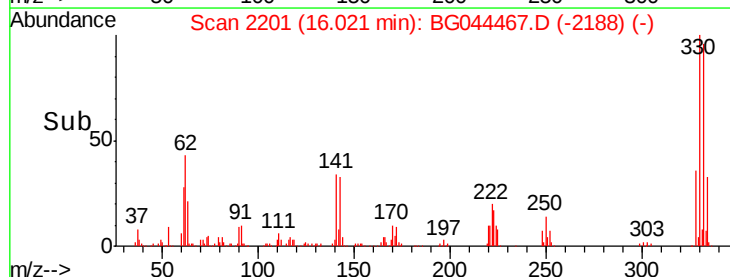
141 486.8 54.7 82.1#

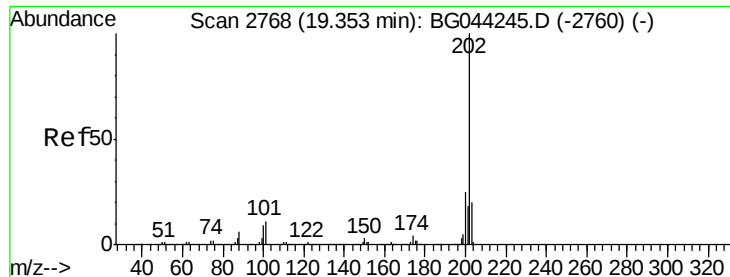


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.732 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044467.D

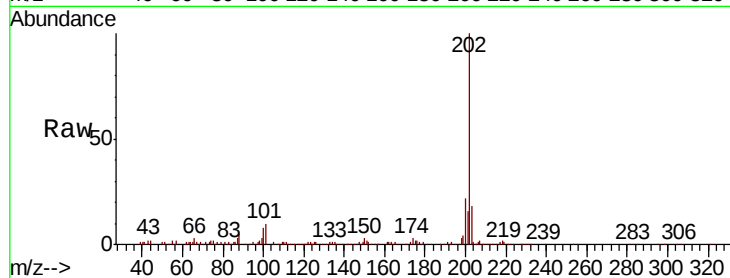
Acq: 18 Feb 2020 4:07

Instrument :

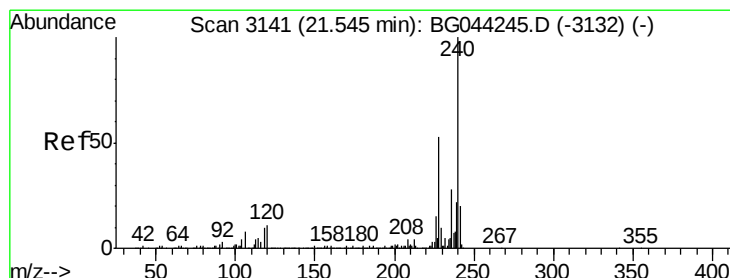
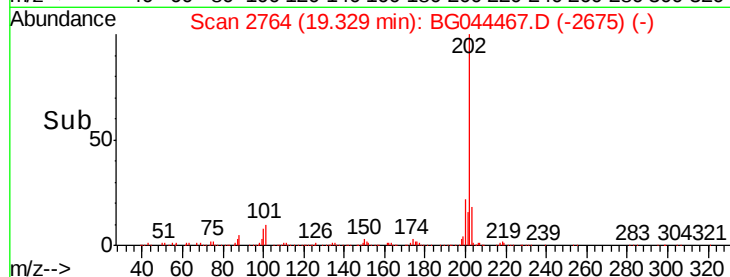
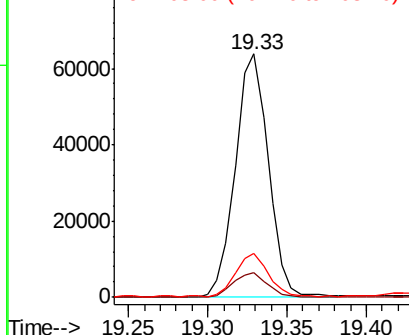
BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	92636
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.3
203	18.0	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

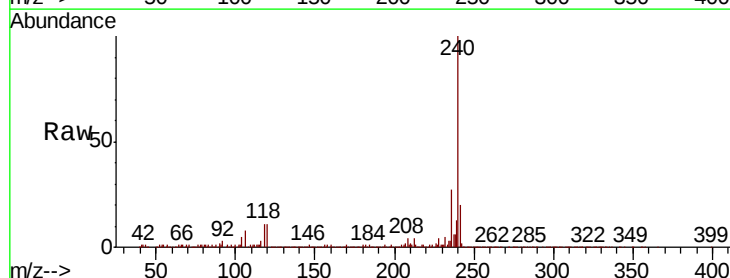
RT: 21.51 min Scan# 3136

Delta R.T. -0.02 min

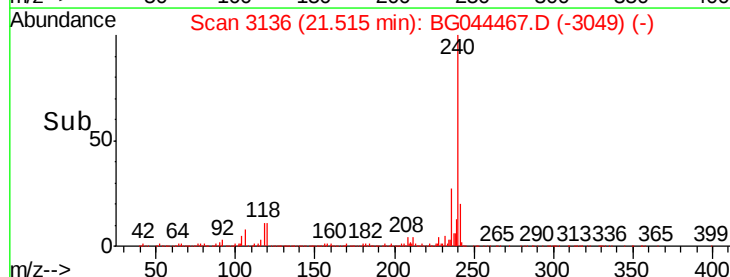
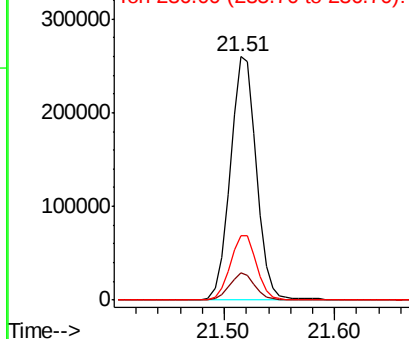
Lab File: BG044467.D

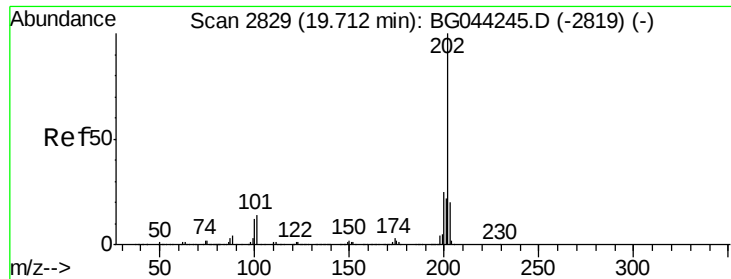
Acq: 18 Feb 2020 4:07

Tgt Ion:	240	Resp:	429165
Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	26.6	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

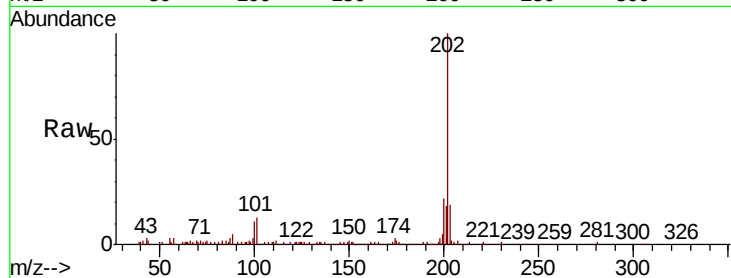




#78
Pvrene
Concen: 3.104 ng
RT: 19.69 min Scan# 2825
Delta R.T. -0.02 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	20.0	30.0
203	18.6	16.2	24.2

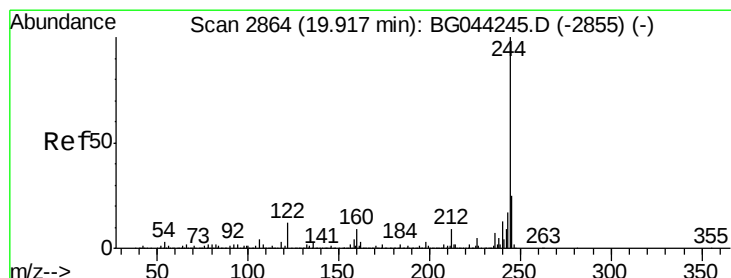
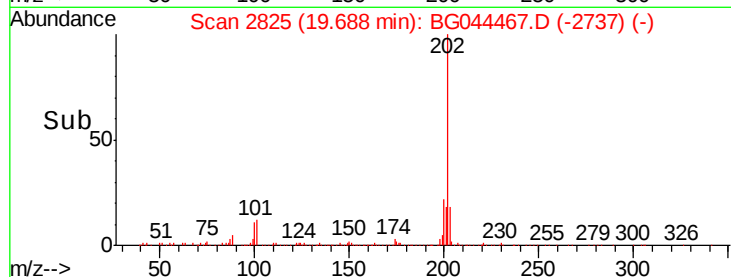
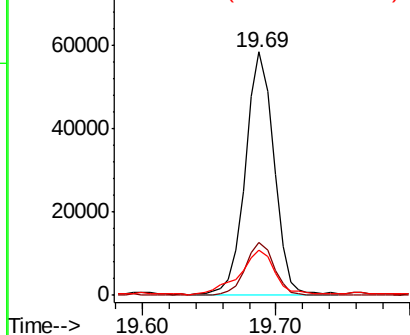


Abundance

Ion 202.00 (201.70 to 202.70): E

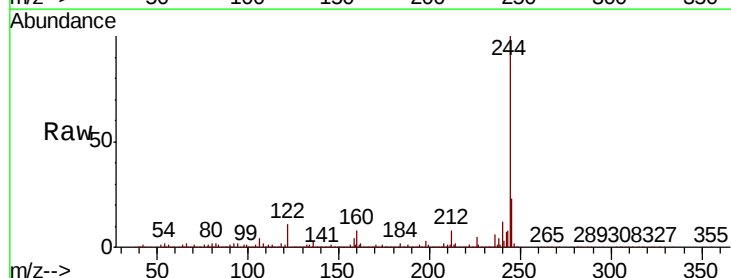
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 61.230 ng
RT: 19.89 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.4	11.2
122	11.1	9.8	14.6

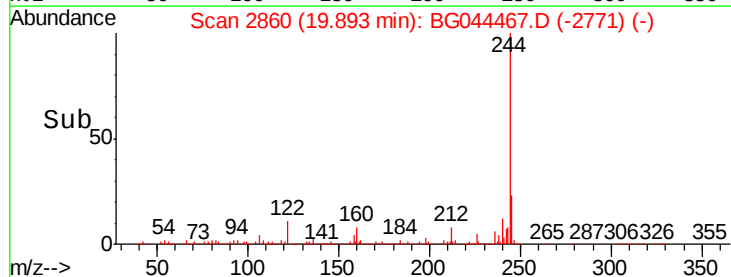
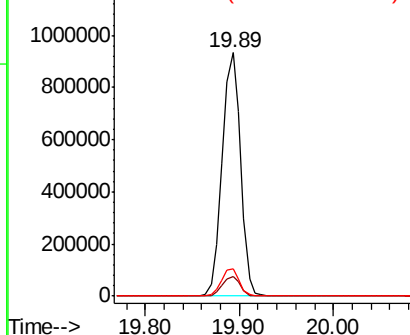


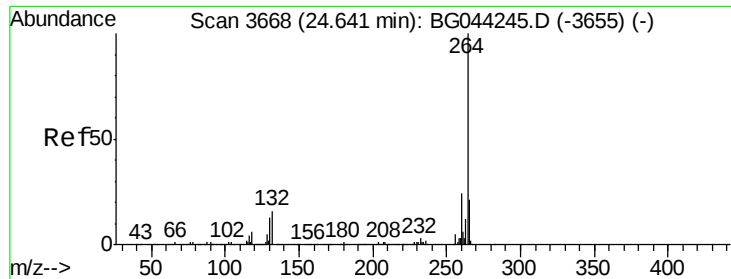
Abundance

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



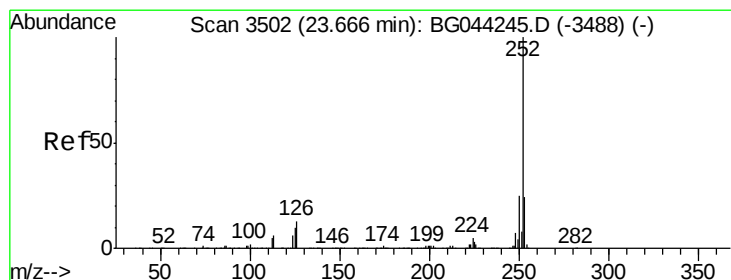
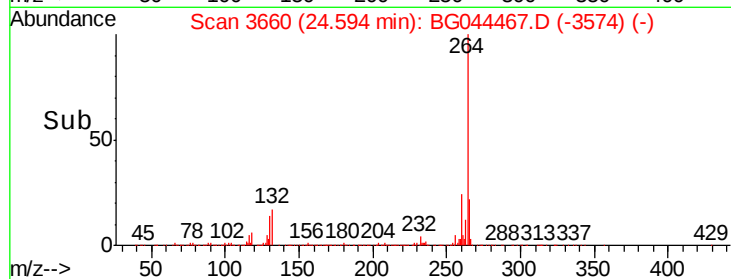
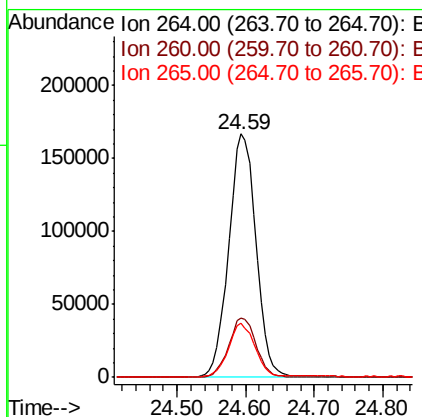
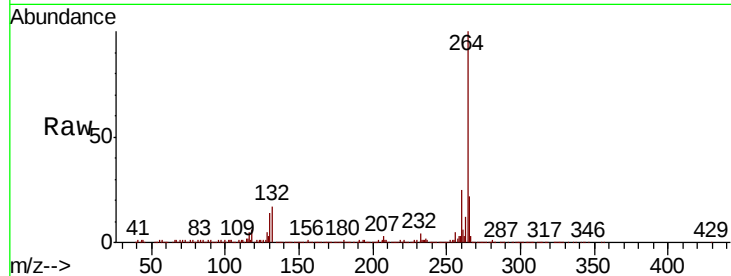


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.59 min Scan# 3660
Delta R.T. -0.03 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 461948

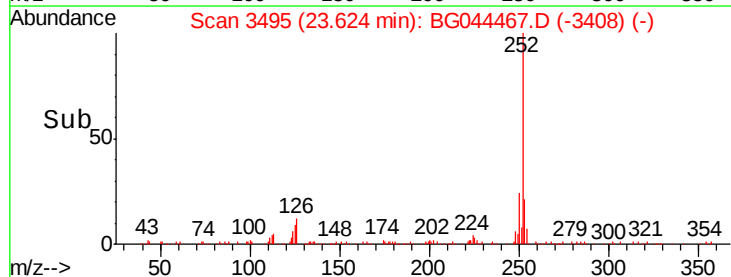
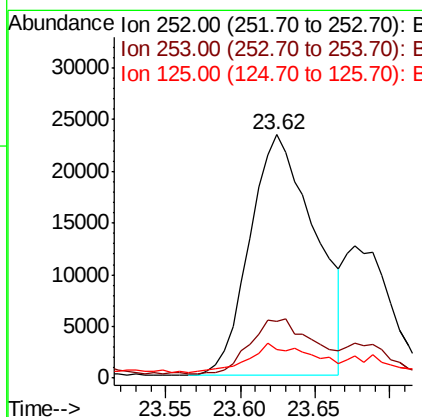
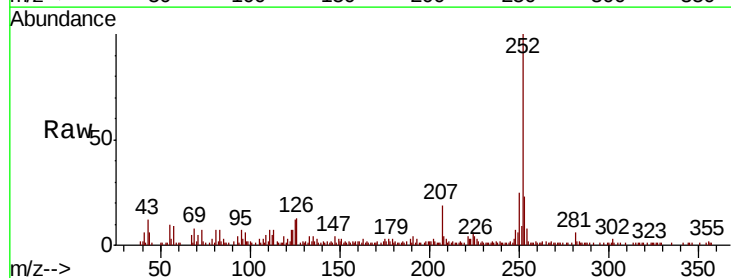
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.2	16.7	25.1

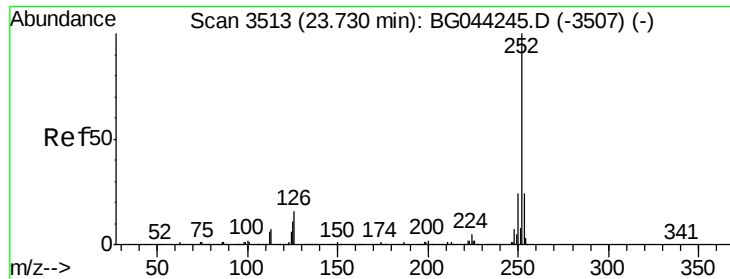


#88
Benzo(b)fluoranthene
Concen: 2.656 ng
RT: 23.62 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Tgt Ion:252 Resp: 70693

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	11.9	8.4	12.6

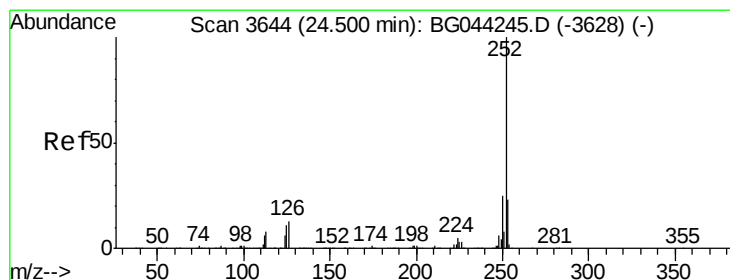
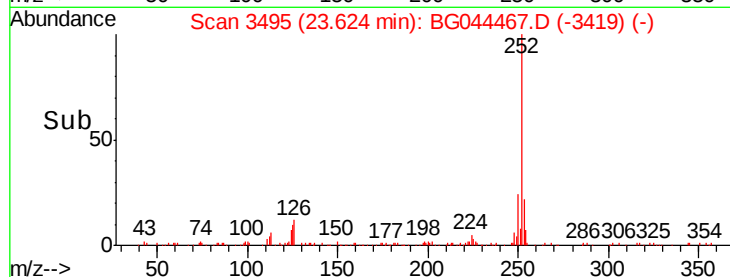
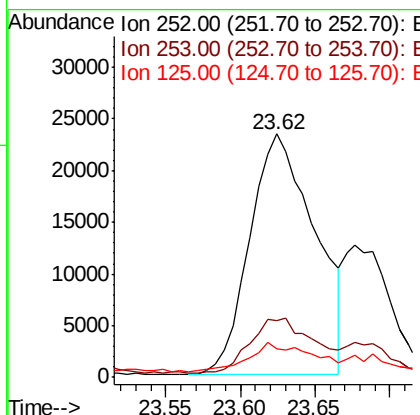
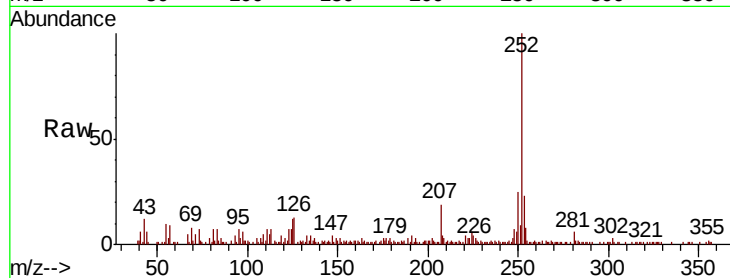




#89
Benzo(k)fluoranthene
Concen: 2.725 ng
RT: 23.62 min Scan# 3495
Delta R.T. -0.09 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.1	28.7
125	11.9	8.6	12.8



#90
Benzo(a)pyrene
Concen: 2.158 ng
RT: 24.45 min Scan# 3636
Delta R.T. -0.02 min
Lab File: BG044467.D
Acq: 18 Feb 2020 4:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.1	8.6	13.0

