

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044043.D
 Acq On : 14 Jan 2020 19:26
 Operator : JU
 Sample : L1108-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 20:34:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	123036	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	495588	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	311349	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	640721	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	546550	20.00	ng	-0.01
87) Perylene-d12	24.73	264	613727	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	591450	88.26	ng	0.00
7) Phenol-d6	7.12	99	834455	89.09	ng	0.00
23) Nitrobenzene-d5	9.10	82	485745	52.43	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	287952	88.38	ng	-0.01
45) 2-Fluorobiphenyl	13.20	172	1071488	62.35	ng	-0.02
79) Terphenyl-d14	19.94	244	1459167	58.77	ng	-0.02

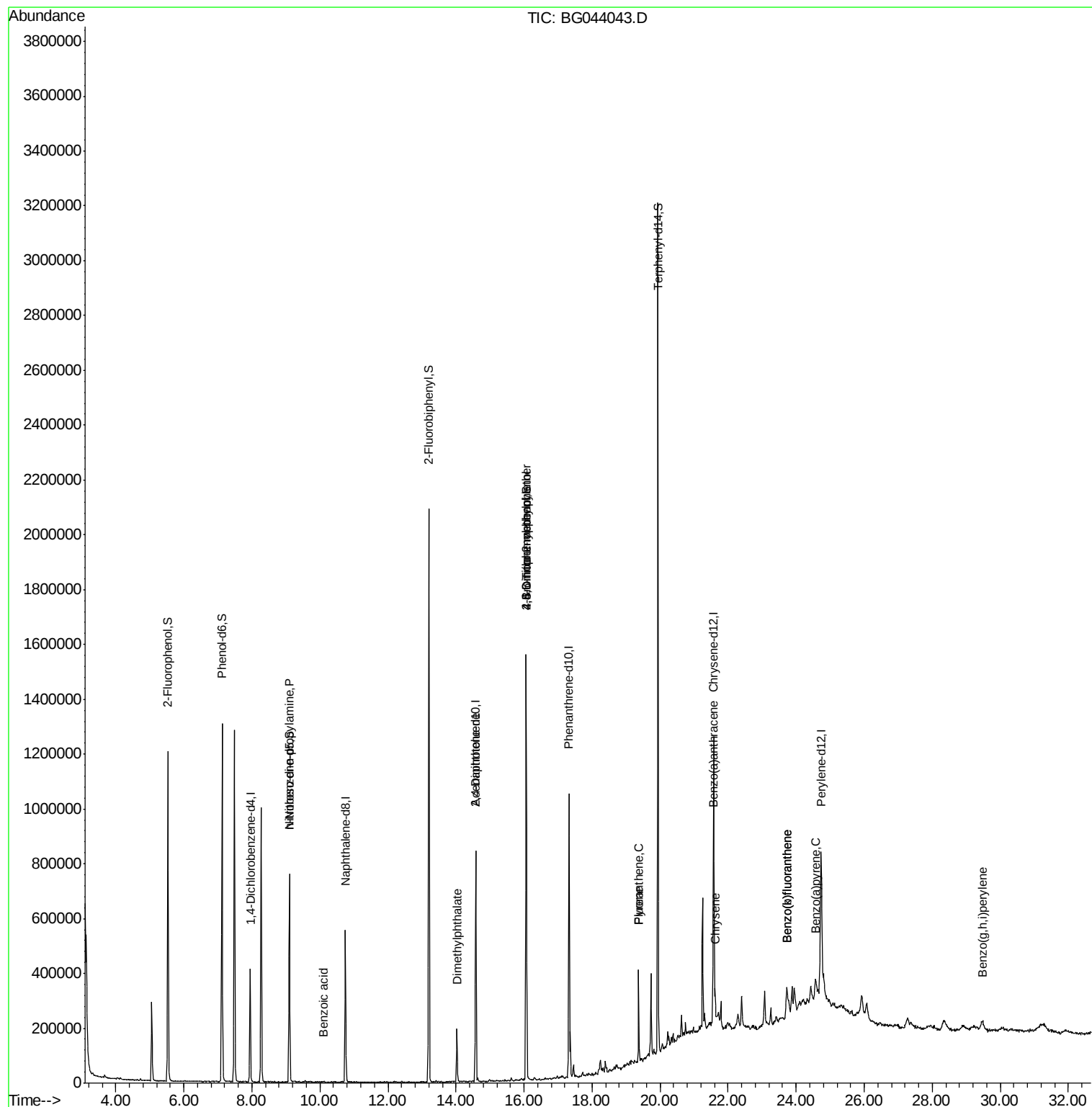
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	62266	8.926	ng	# 77
32) Benzoic acid	10.11	122	115	6.281	ng	# 1
50) Dimethylphthalate	14.03	163	136147	6.159	ng	96
57) 2,4-Dinitrotoluene	14.58	165	41629	6.123	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	943	4.649	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	20429	2.835	ng	# 1
75) Fluoranthene	19.37	202	200779	5.713	ng	93
78) Pyrene	19.37	202	200779	5.628	ng	91
81) Benzo(a)anthracene	21.56	228	98931	2.919	ng	97
83) Chrysene	21.62	228	81997	2.546	ng	98
88) Benzo(b)fluoranthene	23.73	252	112591	3.103	ng	# 95
89) Benzo(k)fluoranthene	23.73	252	112591	3.263	ng	96
90) Benzo(a)pyrene	24.57	252	86362	2.522	ng	# 97
92) Benzo(a,h,i)perylene	29.47	276	75059	2.197	ng	96

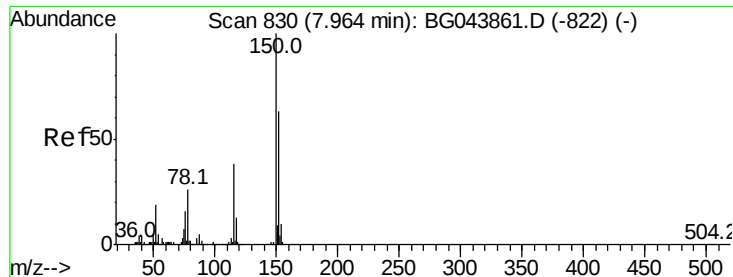
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044043.D
Acq On : 14 Jan 2020 19:26
Operator : JU
Sample : L1108-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 14 20:34:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration



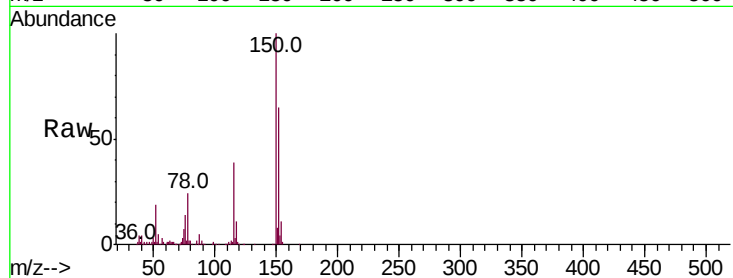


#1

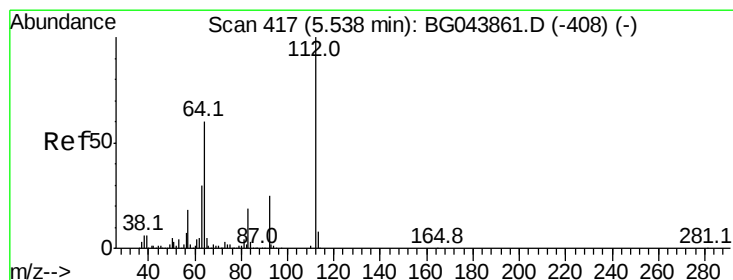
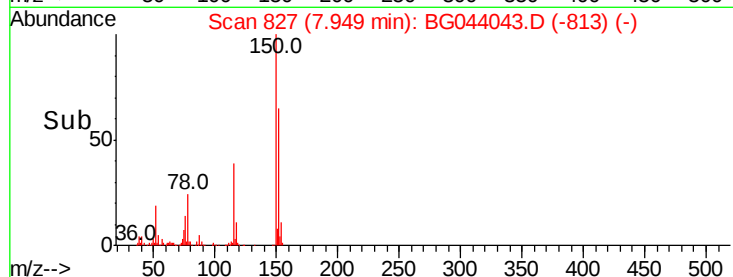
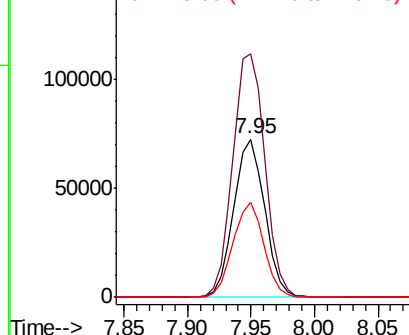
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG044043.D
Acq: 14 Jan 2020 19:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.0	190.4
115	59.7	47.8	71.8



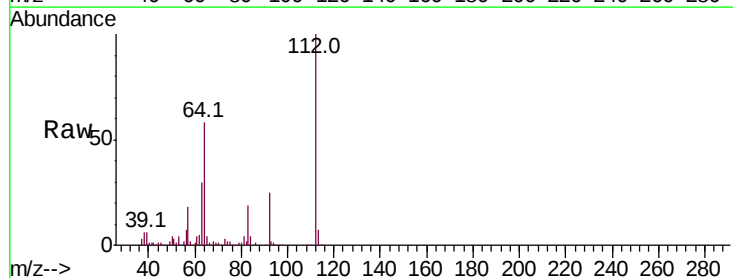
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



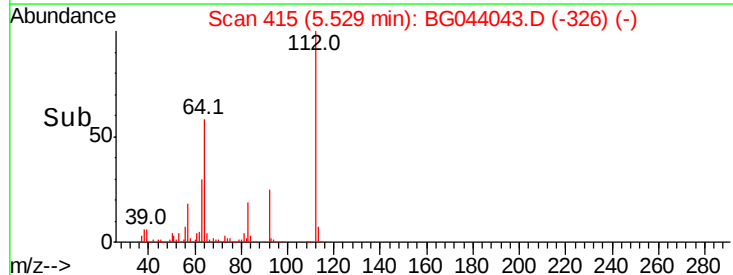
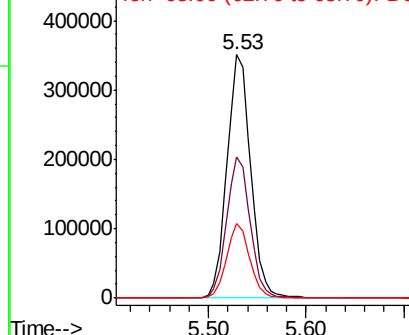
#5

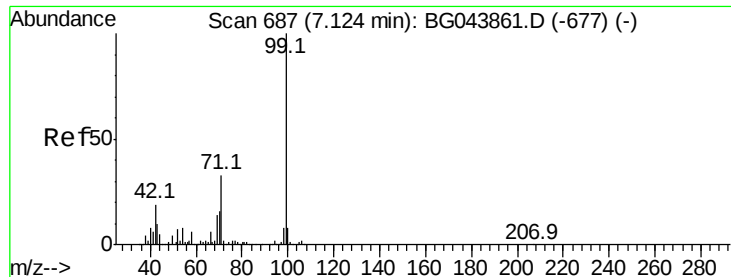
2-Fluorophenol
Concen: 88.265 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044043.D
Acq: 14 Jan 2020 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.8	71.6
63	30.5	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 89.088 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

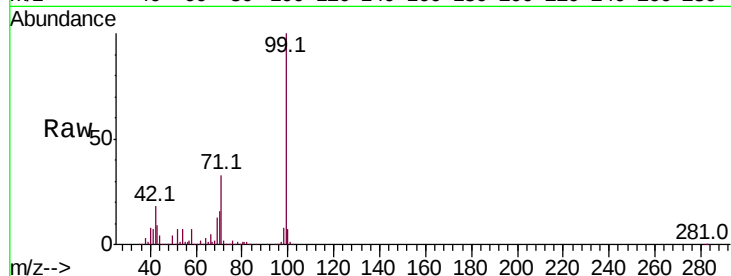
Tot Ion: 99 Resp: 834455

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

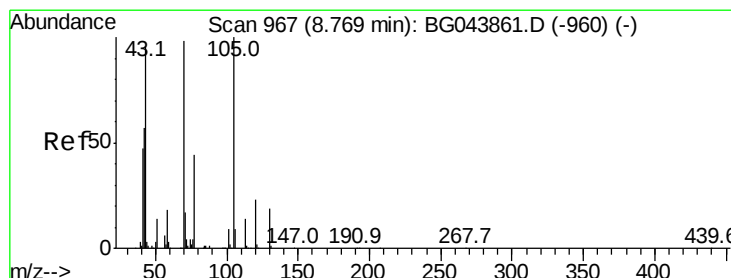
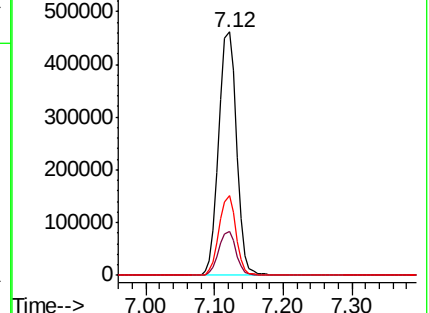
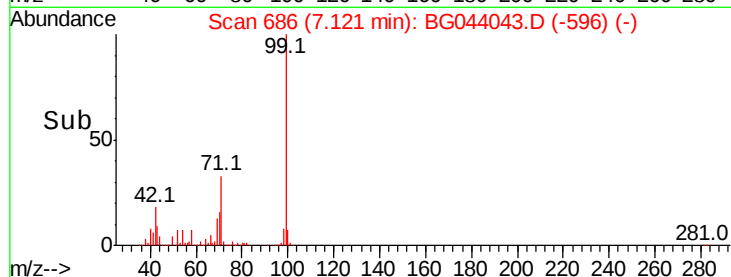
71 33.0 26.4 39.6



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: 8.926 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Tgt Ion: 70 Resp: 62266

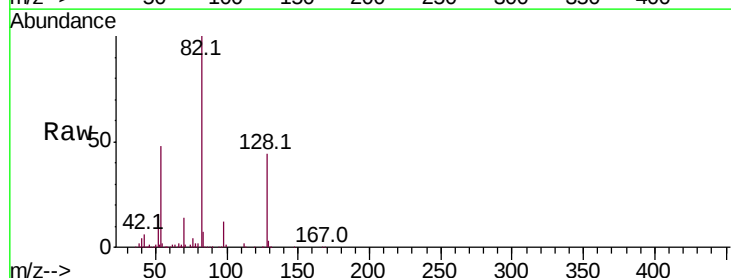
Ion Ratio Lower Upper

70 100

42 45.7 47.0 70.4#

101 0.0 7.2 10.8#

130 1.7 15.6 23.4#

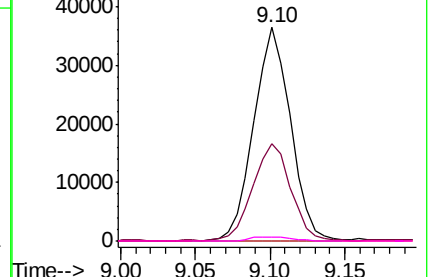
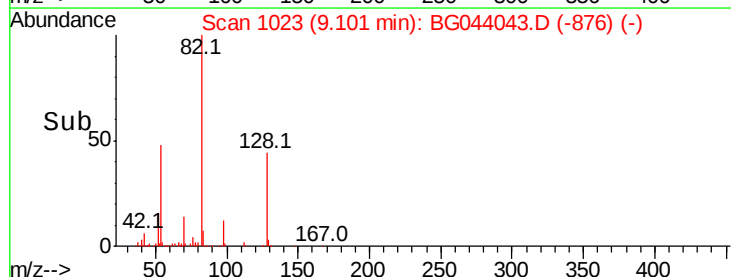


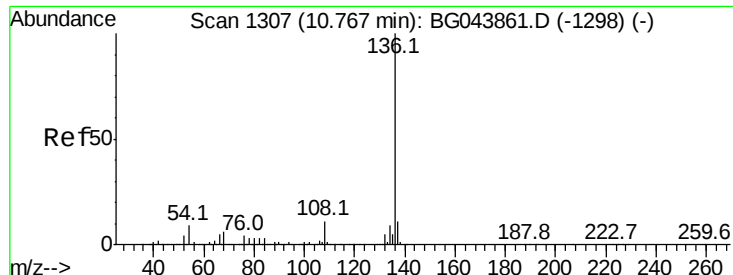
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

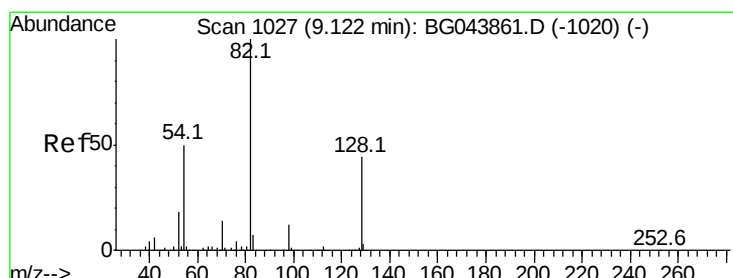
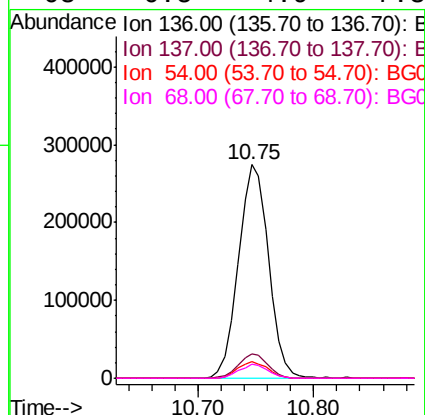
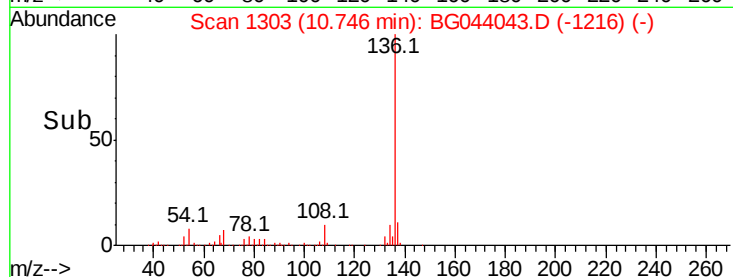
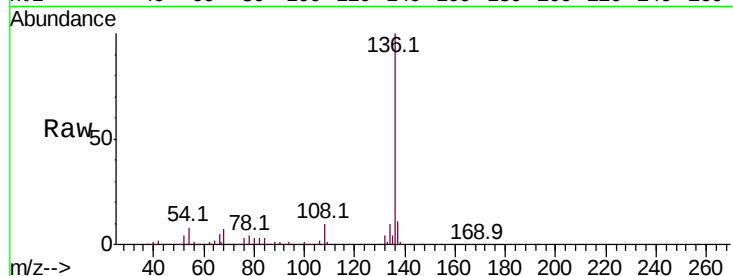




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044043.D
Acq: 14 Jan 2020 19:26

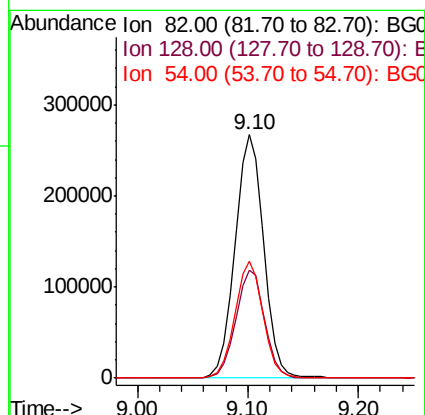
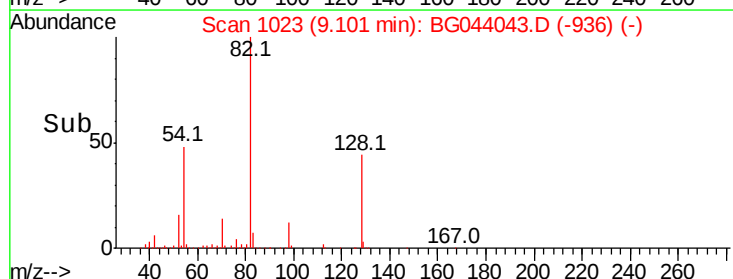
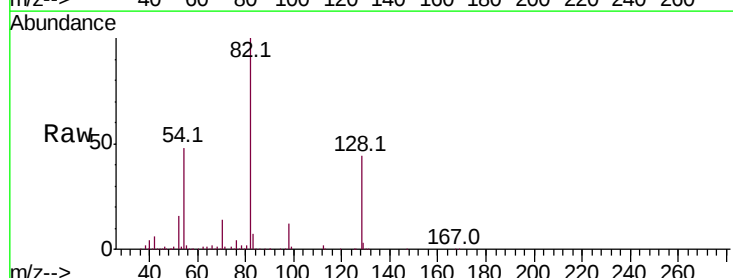
Instrument :
BNA_G
ClientSampleId :

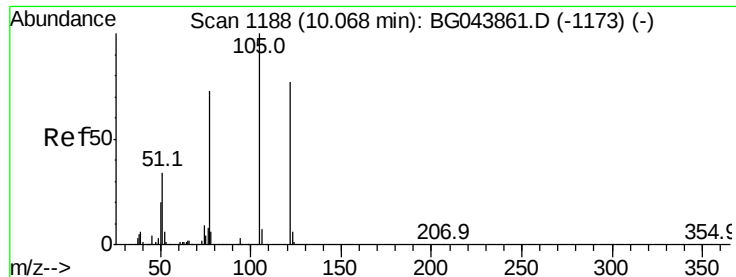
Tot Ion:136	Resp:	495588
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	7.6	7.0 10.4
68	6.5	4.9 7.3



#23
Nitrobenzene-d5
Concen: 52.433 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044043.D
Acq: 14 Jan 2020 19:26

Tgt Ion: 82	Resp:	485745
Ion Ratio	Lower	Upper
82	100	
128	44.1	35.1 52.7
54	48.1	40.1 60.1





#32

Benzoic acid

Concen: 6.281 ng

RT: 10.11 min Scan# 1195

Delta R.T. 0.04 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

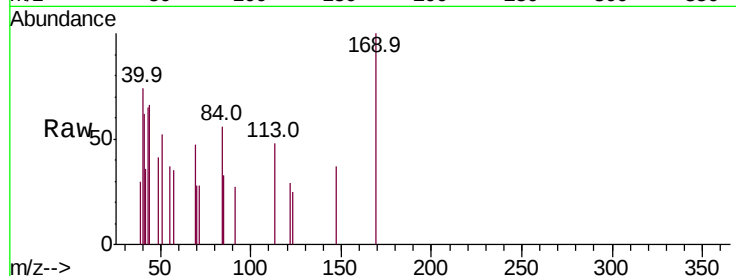
Tot Ion:122 Resp: 115

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

77 0.0 74.6 114.6#

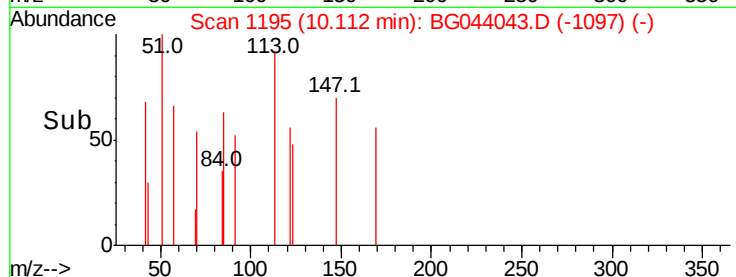


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time--> 10.08 10.10 10.12

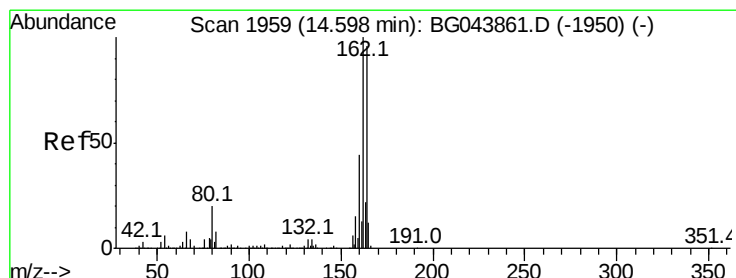


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time--> 10.08 10.10 10.12



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

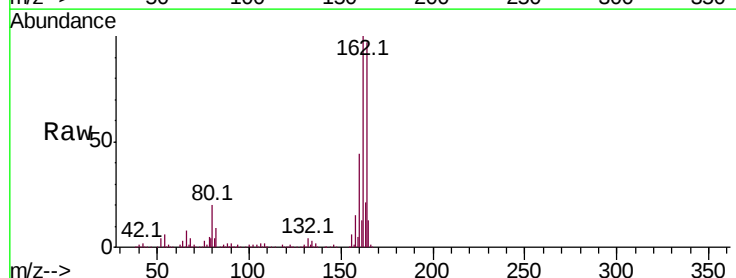
Tgt Ion:164 Resp: 311349

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.4

160 44.8 36.1 54.1

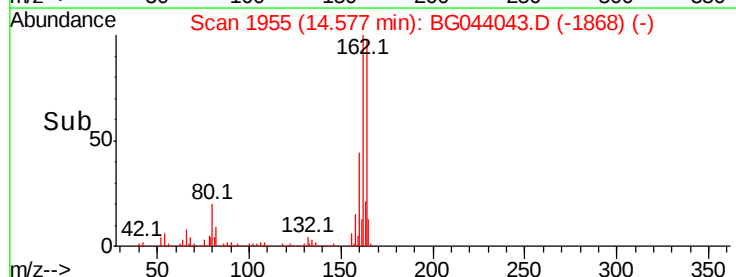


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time--> 14.50 14.60

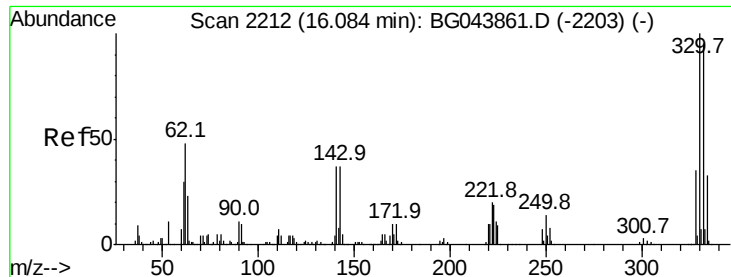


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

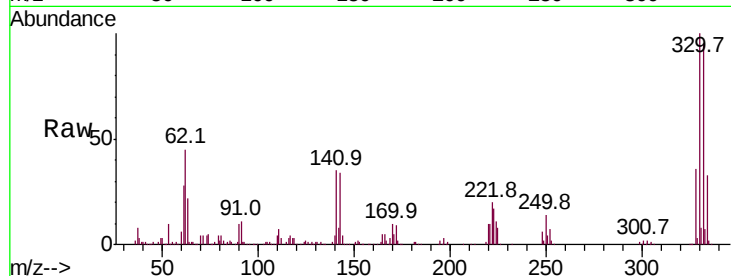
Time--> 14.50 14.60



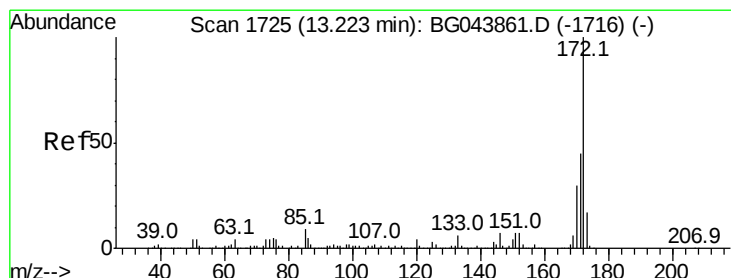
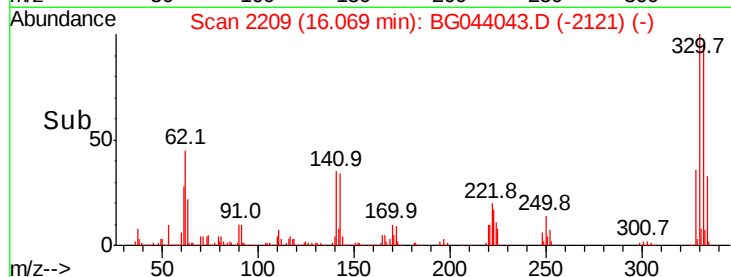
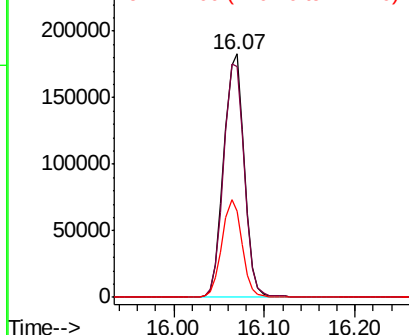
#42
 2,4,6-Tribromophenol
 Concen: 88.378 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG044043.D
 Acq: 14 Jan 2020 19:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.2	115.8
141	39.3	33.1	49.7

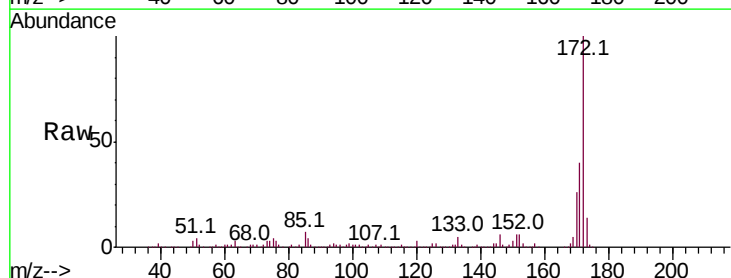


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

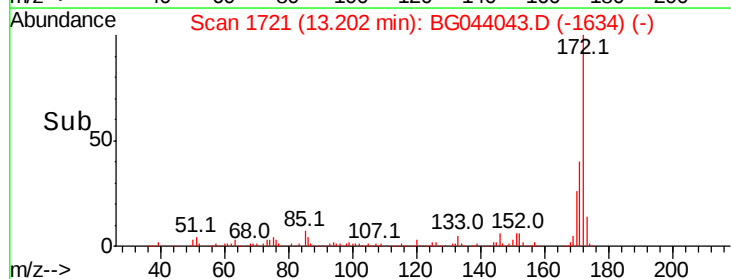
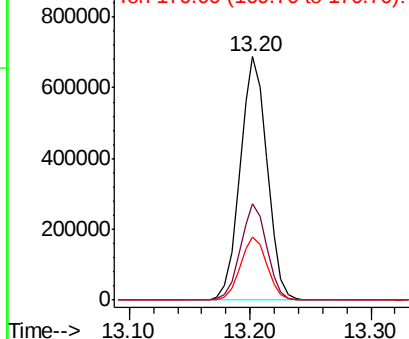


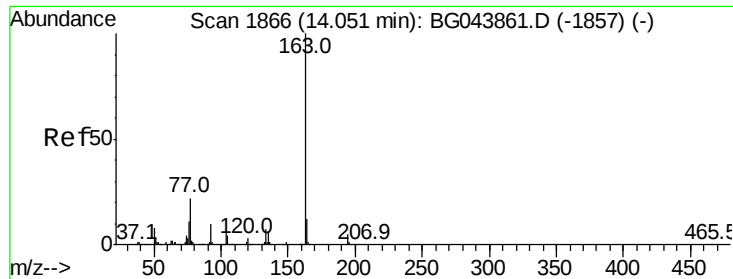
#45
 2-Fluorobiphenyl
 Concen: 62.351 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044043.D
 Acq: 14 Jan 2020 19:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.8	35.8	53.8
170	25.8	24.2	36.4



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: 6.159 ng

RT: 14.03 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

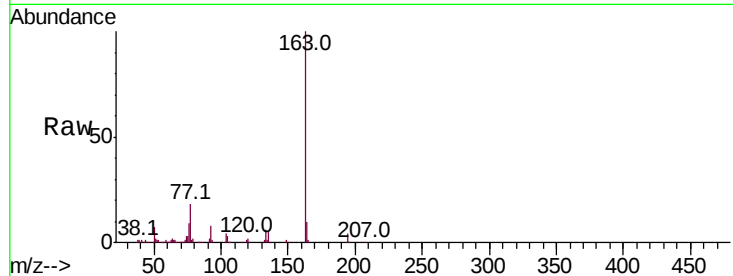
Tot Ion:163 Resp: 136147

Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

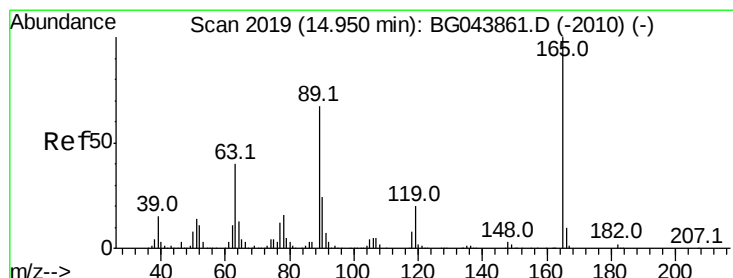
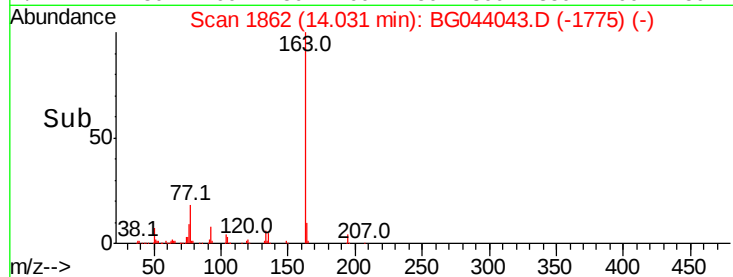
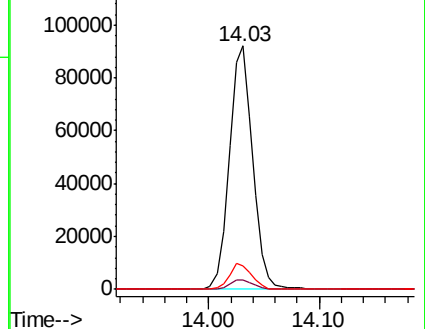
164 9.6 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.123 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.37 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Tgt Ion:165 Resp: 41629

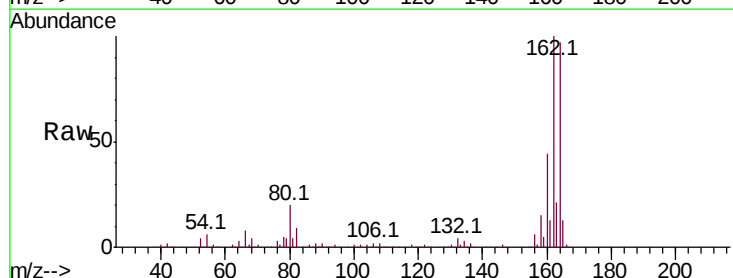
Ion Ratio Lower Upper

165 100

63 1.2 31.9 47.9#

89 1.7 53.8 80.6#

182 0.0 2.0 3.0#

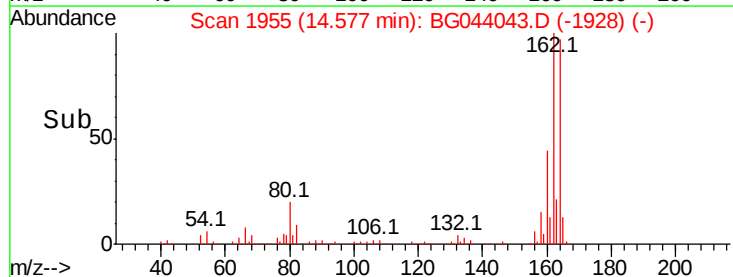
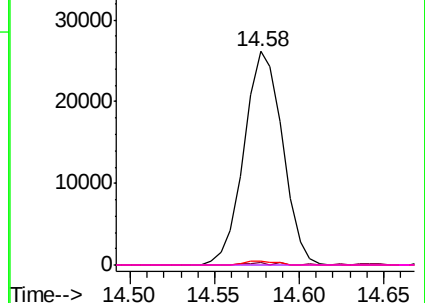


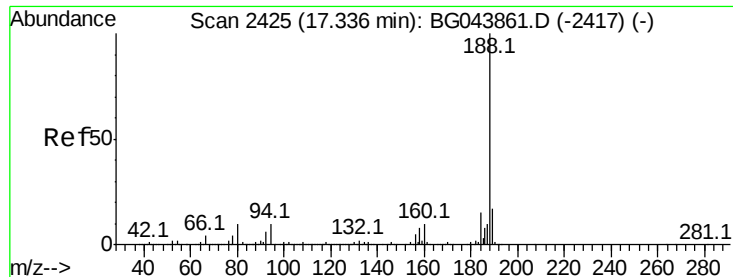
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

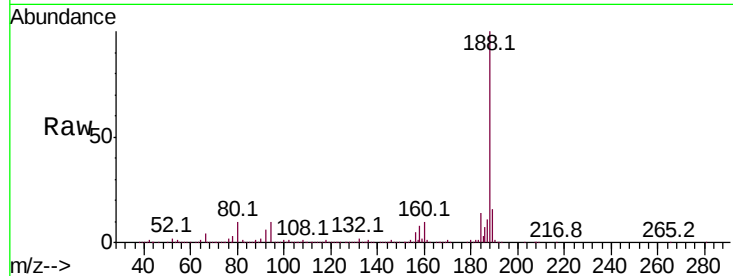
Tot Ion:188 Resp: 640721

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

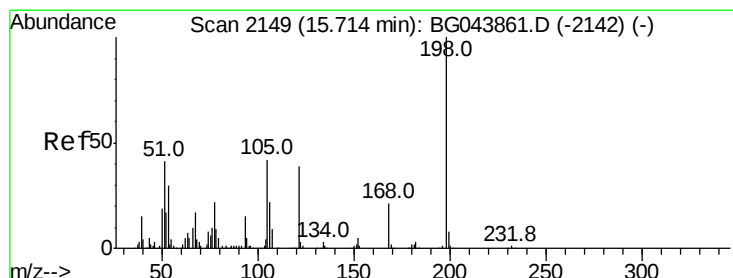
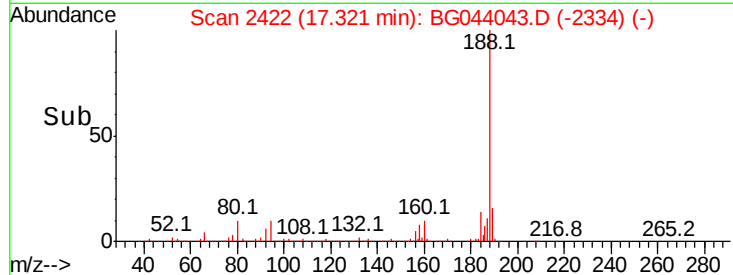
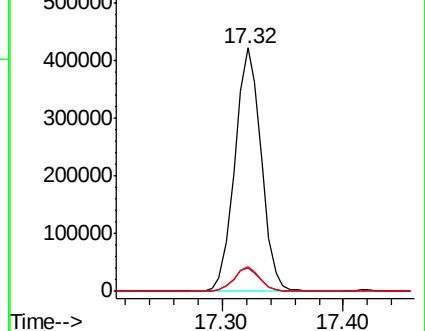
80 10.1 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.649 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

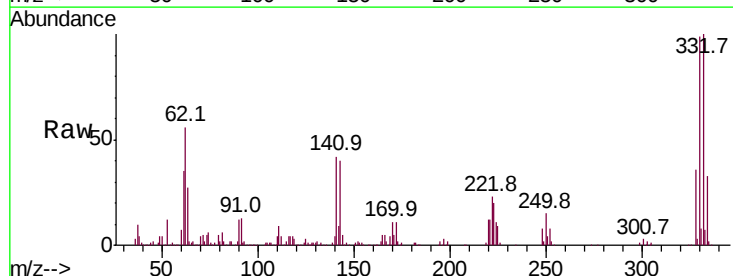
Tgt Ion:198 Resp: 943

Ion Ratio Lower Upper

198 100

51 132.7 22.5 62.5#

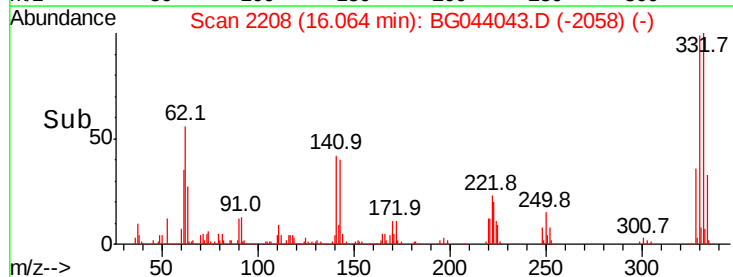
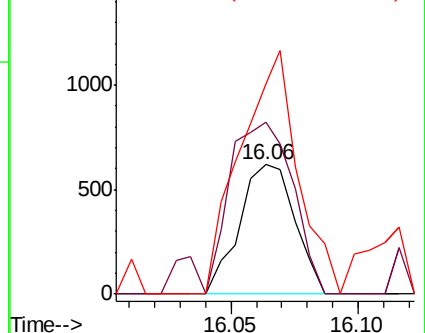
105 162.7 22.3 62.3#

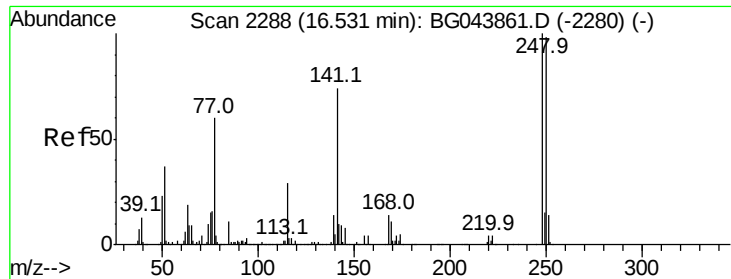


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

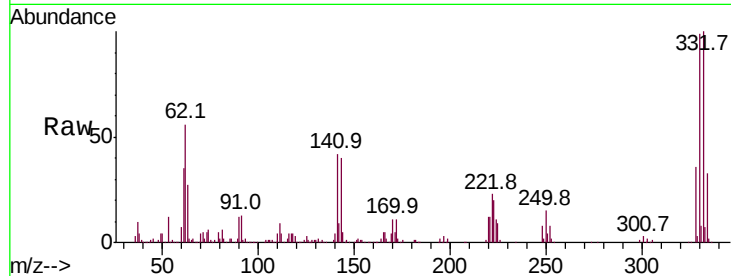




#67
 4-Bromophenyl-phenylether
 Concen: 2.835 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044043.D
 Acq: 14 Jan 2020 19:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	184.4	78.2	117.2#
141	527.8	59.3	88.9#

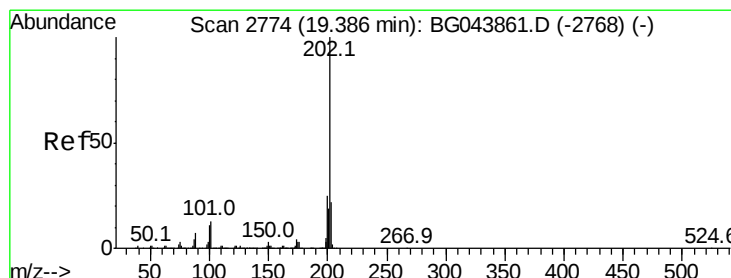
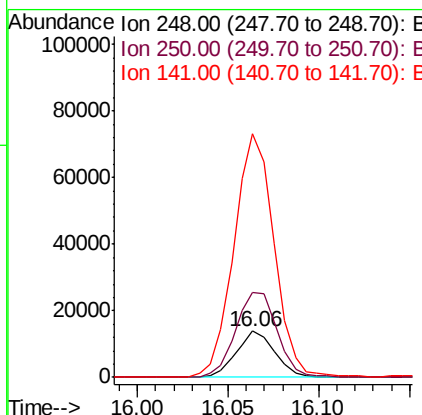
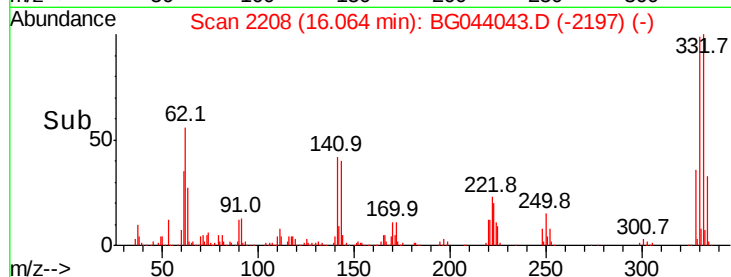


Abundance

Ion 248.00 (247.70 to 248.70): E

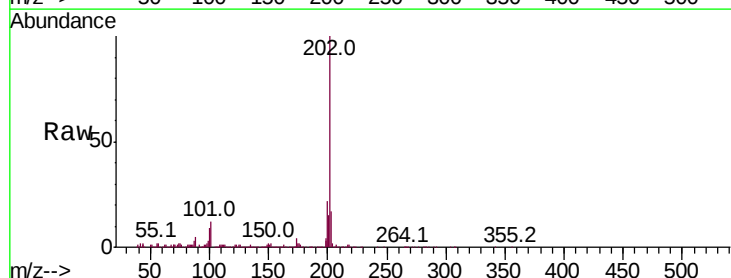
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Fluoranthene
 Concen: 5.713 ng
 RT: 19.37 min Scan# 2771
 Delta R.T. -0.01 min
 Lab File: BG044043.D
 Acq: 14 Jan 2020 19:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.3
203	17.5	1.6	41.6

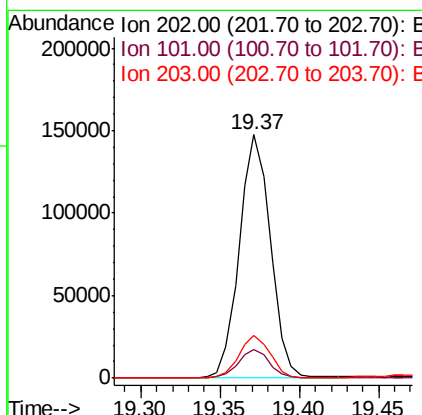
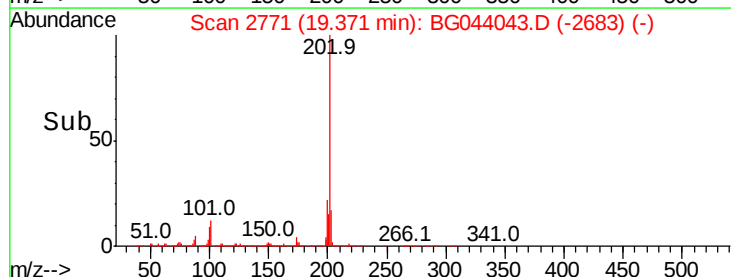


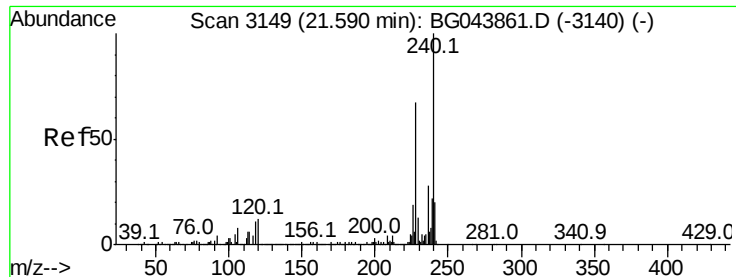
Abundance

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: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

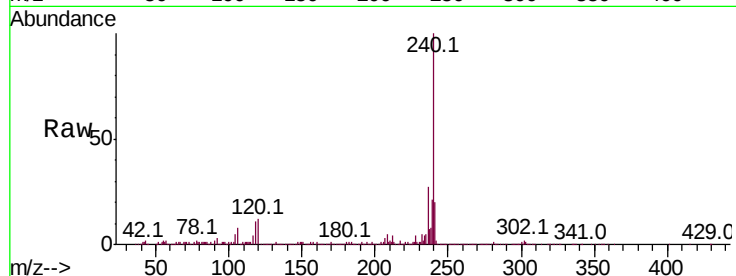
Tot Ion:240 Resp: 546550

Ion Ratio Lower Upper

240 100

120 12.0 9.6 14.4

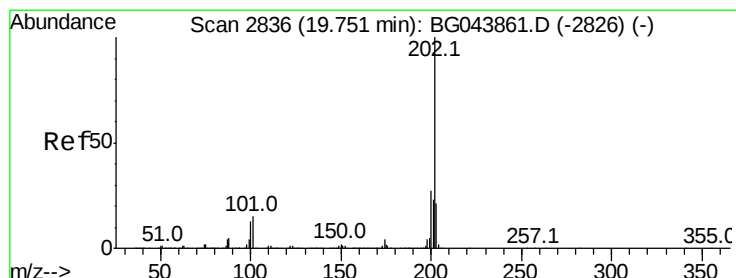
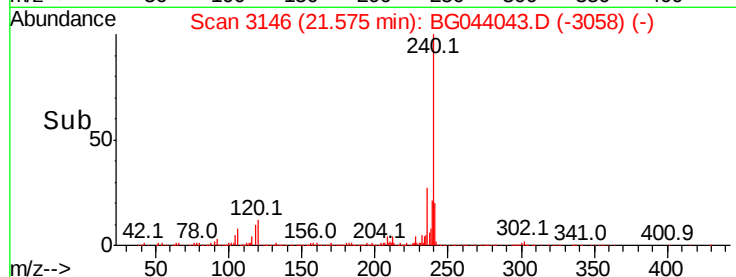
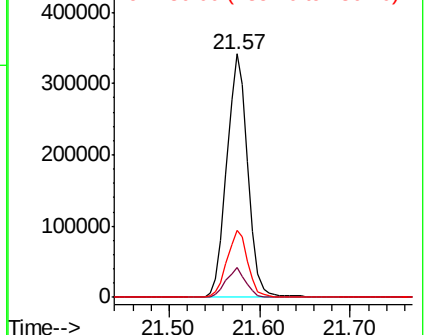
236 27.3 22.2 33.2



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: 5.628 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.38 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

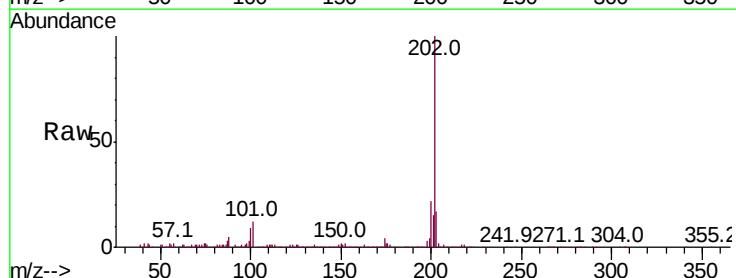
Tgt Ion:202 Resp: 200779

Ion Ratio Lower Upper

202 100

200 22.0 21.7 32.5

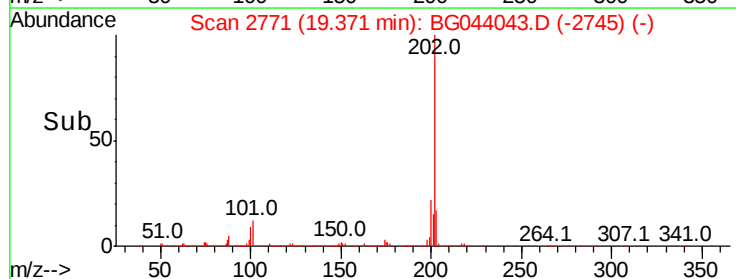
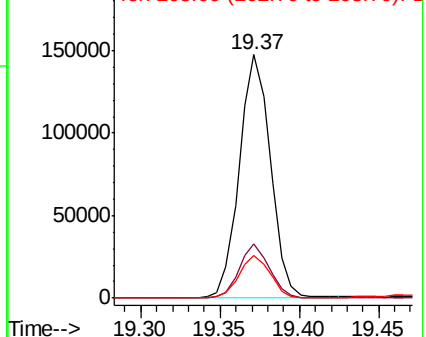
203 17.5 17.0 25.6

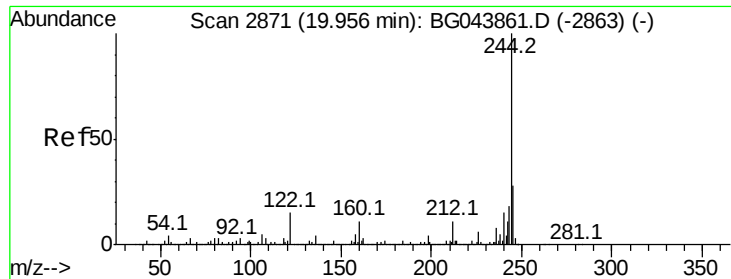


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 58.766 ng

RT: 19.94 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

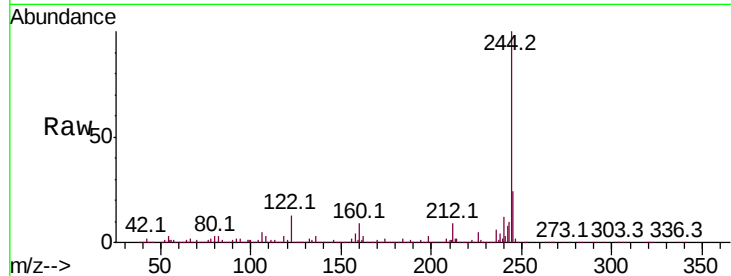
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1459167

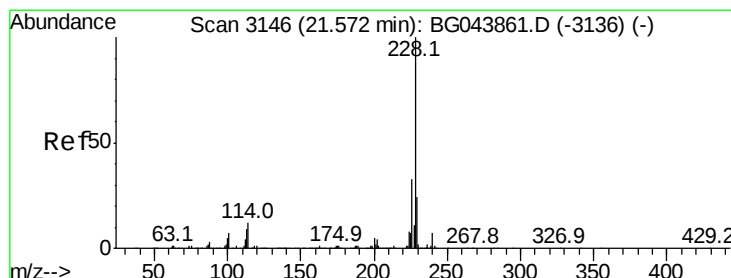
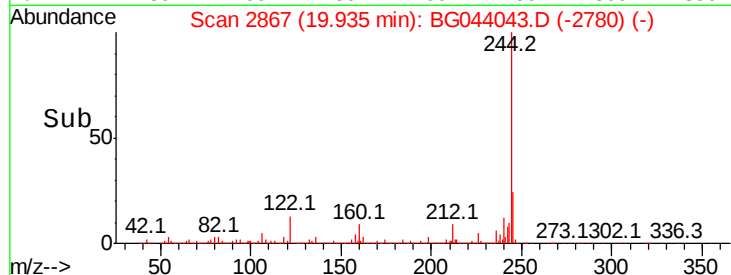
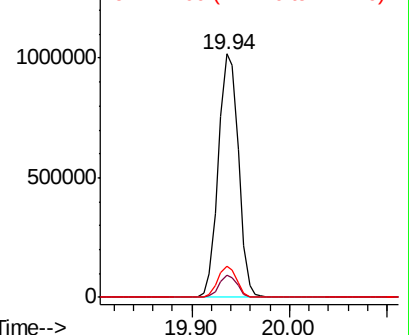
Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.6	13.0
122	12.8	11.9	17.9



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



#81

Benzo(a)anthracene

Concen: 2.919 ng

RT: 21.56 min Scan# 3143

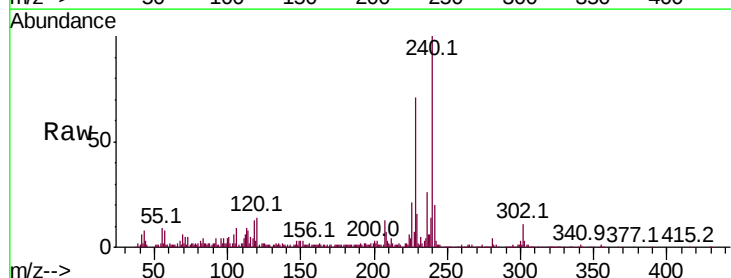
Delta R.T. -0.01 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Tgt Ion:228 Resp: 98931

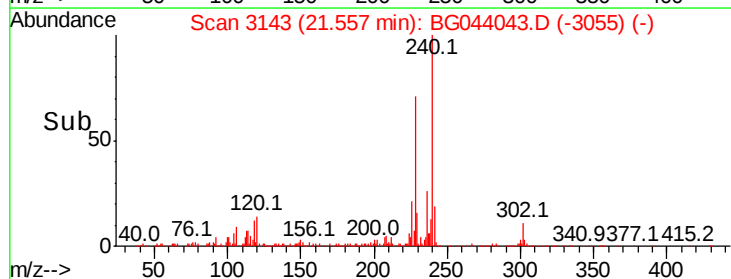
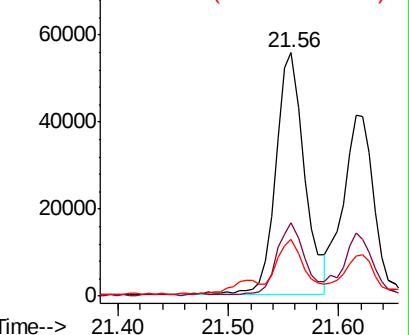
Ion	Ratio	Lower	Upper
228	100		
226	30.2	26.2	39.4
229	23.2	18.9	28.3

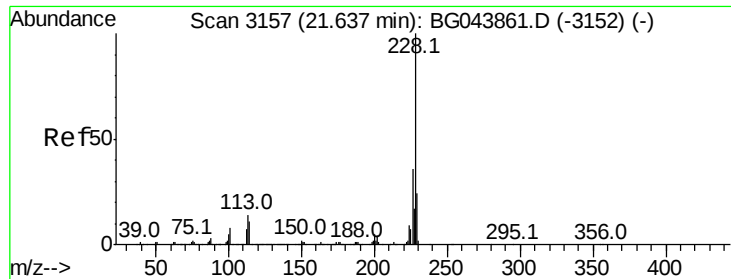


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.546 ng

RT: 21.62 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

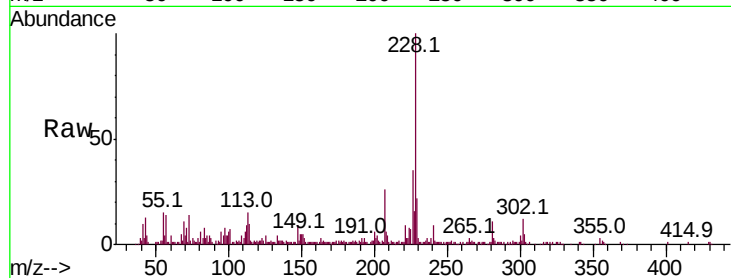
Tot Ion:228 Resp: 81997

Ion Ratio Lower Upper

228 100

226 34.8 28.8 43.2

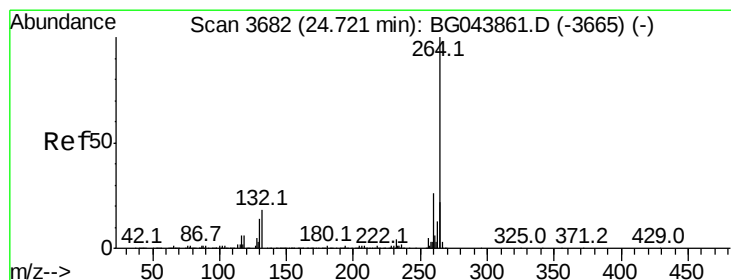
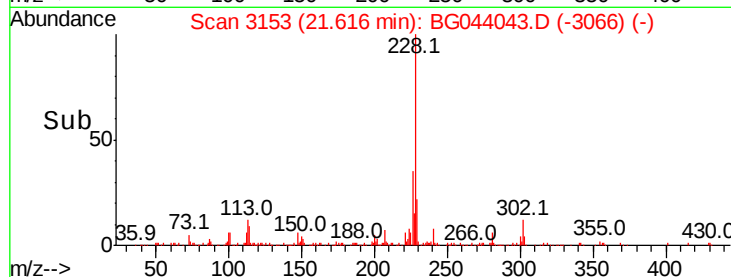
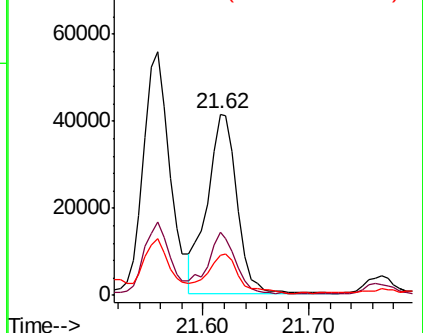
229 22.4 19.0 28.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.73 min Scan# 3683

Delta R.T. 0.01 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

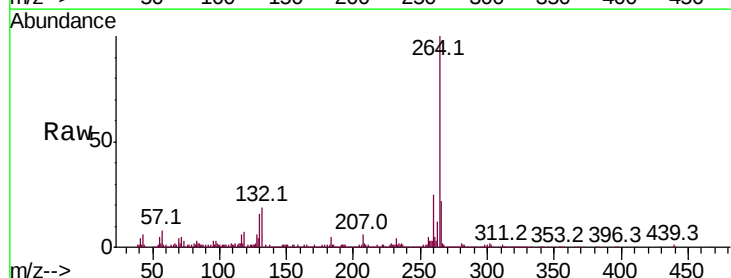
Tgt Ion:264 Resp: 613727

Ion Ratio Lower Upper

264 100

260 24.7 20.4 30.6

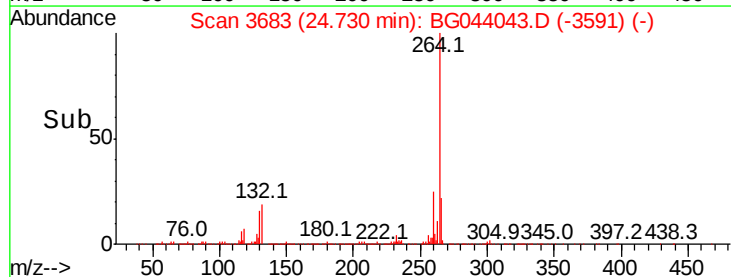
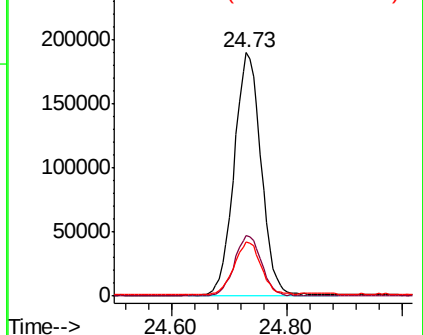
265 22.3 17.4 26.2

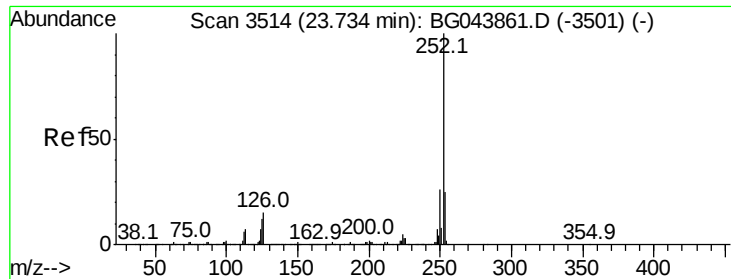


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.103 ng

RT: 23.73 min Scan# 3512

Delta R.T. -0.01 min

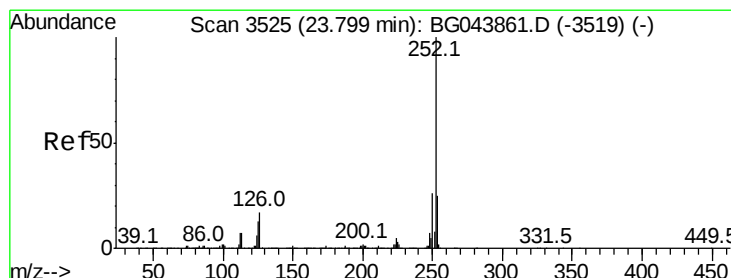
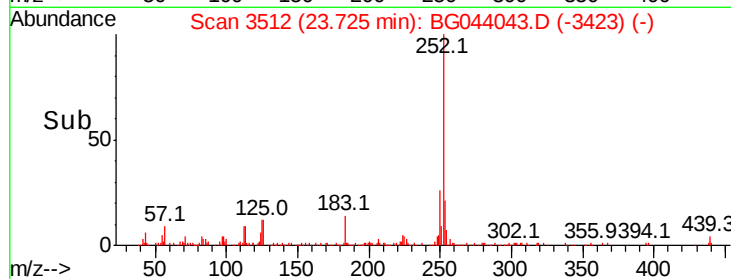
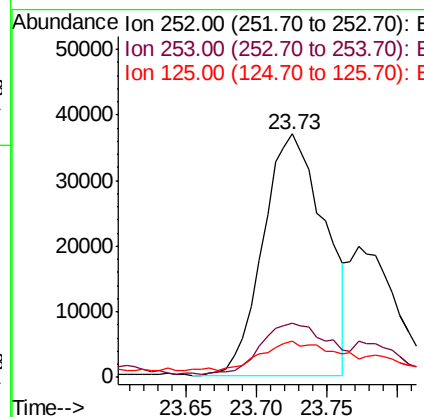
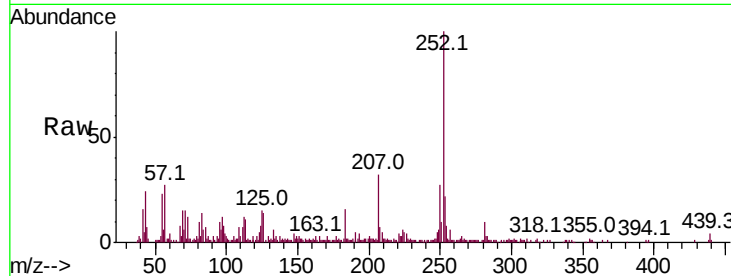
Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 112591

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.7	29.5
125	14.6	9.4	14.2#



#89

Benzo(k)fluoranthene

Concen: 3.263 ng

RT: 23.73 min Scan# 3512

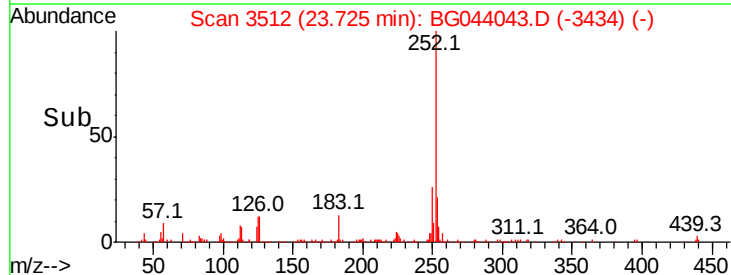
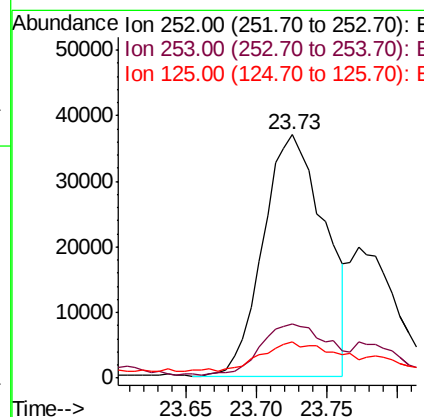
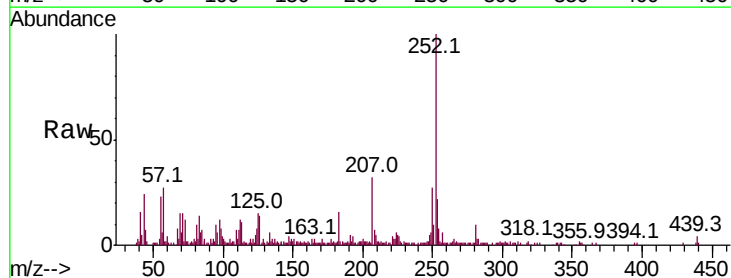
Delta R.T. -0.07 min

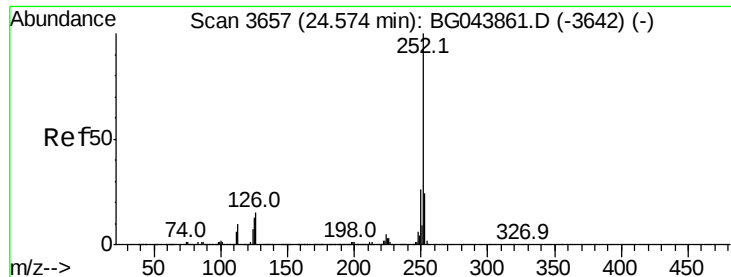
Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Tgt Ion:252 Resp: 112591

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.4	29.2
125	14.6	9.9	14.9





#90

Benzo(a)pyrene

Concen: 2.522 ng

RT: 24.57 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BG044043.D

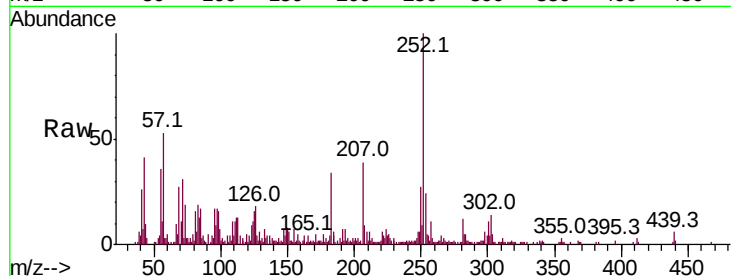
Acq: 14 Jan 2020 19:26

Instrument :

BNA_G

ClientSampleId :

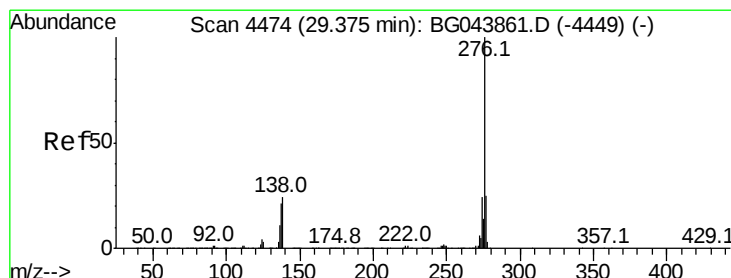
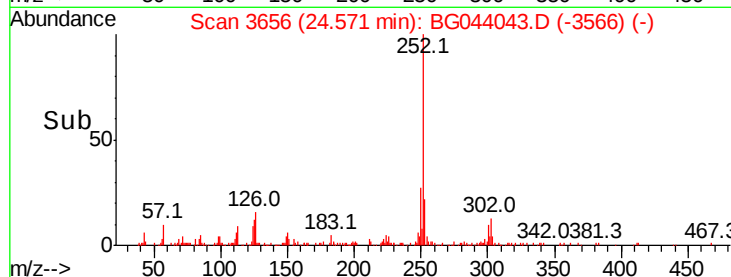
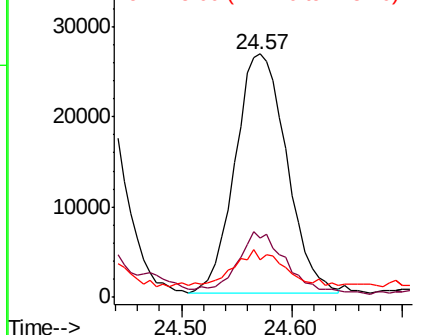
Tot Ion:252	Resp:	86362
Ion Ratio	Lower	Upper
252	100	
253	24.3	19.3 28.9
125	15.6	10.4 15.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.197 ng

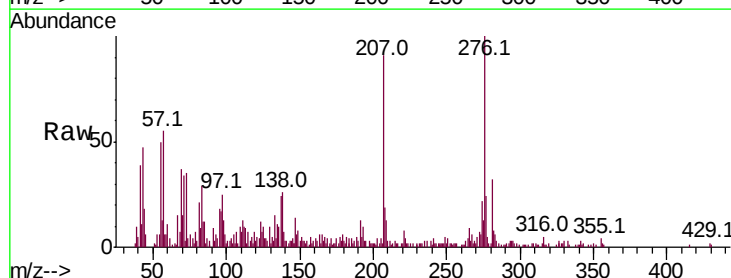
RT: 29.47 min Scan# 4490

Delta R.T. 0.10 min

Lab File: BG044043.D

Acq: 14 Jan 2020 19:26

Tgt Ion:276	Resp:	75059
Ion Ratio	Lower	Upper
276	100	
277	24.0	20.2 30.4
138	26.2	19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

