

Data File : BG044654.D
Acq On : 3 Mar 2020 6:21
Operator : CG/JU
Sample : L1743-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C-7

Quant Time: Mar 03 08:17:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 24 16:11:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	65099	20.00	ng	-0.07
21) Naphthalene-d8	10.60	136	309522	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	205996	20.00	ng	-0.06
64) Phenanthrene-d10	17.20	188	438539	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	393166	20.00	ng	-0.07
87) Perylene-d12	24.45	264	446732	20.00	ng	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	427428	105.35	ng	-0.07
7) Phenol-d6	6.98	99	589863	106.21	ng	-0.07
23) Nitrobenzene-d5	8.96	82	354843	59.06	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	235798	80.73	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	851314	59.18	ng	-0.06
79) Terphenyl-d14	19.82	244	1202844	57.92	ng	-0.06

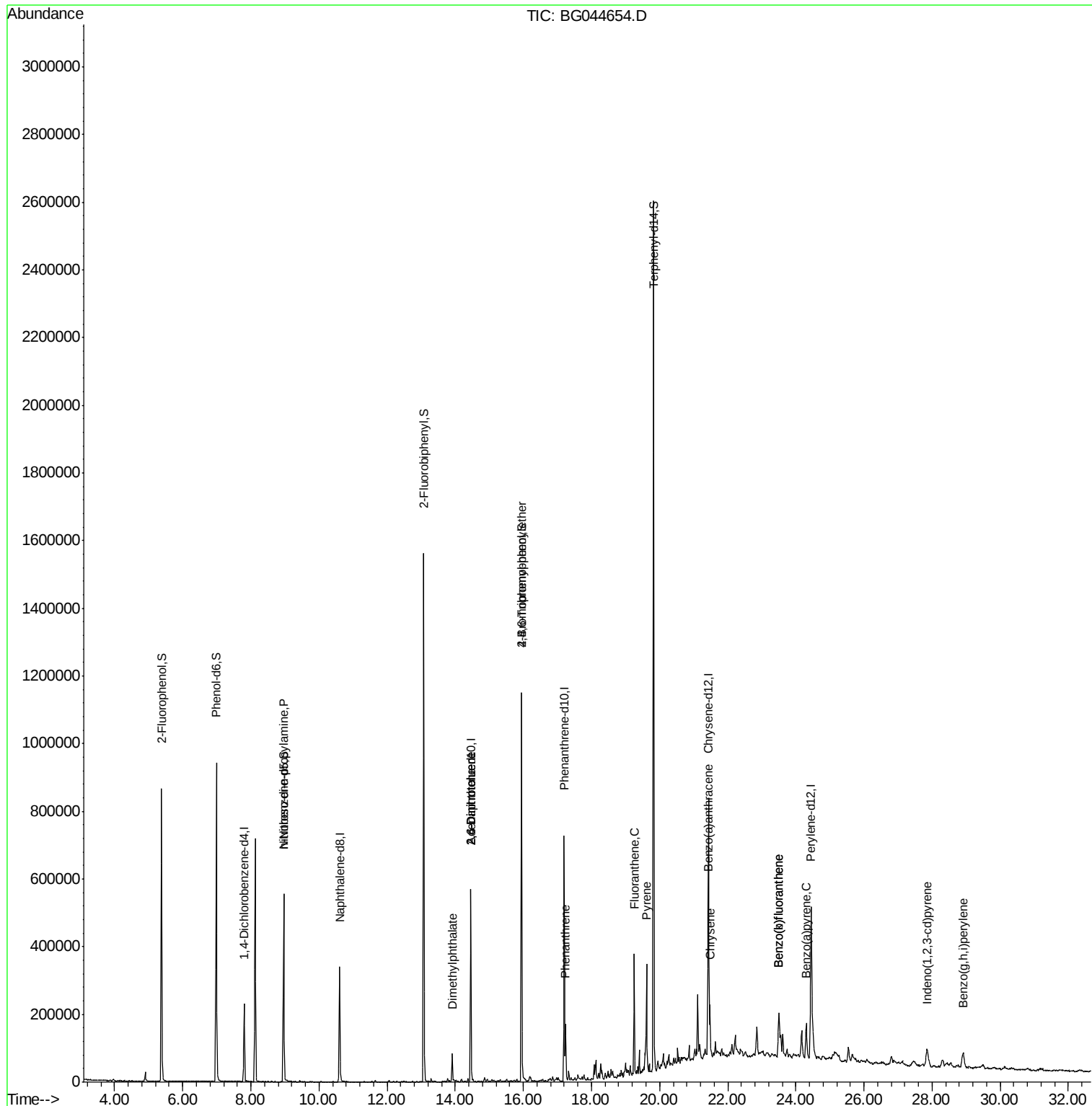
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.96	70	45301	12.690	ng	# 78
50) Dimethylphthalate	13.91	163	61752	3.714	ng	96
51) 2,6-Dinitrotoluene	14.46	165	27851	7.595	ng	# 32
57) 2,4-Dinitrotoluene	14.46	165	27851	5.402	ng	# 30
67) 4-Bromophenyl-phenylether	15.95	248	15752	2.894	ng	# 1
71) Phenanthrene	17.24	178	104098	4.288	ng	97
75) Fluoranthene	19.26	202	211457	7.357	ng	98
78) Pyrene	19.62	202	193489	6.779	ng	96
81) Benzo(a)anthracene	21.41	228	112569	4.074	ng	98
83) Chrysene	21.48	228	105121	3.935	ng	96
86) Indeno(1,2,3-cd)pyrene	27.85	276	79757	2.326	ng	# 84
88) Benzo(b)fluoranthene	23.50	252	146581	4.991	ng	98
89) Benzo(k)fluoranthene	23.50	252	146581	5.143	ng	97
90) Benzo(a)pyrene	24.30	252	105809	3.834	ng	97
92) Benzo(g,h,i)perylene	28.91	276	82538	3.018	ng	99

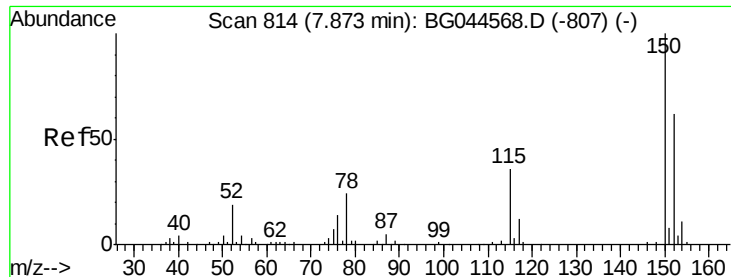
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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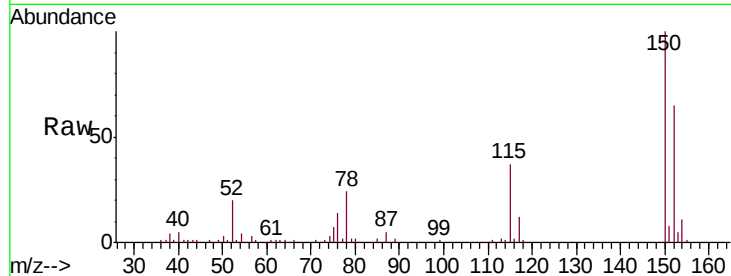


#1

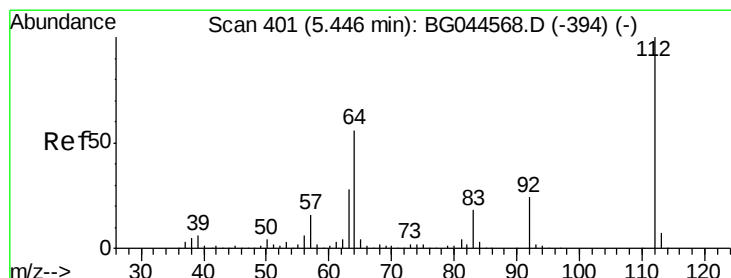
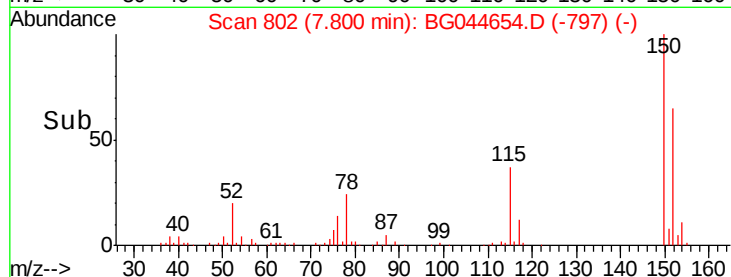
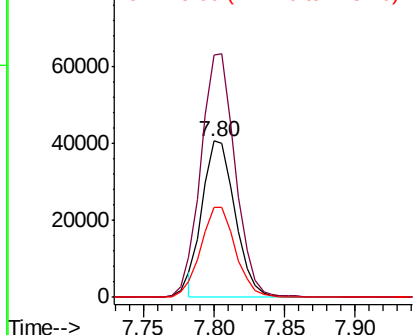
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.80 min Scan# 802
 Delta R.T. -0.07 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Instrument :
 BNA_G
 ClientSampleId :
 C-7

Tgt Ion:152 Resp: 65099
 Ion Ratio Lower Upper
 152 100
 150 155.0 128.9 193.3
 115 57.7 47.0 70.4



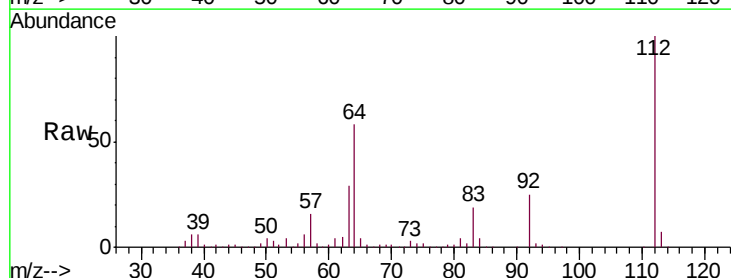
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



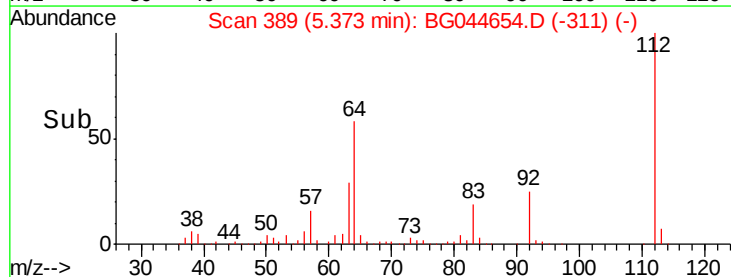
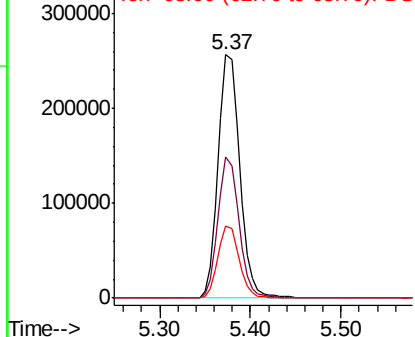
#5

2-Fluorophenol
 Concen: 105.347 ng
 RT: 5.37 min Scan# 389
 Delta R.T. -0.07 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Tgt Ion:112 Resp: 427428
 Ion Ratio Lower Upper
 112 100
 64 57.8 44.8 67.2
 63 29.5 22.3 33.5



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: 106.210 ng

RT: 6.98 min Scan# 663

Delta R.T. -0.07 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Instrument :

BNA_G

ClientSampleId :

C-7

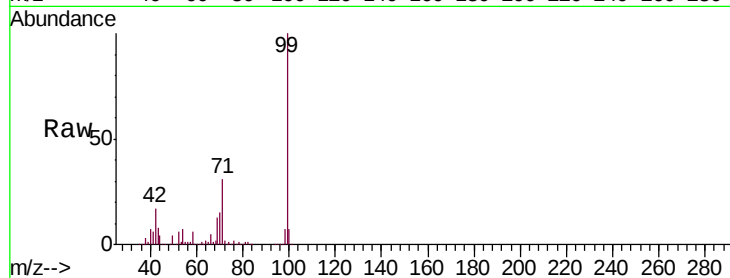
Tgt Ion: 99 Resp: 589863

Ion Ratio Lower Upper

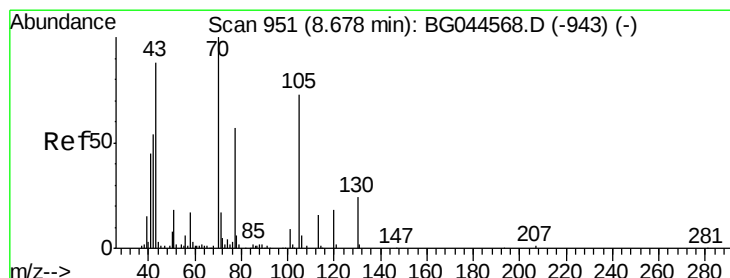
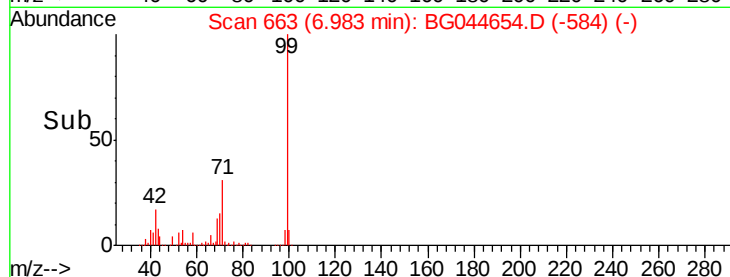
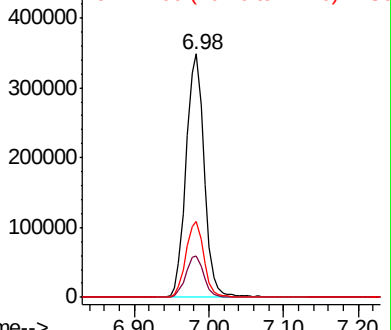
99 100

42 17.2 12.8 19.2

71 31.0 24.4 36.6



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: 12.690 ng

RT: 8.96 min Scan# 1000

Delta R.T. 0.29 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Tgt Ion: 70 Resp: 45301

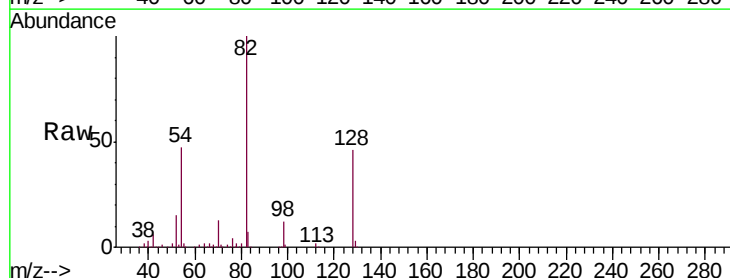
Ion Ratio Lower Upper

70 100

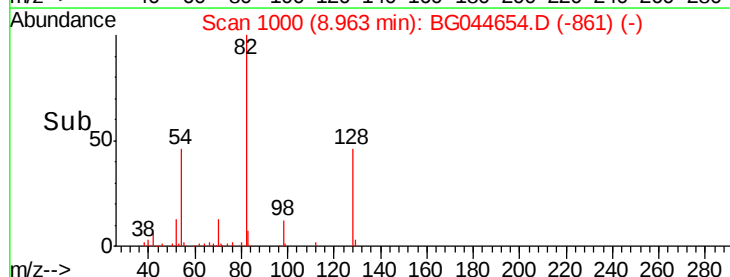
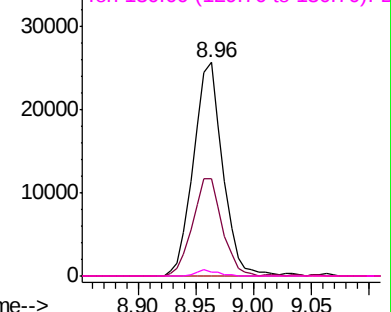
42 45.7 43.4 65.0

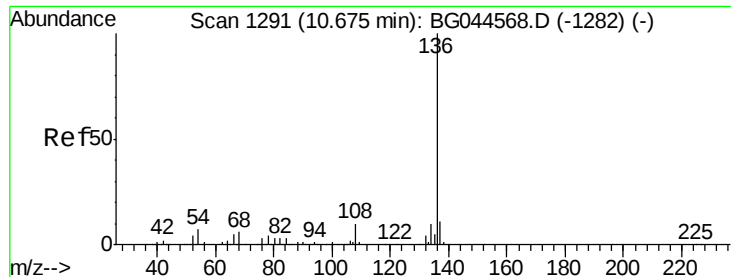
101 0.0 7.5 11.3#

130 1.8 18.9 28.3#



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

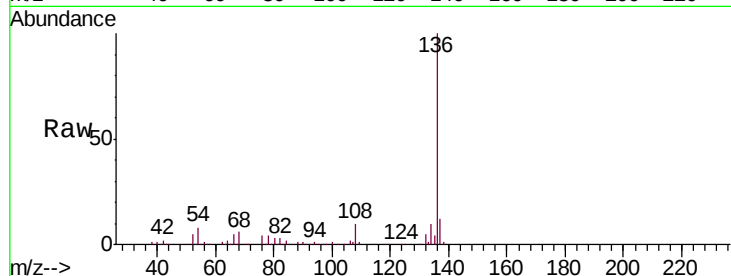




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1279
Delta R.T. -0.07 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Instrument :
BNA_G
ClientSampleId :
C-7

Tgt Ion:	136	Resp:	309522
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	7.6	5.7	8.5
68	5.9	4.5	6.7



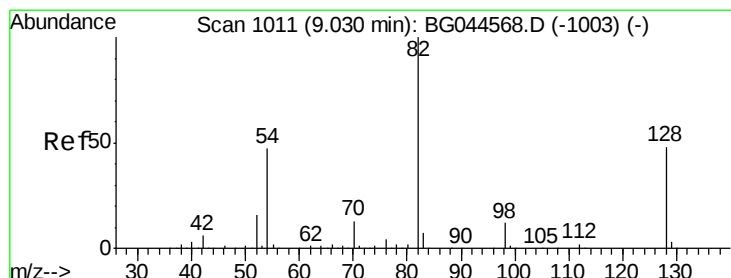
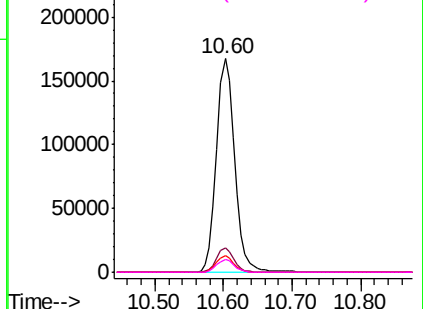
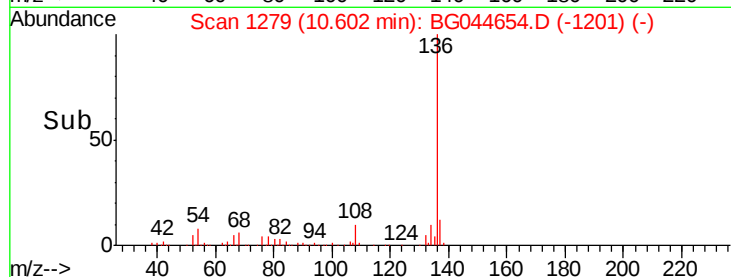
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

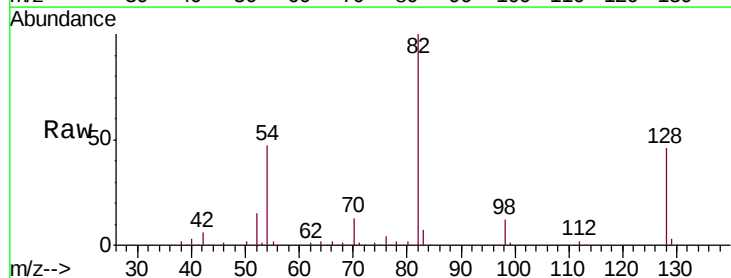
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 59.062 ng
RT: 8.96 min Scan# 1000
Delta R.T. -0.07 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Tgt Ion:	82	Resp:	354843
Ion	Ratio	Lower	Upper
82	100		
128	46.5	38.1	57.1
54	46.8	37.5	56.3

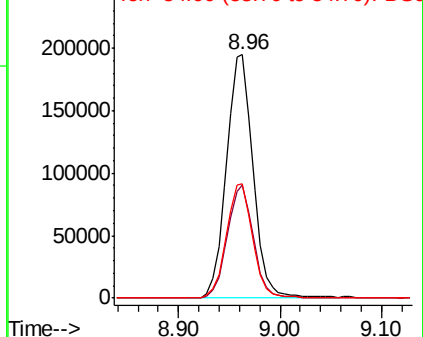
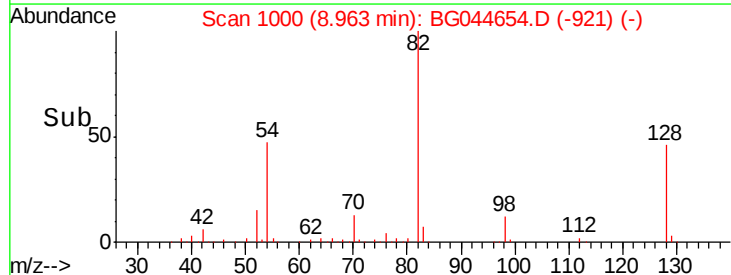


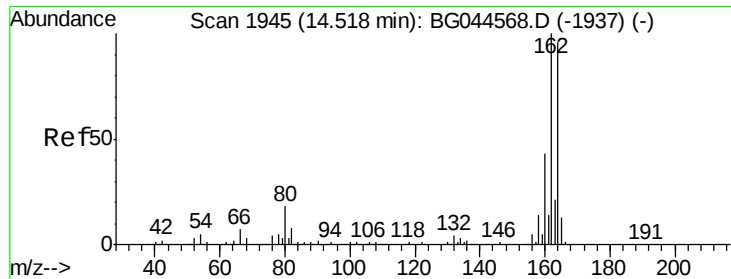
Abundance

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.06 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Instrument :

BNA_G

ClientSampleId :

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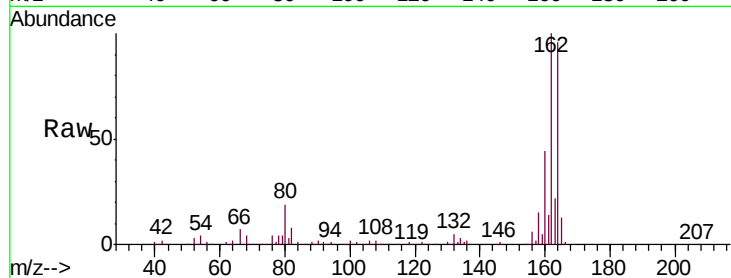
Tgt Ion:164 Resp: 205996

Ion Ratio Lower Upper

164 100

162 104.3 83.6 125.4

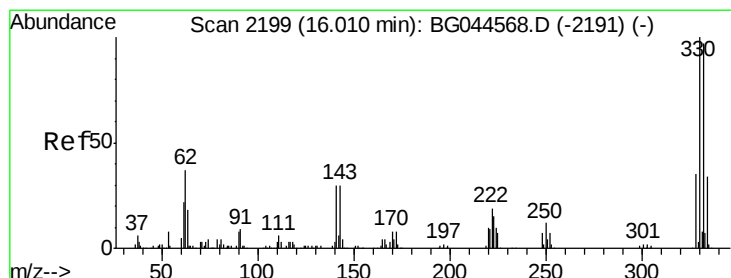
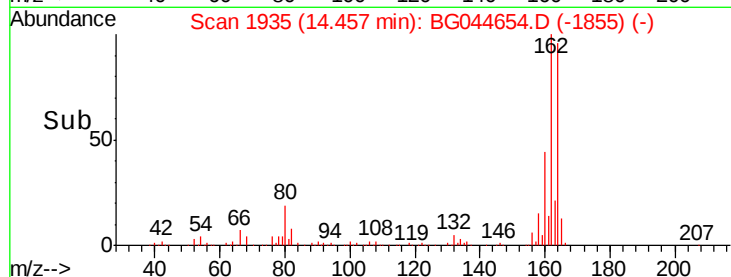
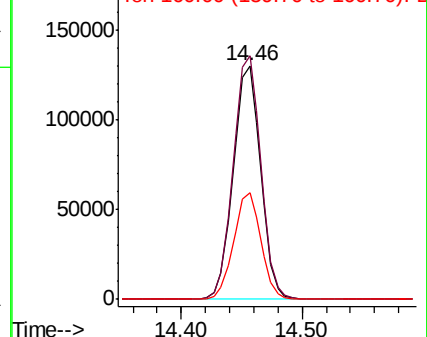
160 45.6 36.2 54.4



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: 80.729 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

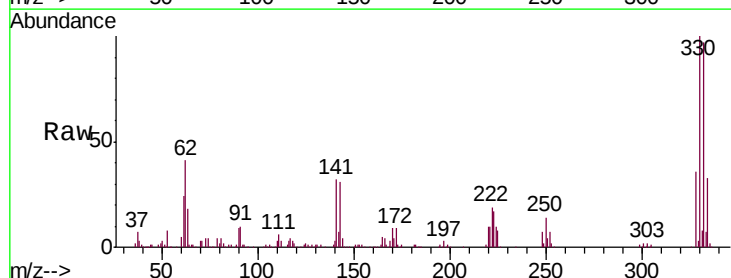
Tgt Ion:330 Resp: 235798

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.0

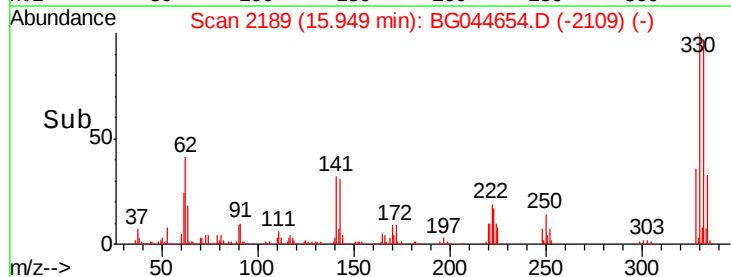
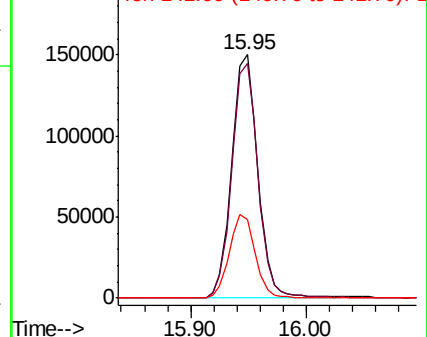
141 34.5 26.1 39.1

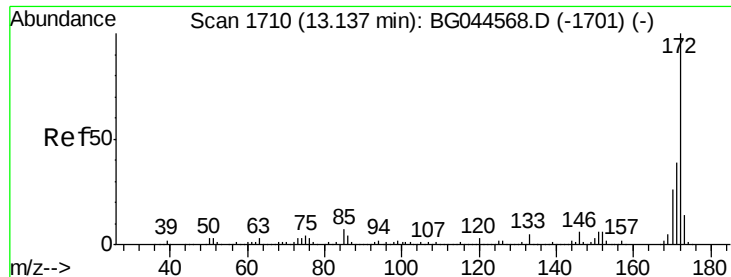


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

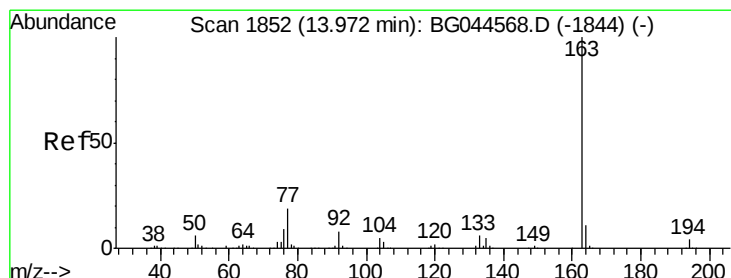
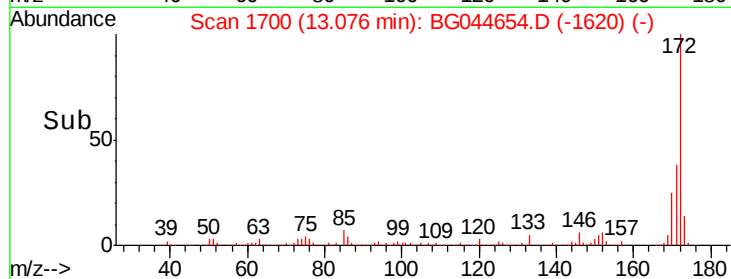
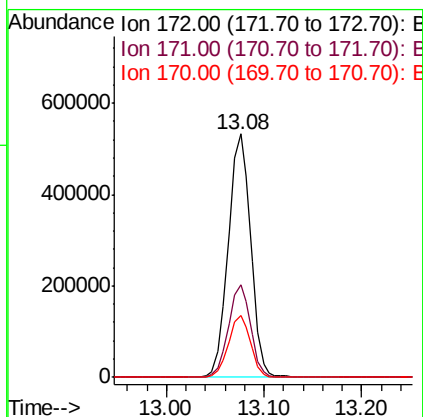
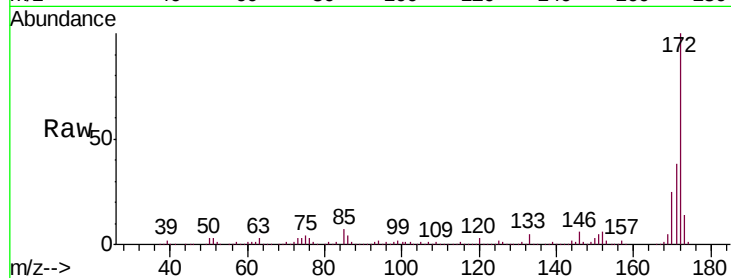




#45
 2-Fluorobiphenyl
 Concen: 59.179 ng
 RT: 13.08 min Scan# 1700
 Delta R.T. -0.06 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

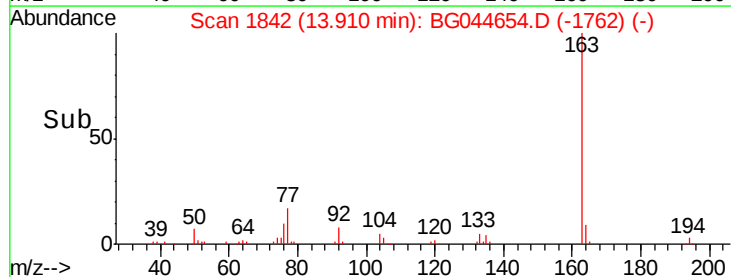
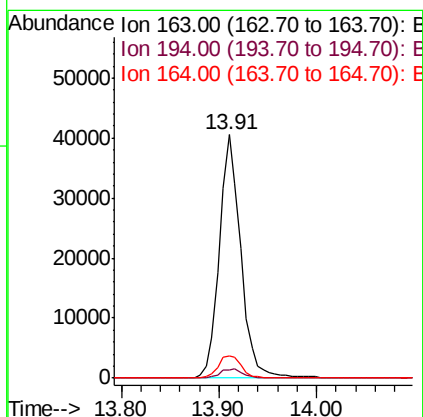
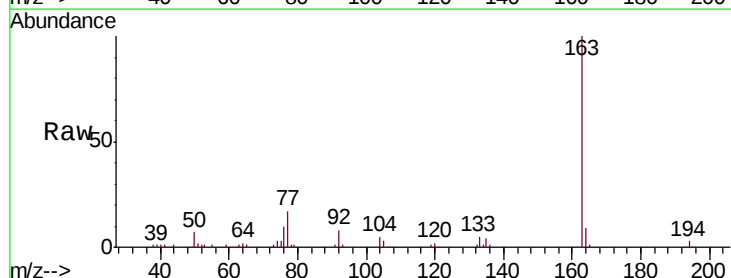
Instrument :
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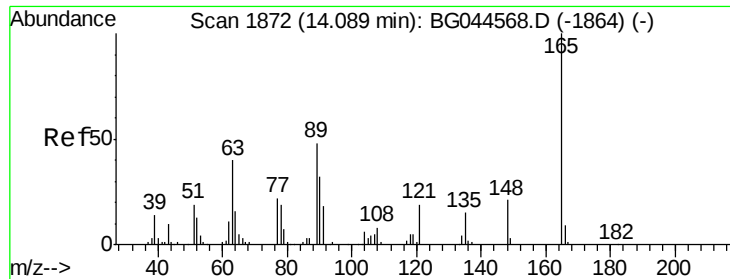
Tgt Ion:172 Resp: 851314
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.3 46.9
 170 25.2 21.0 31.4



#50
 Dimethylphthalate
 Concen: 3.714 ng
 RT: 13.91 min Scan# 1842
 Delta R.T. -0.06 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Tgt Ion:163 Resp: 61752
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.4 5.0
 164 9.1 8.7 13.1

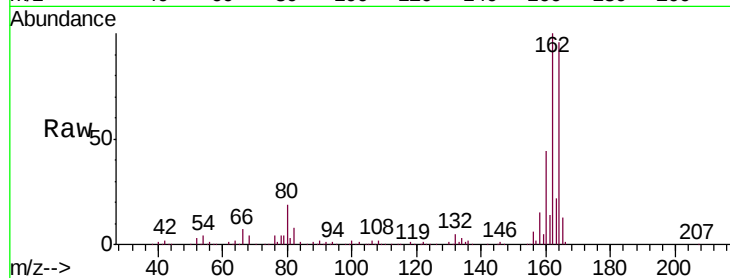




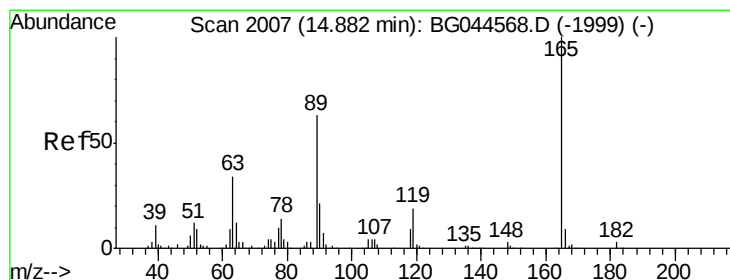
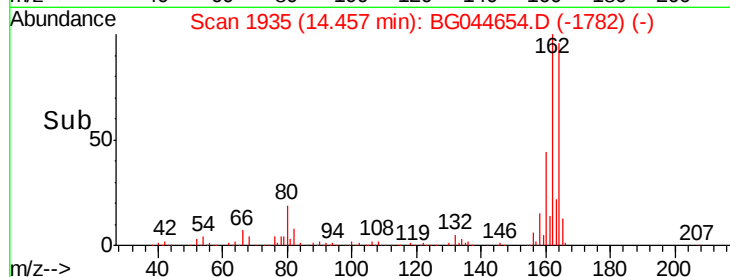
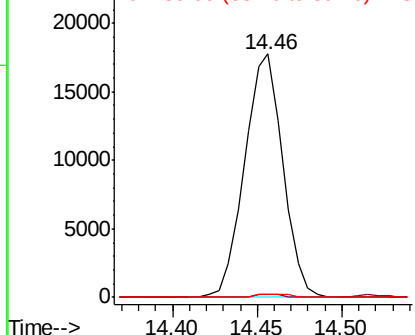
#51
 2,6-Dinitrotoluene
 Concen: 7.595 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. 0.37 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.8	53.6#
89	1.2	38.7	58.1#



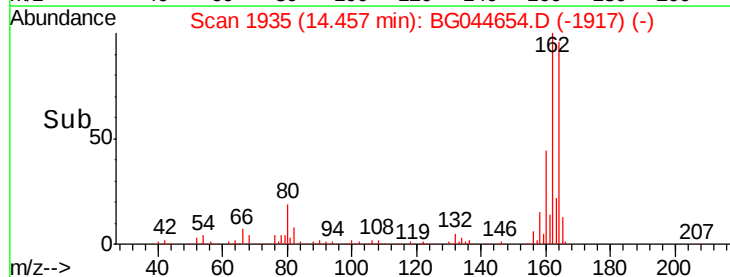
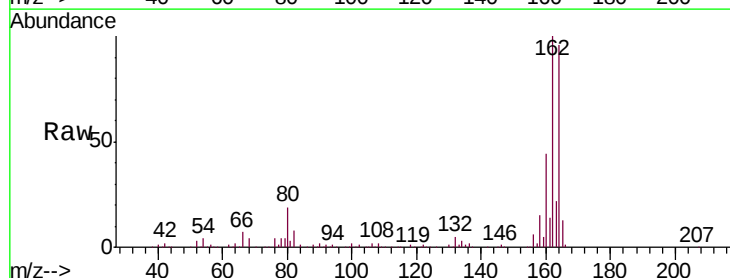
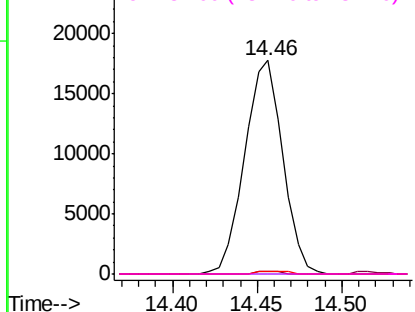
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

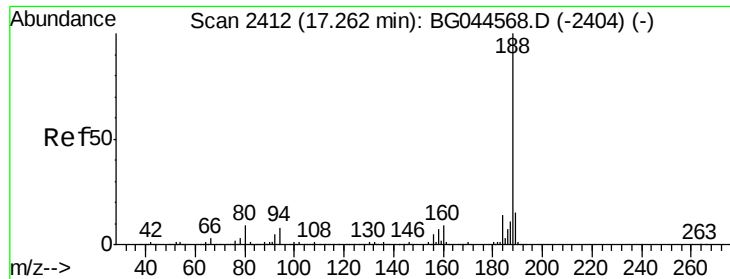


#57
 2,4-Dinitrotoluene
 Concen: 5.402 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. -0.43 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.5	41.3#
89	1.2	50.0	75.0#
182	0.0	2.3	3.5#

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

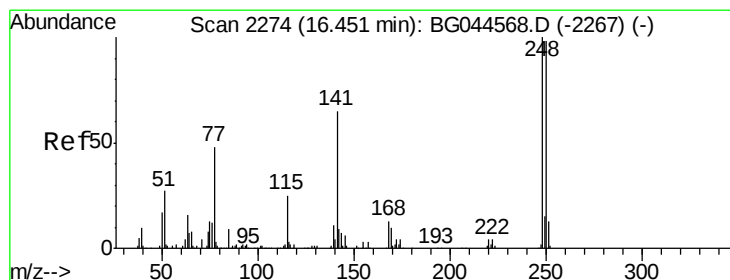
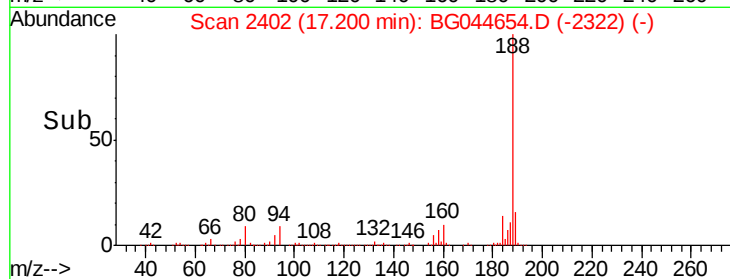
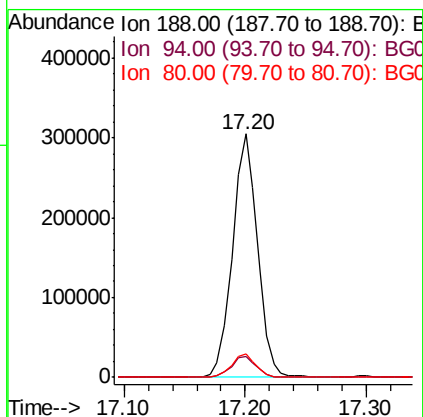
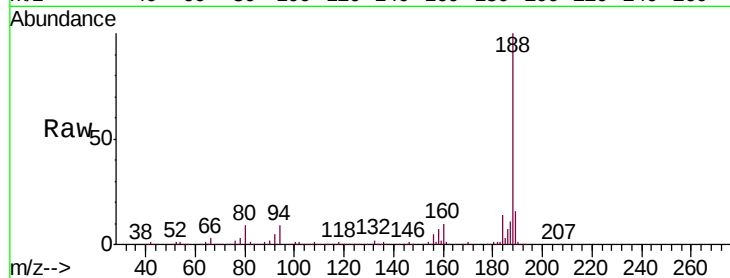




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.20 min Scan# 2402
Delta R.T. -0.06 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

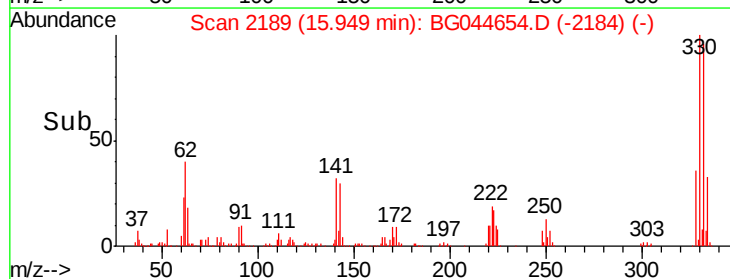
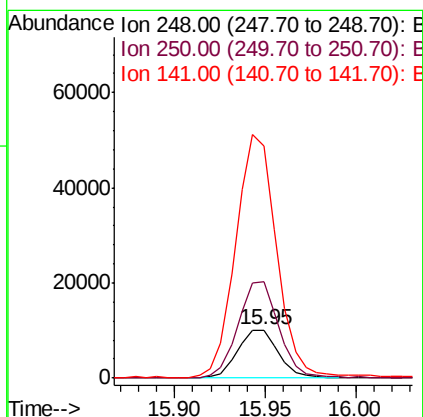
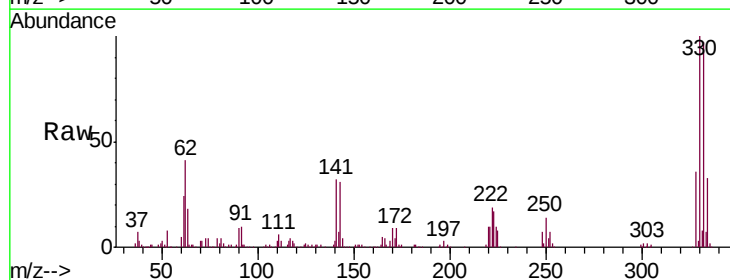
Instrument :
BNA_G
ClientSampleId :
C-7

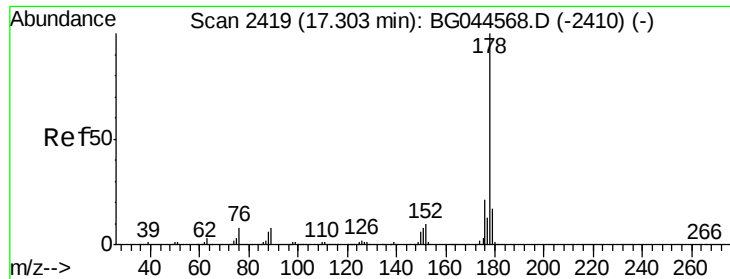
Tgt Ion:188 Resp: 438539
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.4 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 2.894 ng
RT: 15.95 min Scan# 2189
Delta R.T. -0.50 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Tgt Ion:248 Resp: 15752
Ion Ratio Lower Upper
248 100
250 201.4 78.7 118.1#
141 483.7 52.3 78.5#





#71

Phenanthrene

Concen: 4.288 ng

RT: 17.24 min Scan# 2409

Delta R.T. -0.06 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Instrument :

BNA_G

ClientSampleId :

C-7

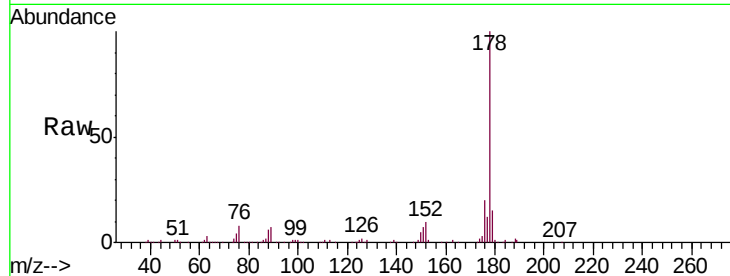
Tgt Ion:178 Resp: 104098

Ion Ratio Lower Upper

178 100

176 19.6 16.6 25.0

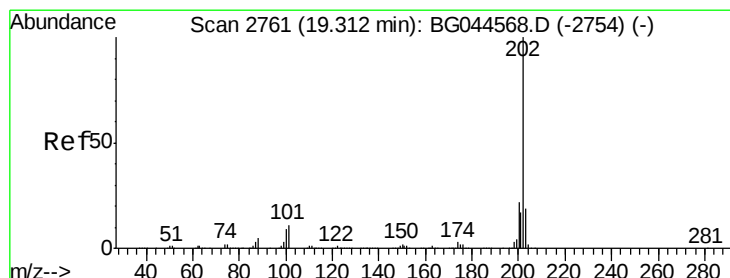
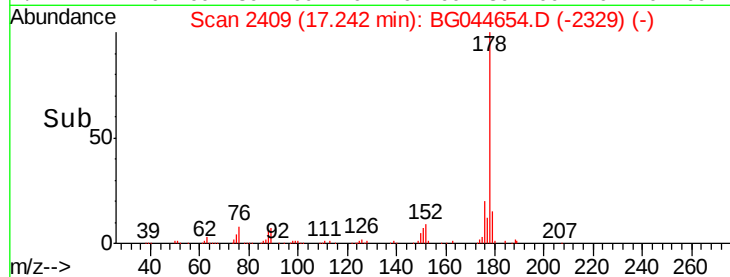
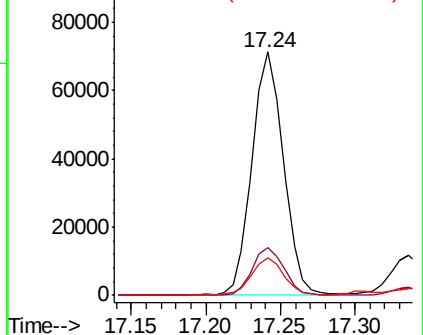
179 15.3 13.3 19.9



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: 7.357 ng

RT: 19.26 min Scan# 2752

Delta R.T. -0.06 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

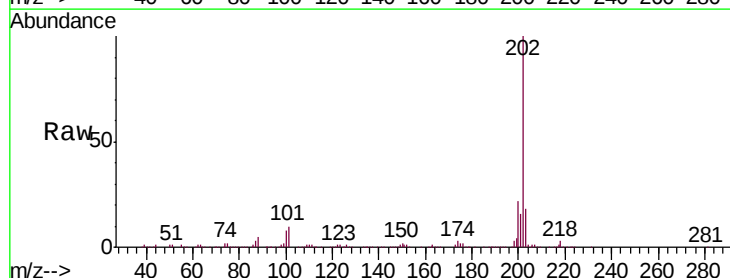
Tgt Ion:202 Resp: 211457

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.0

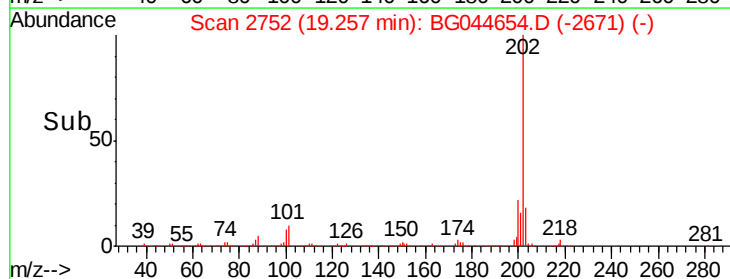
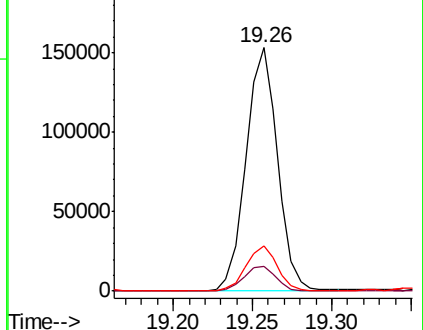
203 18.4 0.0 39.2

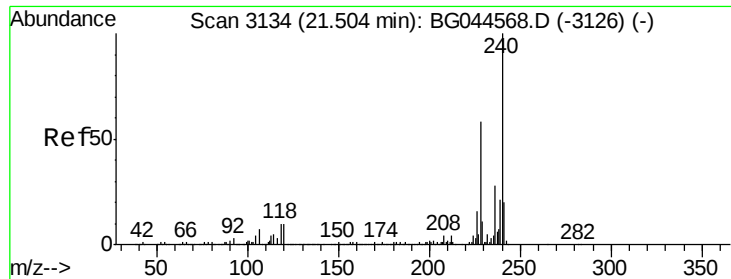


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

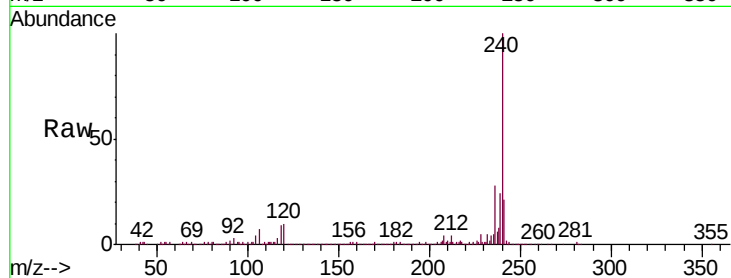




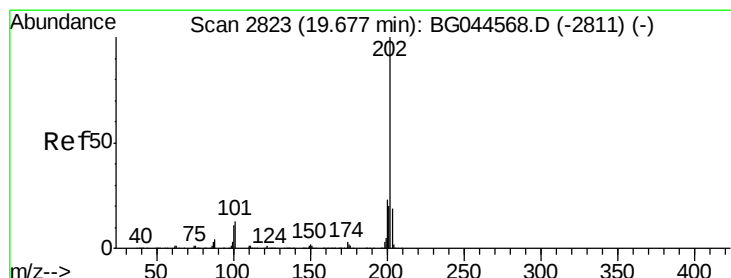
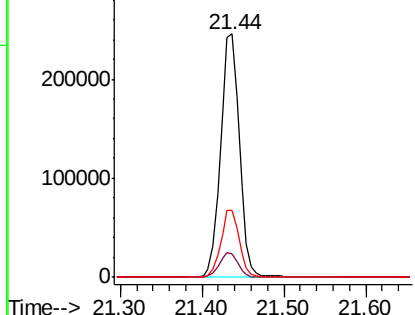
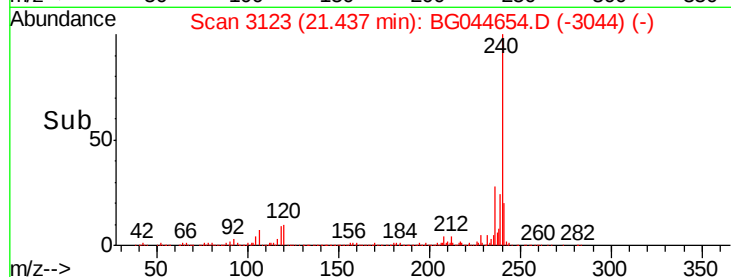
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.44 min Scan# 3123
Delta R.T. -0.07 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Instrument :
BNA_G
ClientSampleId :
C-7

Tgt Ion:240 Resp: 393166
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 27.6 22.3 33.5

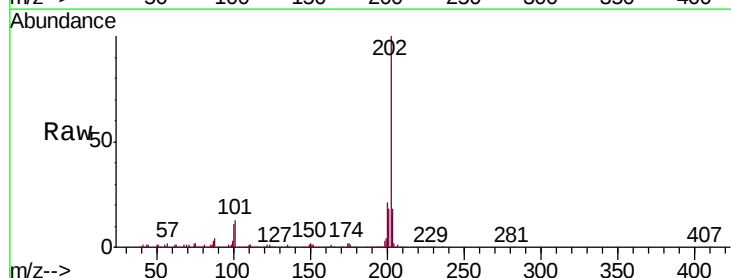


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

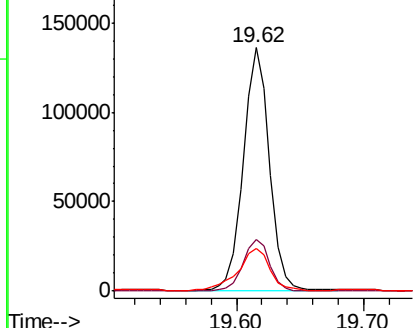
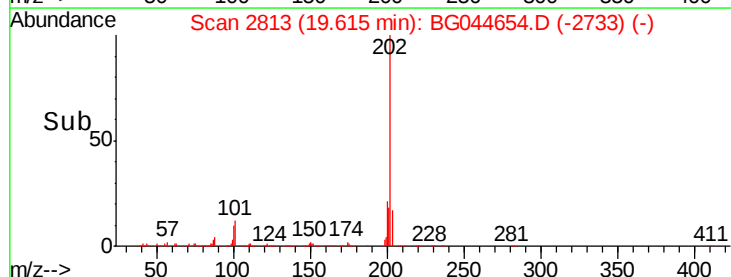


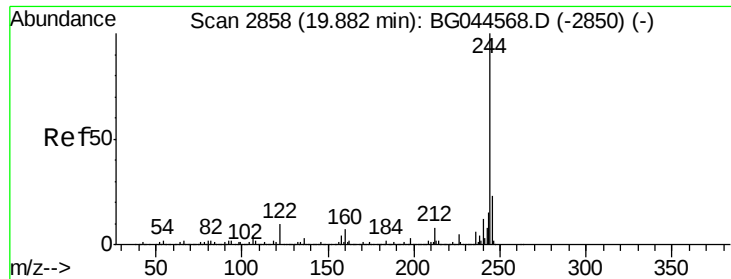
#78
Pyrene
Concen: 6.779 ng
RT: 19.62 min Scan# 2813
Delta R.T. -0.06 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Tgt Ion:202 Resp: 193489
Ion Ratio Lower Upper
202 100
200 21.2 18.6 28.0
203 17.7 15.3 22.9



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

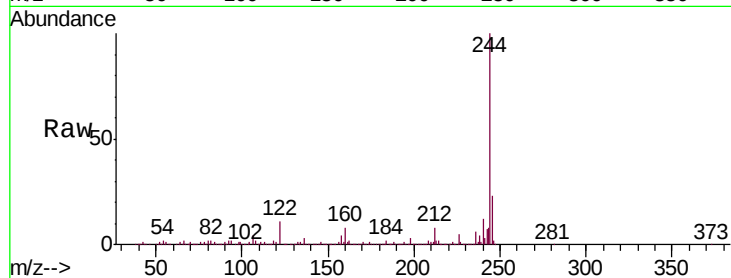




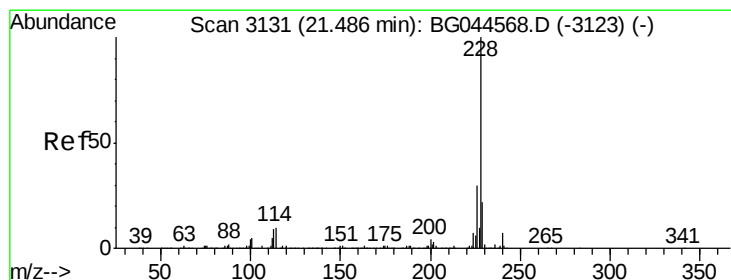
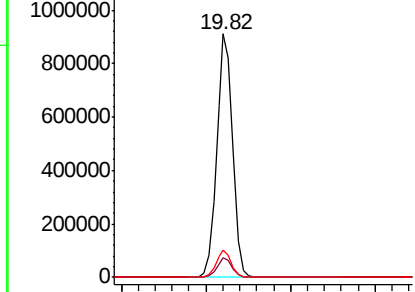
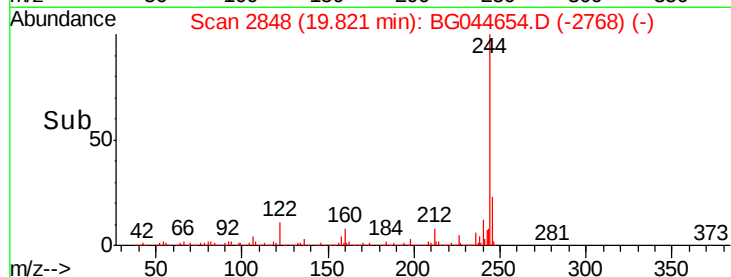
#79
 Terphenyl-d14
 Concen: 57.916 ng
 RT: 19.82 min Scan# 2848
 Delta R.T. -0.06 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Instrument :
 BNA_G
 ClientSampleId :
 C-7

Tgt Ion:244 Resp: 1202844
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 11.2 8.2 12.4

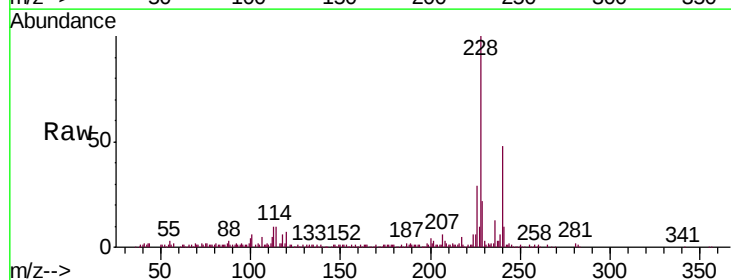


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

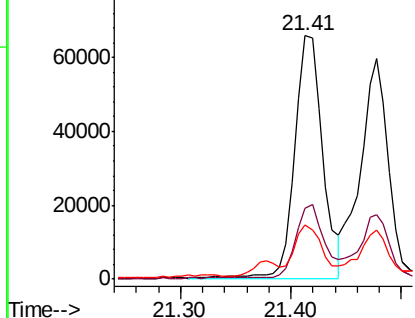
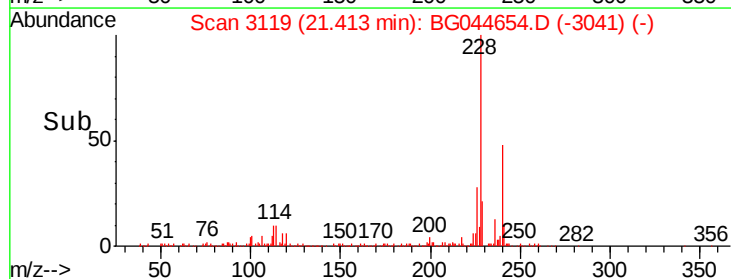


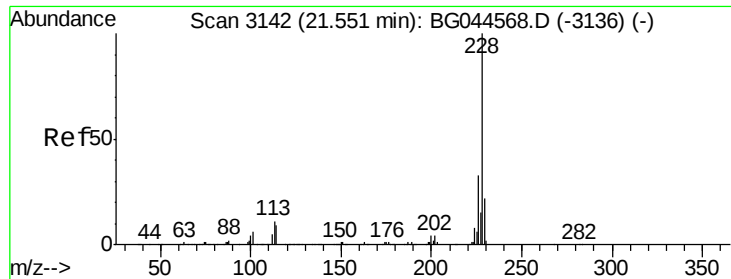
#81
 Benzo(a)anthracene
 Concen: 4.074 ng
 RT: 21.41 min Scan# 3119
 Delta R.T. -0.07 min
 Lab File: BG044654.D
 Acq: 3 Mar 2020 6:21

Tgt Ion:228 Resp: 112569
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.8 35.8
 229 22.5 17.2 25.8



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: 3.935 ng

RT: 21.48 min Scan# 3130

Delta R.T. -0.07 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Instrument :

BNA_G

ClientSampleId :

C-7

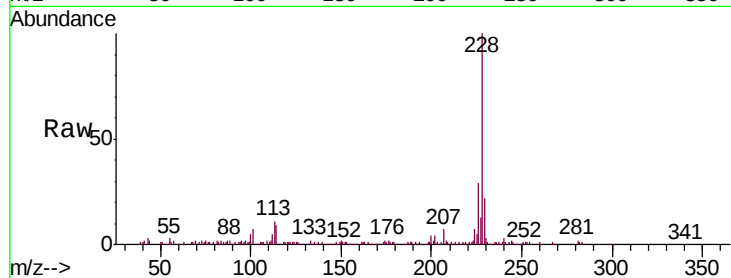
Tgt Ion:228 Resp: 105121

Ion Ratio Lower Upper

228 100

226 29.4 26.1 39.1

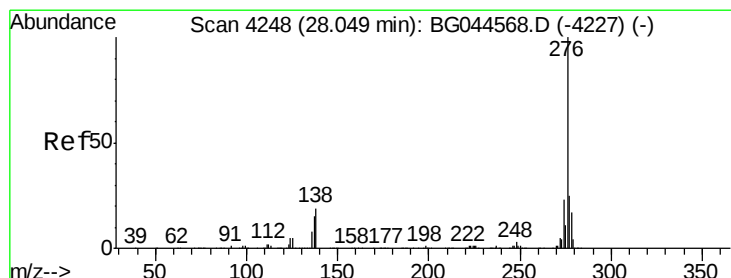
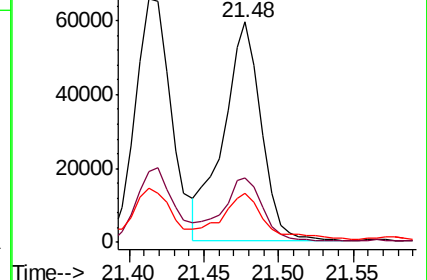
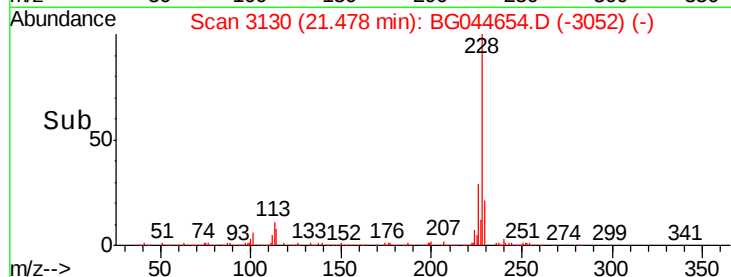
229 22.1 17.2 25.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.326 ng

RT: 27.85 min Scan# 4215

Delta R.T. -0.20 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

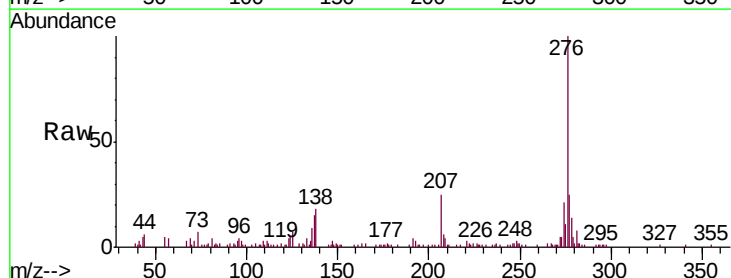
Tgt Ion:276 Resp: 79757

Ion Ratio Lower Upper

276 100

138 7.8 18.2 27.4#

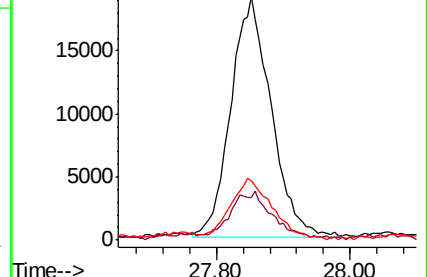
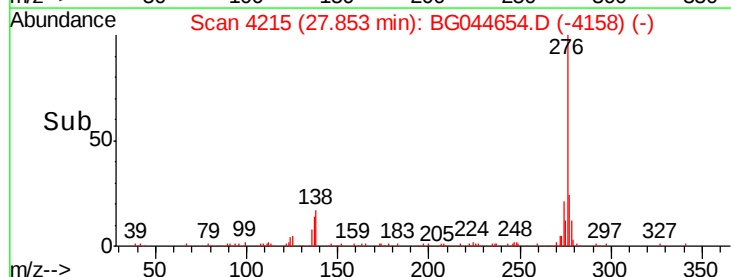
277 27.2 20.7 31.1

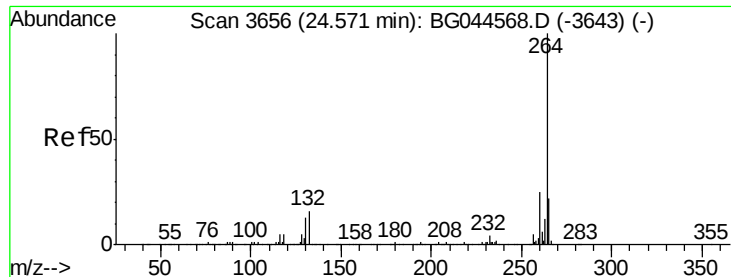


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



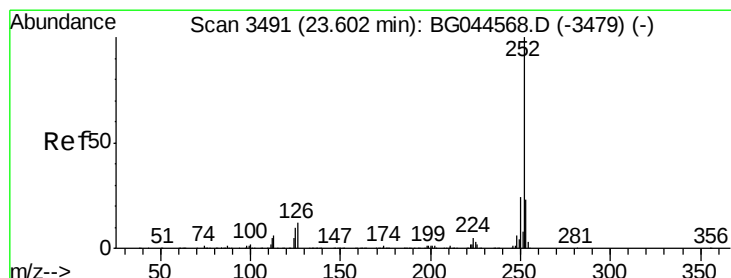
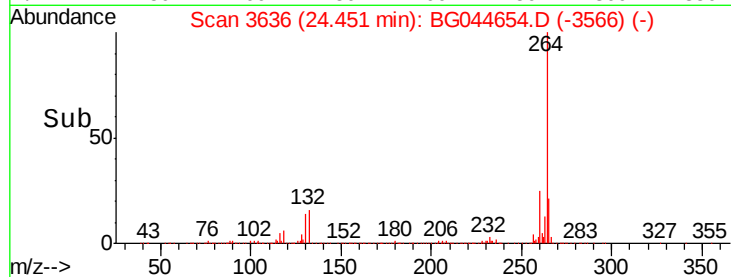
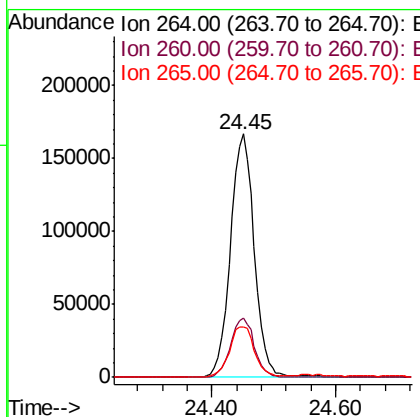
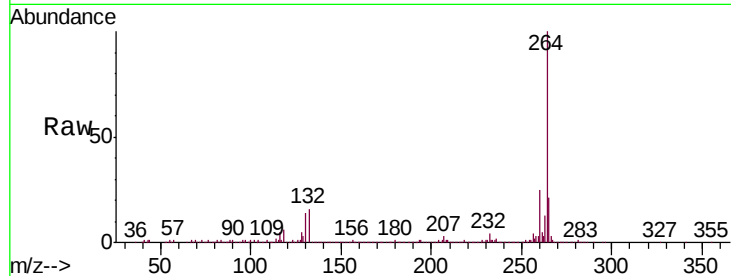


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.45 min Scan# 3636
Delta R.T. -0.12 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Instrument :
BNA_G
ClientSampleId :
C-7

Tgt Ion: 264 Resp: 446732

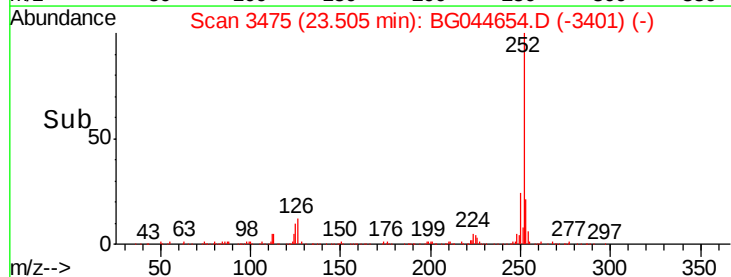
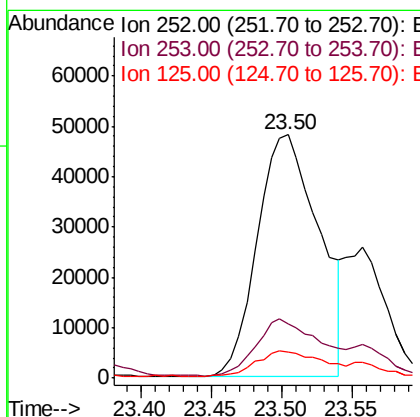
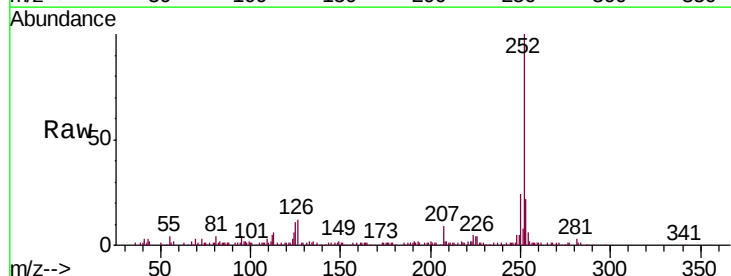
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	20.8	17.8	26.8

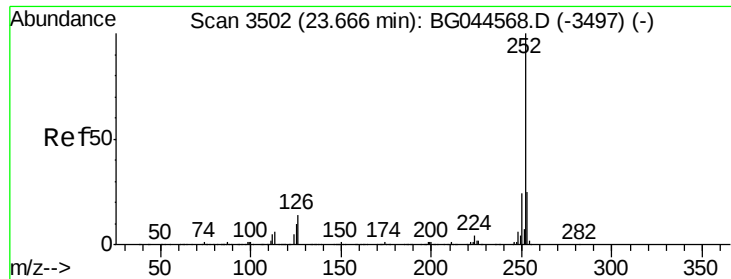


#88
Benzo(b)fluoranthene
Concen: 4.991 ng
RT: 23.50 min Scan# 3475
Delta R.T. -0.10 min
Lab File: BG044654.D
Acq: 3 Mar 2020 6:21

Tgt Ion: 252 Resp: 146581

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	10.7	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 5.143 ng

RT: 23.50 min Scan# 3475

Delta R.T. -0.16 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Instrument :

BNA_G

ClientSampleId :

C-7

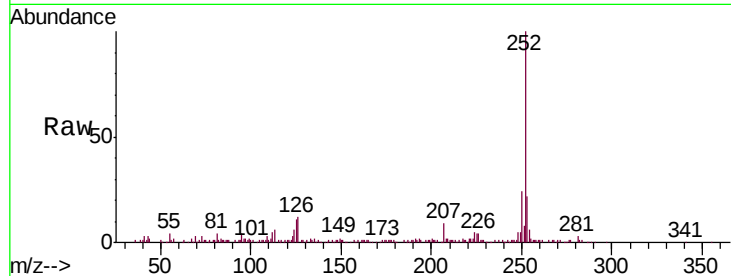
Tgt Ion:252 Resp: 146581

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

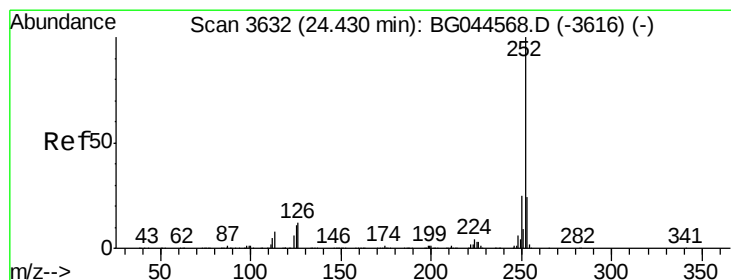
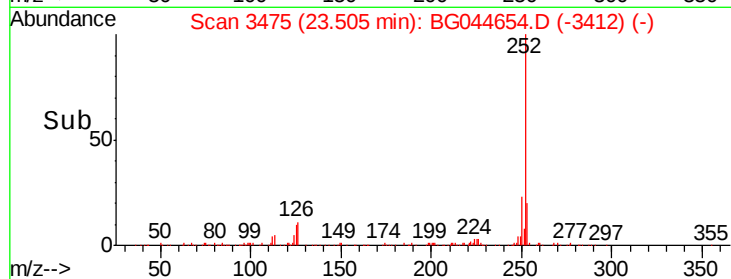
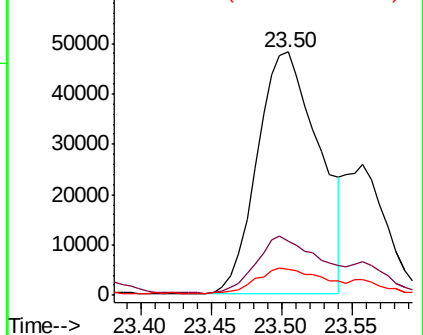
125 10.7 7.8 11.8



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



#90

Benzo(a)pyrene

Concen: 3.834 ng

RT: 24.30 min Scan# 3611

Delta R.T. -0.13 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

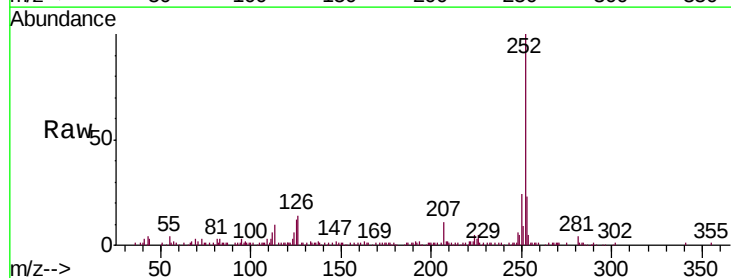
Tgt Ion:252 Resp: 105809

Ion Ratio Lower Upper

252 100

253 22.6 19.0 28.4

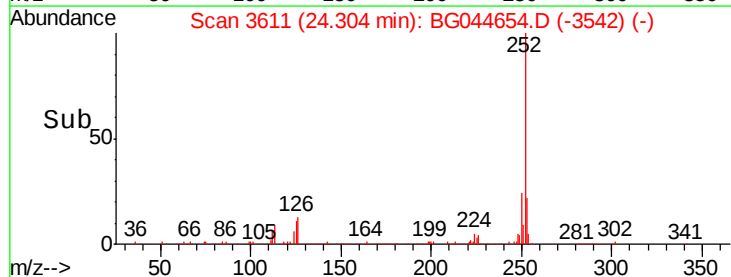
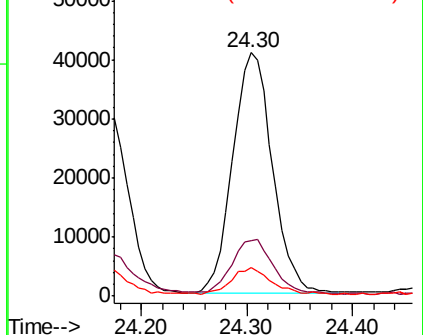
125 11.9 8.5 12.7

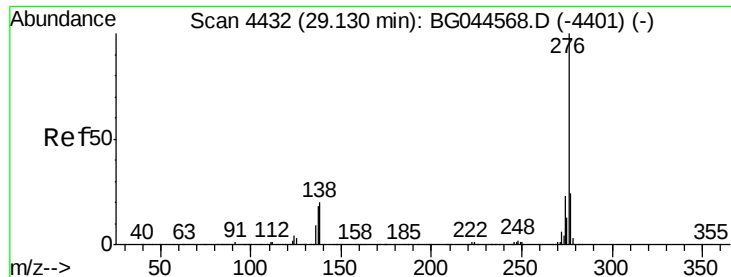


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.018 ng

RT: 28.91 min Scan# 4395

Delta R.T. -0.22 min

Lab File: BG044654.D

Acq: 3 Mar 2020 6:21

Instrument :

BNA_G

ClientSampleId :

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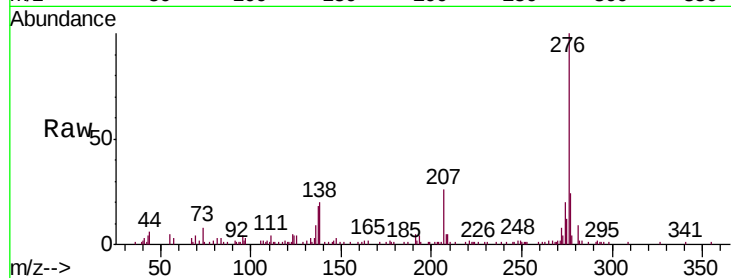
Tgt Ion: 276 Resp: 82538

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 19.7 16.1 24.1



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

