

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031620\
 Data File : BG044822.D
 Acq On : 16 Mar 2020 20:56
 Operator : CG/JU
 Sample : L1859-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7-SA

Quant Time: Mar 17 01:23:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	116449	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	478423	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	311936	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	643370	20.00	ng	0.00
76) Chrysene-d12	21.70	240	504264	20.00	ng	0.00
87) Perylene-d12	24.91	264	582244	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	602615	80.56	ng	0.00
7) Phenol-d6	7.20	99	877454	80.73	ng	0.00
23) Nitrobenzene-d5	9.20	82	574199	52.67	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	336034	82.27	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1182046	54.27	ng	0.00
79) Terphenyl-d14	20.04	244	1409141	52.27	ng	0.00

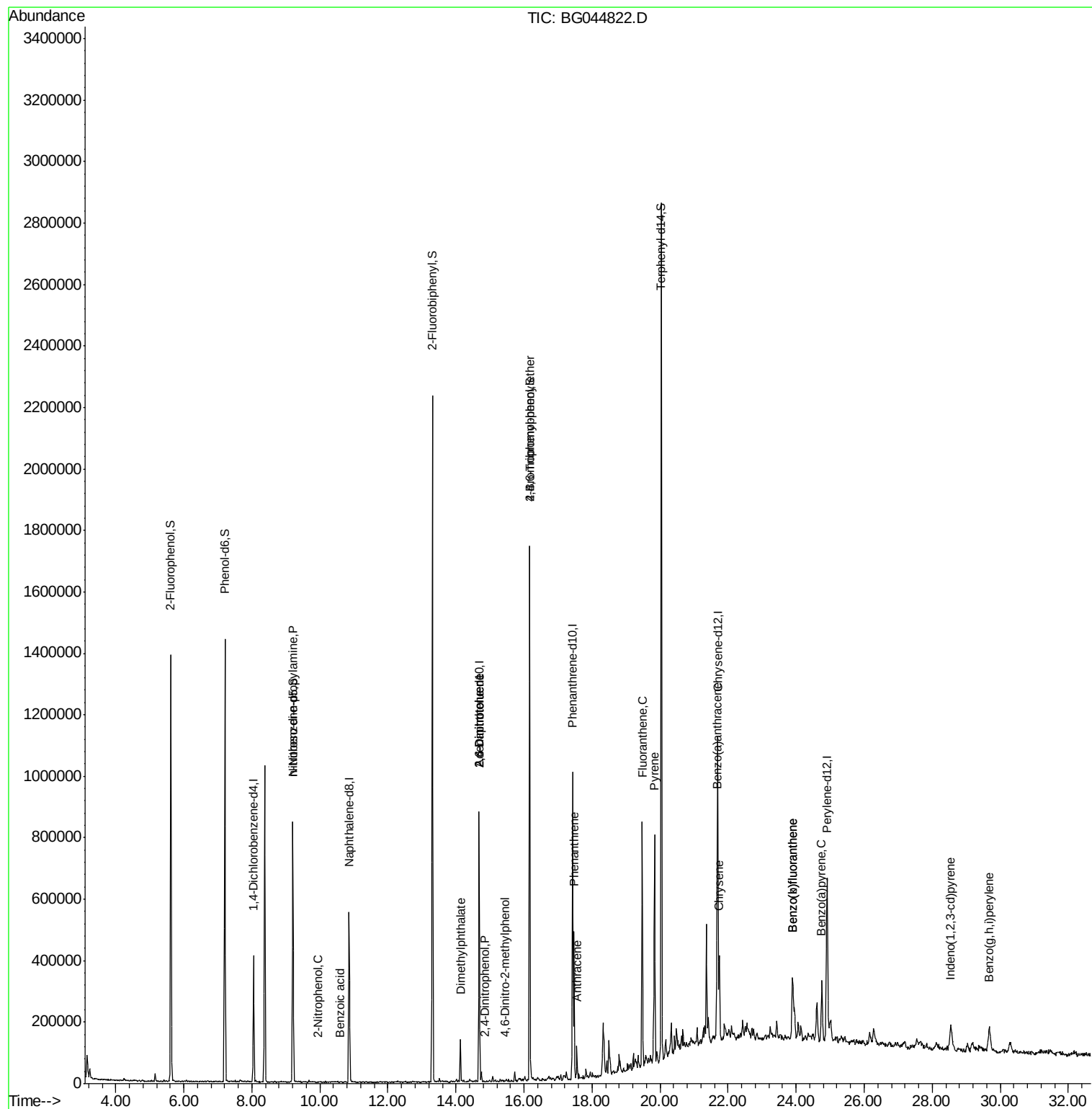
Target Compounds				Qvalue			
9) Benzaldehyde	7.15	77	169	Below Cal	#	45	
19) n-Nitroso-di-n-propylamine	9.21	70	77249	10.07	ng	#	74
26) 2-Nitrophenol	9.94	139	61	5.53	ng	#	28
32) Benzoic acid	10.60	122	71	9.68	ng		97
50) Dimethylphthalate	14.13	163	93229	3.75	ng		98
51) 2,6-Dinitrotoluene	14.68	165	42045	8.40	ng	#	23
54) 2,4-Dinitrophenol	14.83	184	125	8.37	ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	42045	6.12	ng	#	24
65) 4,6-Dinitro-2-methylphenol	15.45	198	55	7.74	ng	#	33
67) 4-Bromophenyl-phenylether	16.17	248	23750	2.95	ng	#	1
71) Phenanthrene	17.47	178	304153	8.85	ng		98
72) Anthracene	17.56	178	68999	2.04	ng		95
75) Fluoranthene	19.48	202	505498	12.35	ng		97
78) Pyrene	19.84	202	482876	13.05	ng		98
81) Benzo(a)anthracene	21.68	228	233657	6.43	ng		96
83) Chrysene	21.74	228	209435	6.04	ng		96
86) Indeno(1,2,3-cd)pyrene	28.54	276	149778	3.29	ng	#	94
88) Benzo(b)fluoranthene	23.89	252	276902	7.20	ng		99
89) Benzo(k)fluoranthene	23.89	252	276902	7.61	ng		99
90) Benzo(a)pyrene	24.75	252	210608	5.86	ng		98
92) Benzo(g,h,i)perylene	29.68	276	152837	4.26	ng		97

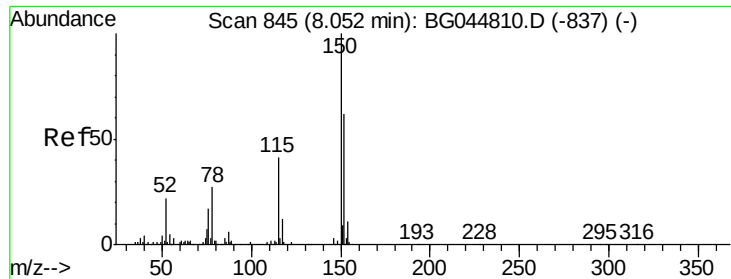
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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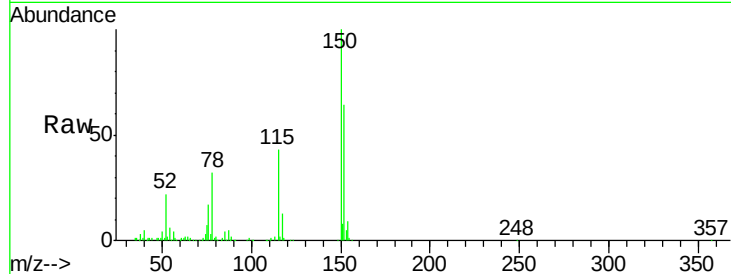


#1

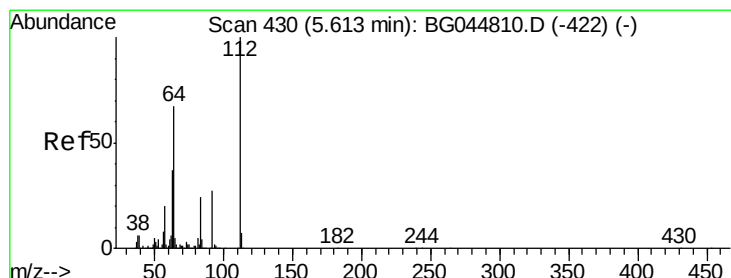
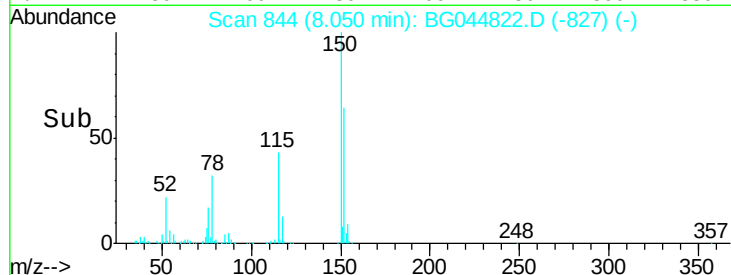
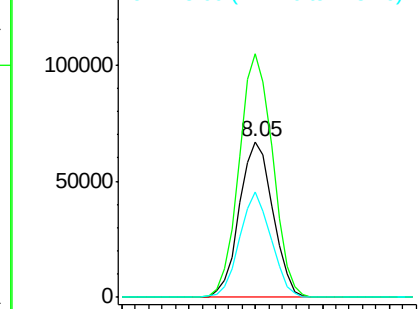
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Instrument :
BNA_G
ClientSampleId :
TP-7-SA

Tgt Ion:152 Resp: 116449
Ion Ratio Lower Upper
152 100
150 156.2 128.8 193.2
115 67.3 52.6 79.0



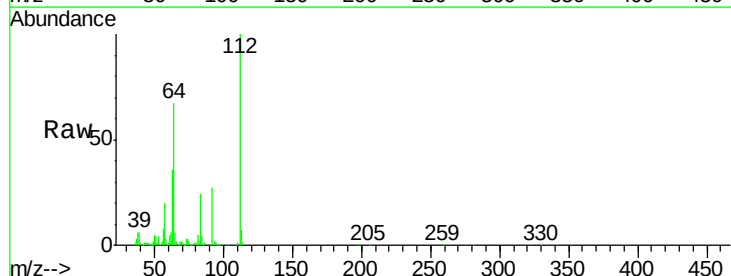
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



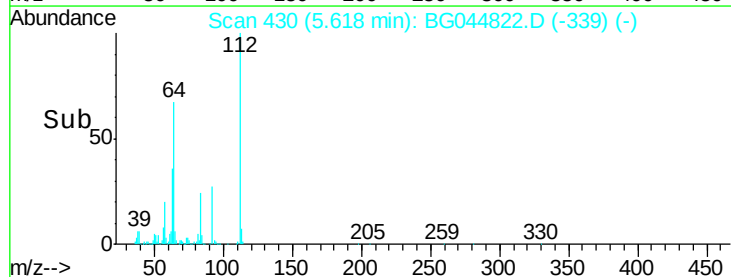
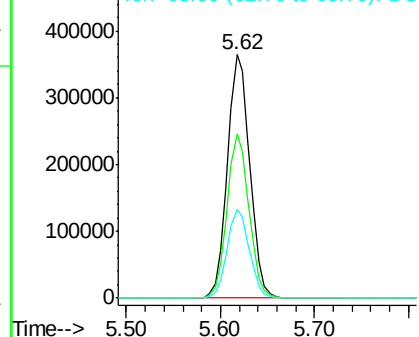
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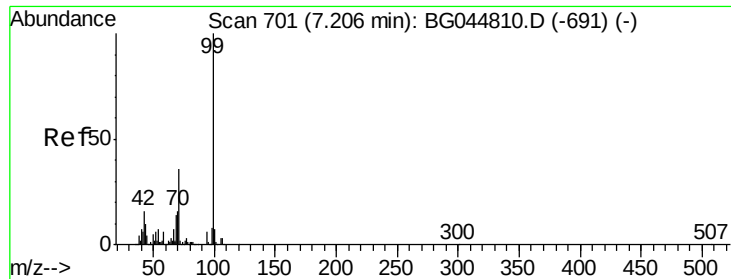
2-Fluorophenol
Concen: 80.56 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Tgt Ion:112 Resp: 602615
Ion Ratio Lower Upper
112 100
64 67.3 53.4 80.2
63 36.5 29.4 44.2



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





#7

Phenol-d6

Concen: 80.73 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampleId :

TP-7-SA

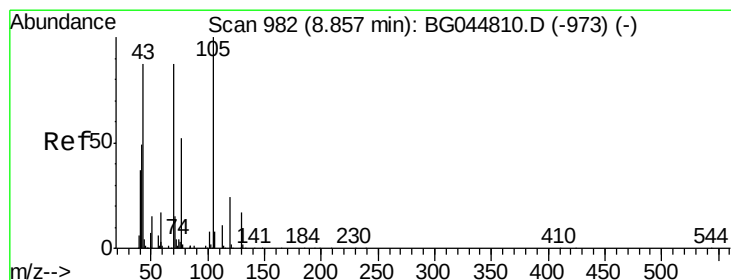
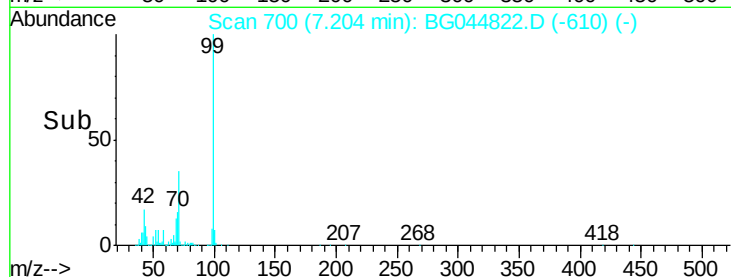
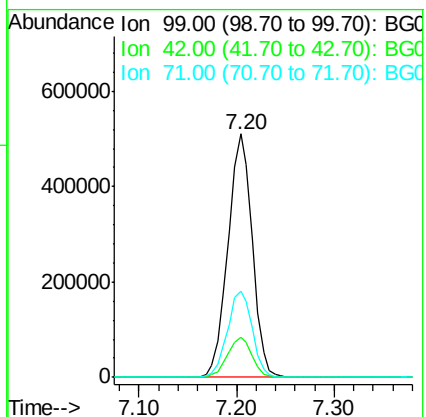
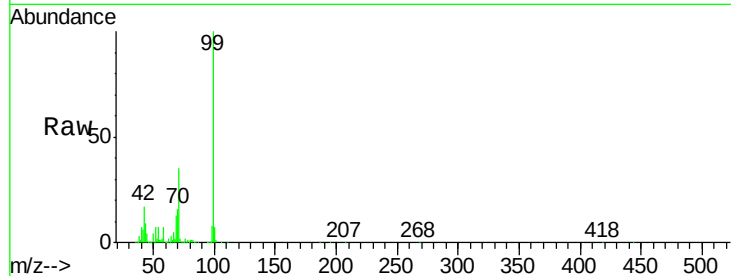
Tgt Ion: 99 Resp: 877454

Ion Ratio Lower Upper

99 100

42 16.7 12.6 19.0

71 35.4 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.07 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Tgt Ion: 70 Resp: 77249

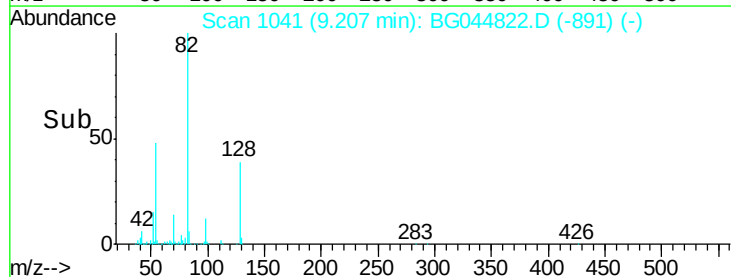
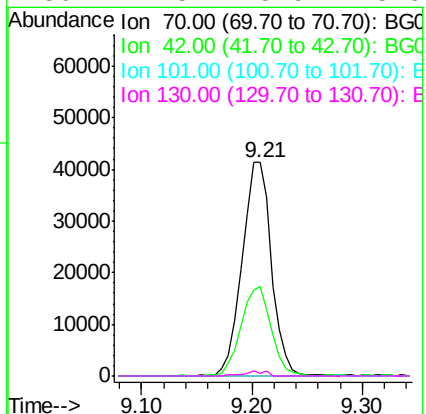
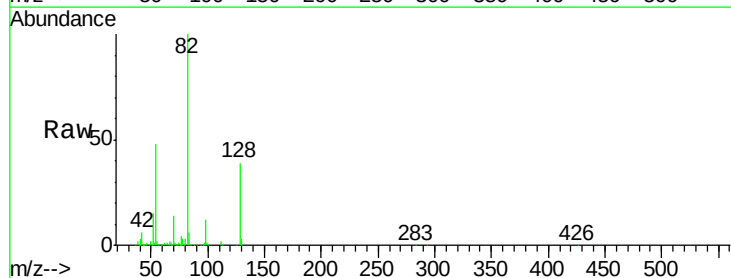
Ion Ratio Lower Upper

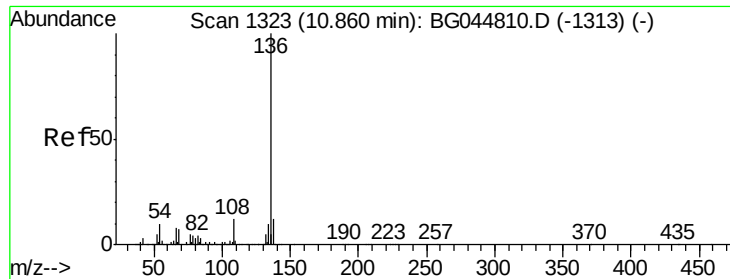
70 100

42 41.8 45.7 68.5#

101 0.0 7.4 11.2#

130 1.5 15.9 23.9#

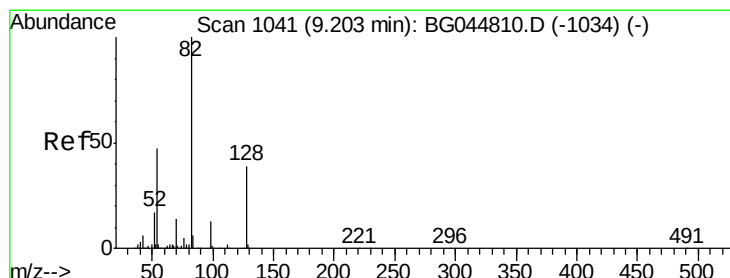
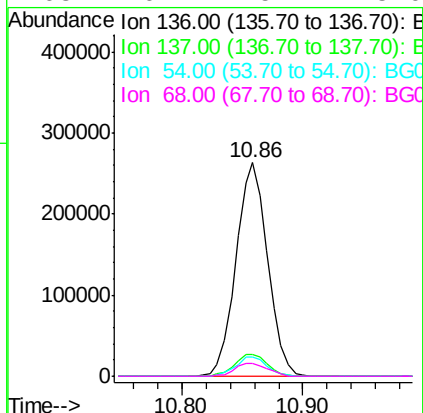
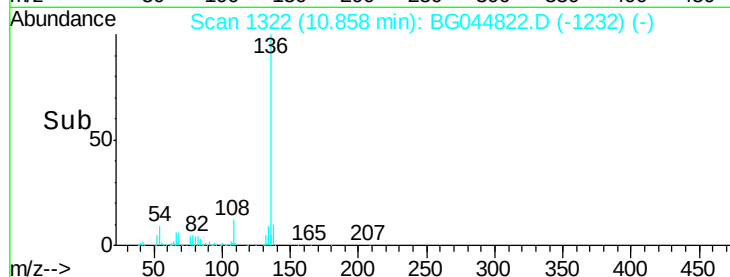
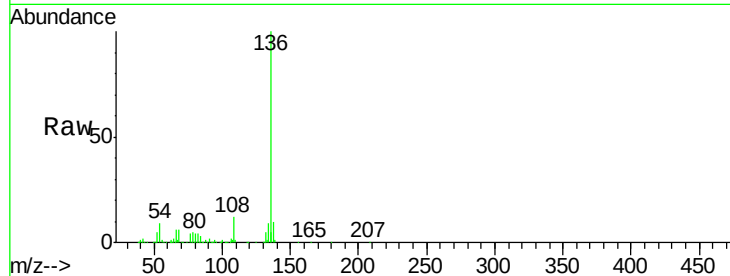




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

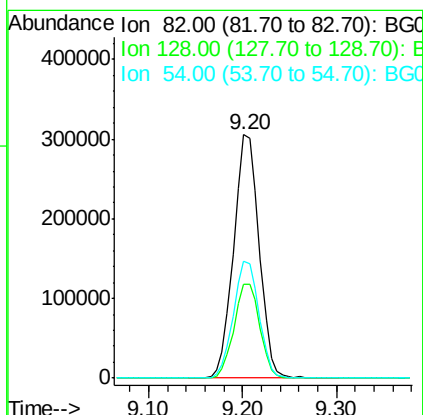
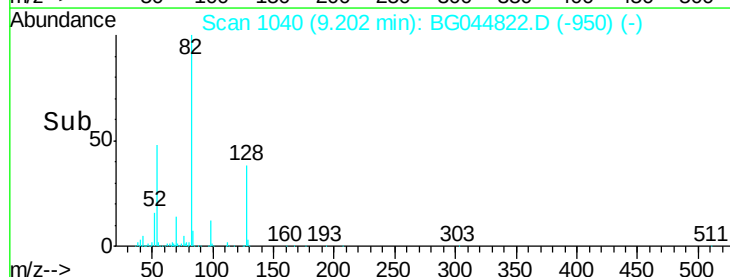
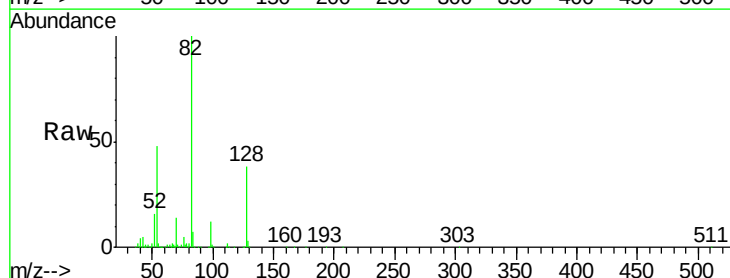
Instrument :
BNA_G
ClientSampleId :
TP-7-SA

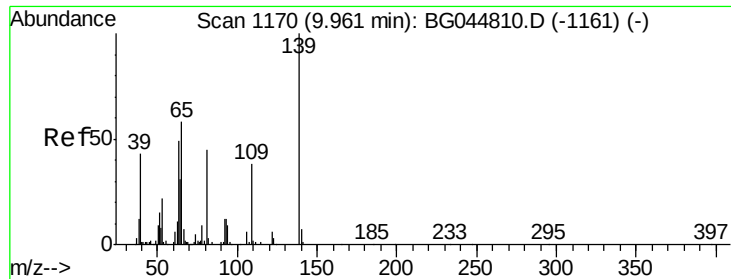
Tgt Ion:	136	Resp:	478423
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.8	14.6
54	9.3	7.9	11.9
68	6.2	5.4	8.0



#23
Nitrobenzene-d5
Concen: 52.67 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Tgt Ion:	82	Resp:	574199
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.6	46.0
54	47.8	37.1	55.7

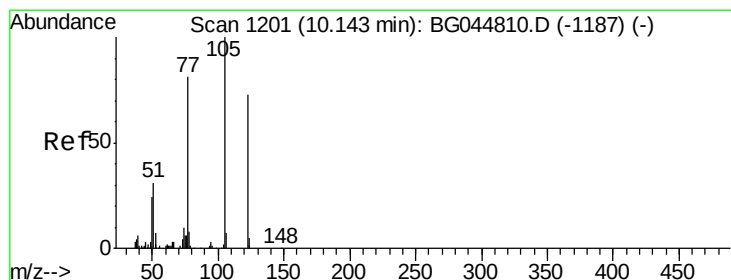
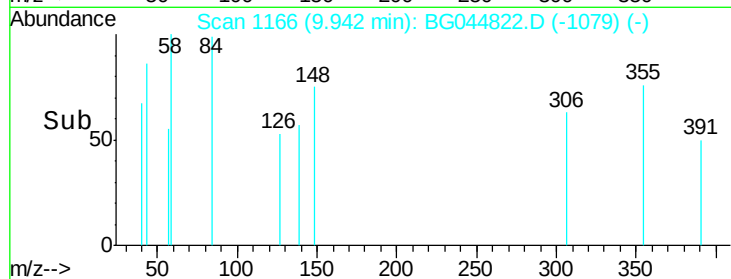
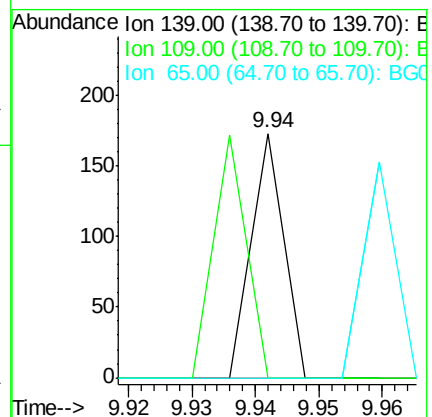
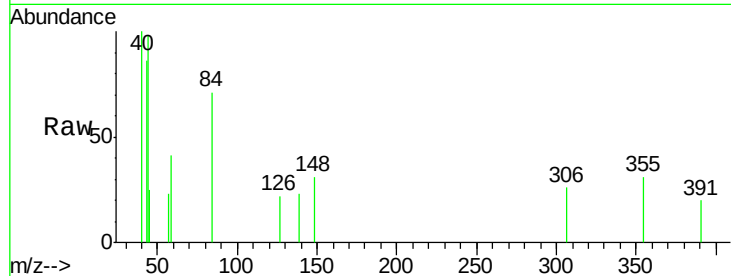




#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.02 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

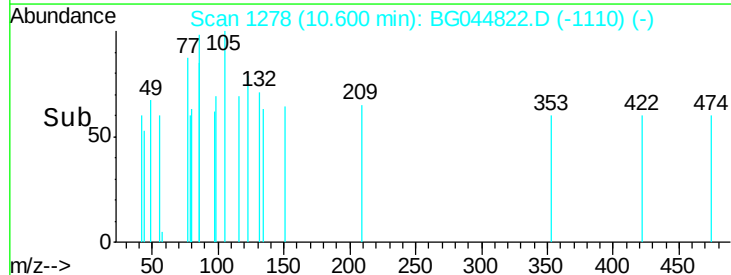
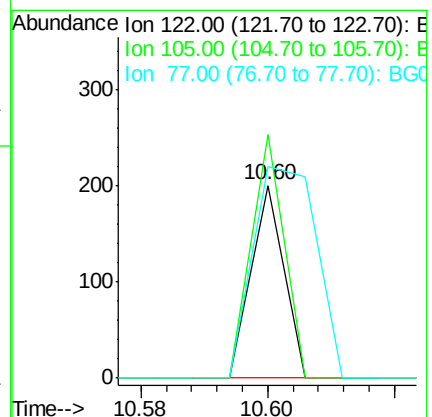
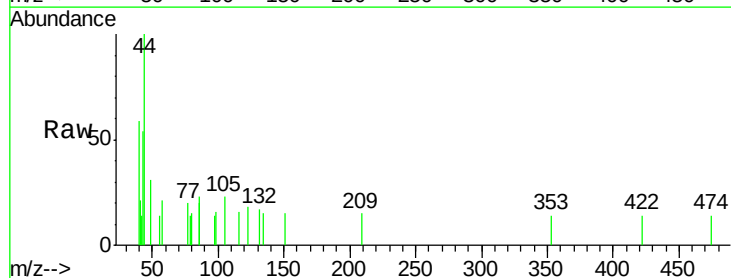
Instrument :
BNA_G
ClientSampleId :
TP-7-SA

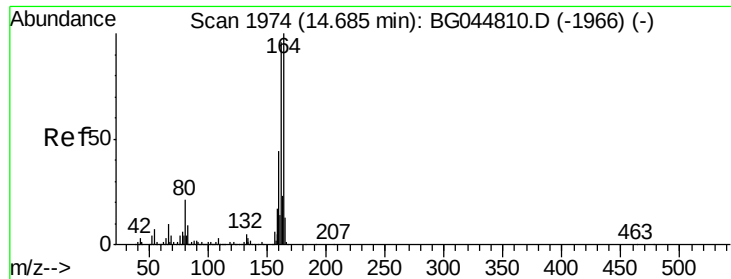
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.68 ng
RT: 10.60 min Scan# 1278
Delta R.T. 0.46 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.5	109.1	149.1
77	109.5	85.3	125.3





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampleId :

TP-7-SA

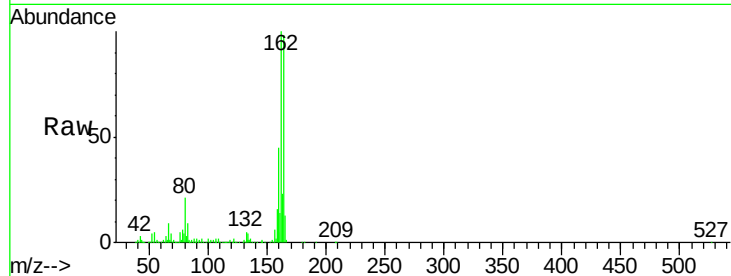
Tgt Ion:164 Resp: 311936

Ion Ratio Lower Upper

164 100

162 101.6 76.7 115.1

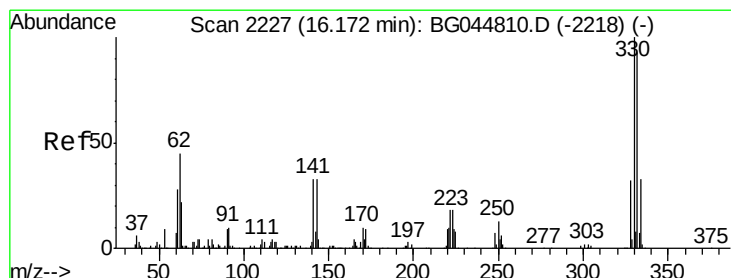
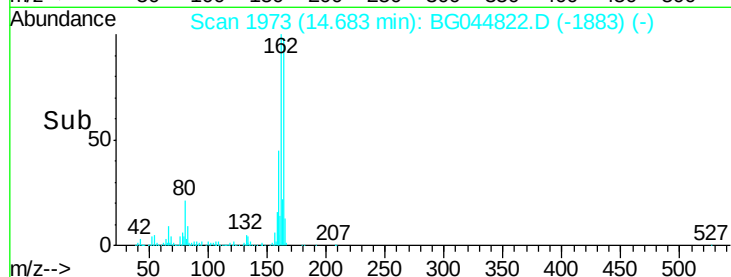
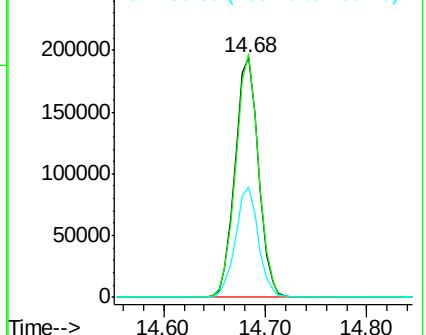
160 46.0 35.0 52.4



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: 82.27 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

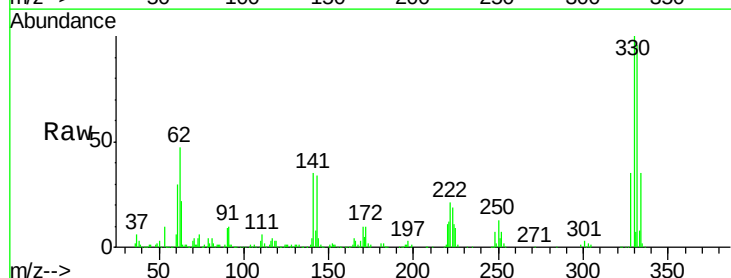
Tgt Ion:330 Resp: 336034

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

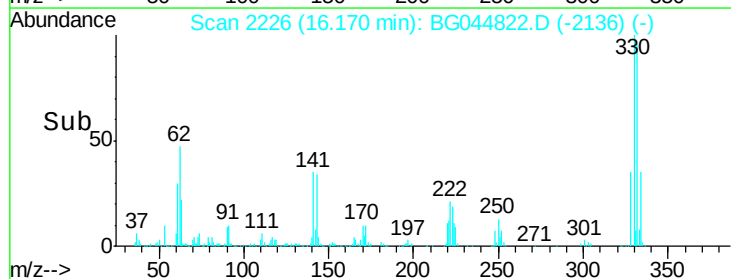
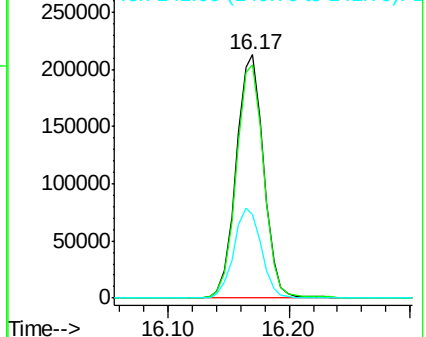
141 37.3 29.5 44.3

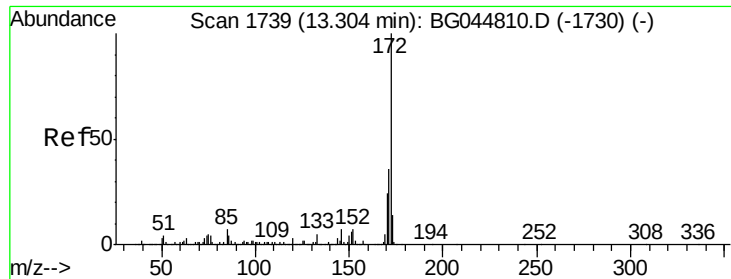


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

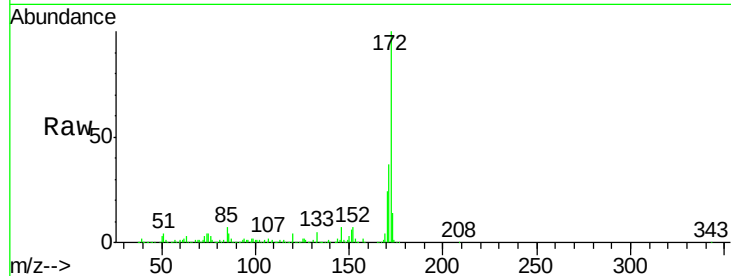




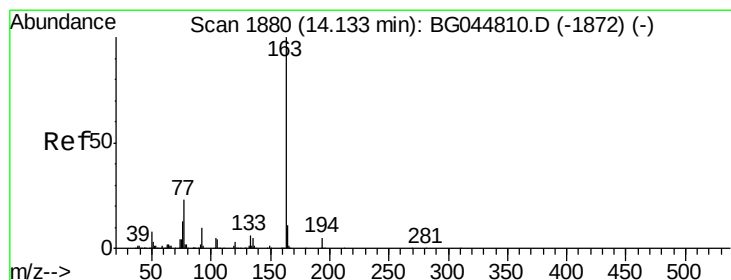
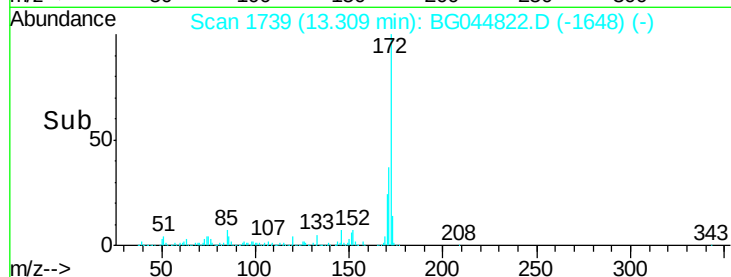
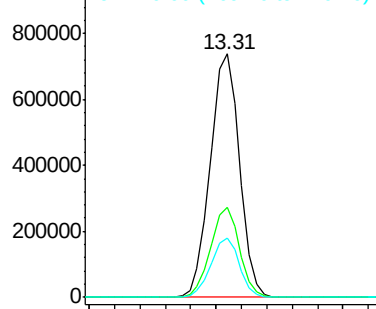
#45
2-Fluorobiphenyl
Concen: 54.27 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Instrument :
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ClientSampleId :
TP-7-SA

Tgt Ion:172 Resp: 1182046
Ion Ratio Lower Upper
172 100
171 37.2 28.7 43.1
170 24.2 19.0 28.6

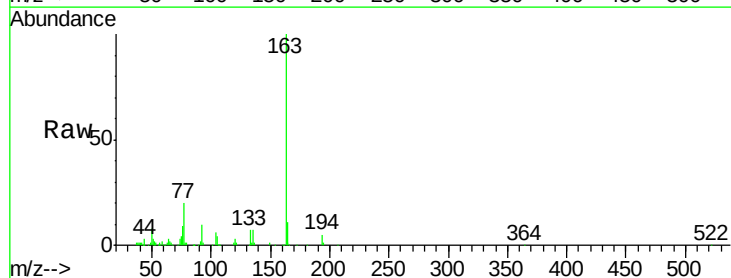


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

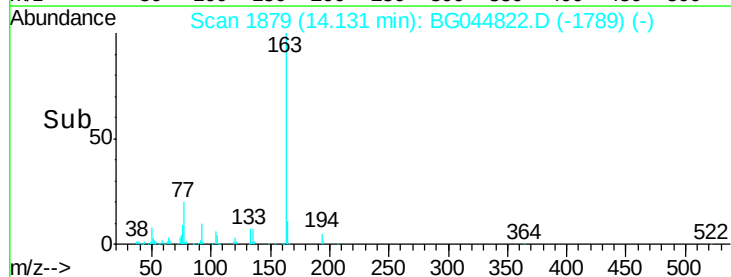
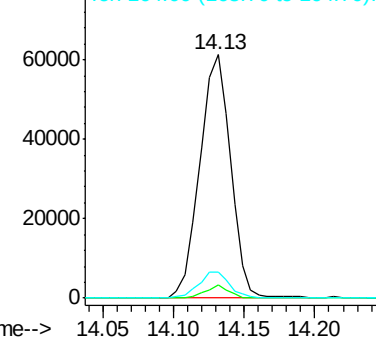


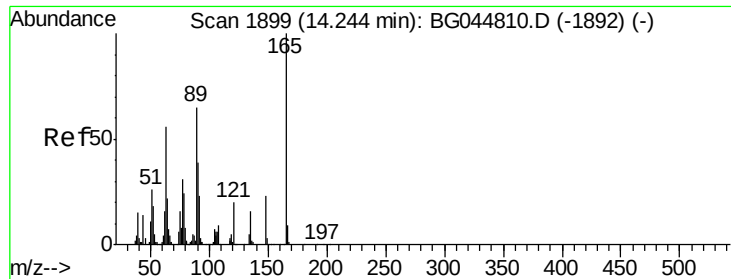
#50
Dimethylphthalate
Concen: 3.75 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Tgt Ion:163 Resp: 93229
Ion Ratio Lower Upper
163 100
194 5.3 3.7 5.5
164 10.8 9.1 13.7



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

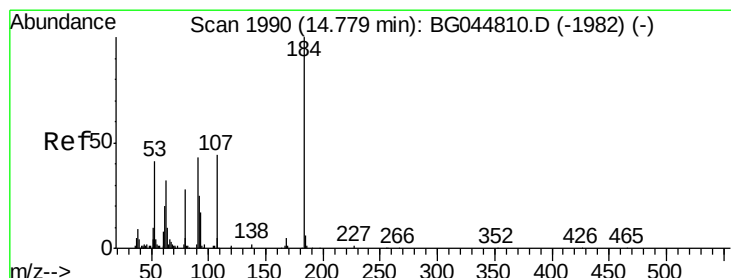
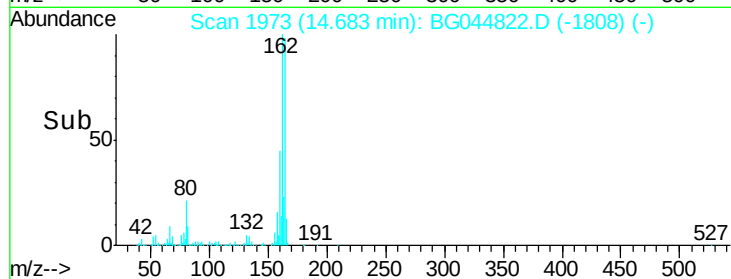
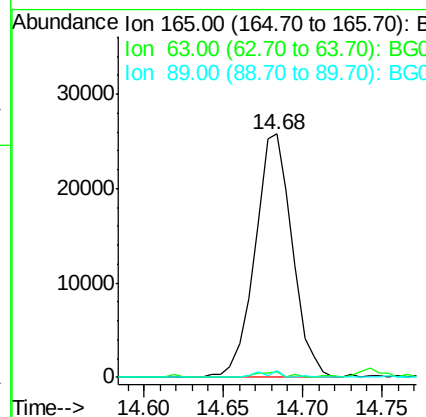
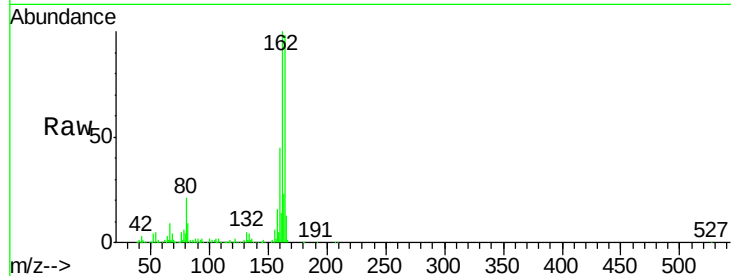




#51
 2,6-Dinitrotoluene
 Concen: 8.40 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.44 min
 Lab File: BG044822.D
 Acq: 16 Mar 2020 20:56

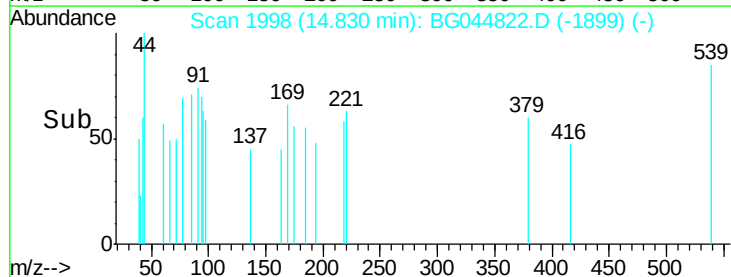
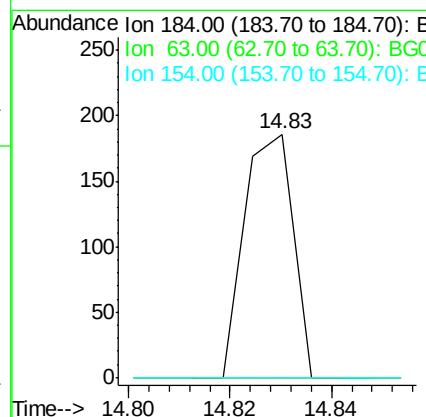
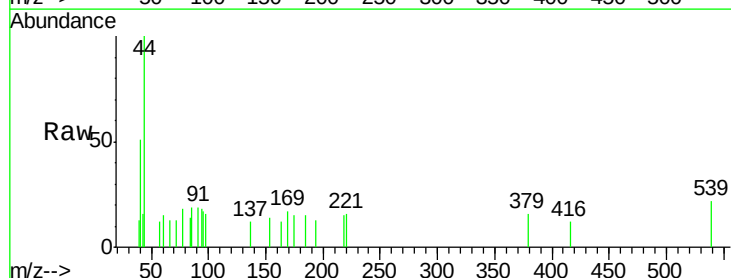
Instrument :
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 ClientSampleId :
 TP-7-SA

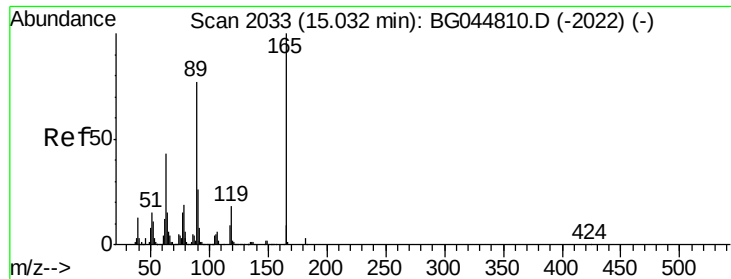
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	45.8	68.8#
89	2.7	51.8	77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.37 ng
 RT: 14.83 min Scan# 1998
 Delta R.T. 0.05 min
 Lab File: BG044822.D
 Acq: 16 Mar 2020 20:56

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	45.5	68.3#
154	0.0	49.1	73.7#

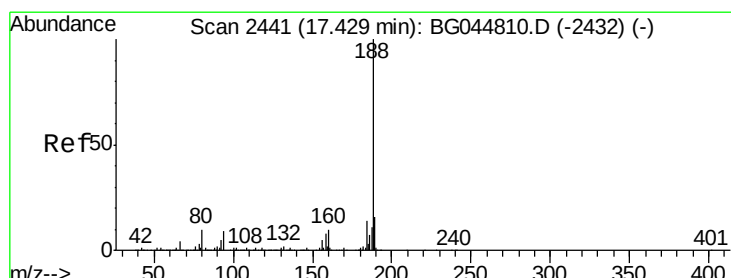
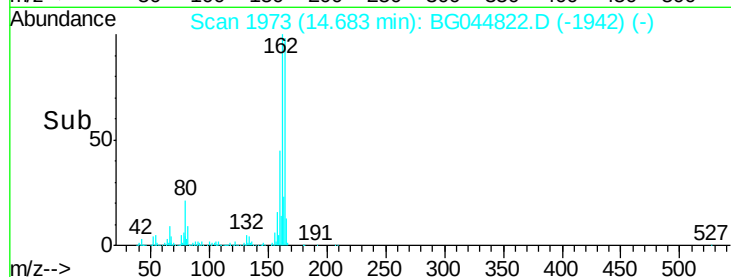
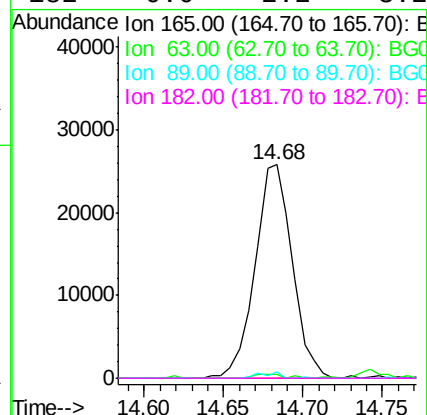
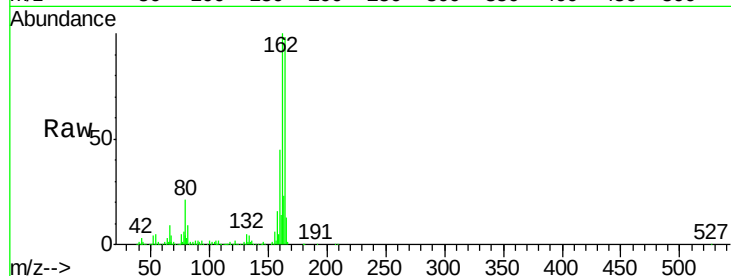




#57
 2,4-Dinitrotoluene
 Concen: 6.12 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.35 min
 Lab File: BG044822.D
 Acq: 16 Mar 2020 20:56

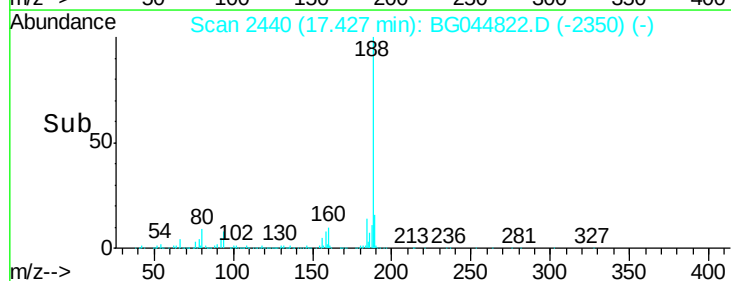
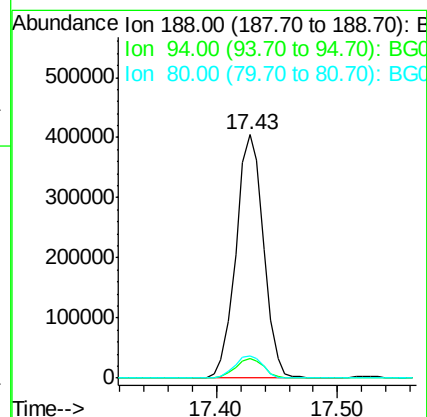
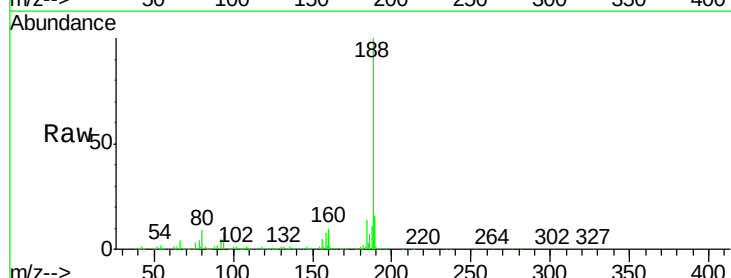
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-SA

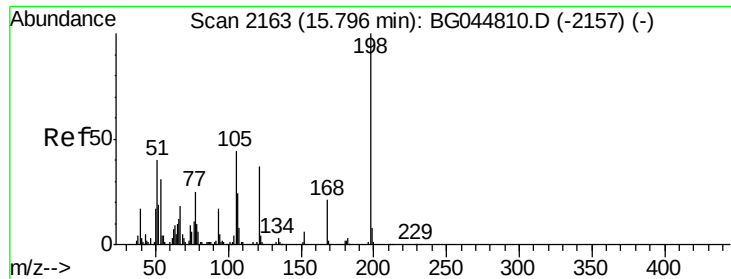
Tgt Ion:165 Resp: 42045
 Ion Ratio Lower Upper
 165 100
 63 2.1 34.6 52.0#
 89 2.7 61.3 91.9#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG044822.D
 Acq: 16 Mar 2020 20:56

Tgt Ion:188 Resp: 643370
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.3 10.9
 80 9.3 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.74 ng

RT: 15.45 min Scan# 2103

Delta R.T. -0.35 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampleId :

TP-7-SA

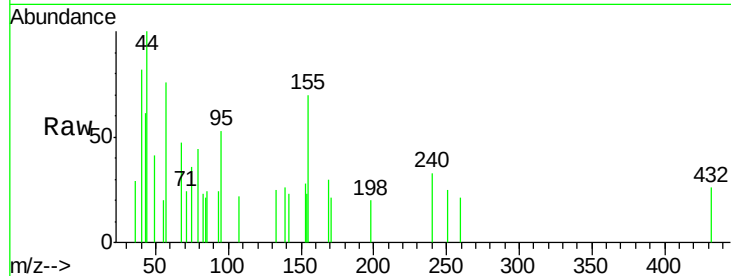
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

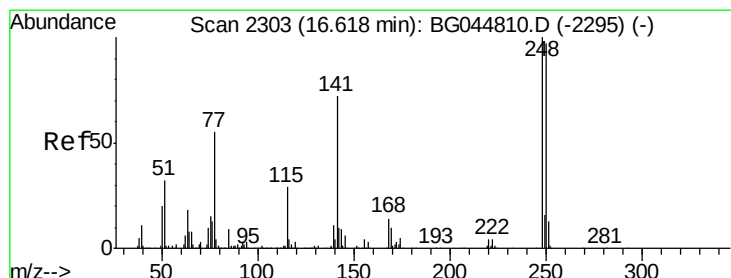
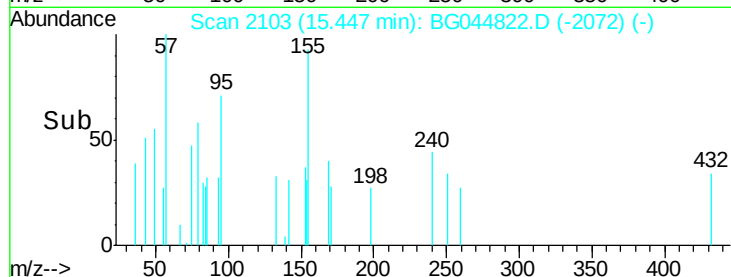
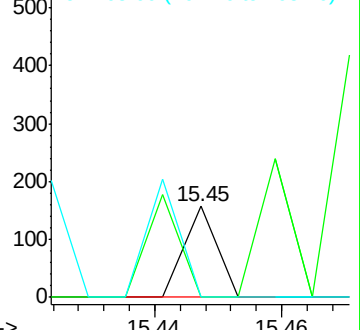
105 0.0 24.5 64.5#



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: 2.95 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.45 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

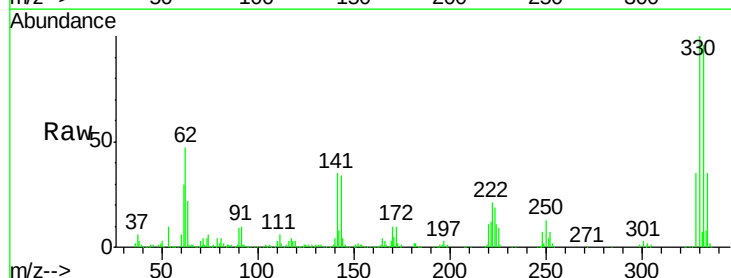
Tgt Ion:248 Resp: 23750

Ion Ratio Lower Upper

248 100

250 188.7 77.9 116.9#

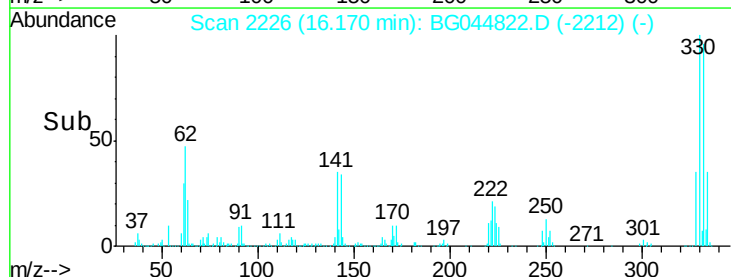
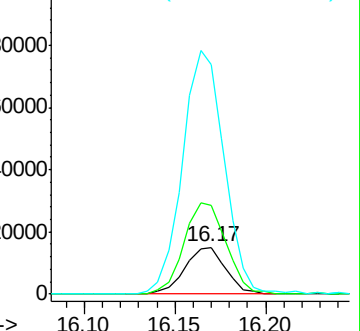
141 488.4 57.5 86.3#

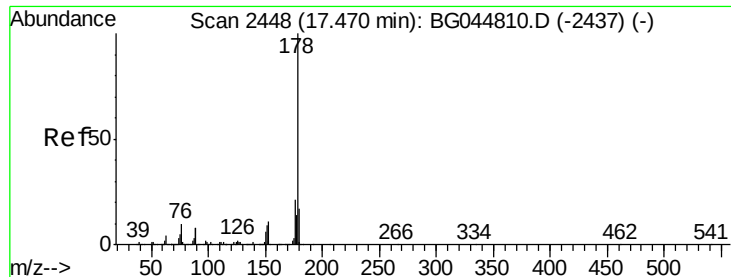


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 8.85 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampled :

TP-7-SA

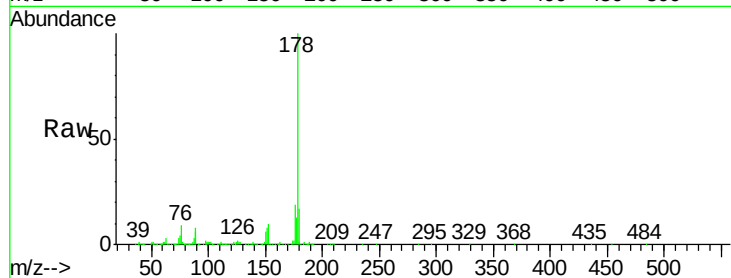
Tgt Ion:178 Resp: 304153

Ion Ratio Lower Upper

178 100

176 19.4 16.6 24.8

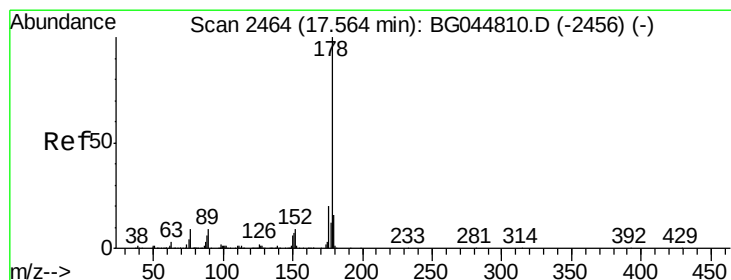
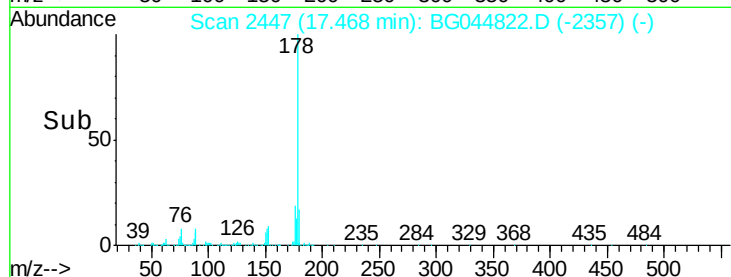
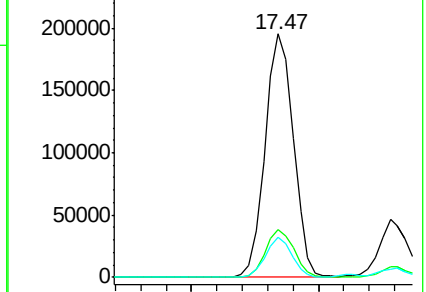
179 16.7 13.5 20.3



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: 2.04 ng

RT: 17.56 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

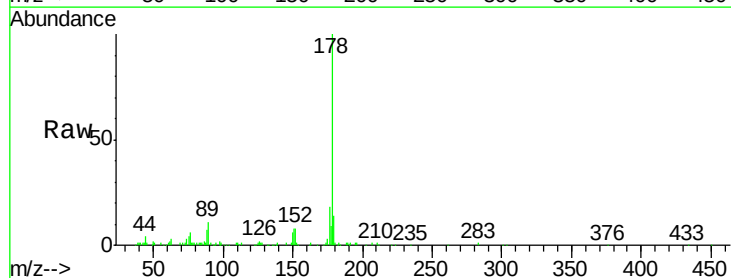
Tgt Ion:178 Resp: 68999

Ion Ratio Lower Upper

178 100

176 17.7 15.9 23.9

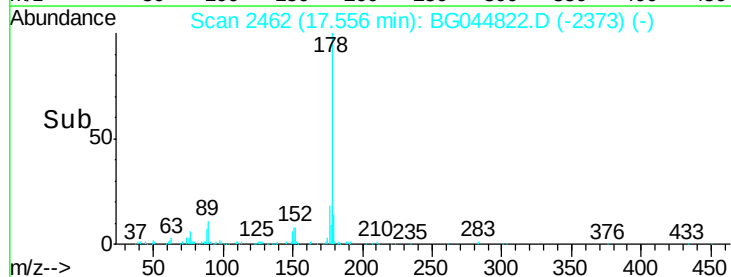
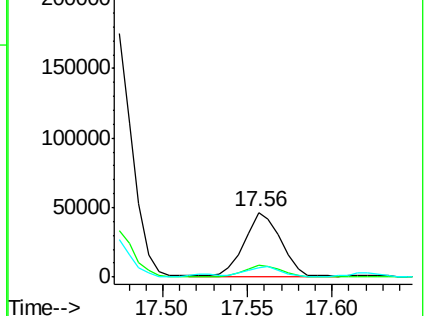
179 14.1 13.2 19.8

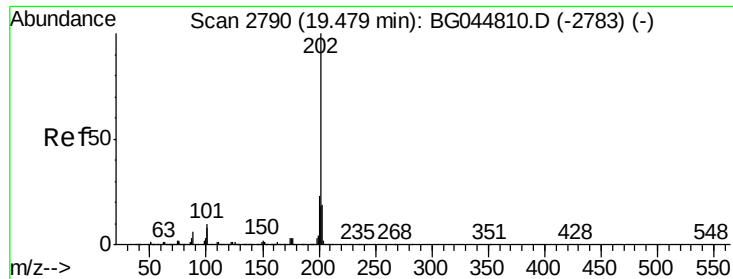


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 12.35 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampleId :

TP-7-SA

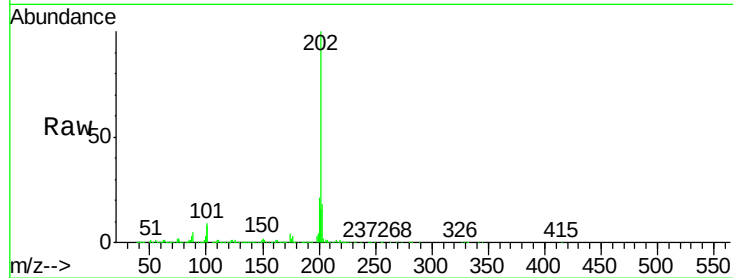
Tgt Ion:202 Resp: 505498

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.8

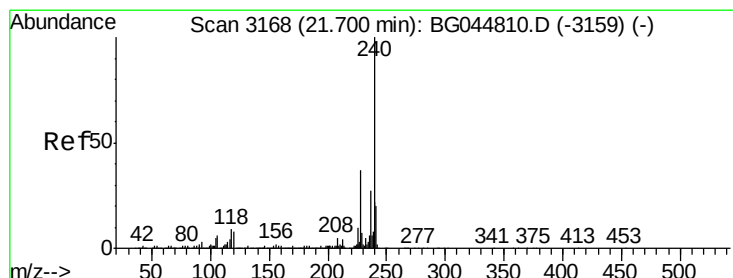
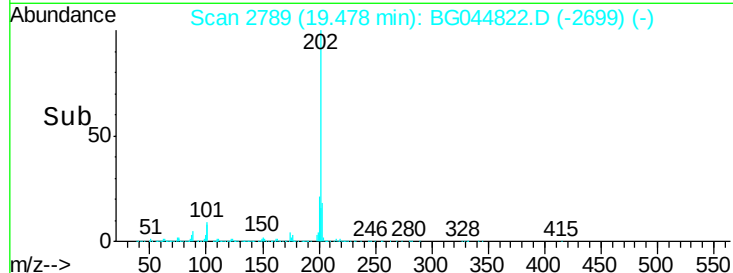
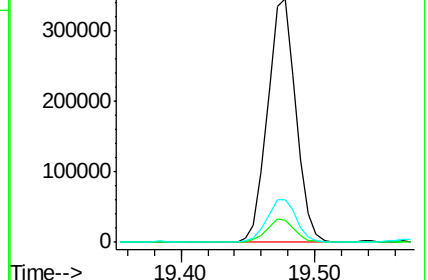
203 17.7 0.0 39.4



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: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

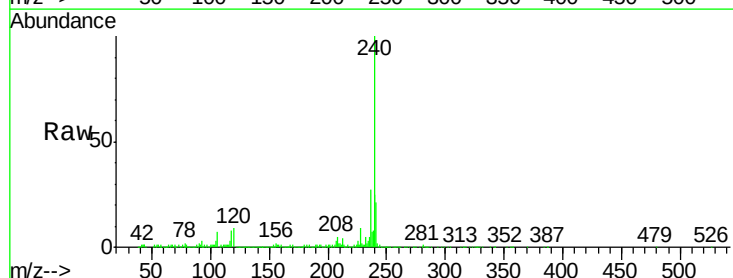
Tgt Ion:240 Resp: 504264

Ion Ratio Lower Upper

240 100

120 9.4 6.7 10.1

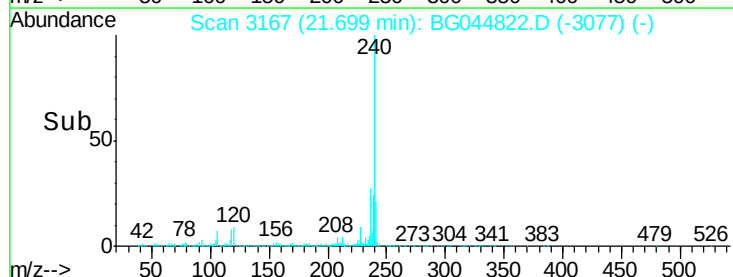
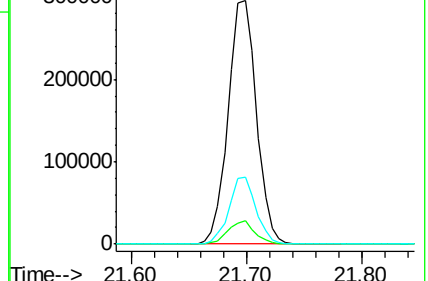
236 27.5 21.5 32.3

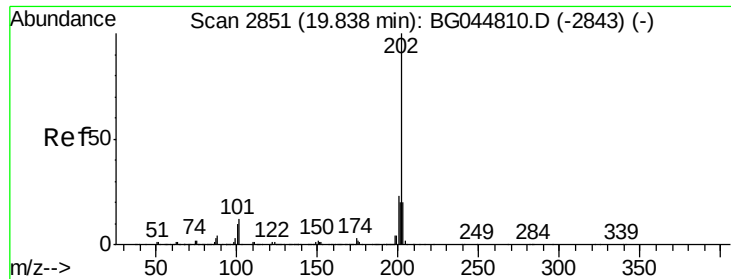


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

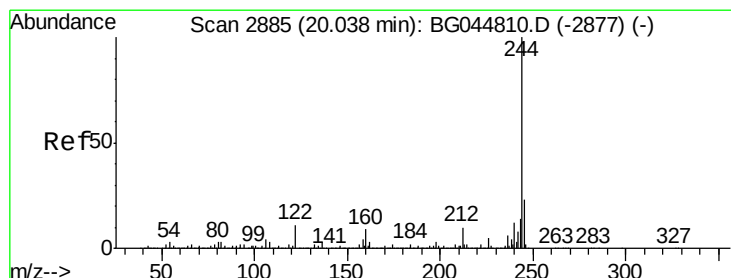
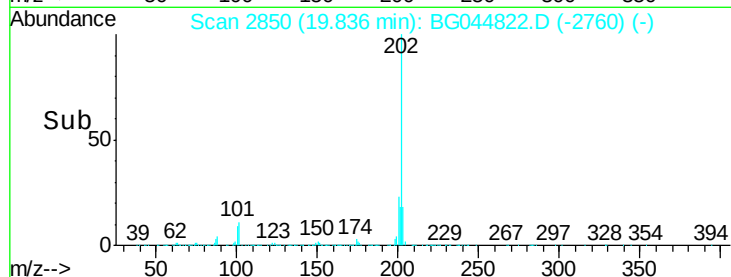
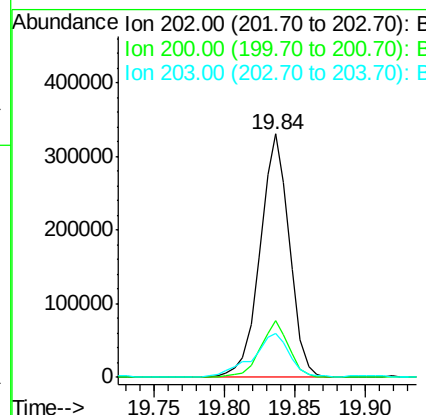
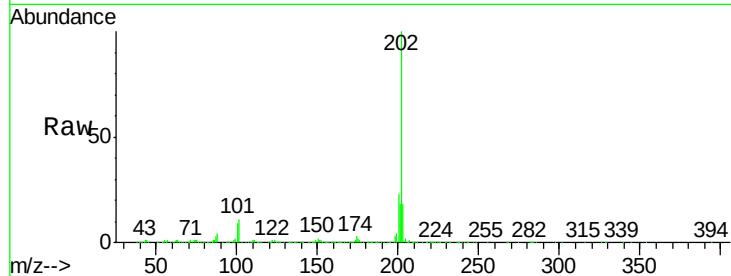




#78
 Pyrene
 Concen: 13.05 ng
 RT: 19.84 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: BG044822.D
 Acq: 16 Mar 2020 20:56

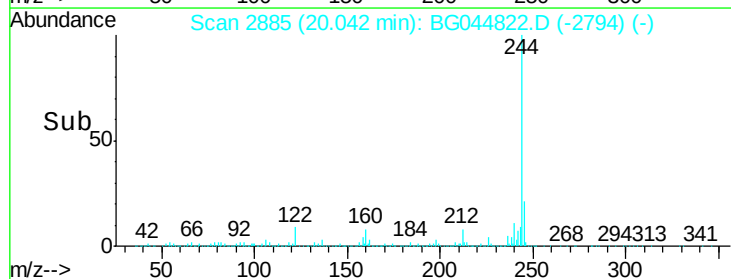
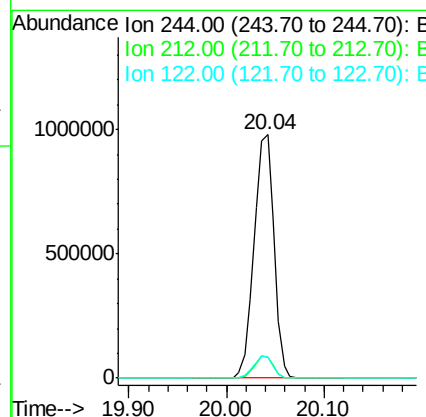
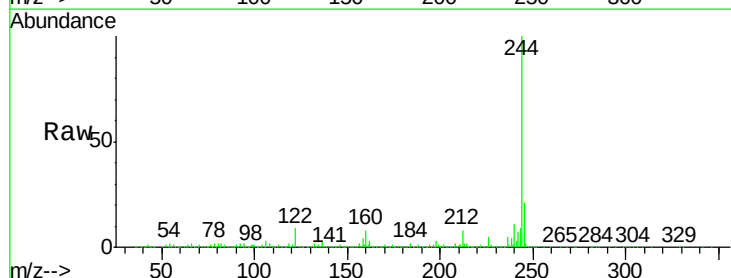
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-SA

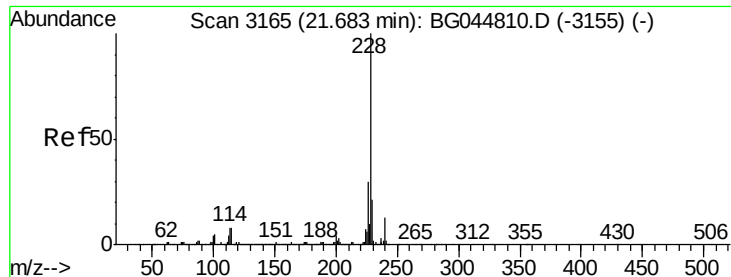
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.3	27.5
203	17.9	15.6	23.4



#79
 Terphenyl-d14
 Concen: 52.27 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.00 min
 Lab File: BG044822.D
 Acq: 16 Mar 2020 20:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.7	11.5
122	8.5	8.6	12.8#

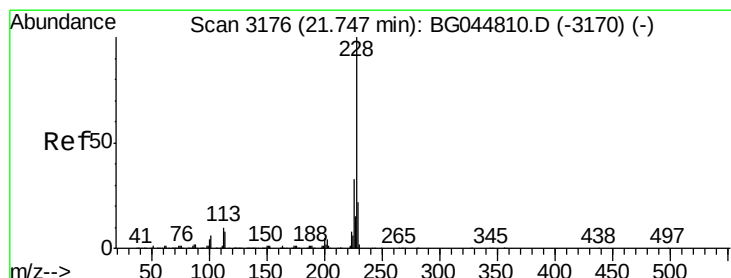
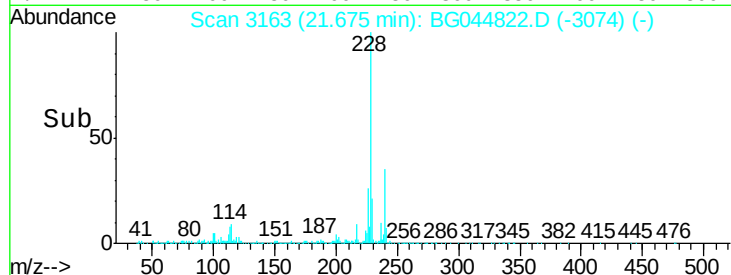
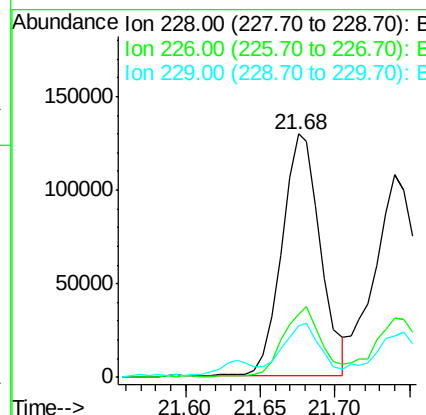
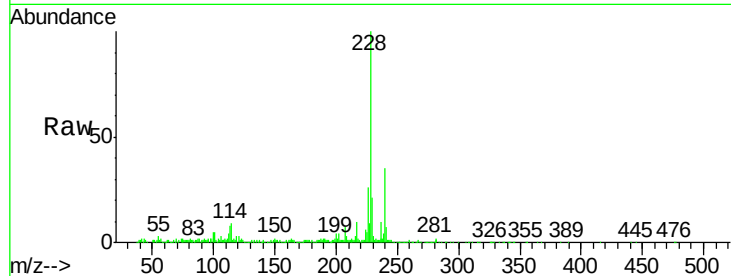




#81
Benzo(a)anthracene
Concen: 6.43 ng
RT: 21.68 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

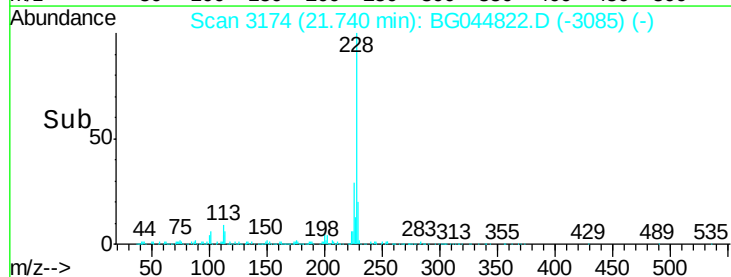
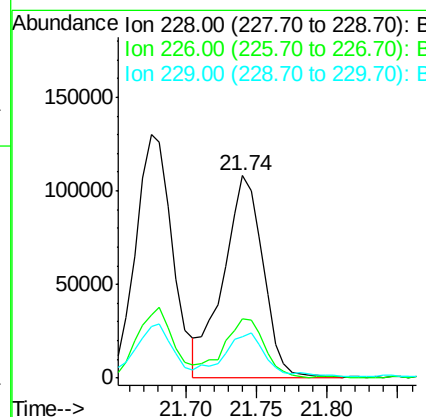
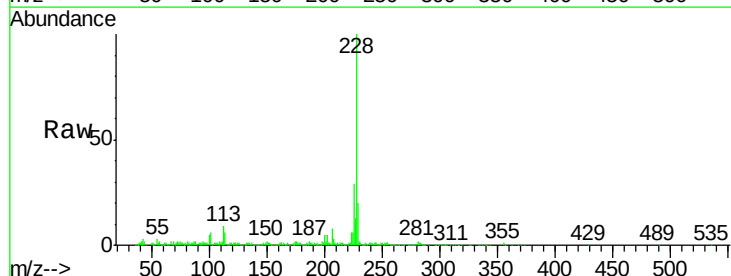
Instrument :
BNA_G
ClientSampleId :
TP-7-SA

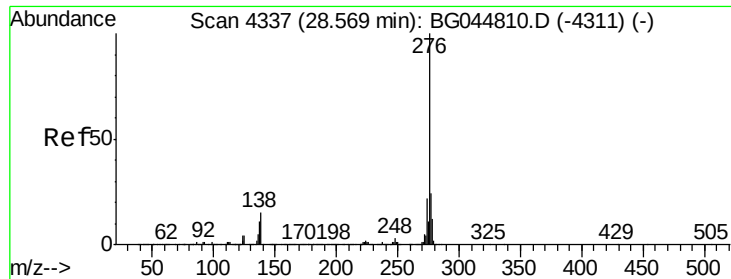
Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	23.6	35.4
229	21.4	17.1	25.7



#83
Chrysene
Concen: 6.04 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.9	38.9
229	20.3	17.4	26.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.29 ng

RT: 28.54 min Scan# 4332

Delta R.T. -0.03 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampleId :

TP-7-SA

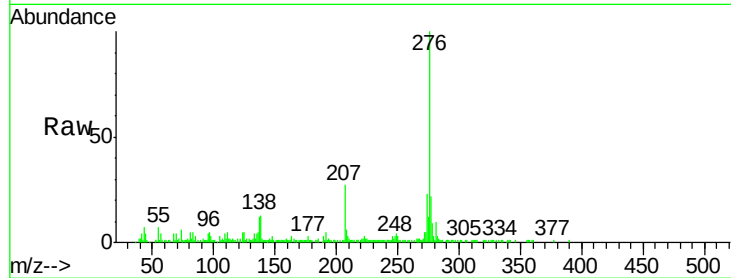
Tgt Ion:276 Resp: 149778

Ion Ratio Lower Upper

276 100

138 5.0 7.4 11.0#

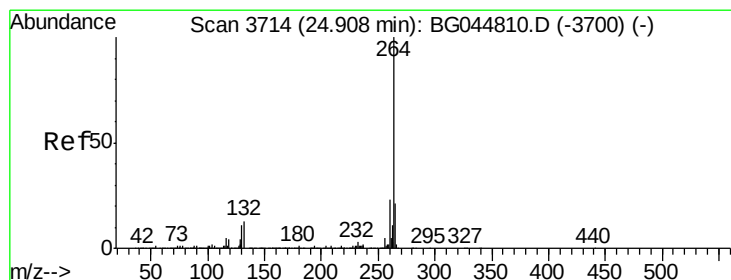
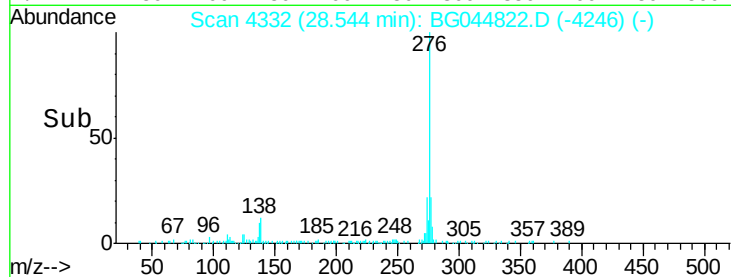
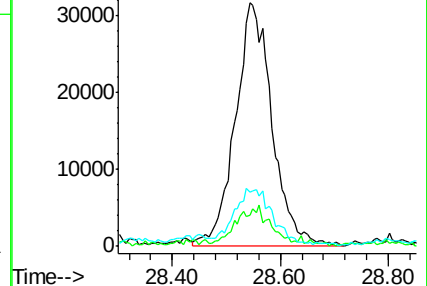
277 23.9 20.8 31.2



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: 20.00 ng

RT: 24.91 min Scan# 3714

Delta R.T. 0.00 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

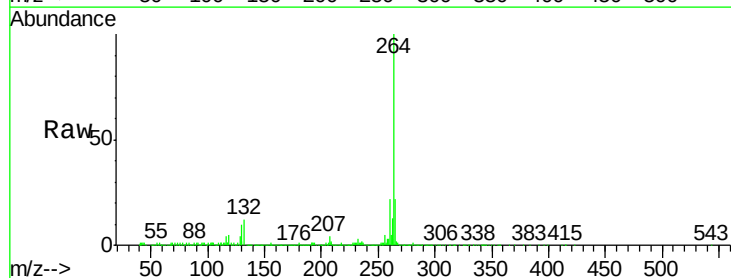
Tgt Ion:264 Resp: 582244

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

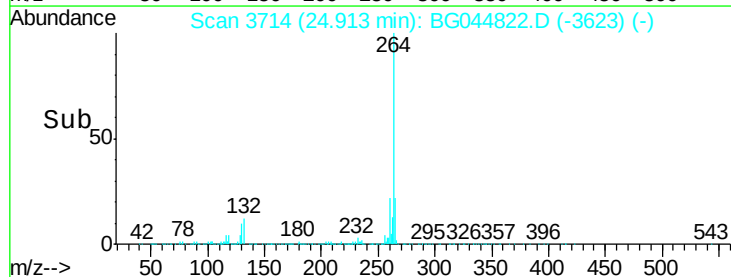
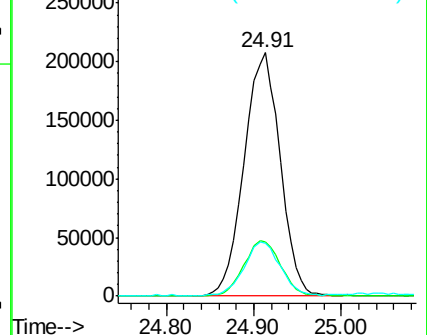
265 21.8 17.1 25.7

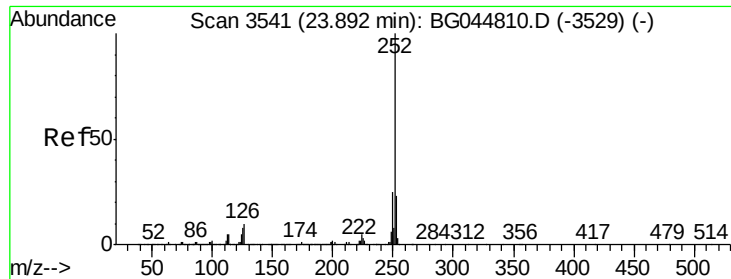


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

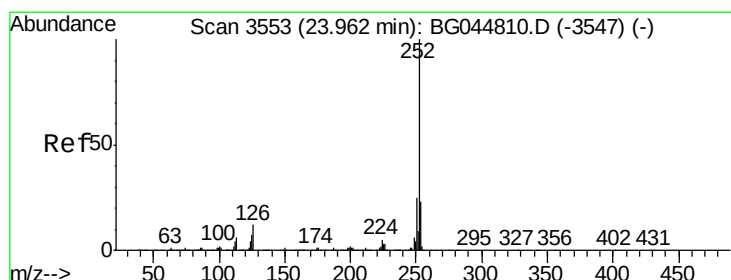
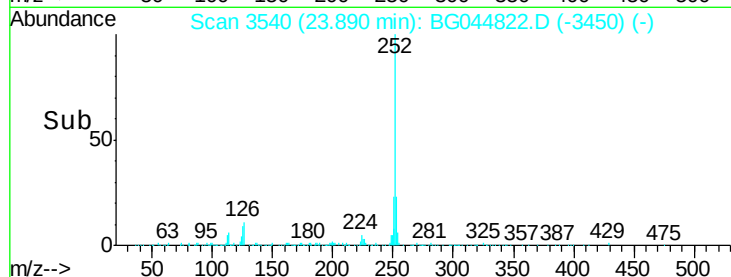
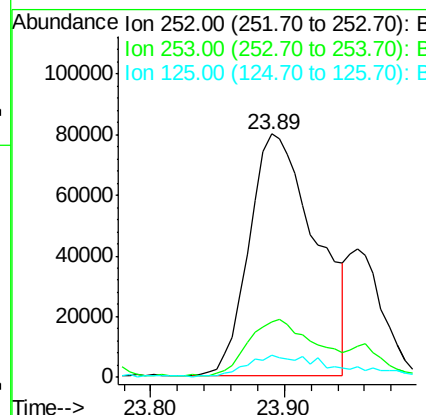
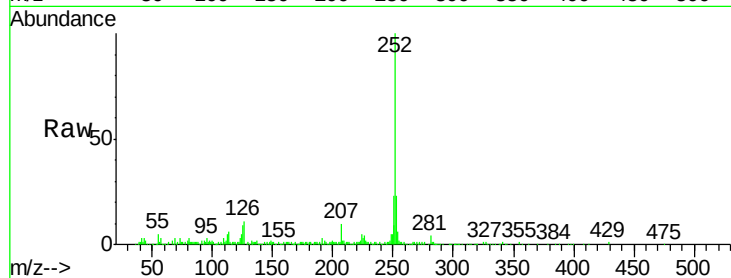




#88
Benzo(b)fluoranthene
Concen: 7.20 ng
RT: 23.89 min Scan# 3540
Delta R.T. -0.00 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

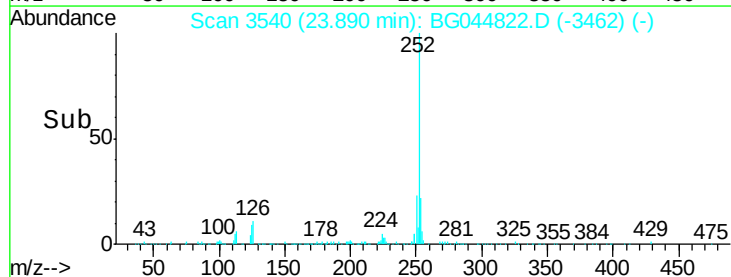
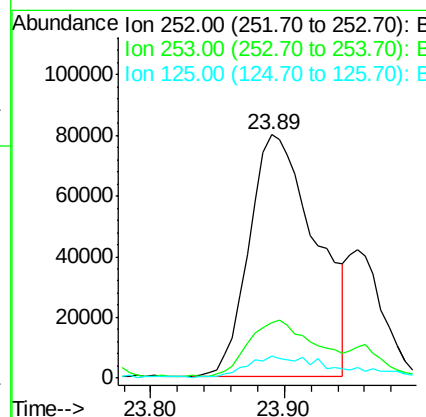
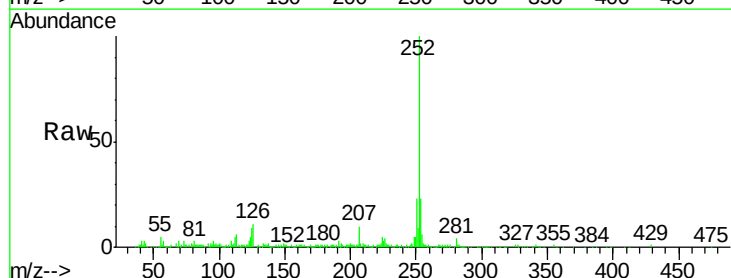
Instrument :
BNA_G
ClientSampleId :
TP-7-SA

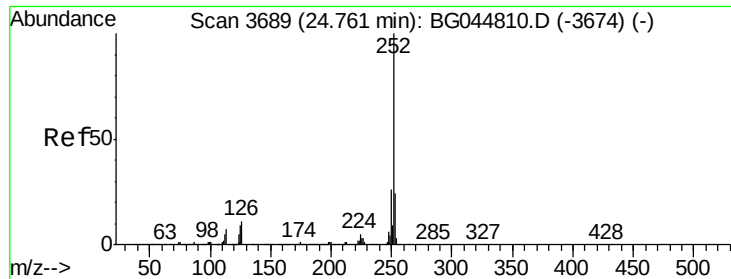
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	9.2	6.6	9.8



#89
Benzo(k)fluoranthene
Concen: 7.61 ng
RT: 23.89 min Scan# 3540
Delta R.T. -0.07 min
Lab File: BG044822.D
Acq: 16 Mar 2020 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	9.2	6.2	9.2





#90

Benzo(a)pyrene

Concen: 5.86 ng

RT: 24.75 min Scan# 3687

Delta R.T. -0.01 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

Instrument :

BNA_G

ClientSampleId :

TP-7-SA

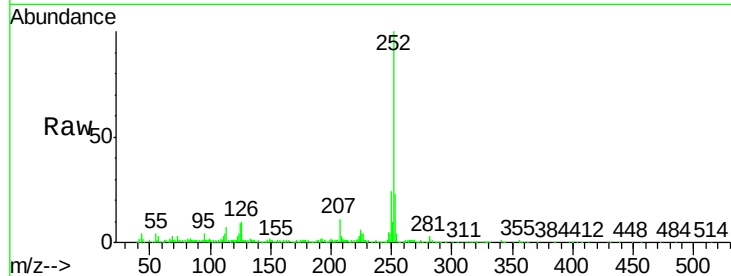
Tgt Ion:252 Resp: 210608

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.0

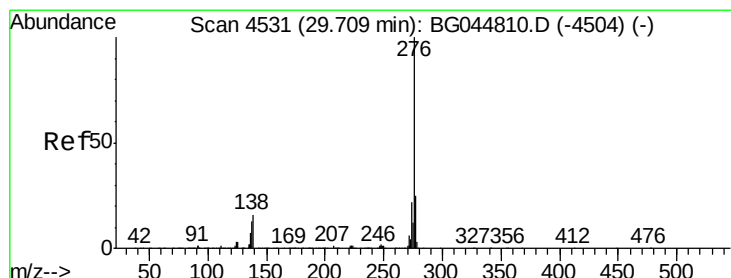
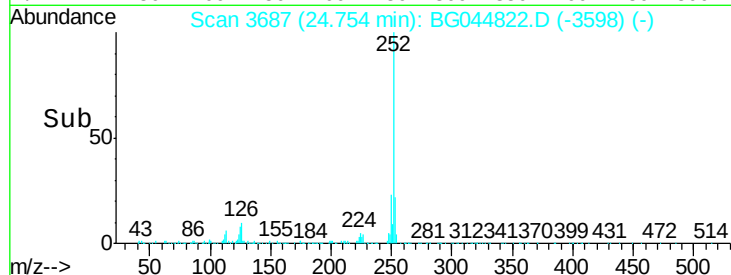
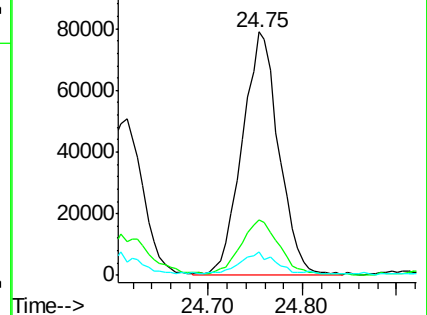
125 9.4 7.2 10.8



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



#92

Benzo(g,h,i)perylene

Concen: 4.26 ng

RT: 29.68 min Scan# 4525

Delta R.T. -0.03 min

Lab File: BG044822.D

Acq: 16 Mar 2020 20:56

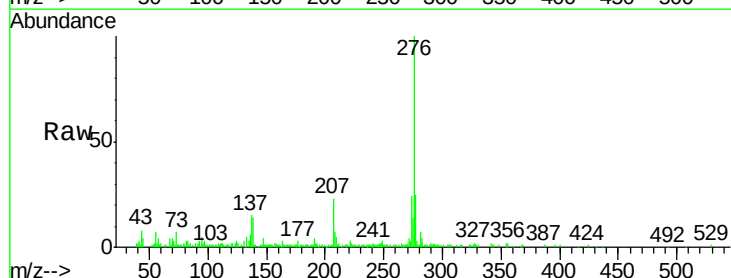
Tgt Ion:276 Resp: 152837

Ion Ratio Lower Upper

276 100

277 25.5 20.1 30.1

138 13.6 13.0 19.6



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

