

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042522.D
 Acq On : 28 Aug 2019 2:34
 Operator : HP/JU
 Sample : K4526-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 04:04:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37486	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	149036	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	115023	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	275225	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	321164	20.00	ng	-0.01
87) Perylene-d12	24.92	264	379979	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	208336	112.56	ng	0.00
7) Phenol-d6	7.16	99	279594	111.83	ng	-0.01
23) Nitrobenzene-d5	9.16	82	162826	75.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	194151	118.76	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	541103	79.56	ng	0.00
79) Terphenyl-d14	20.02	244	1080541	72.74	ng	0.00

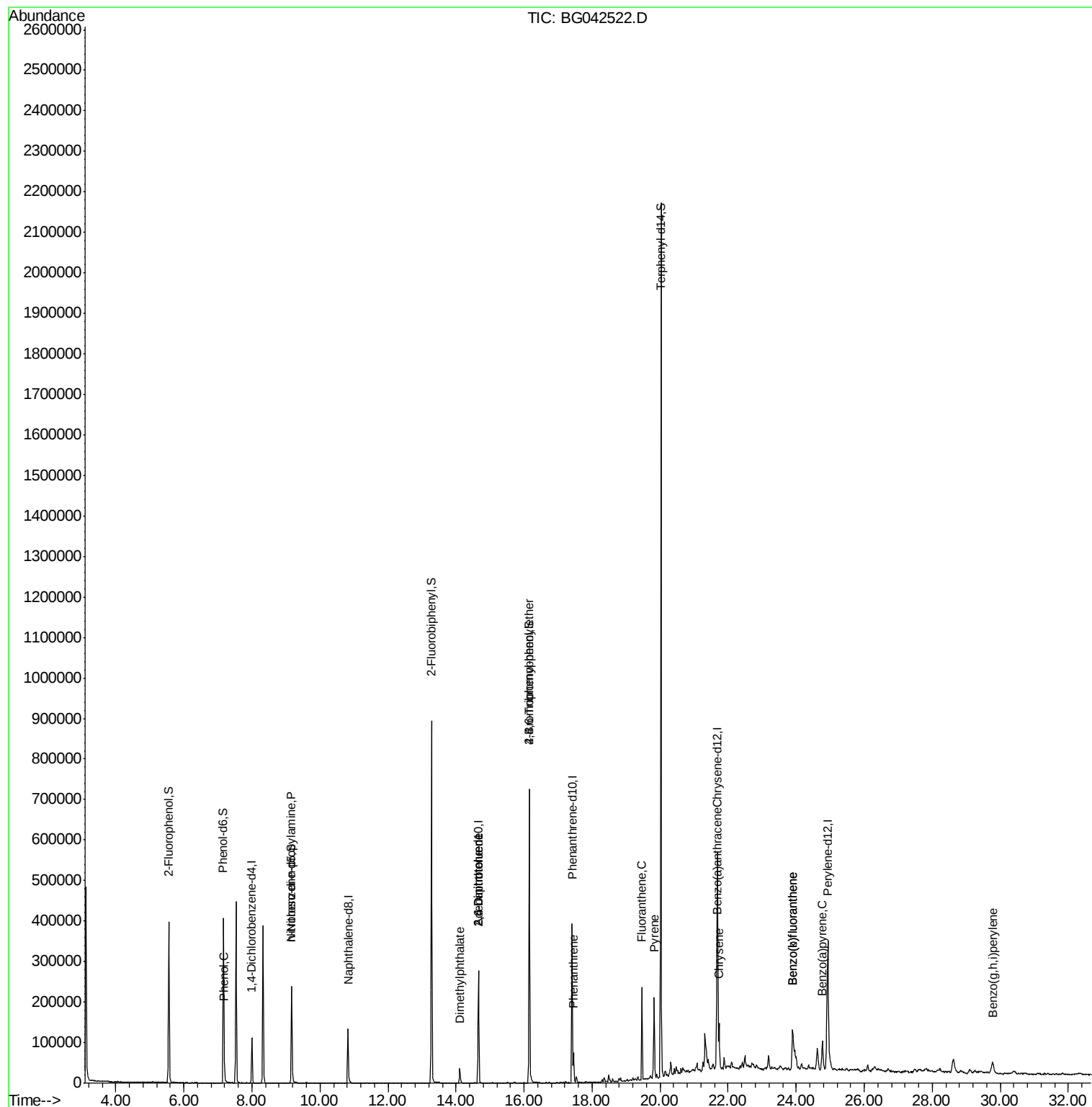
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	12474	4.907	ng	84
19) n-Nitroso-di-n-propylamine	9.17	70	20374	12.579	ng	# 71
50) Dimethylphthalate	14.11	163	41075	4.949	ng	100
51) 2,6-Dinitrotoluene	14.66	165	14226	7.395	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	14226	5.164	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13293	3.808	ng	# 1
71) Phenanthrene	17.45	178	53672	3.926	ng	96
75) Fluoranthene	19.46	202	162689	9.751	ng	94
78) Pyrene	19.82	202	143317	7.279	ng	96
81) Benzo(a)anthracene	21.66	228	83327	4.265	ng	97
83) Chrysene	21.73	228	87306	4.634	ng	97
88) Benzo(b)fluoranthene	23.89	252	126354	6.049	ng	98
89) Benzo(k)fluoranthene	23.89	252	126354	6.293	ng	98
90) Benzo(a)pyrene	24.77	252	81377	4.105	ng	97
92) Benzo(a,h,i)perylene	29.77	276	62555	3.116	ng	96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042522.D
Acq On : 28 Aug 2019 2:34
Operator : HP/JU
Sample : K4526-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 28 04:04:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration



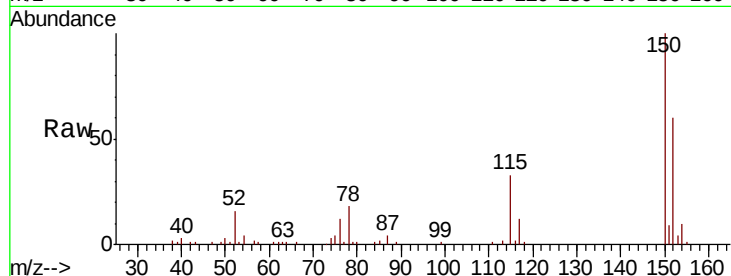


#1

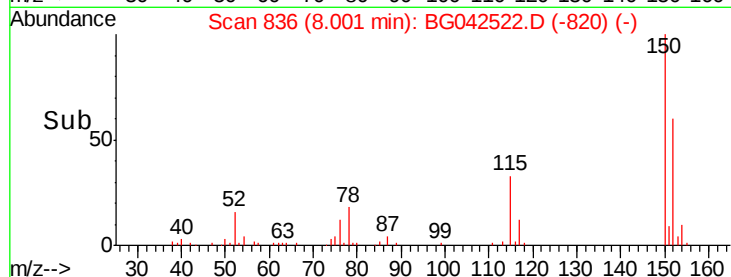
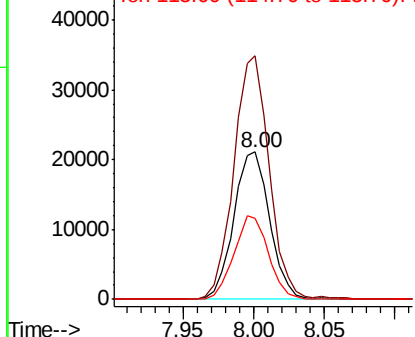
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37486
Ion Ratio Lower Upper
152 100
150 165.6 125.4 188.0
115 54.9 38.5 57.7



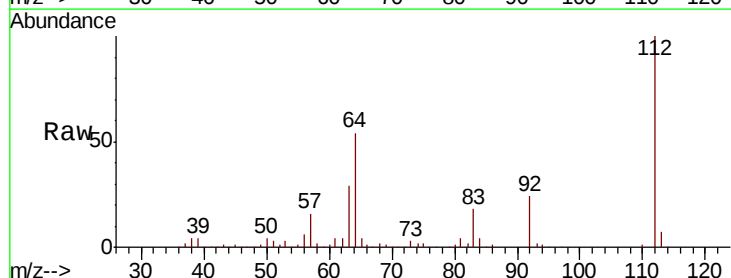
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



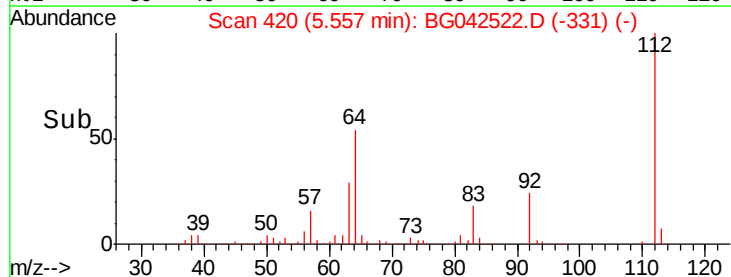
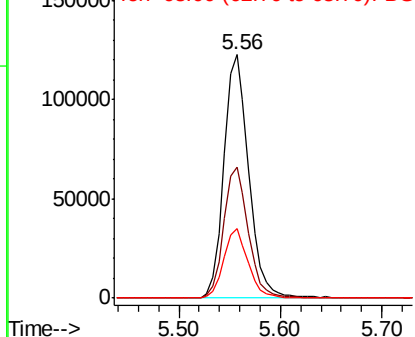
#5

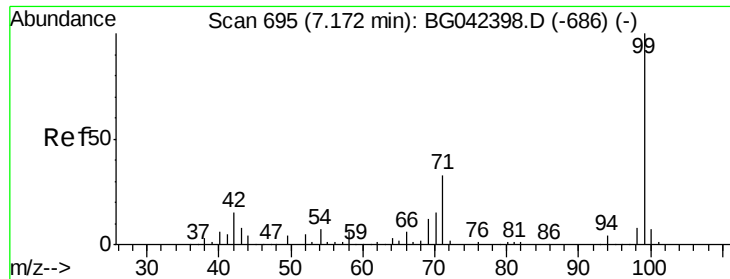
2-Fluorophenol
Concen: 112.560 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion:112 Resp: 208336
Ion Ratio Lower Upper
112 100
64 53.7 42.8 64.2
63 28.6 22.7 34.1



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: 111.831 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

BNA_G

ClientSampleId :

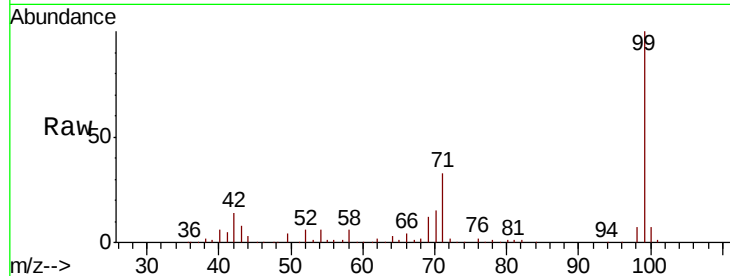
Tot Ion: 99 Resp: 279594

Ion Ratio Lower Upper

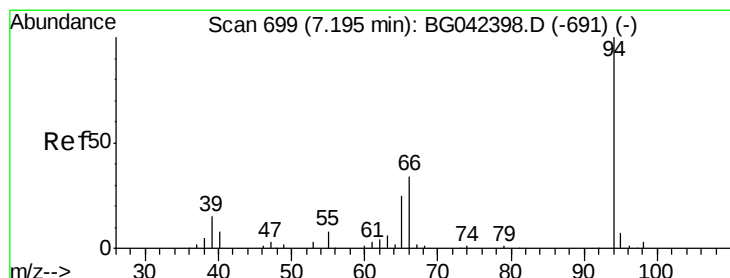
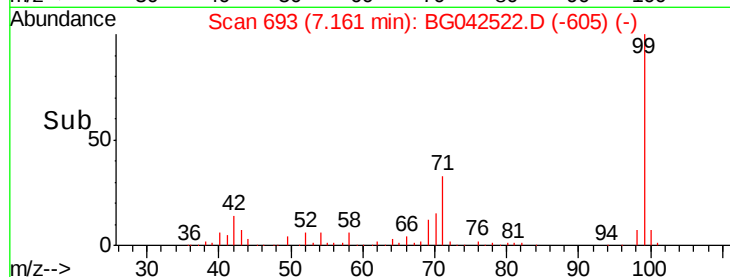
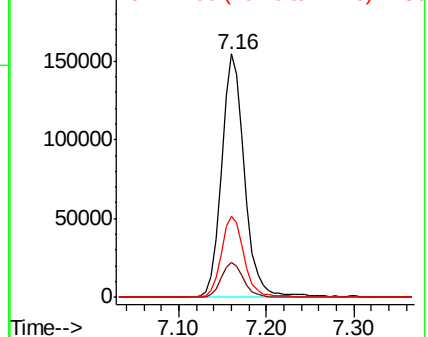
99 100

42 14.3 12.0 18.0

71 33.4 26.3 39.5



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



#10

Phenol

Concen: 4.907 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

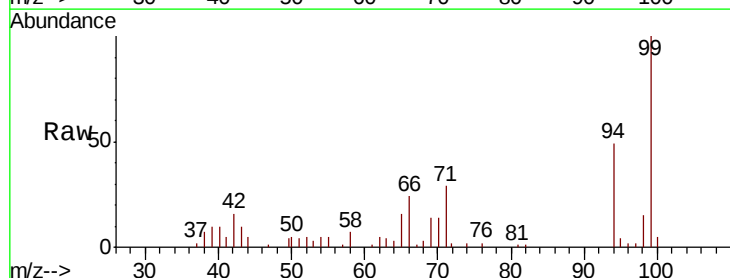
Tgt Ion: 94 Resp: 12474

Ion Ratio Lower Upper

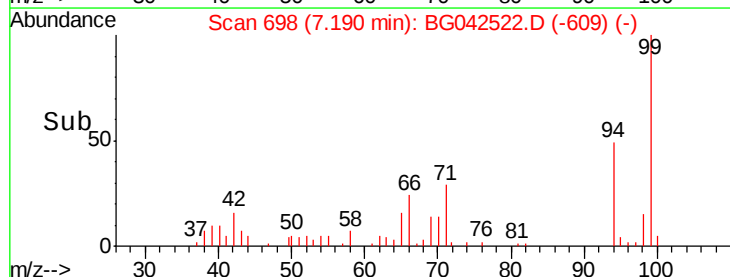
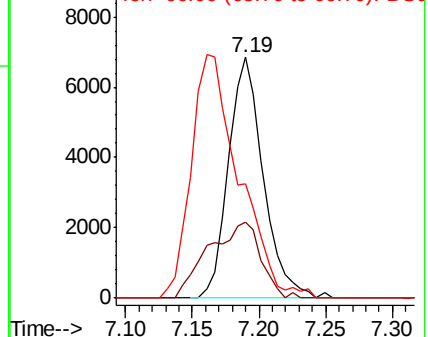
94 100

65 31.3 5.6 45.6

66 47.7 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

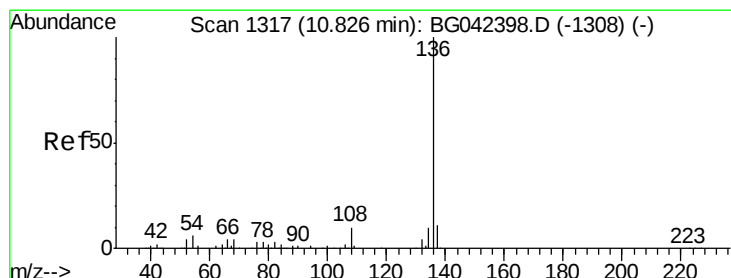
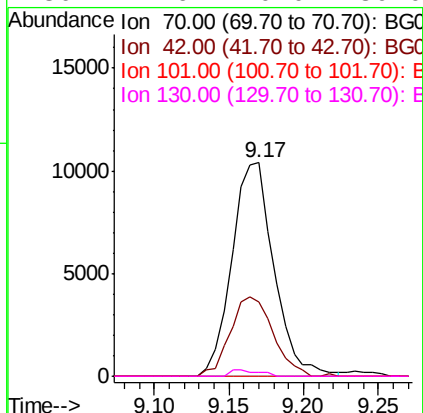
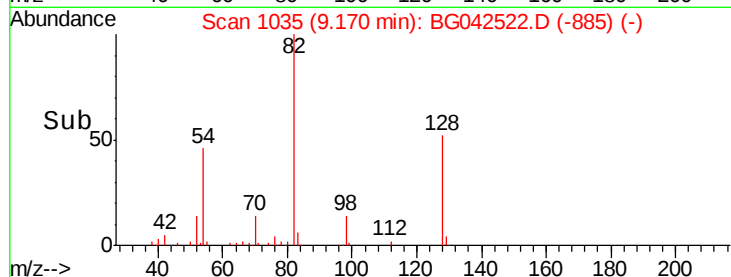
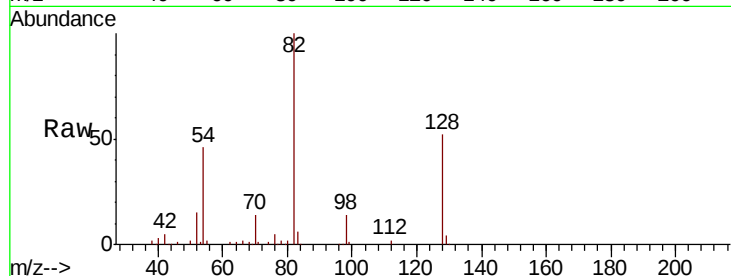




#19
n-Nitroso-di-n-propylamine
Concen: 12.579 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

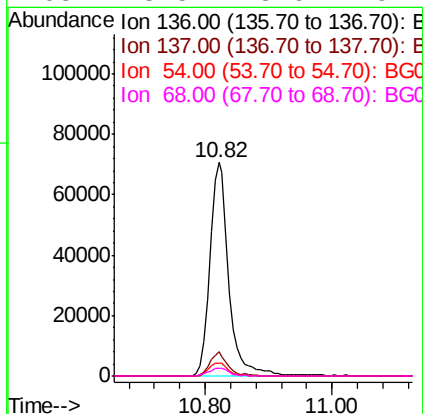
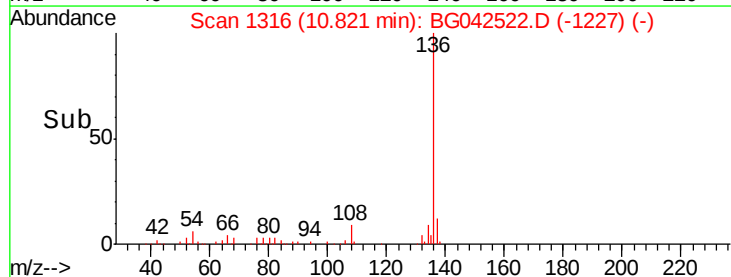
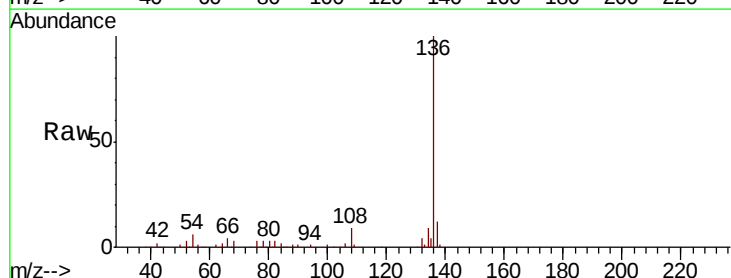
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 20374
Ion Ratio Lower Upper
70 100
42 34.9 38.8 58.2#
101 0.0 9.0 13.6#
130 1.6 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion: 136 Resp: 149036
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 6.1 4.9 7.3
68 3.5 3.6 5.4#

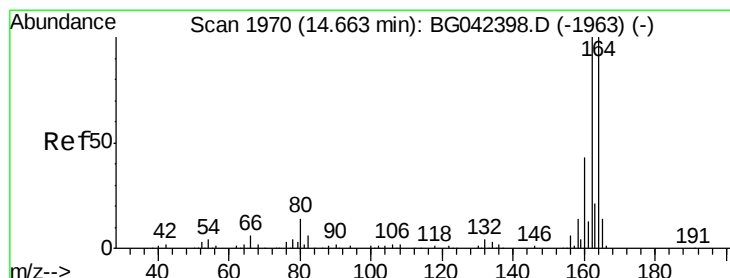
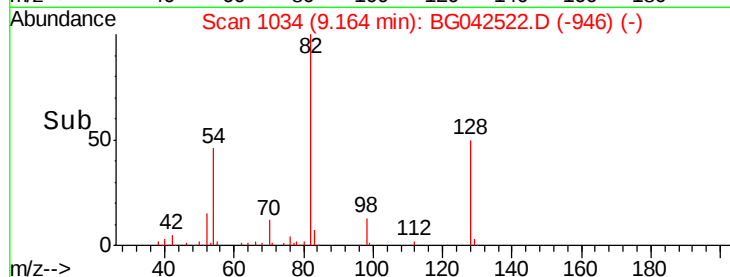
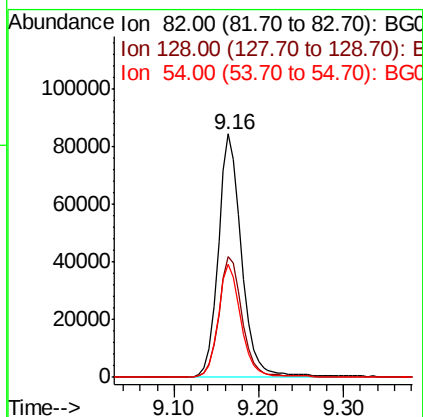
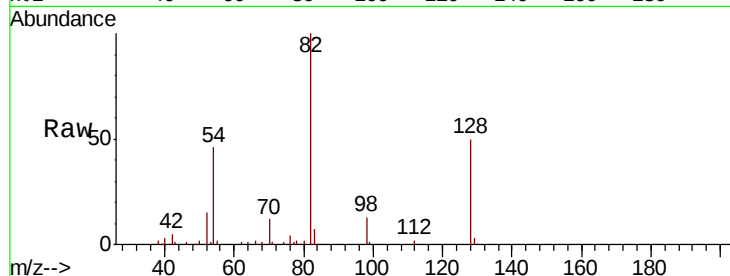




#23
 Nitrobenzene-d5
 Concen: 75.498 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

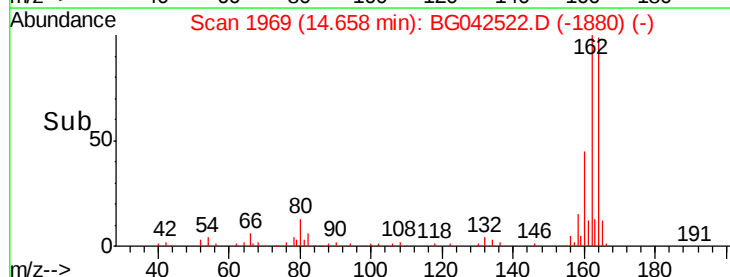
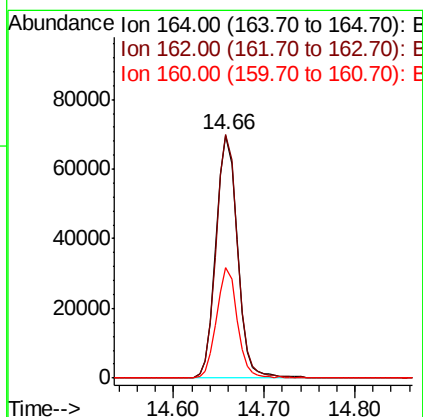
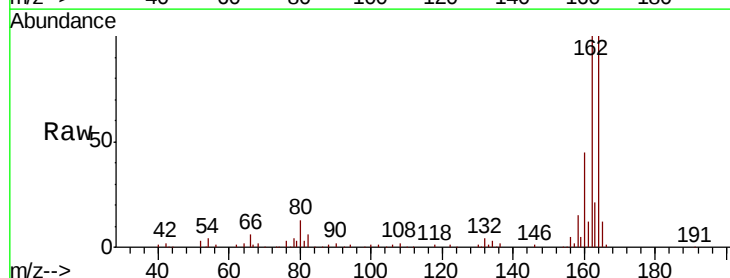
Instrument :
 BNA_G
 ClientSampled :

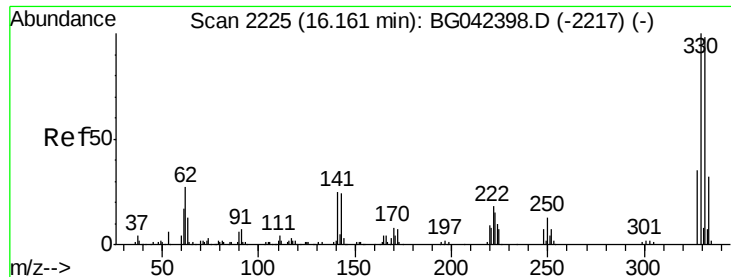
Tot Ion: 82 Resp: 162826
 Ion Ratio Lower Upper
 82 100
 128 49.6 40.7 61.1
 54 46.2 36.3 54.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

Tgt Ion:164 Resp: 115023
 Ion Ratio Lower Upper
 164 100
 162 100.3 79.9 119.9
 160 45.3 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 118.757 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

BNA_G

ClientSampleId :

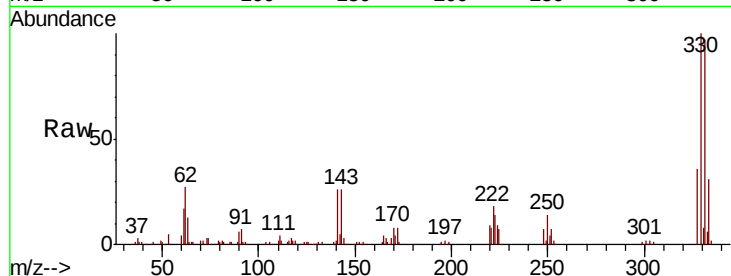
Tot Ion:330 Resp: 194151

Ion Ratio Lower Upper

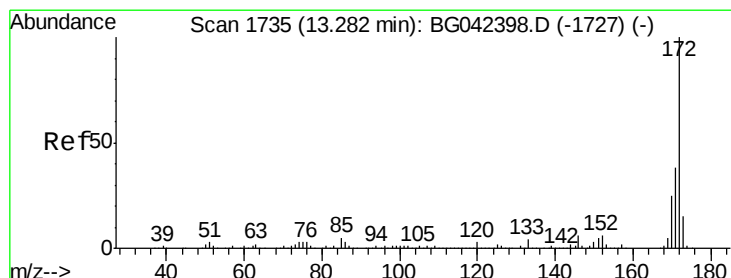
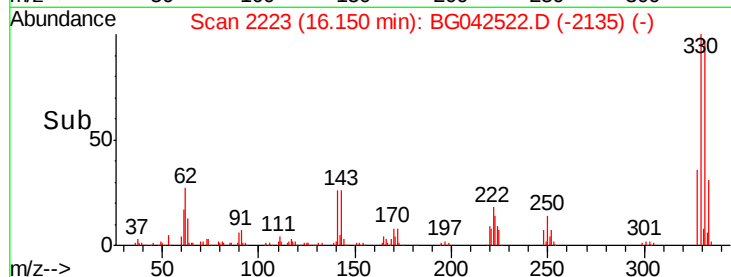
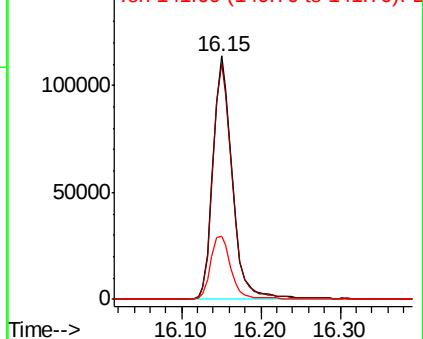
330 100

332 98.2 77.4 116.0

141 27.6 21.4 32.0



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: 79.563 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

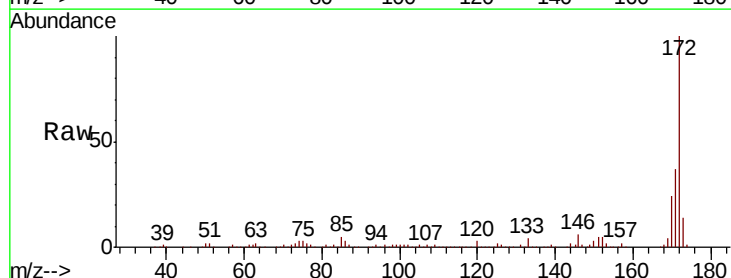
Tgt Ion:172 Resp: 541103

Ion Ratio Lower Upper

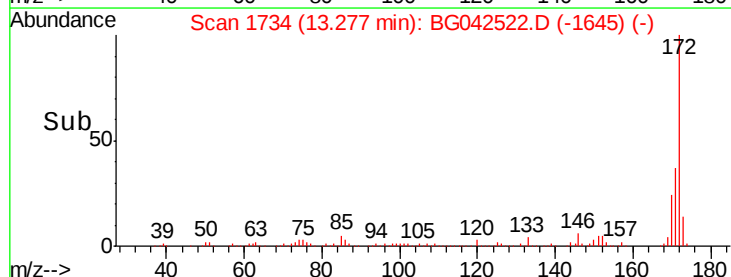
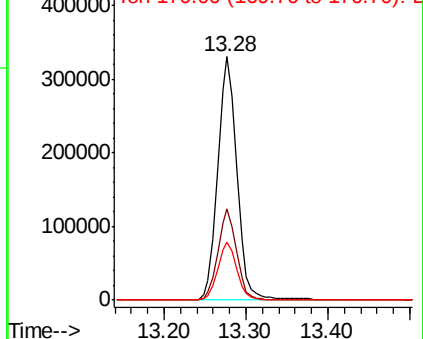
172 100

171 37.3 30.5 45.7

170 24.1 20.2 30.2



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





#50

Dimethylphthalate

Concen: 4.949 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

BNA_G

ClientSampled :

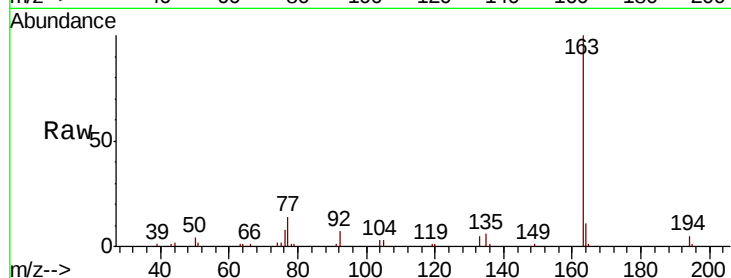
Tot Ion:163 Resp: 41075

Ion Ratio Lower Upper

163 100

194 5.4 4.2 6.2

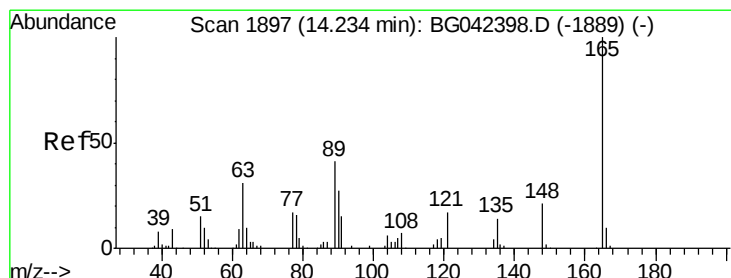
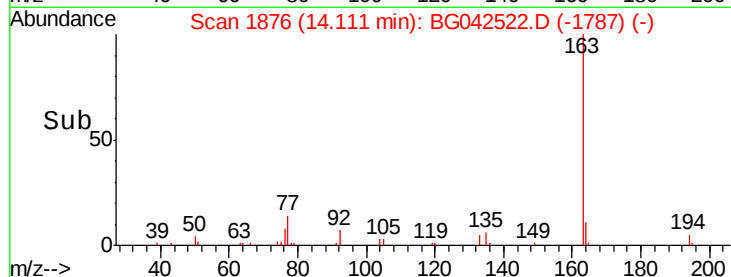
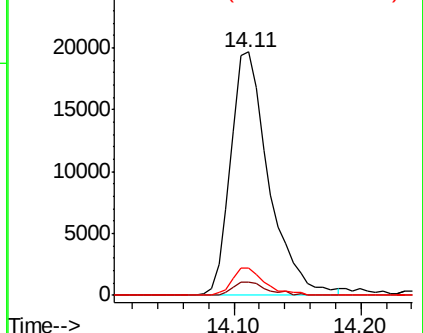
164 11.1 8.8 13.2



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: 7.395 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

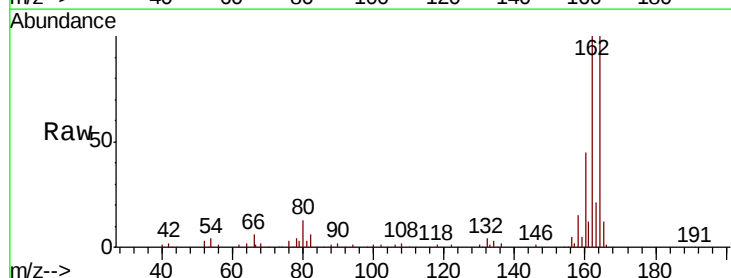
Tgt Ion:165 Resp: 14226

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

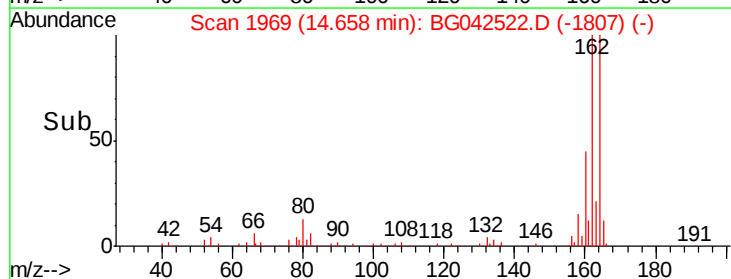
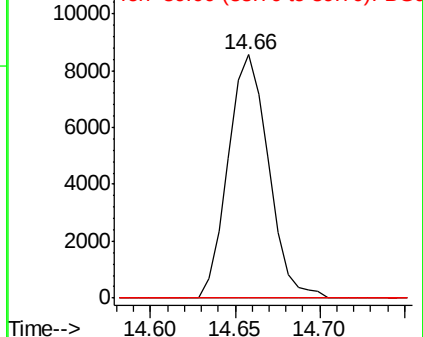
89 0.0 32.6 49.0#

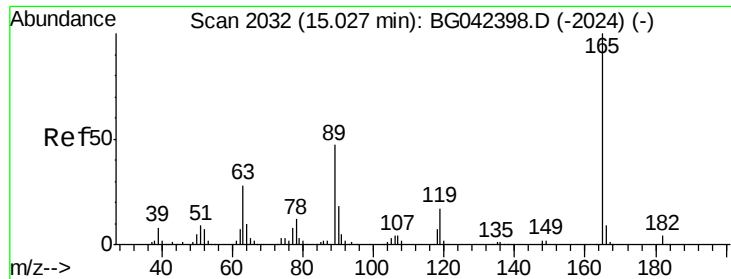


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

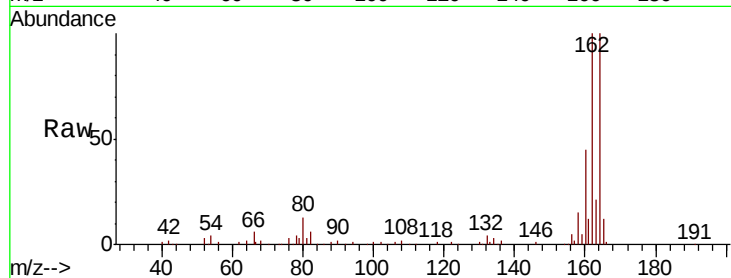




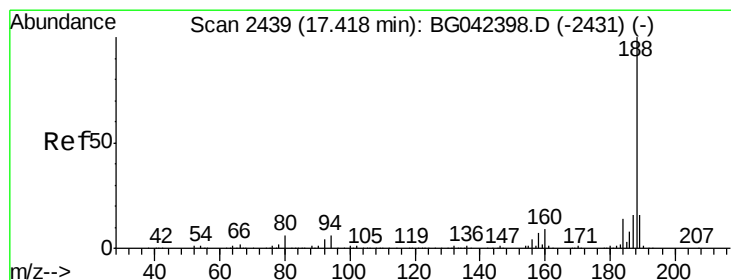
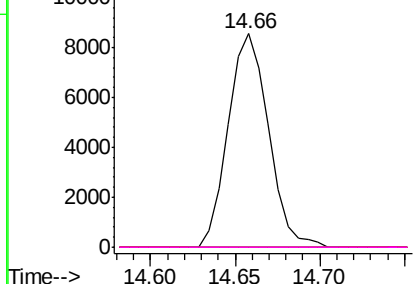
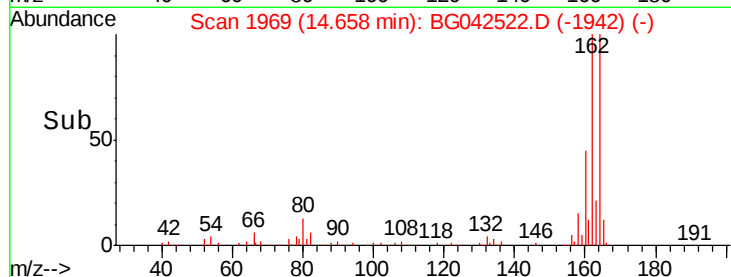
#57
 2,4-Dinitrotoluene
 Concen: 5.164 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

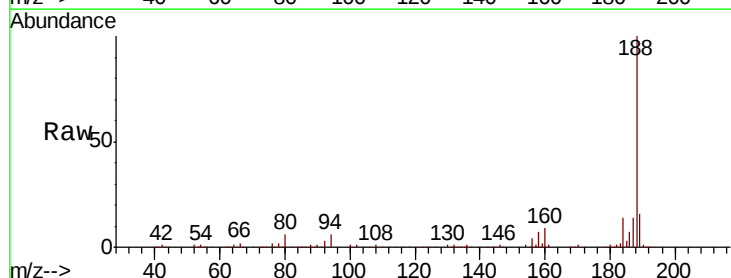


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

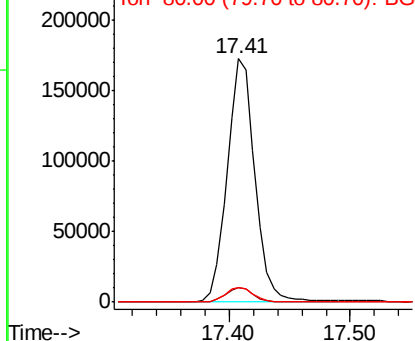
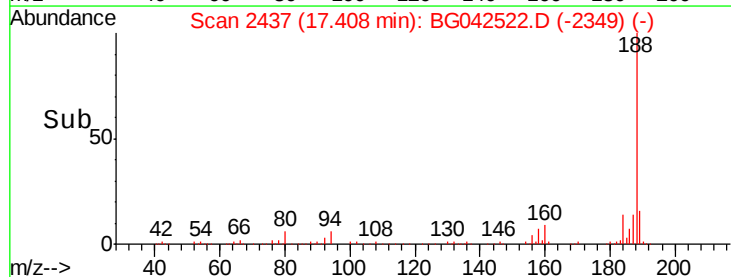


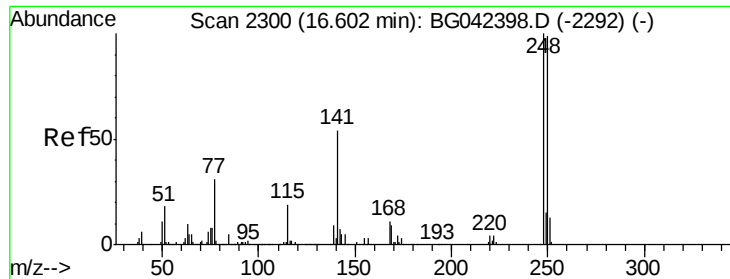
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.5	6.7
80	6.1	4.9	7.3



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

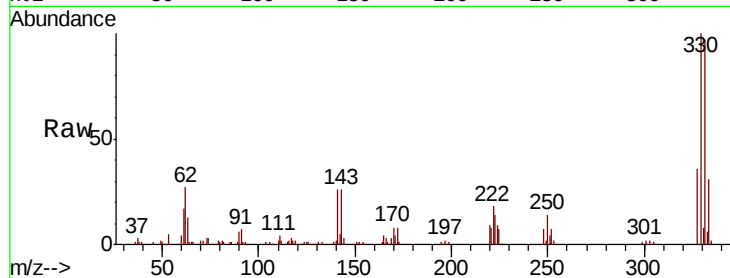




#67
 4-Bromophenyl-phenylether
 Concen: 3.808 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.5	78.9	118.3#
141	371.2	43.3	64.9#

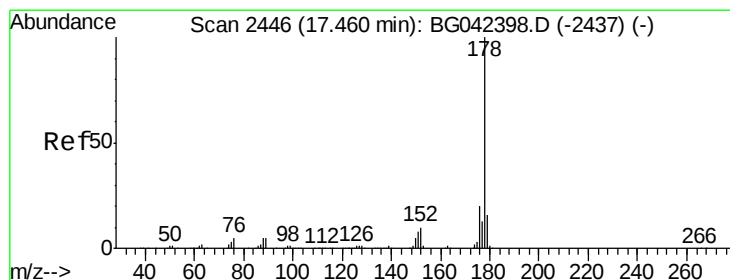
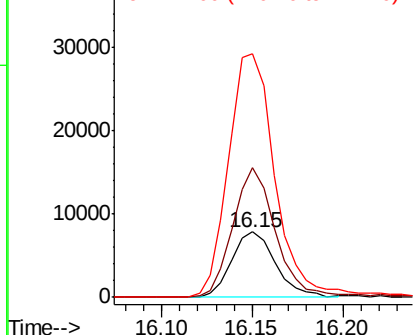
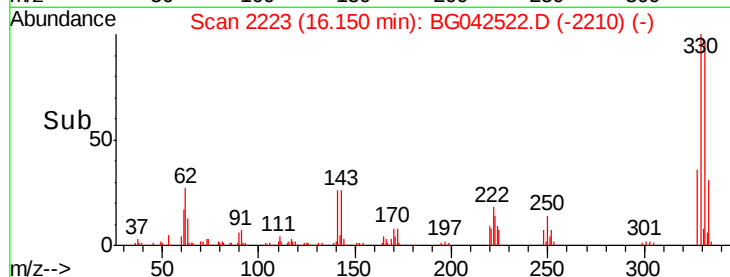


Abundance

Ion 248.00 (247.70 to 248.70): E

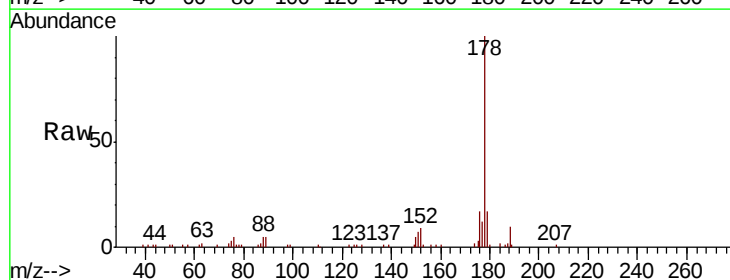
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 3.926 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.9	23.9
179	16.7	12.7	19.1

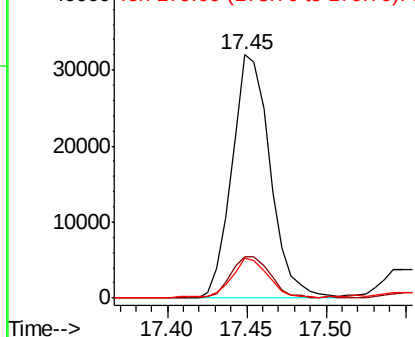
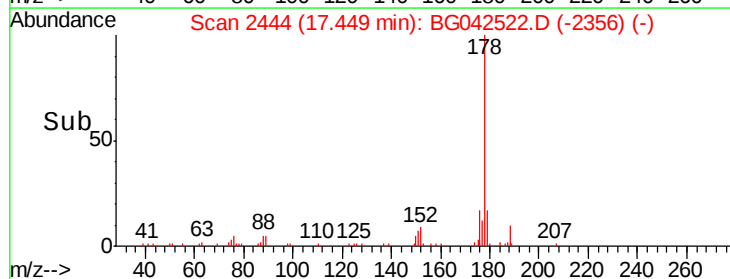


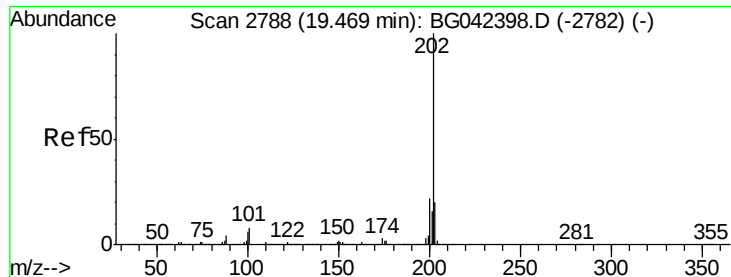
Abundance

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: 9.751 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042522.D

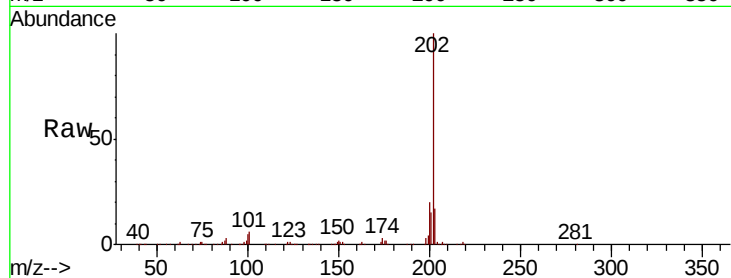
Acq: 28 Aug 2019 2:34

Instrument :

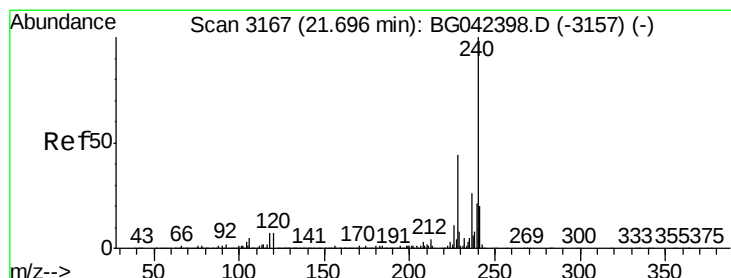
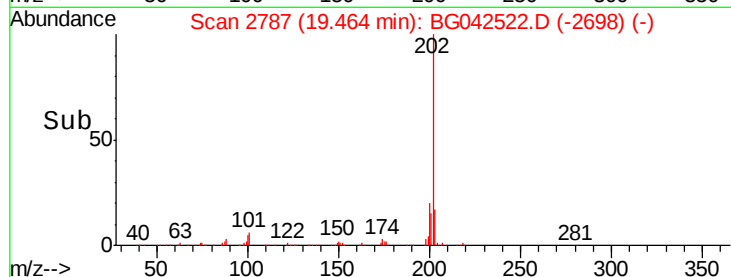
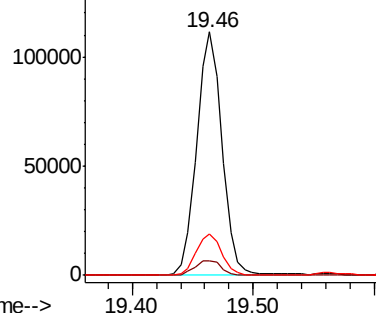
BNA_G

ClientSampled :

Tot Ion:	202	Resp:	162689
Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	28.3
203	17.0	0.0	39.6



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

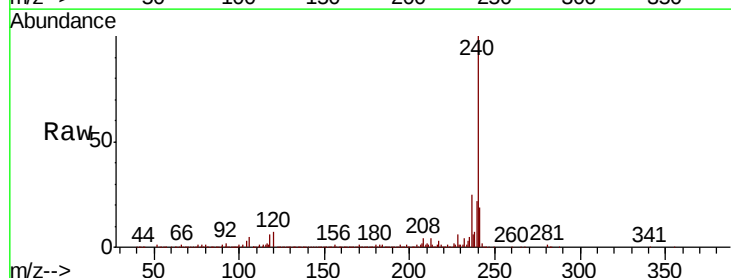
RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

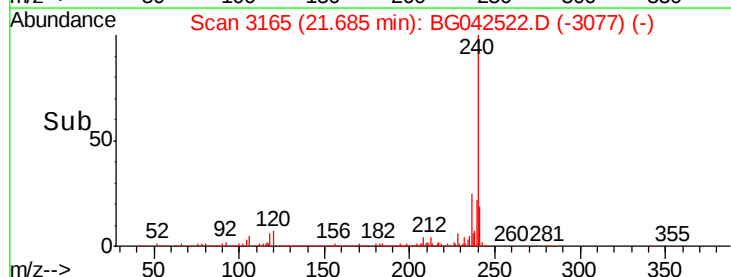
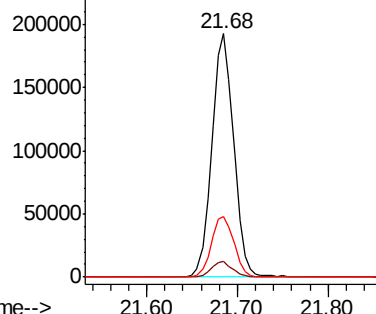
Lab File: BG042522.D

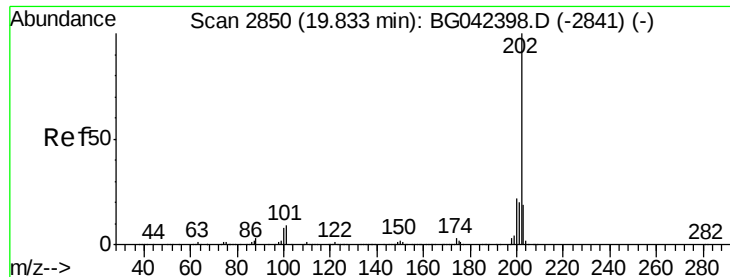
Acq: 28 Aug 2019 2:34

Tgt Ion:	240	Resp:	321164
Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.7	8.5
236	25.0	21.0	31.4



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

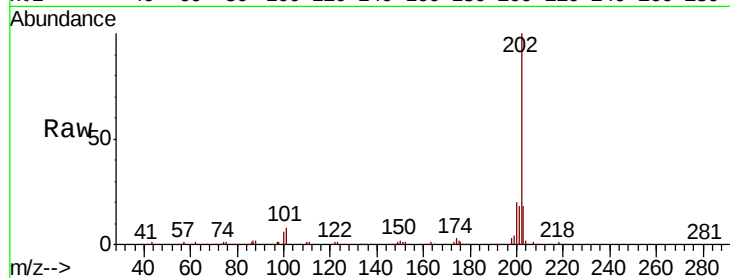




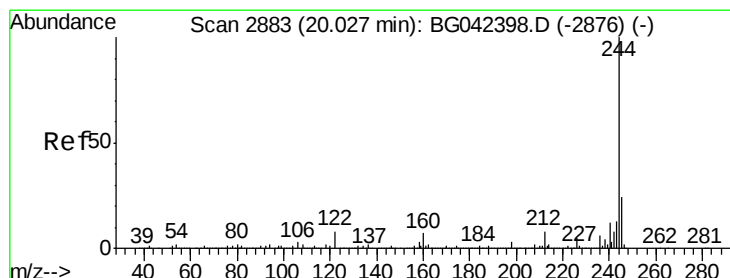
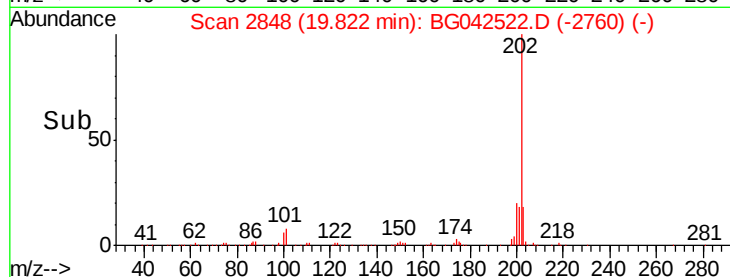
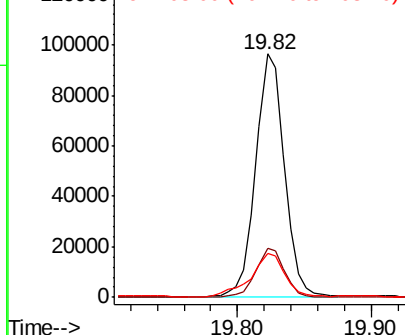
#78
Pvrene
Concen: 7.279 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 143317
Ion Ratio Lower Upper
202 100
200 20.0 17.8 26.6
203 18.2 15.5 23.3

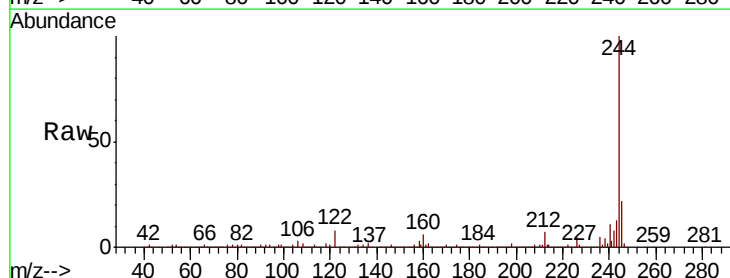


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

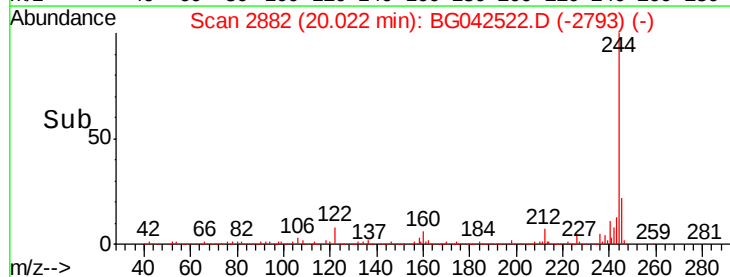
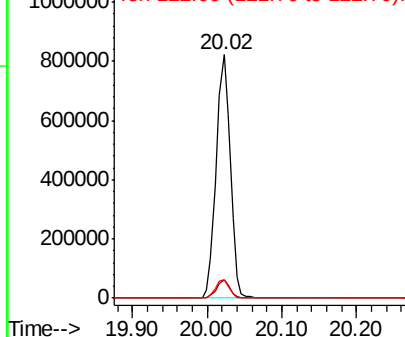


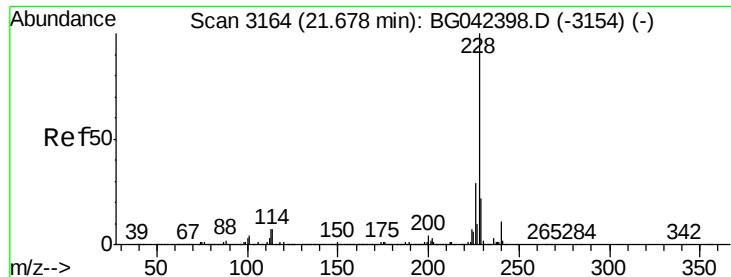
#79
Terphenyl-d14
Concen: 72.737 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion:244 Resp: 1080541
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 7.5 6.7 10.1



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

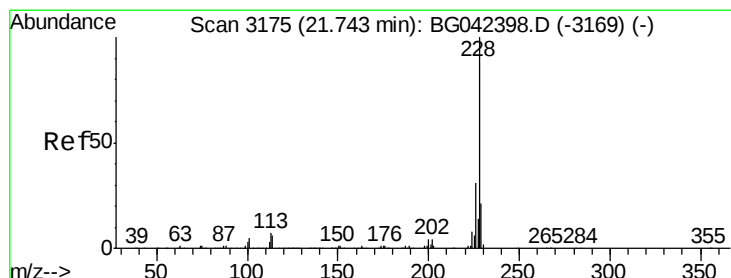
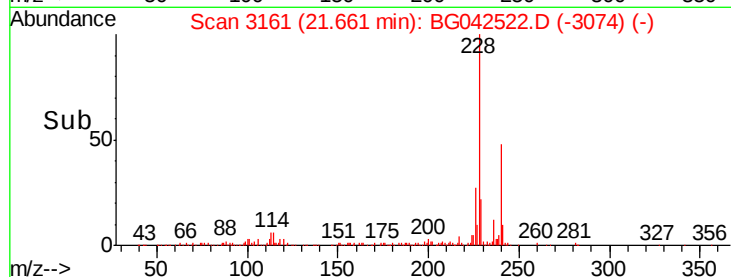
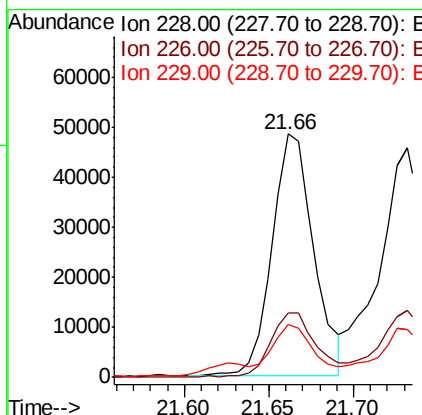
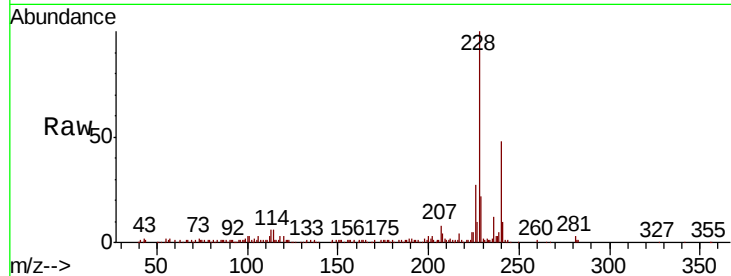




#81
Benzo(a)anthracene
Concen: 4.265 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

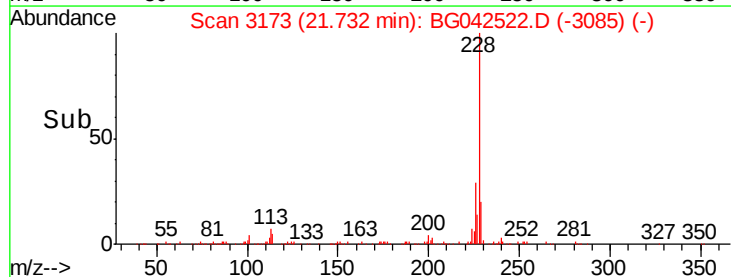
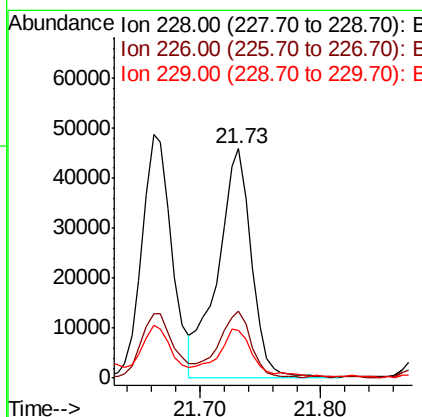
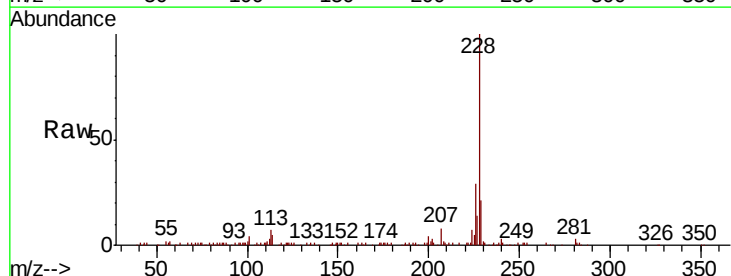
Instrument :
BNA_G
ClientSampleId :

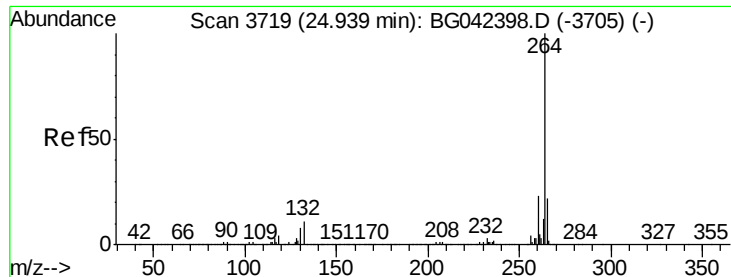
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.4	35.2
229	21.8	17.4	26.2



#83
Chrysene
Concen: 4.634 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	20.6	16.9	25.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

BNA_G

ClientSampleId :

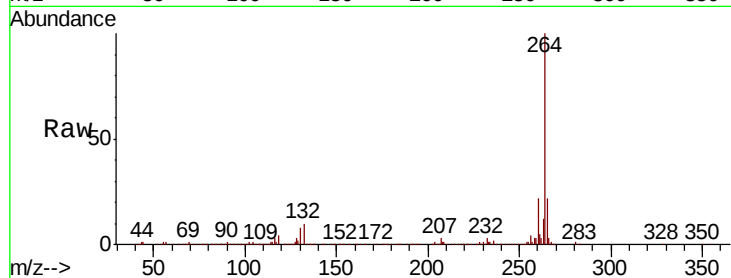
Tot Ion:264 Resp: 379979

Ion Ratio Lower Upper

264 100

260 22.0 18.5 27.7

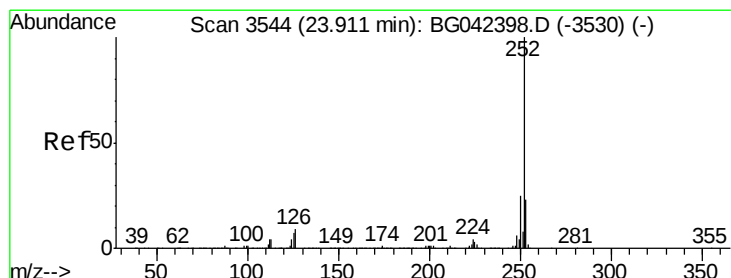
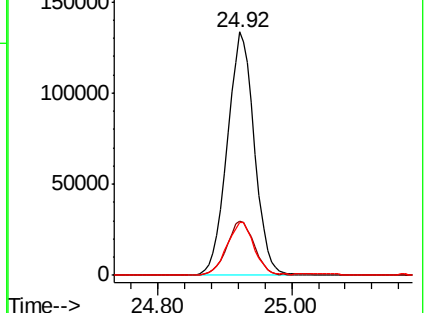
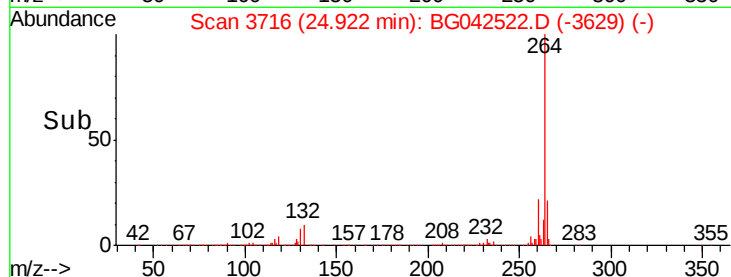
265 21.6 17.6 26.4



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: 6.049 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

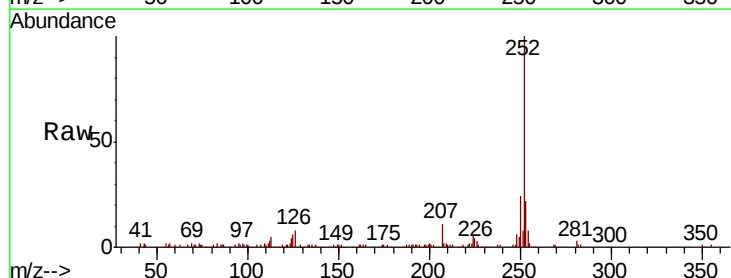
Tgt Ion:252 Resp: 126354

Ion Ratio Lower Upper

252 100

253 22.4 18.6 27.8

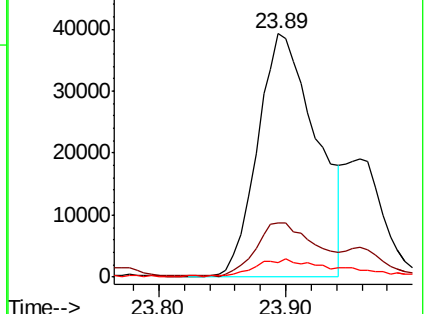
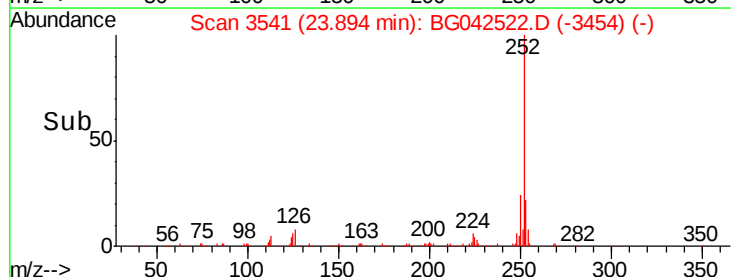
125 5.9 5.6 8.4

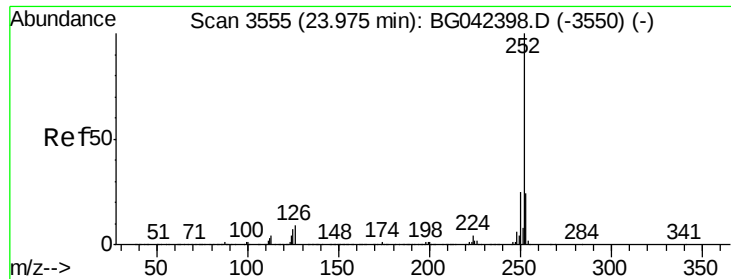


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

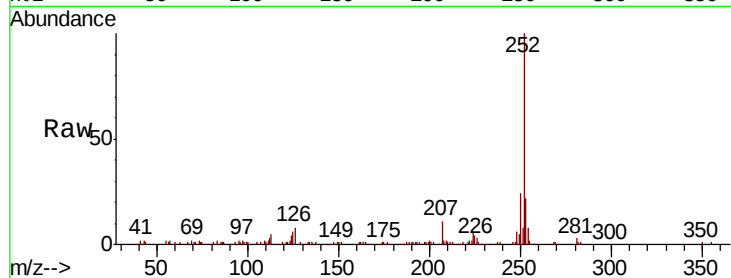




#89
Benzo(k)fluoranthene
Concen: 6.293 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	5.9	5.8	8.6

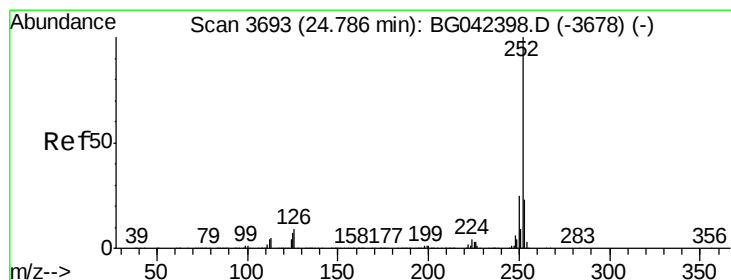
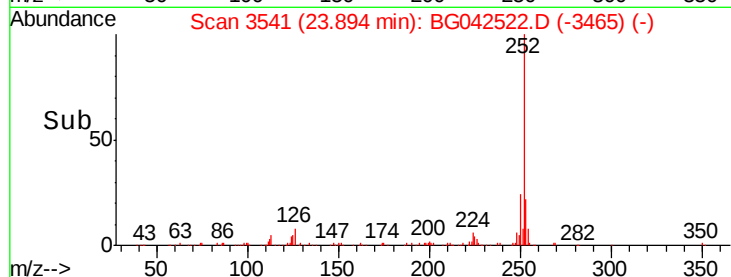
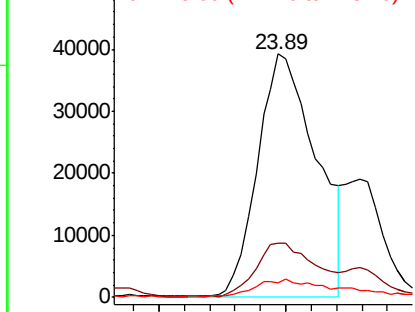


Abundance

Ion 252.00 (251.70 to 252.70): E

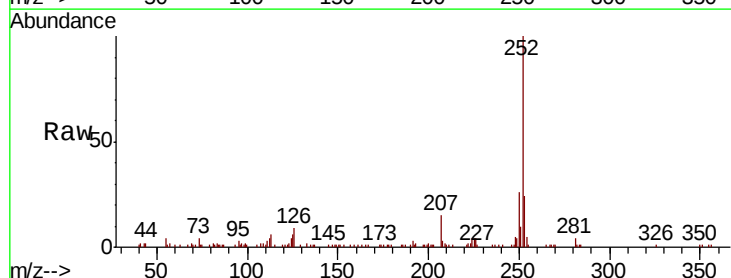
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.105 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	6.5	6.0	9.0

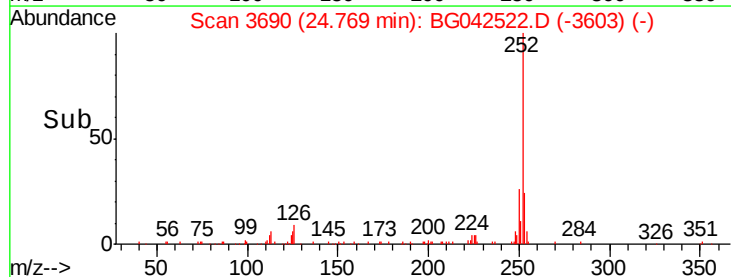
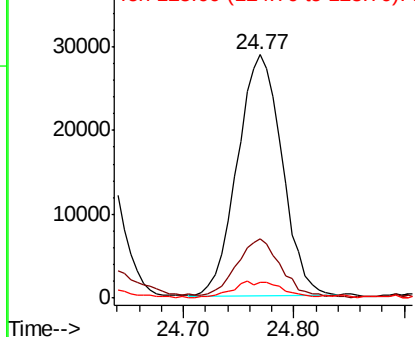


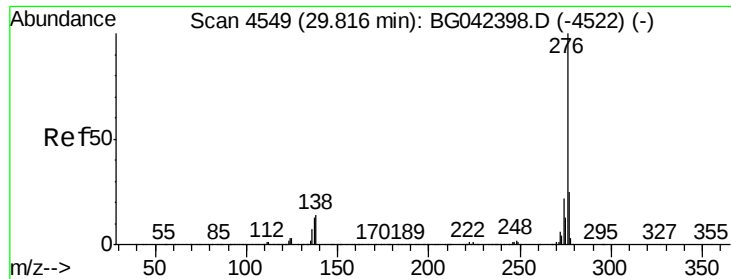
Abundance

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

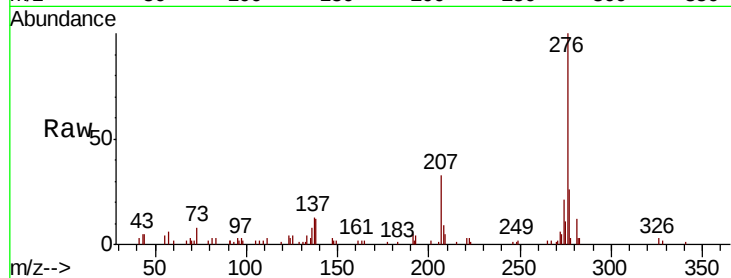




#92
 Benzo(a,h,i)perylene
 Concen: 3.116 ng
 RT: 29.77 min Scan# 4541
 Delta R.T. -0.05 min
 Lab File: BG042522.D
 Acq: 28 Aug 2019 2:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.8	29.8
138	12.4	11.4	17.0



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

