

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042485.D
 Acq On : 25 Aug 2019 19:37
 Operator : HP/JU
 Sample : K4493-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 06:34:37 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	47137	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	187721	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	142474	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	340671	20.00	ng	0.00
76) Chrysene-d12	21.69	240	351149	20.00	ng	0.00
87) Perylene-d12	24.93	264	408517	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	369970	158.96	ng	0.00
7) Phenol-d6	7.17	99	506382	161.07	ng	0.00
23) Nitrobenzene-d5	9.17	82	287459	105.82	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	311582	153.87	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	846982	100.54	ng	0.00
79) Terphenyl-d14	20.03	244	1431298	88.12	ng	0.00

Target Compounds

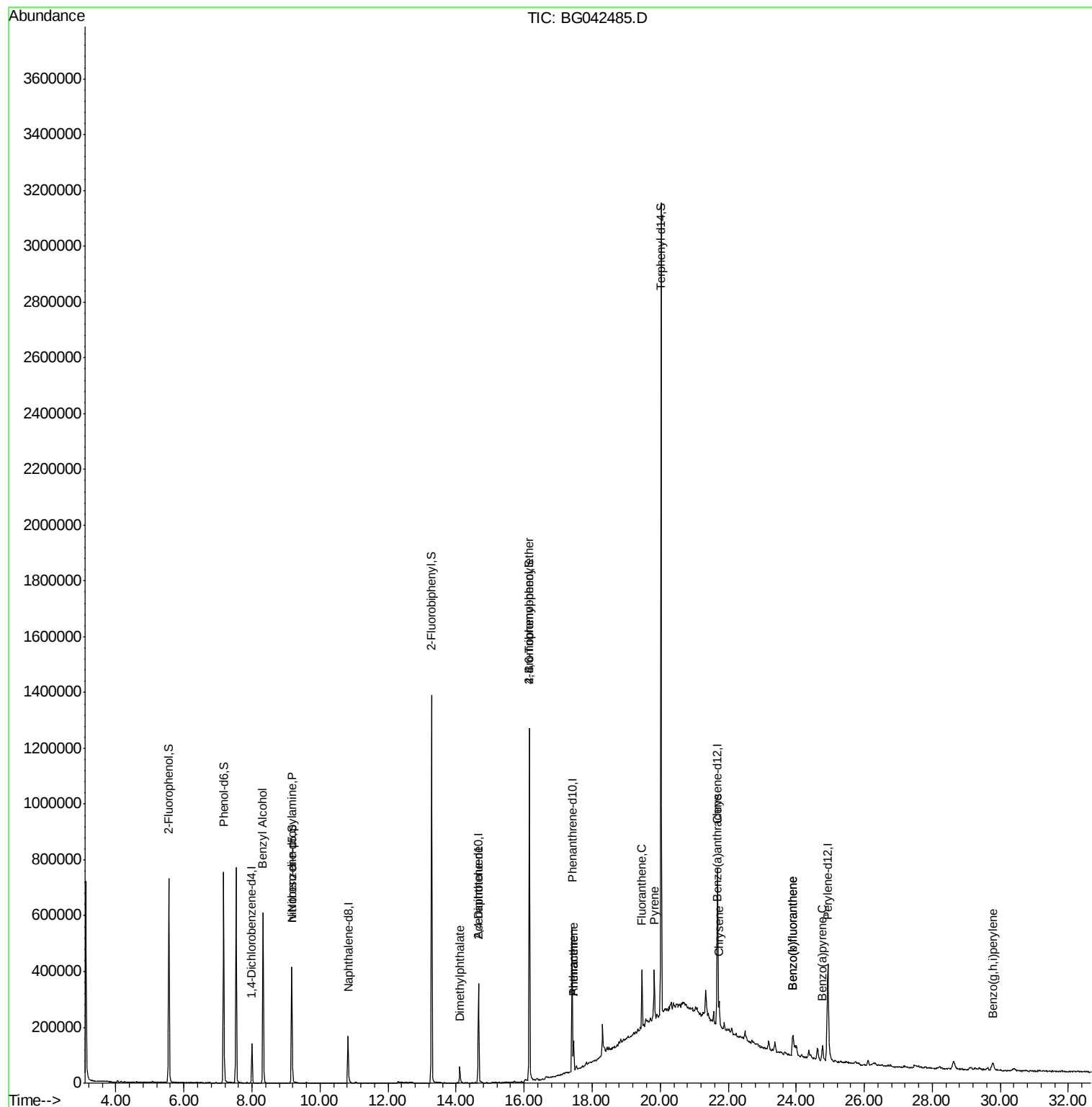
						Qvalue
15) Benzyl Alcohol	8.32	79	4551	2.012	ng	# 43
19) n-Nitroso-di-n-propylamine	9.17	70	36911	18.123	ng	# 73
50) Dimethylphthalate	14.11	163	57794	5.622	ng	99
57) 2,4-Dinitrotoluene	14.66	165	18472	5.414	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	21601	4.999	ng	# 1
71) Phenanthrene	17.45	178	74326	4.392	ng	96
72) Anthracene	17.45	178	74326	4.400	ng	97
75) Fluoranthene	19.46	202	147586	7.146	ng	99
78) Pyrene	19.83	202	122567	5.693	ng	99
81) Benzo(a)anthracene	21.67	228	58249	2.727	ng	95
83) Chrysene	21.73	228	69037	3.351	ng	97
88) Benzo(b)fluoranthene	23.90	252	103704	4.618	ng	# 97
89) Benzo(k)fluoranthene	23.90	252	103704	4.804	ng	# 97
90) Benzo(a)pyrene	24.77	252	64414	3.023	ng	# 97
92) Benzo(a,h,i)perylene	29.78	276	52922	2.452	ng	99

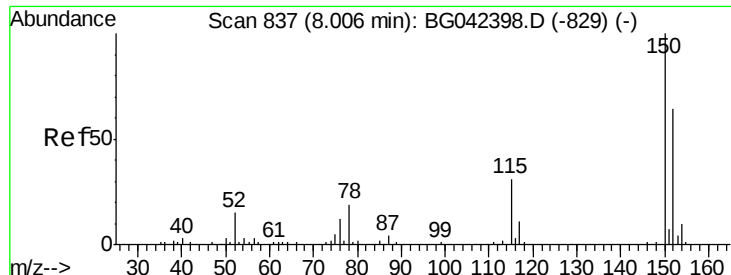
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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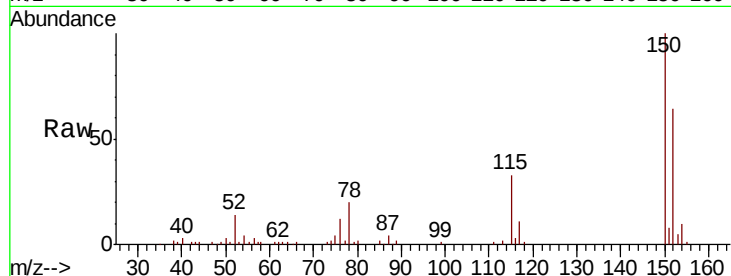


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.4	188.0
115	51.5	38.5	57.7

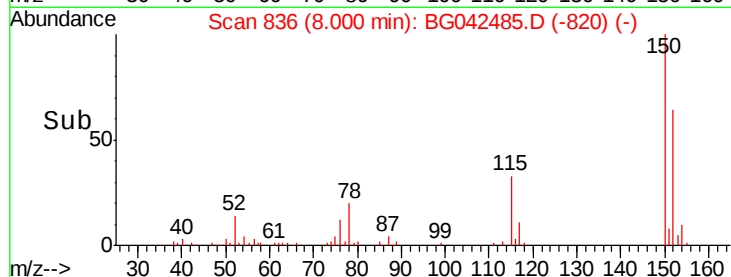
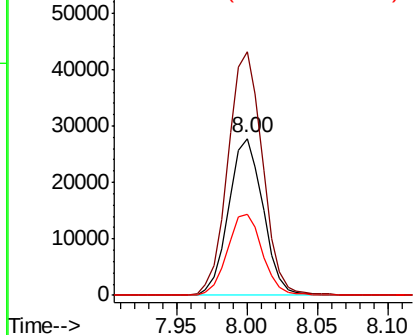


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

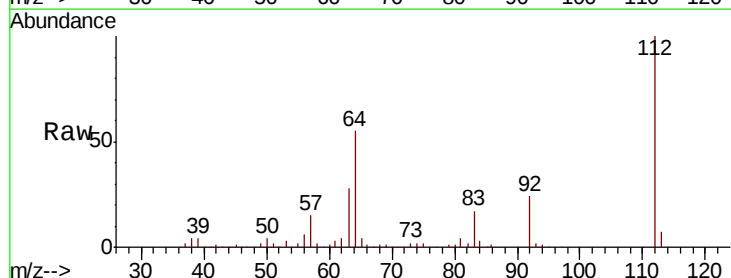
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 158.962 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.8	64.2
63	27.9	22.7	34.1

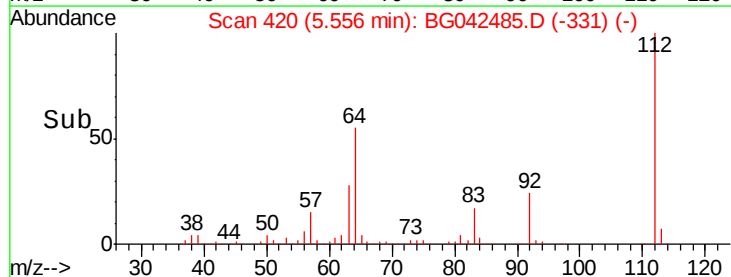
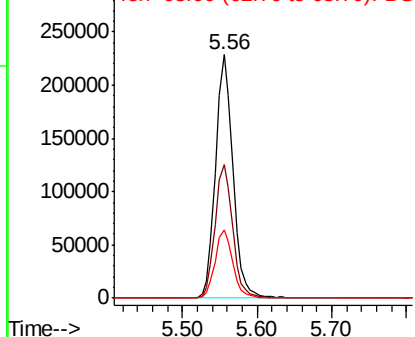


Abundance

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: 161.072 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

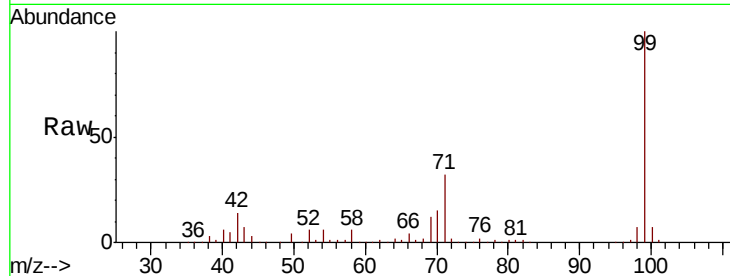
Tot Ion: 99 Resp: 506382

Ion Ratio Lower Upper

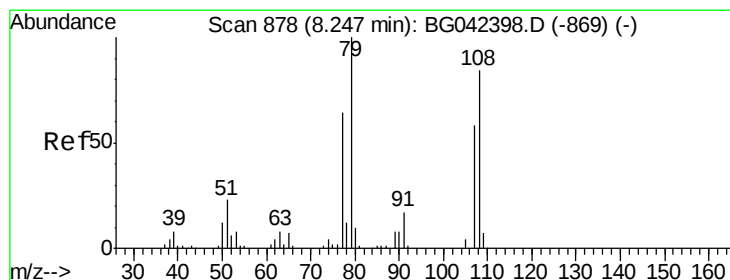
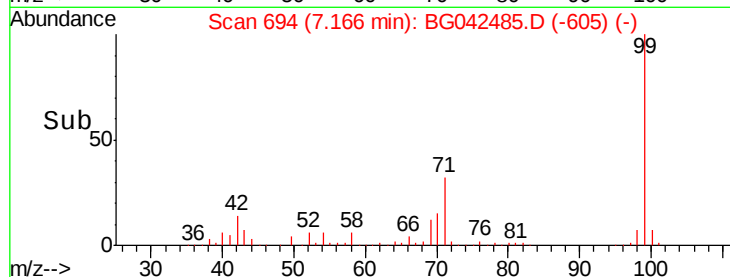
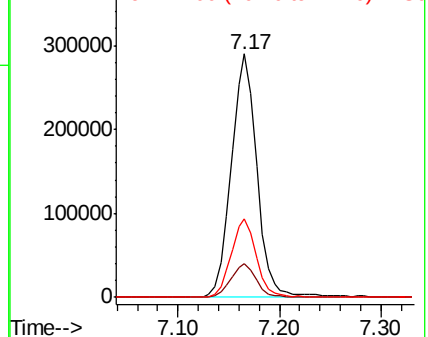
99 100

42 14.1 12.0 18.0

71 32.5 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



#15

Benzyl Alcohol

Concen: 2.012 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.08 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

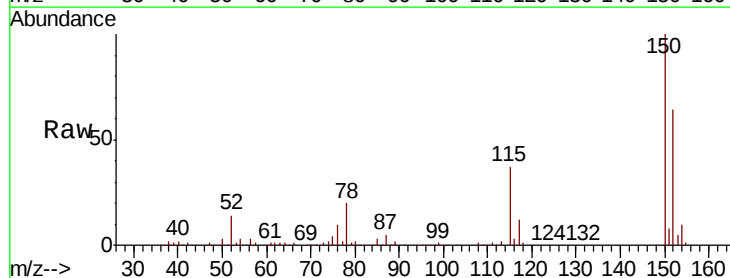
Tgt Ion: 79 Resp: 4551

Ion Ratio Lower Upper

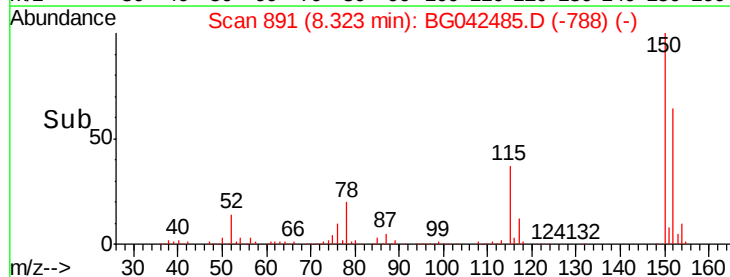
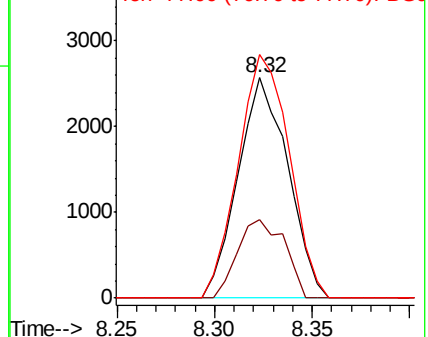
79 100

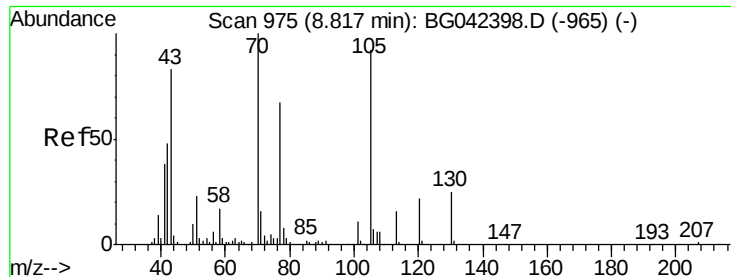
108 35.5 67.4 101.2#

77 110.6 50.8 76.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

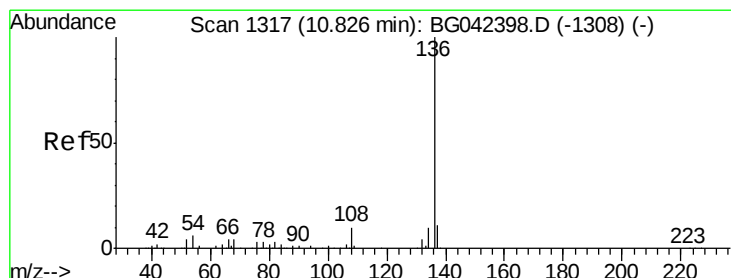
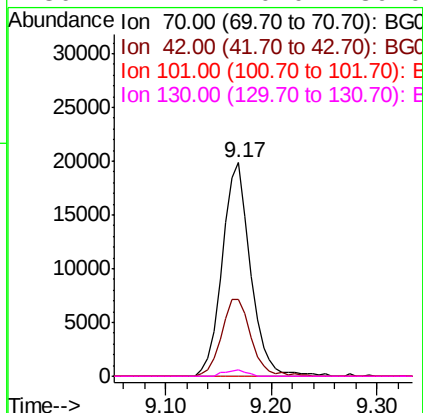
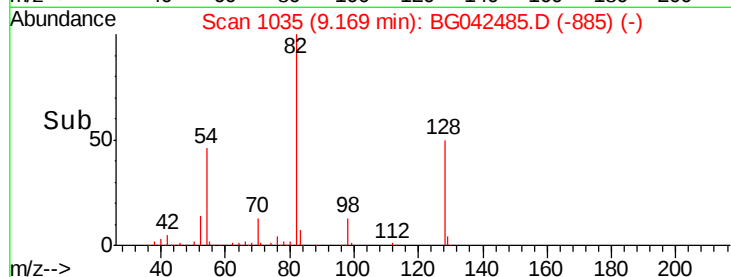
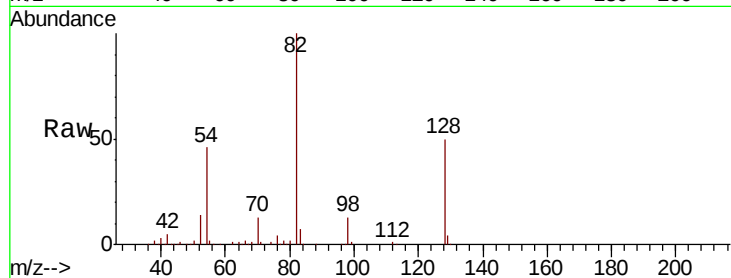




#19
n-Nitroso-di-n-propylamine
Concen: 18.123 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

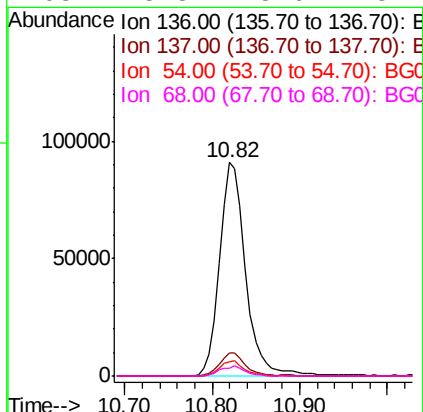
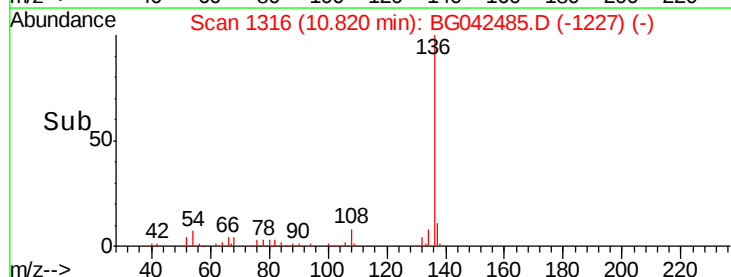
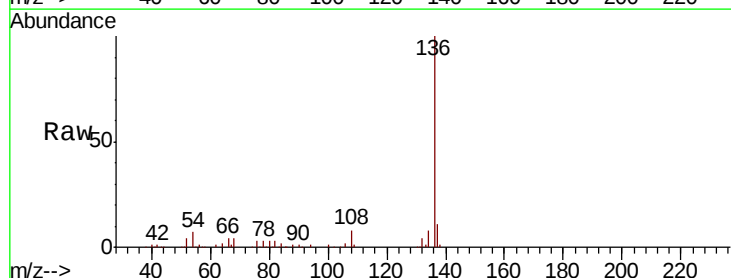
Instrument :
BNA_G
ClientSampleId :

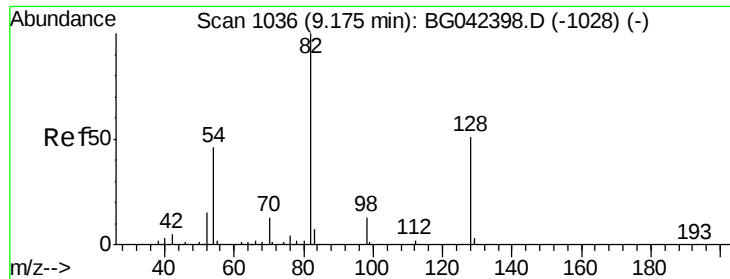
Tot Ion: 70 Resp: 36911
Ion Ratio Lower Upper
70 100
42 36.3 38.8 58.2#
101 0.0 9.0 13.6#
130 2.7 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion: 136 Resp: 187721
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.8 4.9 7.3
68 3.8 3.6 5.4

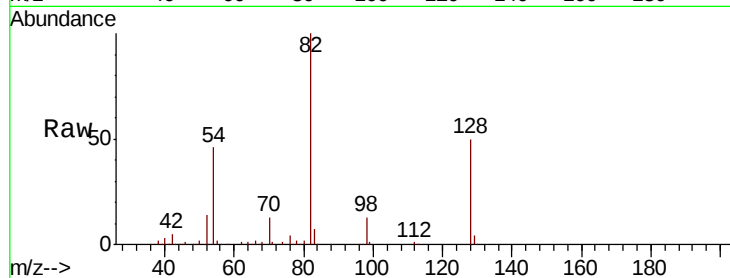




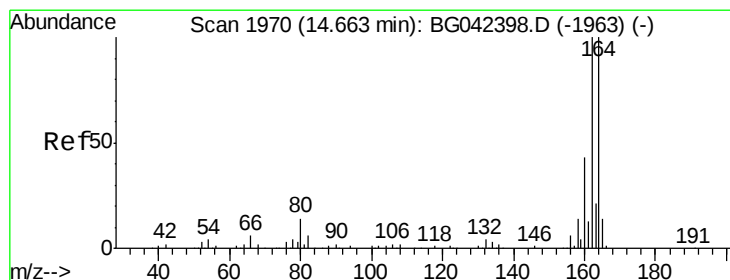
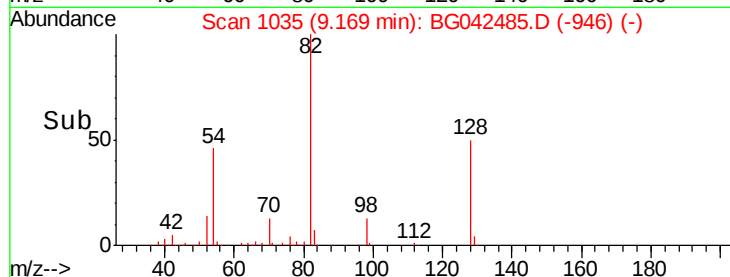
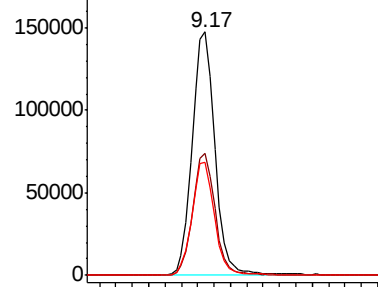
#23
Nitrobenzene-d5
Concen: 105.820 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	287459
Ion Ratio	Lower	Upper	
82	100		
128	50.0	40.7	61.1
54	46.2	36.3	54.5

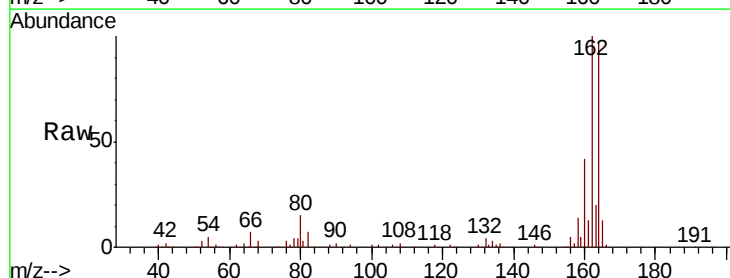


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

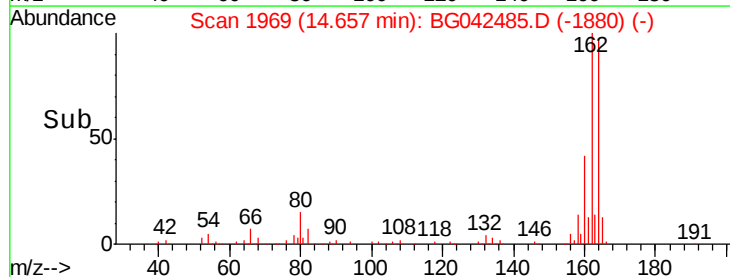
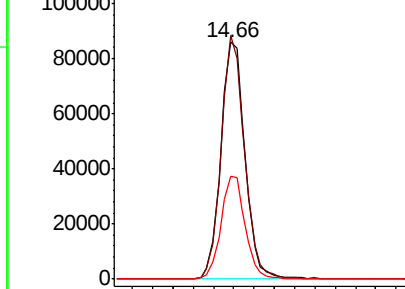


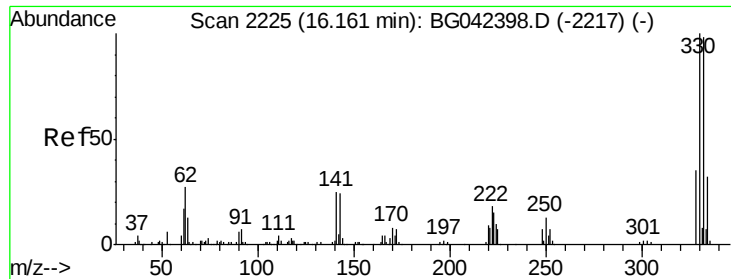
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion	164	Resp	142474
Ion Ratio	Lower	Upper	
164	100		
162	102.8	79.9	119.9
160	43.4	34.3	51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

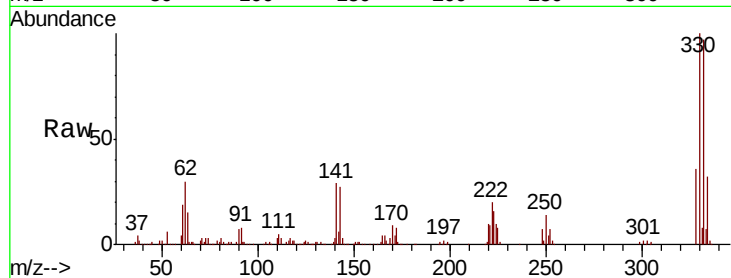




#42
 2,4,6-Tribromophenol
 Concen: 153.865 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042485.D
 Acq: 25 Aug 2019 19:37

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.0
141	29.6	21.4	32.0

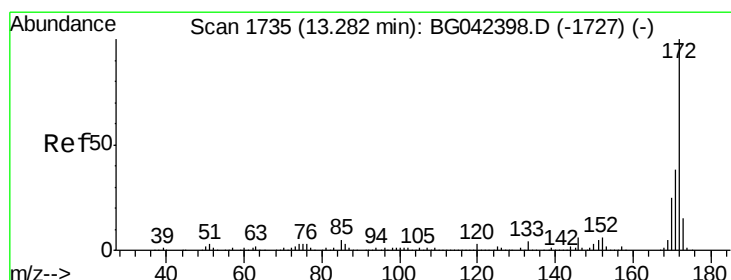
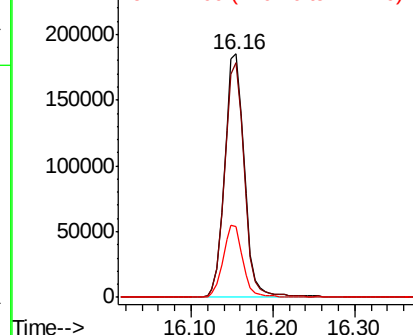
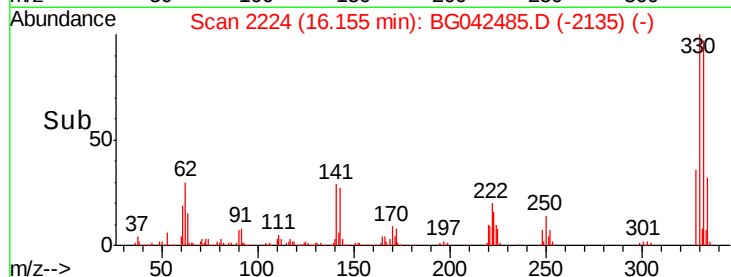


Abundance

Ion 329.80 (329.50 to 330.50): E

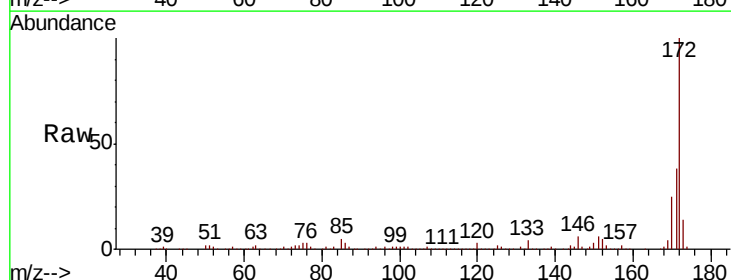
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 100.544 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042485.D
 Acq: 25 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.7
170	24.8	20.2	30.2

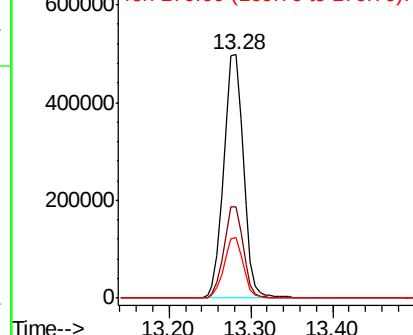
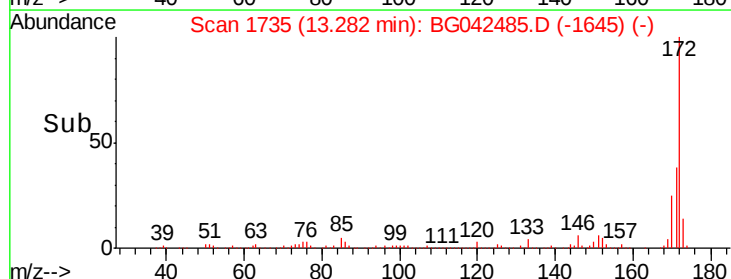


Abundance

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

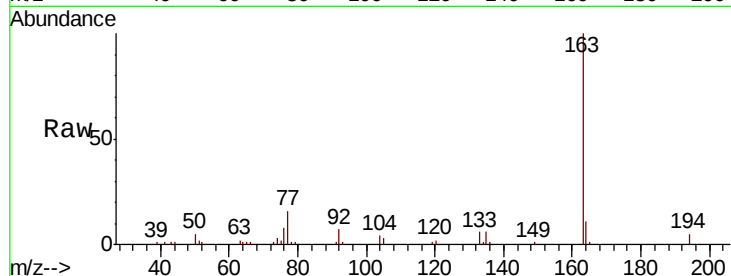




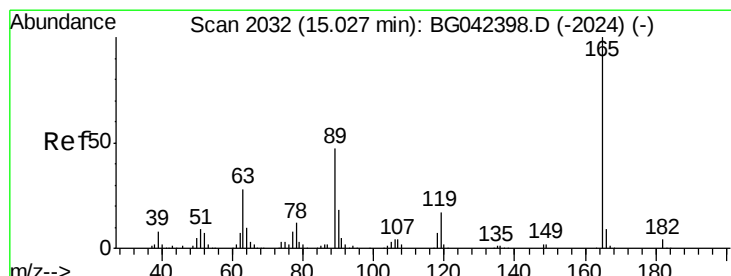
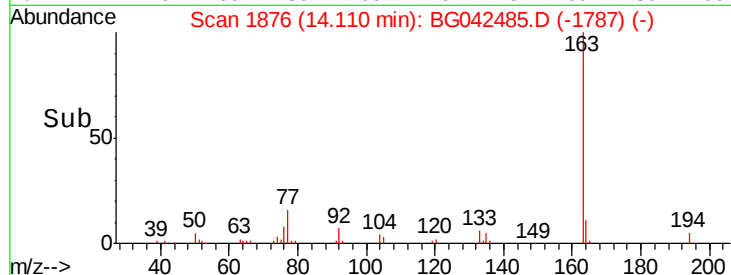
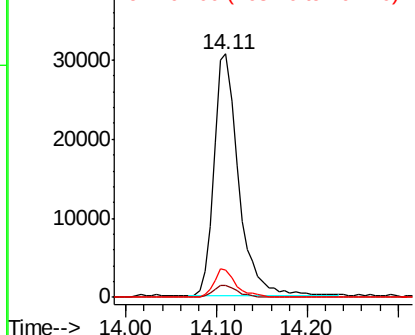
#50
Dimethylphthalate
Concen: 5.622 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 57794
Ion Ratio Lower Upper
163 100
194 5.0 4.2 6.2
164 11.2 8.8 13.2

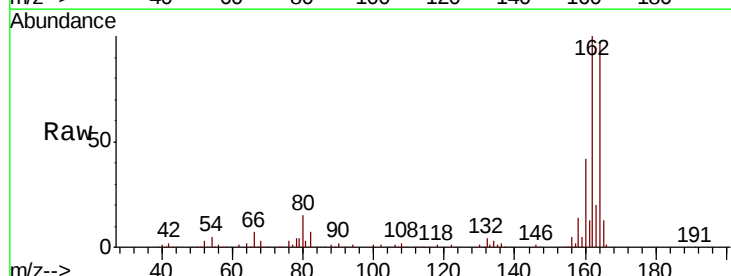


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

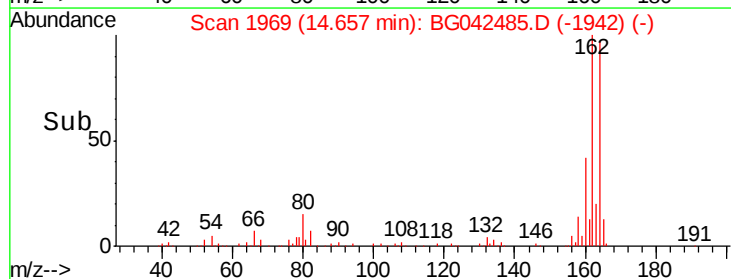
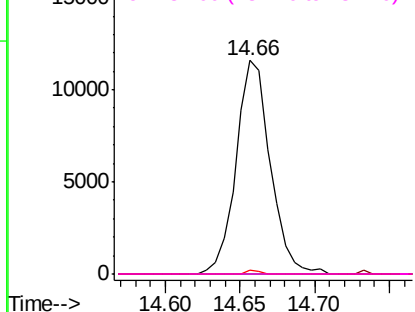


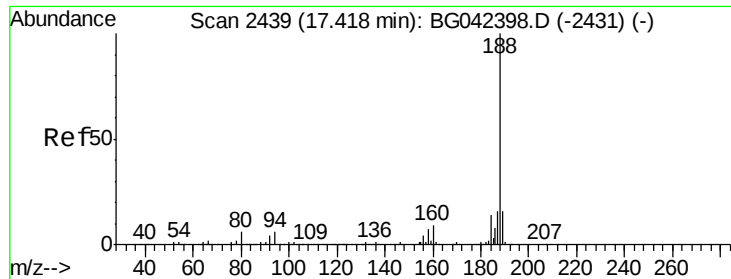
#57
2,4-Dinitrotoluene
Concen: 5.414 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:165 Resp: 18472
Ion Ratio Lower Upper
165 100
63 0.0 22.5 33.7#
89 1.6 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# 2438

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

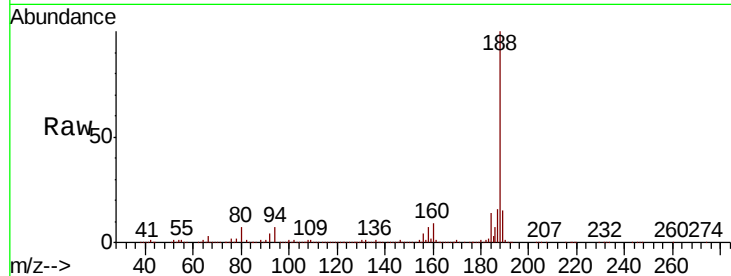
Tot Ion:188 Resp: 340671

Ion Ratio Lower Upper

188 100

94 6.6 4.5 6.7

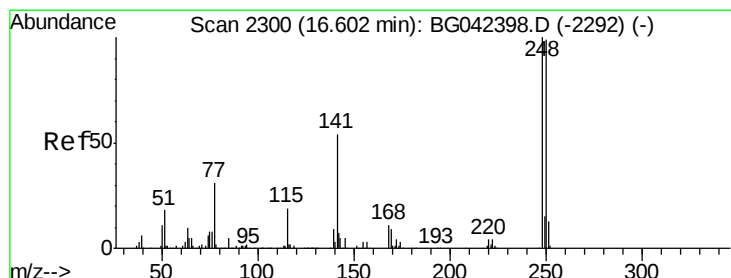
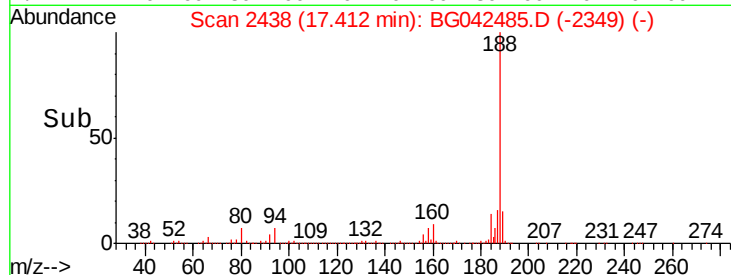
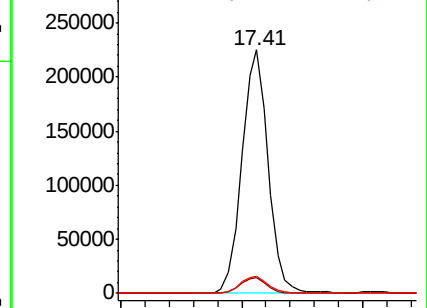
80 6.8 4.9 7.3



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: 4.999 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

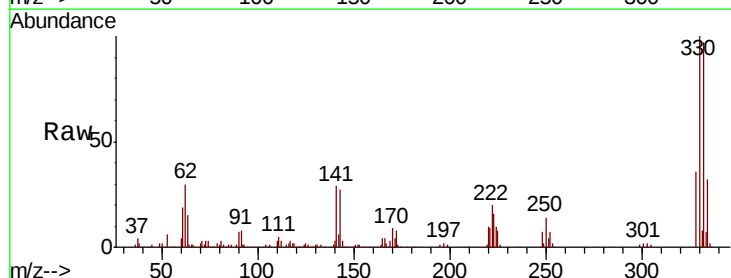
Tgt Ion:248 Resp: 21601

Ion Ratio Lower Upper

248 100

250 202.0 78.9 118.3#

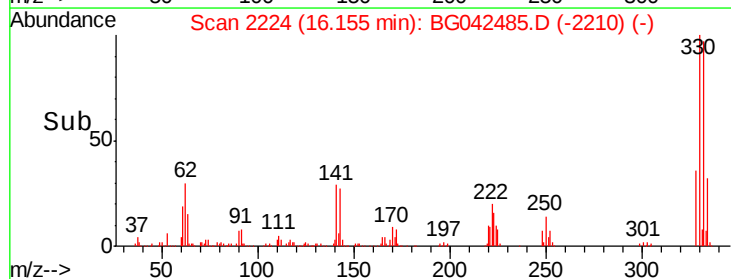
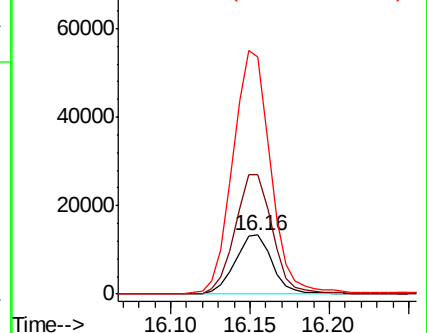
141 402.0 43.3 64.9#

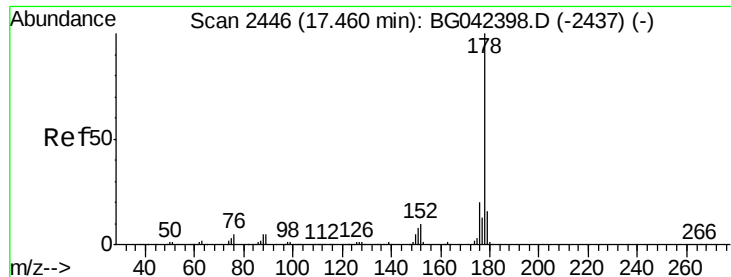


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

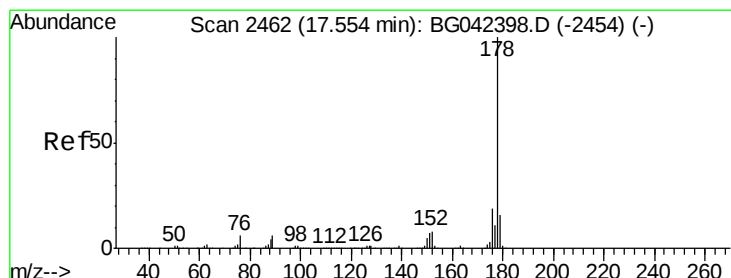
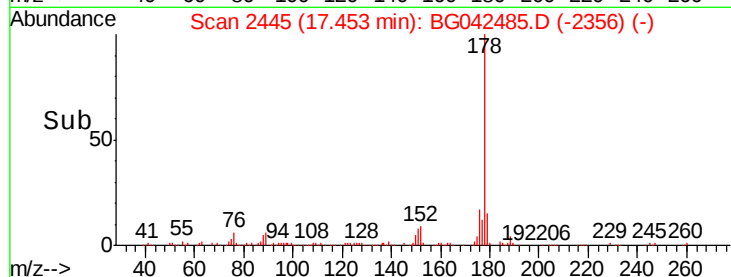
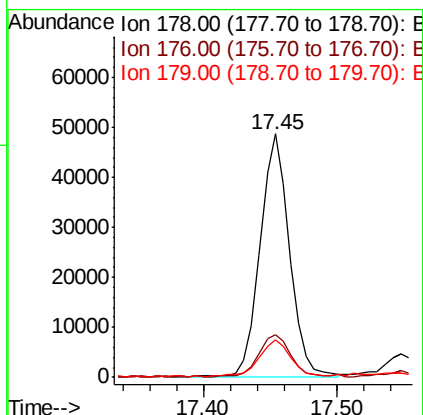
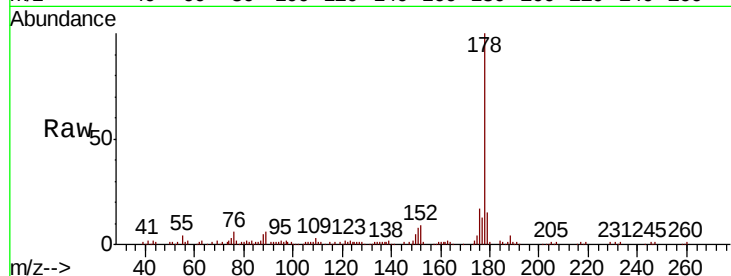




#71
Phenanthrene
Concen: 4.392 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

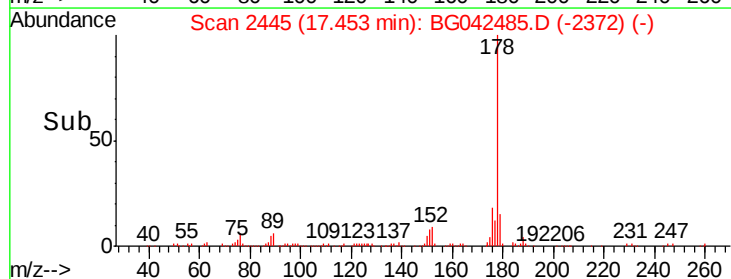
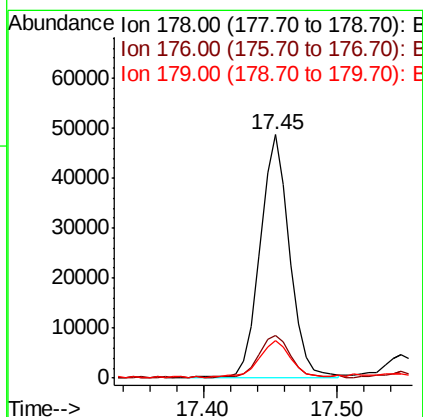
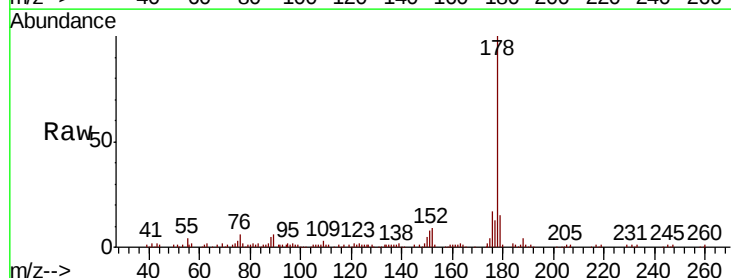
Instrument :
BNA_G
ClientSampleId :

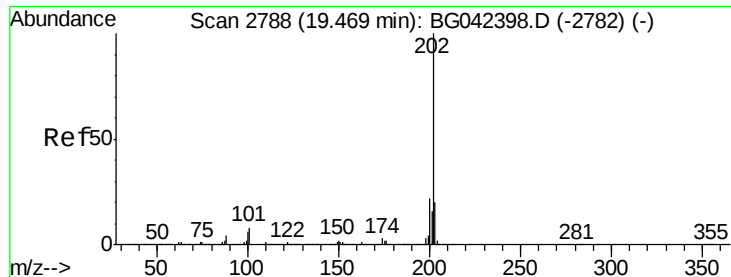
Tot Ion:178 Resp: 74326
Ion Ratio Lower Upper
178 100
176 17.5 15.9 23.9
179 15.2 12.7 19.1



#72
Anthracene
Concen: 4.400 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.10 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:178 Resp: 74326
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 15.2 12.9 19.3





#75

Fluoranthene

Concen: 7.146 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

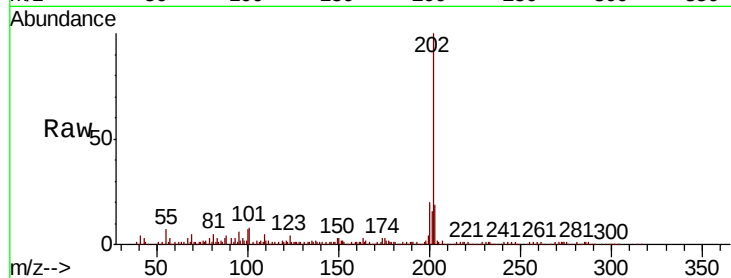
Tot Ion:202 Resp: 147586

Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.3

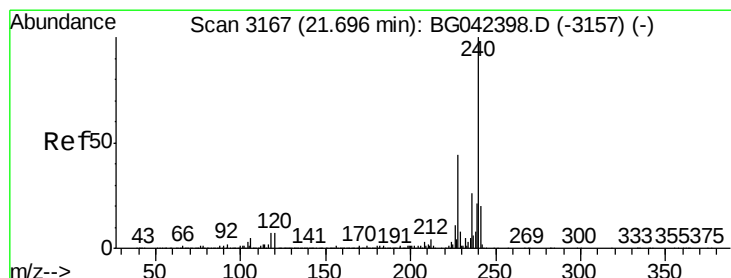
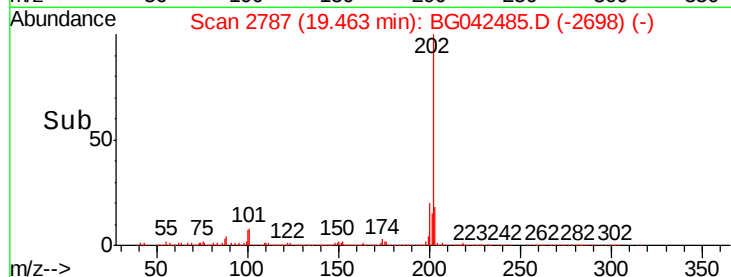
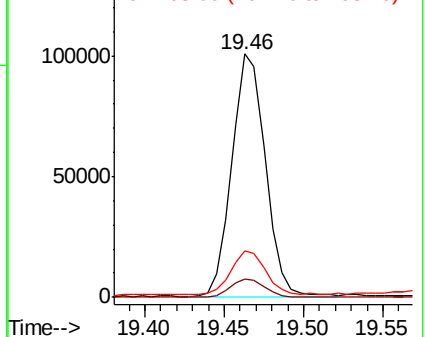
203 19.0 0.0 39.6



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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

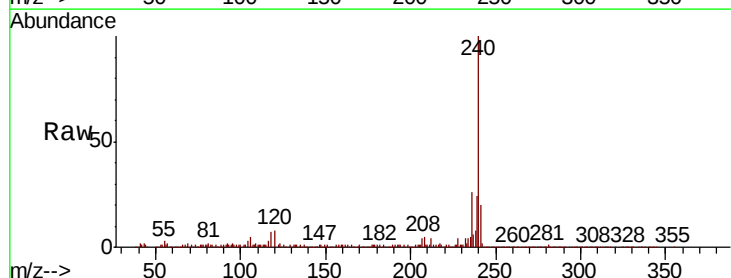
Tgt Ion:240 Resp: 351149

Ion Ratio Lower Upper

240 100

120 7.9 5.7 8.5

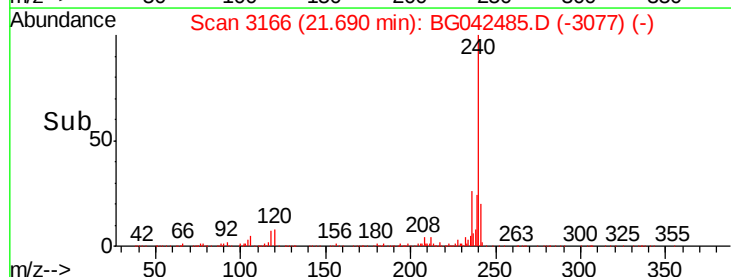
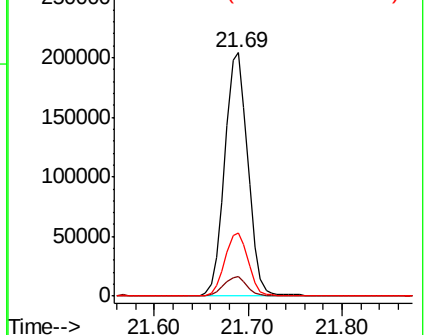
236 25.7 21.0 31.4

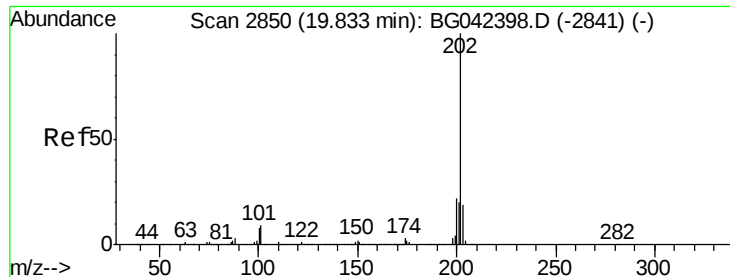


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.693 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042485.D

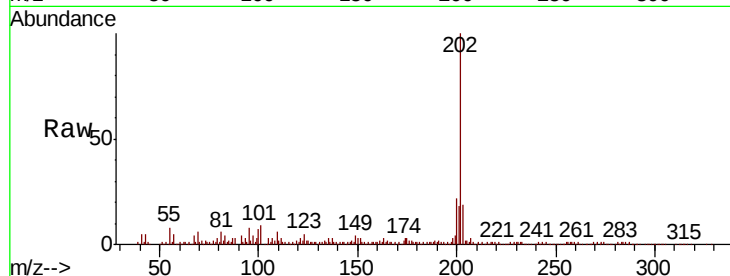
Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	122567
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	19.0	15.5	23.3

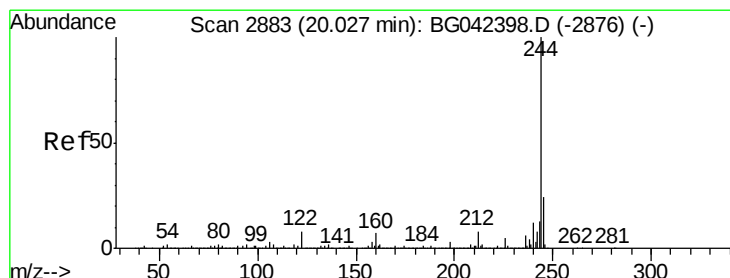
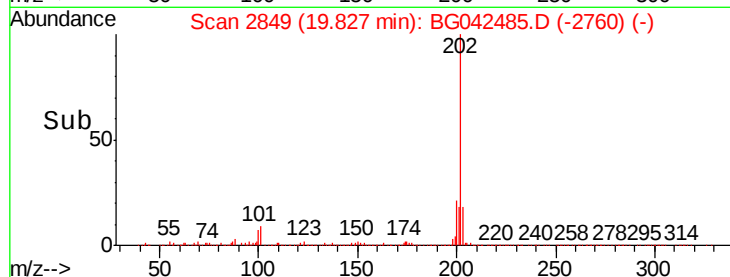
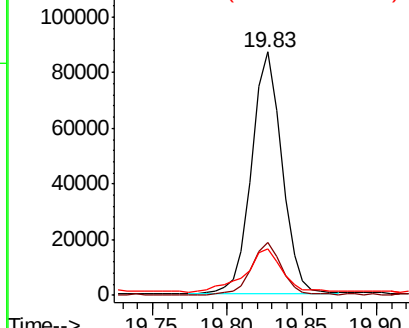


Abundance

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: 88.121 ng

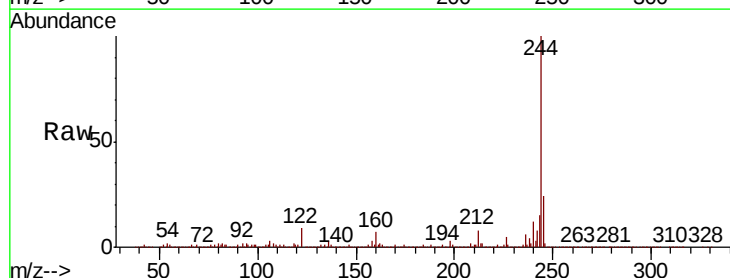
RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Tgt Ion:	244	Resp:	1431298
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	9.3	6.7	10.1

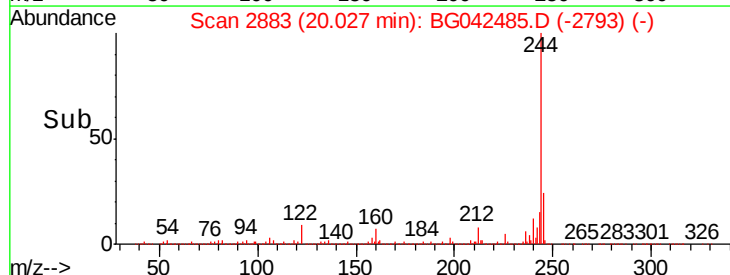
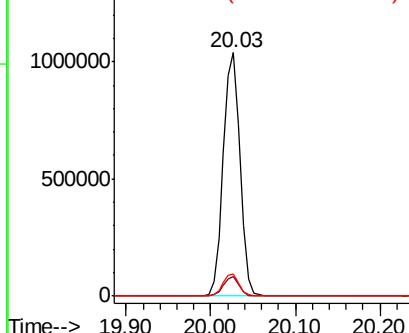


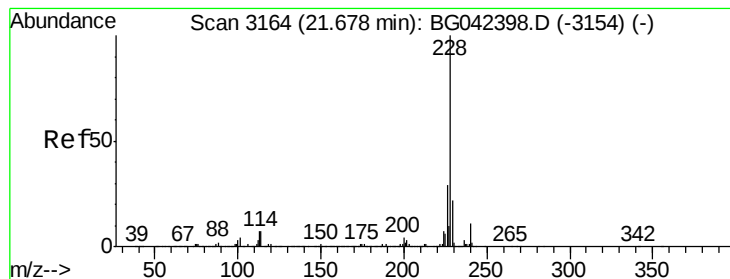
Abundance

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: 2.727 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

Instrument :

BNA_G

ClientSampled :

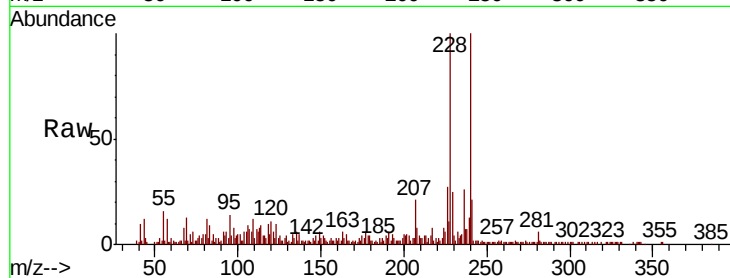
Tot Ion:228 Resp: 58249

Ion Ratio Lower Upper

228 100

226 26.6 23.4 35.2

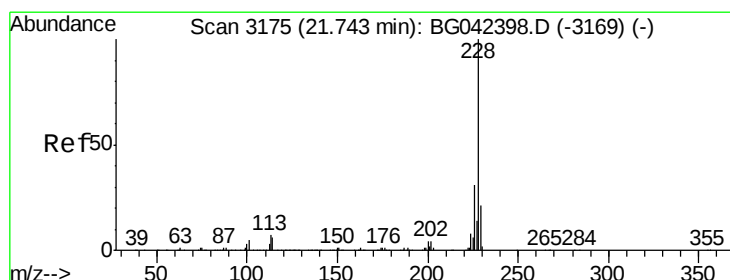
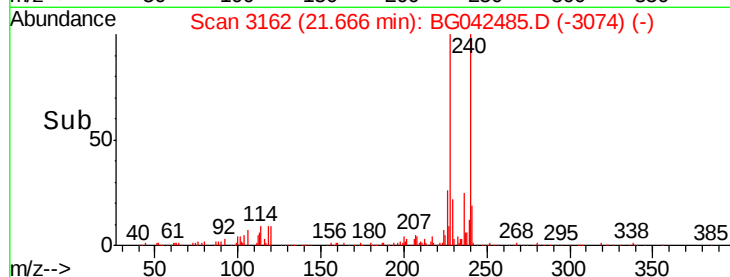
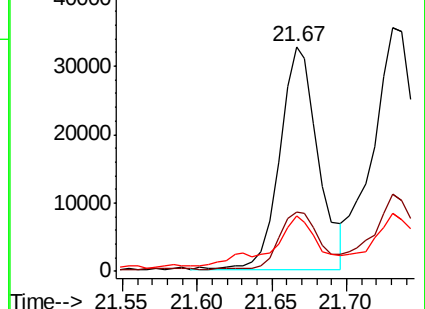
229 24.5 17.4 26.2



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: 3.351 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042485.D

Acq: 25 Aug 2019 19:37

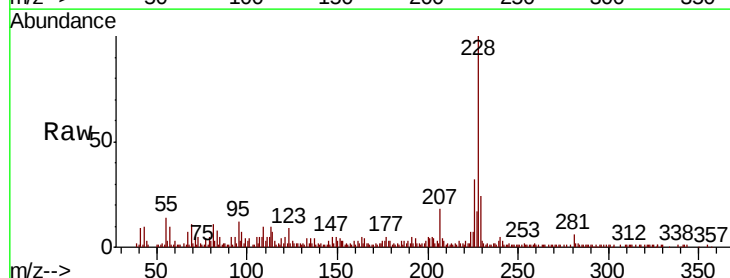
Tgt Ion:228 Resp: 69037

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

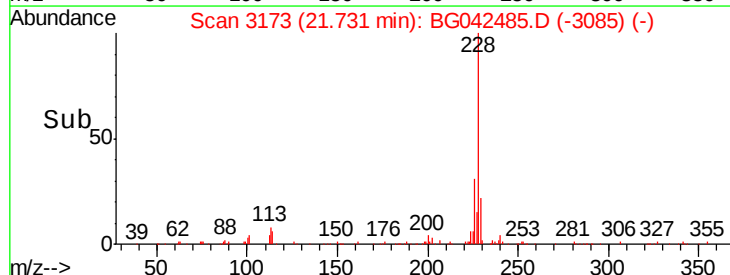
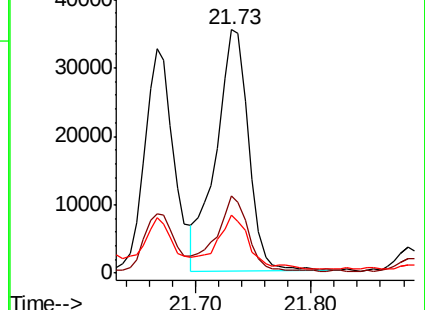
229 23.7 16.9 25.3

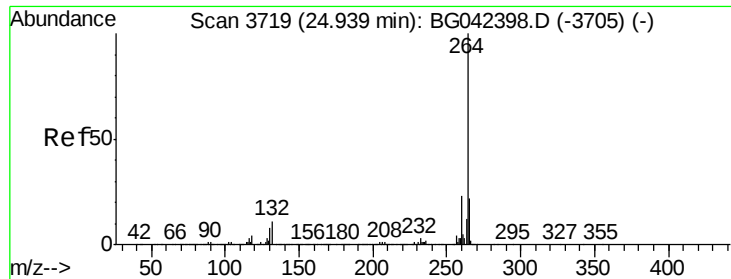


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

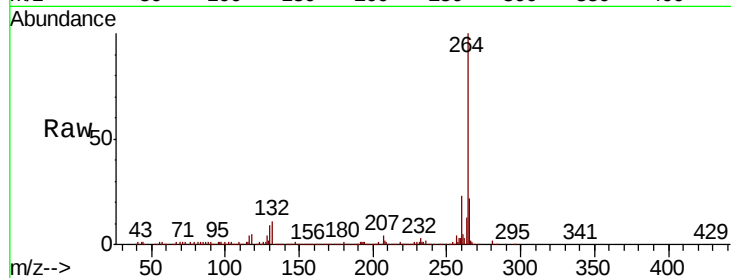




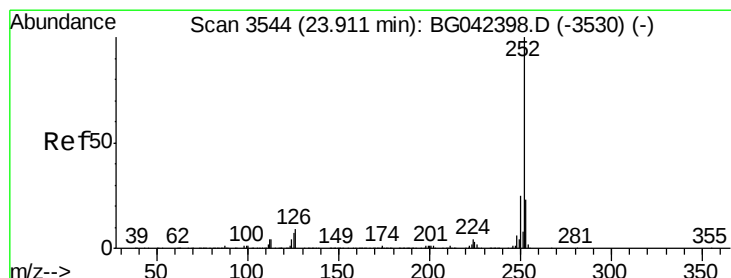
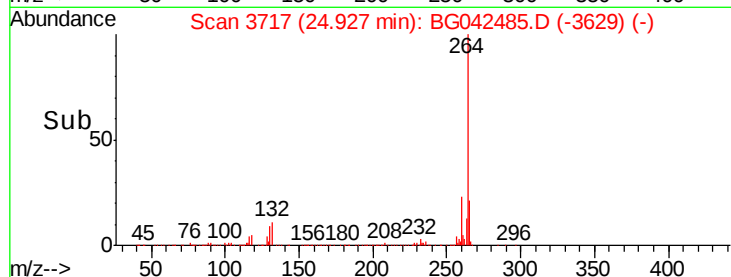
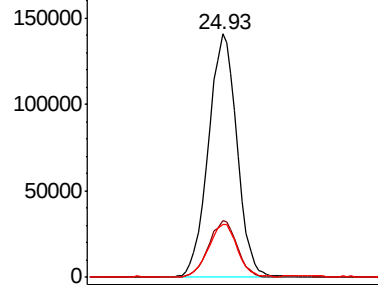
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.6	26.4

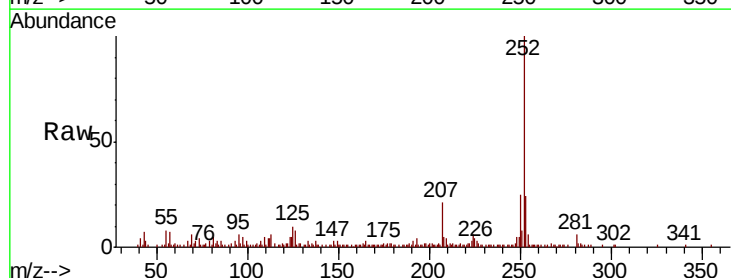


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

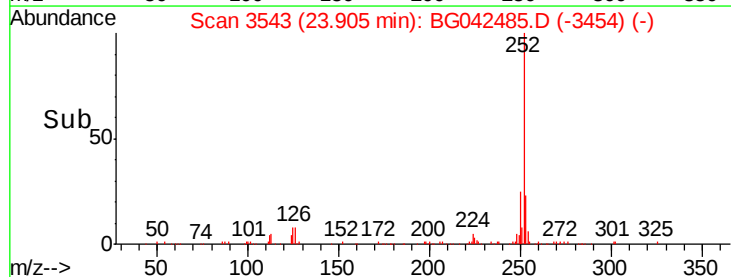
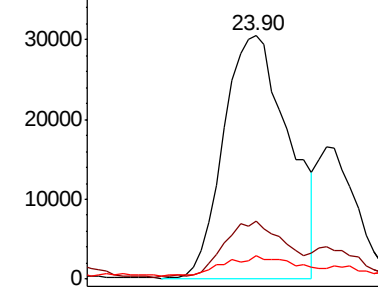


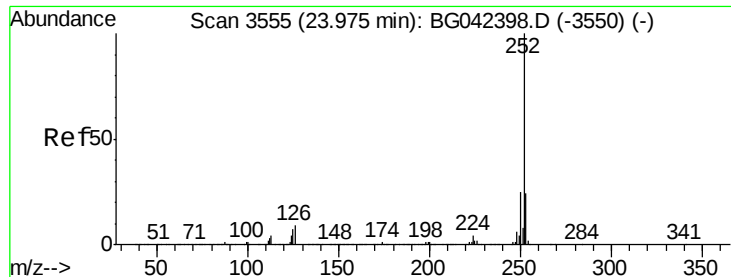
#88
Benzo(b)fluoranthene
Concen: 4.618 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	9.9	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

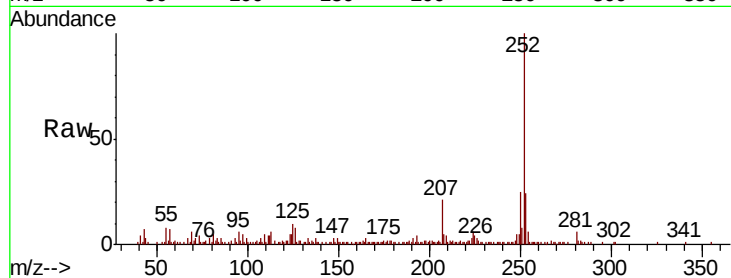




#89
Benzo(k)fluoranthene
Concen: 4.804 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.07 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	9.9	5.8	8.6

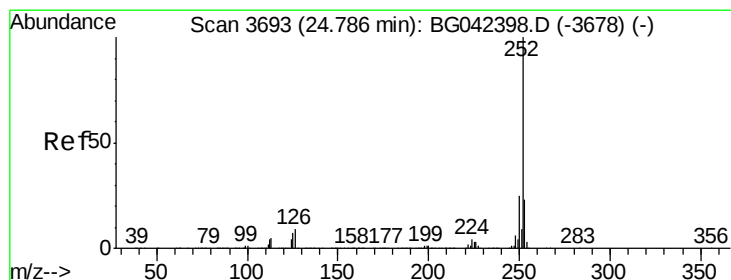
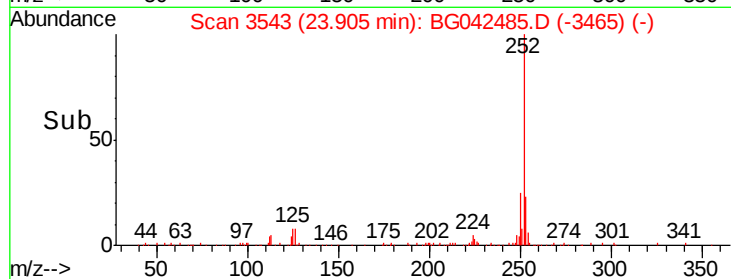
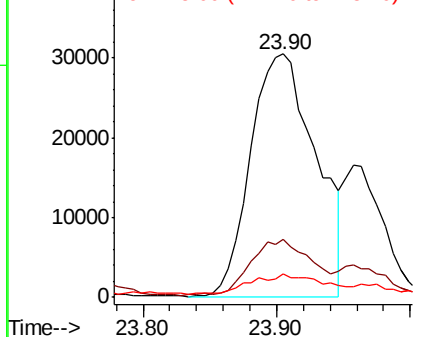


Abundance

Ion 252.00 (251.70 to 252.70): E

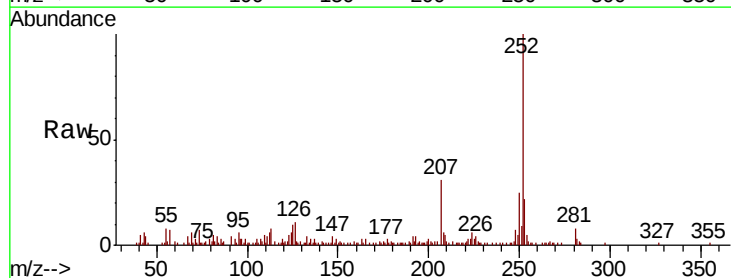
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.023 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	9.8	6.0	9.0

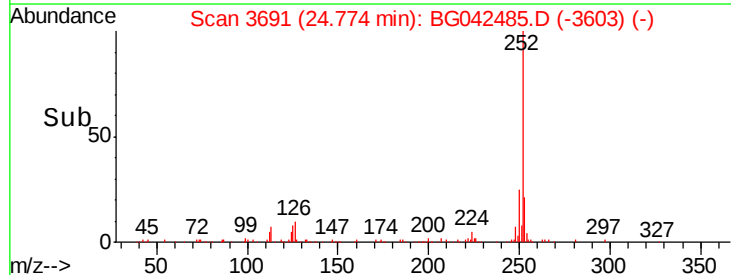
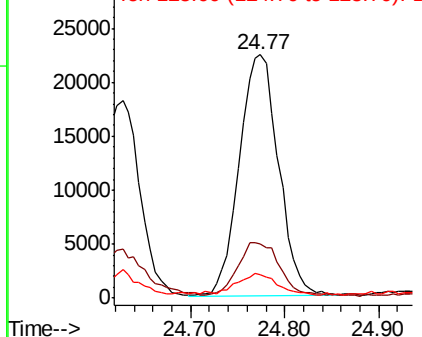


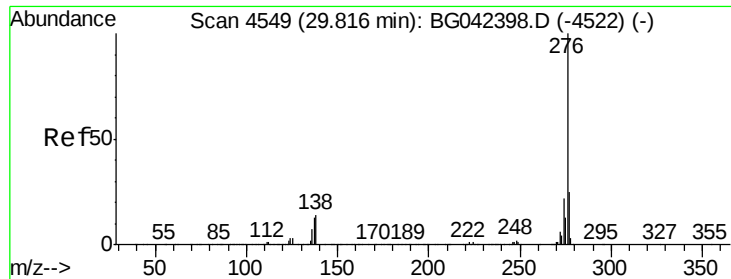
Abundance

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: 2.452 ng
 RT: 29.78 min Scan# 4543
 Delta R.T. -0.04 min
 Lab File: BG042485.D
 Acq: 25 Aug 2019 19:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	15.7	11.4	17.0

