

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\
 Data File : BG046547.D
 Acq On : 4 Sep 2020 19:20
 Operator : CG/JU
 Sample : L3871-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220

Quant Time: Sep 05 02:47:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

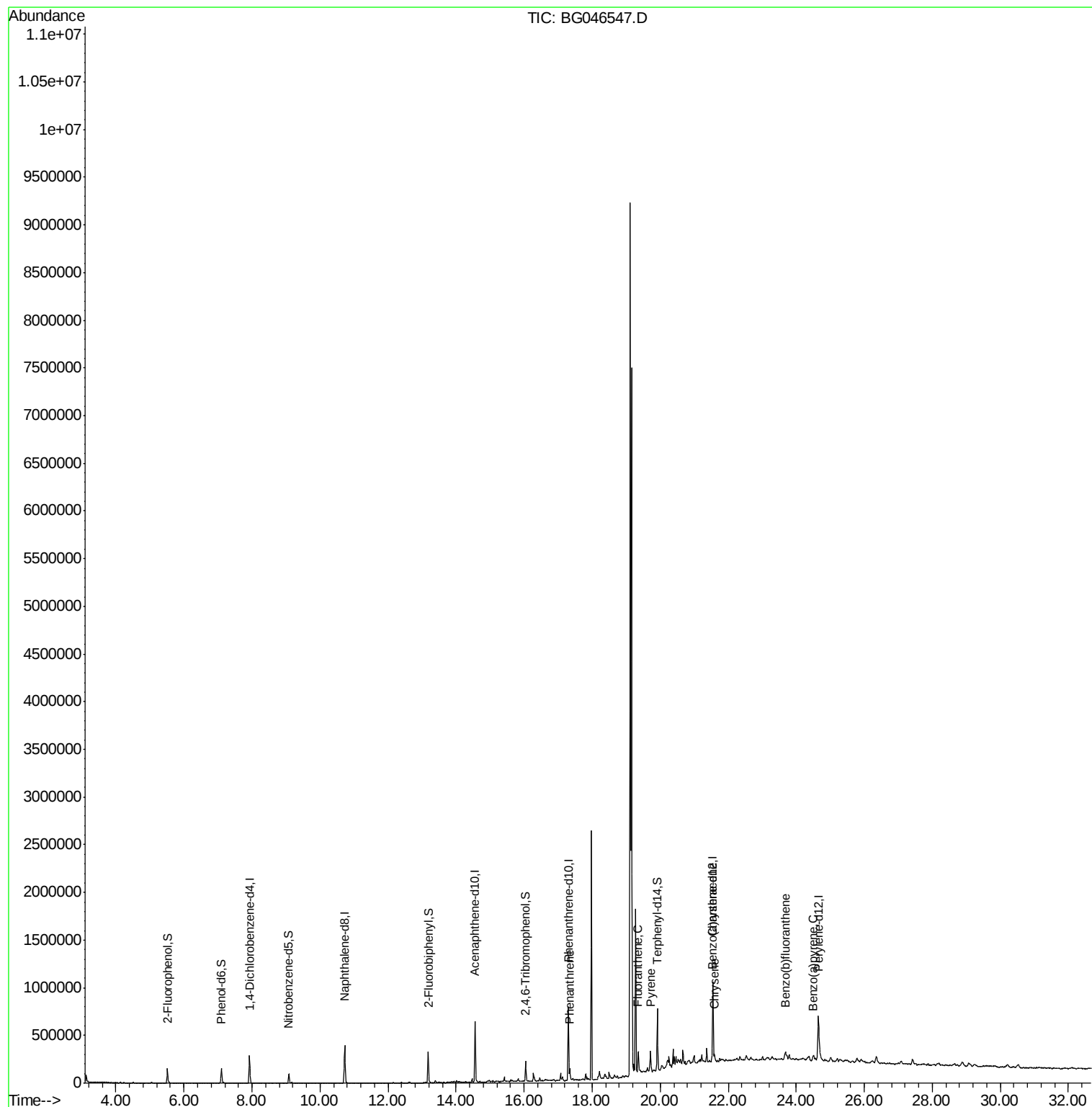
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	90263	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	364972	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	240070	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	509578	20.00	ng	0.00
76) Chrysene-d12	21.55	240	506918	20.00	ng	0.00
86) Perylene-d12	24.65	264	507302	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	77862	15.28	ng	0.00
7) Phenol-d6	7.10	99	102982	14.25	ng	0.00
23) Nitrobenzene-d5	9.08	82	68732	10.76	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	43566	13.39	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	195487	12.43	ng	0.00
79) Terphenyl-d14	19.92	244	278433	11.69	ng	0.00
Target Compounds						
71) Phenanthrene	17.34	178	75613	2.927	ng	97
75) Fluoranthene	19.35	202	124615	3.749	ng	97
78) Pyrene	19.72	202	130798	4.052	ng	96
81) Benzo(a)anthracene	21.53	228	63640	2.014	ng	97
83) Chrysene	21.59	228	71578	2.355	ng	97
88) Benzo(b)fluoranthene	23.68	252	83201	2.627	ng	# 90
90) Benzo(a)pyrene	24.50	252	61972	2.096	ng	# 93

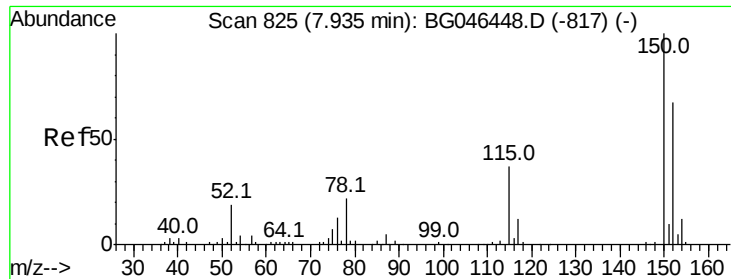
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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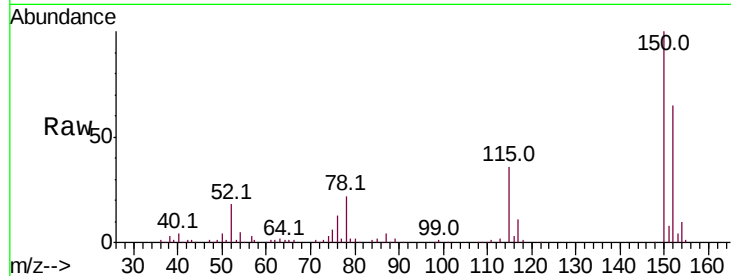


#1

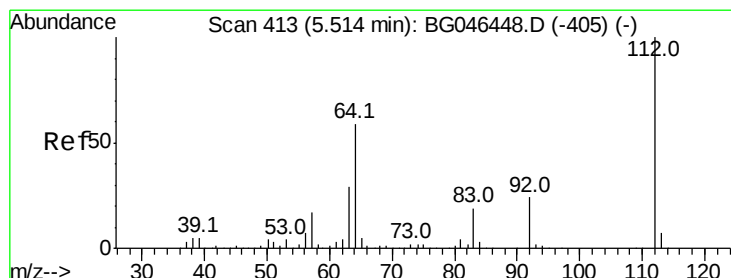
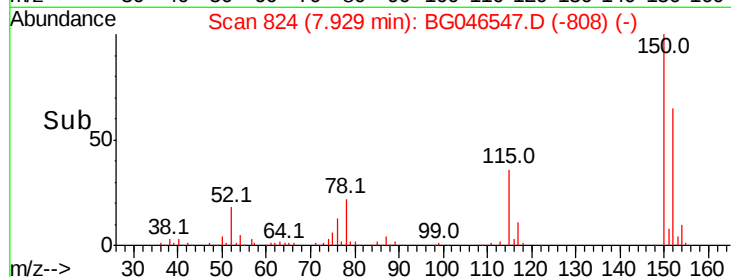
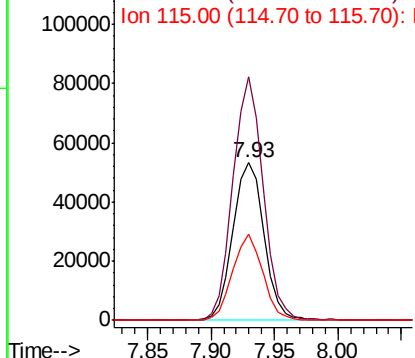
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Instrument :
BNA_G
ClientSampleId :
TR-05-090220

Tot Ion:152 Resp: 90263
Ion Ratio Lower Upper
152 100
150 154.5 119.5 179.3
115 55.0 44.3 66.5



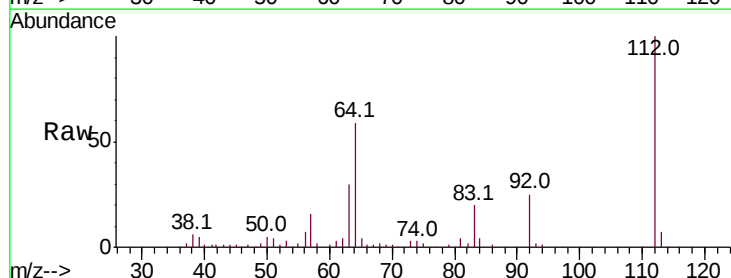
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



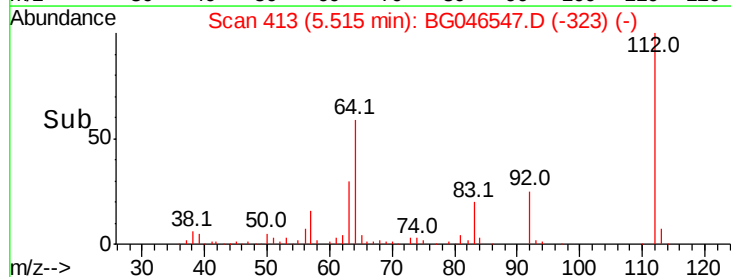
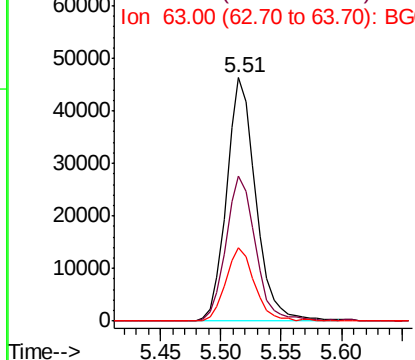
#5

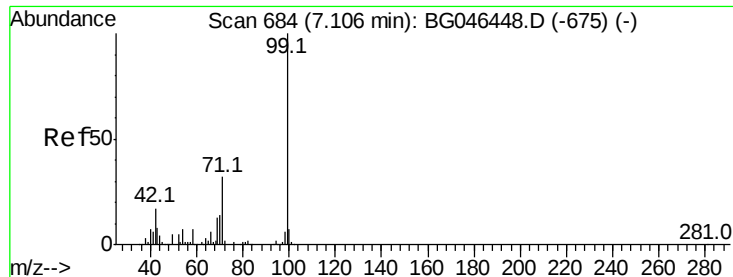
2-Fluorophenol
Concen: 15.278 ng
RT: 5.51 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Tgt Ion:112 Resp: 77862
Ion Ratio Lower Upper
112 100
64 59.3 47.0 70.6
63 30.3 23.5 35.3



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: 14.255 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

Instrument :

BNA_G

ClientSampleId :

TR-05-090220

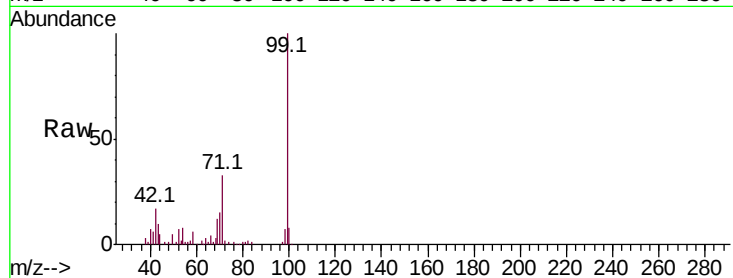
Tot Ion: 99 Resp: 102982

Ion Ratio Lower Upper

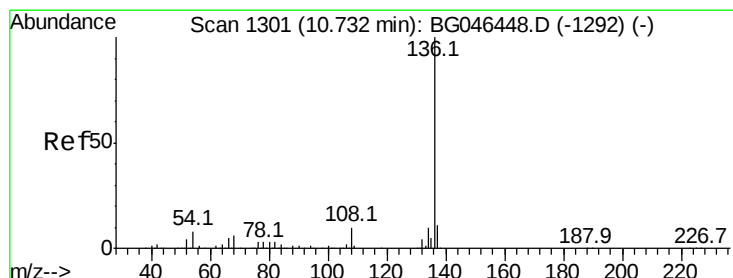
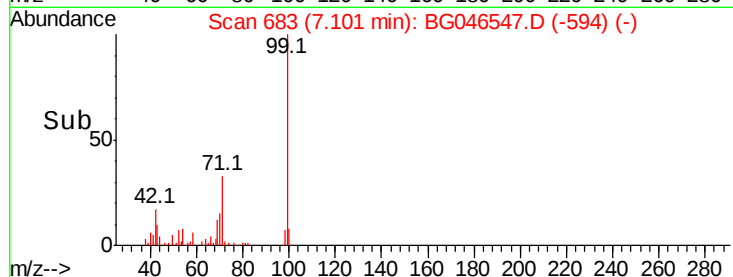
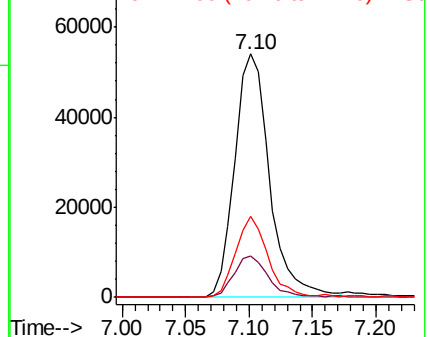
99 100

42 17.1 13.3 19.9

71 33.3 25.3 37.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

Tgt Ion: 136 Resp: 364972

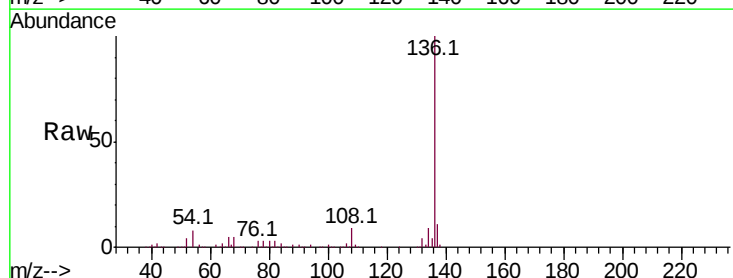
Ion Ratio Lower Upper

136 100

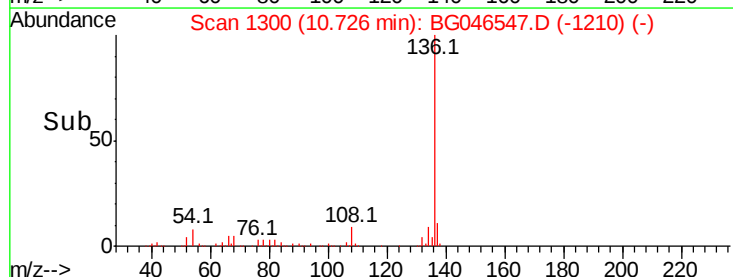
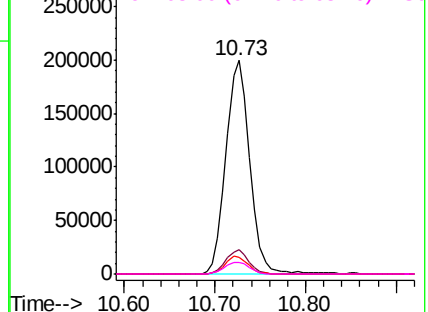
137 11.3 8.8 13.2

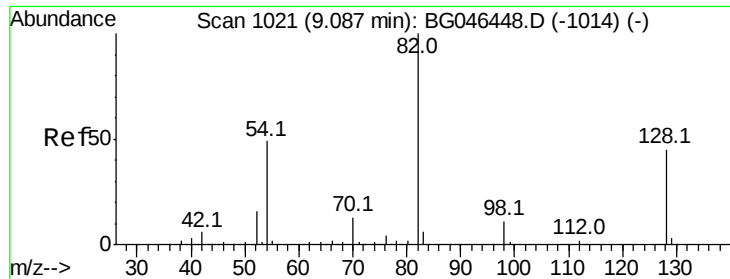
54 7.7 6.1 9.1

68 5.5 4.8 7.2



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

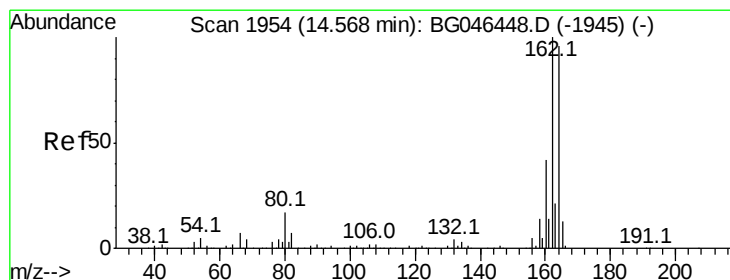
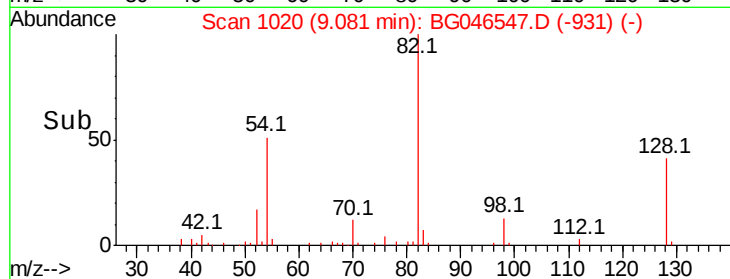
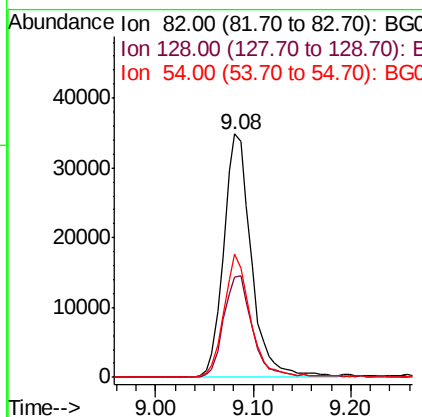
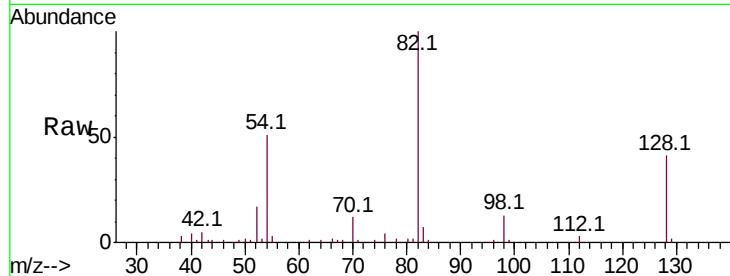




#23
 Nitrobenzene-d5
 Concen: 10.764 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BG046547.D
 Acq: 4 Sep 2020 19:20

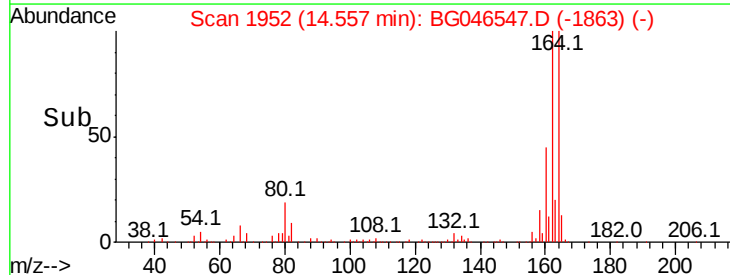
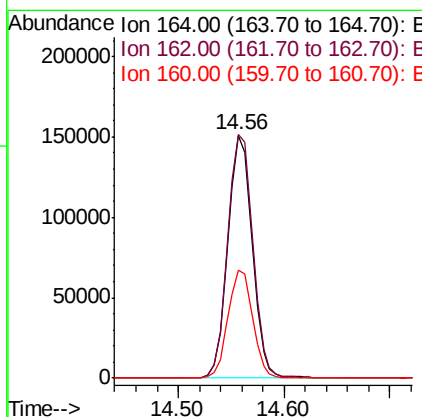
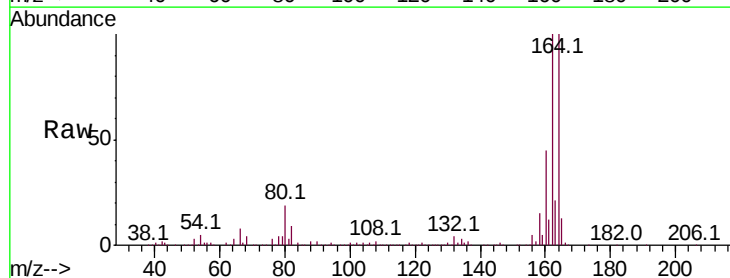
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220

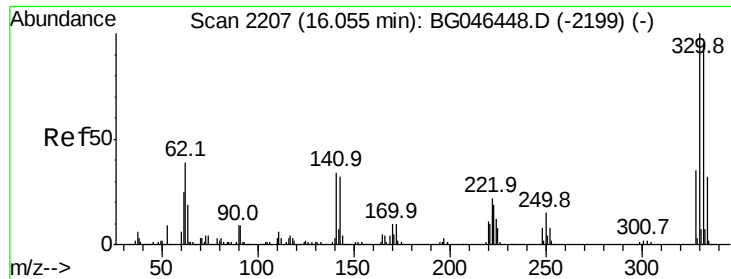
Tot Ion: 82 Resp: 68732
 Ion Ratio Lower Upper
 82 100
 128 41.2 35.7 53.5
 54 50.7 39.4 59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: BG046547.D
 Acq: 4 Sep 2020 19:20

Tgt Ion:164 Resp: 240070
 Ion Ratio Lower Upper
 164 100
 162 100.4 83.3 124.9
 160 44.7 35.0 52.6

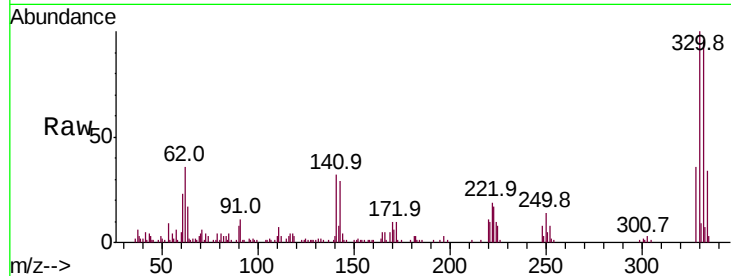




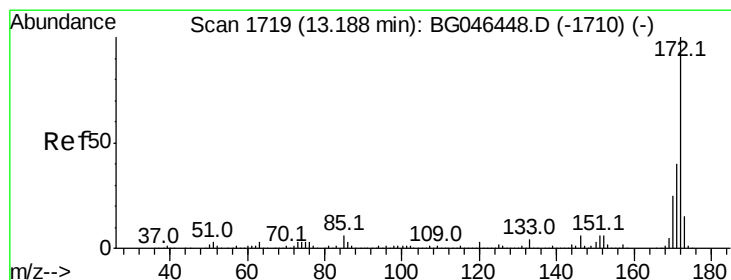
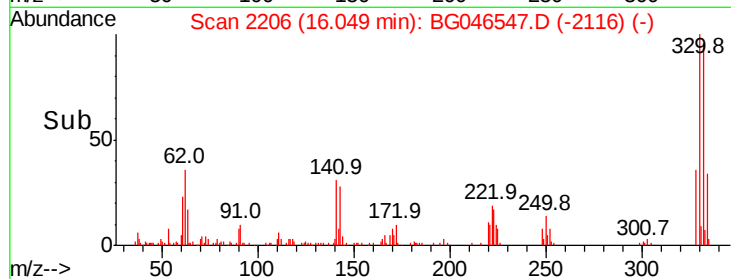
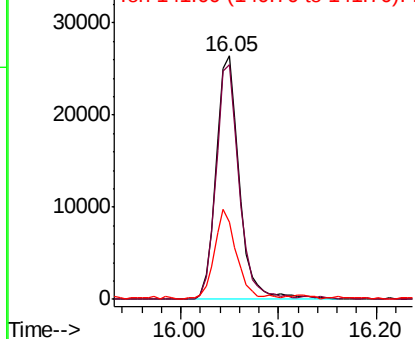
#42
 2,4,6-Tribromophenol
 Concen: 13.393 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046547.D
 Acq: 4 Sep 2020 19:20

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-090220

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.1	114.1
141	35.9	26.1	39.1

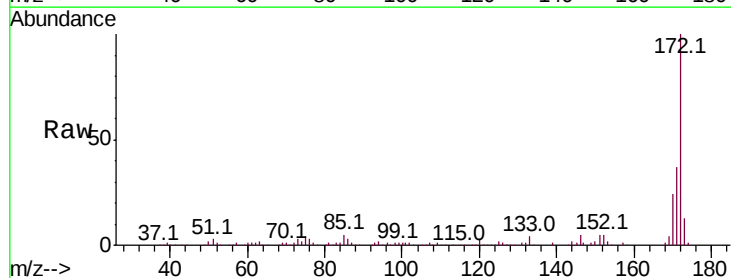


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

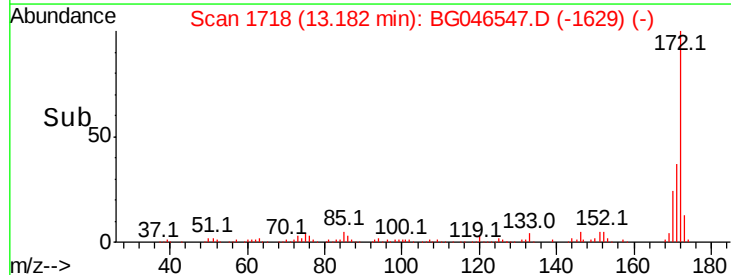
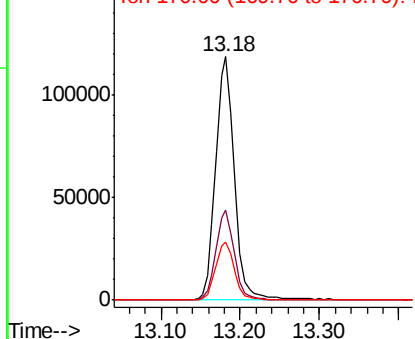


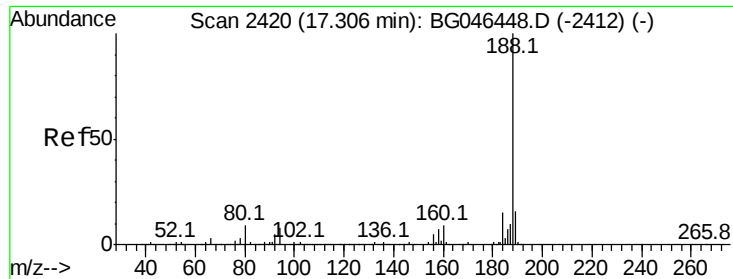
#45
 2-Fluorobiphenyl
 Concen: 12.431 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG046547.D
 Acq: 4 Sep 2020 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.8	47.6
170	23.6	20.3	30.5



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

Instrument :

BNA_G

ClientSampleId :

TR-05-090220

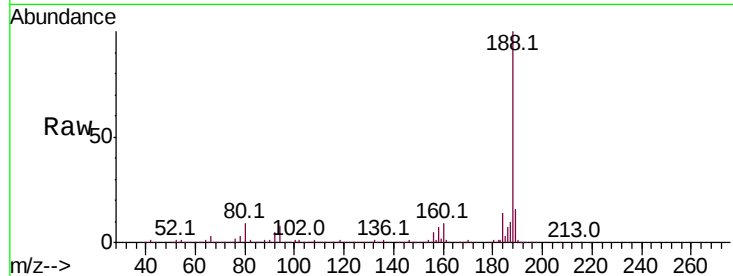
Tot Ion:188 Resp: 509578

Ion Ratio Lower Upper

188 100

94 7.9 6.3 9.5

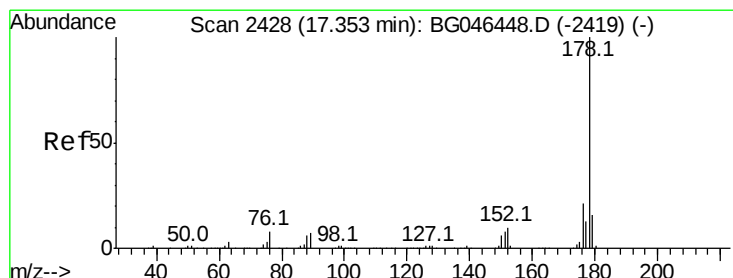
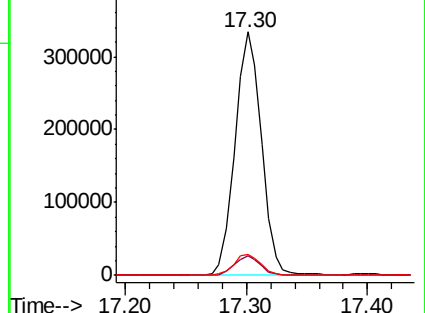
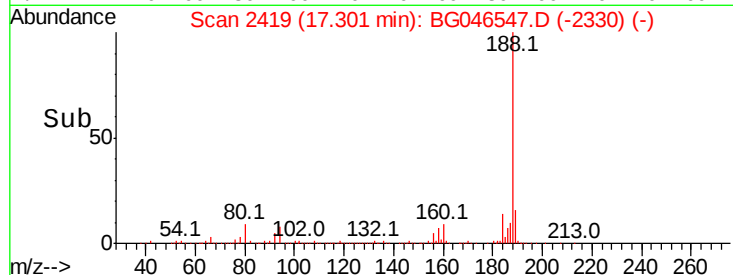
80 8.8 6.9 10.3



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



#71

Phenanthrene

Concen: 2.927 ng

RT: 17.34 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

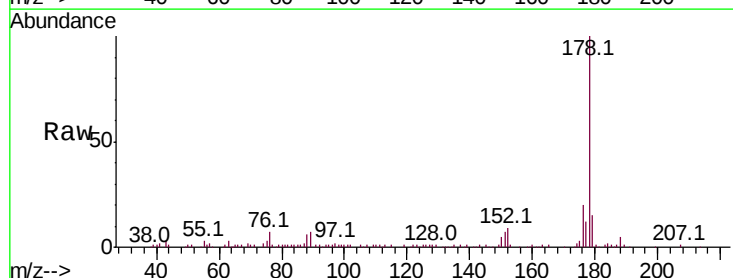
Tgt Ion:178 Resp: 75613

Ion Ratio Lower Upper

178 100

176 19.9 16.8 25.2

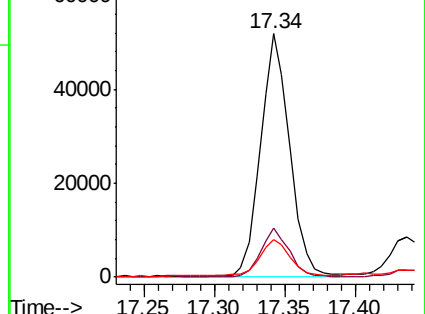
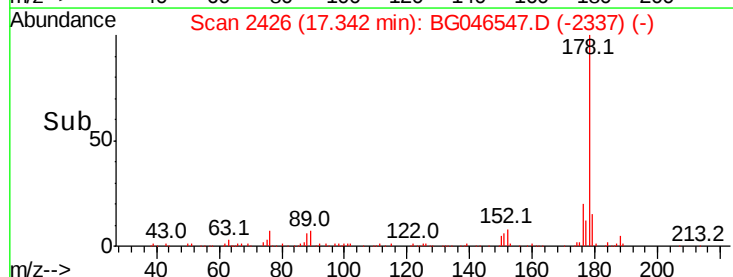
179 15.3 13.2 19.8

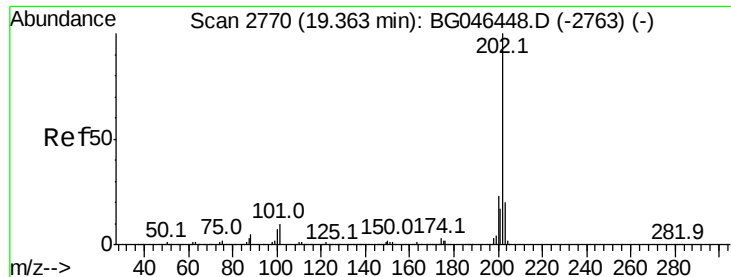


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.749 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

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ClientSampleId :

TR-05-090220

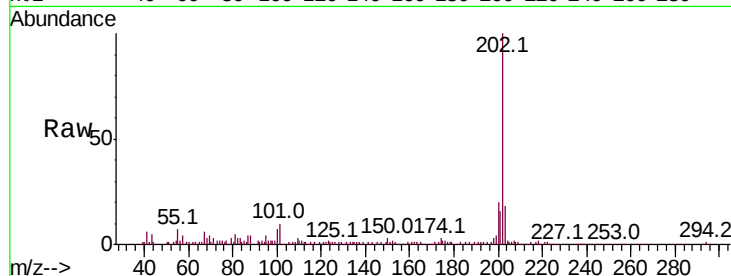
Tot Ion:202 Resp: 124615

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.9

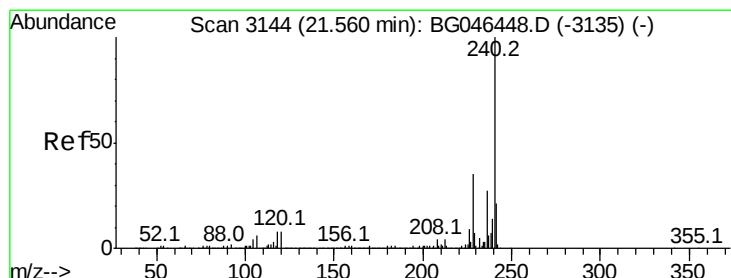
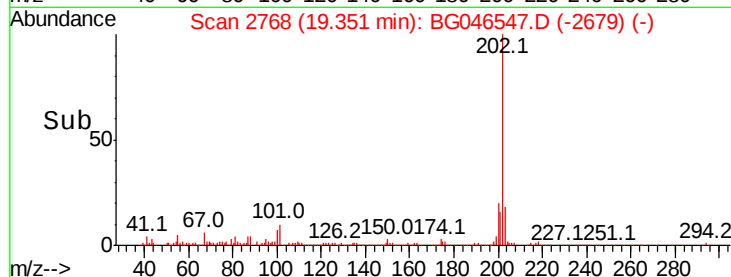
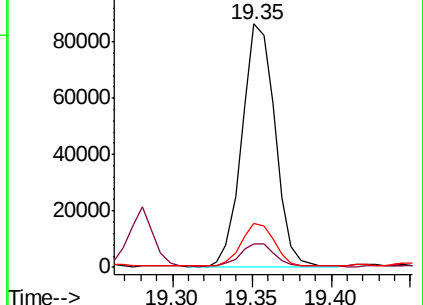
203 18.2 0.0 40.0



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: 21.55 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

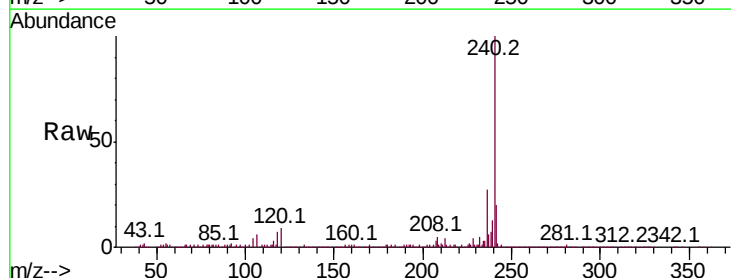
Tgt Ion:240 Resp: 506918

Ion Ratio Lower Upper

240 100

120 8.6 6.6 10.0

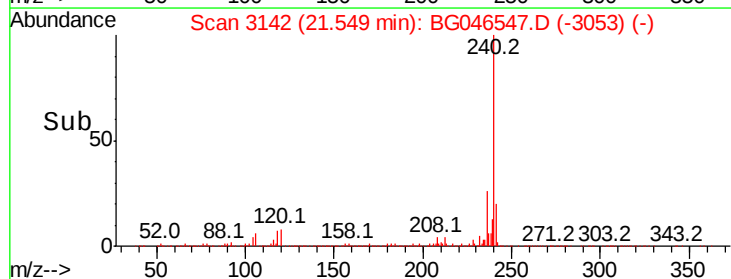
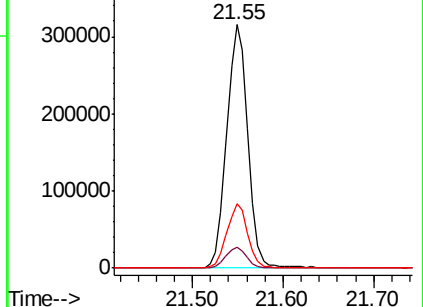
236 26.6 21.4 32.2

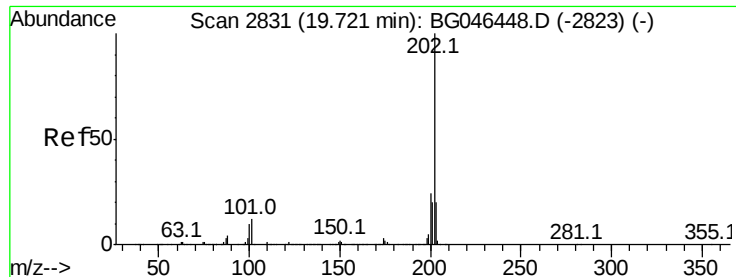


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

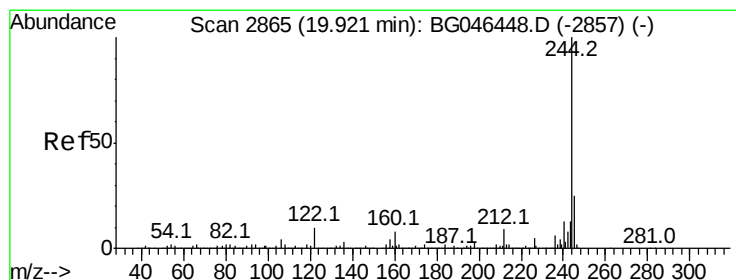
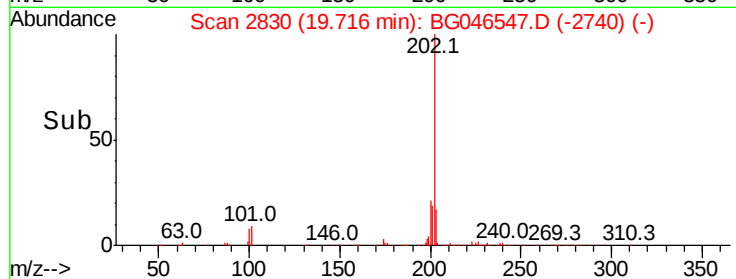
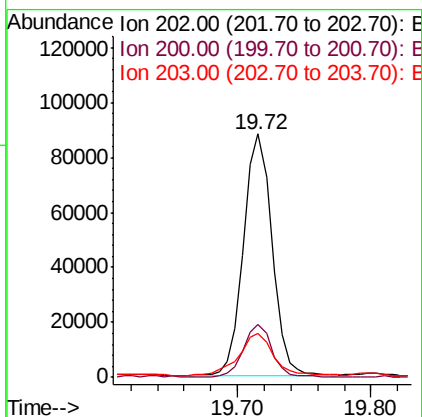
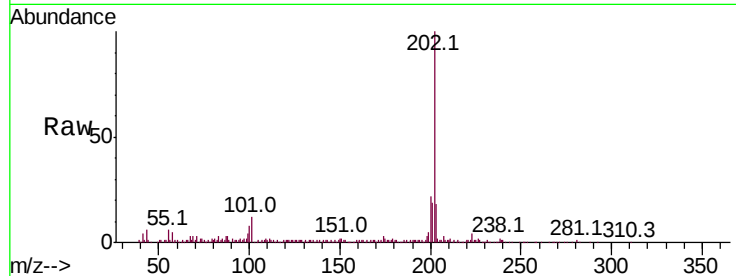




#78
Pvrene
Concen: 4.052 ng
RT: 19.72 min Scan# 2830
Delta R.T. 0.00 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

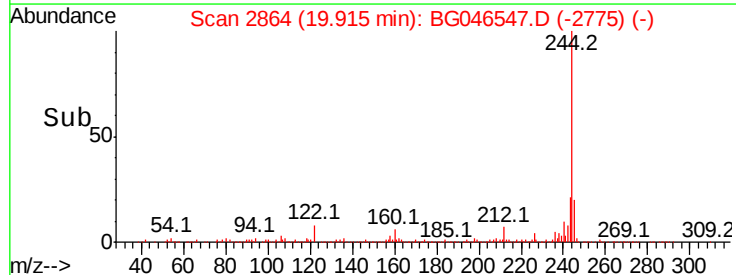
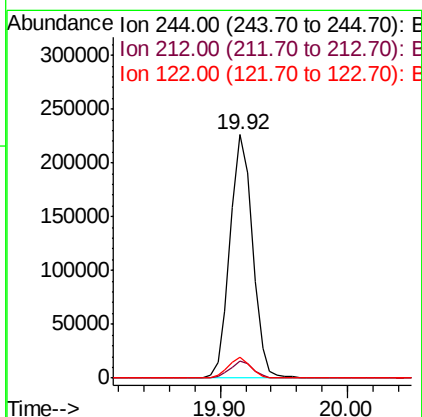
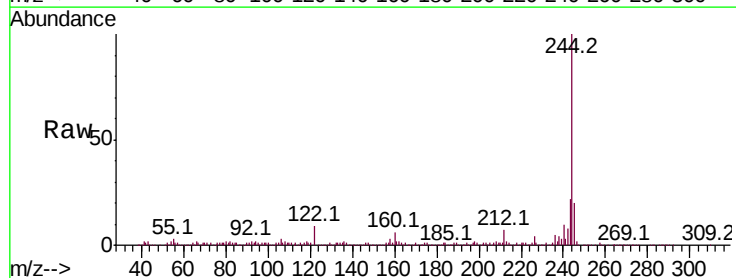
Instrument :
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TR-05-090220

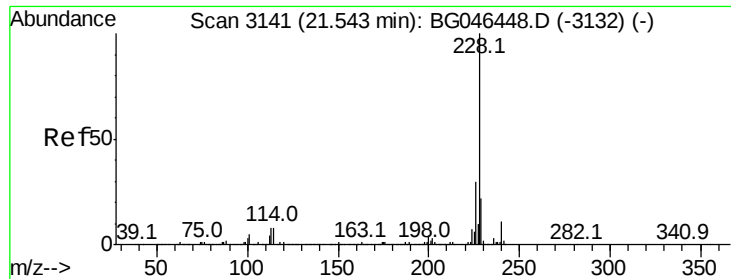
Tot Ion:	202	Resp:	130798
Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.9	28.3
203	18.2	16.1	24.1



#79
Terphenyl-d14
Concen: 11.689 ng
RT: 19.92 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Tgt Ion:	244	Resp:	278433
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.9	10.3
122	8.5	8.2	12.4

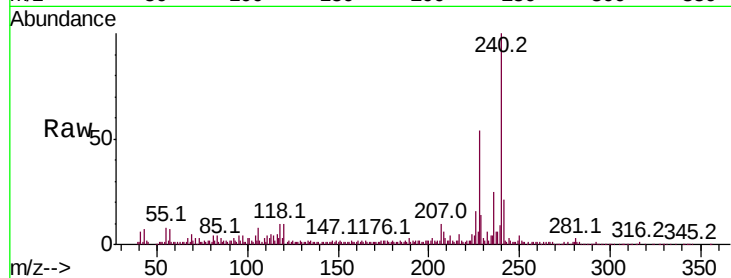




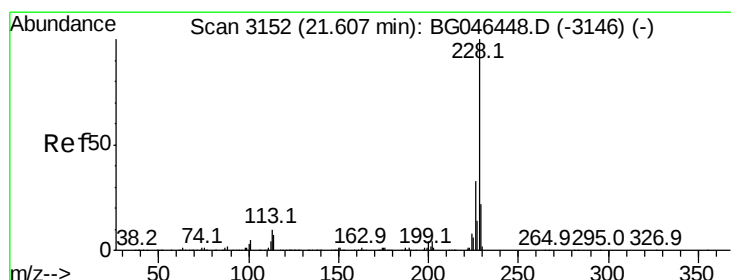
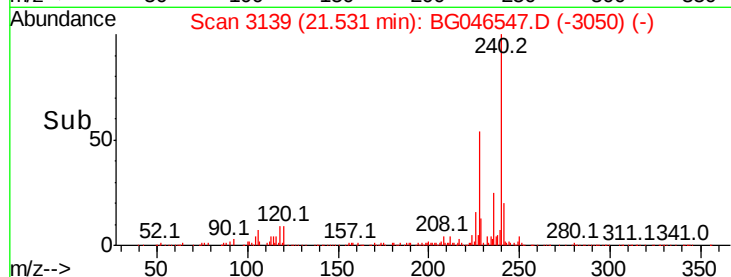
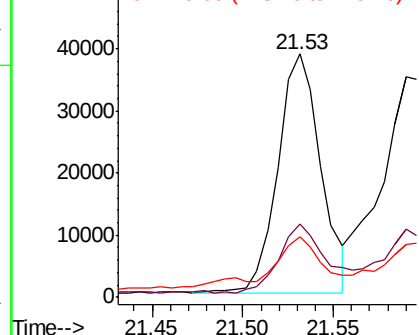
#81
Benzo(a)anthracene
Concen: 2.014 ng
RT: 21.53 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Instrument :
BNA_G
ClientSampleId :
TR-05-090220

Tot Ion:228 Resp: 63640
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 25.0 17.4 26.2

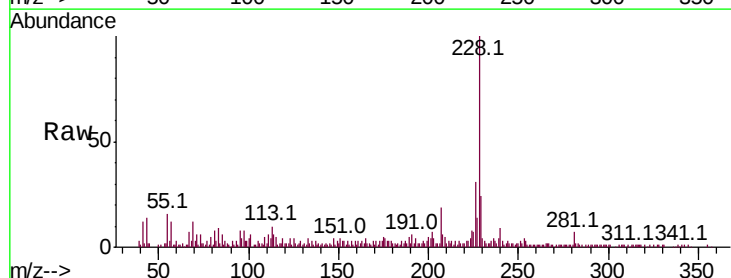


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

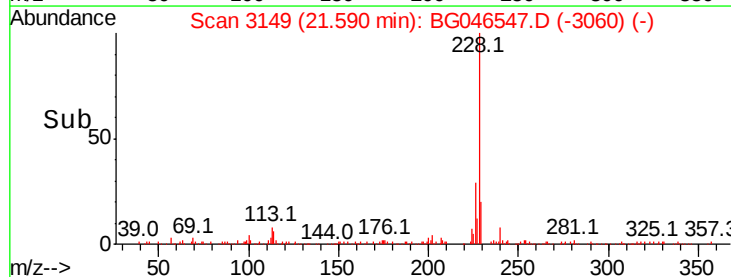
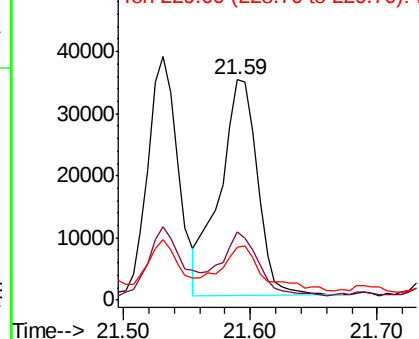


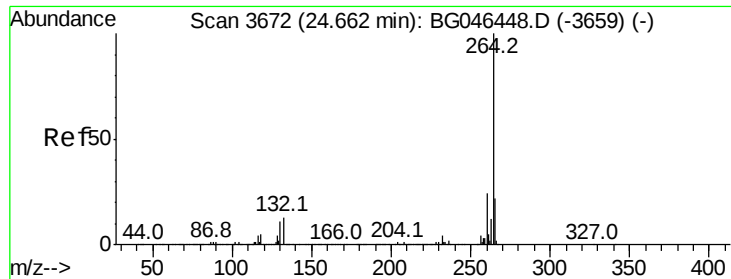
#83
Chrysene
Concen: 2.355 ng
RT: 21.59 min Scan# 3149
Delta R.T. -0.01 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Tgt Ion:228 Resp: 71578
Ion Ratio Lower Upper
228 100
226 30.9 26.2 39.4
229 23.8 17.9 26.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



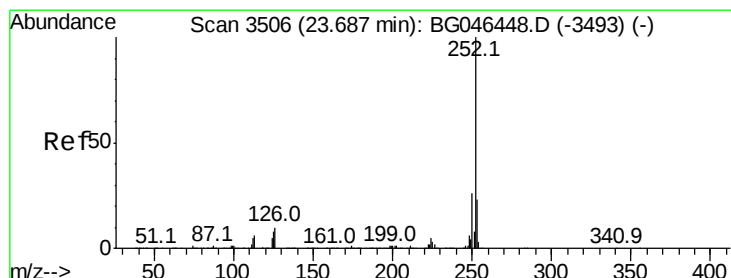
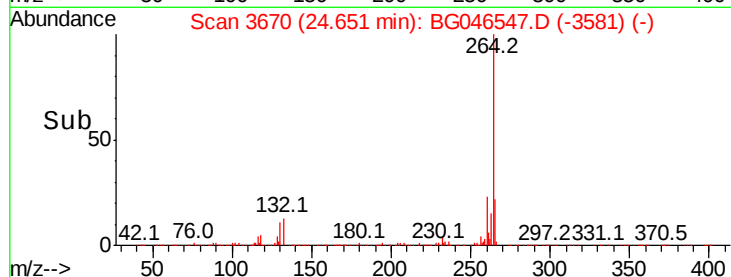
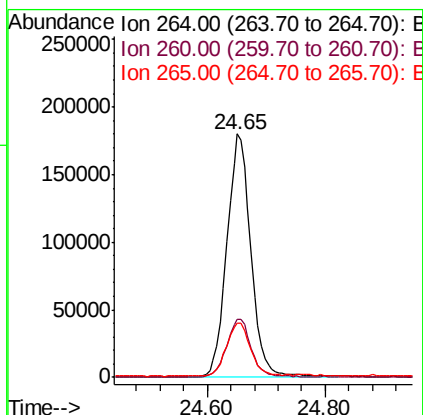
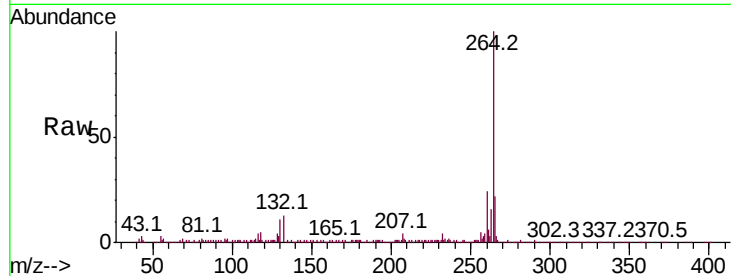


#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Instrument :
BNA_G
ClientSampleId :
TR-05-090220

Tot Ion:264 Resp: 507302

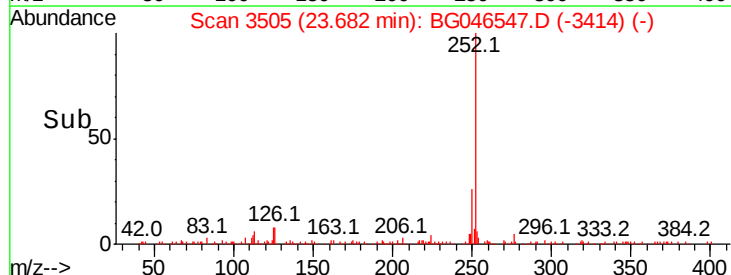
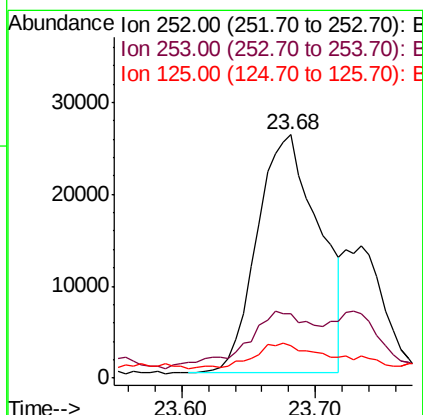
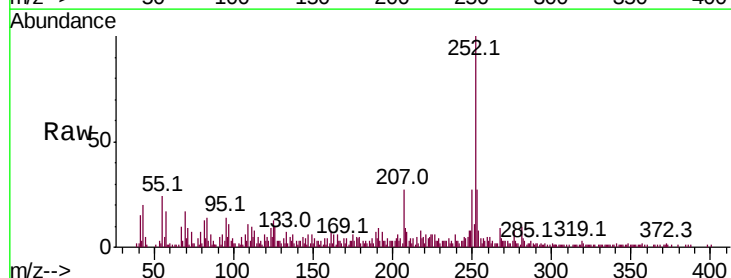
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.4	17.9	26.9

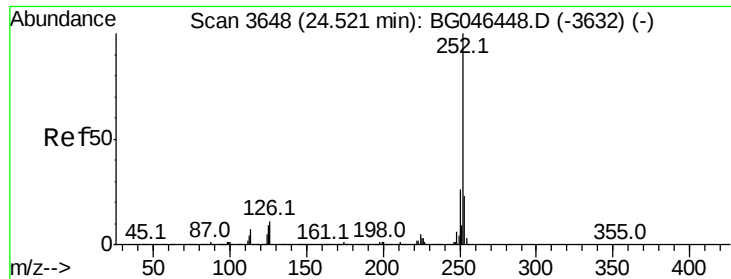


#88
Benzo(b)fluoranthene
Concen: 2.627 ng
RT: 23.68 min Scan# 3505
Delta R.T. 0.01 min
Lab File: BG046547.D
Acq: 4 Sep 2020 19:20

Tgt Ion:252 Resp: 83201

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.4
125	13.1	6.2	9.2#





#90

Benzo(a)pyrene

Concen: 2.096 ng

RT: 24.50 min Scan# 3644

Delta R.T. -0.01 min

Lab File: BG046547.D

Acq: 4 Sep 2020 19:20

Instrument :

BNA_G

ClientSampleId :

TR-05-090220

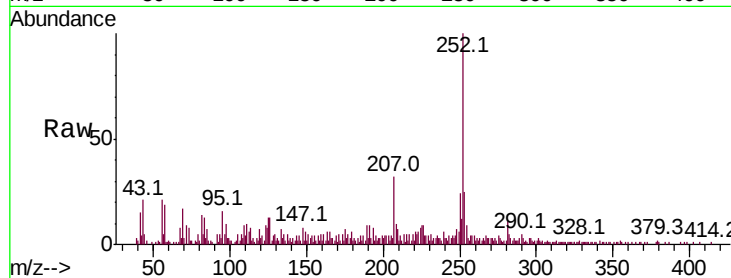
Tot Ion:252 Resp: 61972

Ion Ratio Lower Upper

252 100

253 25.3 18.2 27.4

125 13.3 7.4 11.0#



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

