

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044472.D
 Acq On : 18 Feb 2020 14:43
 Operator : CG/JU
 Sample : L1545-02 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

Quant Time: Feb 18 15:20:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 14:58:50 2020
 Response via : Initial Calibration

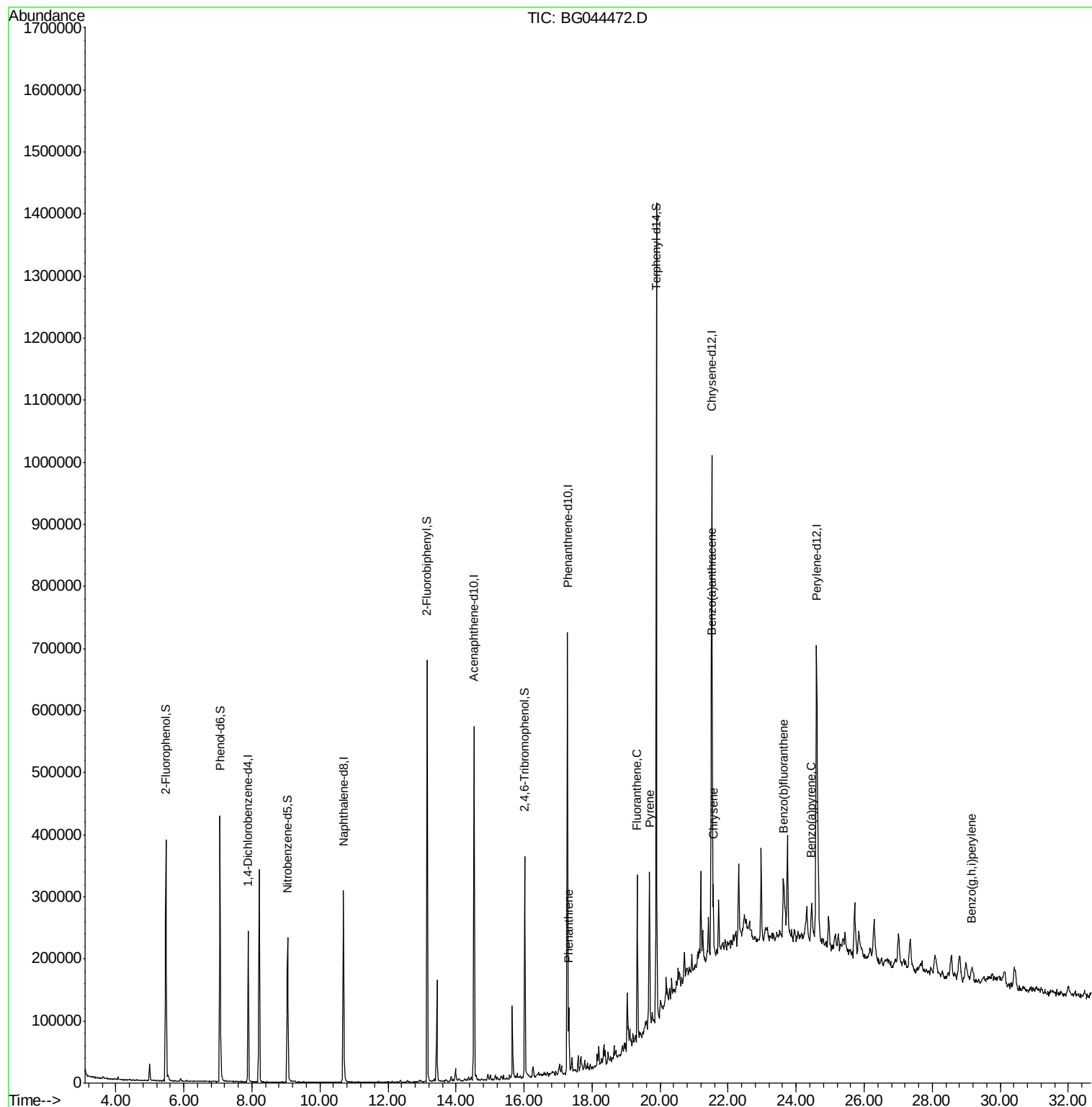
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	72109	20.00	ng	0.00
21) Naphthalene-d8	10.69	136	300821	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	199271	20.00	ng	0.00
64) Phenanthrene-d10	17.27	188	453569	20.00	ng	0.00
76) Chrysene-d12	21.52	240	433324	20.00	ng	0.00
87) Perylene-d12	24.60	264	467206	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	200152	48.99	ng	0.00
7) Phenol-d6	7.06	99	286538	52.22	ng	0.00
23) Nitrobenzene-d5	9.05	82	162802	30.55	ng	0.00
42) 2,4,6-Tribromophenol	16.02	330	76616	32.75	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	386733	32.50	ng	0.00
79) Terphenyl-d14	19.89	244	655883	31.13	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.32	178	62768	2.858	ng	94
75) Fluoranthene	19.32	202	168075	6.615	ng	97
78) Pyrene	19.69	202	153068	5.500	ng	94
81) Benzo(a)anthracene	21.50	228	86154	3.226	ng	96
83) Chrysene	21.56	228	78504	3.041	ng	97
88) Benzo(b)fluoranthene	23.63	252	99349	3.690	ng	# 92
90) Benzo(a)pyrene	24.45	252	72613	2.853	ng	# 91
92) Benzo(g,h,i)perylene	29.16	276	51062	2.025	ng	97

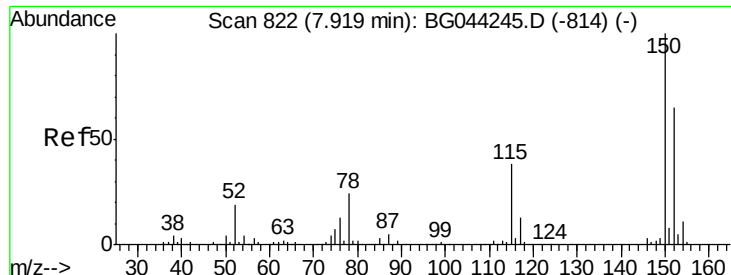
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Feb 18 15:20:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 18 14:58:50 2020
Response via : Initial Calibration



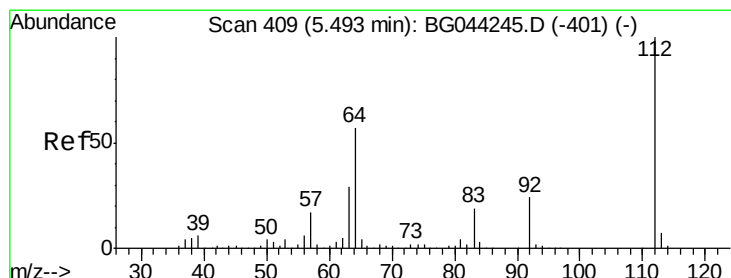
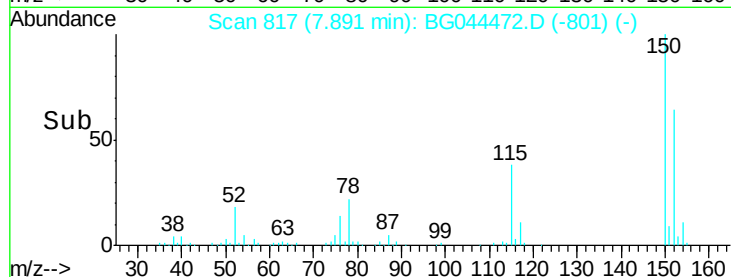
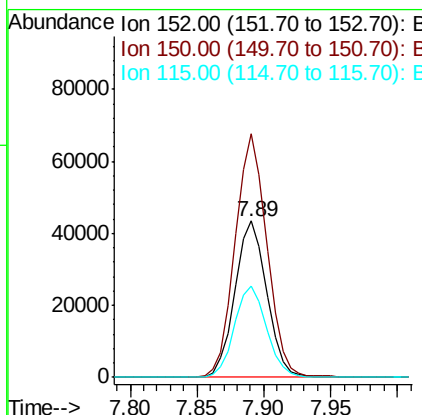
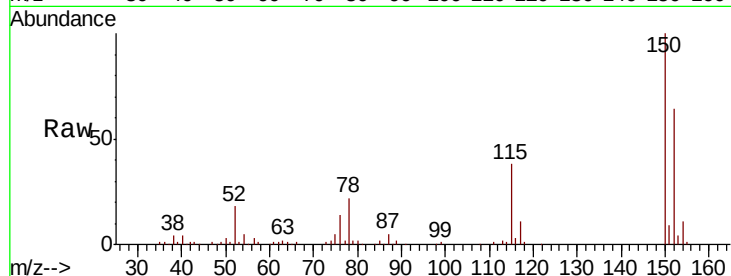


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

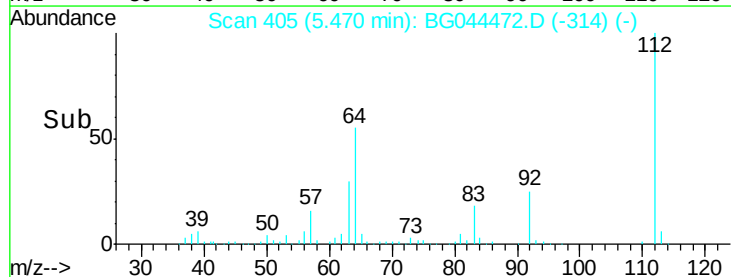
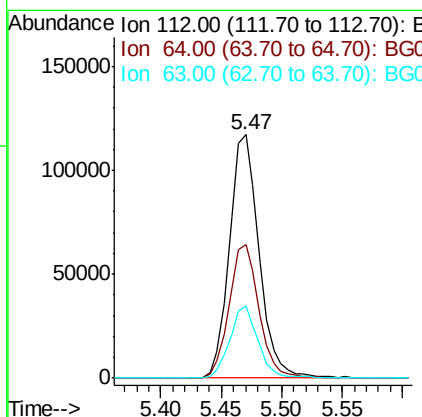
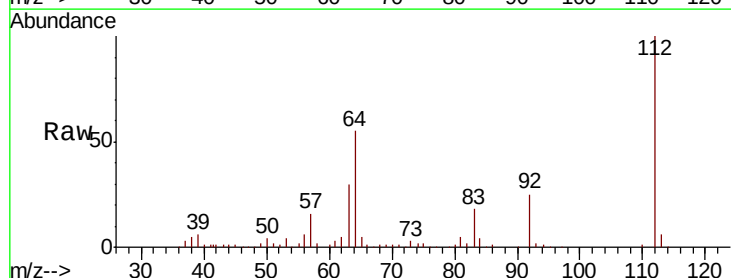
Tot Ion:152 Resp: 72109
 Ion Ratio Lower Upper
 152 100
 150 155.8 122.6 183.8
 115 58.6 46.0 69.0

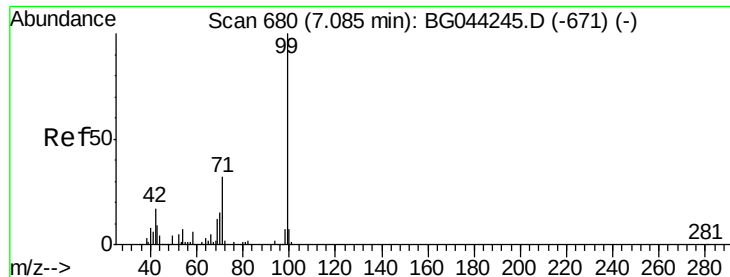


#5

2-Fluorophenol
 Concen: 48.986 ng
 RT: 5.47 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

Tgt Ion:112 Resp: 200152
 Ion Ratio Lower Upper
 112 100
 64 54.7 45.4 68.2
 63 29.5 22.9 34.3





#7

Phenol-d6

Concen: 52.224 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

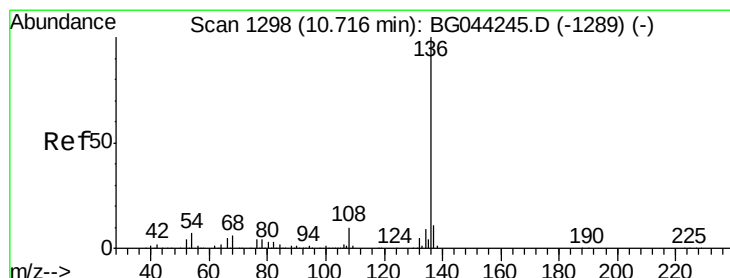
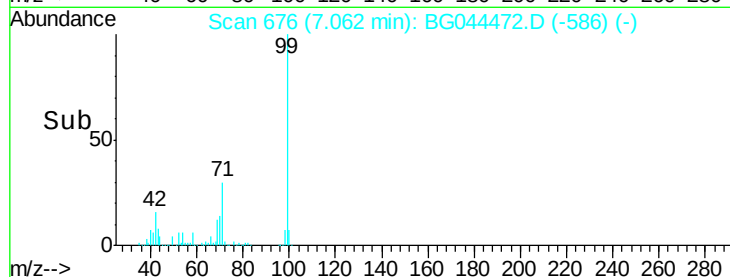
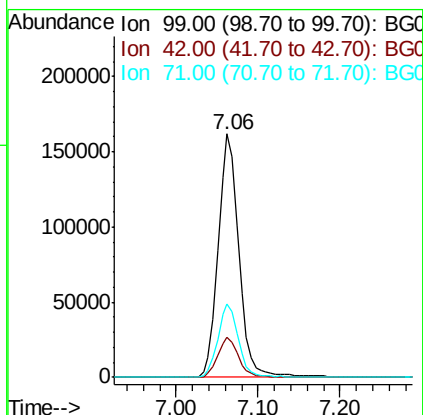
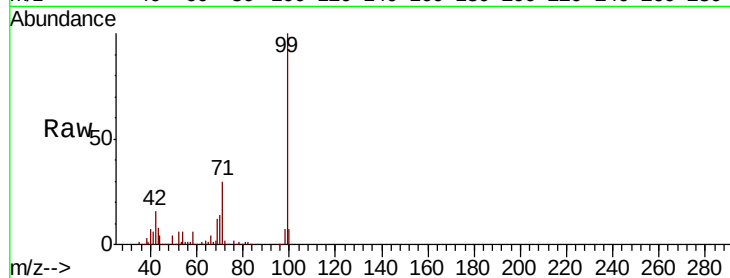
Tot Ion: 99 Resp: 286538

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.6

71 30.1 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.69 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Tgt Ion: 136 Resp: 300821

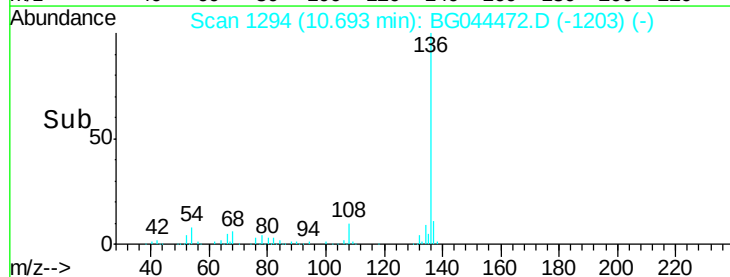
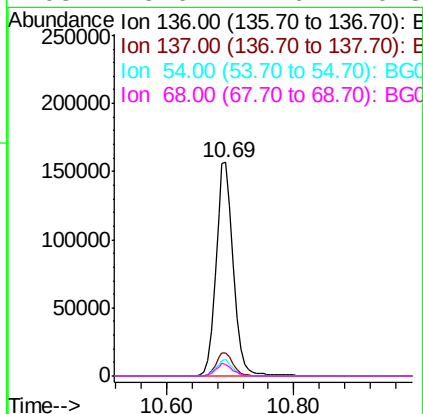
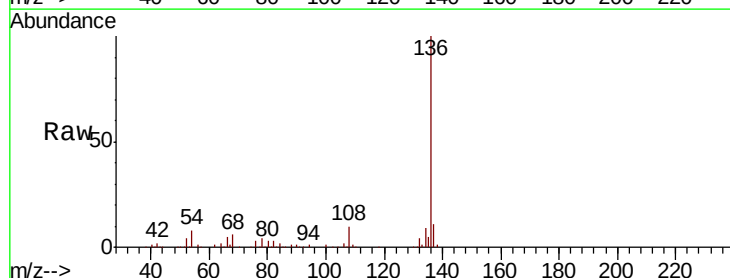
Ion Ratio Lower Upper

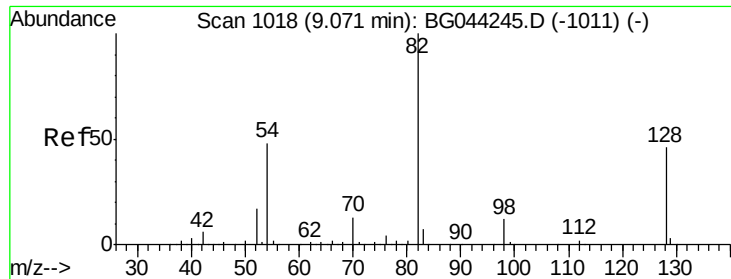
136 100

137 11.0 8.8 13.2

54 7.8 5.8 8.8

68 5.6 4.6 6.8

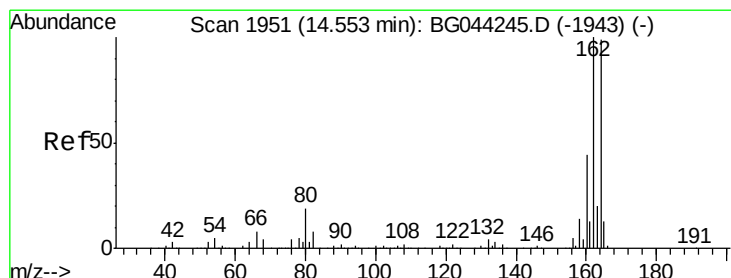
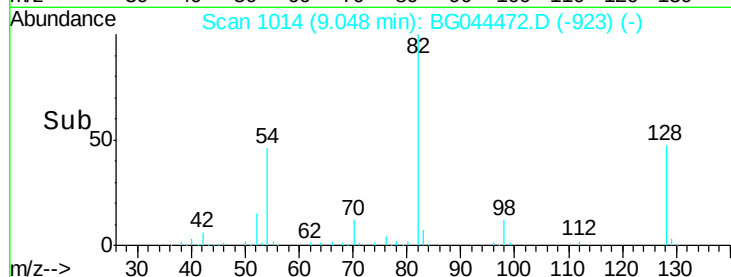
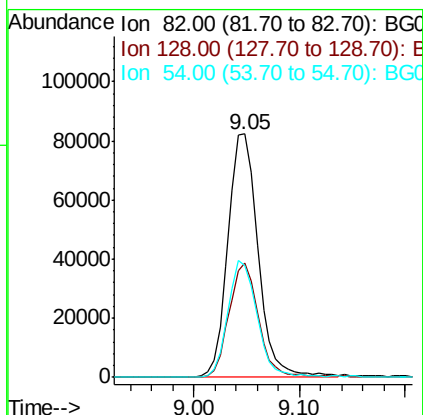
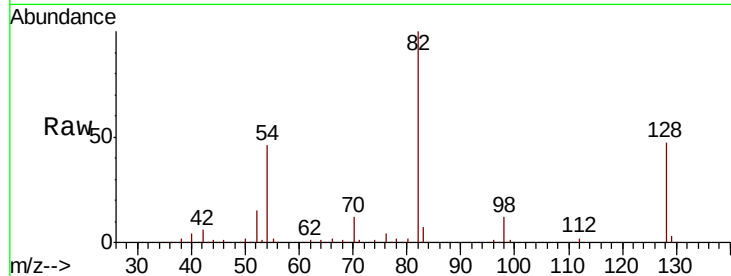




#23
Nitrobenzene-d5
Concen: 30.554 ng
RT: 9.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

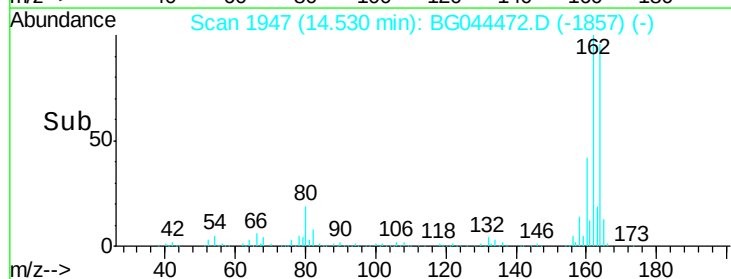
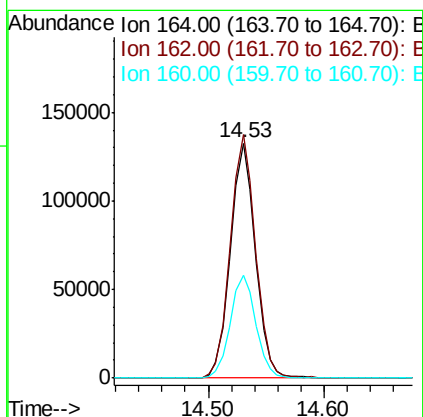
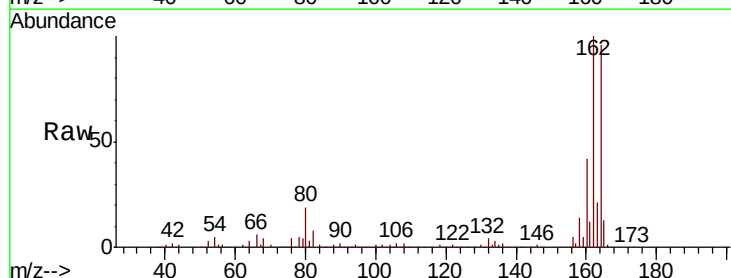
Instrument :
BNA_G
ClientSampleId :
43ST-A

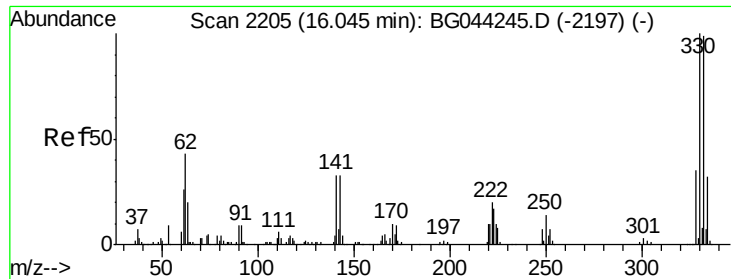
Tot Ion	82	Resp	162802
Ion Ratio	Lower	Upper	
82	100		
128	47.2	36.5	54.7
54	46.1	38.6	58.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Tgt Ion	164	Resp	199271
Ion Ratio	Lower	Upper	
164	100		
162	103.7	80.7	121.1
160	43.8	35.3	52.9

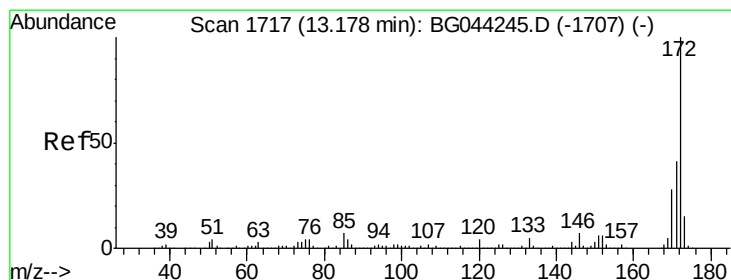
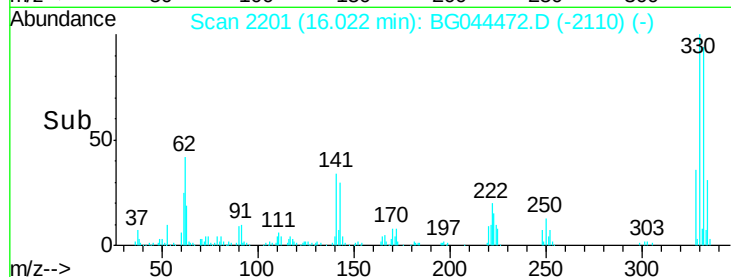
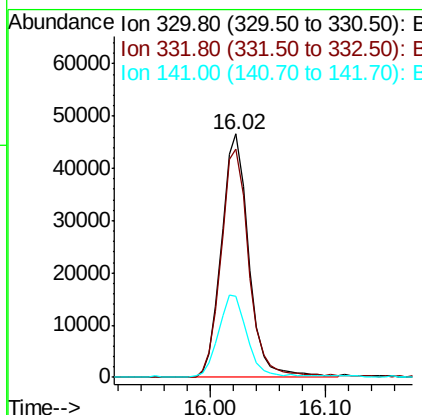
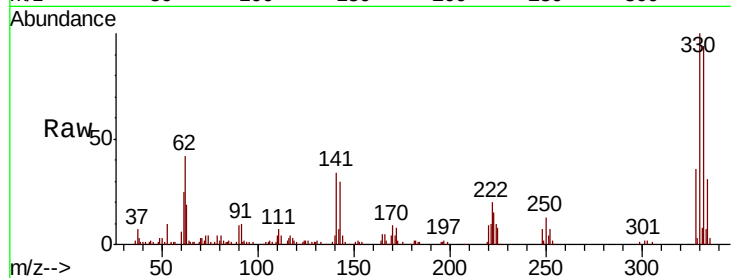




#42
 2,4,6-Tribromophenol
 Concen: 32.751 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

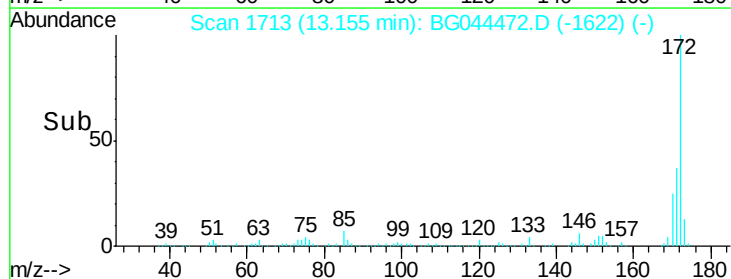
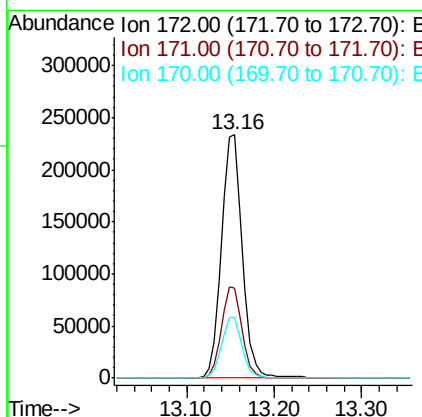
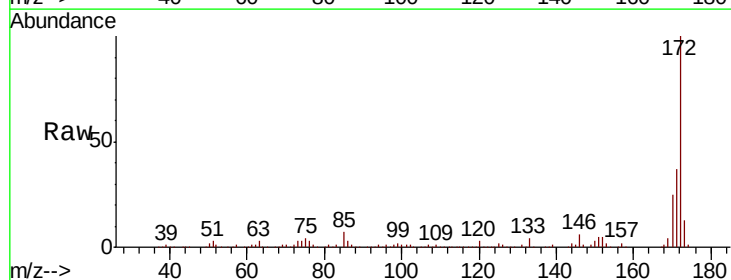
Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

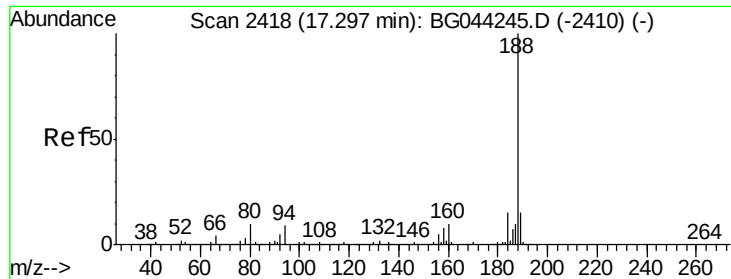
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.2	115.8
141	35.9	28.3	42.5



#45
 2-Fluorobiphenyl
 Concen: 32.499 ng
 RT: 13.16 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	32.9	49.3
170	25.1	22.0	33.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.27 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

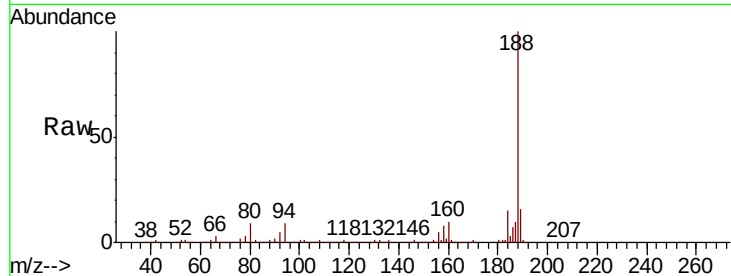
Tot Ion:188 Resp: 453569

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

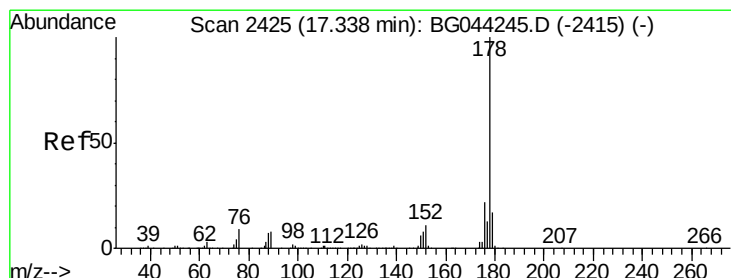
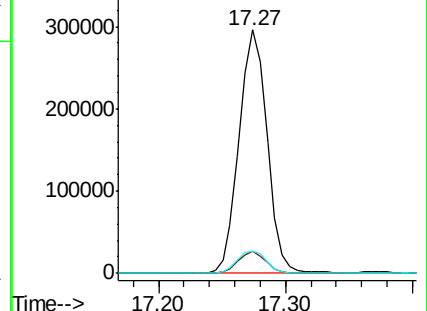
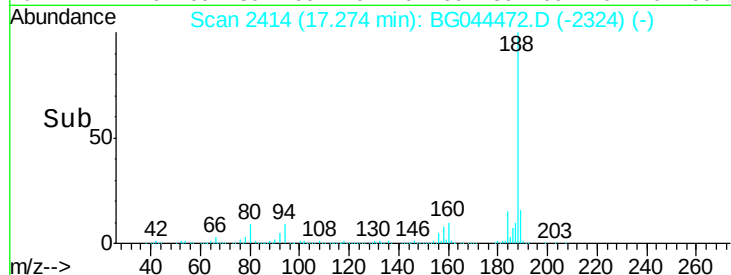
80 9.3 7.7 11.5



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: 2.858 ng

RT: 17.32 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

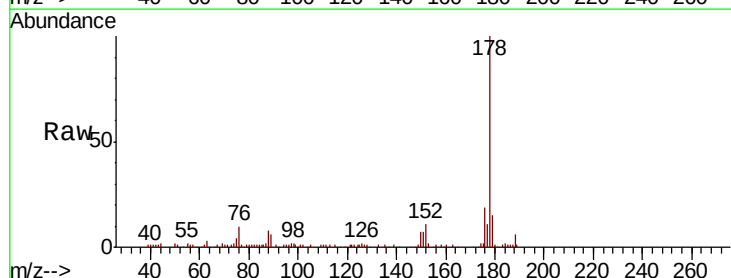
Tgt Ion:178 Resp: 62768

Ion Ratio Lower Upper

178 100

176 19.0 17.7 26.5

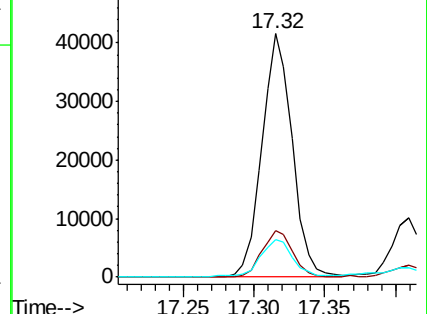
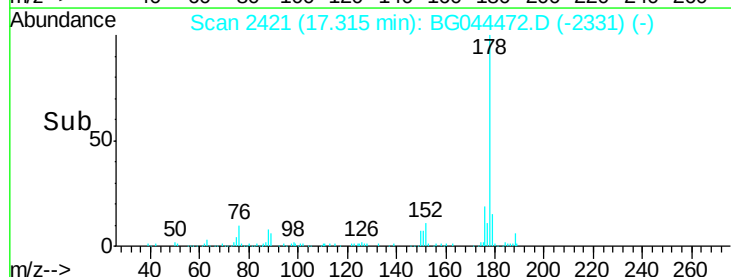
179 15.2 13.7 20.5

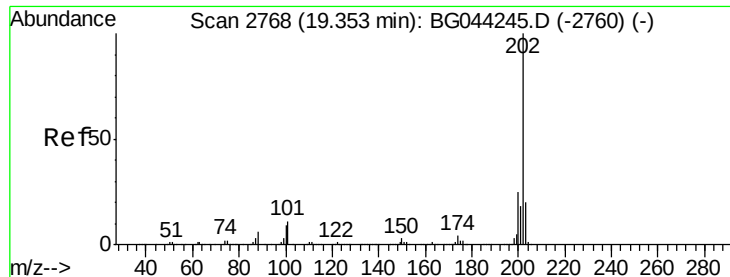


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.615 ng

RT: 19.32 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

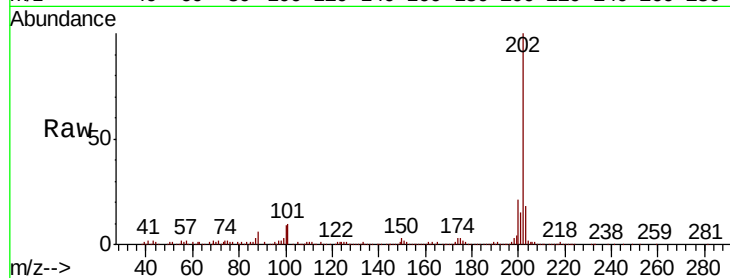
Tot Ion:202 Resp: 168075

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.3

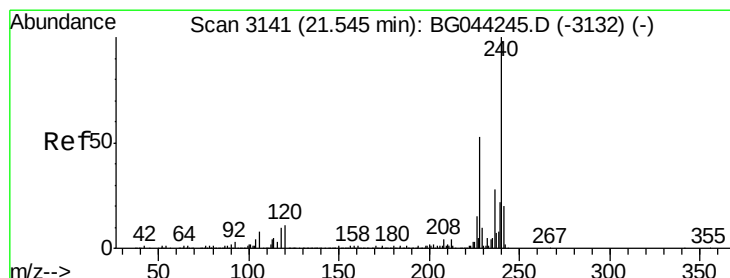
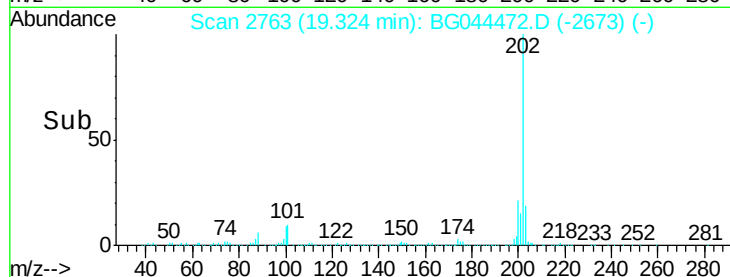
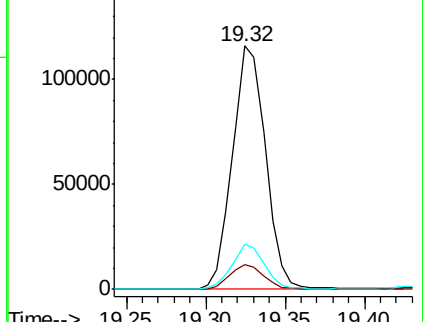
203 18.5 0.0 39.9



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: 21.52 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

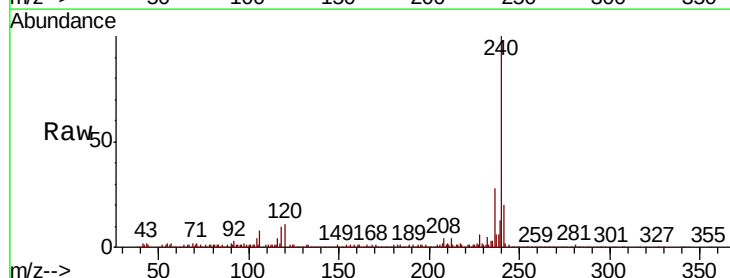
Tgt Ion:240 Resp: 433324

Ion Ratio Lower Upper

240 100

120 11.4 8.4 12.6

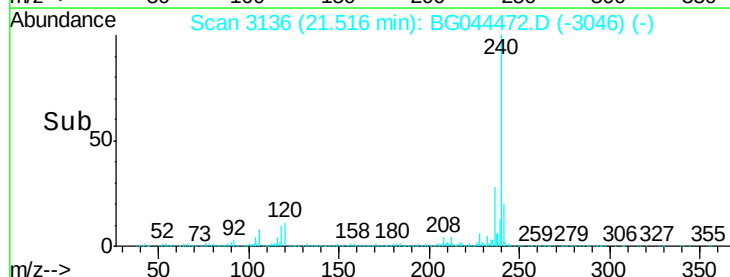
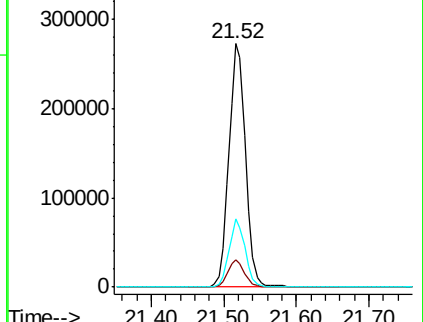
236 28.0 22.1 33.1

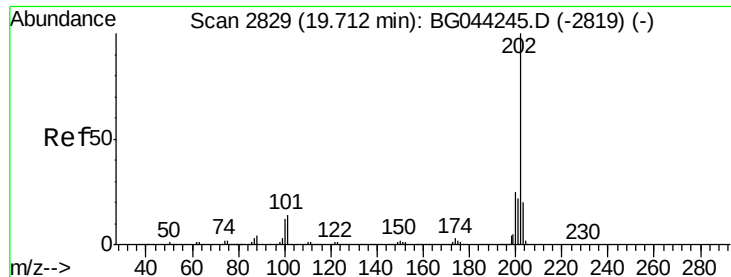


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.500 ng

RT: 19.69 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

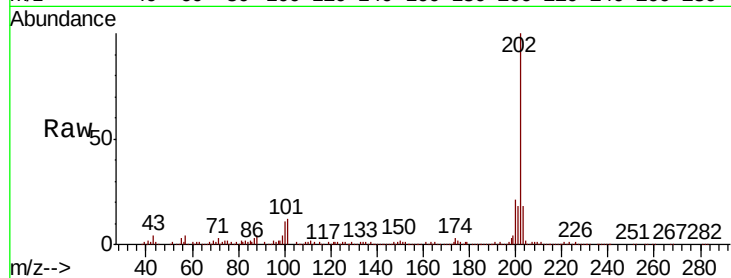
Tot Ion:202 Resp: 153068

Ion Ratio Lower Upper

202 100

200 21.2 20.0 30.0

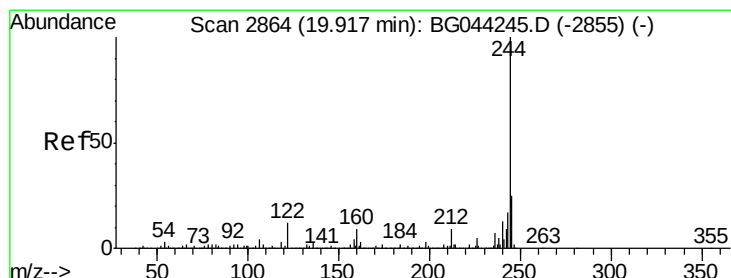
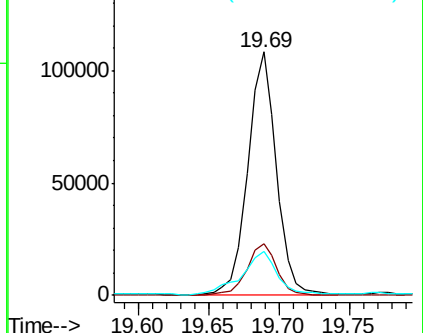
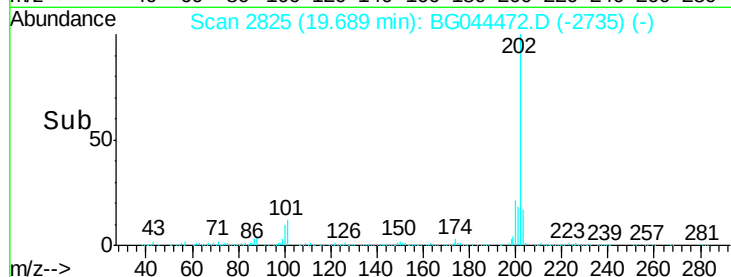
203 17.9 16.2 24.2



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: 31.133 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

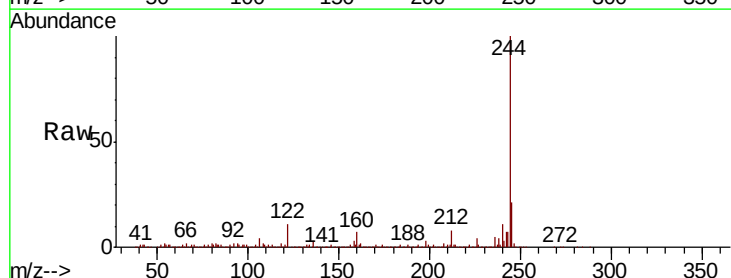
Tgt Ion:244 Resp: 655883

Ion Ratio Lower Upper

244 100

212 7.7 7.4 11.2

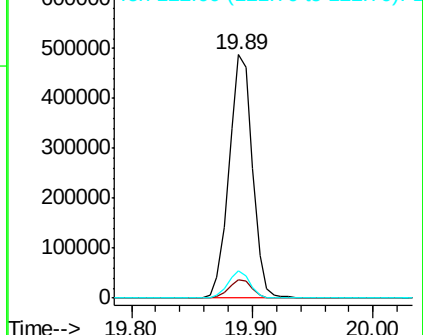
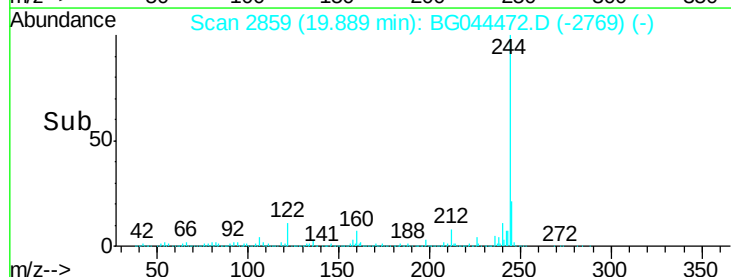
122 11.0 9.8 14.6

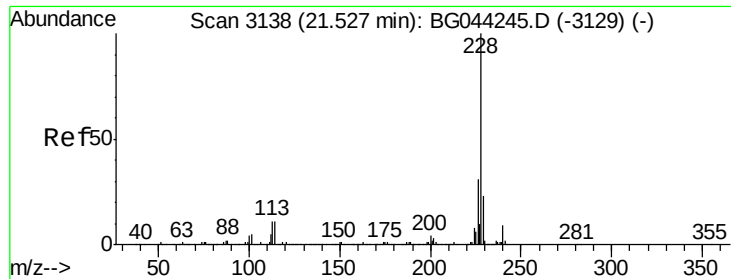


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

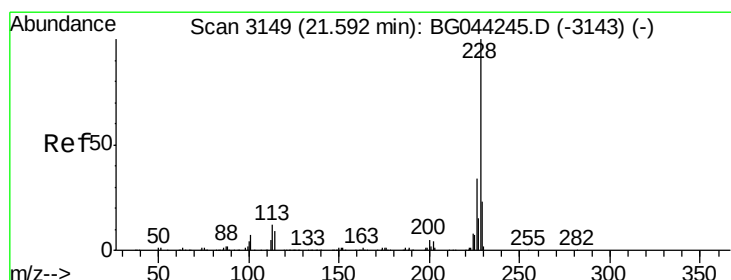
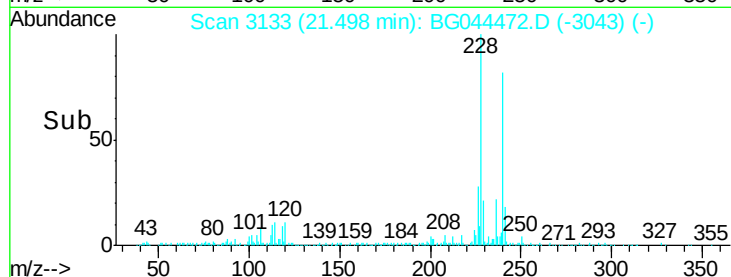
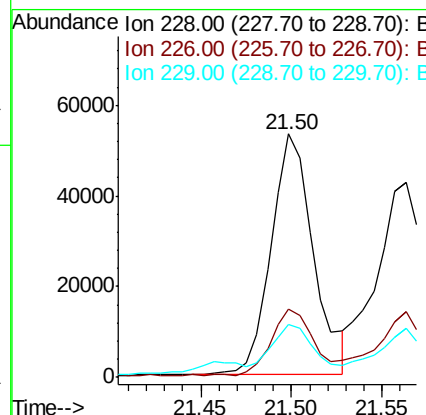
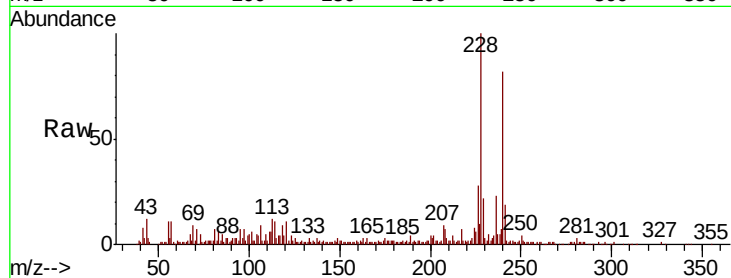




#81
Benzo(a)anthracene
Concen: 3.226 ng
RT: 21.50 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

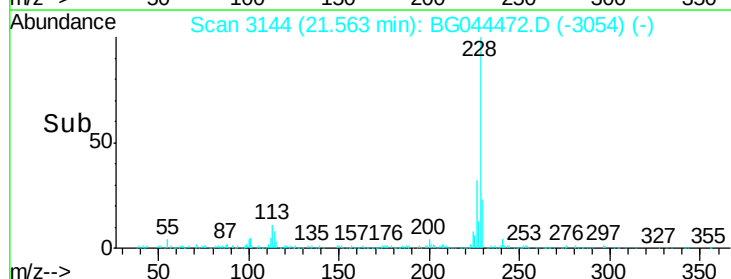
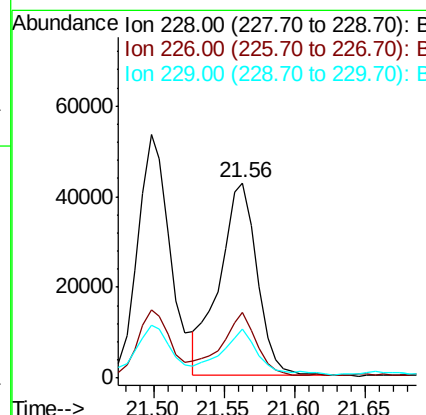
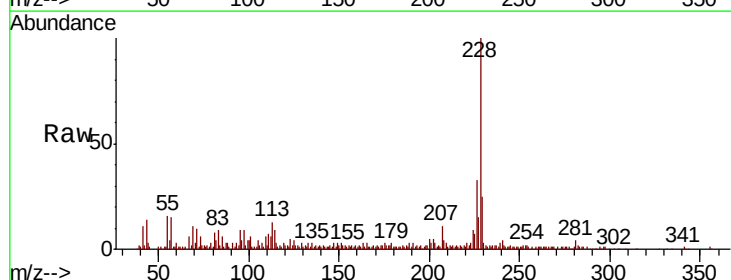
Instrument :
BNA_G
ClientSampleId :
43ST-A

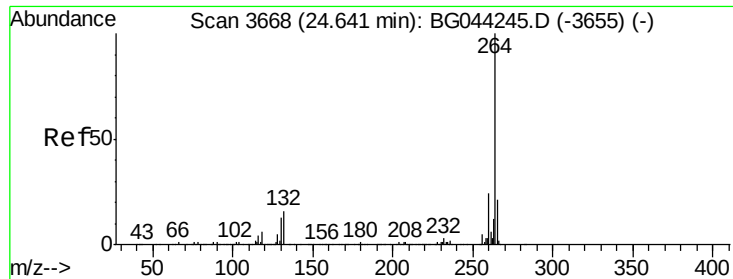
Tot Ion:228 Resp: 86154
Ion Ratio Lower Upper
228 100
226 28.0 24.7 37.1
229 21.8 18.2 27.4



#83
Chrysene
Concen: 3.041 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Tgt Ion:228 Resp: 78504
Ion Ratio Lower Upper
228 100
226 33.4 27.1 40.7
229 24.9 17.9 26.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.60 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

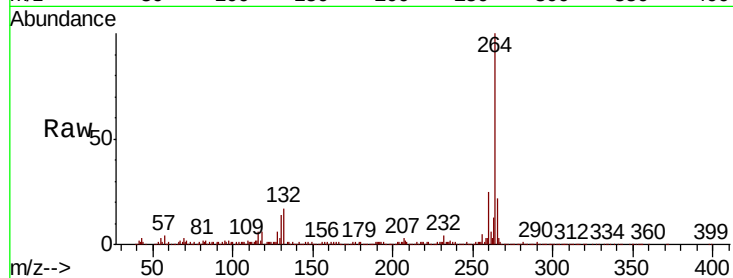
Tot Ion:264 Resp: 467206

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

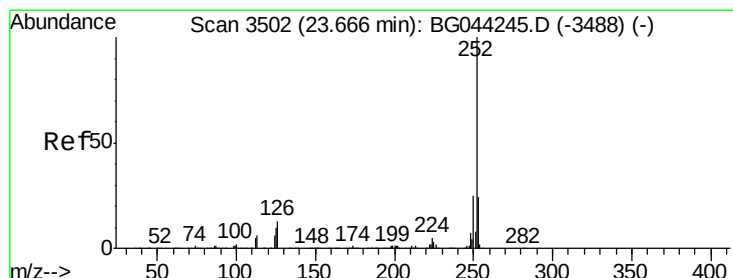
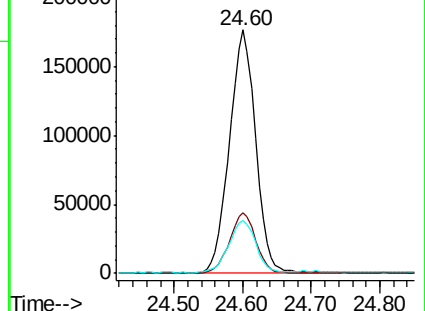
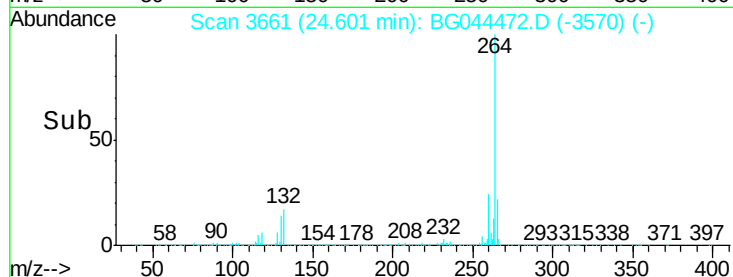
265 21.9 16.7 25.1



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: 3.690 ng

RT: 23.63 min Scan# 3496

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

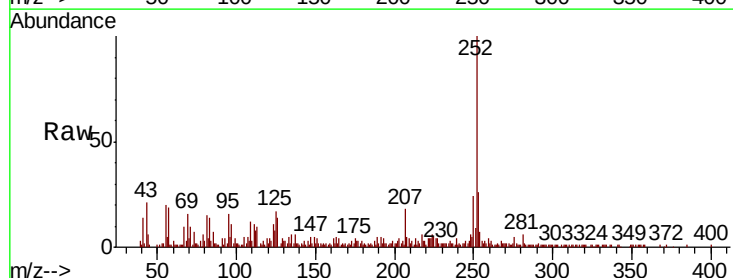
Tgt Ion:252 Resp: 99349

Ion Ratio Lower Upper

252 100

253 26.1 19.2 28.8

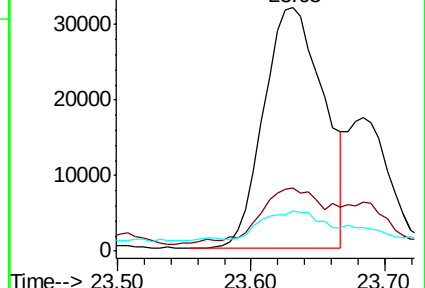
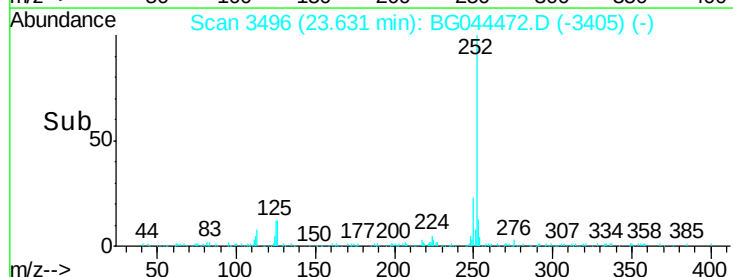
125 16.7 8.4 12.6#

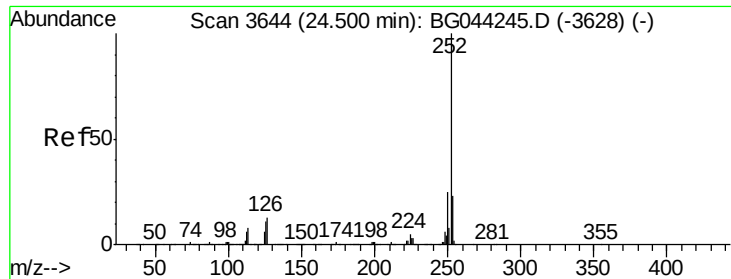


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.853 ng

RT: 24.45 min Scan# 3636

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

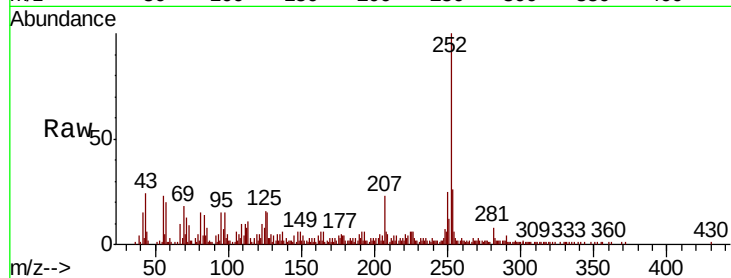
Tot Ion:252 Resp: 72613

Ion Ratio Lower Upper

252 100

253 26.4 18.1 27.1

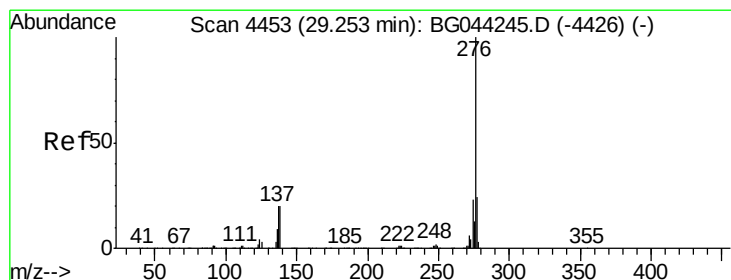
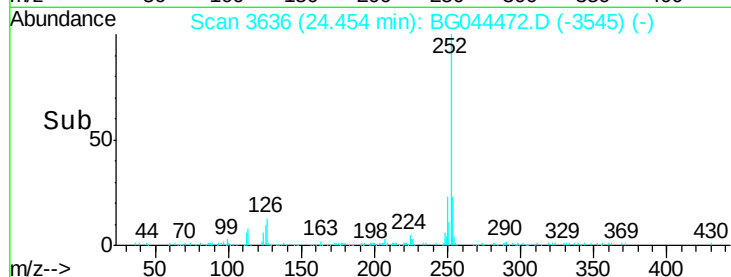
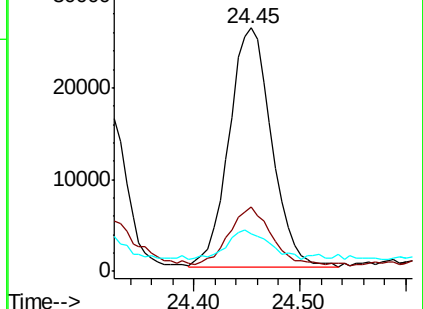
125 15.7 8.6 13.0#



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(g,h,i)perylene

Concen: 2.025 ng

RT: 29.16 min Scan# 4437

Delta R.T. -0.01 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

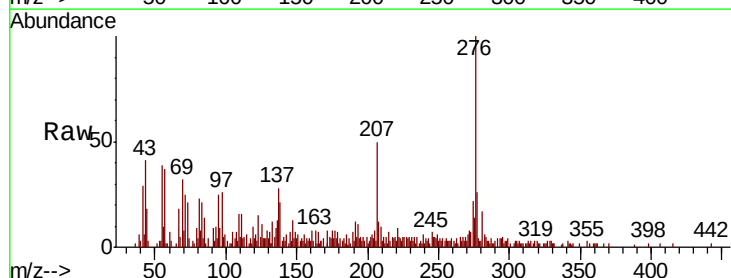
Tgt Ion:276 Resp: 51062

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 21.0 16.2 24.2



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

