

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042480.D
 Acq On : 25 Aug 2019 16:25
 Operator : HP/JU
 Sample : K4493-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T9-12-13-I-(0-1.9)

Quant Time: Aug 26 08:03:00 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

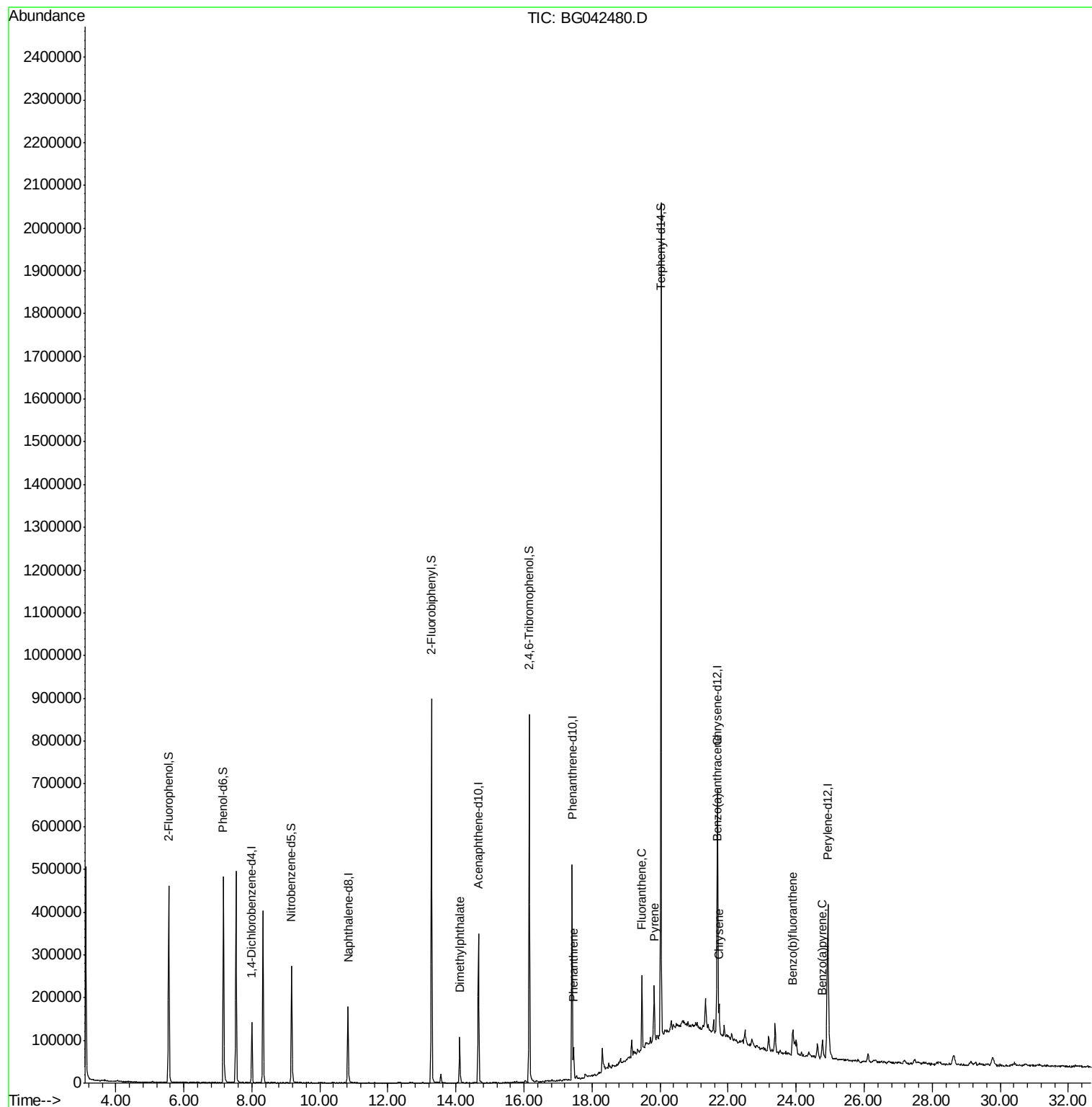
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	47883	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	188817	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	140184	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	341959	20.00	ng	0.00
76) Chrysene-d12	21.69	240	349086	20.00	ng	0.00
87) Perylene-d12	24.93	264	409234	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	240547	101.74	ng	0.00
7) Phenol-d6	7.16	99	332173	104.01	ng	0.00
23) Nitrobenzene-d5	9.17	82	187398	68.58	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	206256	103.52	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	555535	67.02	ng	0.00
79) Terphenyl-d14	20.02	244	991715	61.42	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.11	163	95525	9.444	ng	98
71) Phenanthrene	17.46	178	51364	3.024	ng	97
75) Fluoranthene	19.47	202	113968	5.498	ng	98
78) Pyrene	19.83	202	93794	4.382	ng	96
81) Benzo(a)anthracene	21.67	228	44763	2.108	ng	98
83) Chrysene	21.73	228	50842	2.483	ng	98
88) Benzo(b)fluoranthene	23.91	252	74214	3.299	ng	# 98
90) Benzo(a)pyrene	24.78	252	52070	2.439	ng	96

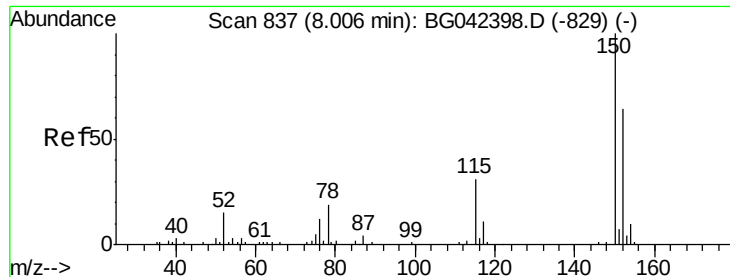
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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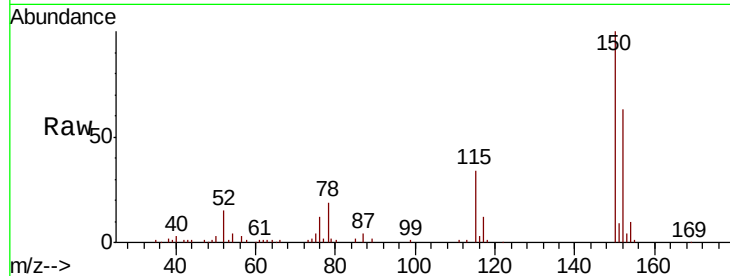


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Instrument :
BNA_G
ClientSampleId :
T9-12-13-I-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.4	188.0
115	53.3	38.5	57.7

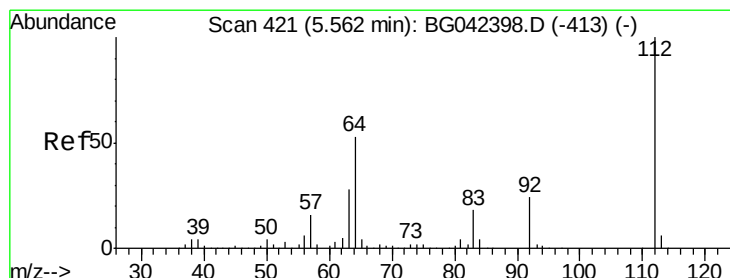
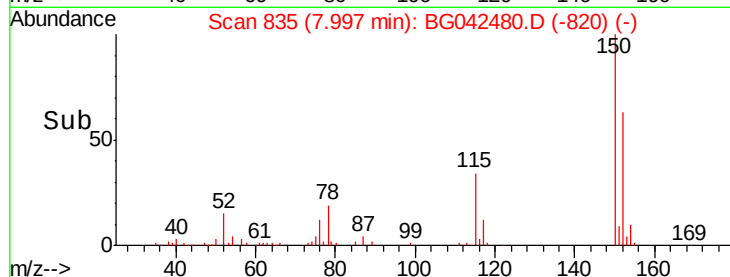
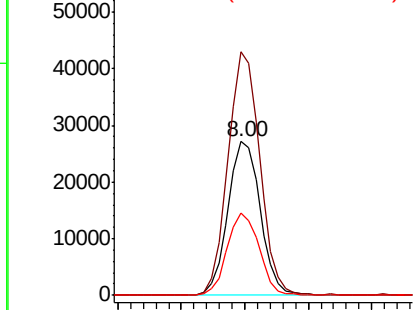


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

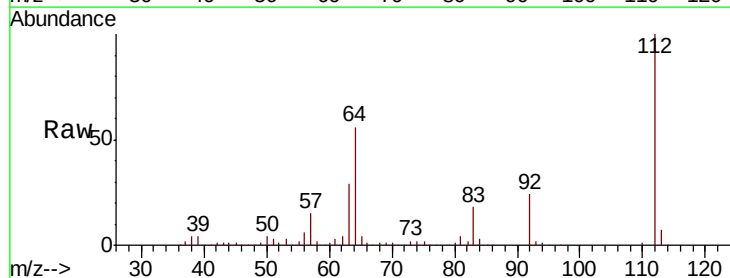
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.743 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	42.8	64.2
63	28.8	22.7	34.1

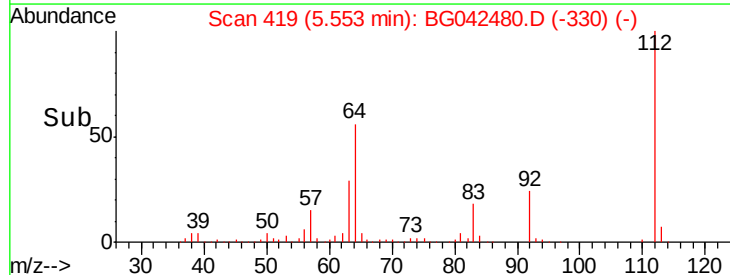
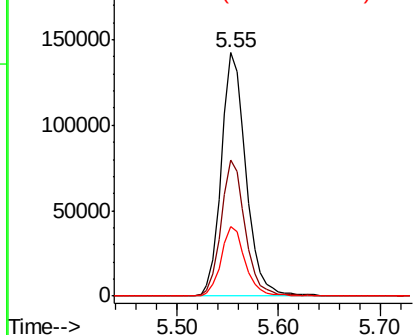


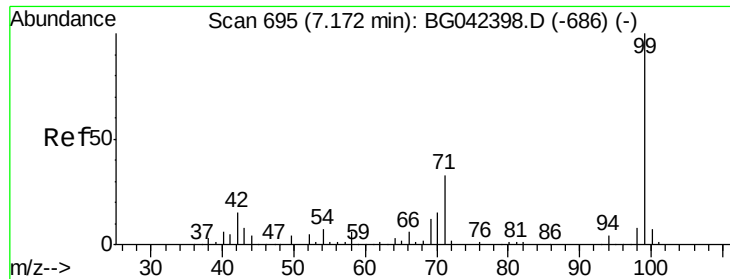
Abundance

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: 104.013 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

T9-12-13-I-(0-1.9)

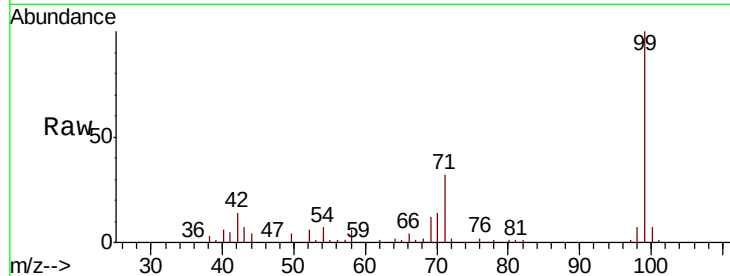
Tot Ion: 99 Resp: 332173

Ion Ratio Lower Upper

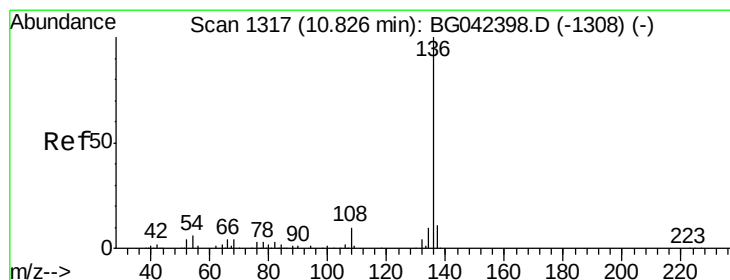
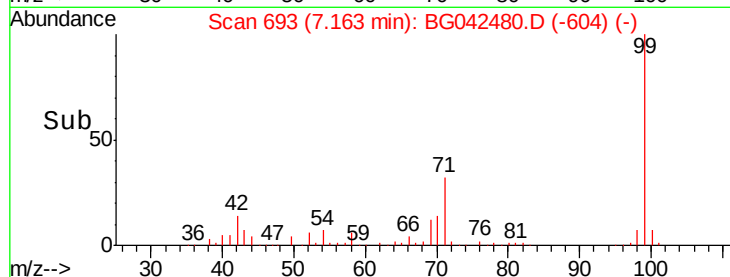
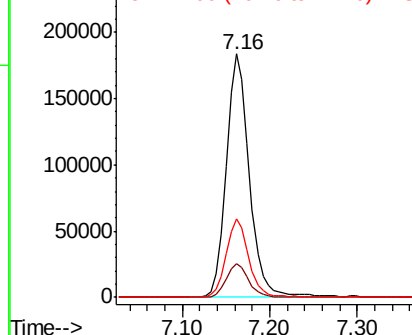
99 100

42 13.9 12.0 18.0

71 32.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Tgt Ion: 136 Resp: 188817

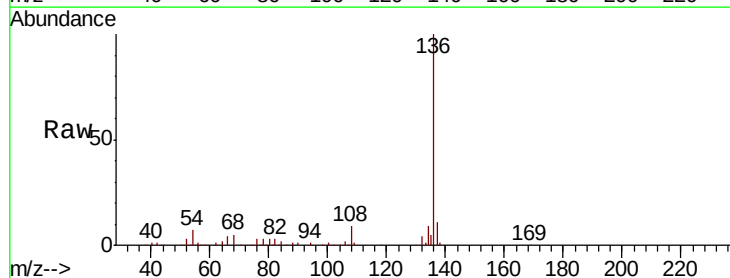
Ion Ratio Lower Upper

136 100

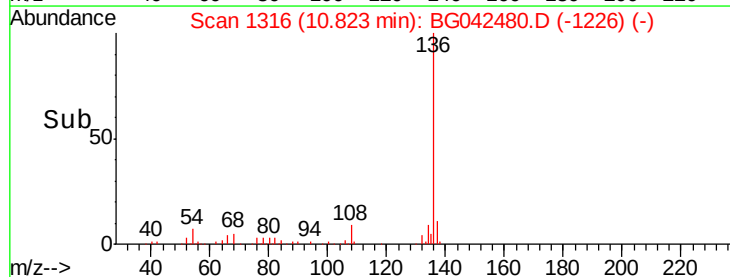
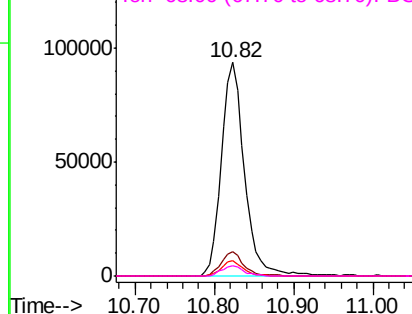
137 11.2 8.7 13.1

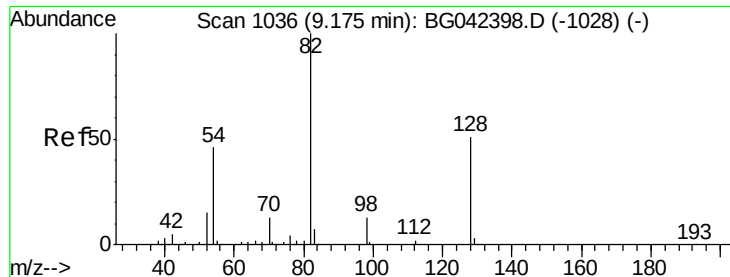
54 7.3 4.9 7.3

68 4.6 3.6 5.4



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

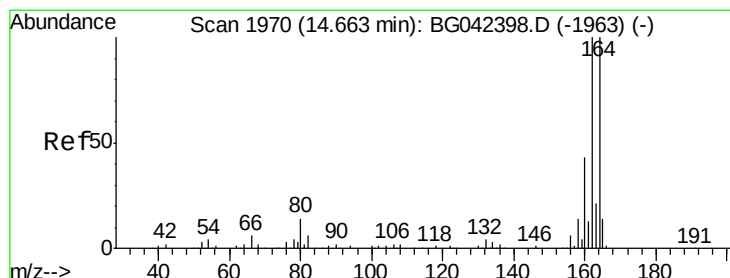
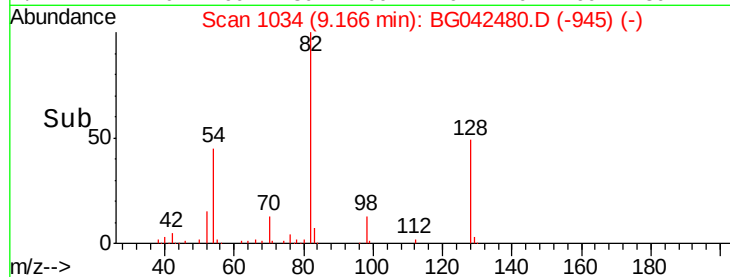
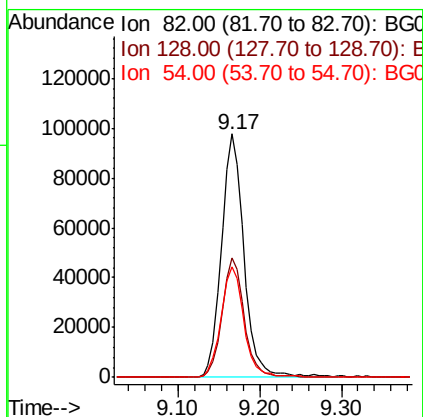
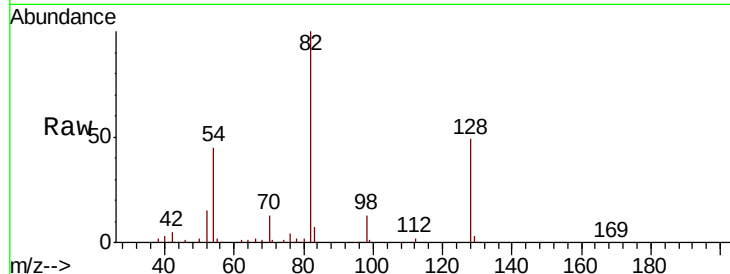




#23
Nitrobenzene-d5
Concen: 68.585 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

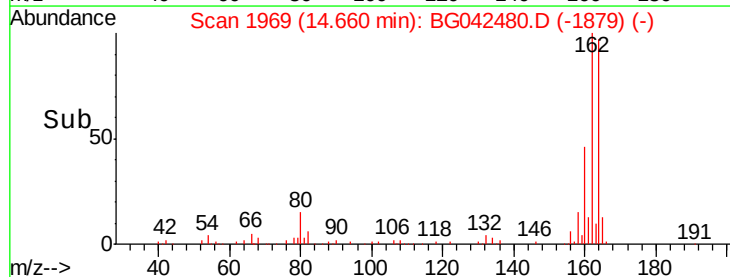
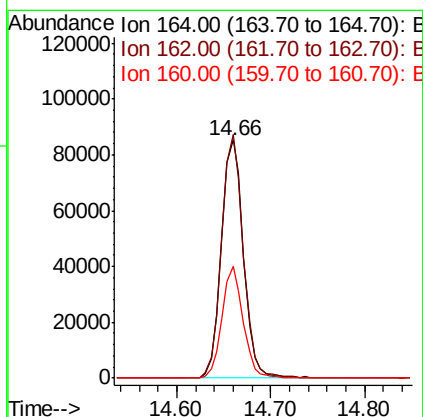
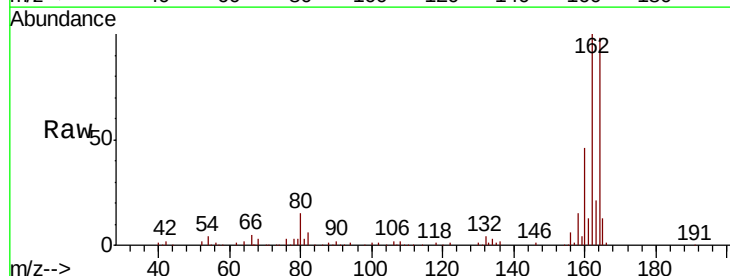
Instrument :
BNA_G
ClientSampleId :
T9-12-13-I-(0-1.9)

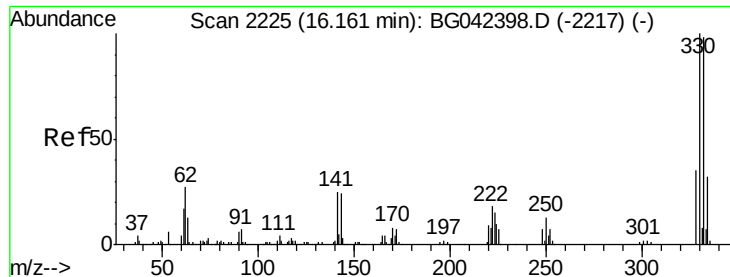
Tot Ion	82	Resp	187398
Ion Ratio	Lower	Upper	
82	100		
128	49.1	40.7	61.1
54	45.4	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion	164	Resp	140184
Ion Ratio	Lower	Upper	
164	100		
162	102.2	79.9	119.9
160	47.1	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 103.517 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

T9-12-13-I-(0-1.9)

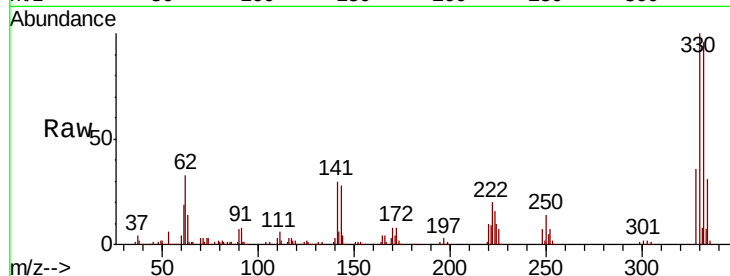
Tot Ion:330 Resp: 206256

Ion Ratio Lower Upper

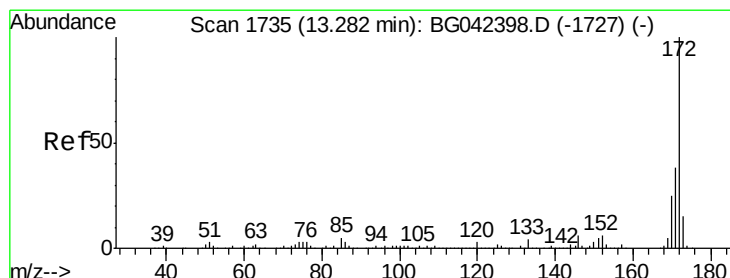
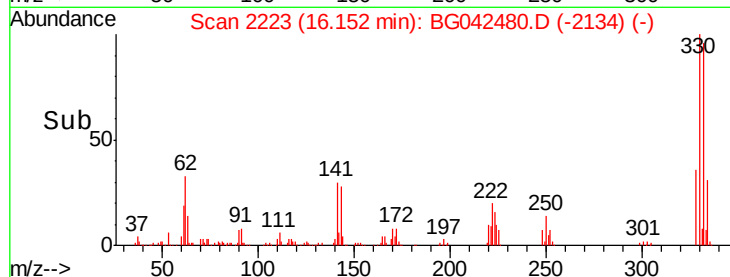
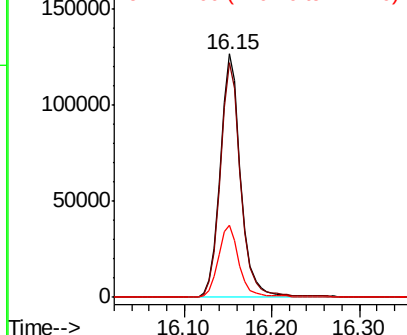
330 100

332 97.2 77.4 116.0

141 30.1 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: 67.024 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

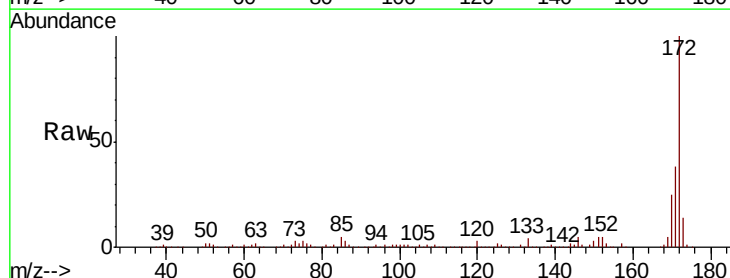
Tgt Ion:172 Resp: 555535

Ion Ratio Lower Upper

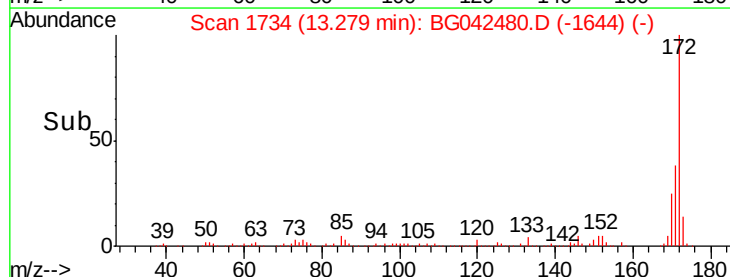
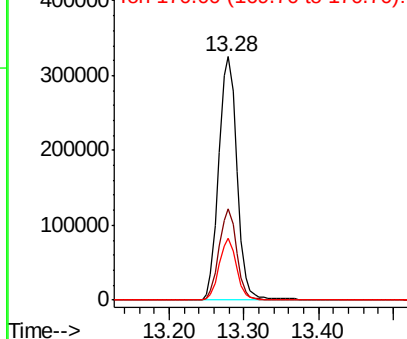
172 100

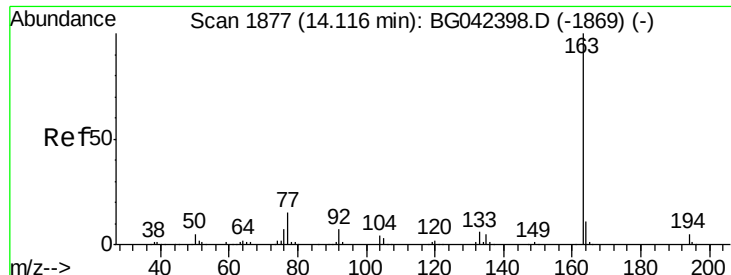
171 37.7 30.5 45.7

170 25.2 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: 9.444 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

T9-12-13-I-(0-1.9)

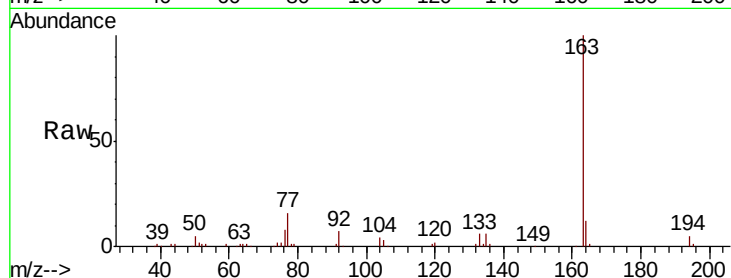
Tot Ion:163 Resp: 95525

Ion Ratio Lower Upper

163 100

194 4.7 4.2 6.2

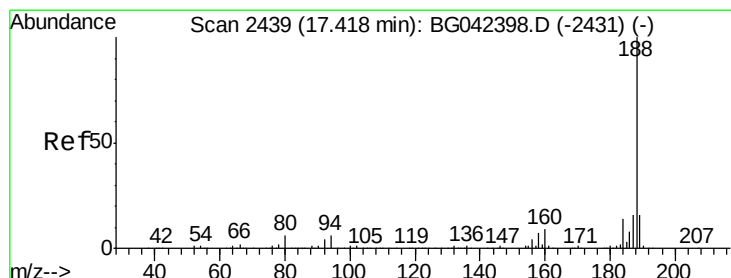
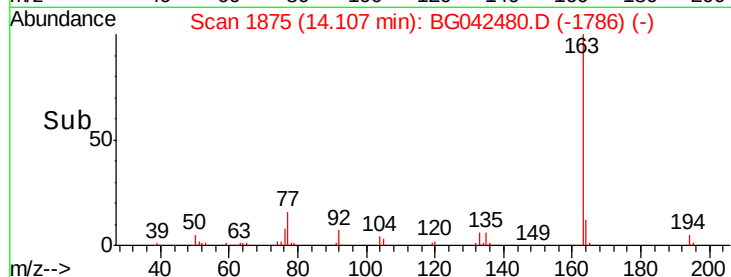
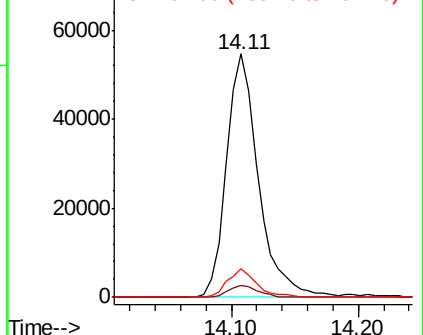
164 11.7 8.8 13.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

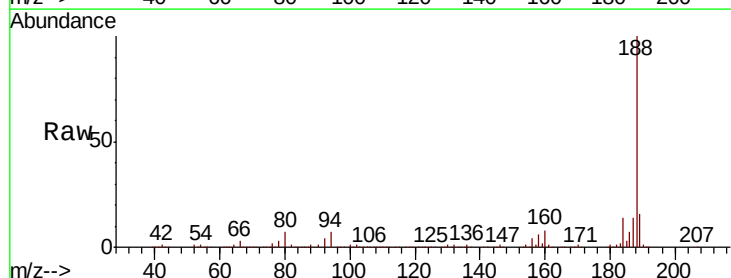
Tgt Ion:188 Resp: 341959

Ion Ratio Lower Upper

188 100

94 6.8 4.5 6.7#

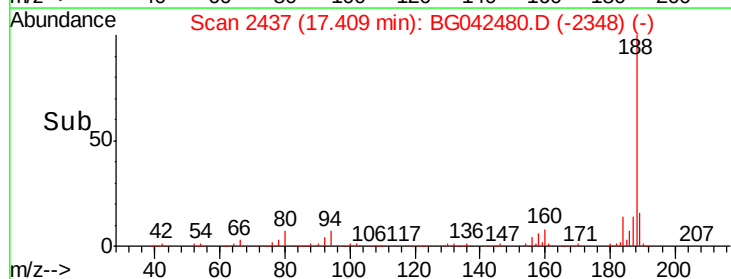
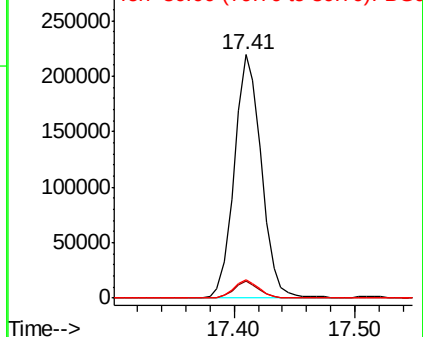
80 7.3 4.9 7.3

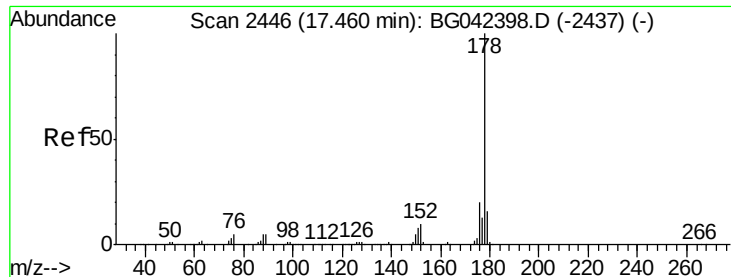


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

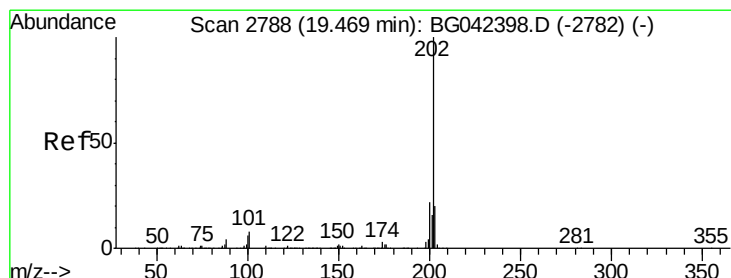
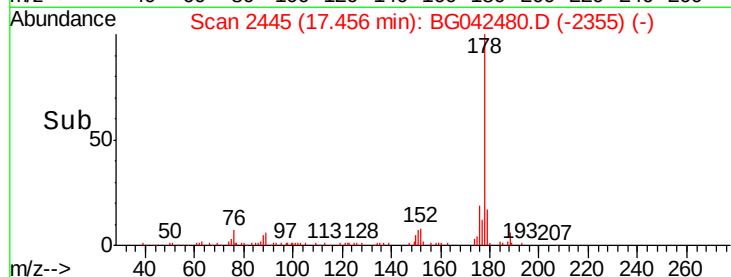
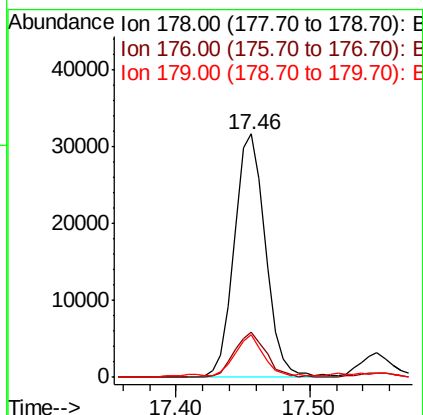
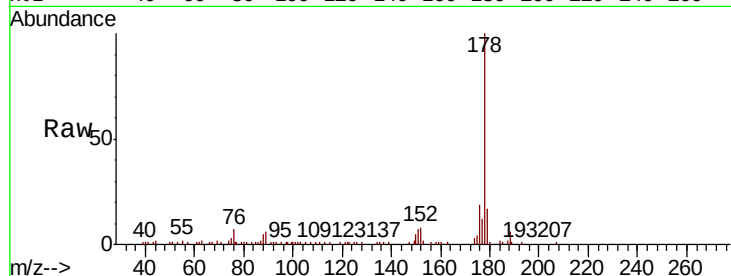




#71
Phenanthrene
Concen: 3.024 ng
RT: 17.46 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

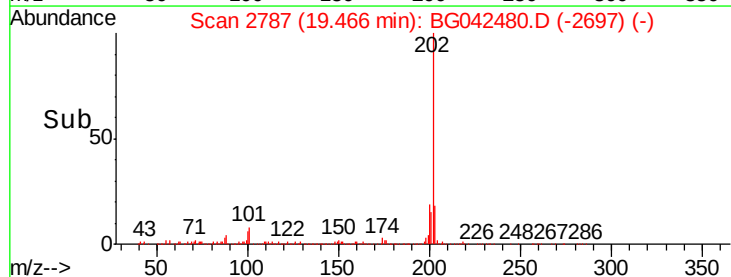
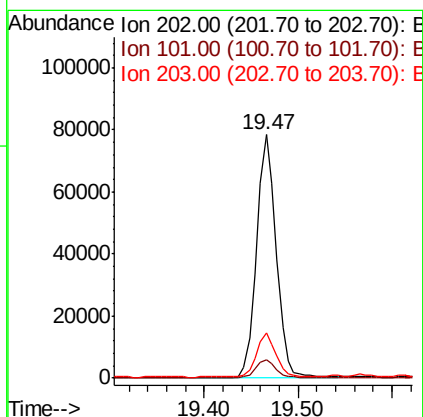
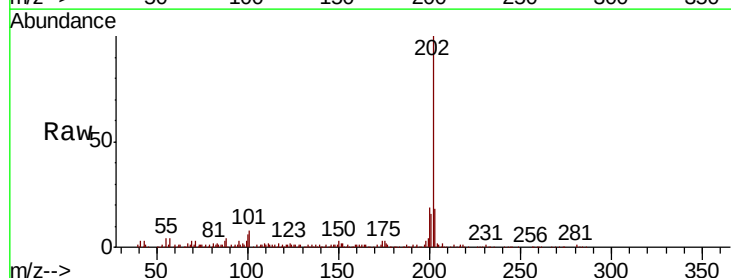
Instrument :
BNA_G
ClientSampleId :
T9-12-13-I-(0-1.9)

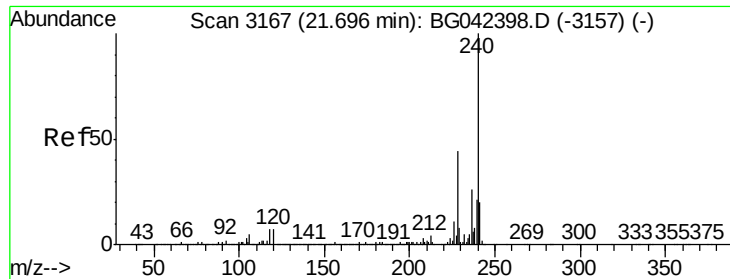
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	17.4	12.7	19.1



#75
Fluoranthene
Concen: 5.498 ng
RT: 19.47 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.3
203	18.4	0.0	39.6

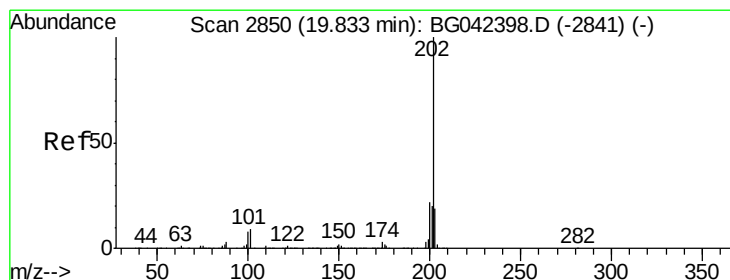
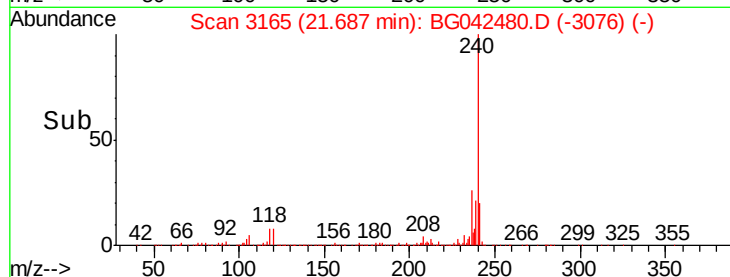
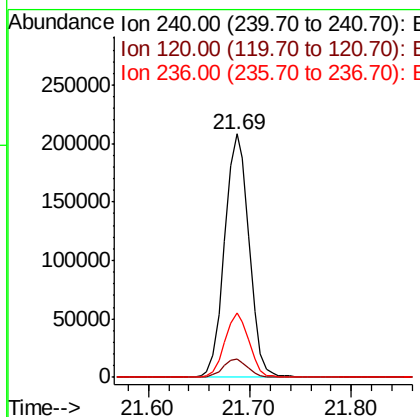
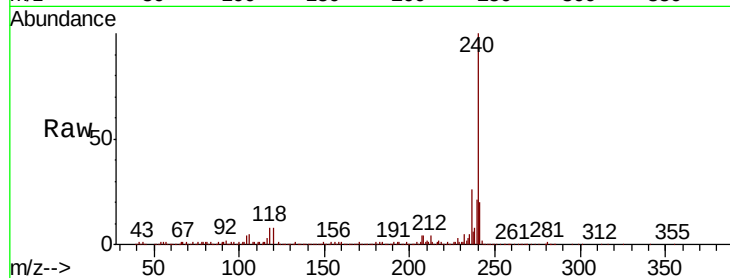




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

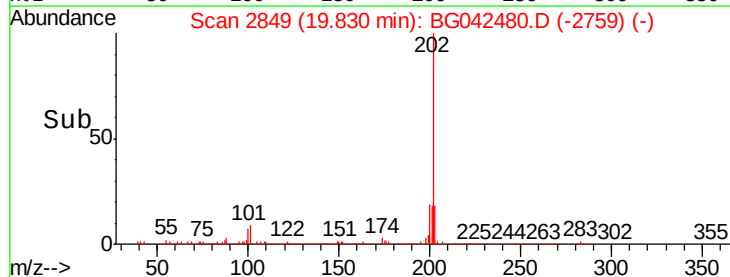
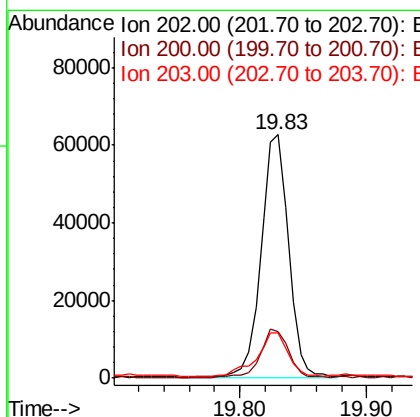
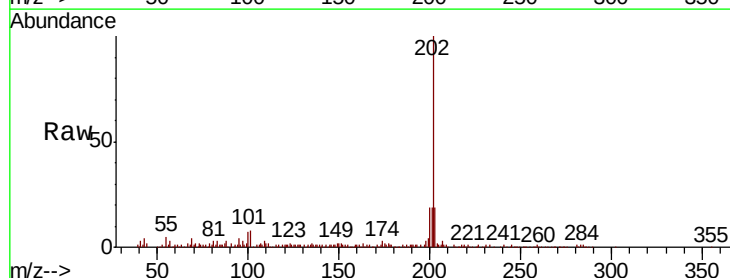
Instrument :
BNA_G
ClientSampleId :
T9-12-13-I-(0-1.9)

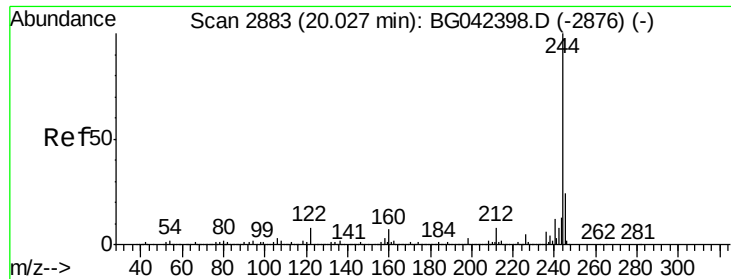
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.7	8.5
236	26.4	21.0	31.4



#78
Pyrene
Concen: 4.382 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	17.8	26.6
203	18.7	15.5	23.3





#79

Terphenyl-d14

Concen: 61.418 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

T9-12-13-I-(0-1.9)

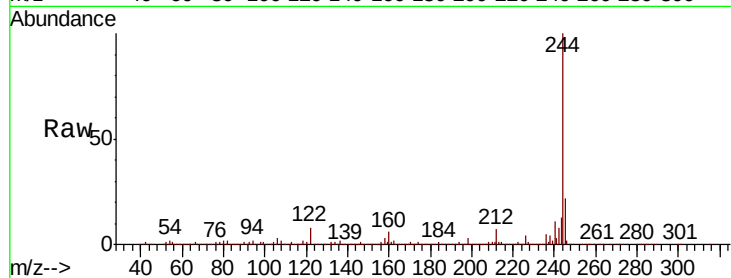
Tot Ion:244 Resp: 991715

Ion Ratio Lower Upper

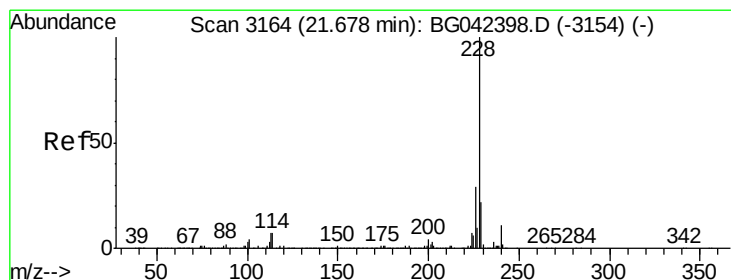
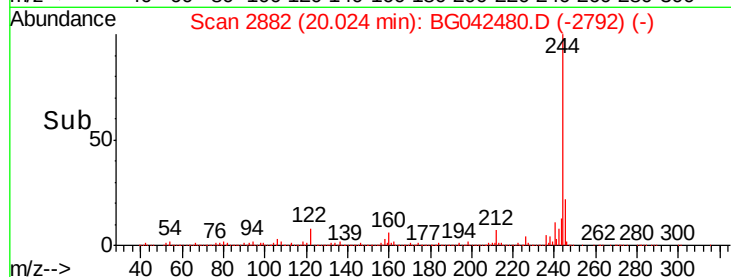
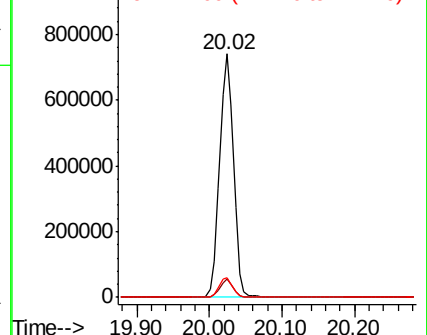
244 100

212 7.3 6.0 9.0

122 8.0 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: 2.108 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

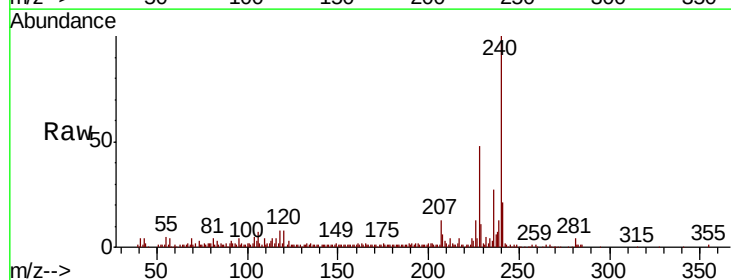
Tgt Ion:228 Resp: 44763

Ion Ratio Lower Upper

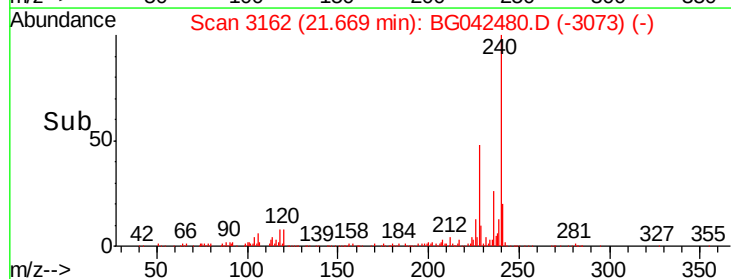
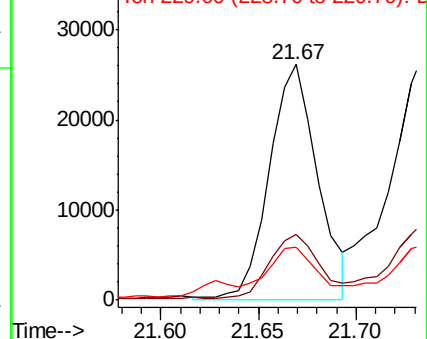
228 100

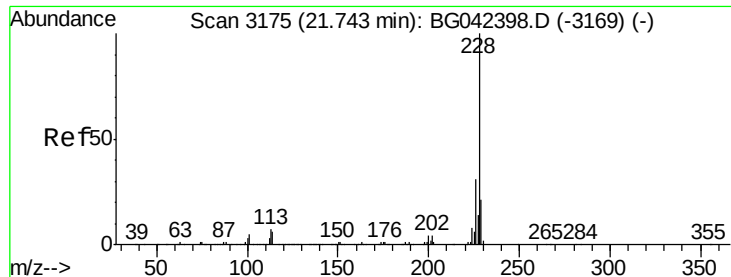
226 27.7 23.4 35.2

229 22.6 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

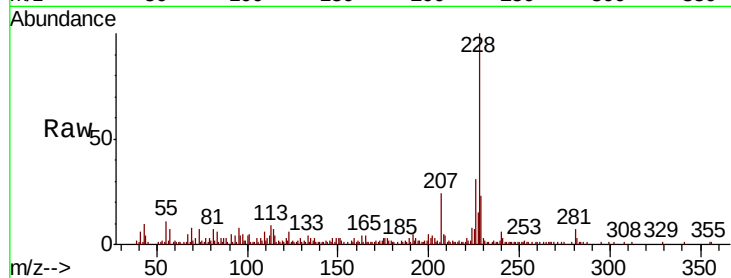




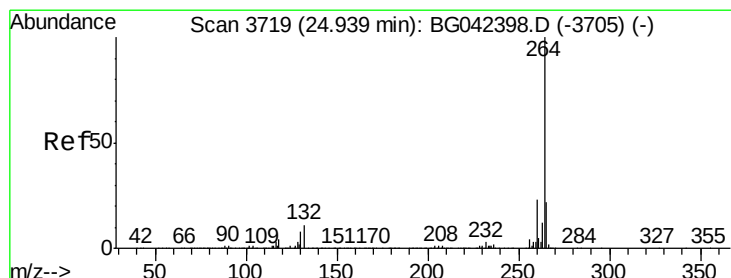
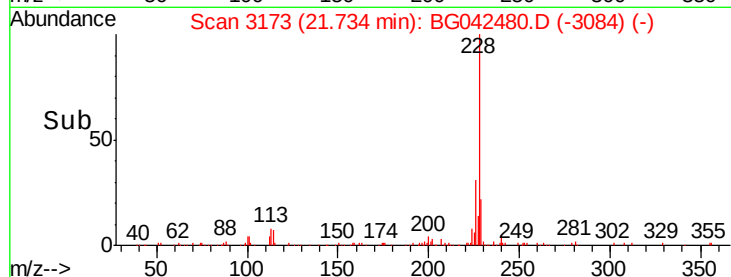
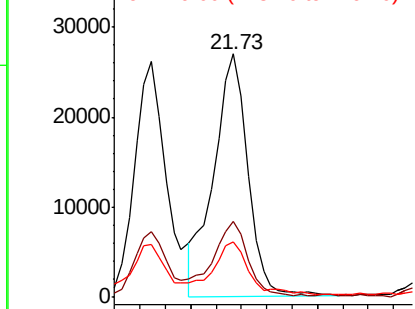
#83
Chrysene
Concen: 2.483 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Instrument :
BNA_G
ClientSampleId :
T9-12-13-I-(0-1.9)

Tot Ion:228 Resp: 50842
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 22.7 16.9 25.3

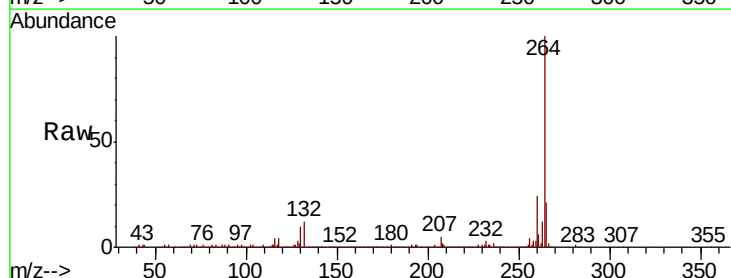


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

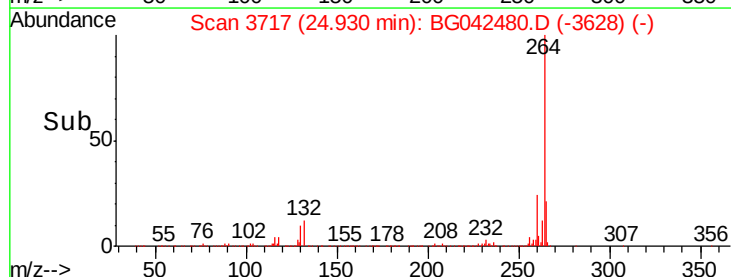
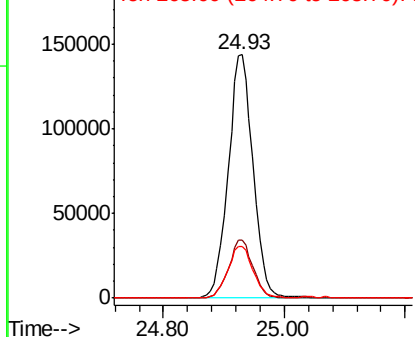


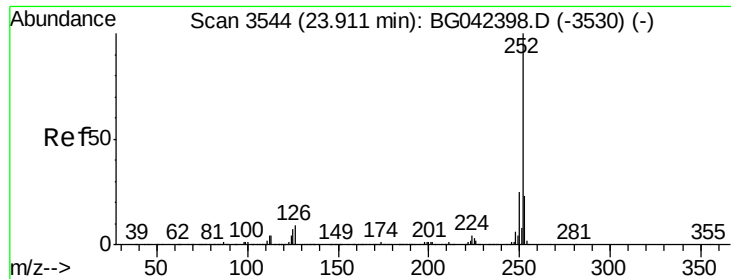
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion:264 Resp: 409234
Ion Ratio Lower Upper
264 100
260 23.8 18.5 27.7
265 21.4 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

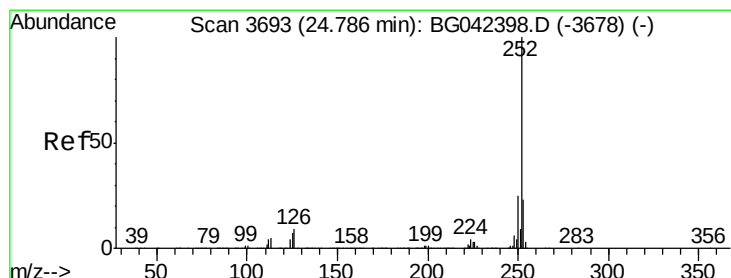
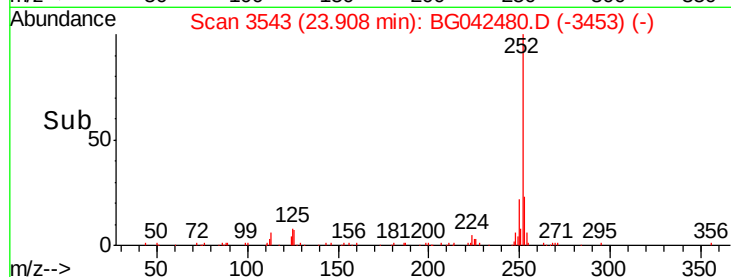
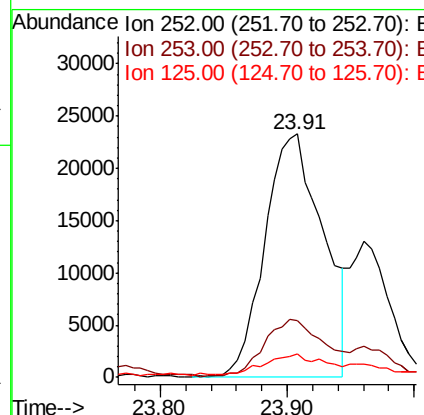
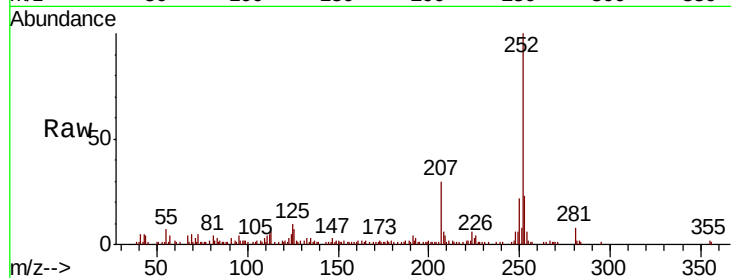




#88
Benzo(b)fluoranthene
Concen: 3.299 ng
RT: 23.91 min Scan# 3543
Delta R.T. -0.00 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Instrument :
BNA_G
ClientSampleId :
T9-12-13-I-(0-1.9)

Tot Ion:252 Resp: 74214
Ion Ratio Lower Upper
252 100
253 23.4 18.6 27.8
125 9.6 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 2.439 ng
RT: 24.78 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion:252 Resp: 52070
Ion Ratio Lower Upper
252 100
253 20.7 18.4 27.6
125 8.1 6.0 9.0

