

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046393.D
 Acq On : 21 Aug 2020 1:19
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02046

Quant Time: Aug 21 08:07:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 04:43:40 2020
 Response via : Initial Calibration

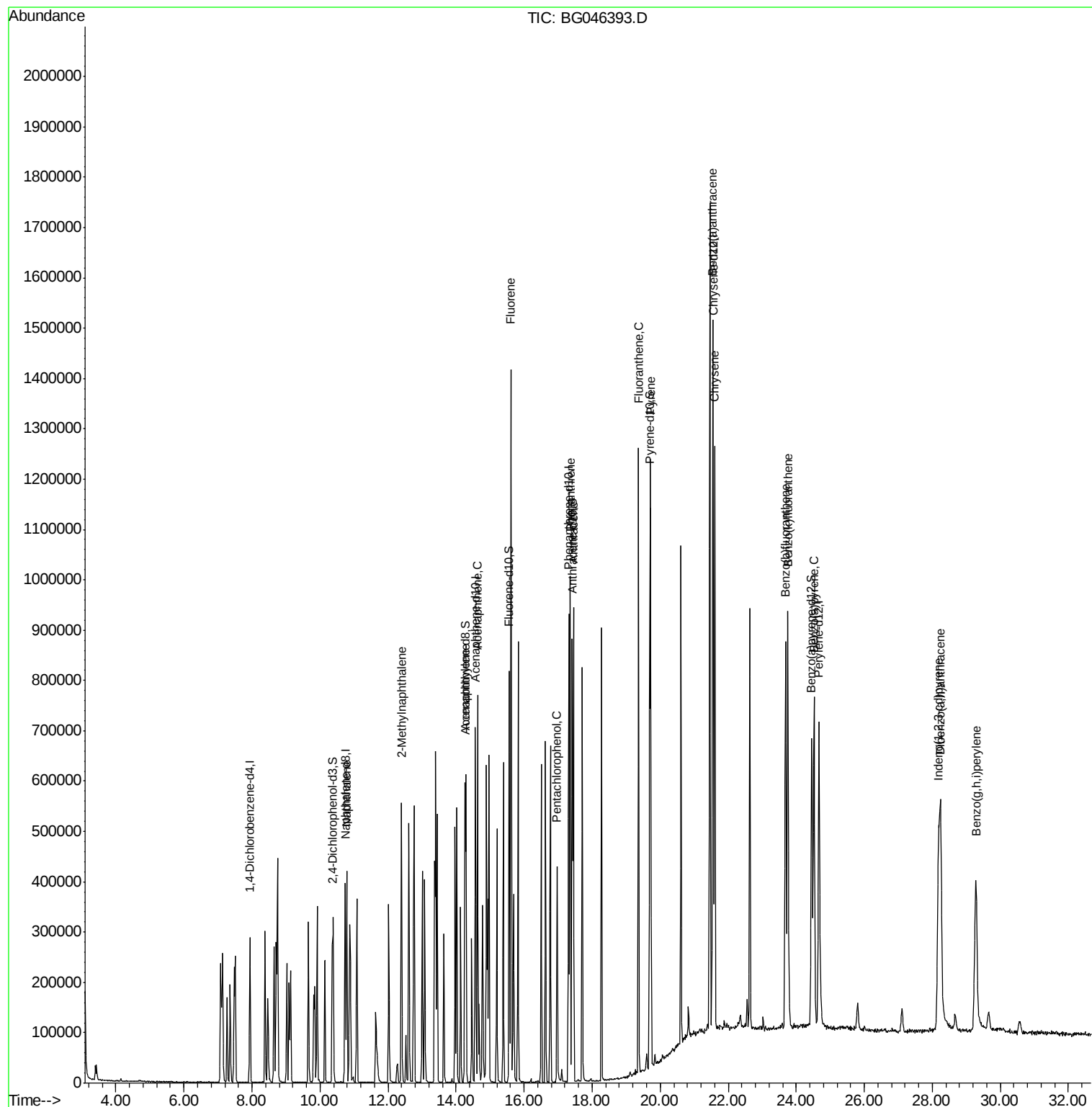
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	87860	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	358583	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	250701	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	598883	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	612639	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	629533	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	126953	20.56	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	452518	19.61	ng/ul	0.00
10) Fluorene-d10	15.56	176	350338	19.82	ng/ul	0.00
15) Anthracene-d10	17.41	188	541986	19.52	ng/ul	0.00
19) Pyrene-d10	19.69	212	621370	19.70	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	673977	19.62	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	367466	19.701	ng/ul	100
5) 2-Methylnaphthalene	12.40	142	285160	20.055	ng/ul	98
8) Acenaphthylene	14.29	152	458687	19.554	ng/ul	100
9) Acenaphthene	14.63	153	324423	19.368	ng/ul	98
11) Fluorene	15.61	166	392215	20.026	ng/ul	99
13) Pentachlorophenol	16.97	266	98232	19.832	ng/ul	98
14) Phenanthrene	17.35	178	635386	19.285	ng/ul	99
16) Anthracene	17.45	178	644198	19.378	ng/ul	98
17) Fluoranthene	19.36	202	784709	21.360	ng/ul	99
20) Pyrene	19.73	202	776631	19.312	ng/ul	97
21) Benzo(a)anthracene	21.54	228	775520	19.456	ng/ul	99
22) Chrysene	21.60	228	751516	19.503	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	819334	19.681	ng/ul	98
25) Benzo(k)fluoranthene	23.75	252	820499	19.869	ng/ul	99
27) Benzo(a)pyrene	24.52	252	736391	19.268	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.19	276	883873	18.470	ng/ul	99
29) Dibenzo(a,h)anthracene	28.24	278	754053	19.434	ng/ul	99
30) Benzo(g,h,i)perylene	29.29	276	677670	16.921	ng/ul	100

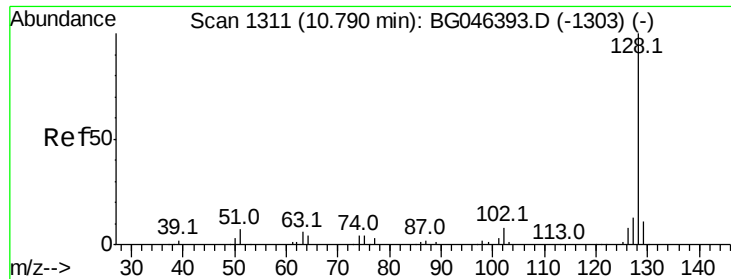
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 21 04:43:40 2020
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#4

Naphthalene

Concen: 19.701 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

Instrument :

BNA_G

ClientSampleId :

SSTD02046

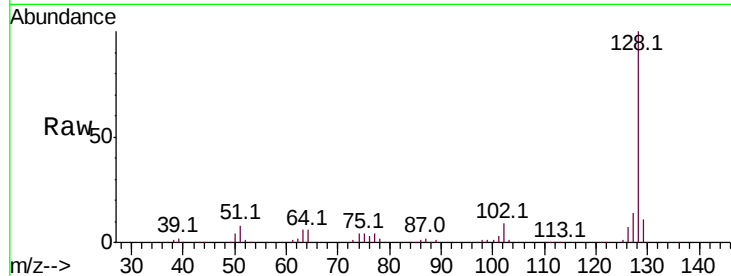
Tot Ion:128 Resp: 367466

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

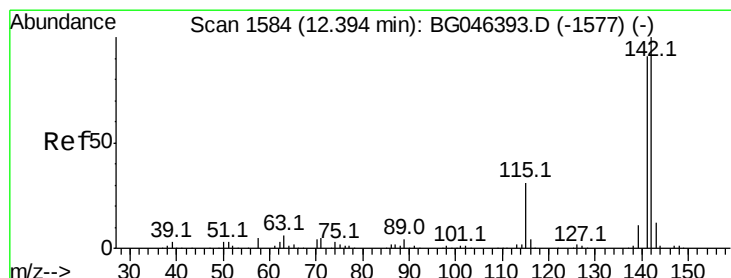
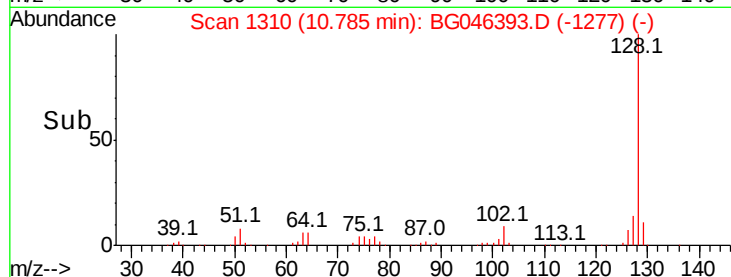
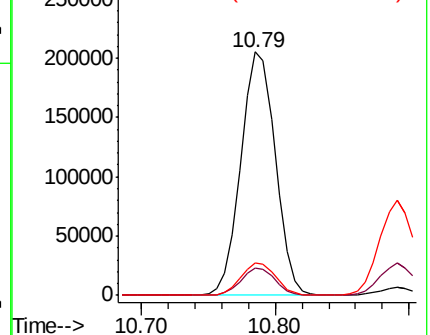
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 20.055 ng/ul

RT: 12.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BG046393.D

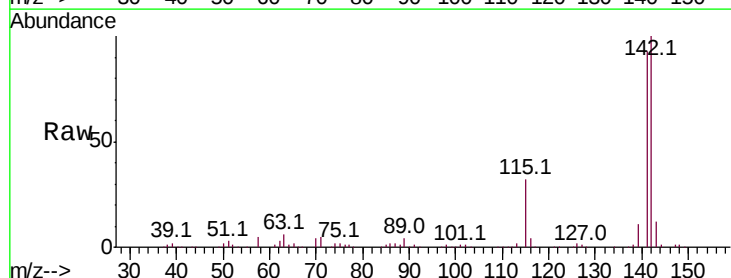
Acq: 21 Aug 2020 1:19

Tgt Ion:142 Resp: 285160

Ion Ratio Lower Upper

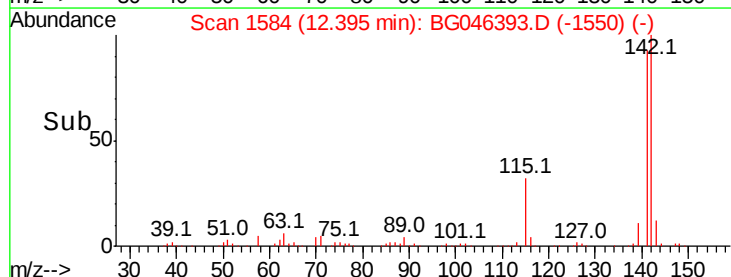
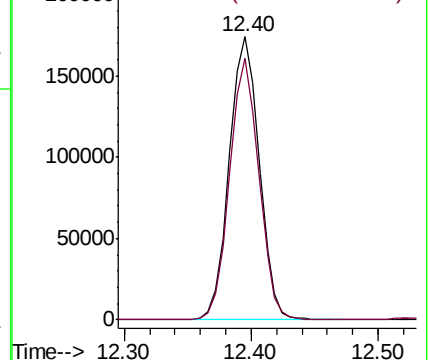
142 100

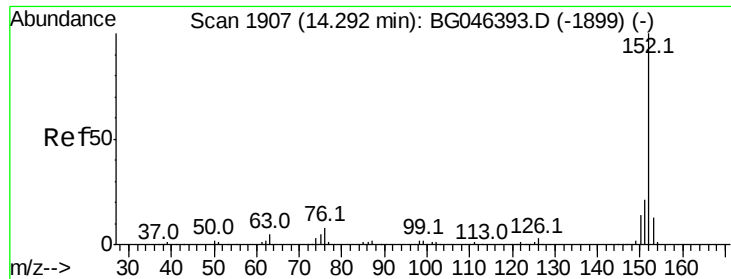
141 92.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.554 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

Instrument :

BNA_G

ClientSampleId :

SSTD02046

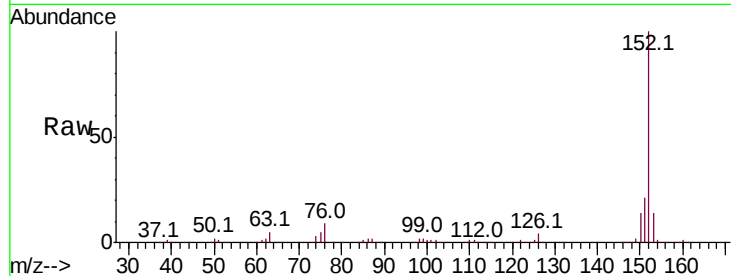
Tot Ion:152 Resp: 458687

Ion Ratio Lower Upper

152 100

151 20.8 16.5 24.7

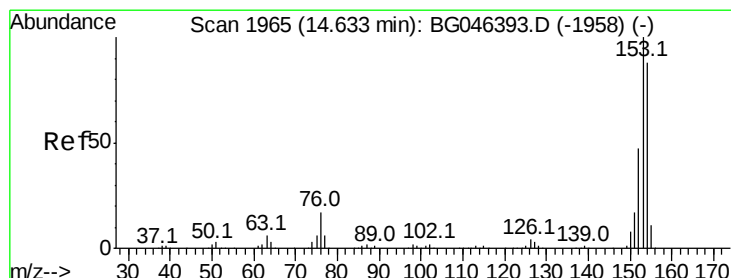
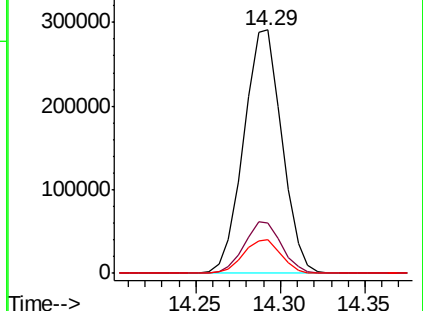
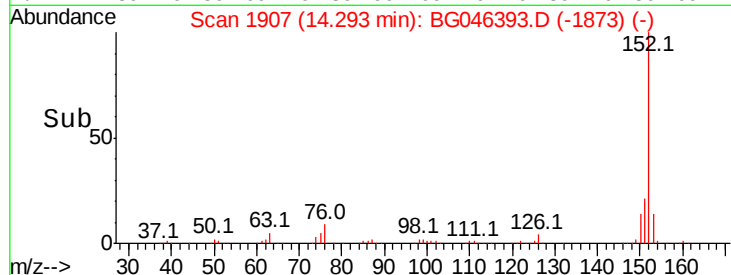
153 13.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 19.368 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

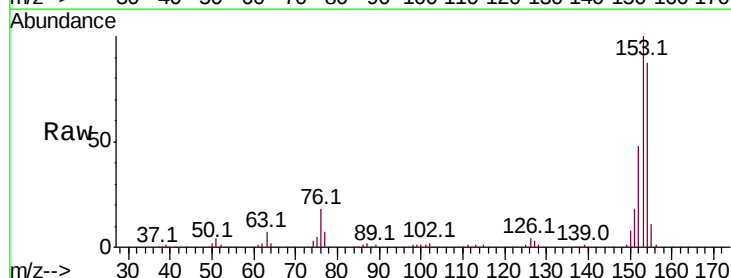
Tgt Ion:153 Resp: 324423

Ion Ratio Lower Upper

153 100

152 47.8 37.2 55.8

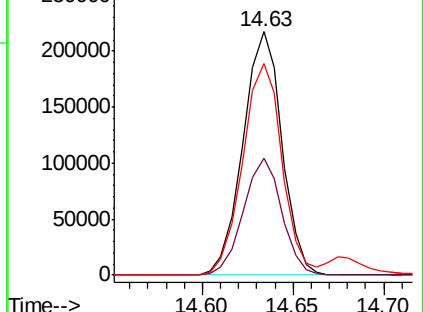
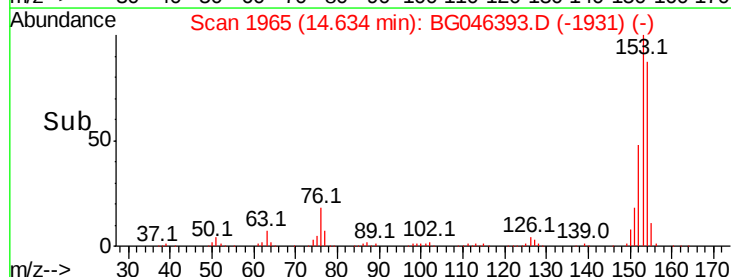
154 86.8 67.8 101.6

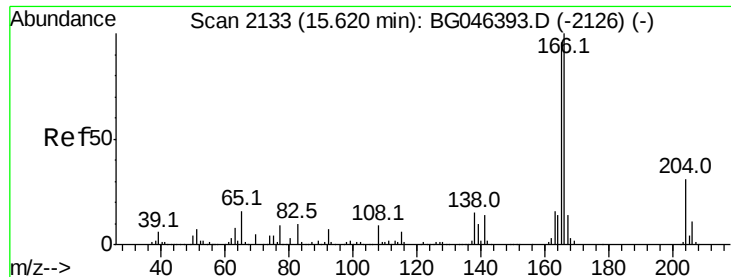


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

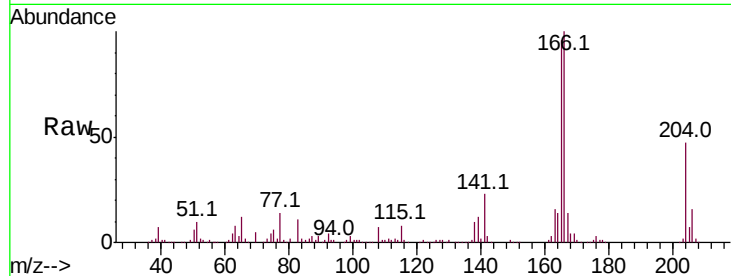




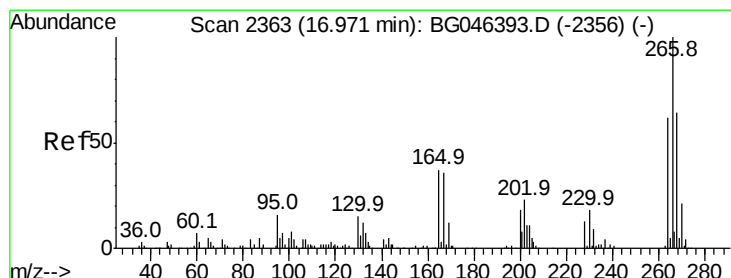
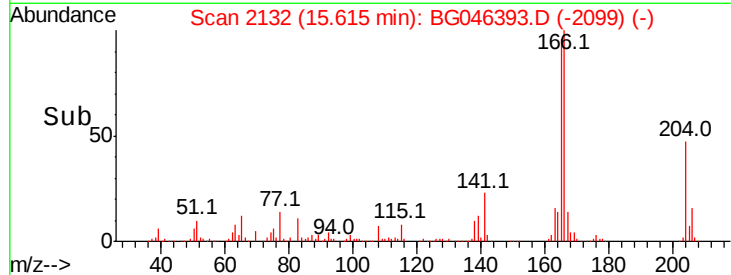
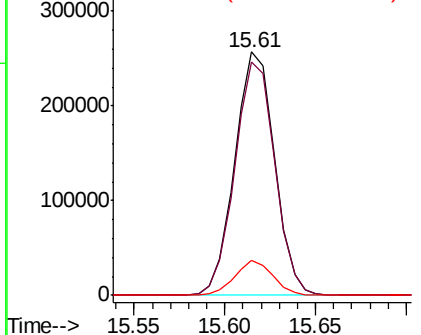
#11
Fluorene
 Concen: 20.026 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046393.D
 Acq: 21 Aug 2020 1:19

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02046

Tot Ion:166 Resp: 392215
 Ion Ratio Lower Upper
 166 100
 165 95.8 75.9 113.9
 167 14.1 10.7 16.1

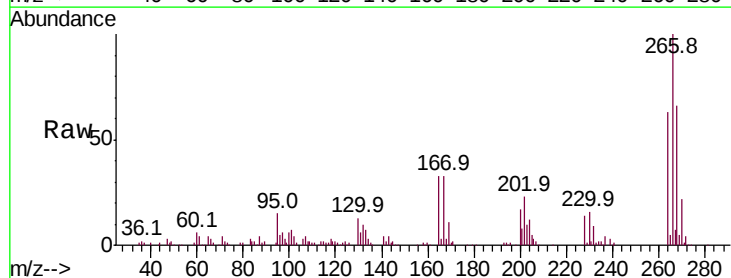


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

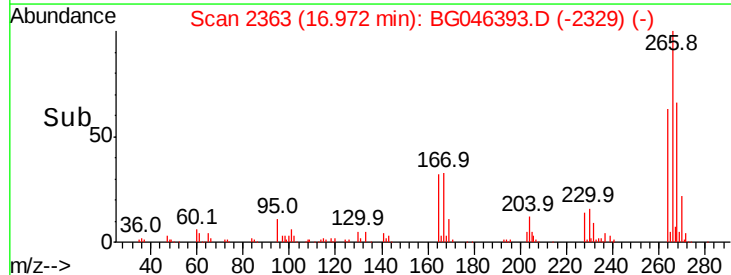
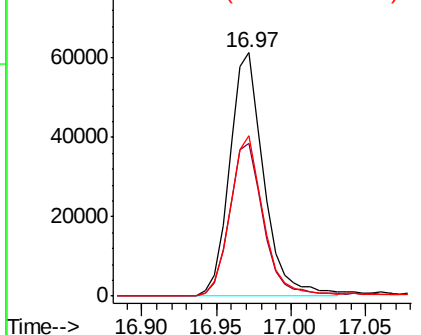


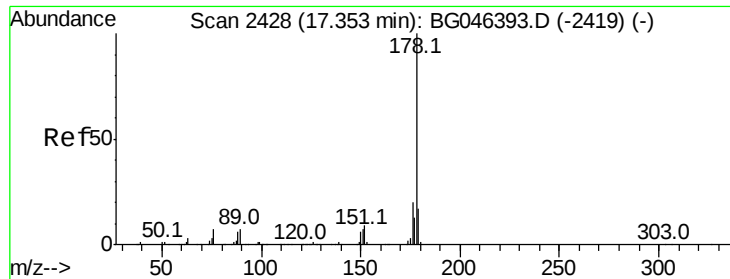
#13
Pentachlorophenol
 Concen: 19.832 ng/ul
 RT: 16.97 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: BG046393.D
 Acq: 21 Aug 2020 1:19

Tgt Ion:266 Resp: 98232
 Ion Ratio Lower Upper
 266 100
 264 62.8 50.2 75.2
 268 65.7 49.7 74.5



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

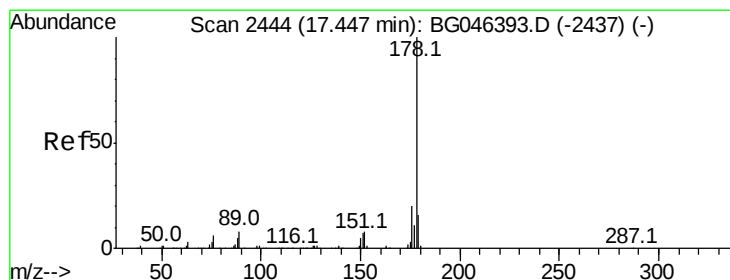
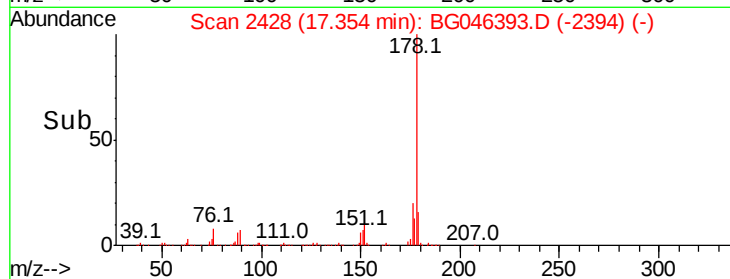
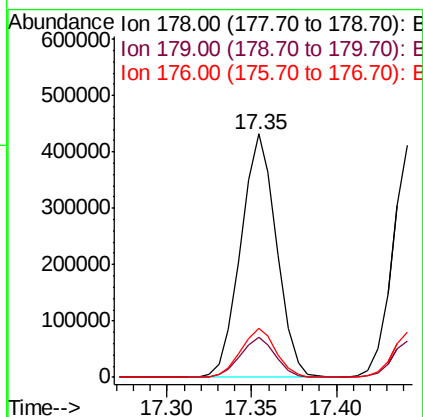
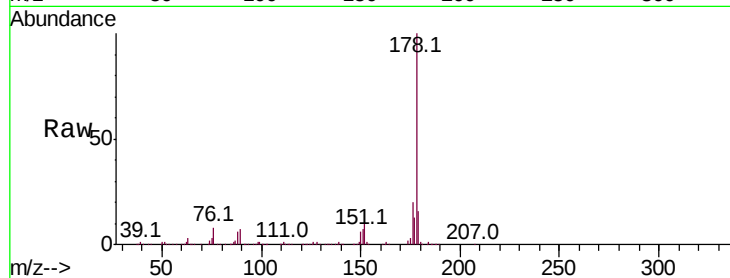




#14
Phenanthrene
Concen: 19.285 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046393.D
Acq: 21 Aug 2020 1:19

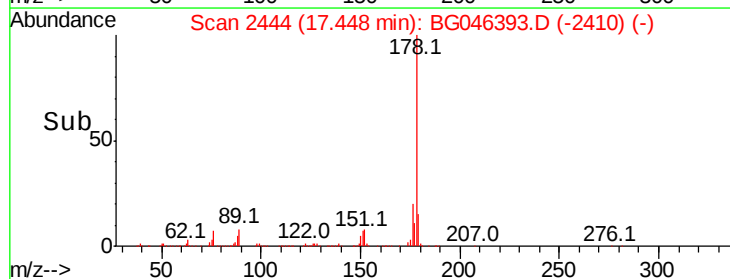
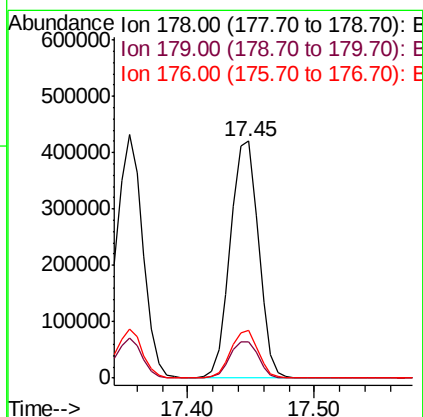
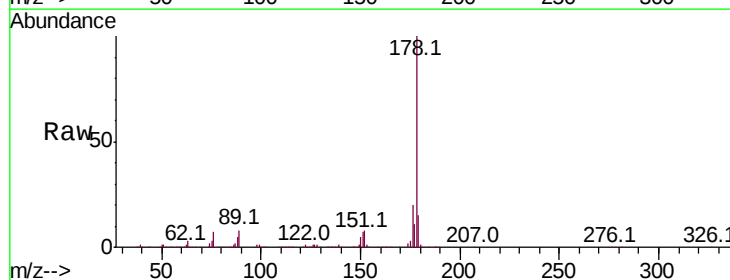
Instrument :
BNA_G
ClientSampleId :
SSTD02046

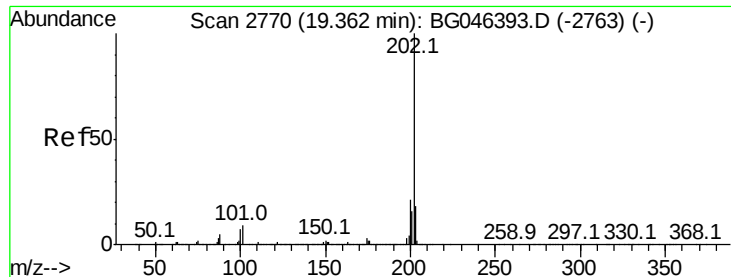
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.8	19.2
176	20.3	15.8	23.8



#16
Anthracene
Concen: 19.378 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. 0.00 min
Lab File: BG046393.D
Acq: 21 Aug 2020 1:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.2	19.8
176	19.9	15.2	22.8

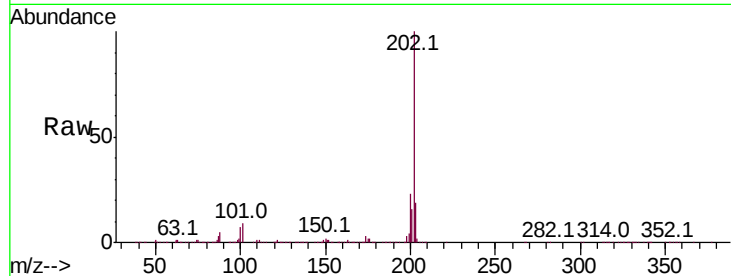




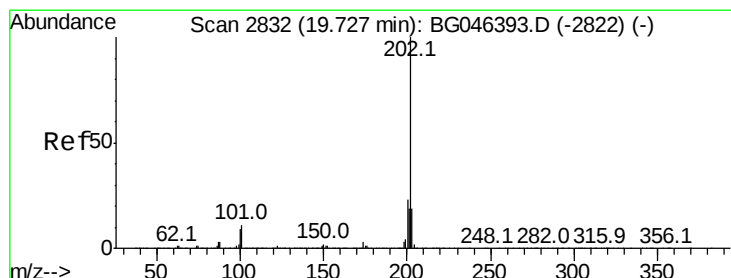
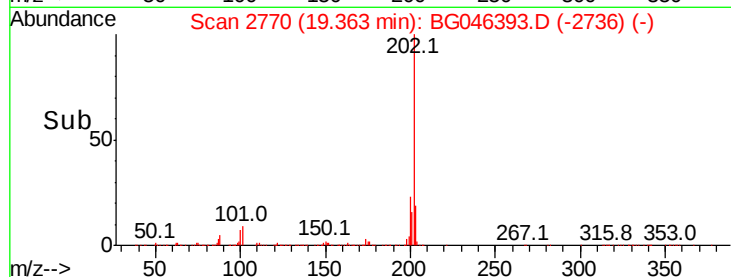
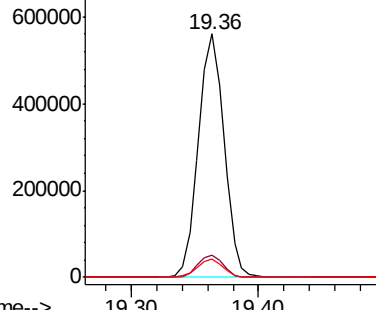
#17
Fluoranthene
 Concen: 21.360 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046393.D
 Acq: 21 Aug 2020 1:19

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion:	202	Resp:	784709
Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.8	11.6
100	7.3	5.9	8.9

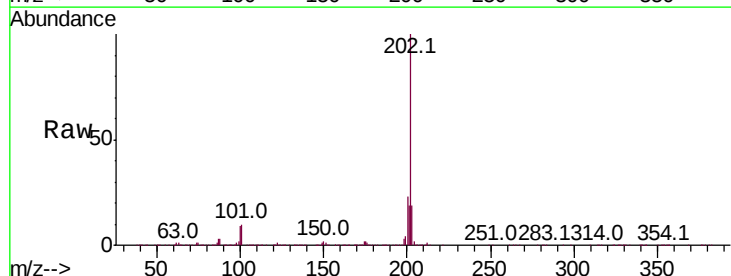


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

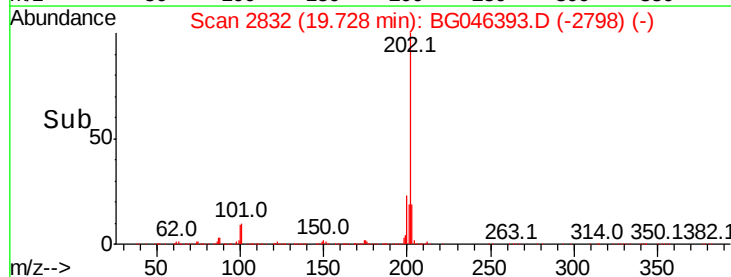
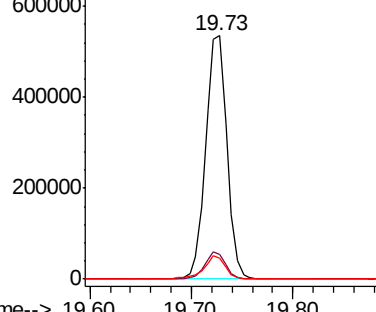


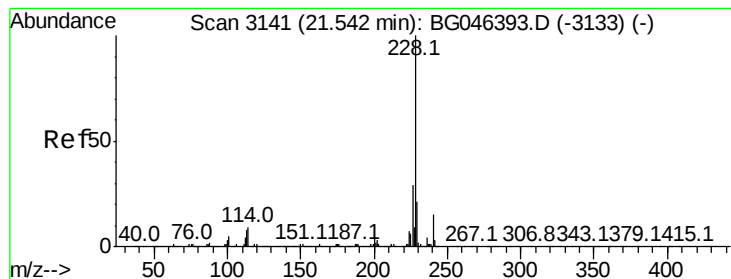
#20
Pyrene
 Concen: 19.312 ng/ul
 RT: 19.73 min Scan# 2832
 Delta R.T. 0.00 min
 Lab File: BG046393.D
 Acq: 21 Aug 2020 1:19

Tgt Ion:	202	Resp:	776631
Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.9	13.3
100	8.5	7.9	11.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.456 ng/ul

RT: 21.54 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

Instrument :

BNA_G

ClientSampleId :

SSTD02046

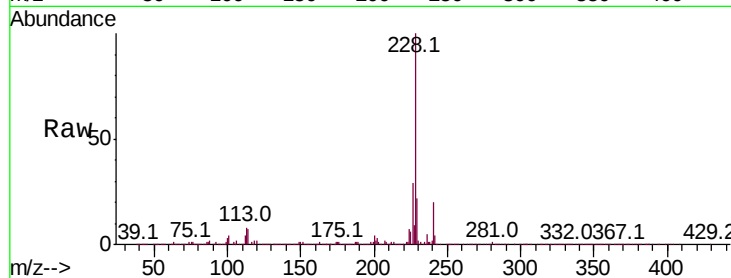
Tot Ion:228 Resp: 775520

Ion Ratio Lower Upper

228 100

229 21.6 16.6 25.0

226 28.8 22.6 33.8

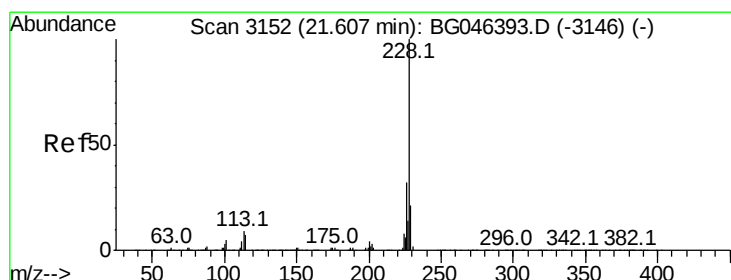
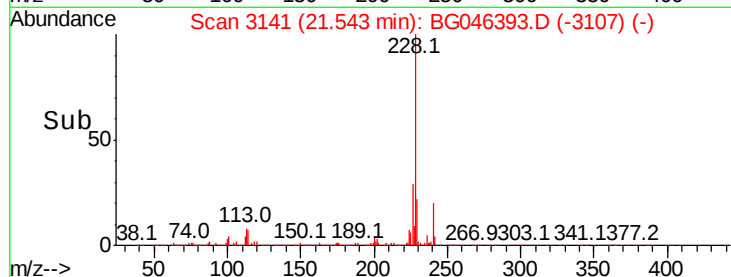
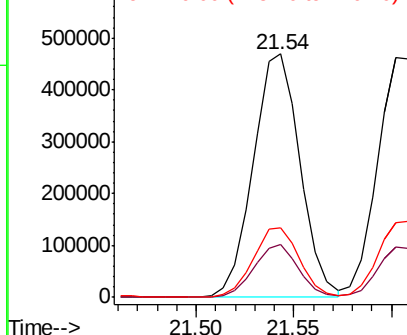


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 19.503 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

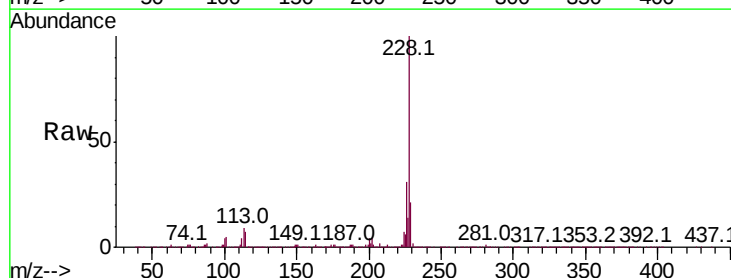
Tgt Ion:228 Resp: 751516

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

229 21.1 17.0 25.4

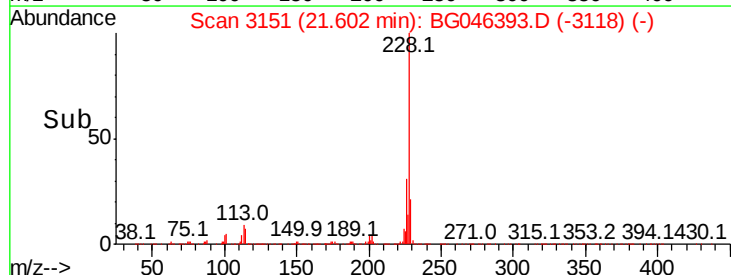
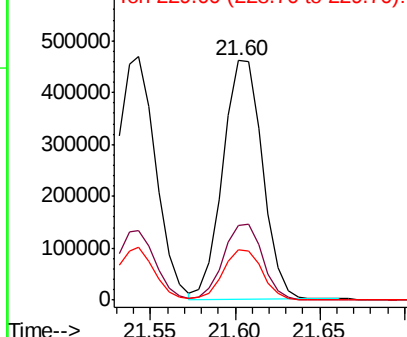


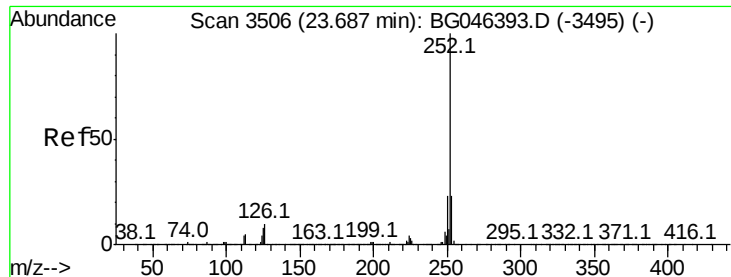
Abundance

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





#24

Benzo(b)fluoranthene

Concen: 19.681 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

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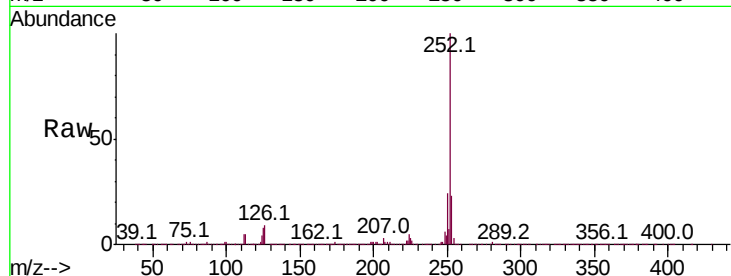
Tot Ion:252 Resp: 819334

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

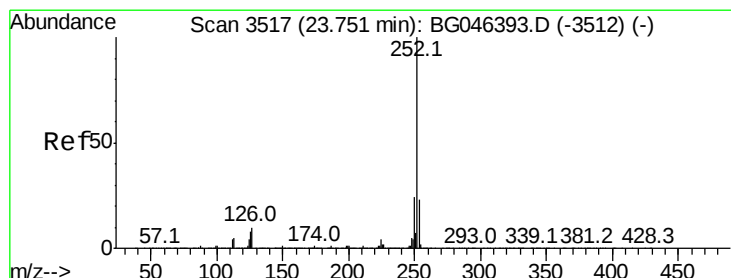
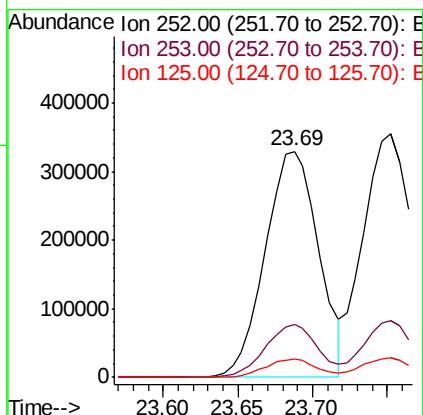
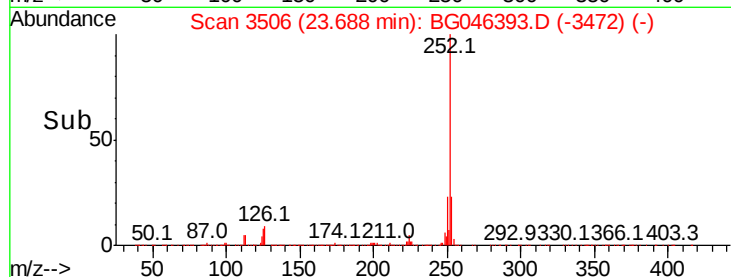
125 8.3 6.4 9.6



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



#25

Benzo(k)fluoranthene

Concen: 19.869 ng/ul

RT: 23.75 min Scan# 3517

Delta R.T. 0.00 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

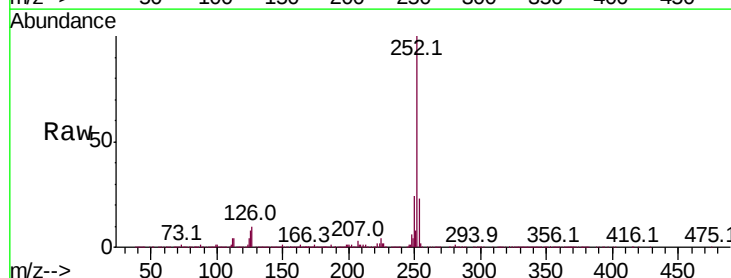
Tgt Ion:252 Resp: 820499

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

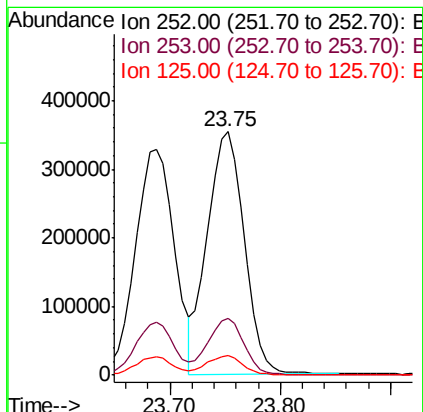
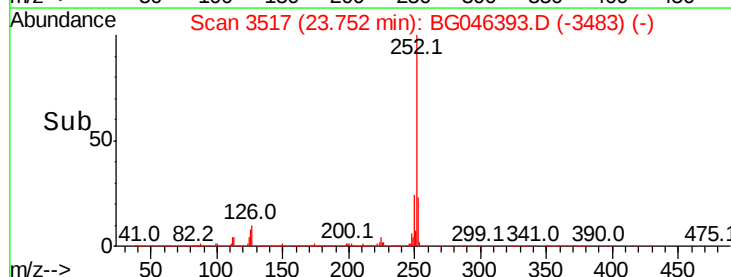
125 8.2 6.2 9.2

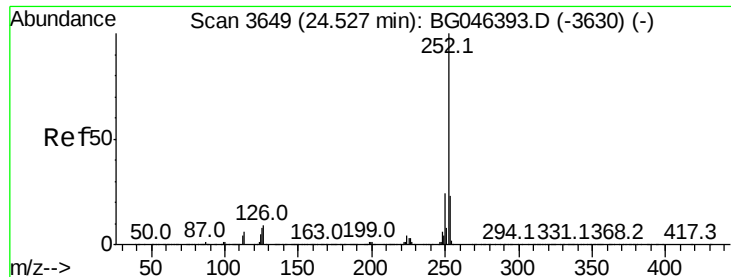


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 19.268 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

Instrument :

BNA_G

ClientSampleId :

SSTD02046

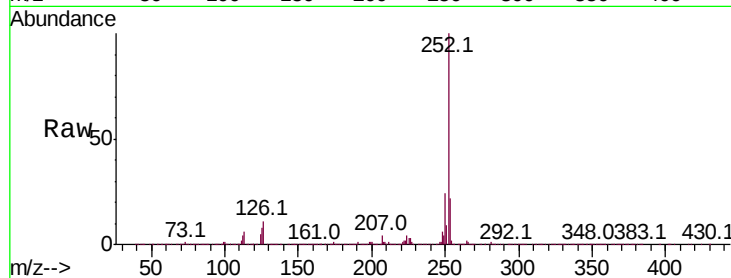
Tot Ion:252 Resp: 736391

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

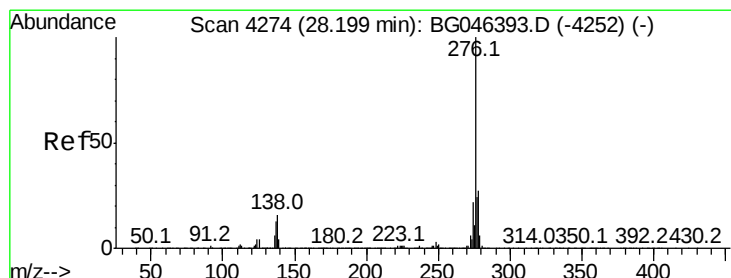
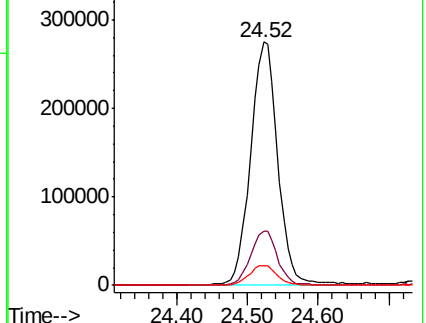
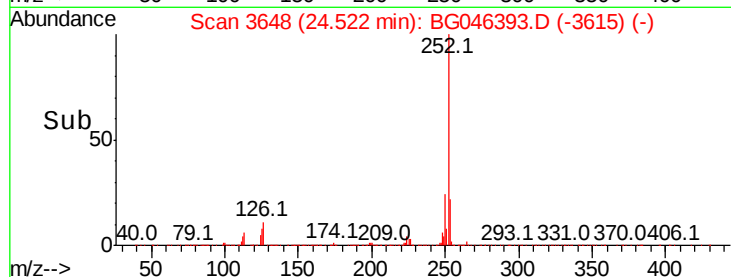
125 8.1 7.1 10.7



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 18.470 ng/ul

RT: 28.19 min Scan# 4272

Delta R.T. -0.01 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

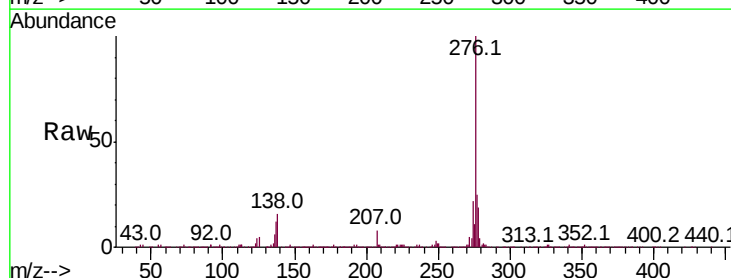
Tgt Ion:276 Resp: 883873

Ion Ratio Lower Upper

276 100

138 16.2 13.2 19.8

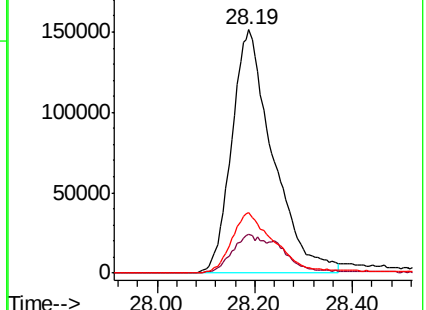
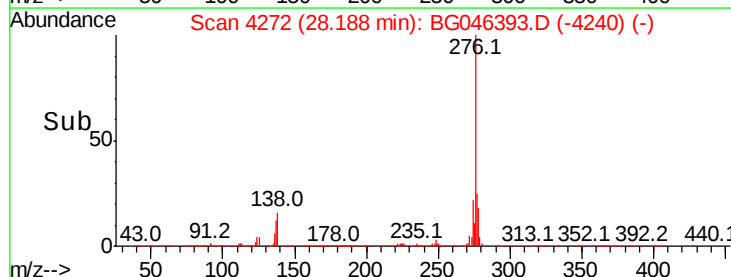
277 25.1 19.9 29.9

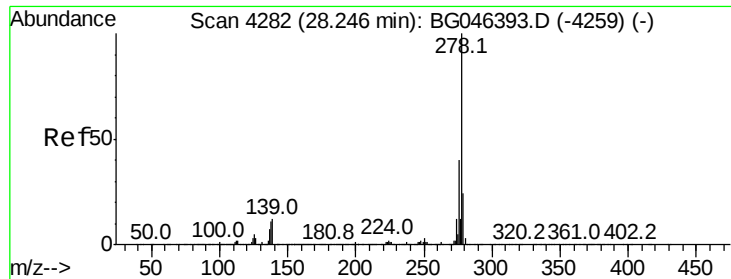


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.434 ng/ul

RT: 28.24 min Scan# 4281

Delta R.T. -0.01 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

Instrument :

BNA_G

ClientSampleId :

SSTD02046

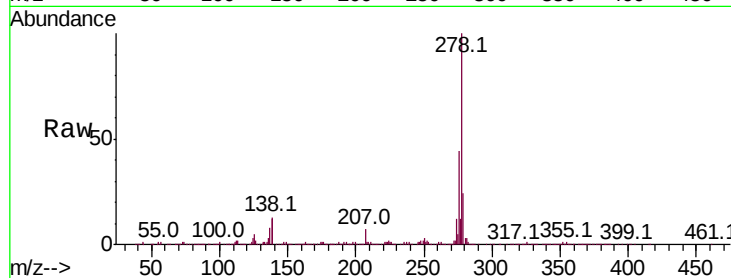
Tot Ion:278 Resp: 754053

Ion Ratio Lower Upper

278 100

139 11.7 9.8 14.8

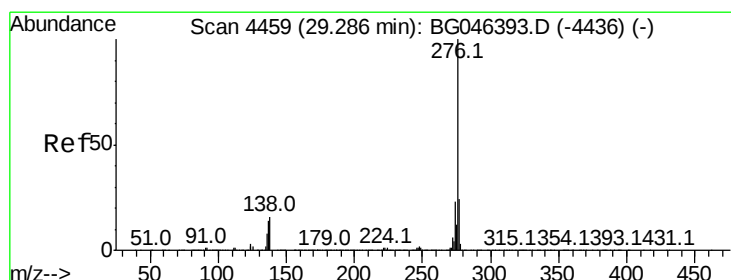
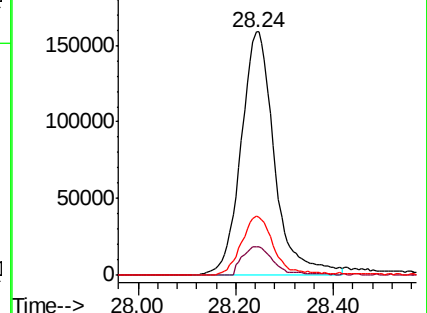
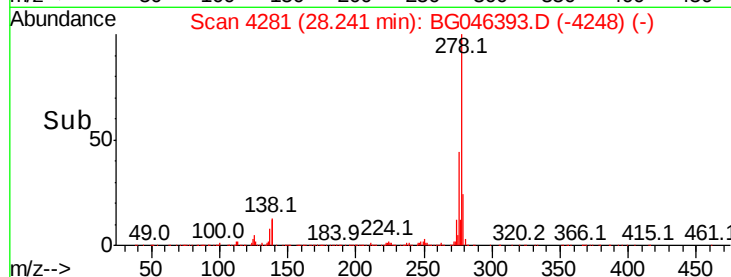
279 24.3 19.7 29.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 16.921 ng/ul

RT: 29.29 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BG046393.D

Acq: 21 Aug 2020 1:19

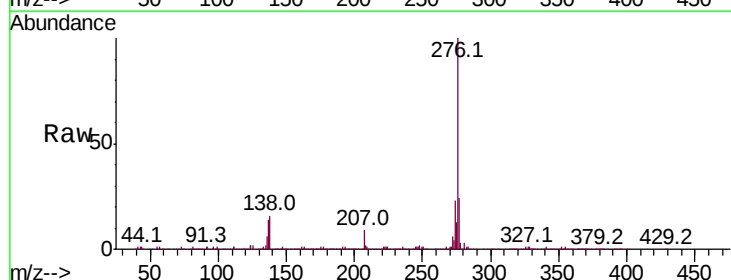
Tgt Ion:276 Resp: 677670

Ion Ratio Lower Upper

276 100

138 16.1 12.9 19.3

277 23.9 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

