

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014603.D
 Acq On : 16 Mar 2018 09:45
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02053

Quant Time: Mar 16 23:27:25 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:09:29 2018
 Response via : Initial Calibration

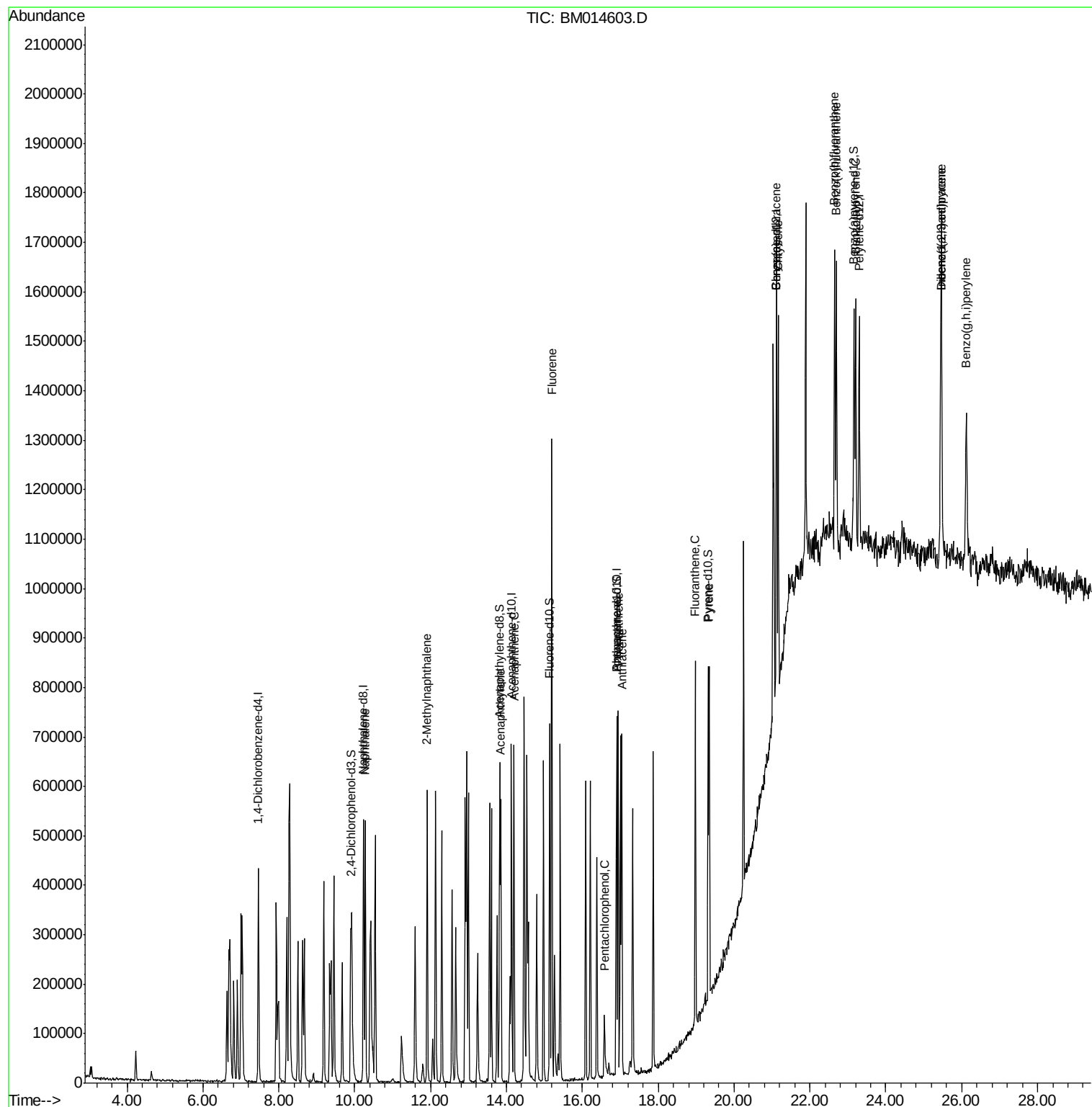
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	94776	20.00	ng/ul	0.00
2) Naphthalene-d8	10.23	136	368290	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	184060	20.00	ng/ul	0.01
12) Phenanthrene-d10	16.90	188	367204	20.00	ng/ul	0.01
18) Chrysene-d12	21.13	240	287029	20.00	ng/ul	0.01
23) Perylene-d12	23.30	264	293963	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	111376	19.57	ng/ul	0.00
7) Acenaphthylene-d8	13.82	160	381026	19.37	ng/ul	0.01
10) Fluorene-d10	15.14	176	246964	19.16	ng/ul	0.01
15) Anthracene-d10	16.90	188	367204	20.89	ng/ul	-0.09
19) Pyrene-d10	19.32	212	300496	17.42	ng/ul	0.01
26) Benzo(a)pyrene-d12	23.16	264	266281	18.72	ng/ul	0.02
Target Compounds				Qvalue		
4) Naphthalene	10.28	128	355684	19.015	ng/ul	99
5) 2-Methylnaphthalene	11.91	142	245478	18.755	ng/ul	96
8) Acenaphthylene	13.85	152	352713	19.318	ng/ul	98
9) Acenaphthene	14.20	153	236281	18.910	ng/ul	89
11) Fluorene	15.19	166	270397	18.261	ng/ul	99
13) Pentachlorophenol	16.58	266	25490	15.164	ng/ul	94
14) Phenanthrene	16.94	178	385835	18.762	ng/ul	97
16) Anthracene	17.04	178	377757	18.376	ng/ul	99
17) Fluoranthene	18.98	202	378103	16.198	ng/ul#	97
20) Pyrene	19.34	202	364853	16.902	ng/ul	98
21) Benzo(a)anthracene	21.11	228	351944	19.390	ng/ul	99
22) Chrysene	21.16	228	320603	19.210	ng/ul	98
24) Benzo(b)fluoranthene	22.65	252	344831	18.658	ng/ul#	99
25) Benzo(k)fluoranthene	22.69	252	334369	19.043	ng/ul#	95
27) Benzo(a)pyrene	23.20	252	327126	18.648	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	25.46	276	393221	19.476	ng/ul#	94
29) Dibenzo(a,h)anthracene	25.46	278	321243	19.009	ng/ul#	97
30) Benzo(g,h,i)perylene	26.13	276	322576	20.057	ng/ul	98

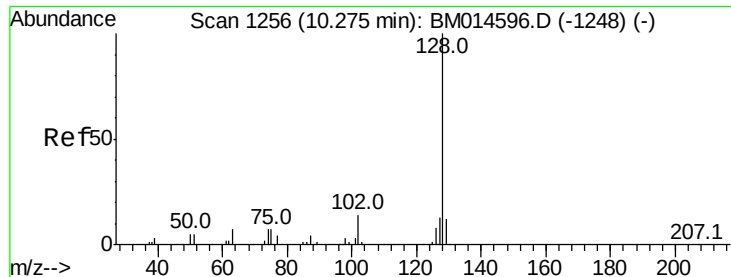
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 19.015 ng/ul

RT: 10.28 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD02053

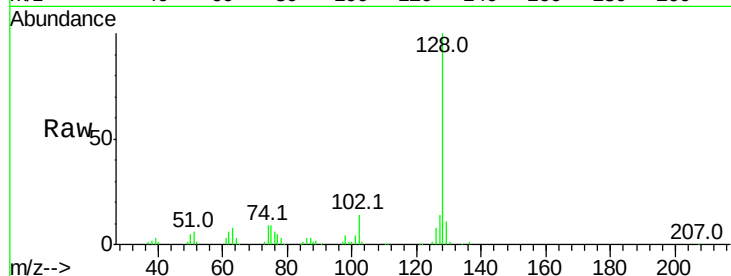
Tot Ion:128 Resp: 355684

Ion Ratio Lower Upper

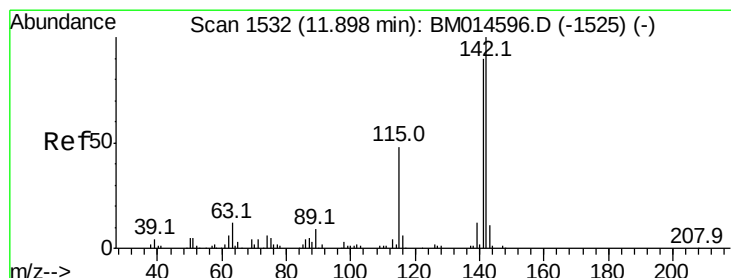
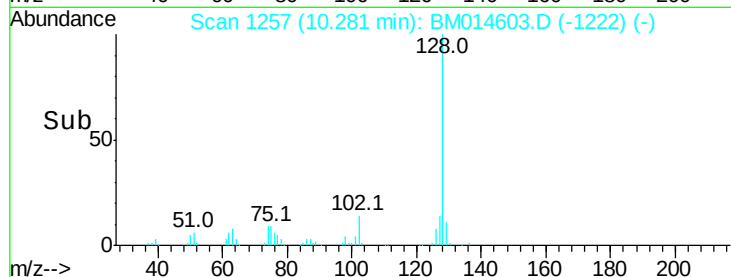
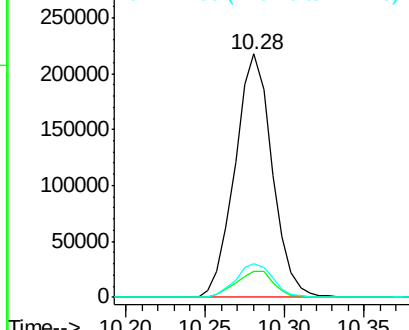
128 100

129 10.9 8.8 13.2

127 13.9 10.6 16.0



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: 18.755 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM014603.D

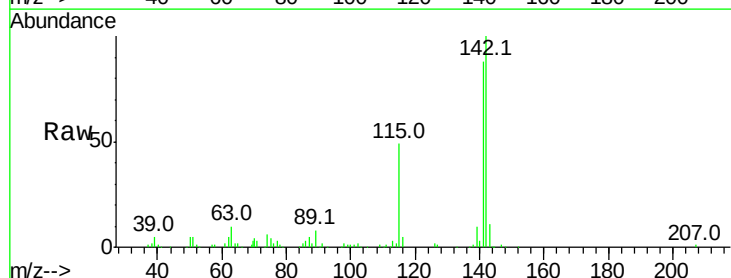
Acq: 16 Mar 2018 09:45

Tgt Ion:142 Resp: 245478

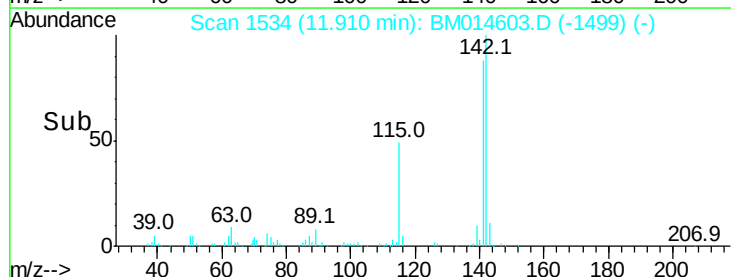
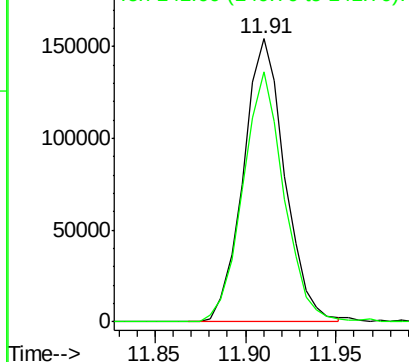
Ion Ratio Lower Upper

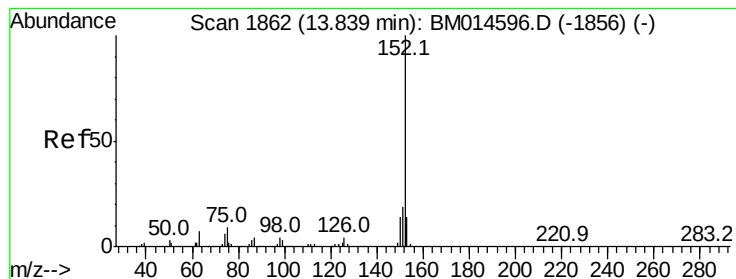
142 100

141 88.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.318 ng/ul

RT: 13.85 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Instrument :

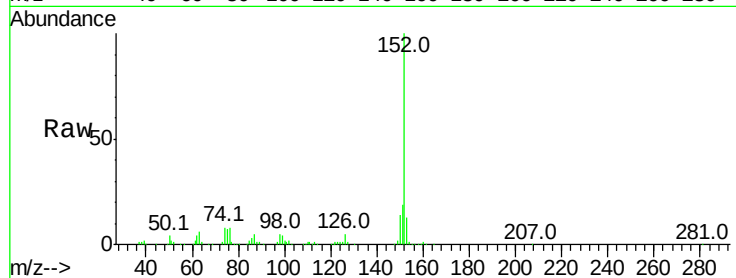
BNA_M

ClientSampleId :

SSTD02053

Tot Ion:152 Resp: 352713

Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	12.9	10.2	15.4

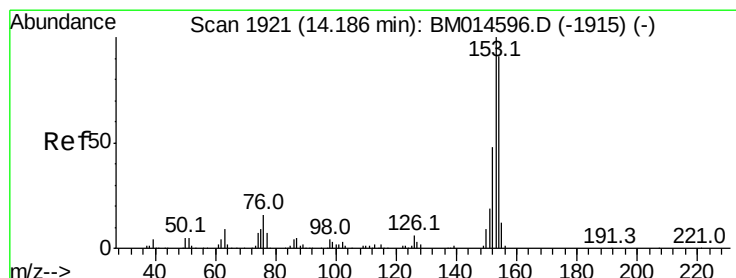
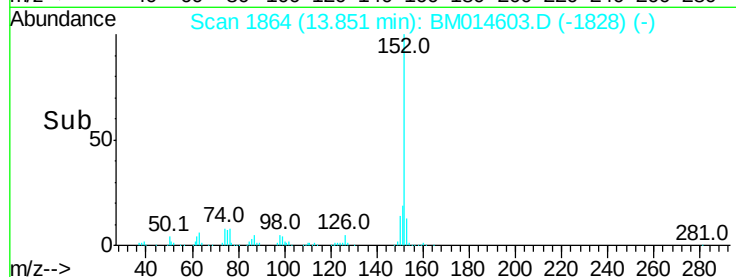
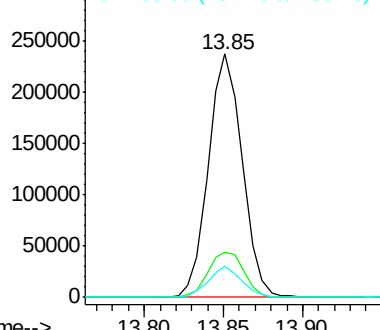


Abundance

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: 18.910 ng/ul

RT: 14.20 min Scan# 1923

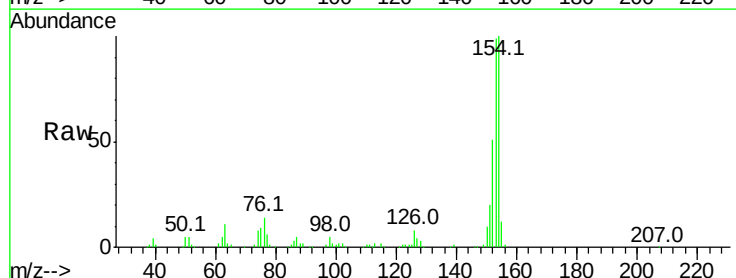
Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Tgt Ion:153 Resp: 236281

Ion	Ratio	Lower	Upper
153	100		
152	50.9	37.6	56.4
154	100.8	70.4	105.6

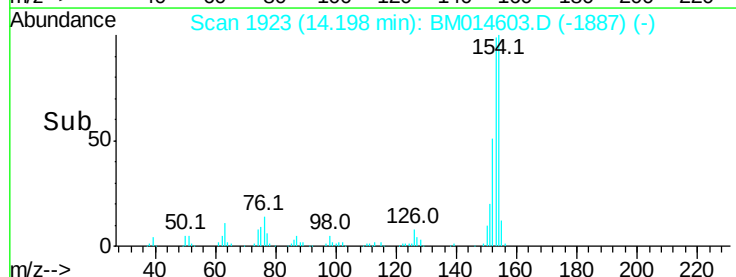
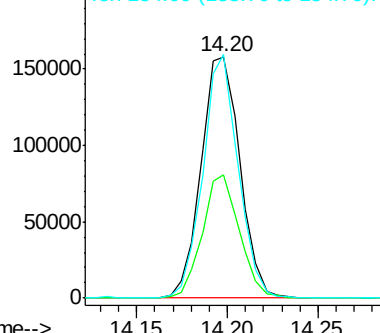


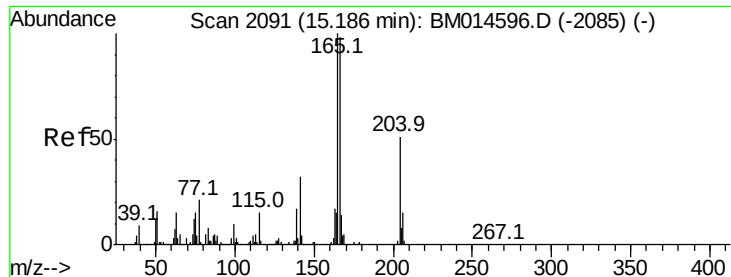
Abundance

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

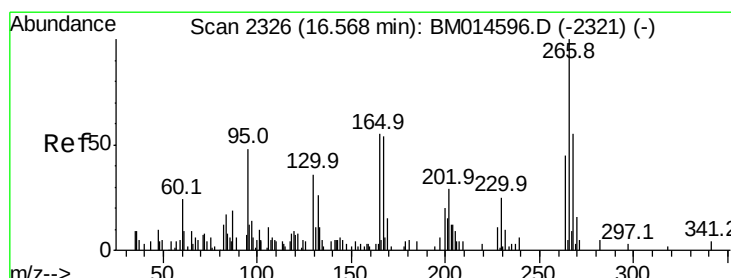
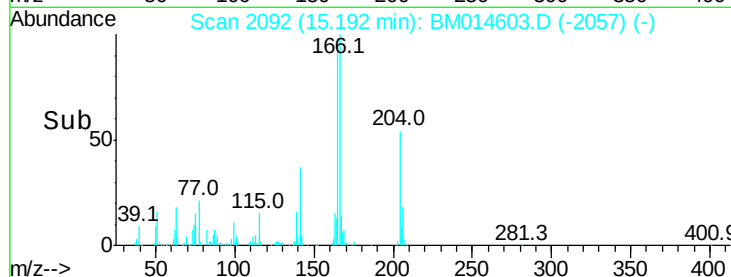
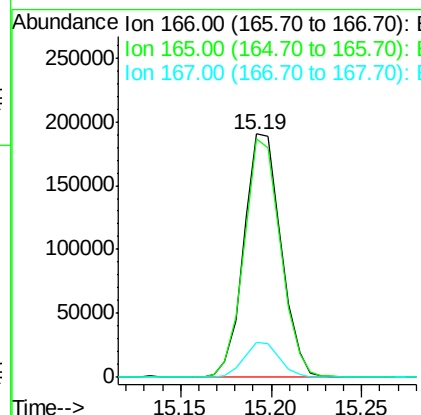
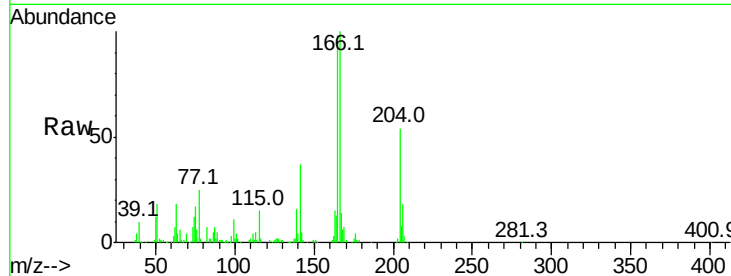




#11
 Fluorene
 Concen: 18.261 ng/ul
 RT: 15.19 min Scan# 2092
 Delta R.T. 0.01 min
 Lab File: BM014603.D
 Acq: 16 Mar 2018 09:45

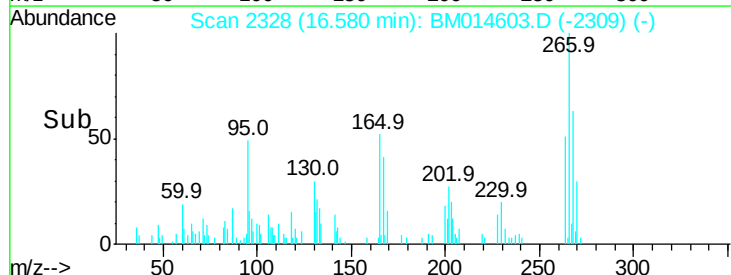
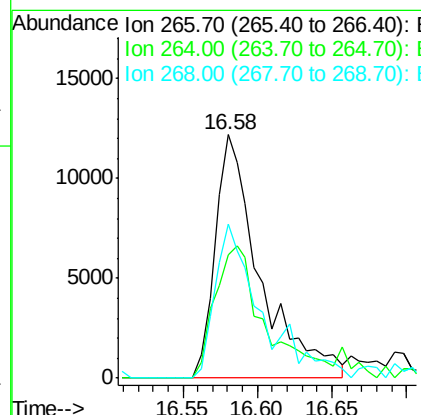
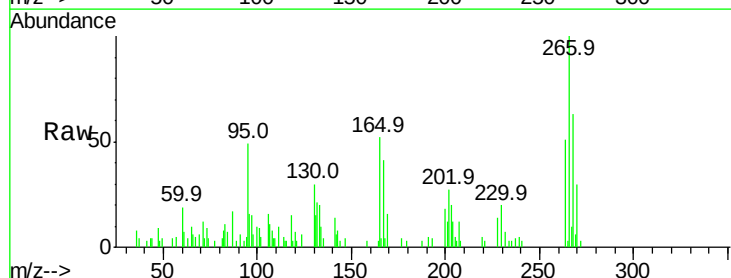
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02053

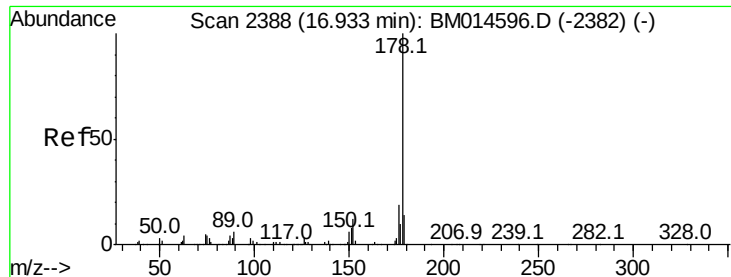
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.9	116.9
167	14.5	10.6	16.0



#13
 Pentachlorophenol
 Concen: 15.164 ng/ul
 RT: 16.58 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: BM014603.D
 Acq: 16 Mar 2018 09:45

Tgt Ion	Ratio	Lower	Upper
266	100		
264	54.0	49.3	73.9
268	63.3	52.6	78.8

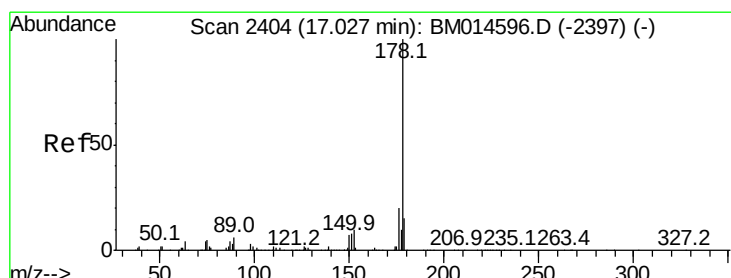
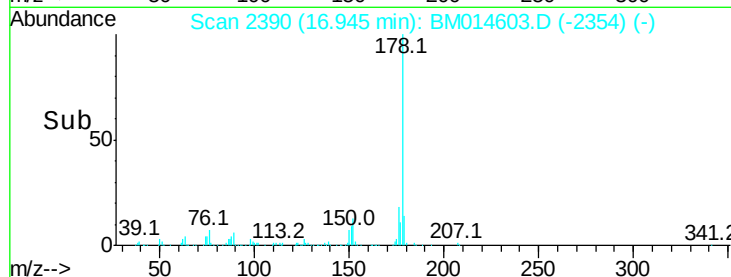
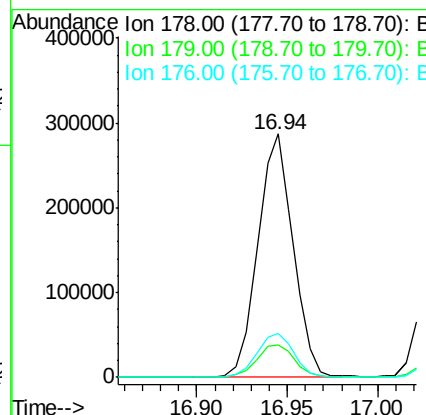
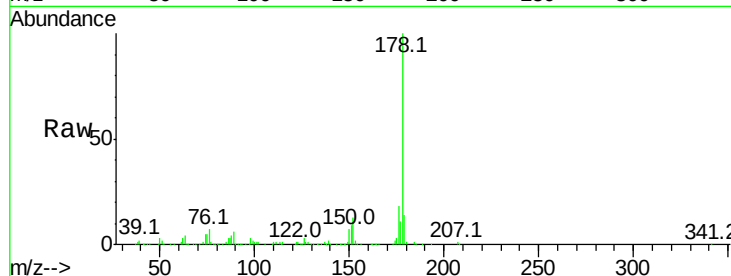




#14
Phenanthrene
Concen: 18.762 ng/ul
RT: 16.94 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BM014603.D
Acq: 16 Mar 2018 09:45

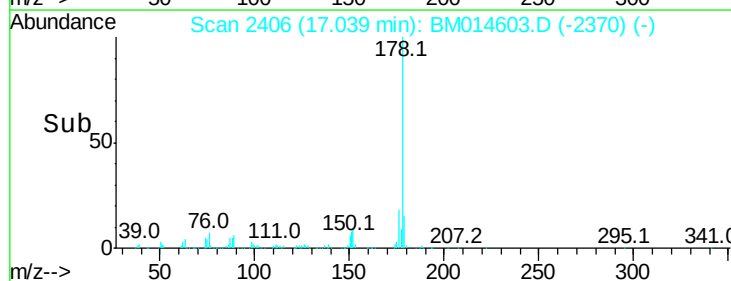
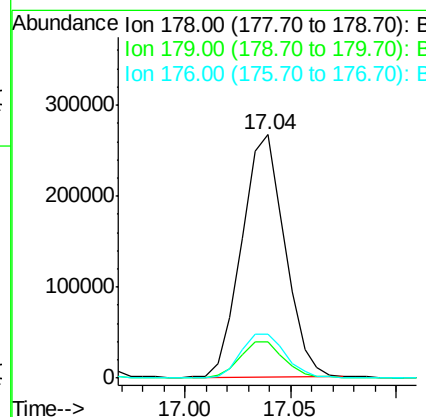
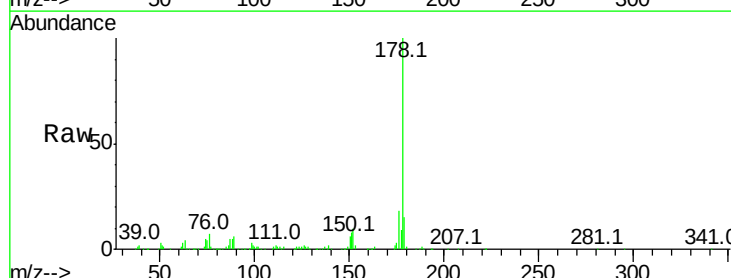
Instrument :
BNA_M
ClientSampleId :
SSTD02053

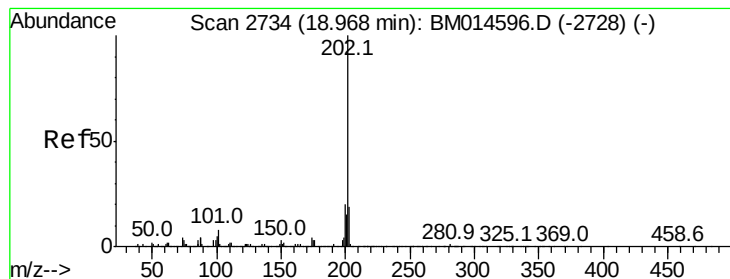
Tot Ion:178 Resp: 385835
Ion Ratio Lower Upper
178 100
179 13.5 12.6 19.0
176 17.8 14.9 22.3



#16
Anthracene
Concen: 18.376 ng/ul
RT: 17.04 min Scan# 2406
Delta R.T. 0.01 min
Lab File: BM014603.D
Acq: 16 Mar 2018 09:45

Tgt Ion:178 Resp: 377757
Ion Ratio Lower Upper
178 100
179 15.1 11.7 17.5
176 18.2 14.6 21.8





#17

Fluoranthene

Concen: 16.198 ng/ul

RT: 18.98 min Scan# 2736

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD02053

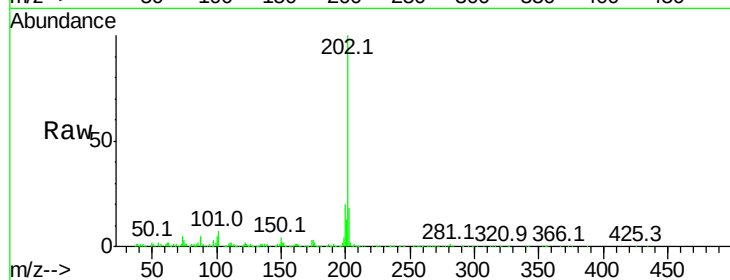
Tot Ion:202 Resp: 378103

Ion Ratio Lower Upper

202 100

101 6.8 4.6 7.0

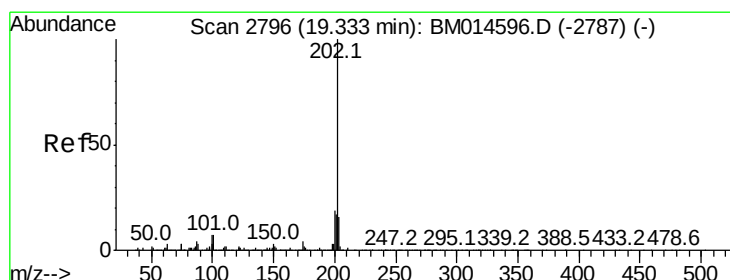
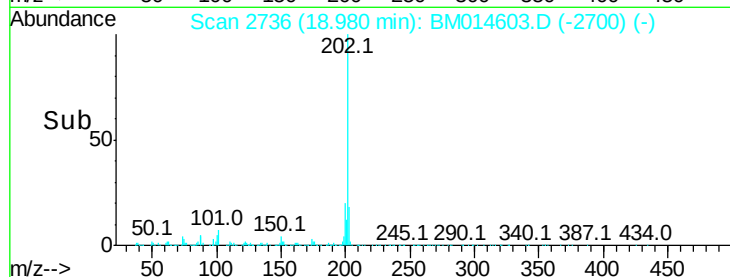
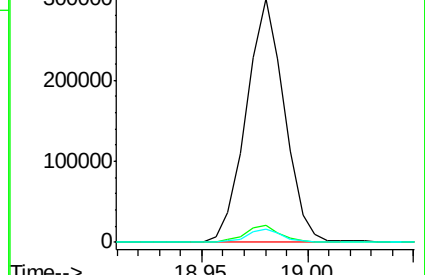
100 5.2 3.4 5.2#



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: 16.902 ng/ul

RT: 19.34 min Scan# 2798

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

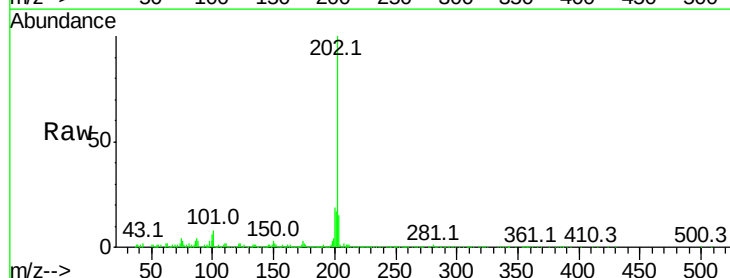
Tgt Ion:202 Resp: 364853

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

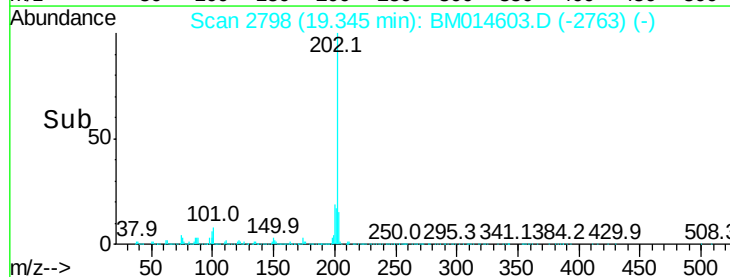
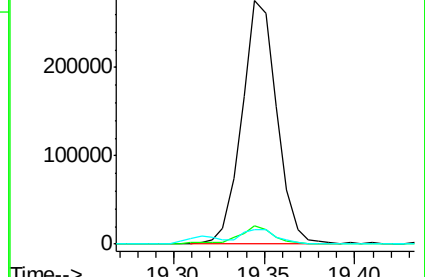
100 6.1 4.9 7.3

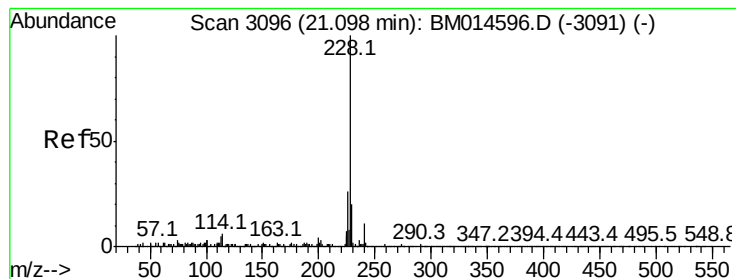


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.390 ng/ul

RT: 21.11 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

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BNA_M

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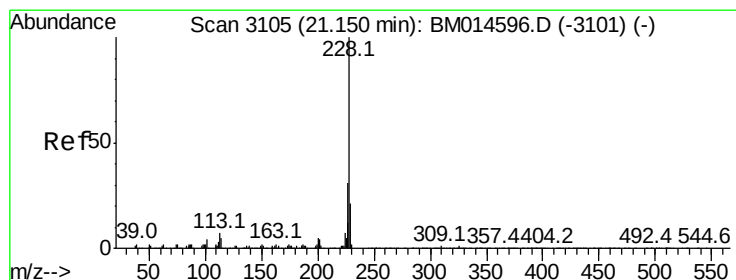
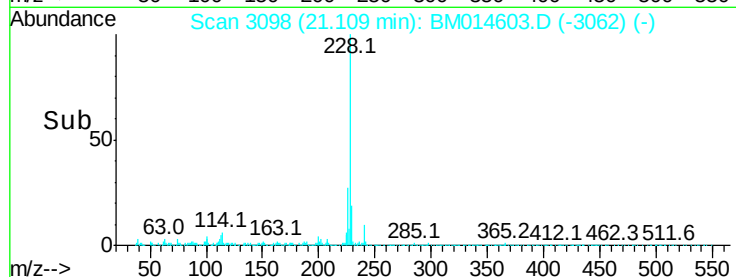
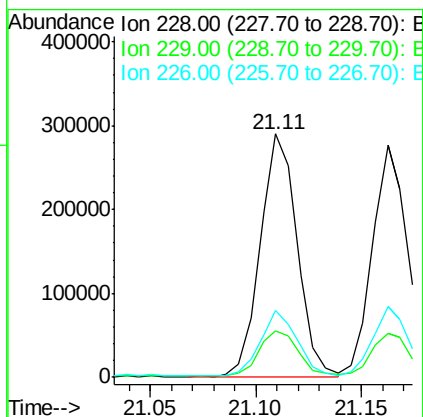
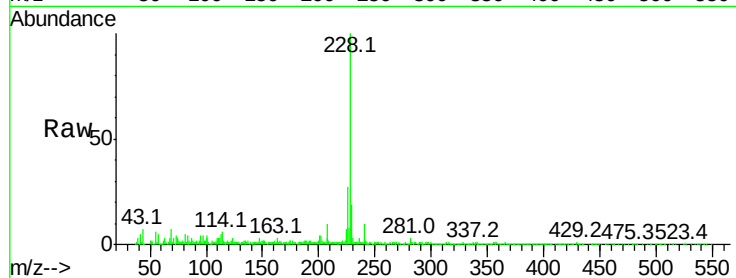
Tot Ion:228 Resp: 351944

Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.4	23.0
226	27.4	21.4	32.0

228 100

229 19.2 15.4 23.0

226 27.4 21.4 32.0



#22

Chrysene

Concen: 19.210 ng/ul

RT: 21.16 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

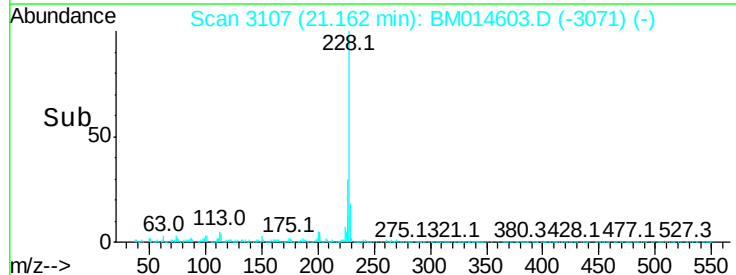
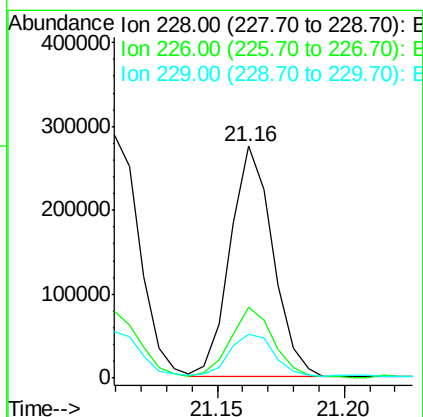
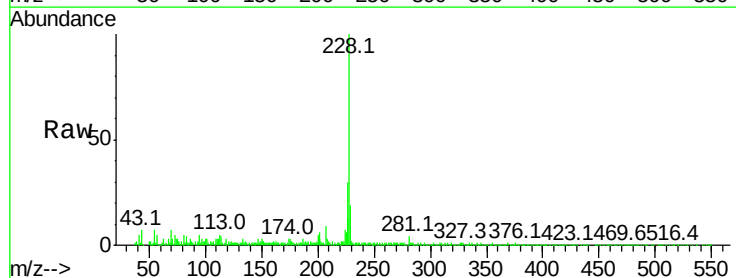
Tgt Ion:228 Resp: 320603

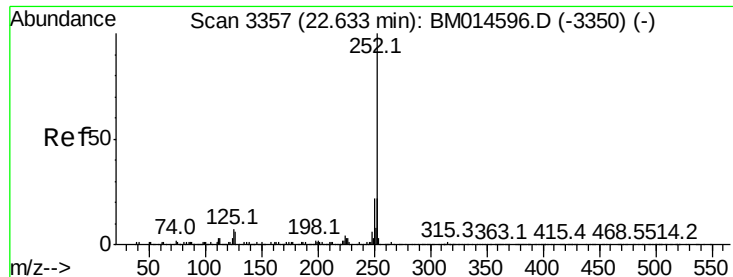
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	18.9	15.5	23.3

228 100

226 30.4 23.4 35.2

229 18.9 15.5 23.3





#24

Benzo(b)fluoranthene

Concen: 18.658 ng/ul

RT: 22.65 min Scan# 3360

Delta R.T. 0.02 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD02053

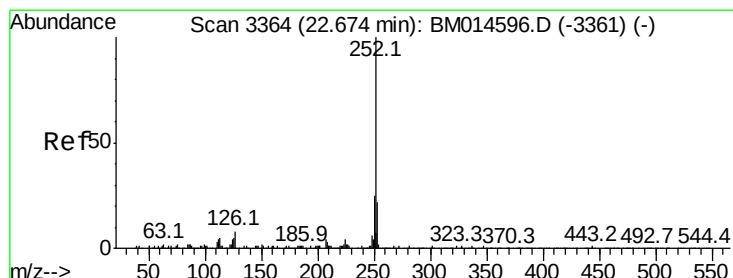
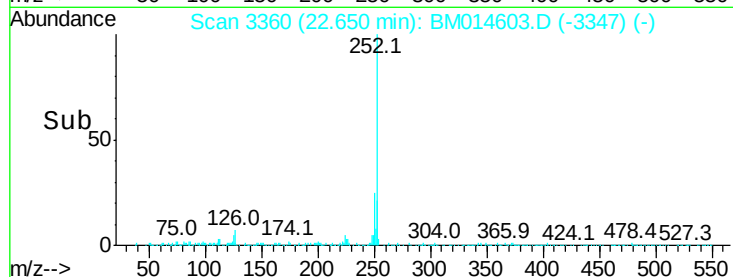
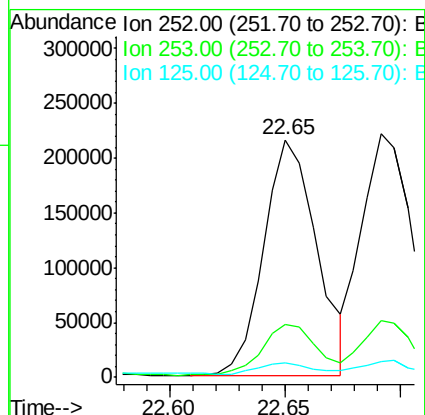
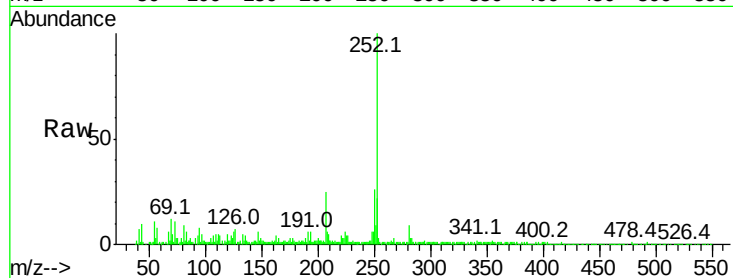
Tot Ion:252 Resp: 344831

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 6.2 3.6 5.4#



#25

Benzo(k)fluoranthene

Concen: 19.043 ng/ul

RT: 22.69 min Scan# 3367

Delta R.T. 0.01 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

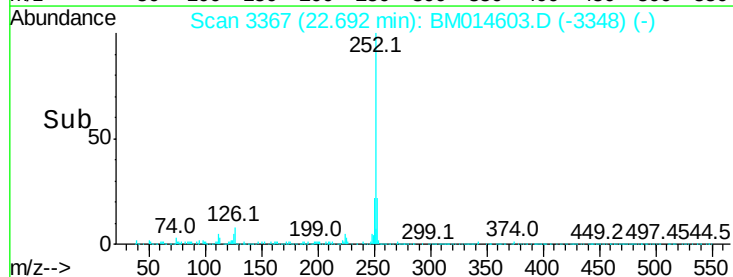
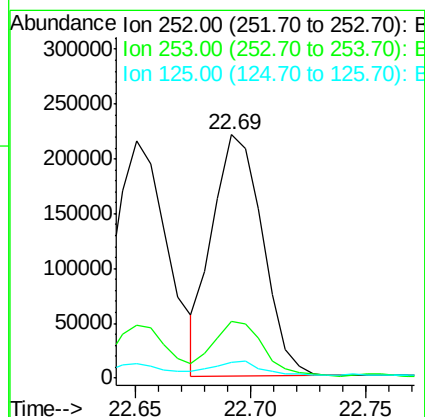
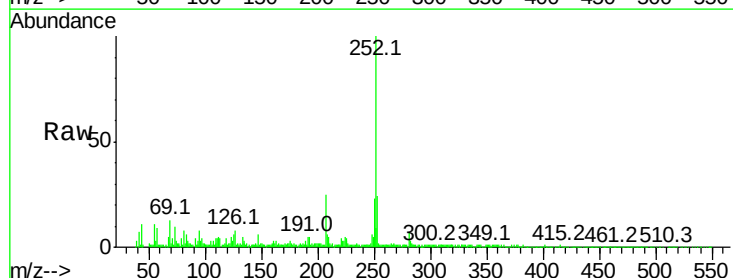
Tgt Ion:252 Resp: 334369

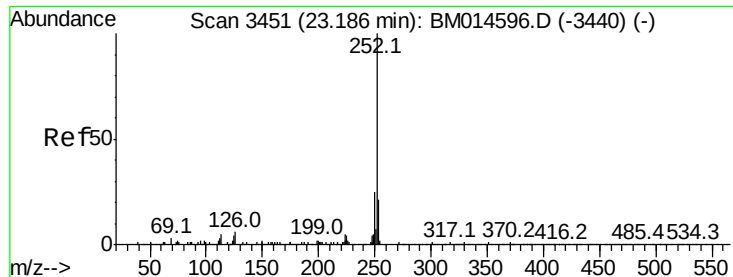
Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 6.3 3.4 5.2#





#27

Benzo(a)pyrene

Concen: 18.648 ng/ul

RT: 23.20 min Scan# 3454

Delta R.T. 0.02 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD02053

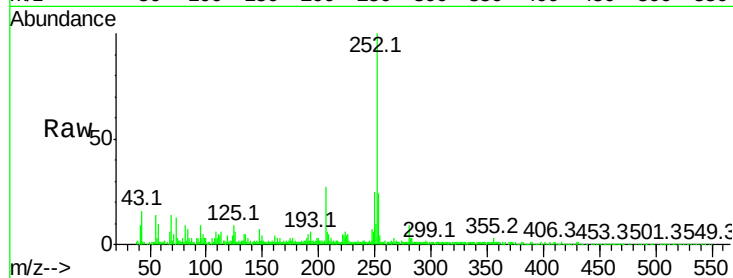
Tot Ion:252 Resp: 327126

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

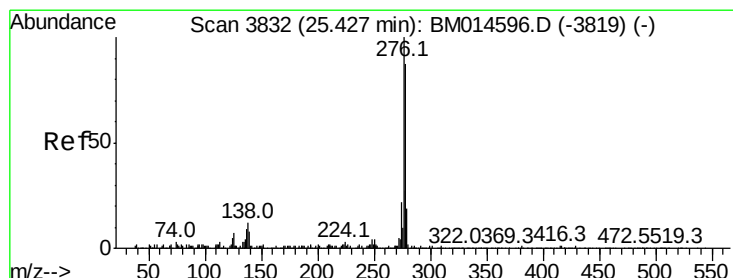
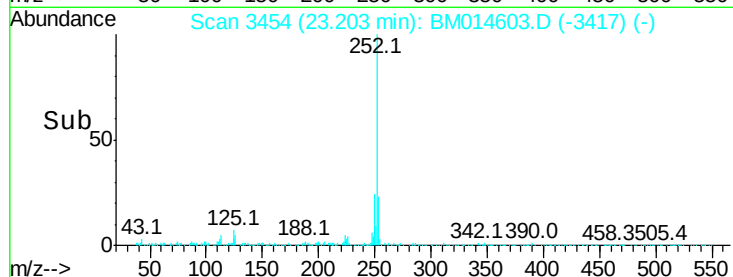
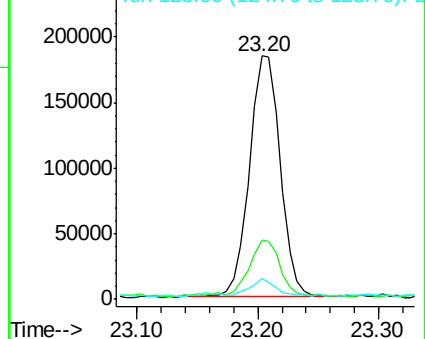
125 8.8 4.0 6.0#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 19.476 ng/ul

RT: 25.46 min Scan# 3838

Delta R.T. 0.04 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

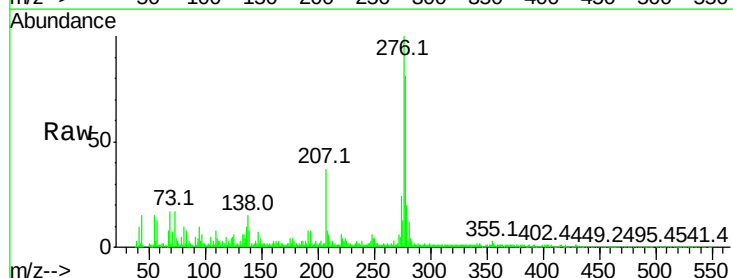
Tgt Ion:276 Resp: 393221

Ion Ratio Lower Upper

276 100

138 14.8 9.3 13.9#

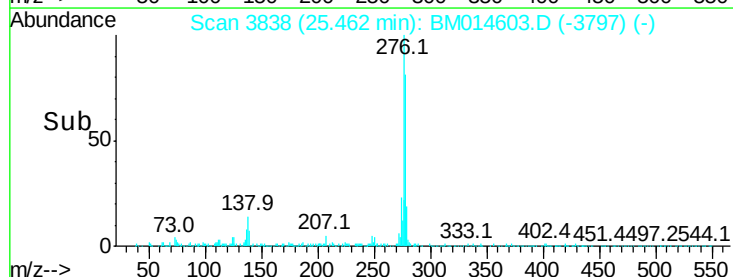
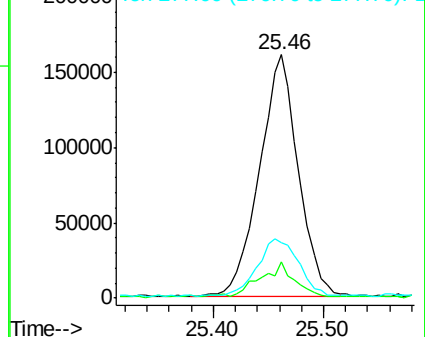
277 22.6 19.9 29.9

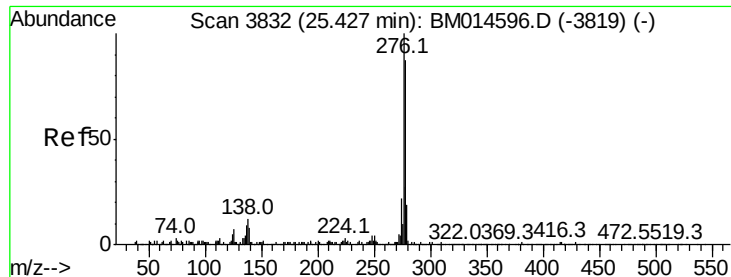


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.009 ng/ul

RT: 25.46 min Scan# 3838

Delta R.T. 0.04 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD02053

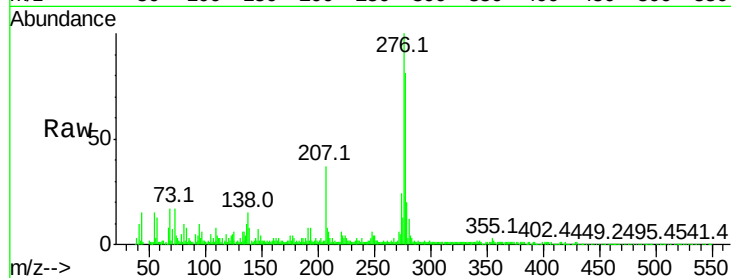
Tot Ion:278 Resp: 321243

Ion Ratio Lower Upper

278 100

139 9.4 5.8 8.8#

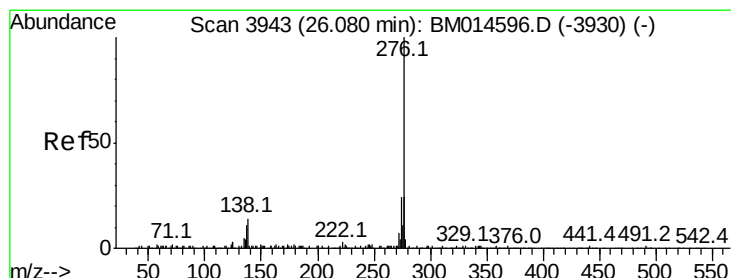
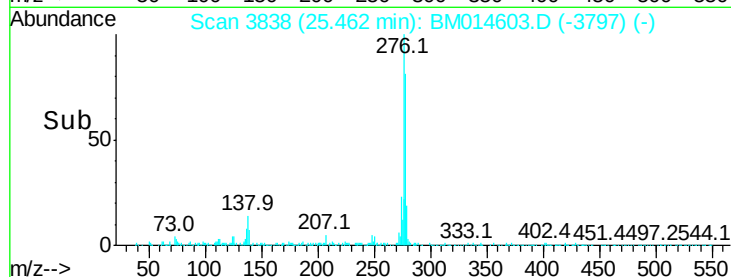
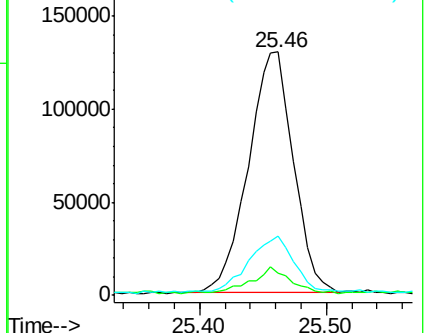
279 24.1 18.6 27.8



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: 20.057 ng/ul

RT: 26.13 min Scan# 3951

Delta R.T. 0.04 min

Lab File: BM014603.D

Acq: 16 Mar 2018 09:45

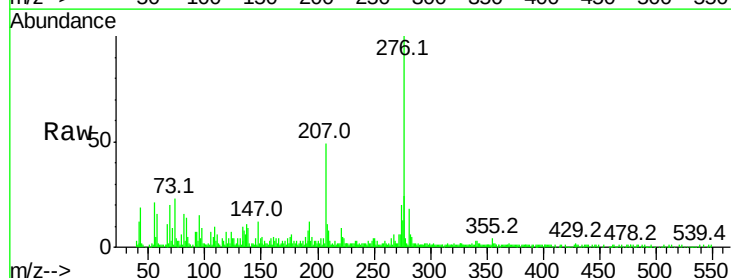
Tgt Ion:276 Resp: 322576

Ion Ratio Lower Upper

276 100

138 9.4 8.5 12.7

277 24.0 18.6 28.0



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

