

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009286.D
 Acq On : 17 Mar 2017 22:24
 Operator : SJ/MA
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02047

Quant Time: Mar 18 00:42:01 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

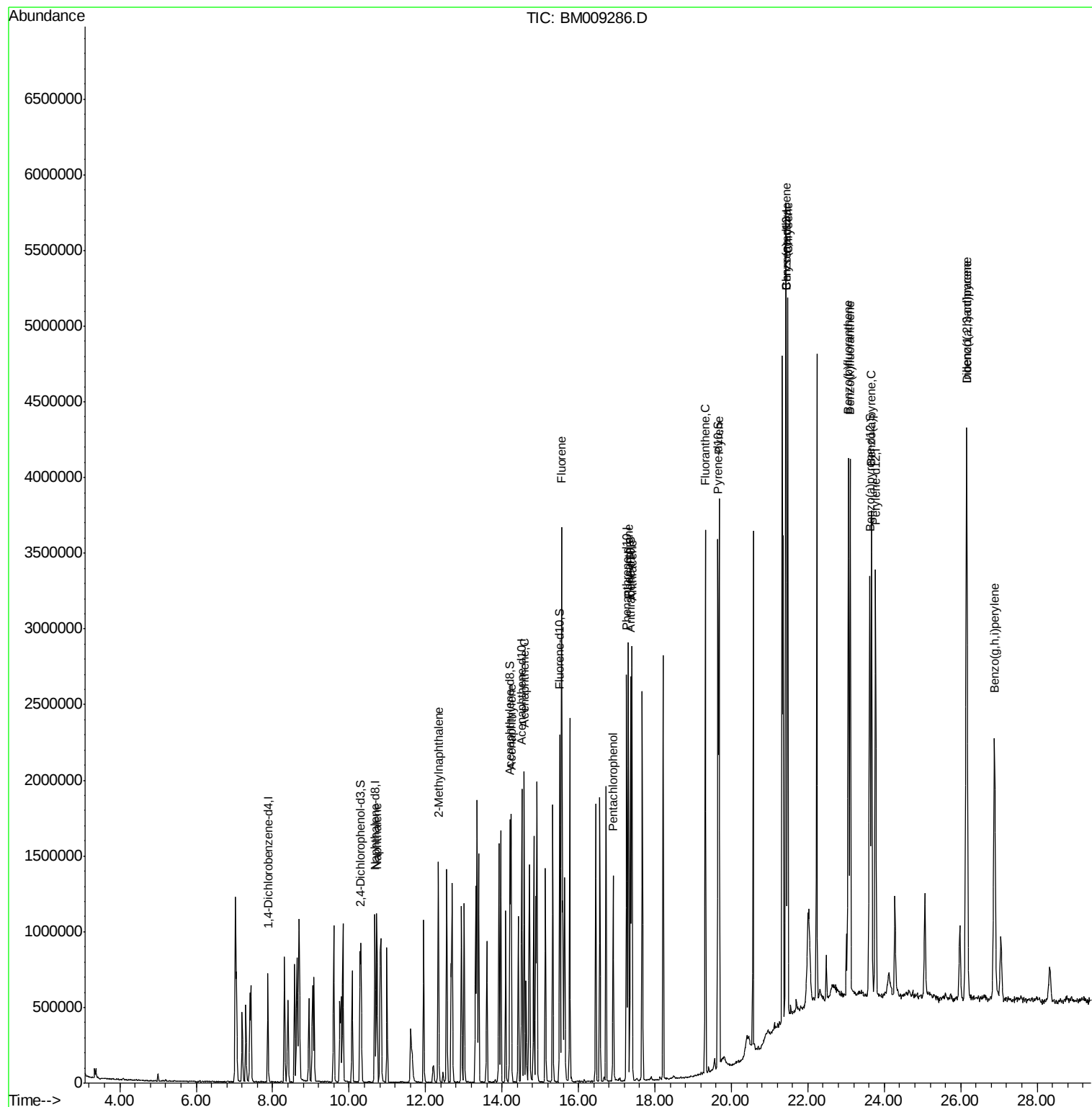
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	163817	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	793772	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	580081	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	1472151	20.00	ng/ul	0.00
18) Chrysene-d12	21.44	240	2073084	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	2136372	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	265583	20.61	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	1114395	22.66	ng/ul	0.00
10) Fluorene-d10	15.51	176	843620	19.57	ng/ul	0.00
15) Anthracene-d10	17.36	188	1397613	19.98	ng/ul	0.00
19) Pyrene-d10	19.65	212	1674183	20.14	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1973422	20.32	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.72	128	800423	19.82	ng/ul	99
5) 2-Methylnaphthalene	12.33	142	617867	19.17	ng/ul	95
8) Acenaphthylene	14.24	152	1118697	22.50	ng/ul	96
9) Acenaphthene	14.58	153	770396	21.37	ng/ul	98
11) Fluorene	15.56	166	952309	19.24	ng/ul	98
13) Pentachlorophenol	16.91	266	222492	19.89	ng/uL	96
14) Phenanthrene	17.30	178	1601208	19.32	ng/ul	97
16) Anthracene	17.40	178	1659815	19.30	ng/ul	96
17) Fluoranthene	19.32	202	2049172	19.50	ng/ul	96
20) Pyrene	19.68	202	2146157	20.06	ng/ul	95
21) Benzo(a)anthracene	21.42	228	2370761	20.09	ng/ul	97
22) Chrysene	21.47	228	2172729	19.49	ng/ul	95
24) Benzo(b)fluoranthene	23.06	252	2549585	20.28	ng/ul#	95
25) Benzo(k)fluoranthene	23.11	252	2373175	20.01	ng/ul#	97
27) Benzo(a)pyrene	23.67	252	2433389	20.11	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	26.16	276	2748332	19.13	ng/ul	98
29) Dibenzo(a,h)anthracene	26.16	278	2337046	19.27	ng/ul#	93
30) Benzo(g,h,i)perylene	26.88	276	2218860	18.57	ng/ul#	92

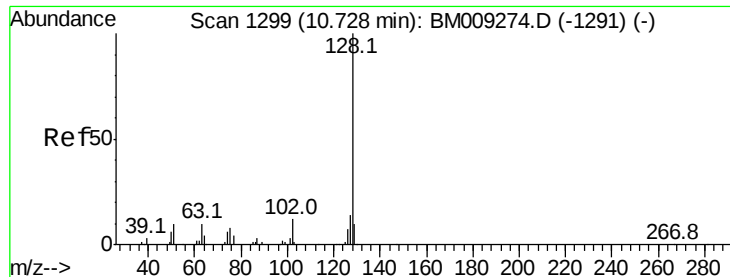
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 19.82 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

BNA_M

ClientSampleId :

SSTD02047

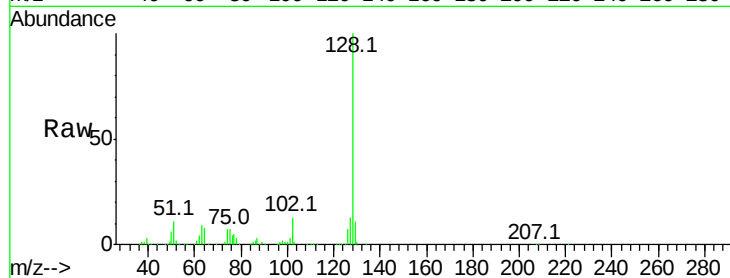
Tot Ion:128 Resp: 800423

Ion Ratio Lower Upper

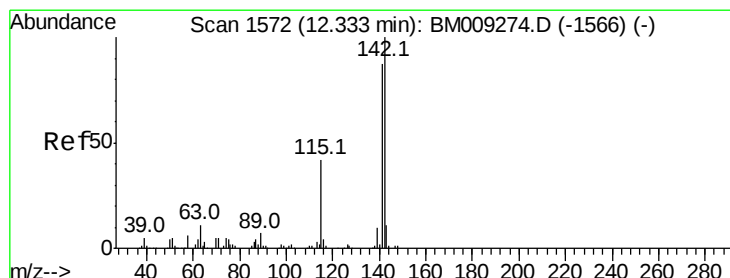
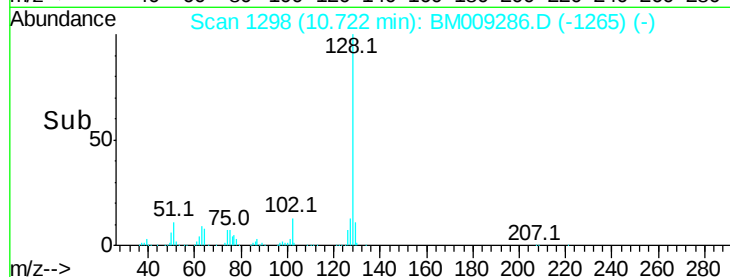
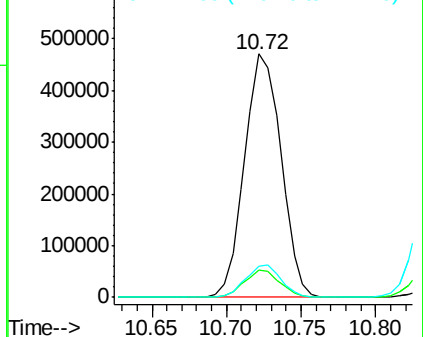
128 100

129 11.0 9.1 13.7

127 12.9 10.6 15.8



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: 19.17 ng/ul

RT: 12.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BM009286.D

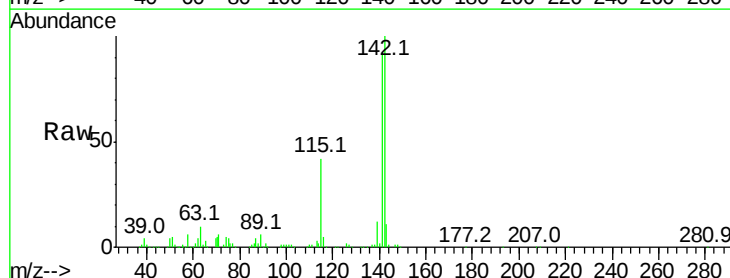
Acq: 17 Mar 2017 22:24

Tgt Ion:142 Resp: 617867

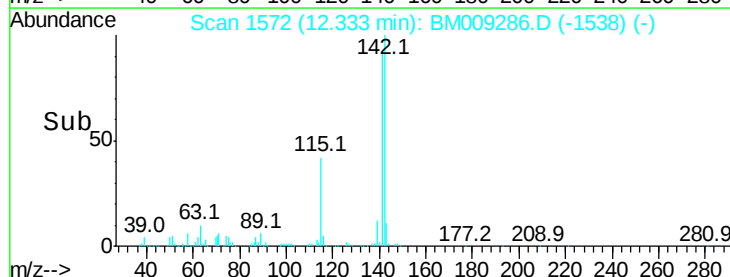
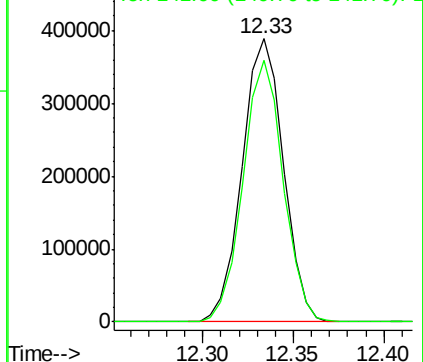
Ion Ratio Lower Upper

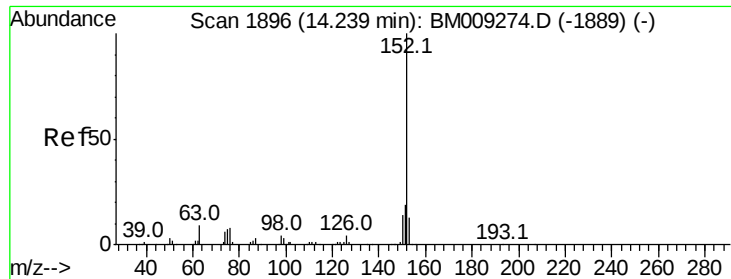
142 100

141 92.3 69.8 104.8



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





#8

Acenaphthylene

Concen: 22.50 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

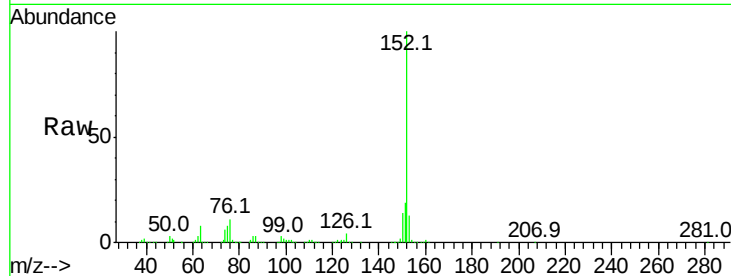
BNA_M

ClientSampleId :

SSTD02047

Tot Ion:152 Resp: 1118697

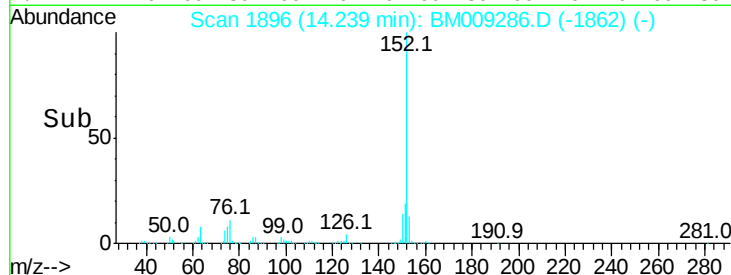
Ion	Ratio	Lower	Upper
152	100		
151	19.0	17.5	26.3
153	13.4	10.6	16.0



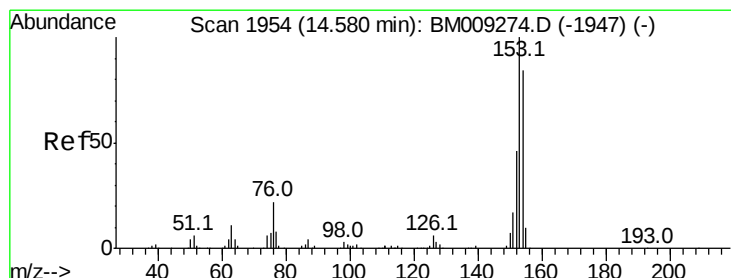
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#9

Acenaphthene

Concen: 21.37 ng/ul

RT: 14.58 min Scan# 1954

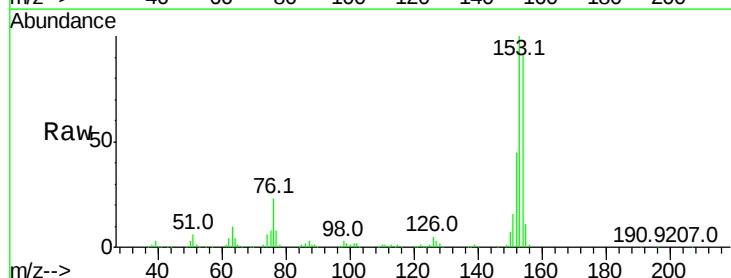
Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Tgt Ion:153 Resp: 770396

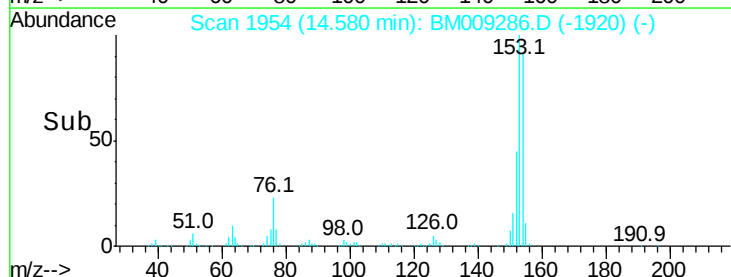
Ion	Ratio	Lower	Upper
153	100		
152	45.5	37.9	56.9
154	91.5	71.6	107.4



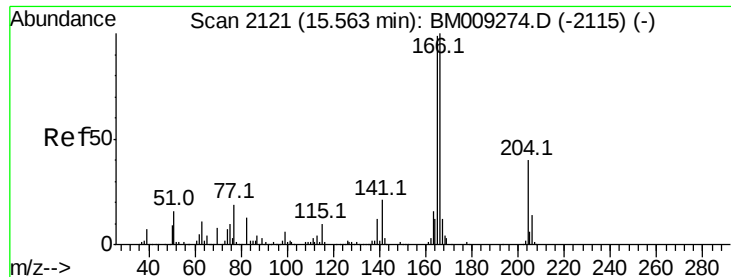
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



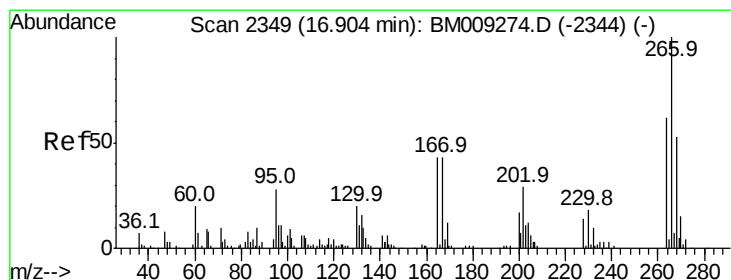
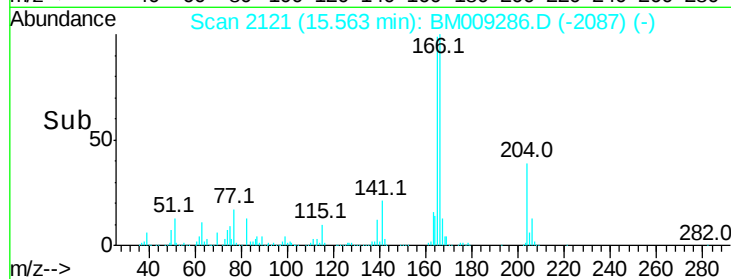
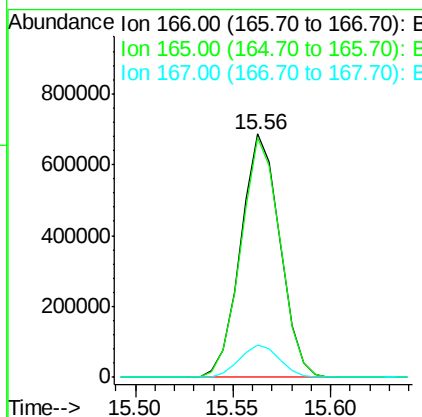
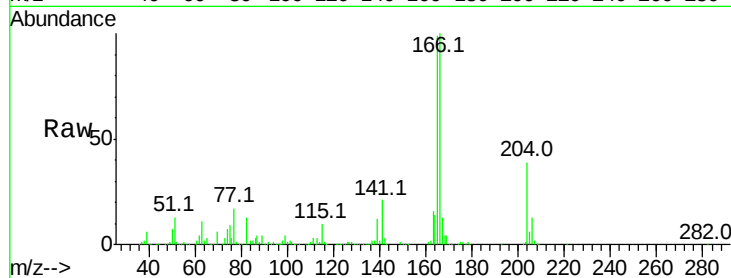
Time-->



#11
Fluorene
 Concen: 19.24 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BM009286.D
 Acq: 17 Mar 2017 22:24

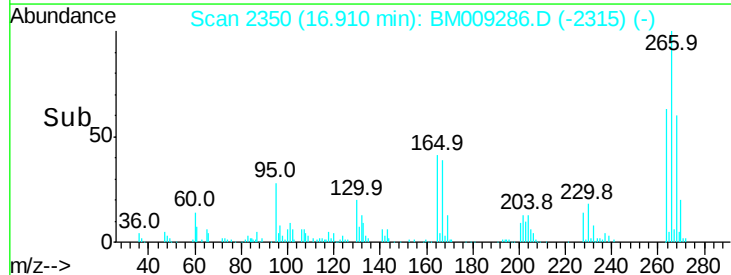
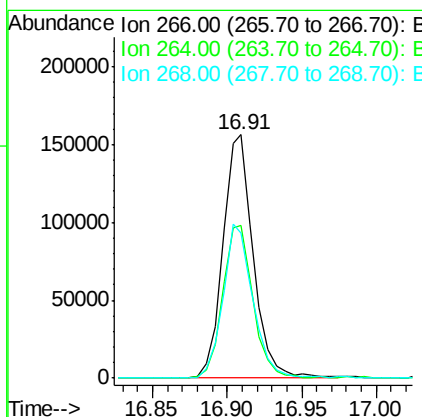
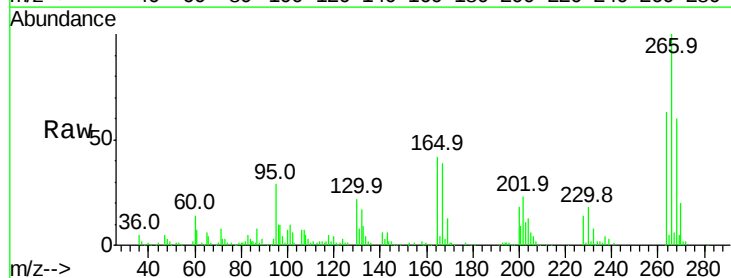
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02047

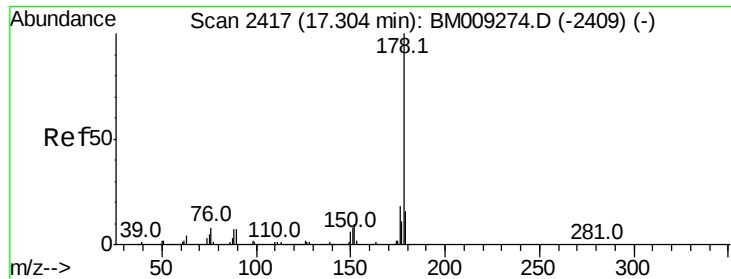
Tot Ion:166 Resp: 952309
 Ion Ratio Lower Upper
 166 100
 165 98.6 80.0 120.0
 167 13.4 11.6 17.4



#13
Pentachlorophenol
 Concen: 19.89 ng/uL
 RT: 16.91 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: BM009286.D
 Acq: 17 Mar 2017 22:24

Tgt Ion:266 Resp: 222492
 Ion Ratio Lower Upper
 266 100
 264 62.7 52.0 78.0
 268 59.7 51.2 76.8





#14

Phenanthrene

Concen: 19.32 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

BNA_M

ClientSampleId :

SSTD02047

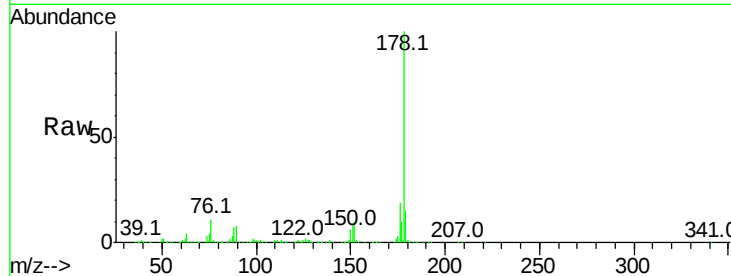
Tot Ion:178 Resp: 1601208

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

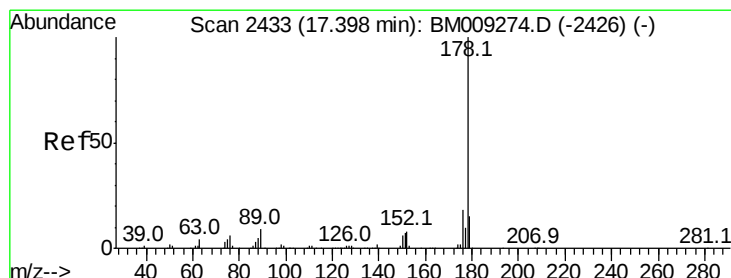
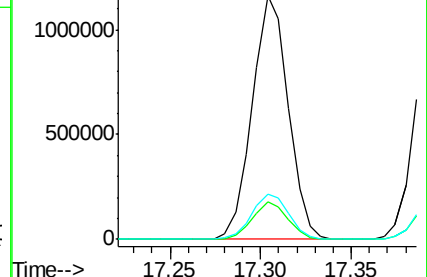
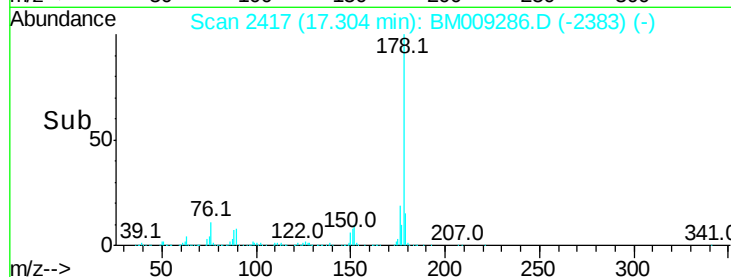
176 18.5 16.4 24.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 19.30 ng/ul

RT: 17.40 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

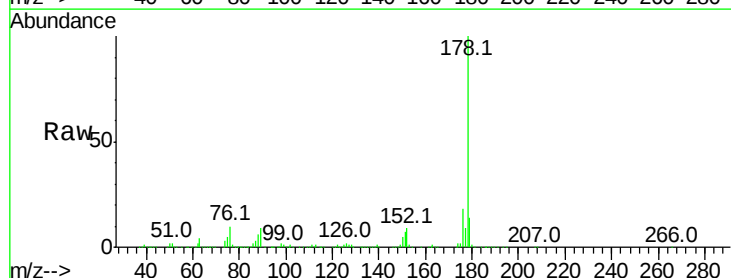
Tgt Ion:178 Resp: 1659815

Ion Ratio Lower Upper

178 100

179 14.5 12.7 19.1

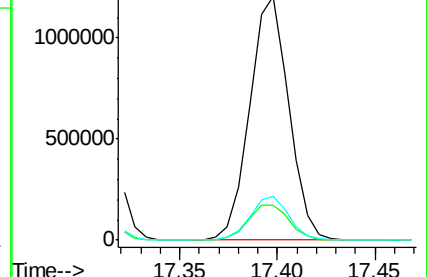
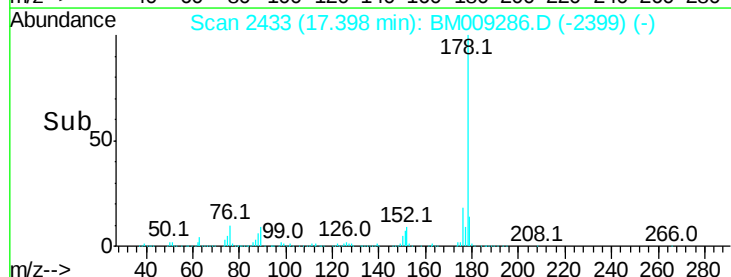
176 18.0 15.8 23.8

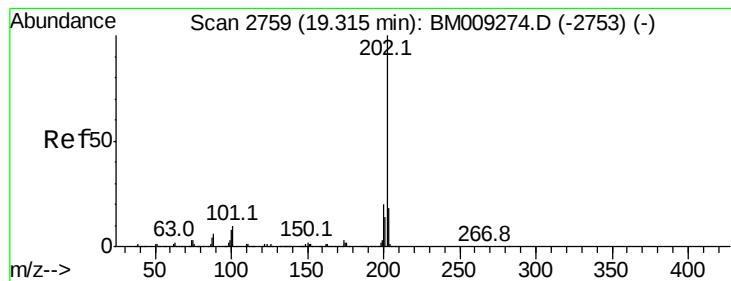


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 19.50 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

BNA_M

ClientSampleId :

SSTD02047

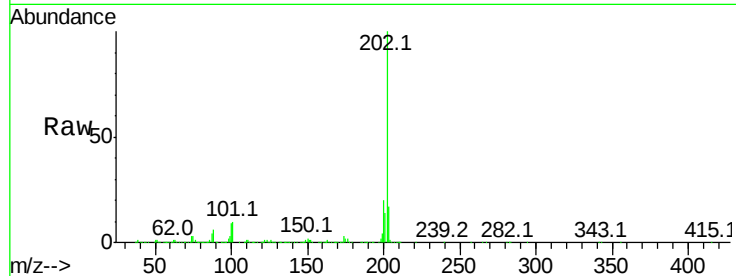
Tot Ion:202 Resp: 2049172

Ion Ratio Lower Upper

202 100

101 10.4 9.8 14.8

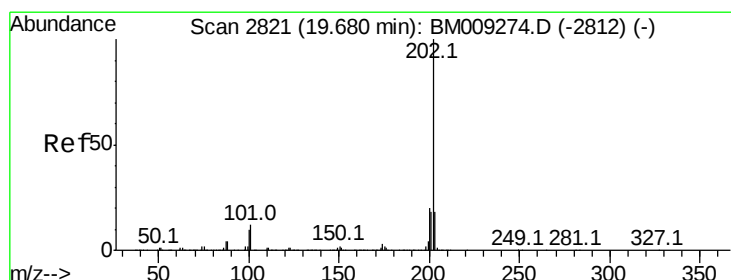
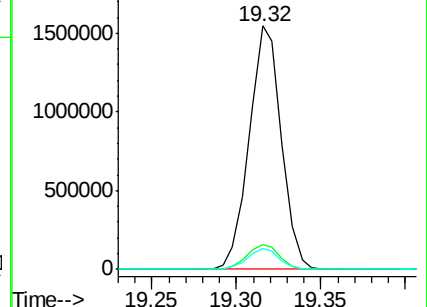
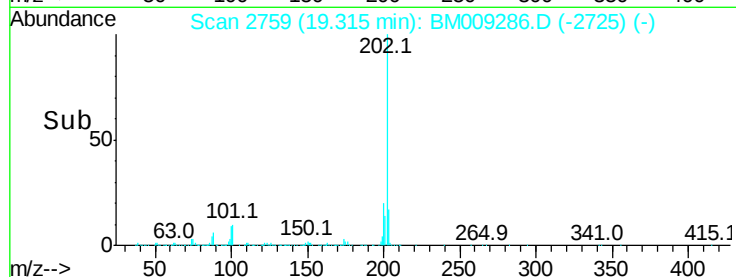
100 8.5 7.5 11.3



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



#20

Pyrene

Concen: 20.06 ng/ul

RT: 19.68 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

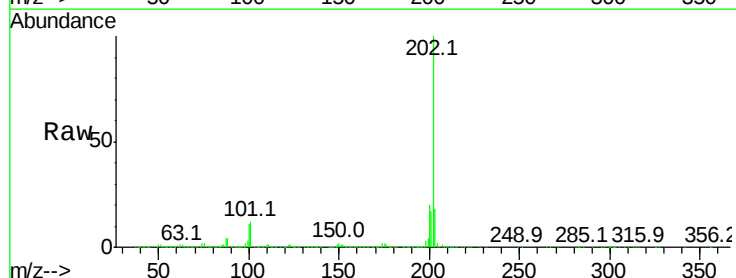
Tgt Ion:202 Resp: 2146157

Ion Ratio Lower Upper

202 100

101 12.0 11.2 16.8

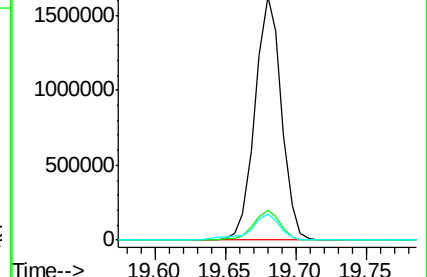
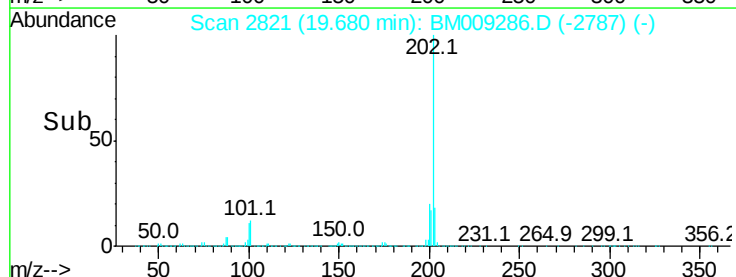
100 10.6 9.8 14.6

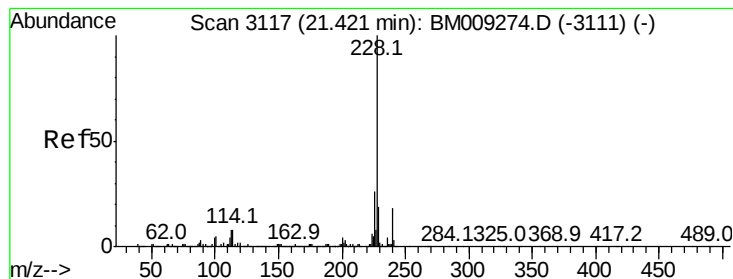


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 20.09 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

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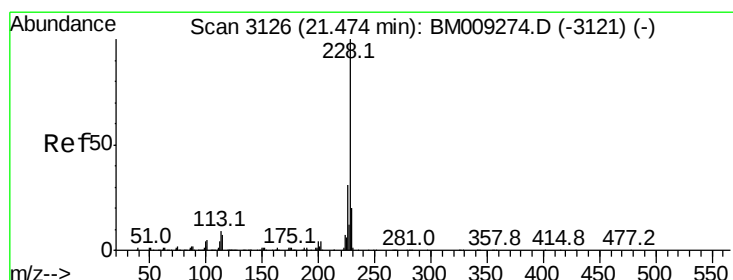
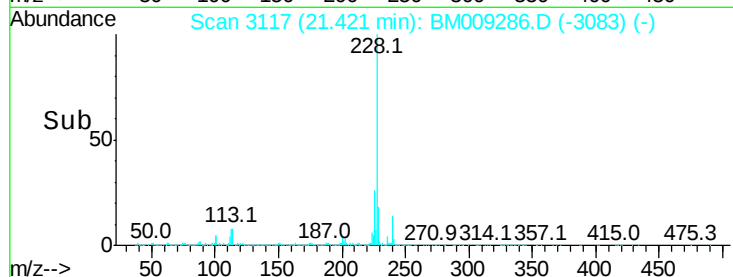
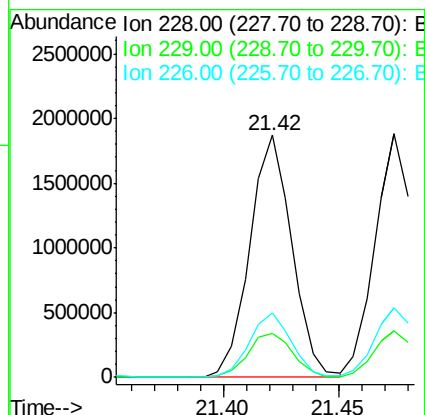
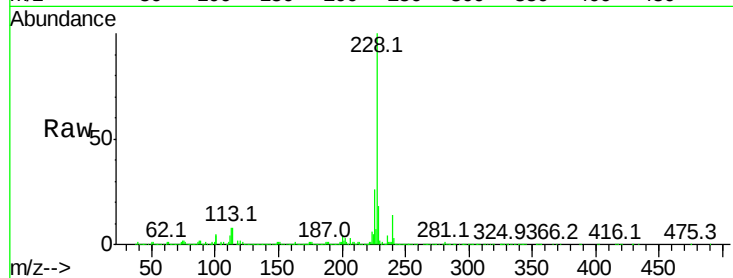
Tot Ion:228 Resp: 2370761

Ion	Ratio	Lower	Upper
228	100		
229	18.4	15.9	23.9
226	26.4	22.1	33.1

228 100

229 18.4 15.9 23.9

226 26.4 22.1 33.1



#22

Chrysene

Concen: 19.49 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

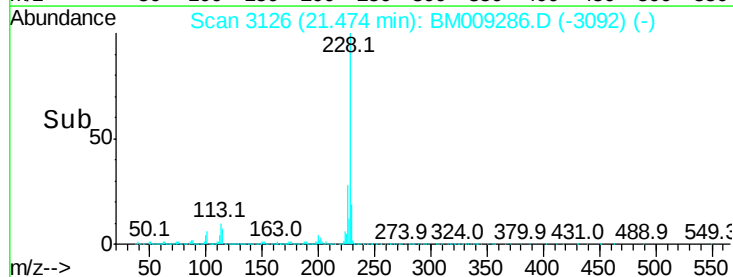
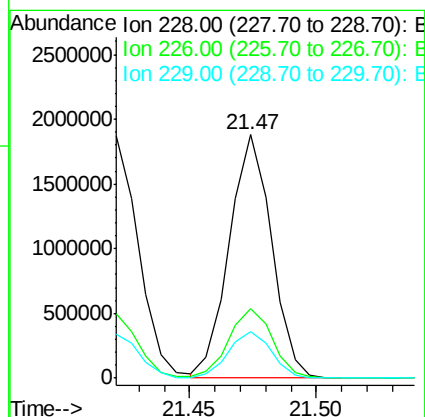
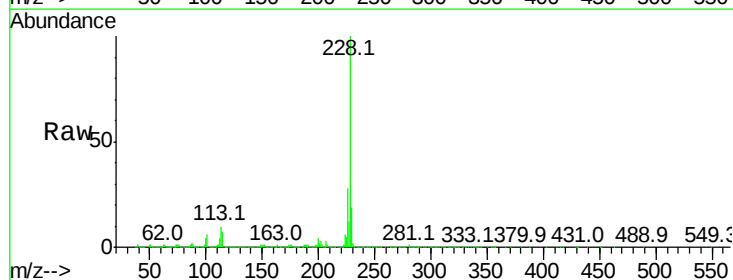
Tgt Ion:228 Resp: 2172729

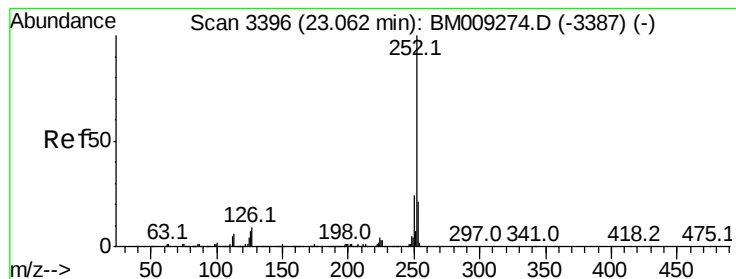
Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.0	37.6
229	18.9	16.6	25.0

228 100

226 28.3 25.0 37.6

229 18.9 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 20.28 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

BNA_M

ClientSampleId :

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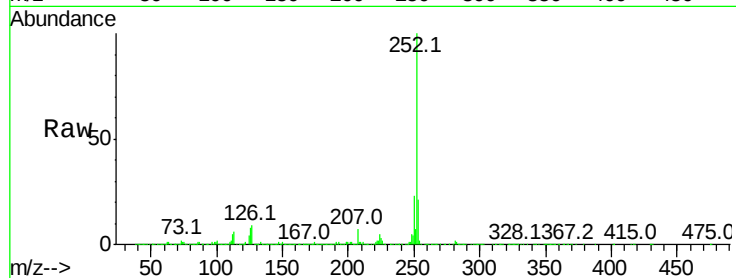
Tot Ion:252 Resp: 2549585

Ion Ratio Lower Upper

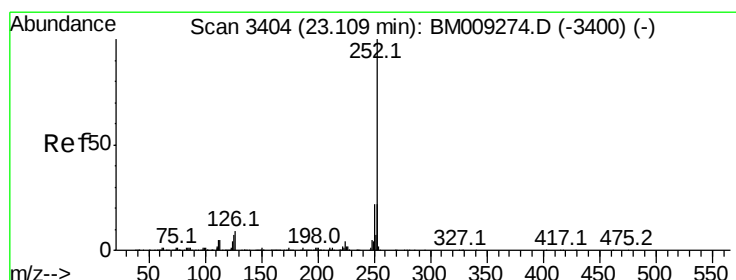
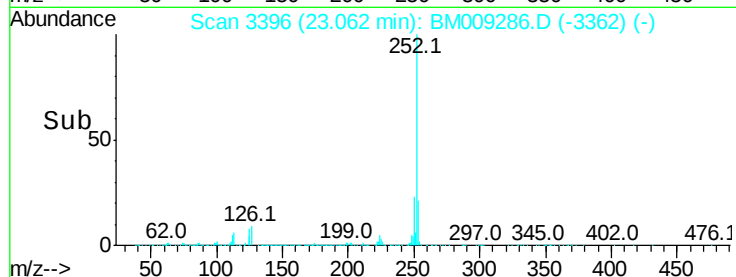
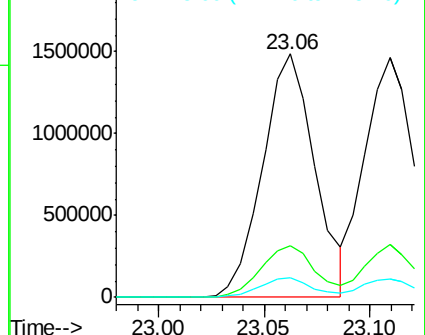
252 100

253 21.2 17.8 26.6

125 8.0 9.4 14.0#



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



#25

Benzo(k)fluoranthene

Concen: 20.01 ng/ul

RT: 23.11 min Scan# 3404

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

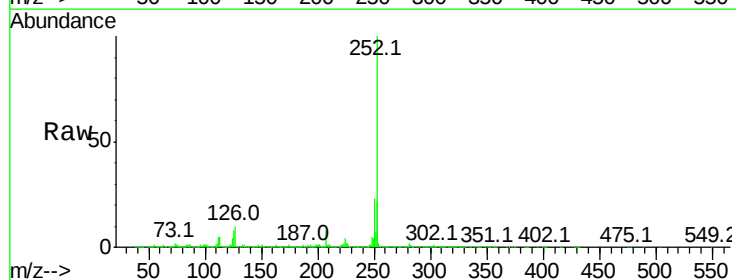
Tgt Ion:252 Resp: 2373175

Ion Ratio Lower Upper

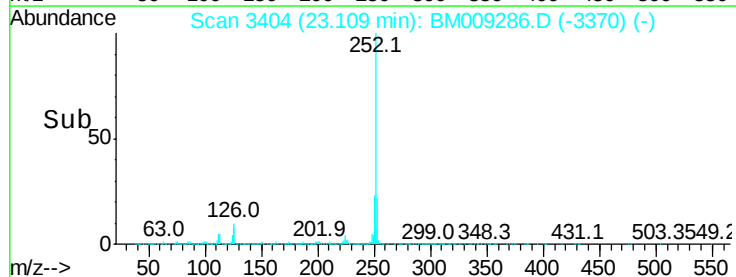
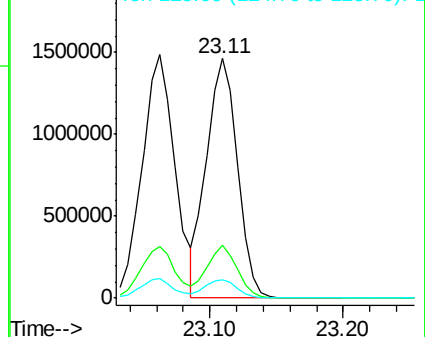
252 100

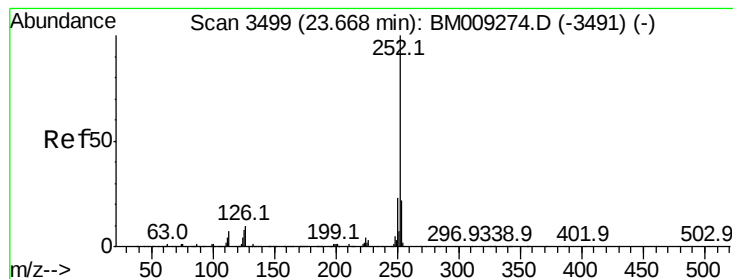
253 21.8 17.4 26.2

125 7.6 8.8 13.2#



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: 20.11 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

BNA_M

ClientSampleId :

SSTD02047

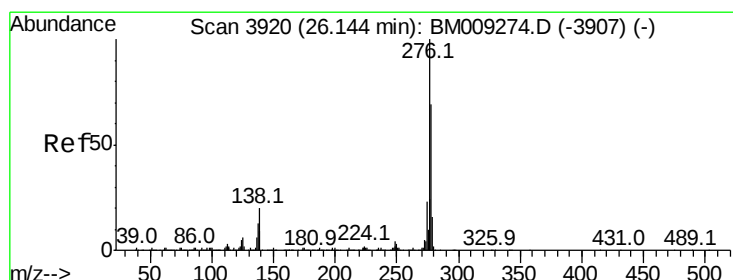
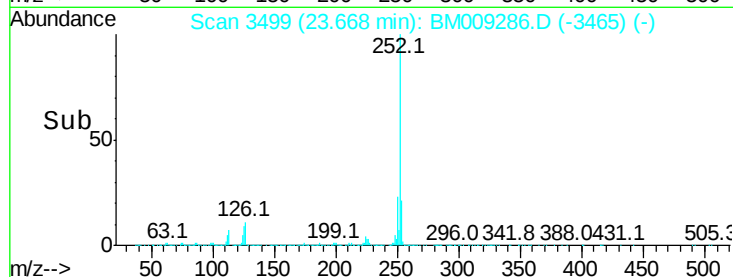
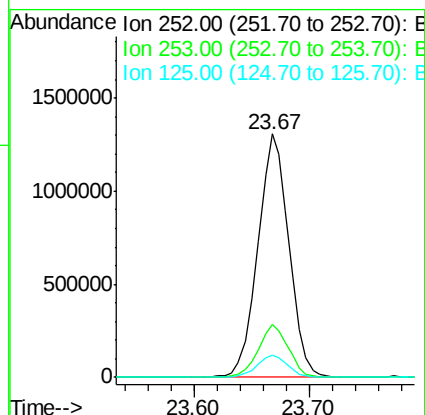
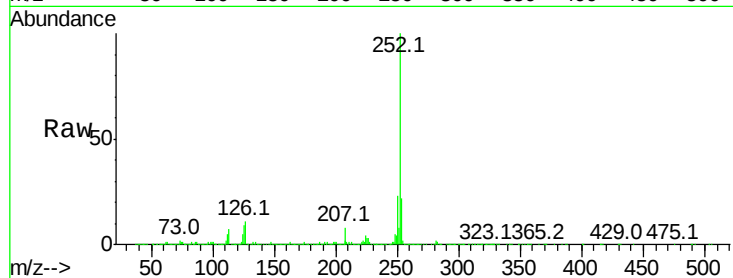
Tot Ion:252 Resp: 2433389

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	8.9	9.4	14.2

252 100

253 21.5 17.1 25.7

125 8.9 9.4 14.2



#28

Indeno(1,2,3-cd)pyrene

Concen: 19.13 ng/ul

RT: 26.16 min Scan# 3922

Delta R.T. 0.01 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

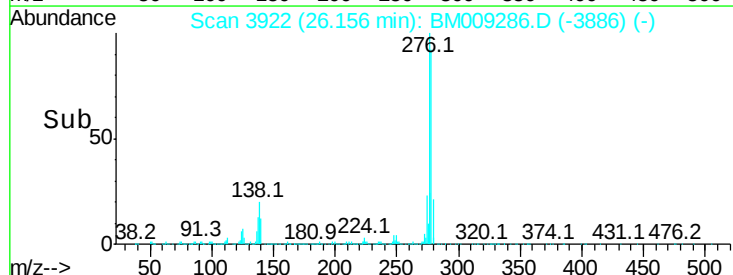
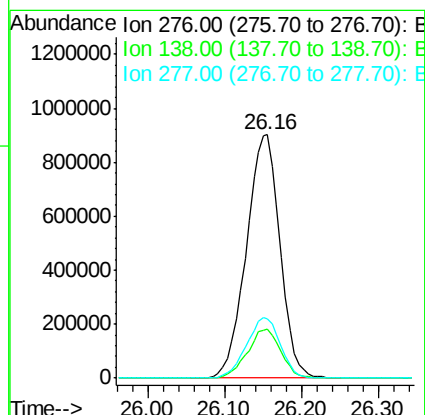
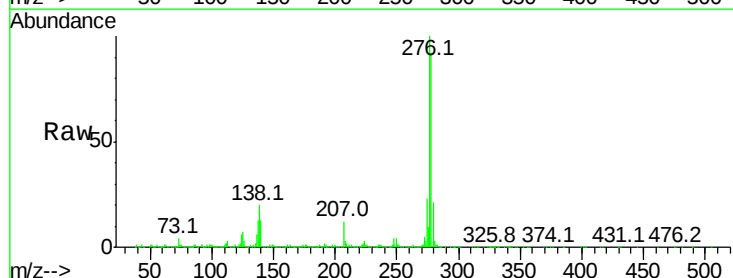
Tgt Ion:276 Resp: 2748332

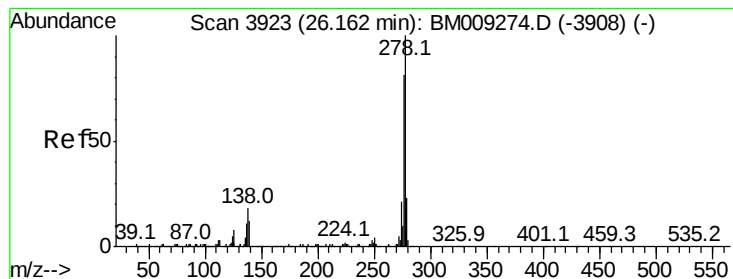
Ion	Ratio	Lower	Upper
276	100		
138	20.0	17.8	26.6
277	24.3	19.4	29.0

276 100

138 20.0 17.8 26.6

277 24.3 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 19.27 ng/ul

RT: 26.16 min Scan# 3923

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Instrument :

BNA_M

ClientSampleId :

SSTD02047

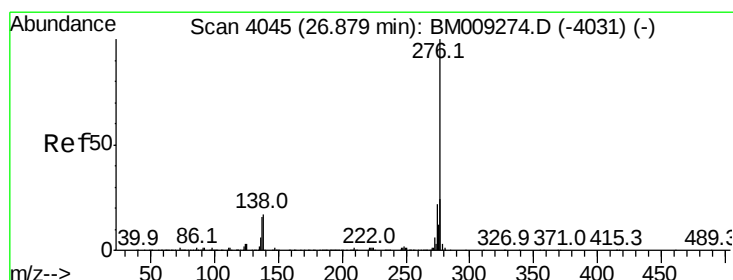
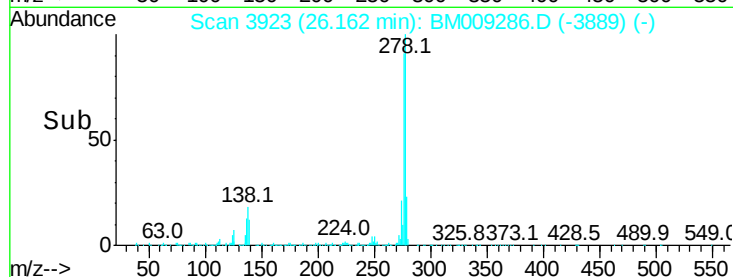
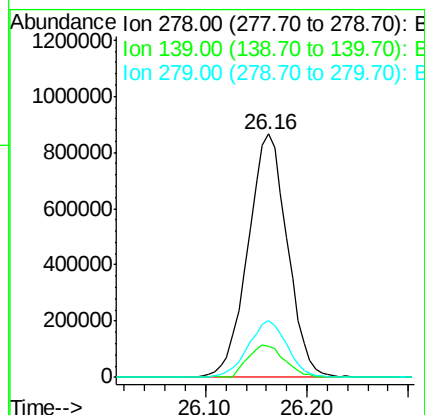
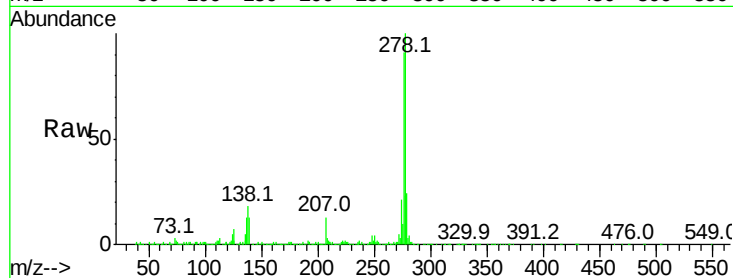
Tot Ion:278 Resp: 2337046

Ion	Ratio	Lower	Upper
278	100		
139	12.6	14.0	21.0#
279	23.5	20.6	31.0

278 100

139 12.6 14.0 21.0#

279 23.5 20.6 31.0



#30

Benzo(g,h,i)perylene

Concen: 18.57 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BM009286.D

Acq: 17 Mar 2017 22:24

Tgt Ion:276 Resp: 2218860

Ion	Ratio	Lower	Upper
276	100		
138	16.4	19.0	28.4#
277	23.6	19.7	29.5

276 100

138 16.4 19.0 28.4#

277 23.6 19.7 29.5

