

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111616\
 Data File : BM007912.D
 Acq On : 16 Nov 2016 09:45
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.464

Quant Time: Nov 16 16:19:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 16:16:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	730	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	2375	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	1218	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.12	188	2419	0.40	ng/ul	0.00
16) Chrysene-d12	21.31	240	2355	0.40	ng/ul	0.00
20) Perylene-d12	23.57	264	2270	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.13	152	1186	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	2552	0.47	ng/ul	0.00

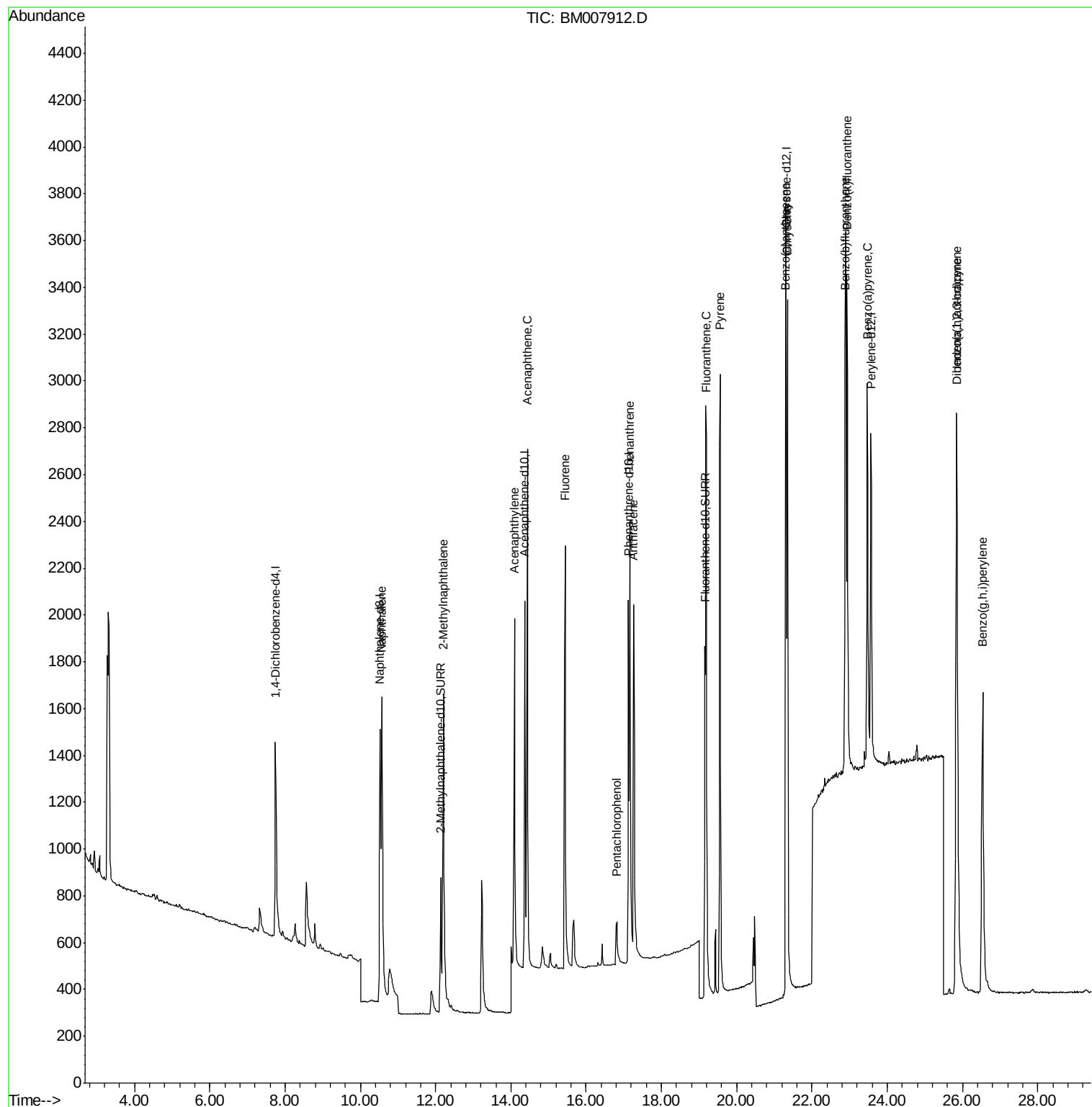
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	2484	0.41	ng/ul	97
5) 2-Methylnaphthalene	12.20	142	1604	0.42	ng/ul	99
7) Acenaphthylene	14.09	152	2243	0.39	ng/ul	98
8) Acenaphthene	14.43	153	1616	0.37	ng/ul	98
9) Fluorene	15.44	166	1815	0.37	ng/ul	99
11) Pentachlorophenol	16.82	266	281	0.49	ng/ul	96
12) Phenanthrene	17.16	178	2768	0.41	ng/ul	98
13) Anthracene	17.26	178	2610	0.42	ng/ul	100
15) Fluoranthene	19.19	202	3481	0.43	ng/ul	96
17) Pyrene	19.56	202	3478	0.43	ng/ul	98
18) Benzo(a)anthracene	21.30	228	2922	0.43	ng/ul	98
19) Chrysene	21.35	228	3216	0.42	ng/ul	94
21) Benzo(b)fluoranthene	22.89	252	3364	0.43	ng/ul	97
22) Benzo(k)fluoranthene	22.93	252	3350	0.41	ng/ul	98
23) Benzo(a)pyrene	23.47	252	3234	0.45	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.84	276	3880	0.44	ng/ul	97
25) Dibenzo(a,h)anthracene	25.85	278	3093	0.44	ng/ul	97
26) Benzo(g,h,i)perylene	26.54	276	3442	0.44	ng/ul	95

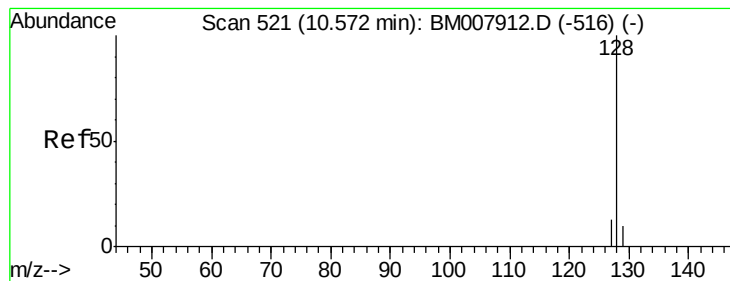
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 521

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

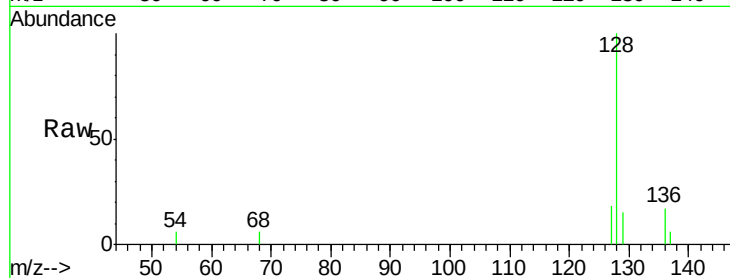
Tgt Ion:128 Resp: 2484

Ion Ratio Lower Upper

128 100

129 14.7 11.3 16.9

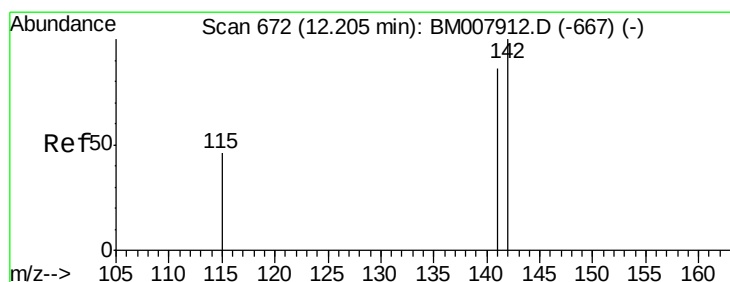
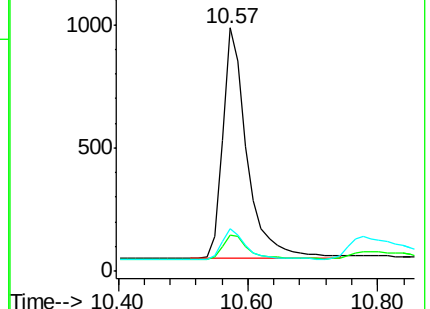
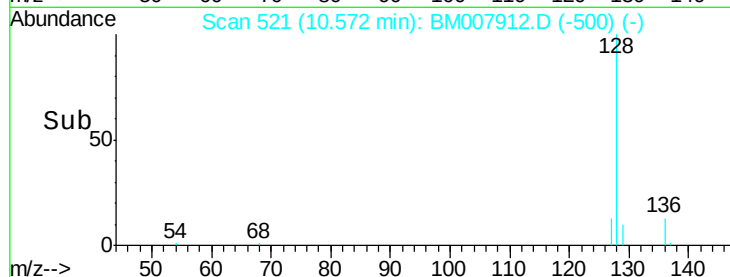
127 17.5 12.8 19.2



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: 0.42 ng/ul

RT: 12.20 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM007912.D

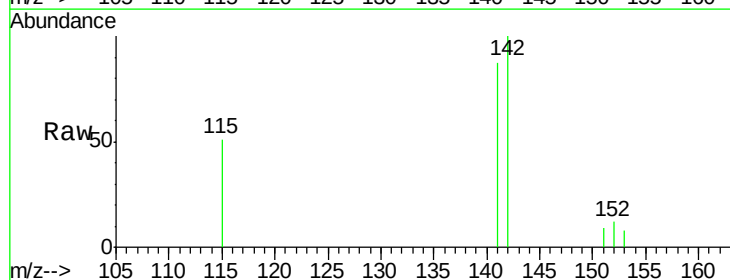
Acq: 16 Nov 2016 09:45

Tgt Ion:142 Resp: 1604

Ion Ratio Lower Upper

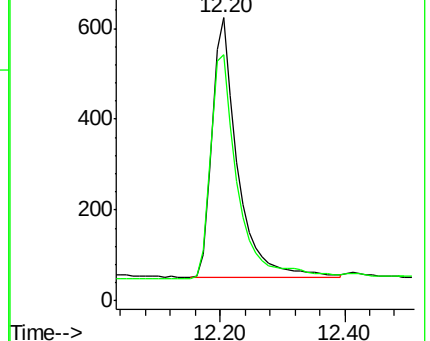
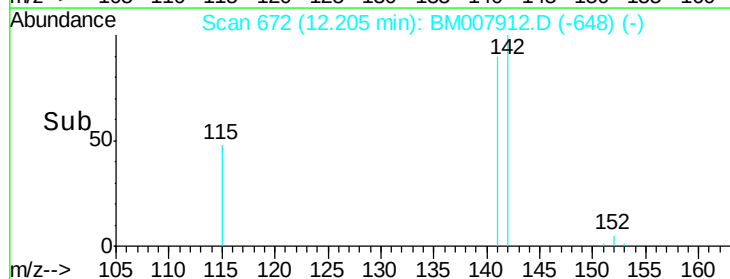
142 100

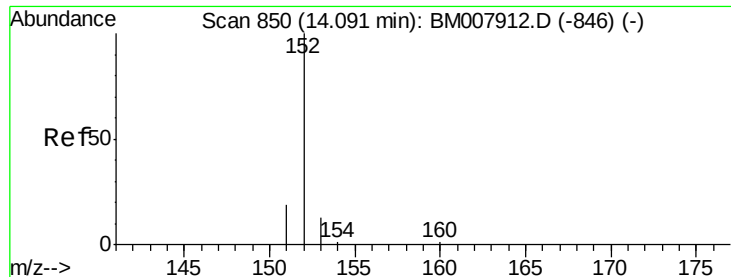
141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

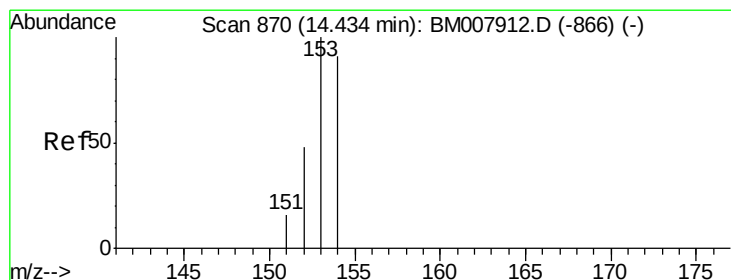
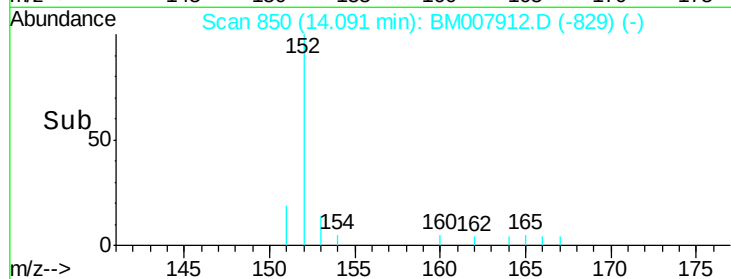
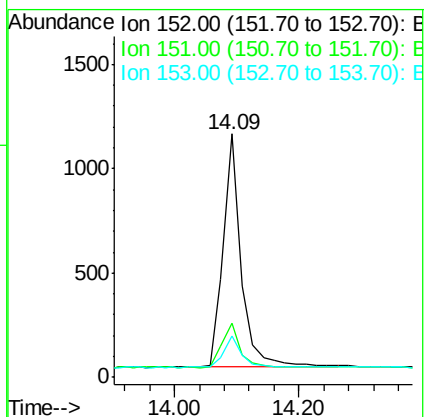
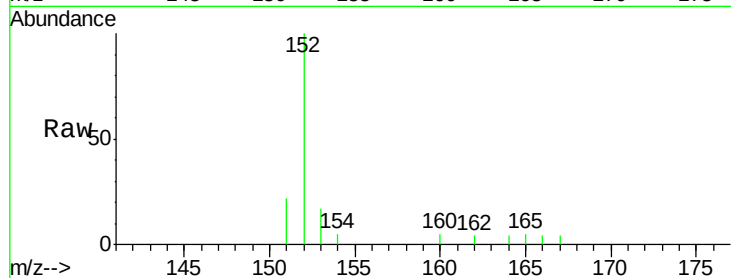
Tgt Ion:152 Resp: 2243

Ion Ratio Lower Upper

152 100

151 22.1 17.1 25.7

153 17.1 12.8 19.2



#8

Acenaphthene

Concen: 0.37 ng/ul

RT: 14.43 min Scan# 870

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

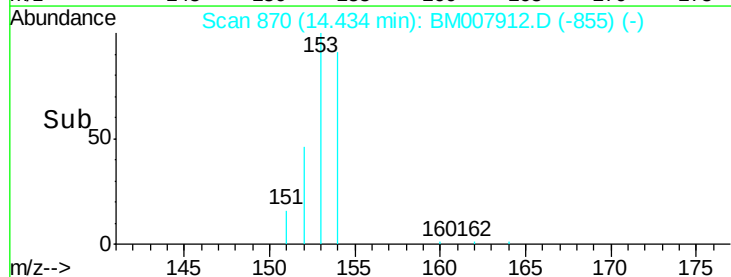
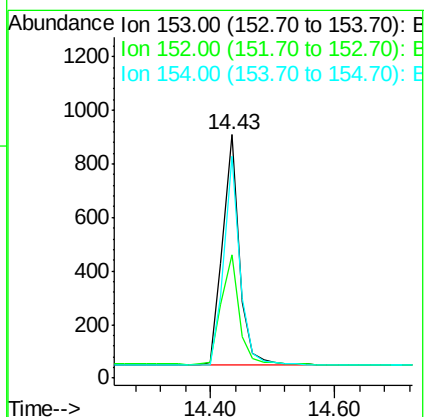
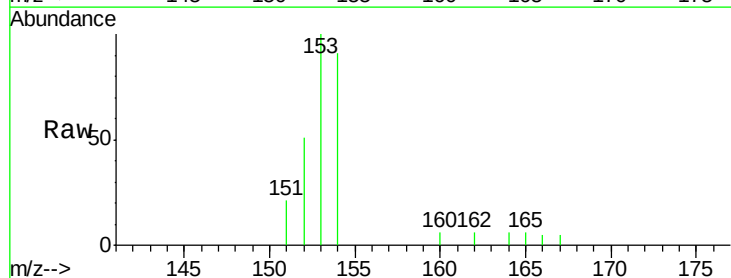
Tgt Ion:153 Resp: 1616

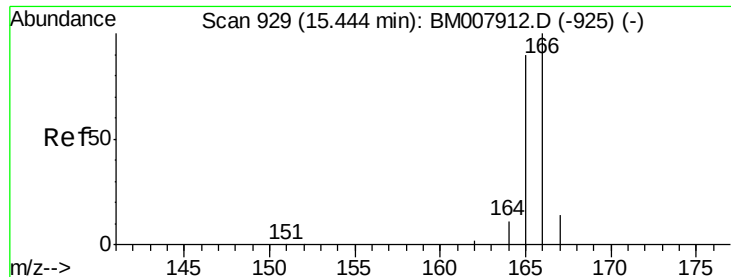
Ion Ratio Lower Upper

153 100

152 50.9 40.3 60.5

154 91.3 71.4 107.2

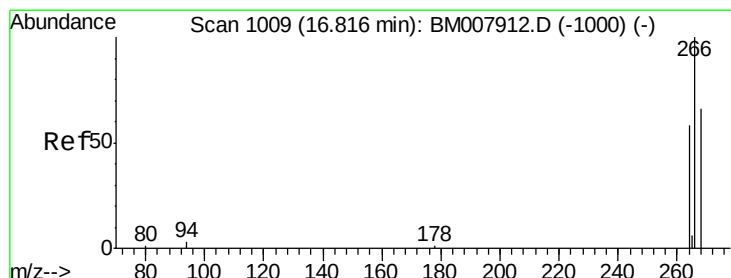
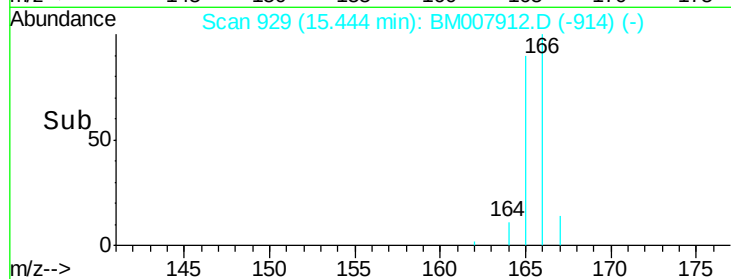
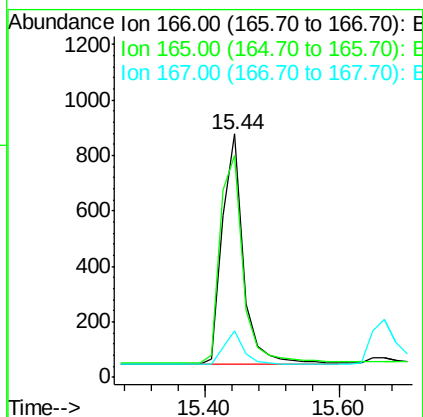
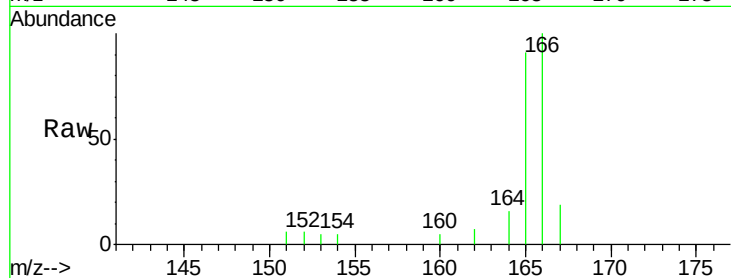




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.44 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM007912.D
 Acq: 16 Nov 2016 09:45

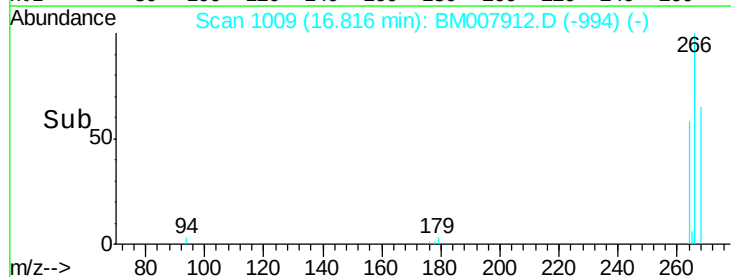
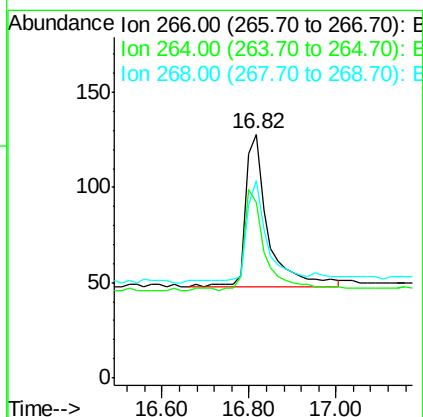
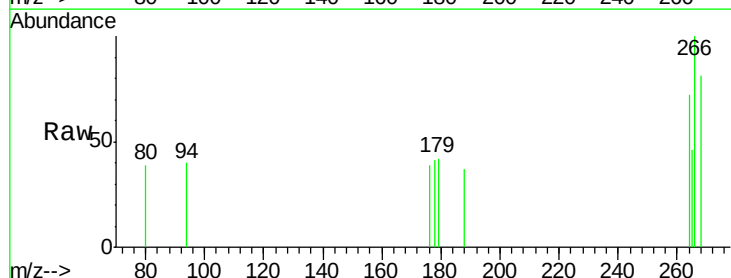
Instrument :
 BNA_M
 ClientSampleId :
 SST0.464

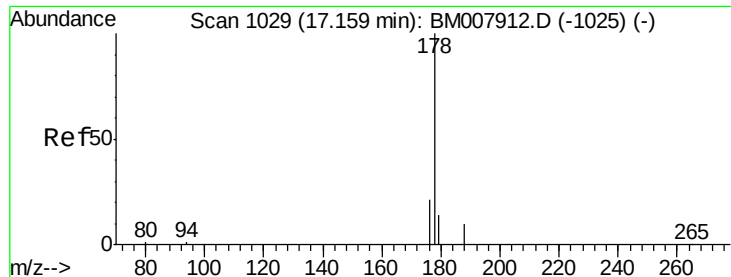
Tgt Ion:166 Resp: 1815
 Ion Ratio Lower Upper
 166 100
 165 91.2 73.4 110.2
 167 19.1 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.82 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BM007912.D
 Acq: 16 Nov 2016 09:45

Tgt Ion:266 Resp: 281
 Ion Ratio Lower Upper
 266 100
 264 61.6 47.9 71.9
 268 58.4 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

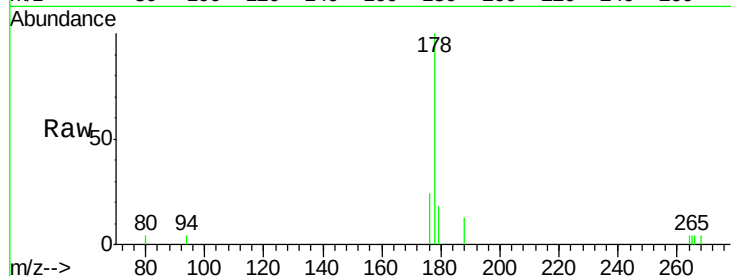
Tgt Ion:178 Resp: 2768

Ion Ratio Lower Upper

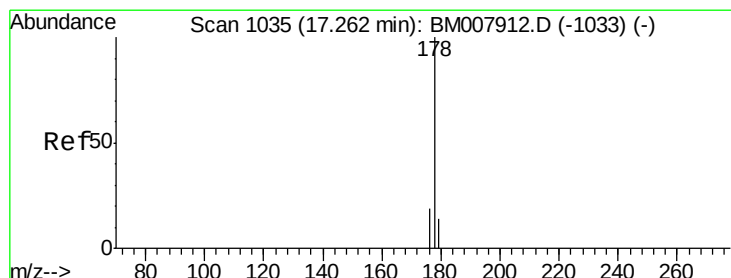
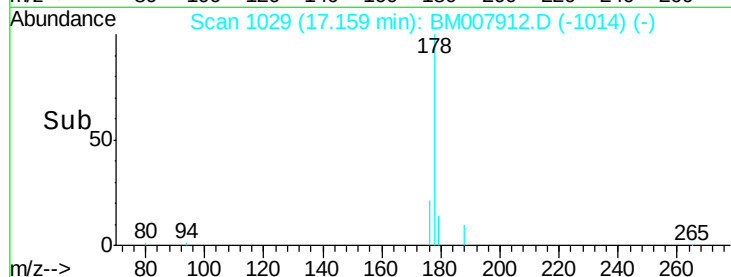
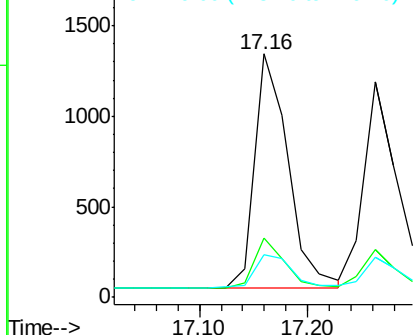
178 100

176 24.2 18.4 27.6

179 17.6 13.6 20.4



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



#13

Anthracene

Concen: 0.42 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

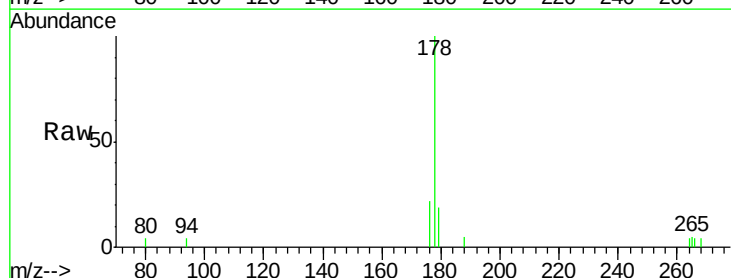
Tgt Ion:178 Resp: 2610

Ion Ratio Lower Upper

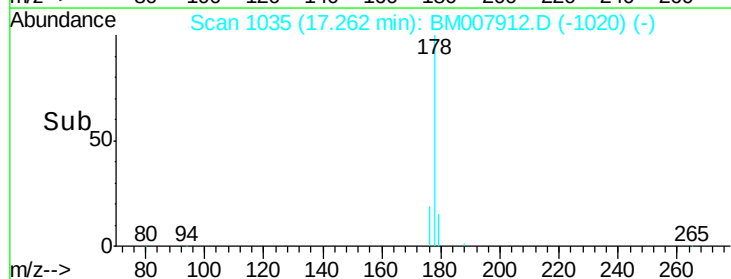
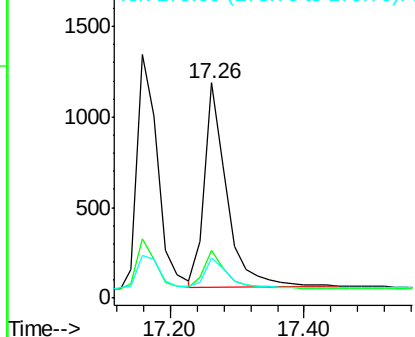
178 100

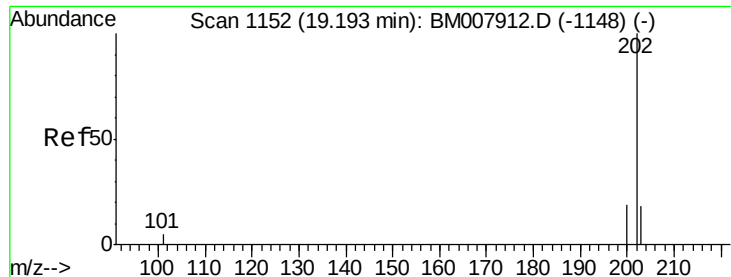
176 22.4 18.1 27.1

179 18.6 14.7 22.1



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

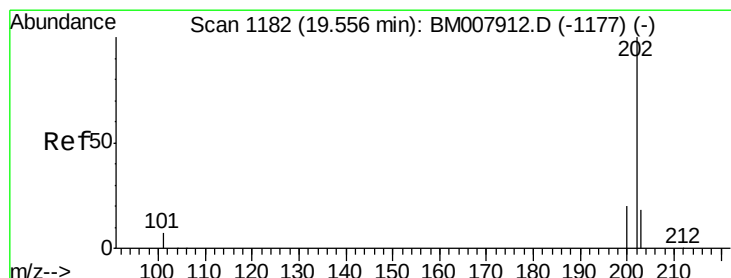
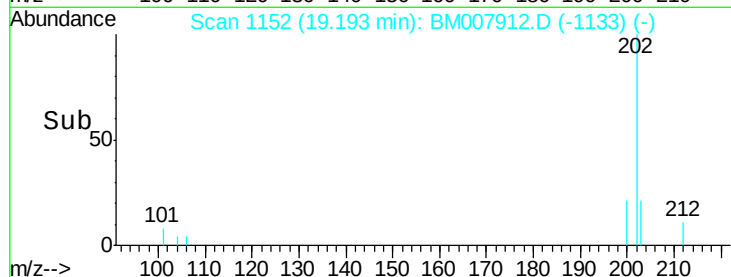
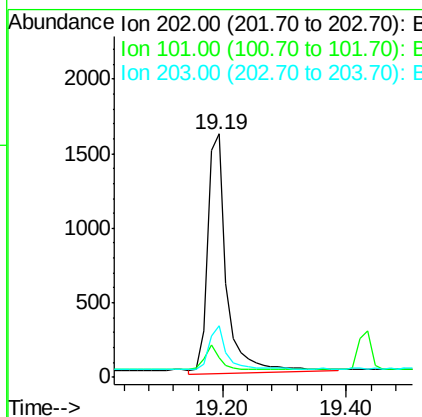
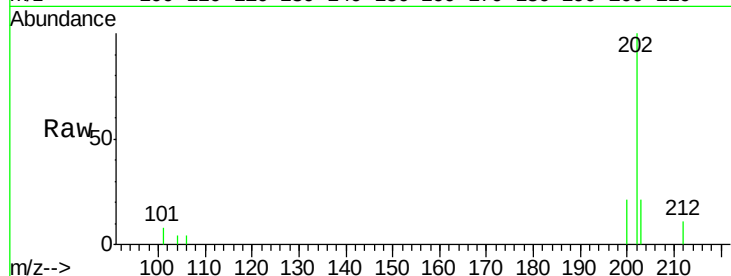




#15
Fluoranthene
 Concen: 0.43 ng/ul
 RT: 19.19 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BM007912.D
 Acq: 16 Nov 2016 09:45

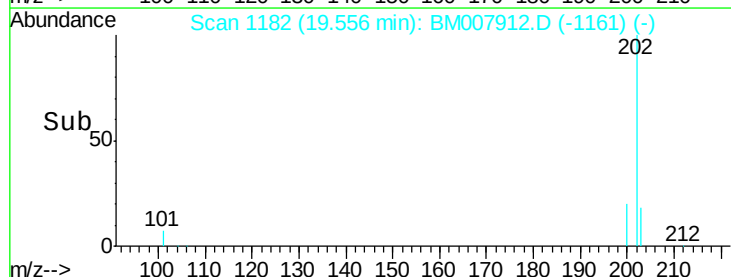
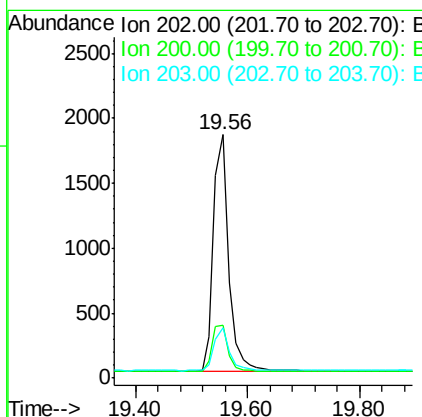
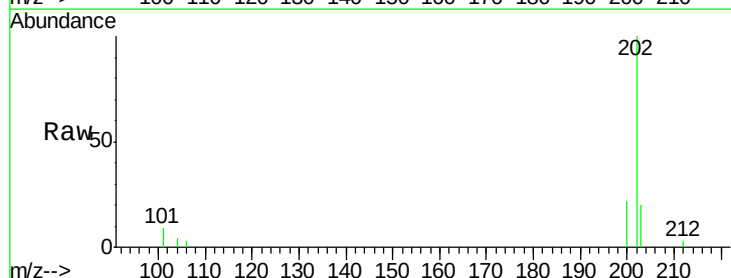
Instrument :
 BNA_M
 ClientSampleId :
 SST0.464

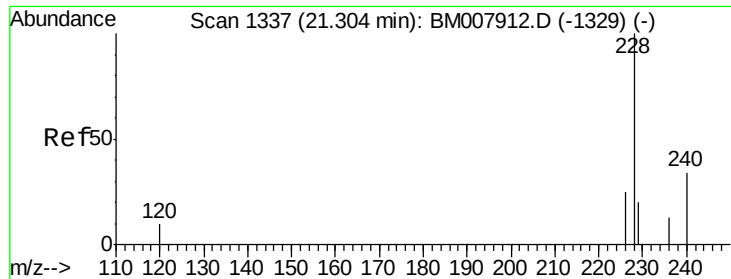
Tgt Ion:202 Resp: 3481
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 30.3
 203 21.1 0.0 39.5



#17
Pyrene
 Concen: 0.43 ng/ul
 RT: 19.56 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BM007912.D
 Acq: 16 Nov 2016 09:45

Tgt Ion:202 Resp: 3478
 Ion Ratio Lower Upper
 202 100
 200 21.8 18.2 27.4
 203 20.5 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

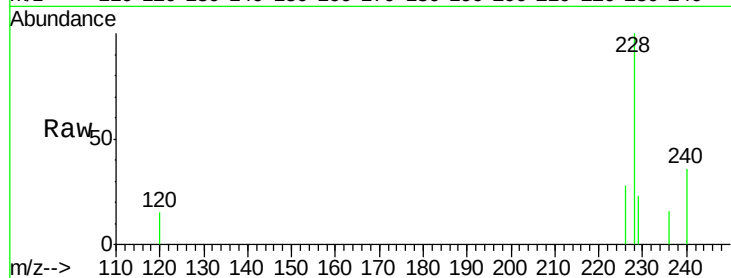
Tgt Ion:228 Resp: 2922

Ion Ratio Lower Upper

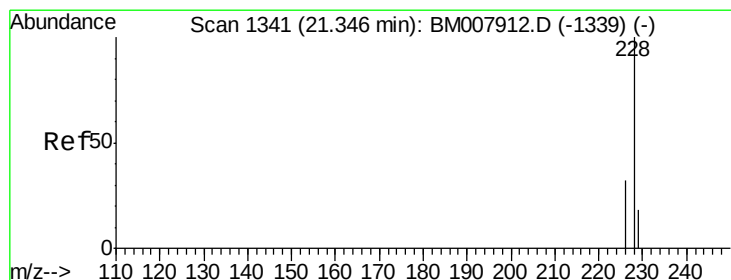
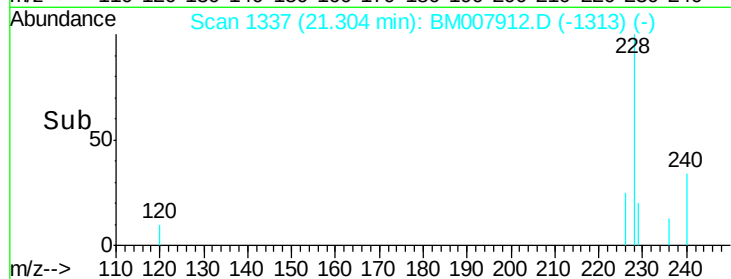
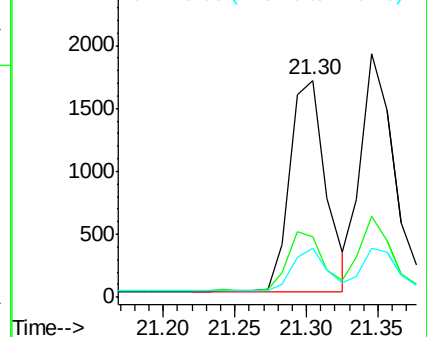
228 100

226 27.7 22.8 34.2

229 22.6 17.0 25.6



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



#19

Chrysene

Concen: 0.42 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

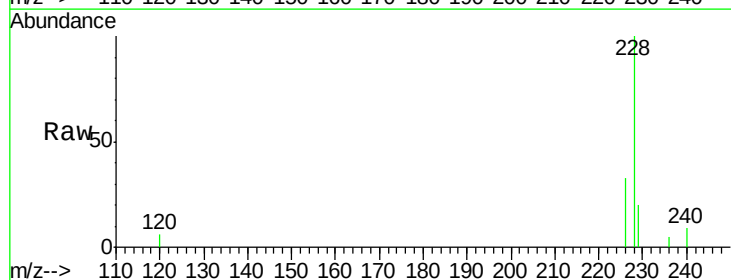
Tgt Ion:228 Resp: 3216

Ion Ratio Lower Upper

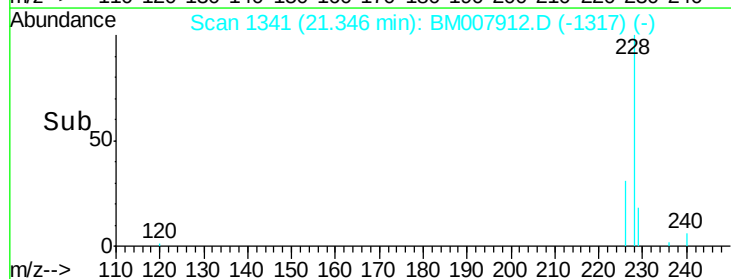
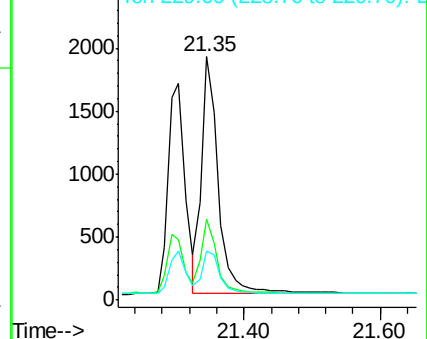
228 100

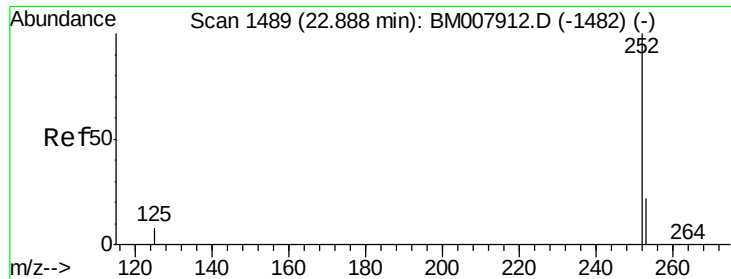
226 33.3 23.4 35.0

229 20.3 17.7 26.5



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





#21

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

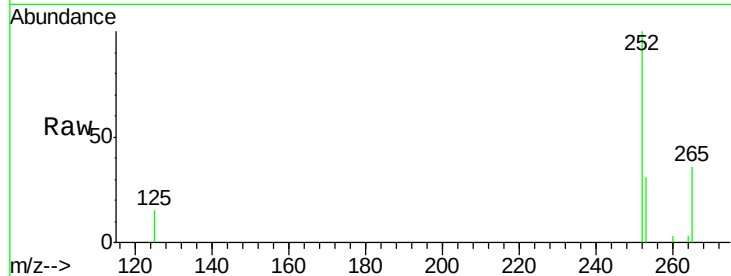
Tgt Ion:252 Resp: 3364

Ion Ratio Lower Upper

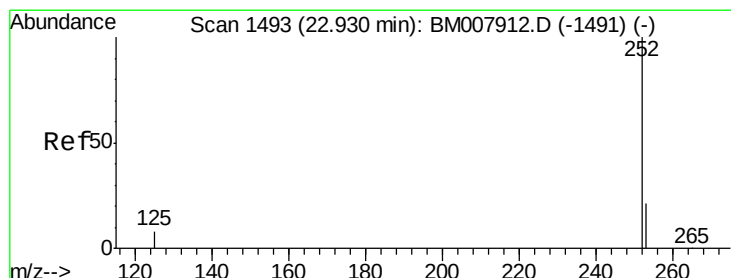
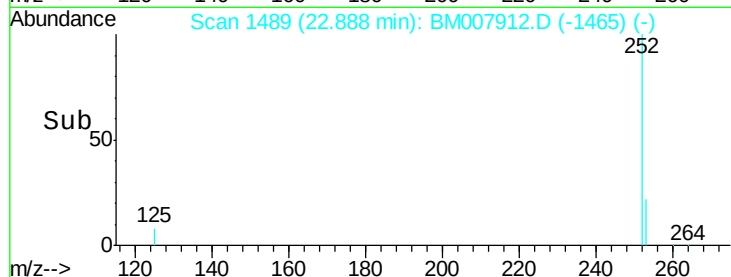
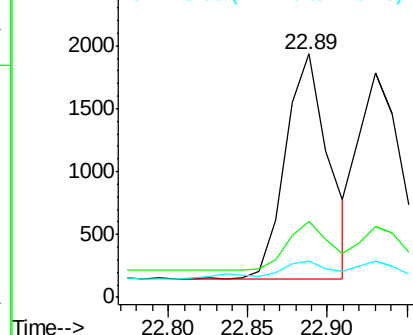
252 100

253 31.3 0.0 64.2

125 15.0 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

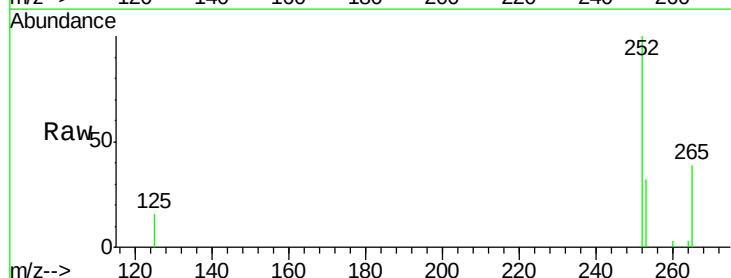
Tgt Ion:252 Resp: 3350

Ion Ratio Lower Upper

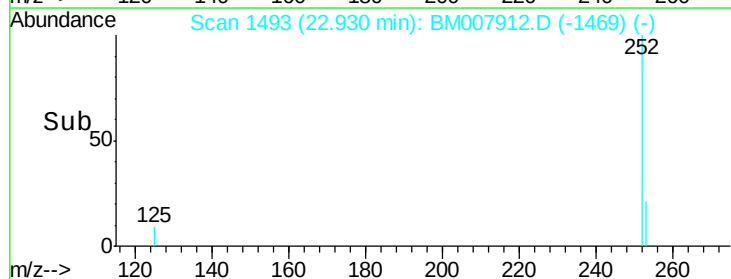
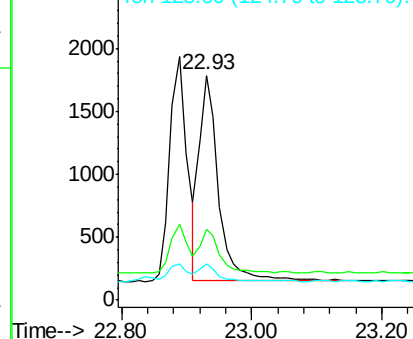
252 100

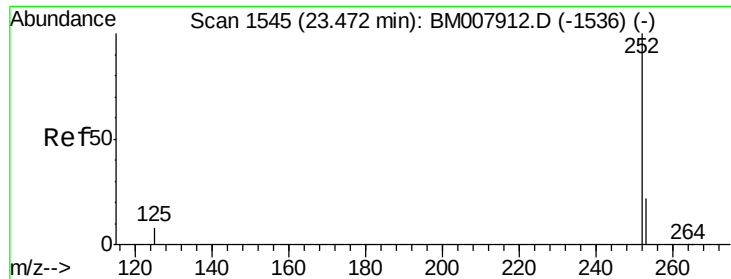
253 31.6 24.5 36.7

125 16.2 13.7 20.5



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





#23

Benzo(a)pyrene

Concen: 0.45 ng/ul

RT: 23.47 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

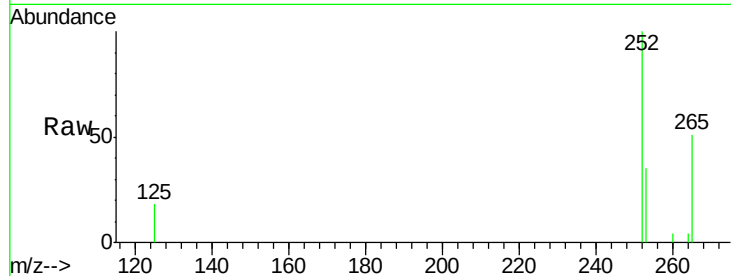
Tgt Ion:252 Resp: 3234

Ion Ratio Lower Upper

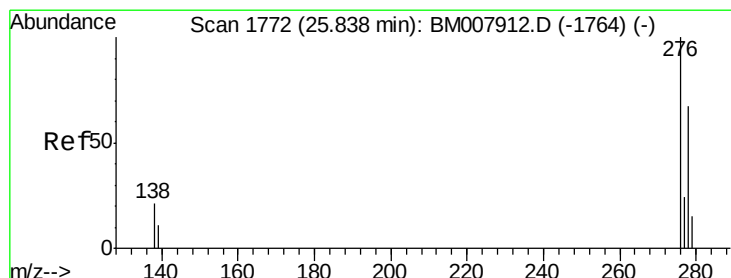
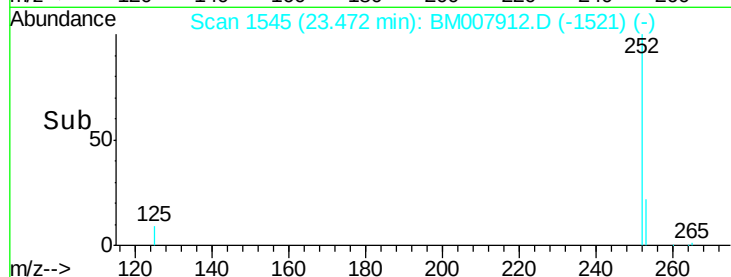
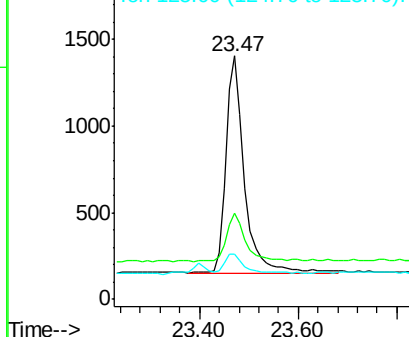
252 100

253 35.4 28.5 42.7

125 18.4 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.44 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

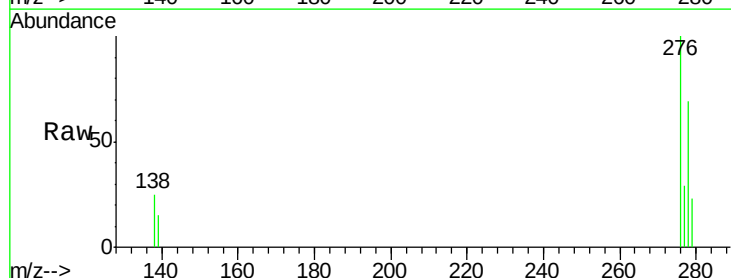
Tgt Ion:276 Resp: 3880

Ion Ratio Lower Upper

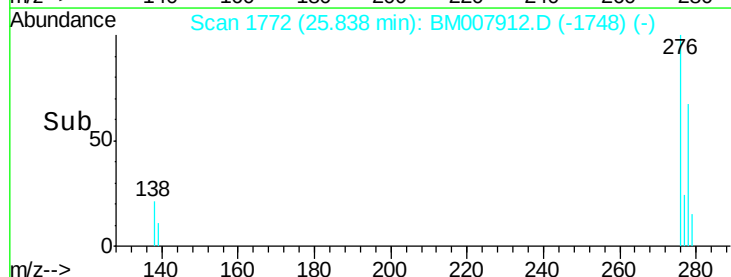
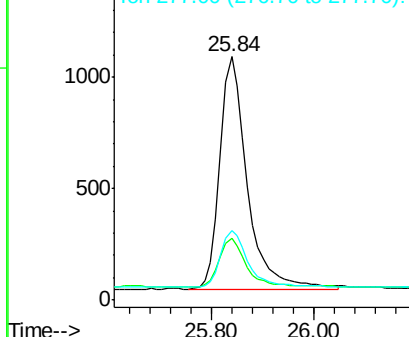
276 100

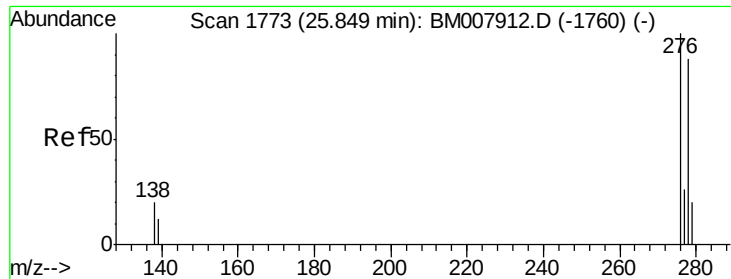
138 21.2 19.1 28.7

277 25.0 19.6 29.4



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





#25

Dibenzo(a,h)anthracene

Concen: 0.44 ng/ul

RT: 25.85 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

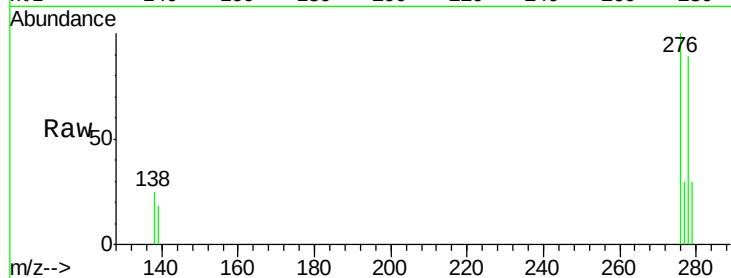
Tgt Ion:278 Resp: 3093

Ion Ratio Lower Upper

278 100

139 19.7 17.4 26.0

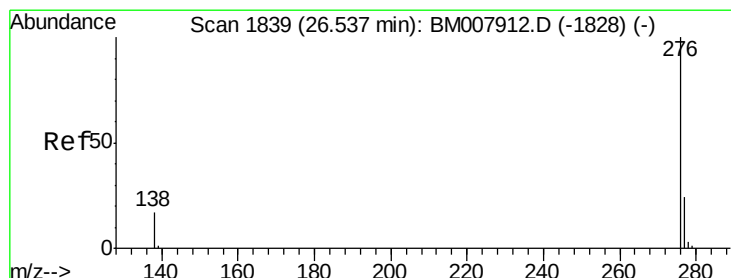
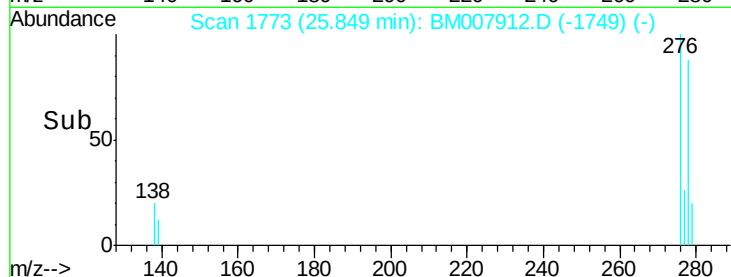
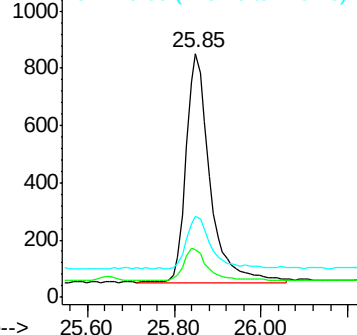
279 33.3 25.9 38.9



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



#26

Benzo(g,h,i)perylene

Concen: 0.44 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM007912.D

Acq: 16 Nov 2016 09:45

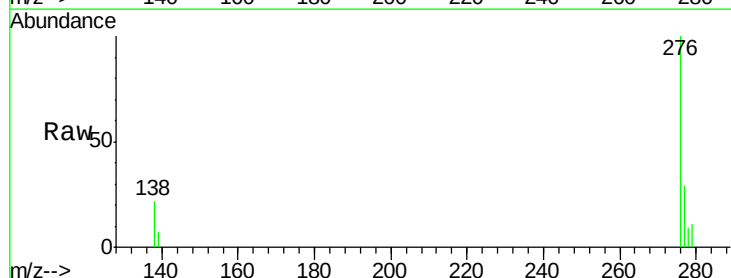
Tgt Ion:276 Resp: 3442

Ion Ratio Lower Upper

276 100

277 28.8 21.8 32.8

138 22.1 20.5 30.7



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

