

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060517\
 Data File : BM010419.D
 Acq On : 05 Jun 2017 11:44
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.421

Quant Time: Jun 05 13:25:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM053017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 04:03:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	672	0.40	ng/ul	0.00
2) Naphthalene-d8	10.72	136	1908	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	1050	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	2453	0.40	ng/ul	0.00
16) Chrysene-d12	21.46	240	2594	0.40	ng/ul	0.00
20) Perylene-d12	23.81	264	2779	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.30	152	1111	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.31	212	2759	0.42	ng/ul	0.00

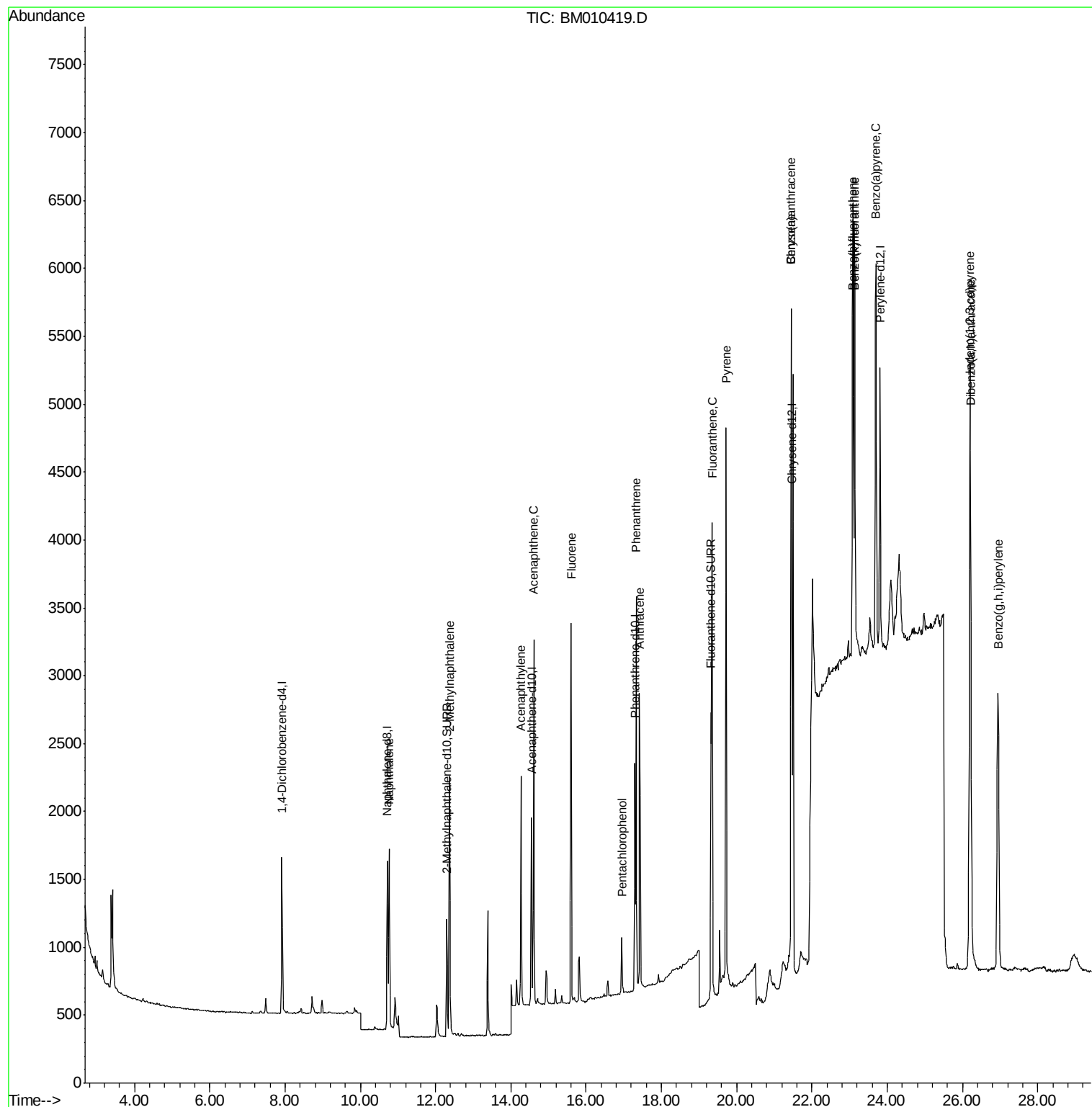
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.77	128	1939	0.385	ng/ul	96
5) 2-Methylnaphthalene	12.37	142	1433	0.404	ng/ul	99
7) Acenaphthylene	14.26	152	2169	0.414	ng/ul	96
8) Acenaphthene	14.61	153	1594	0.402	ng/ul	99
9) Fluorene	15.60	166	1865	0.393	ng/ul	94
11) Pentachlorophenol	16.95	266	424	0.452	ng/ul	93
12) Phenanthrene	17.33	178	3067	0.389	ng/ul	98
13) Anthracene	17.42	178	3024	0.410	ng/ul	98
15) Fluoranthene	19.35	202	4062	0.415	ng/ul	90
17) Pyrene	19.71	202	4408	0.399	ng/ul#	94
18) Benzo(a)anthracene	21.44	228	4509	0.428	ng/ul	96
19) Chrysene	21.44	228	4474	0.439	ng/ul	97
21) Benzo(b)fluoranthene	23.09	252	4721	0.388	ng/ul	87
22) Benzo(k)fluoranthene	23.13	252	4608	0.398	ng/ul#	84
23) Benzo(a)pyrene	23.70	252	4710	0.409	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.19	276	5745	0.380	ng/ul	99
25) Dibenzo(a,h)anthracene	26.21	278	4621	0.383	ng/ul	93
26) Benzo(g,h,i)perylene	26.94	276	4846	0.371	ng/ul	95

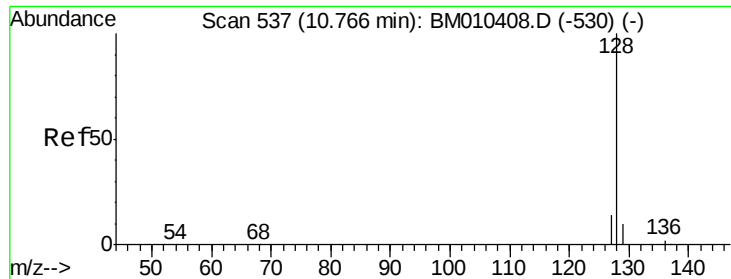
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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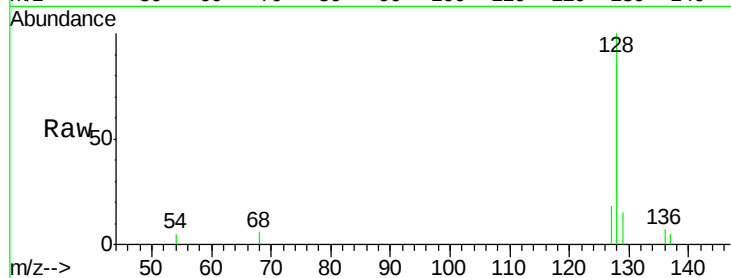




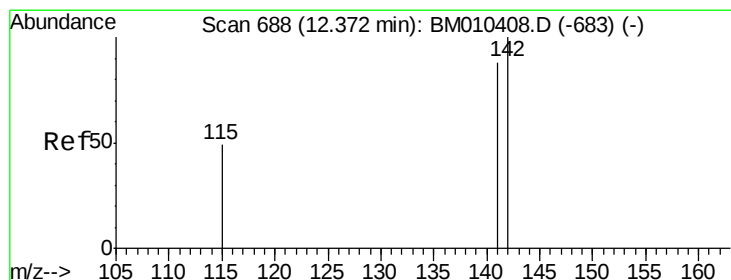
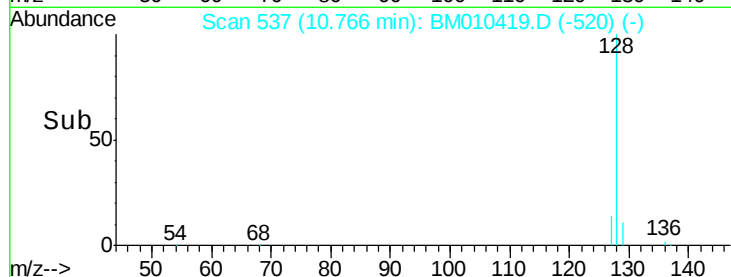
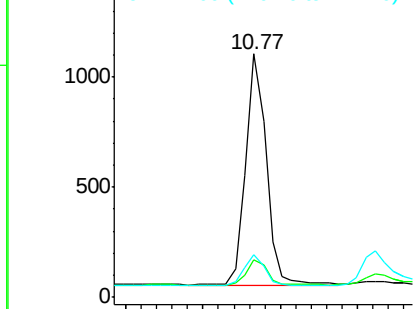
#3
Naphthalene
Concen: 0.385 ng/ul
RT: 10.77 min Scan# 537
Delta R.T. 0.00 min
Lab File: BM010419.D
Acq: 05 Jun 2017 11:44

Instrument :
BNA_M
ClientSampleId :
SSTD0.421

Tgt Ion:128 Resp: 1939
Ion Ratio Lower Upper
128 100
129 15.4 11.3 16.9
127 17.7 12.8 19.2

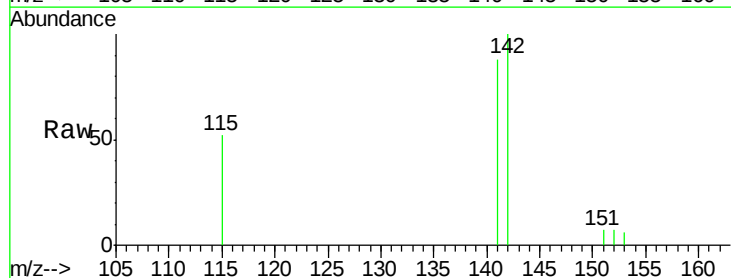


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

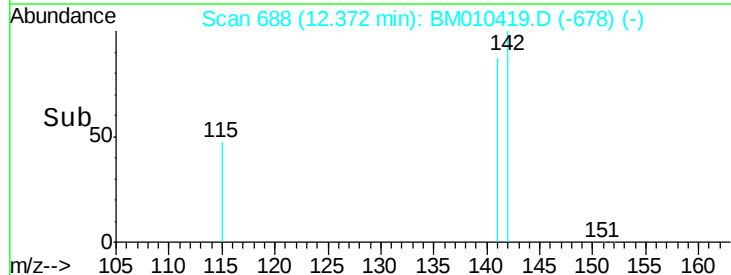
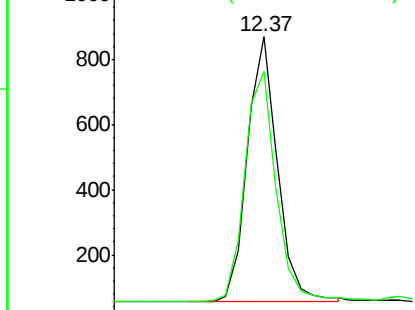


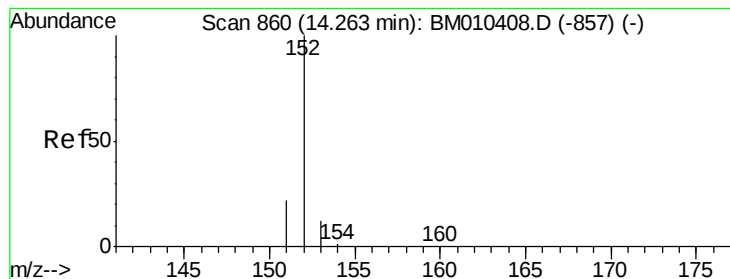
#5
2-Methylnaphthalene
Concen: 0.404 ng/ul
RT: 12.37 min Scan# 688
Delta R.T. -0.00 min
Lab File: BM010419.D
Acq: 05 Jun 2017 11:44

Tgt Ion:142 Resp: 1433
Ion Ratio Lower Upper
142 100
141 89.5 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: 0.414 ng/ul

RT: 14.26 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

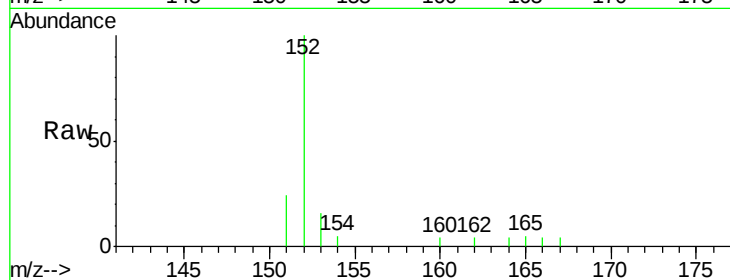
Tgt Ion:152 Resp: 2169

Ion Ratio Lower Upper

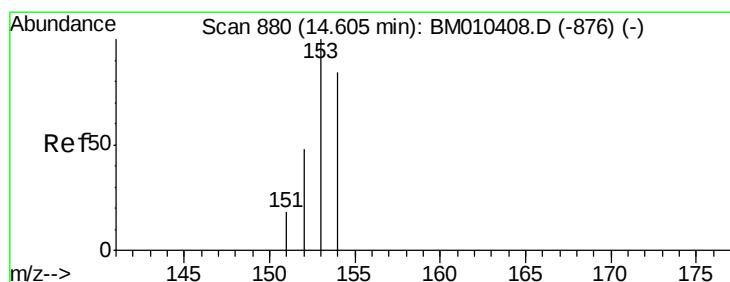
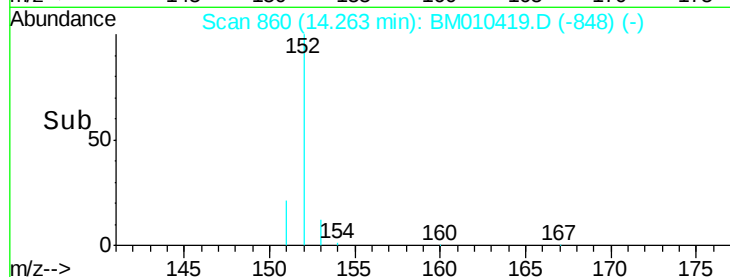
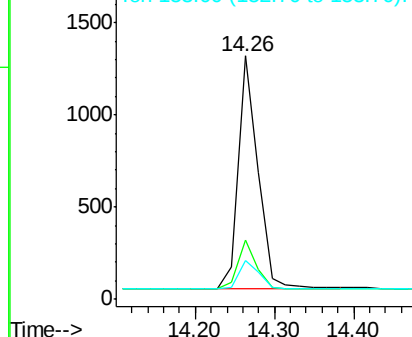
152 100

151 24.4 17.1 25.7

153 15.9 12.8 19.2



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



#8

Acenaphthene

Concen: 0.402 ng/ul

RT: 14.61 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

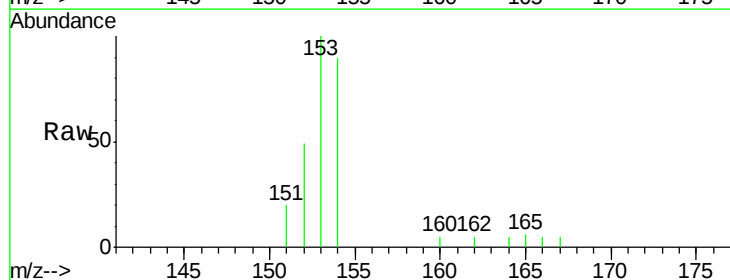
Tgt Ion:153 Resp: 1594

Ion Ratio Lower Upper

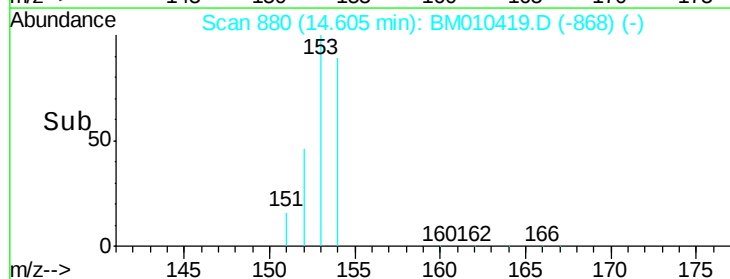
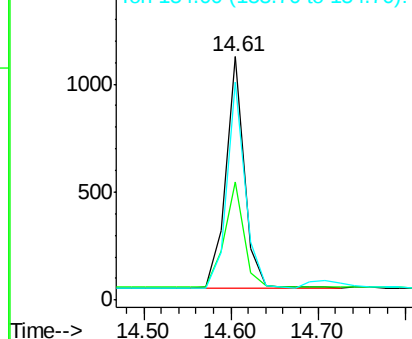
153 100

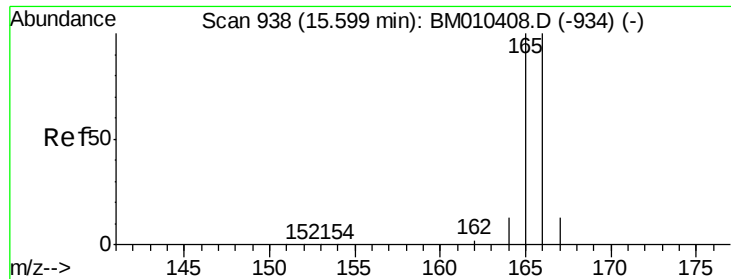
152 48.7 40.3 60.5

154 89.8 71.4 107.2



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





#9

Fluorene

Concen: 0.393 ng/ul

RT: 15.60 min Scan# 938

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

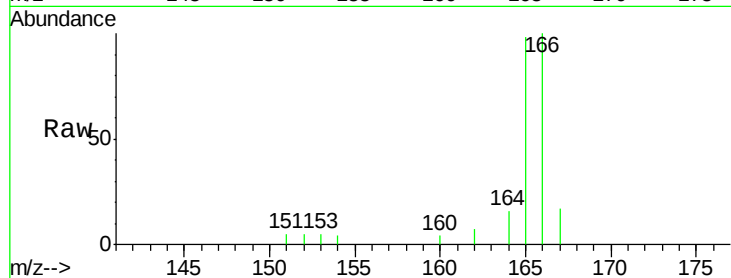
Tgt Ion:166 Resp: 1865

Ion Ratio Lower Upper

166 100

165 98.3 73.4 110.2

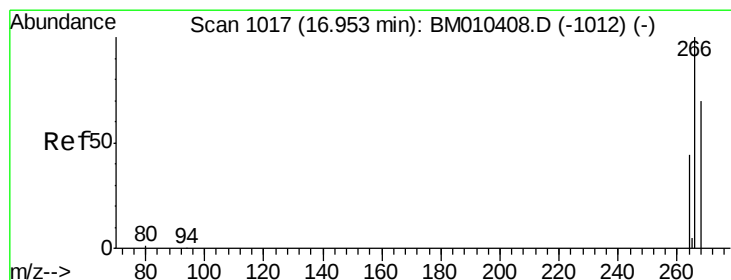
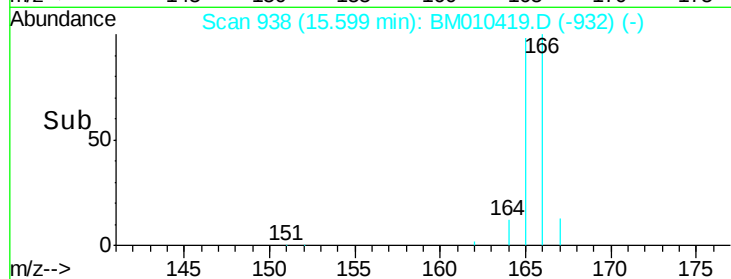
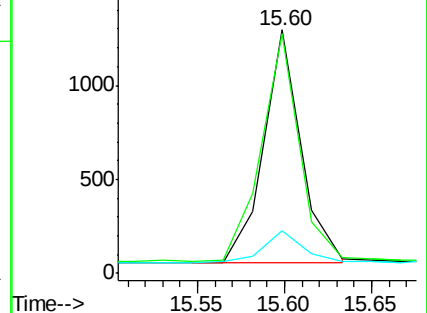
167 17.3 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.452 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

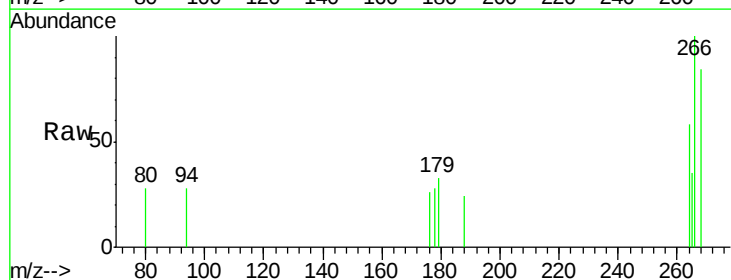
Tgt Ion:266 Resp: 424

Ion Ratio Lower Upper

266 100

264 63.9 47.9 71.9

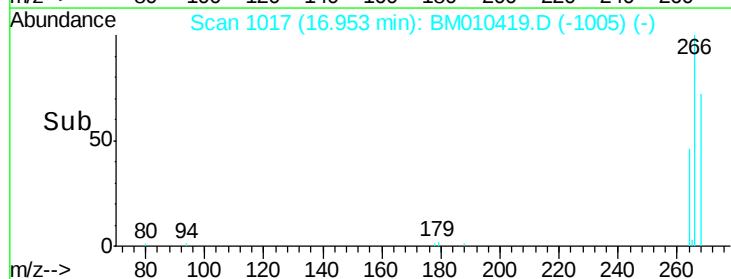
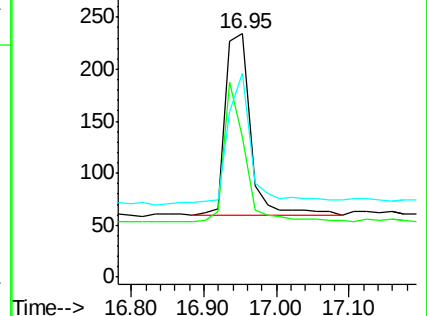
268 68.9 49.8 74.8

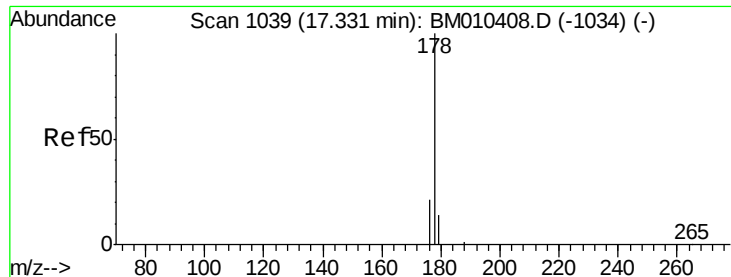


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.389 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

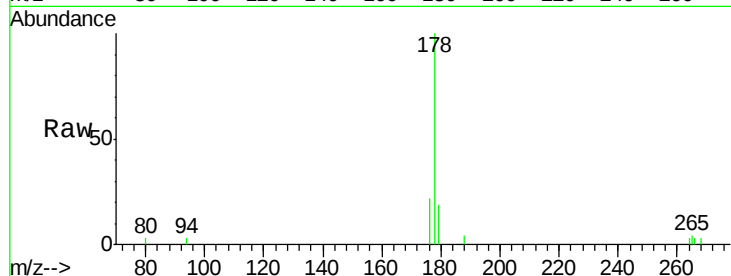
Tgt Ion:178 Resp: 3067

Ion Ratio Lower Upper

178 100

176 22.4 18.4 27.6

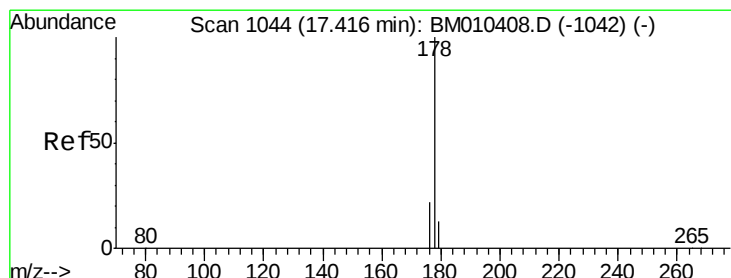
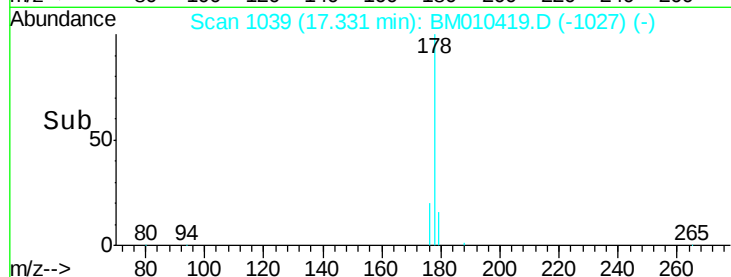
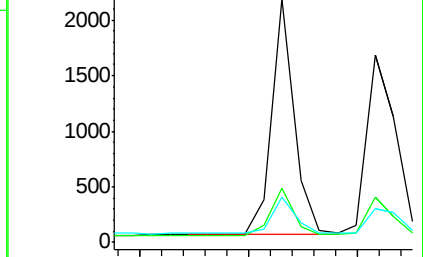
179 18.7 13.6 20.4



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: 0.410 ng/ul

RT: 17.42 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

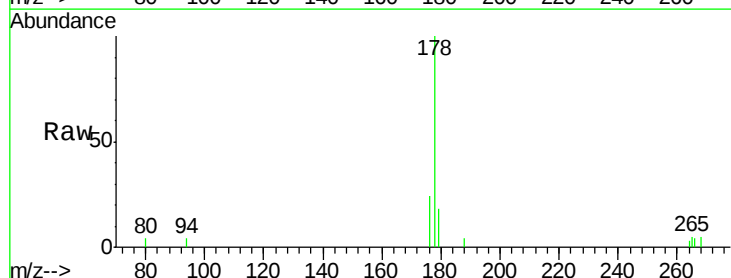
Tgt Ion:178 Resp: 3024

Ion Ratio Lower Upper

178 100

176 24.0 18.1 27.1

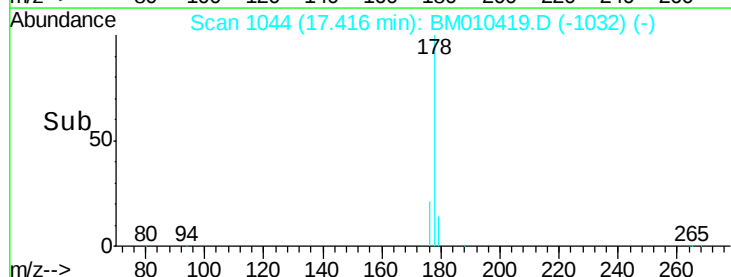
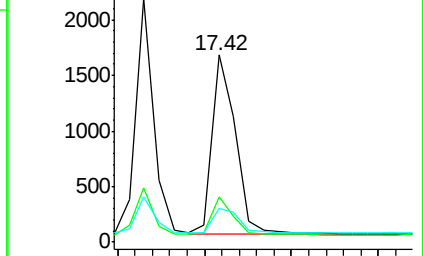
179 17.8 14.7 22.1

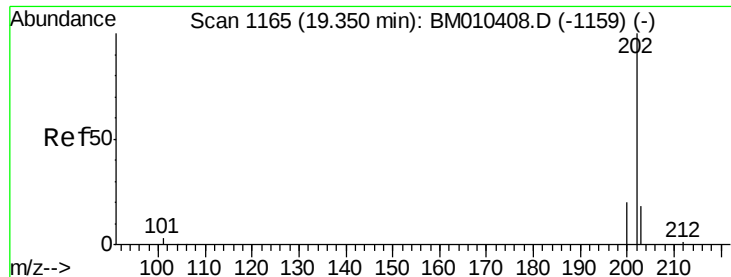


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.415 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

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ClientSampleId :

SSTD0.421

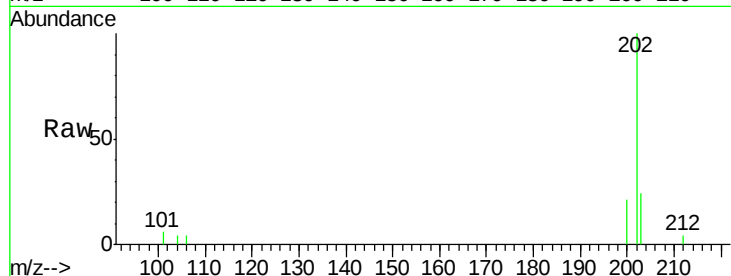
Tgt Ion:202 Resp: 4062

Ion Ratio Lower Upper

202 100

101 5.7 0.0 30.3

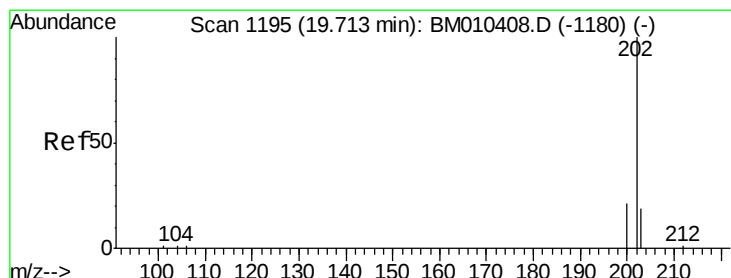
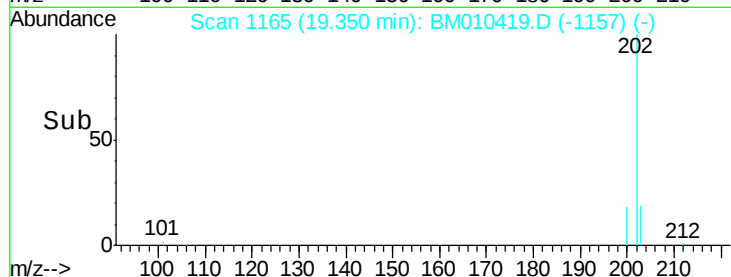
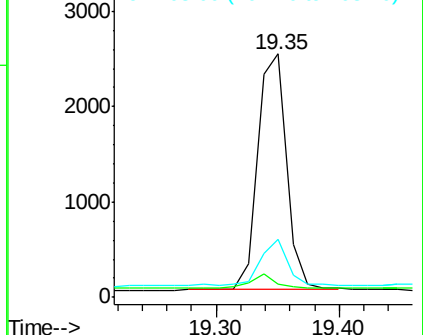
203 23.6 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.399 ng/ul

RT: 19.71 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

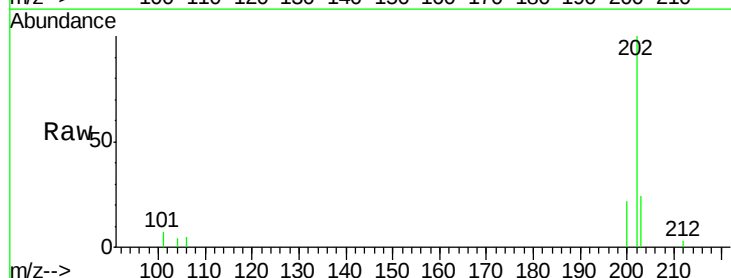
Tgt Ion:202 Resp: 4408

Ion Ratio Lower Upper

202 100

200 21.7 18.2 27.4

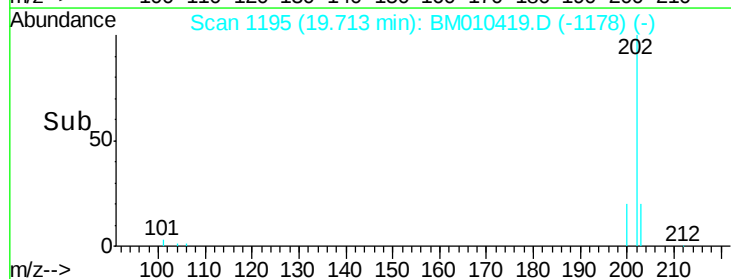
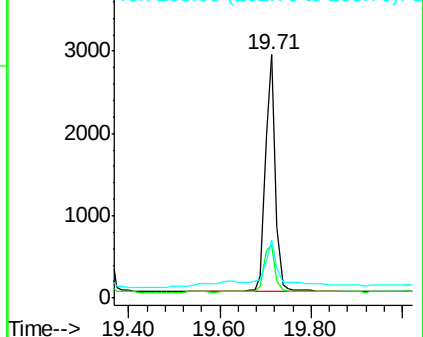
203 23.8 15.6 23.4#

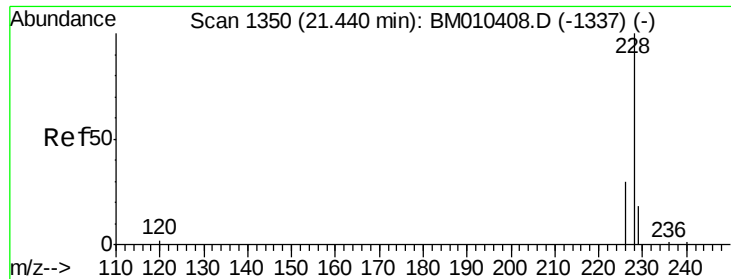


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.428 ng/ul

RT: 21.44 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

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ClientSampleId :

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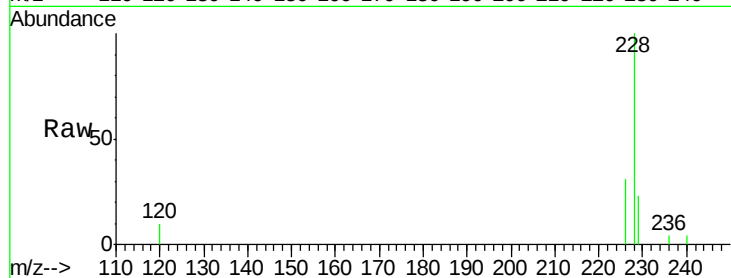
Tgt Ion:228 Resp: 4509

Ion Ratio Lower Upper

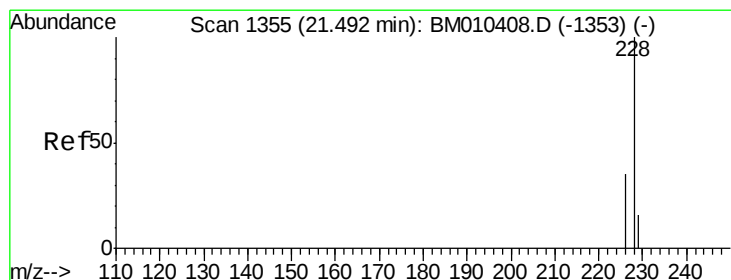
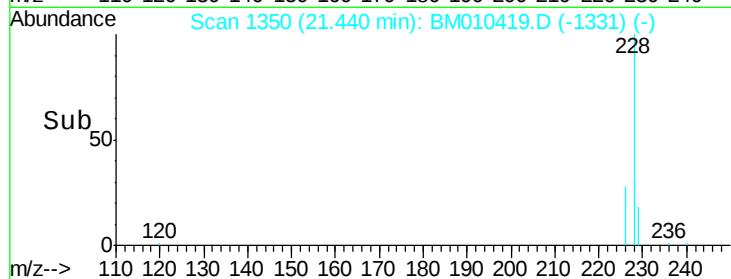
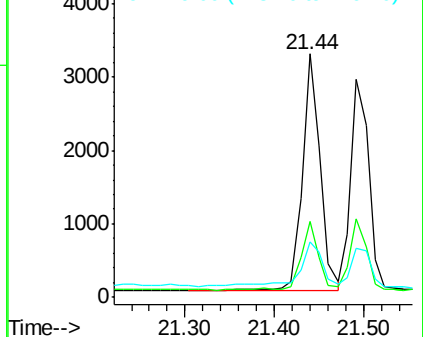
228 100

226 31.0 22.8 34.2

229 22.8 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: 0.439 ng/ul

RT: 21.44 min Scan# 1350

Delta R.T. -0.05 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

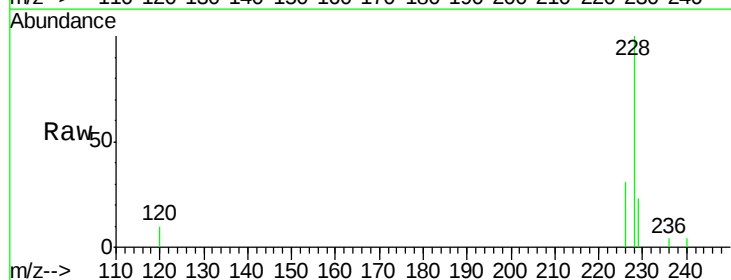
Tgt Ion:228 Resp: 4474

Ion Ratio Lower Upper

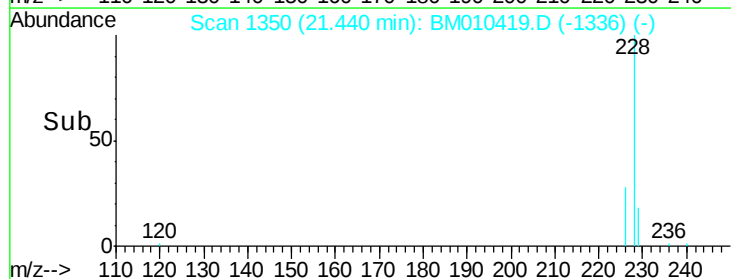
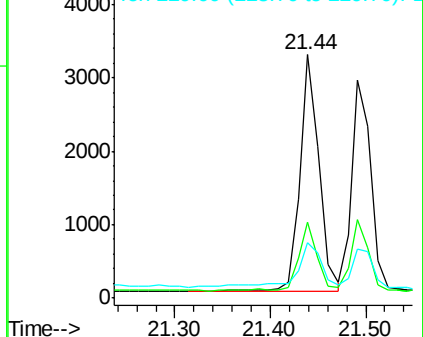
228 100

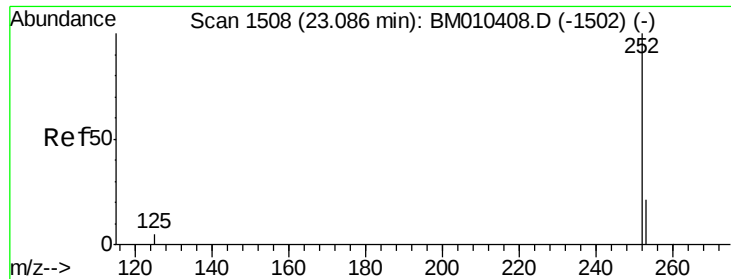
226 31.0 23.4 35.0

229 22.8 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: 0.388 ng/ul

RT: 23.09 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

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SSTD0.421

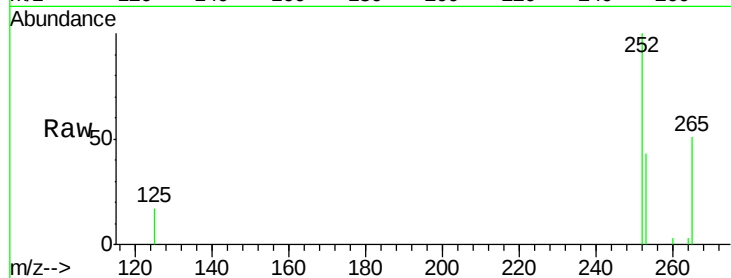
Tgt Ion:252 Resp: 4721

Ion Ratio Lower Upper

252 100

253 43.2 0.0 64.2

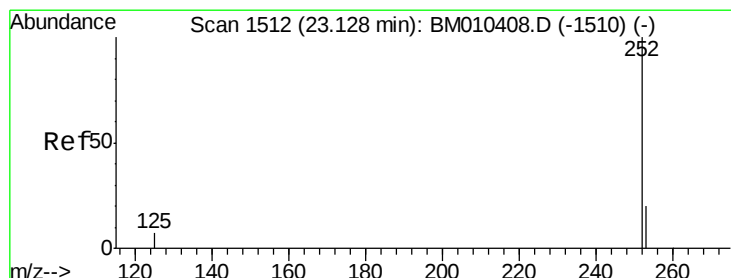
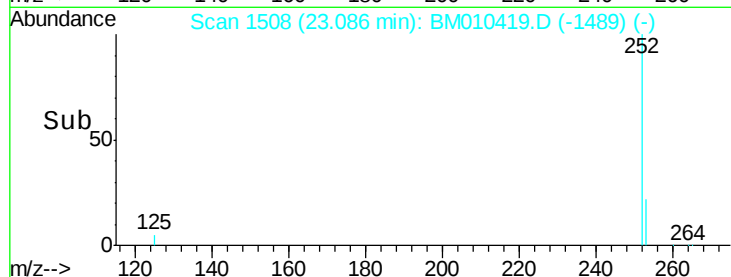
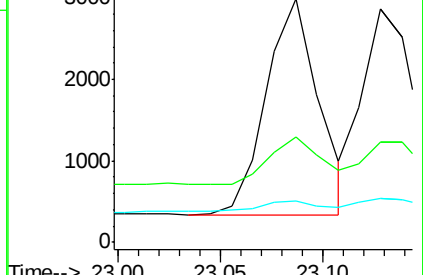
125 16.9 0.0 35.0



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: 0.398 ng/ul

RT: 23.13 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

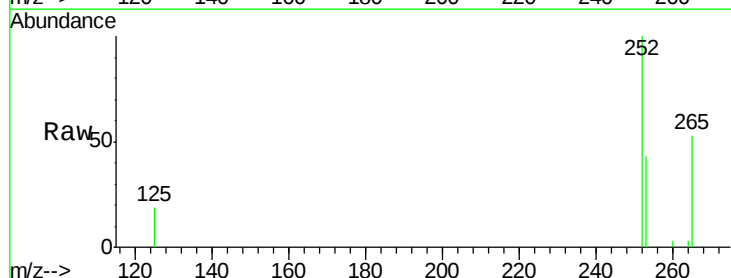
Tgt Ion:252 Resp: 4608

Ion Ratio Lower Upper

252 100

253 42.9 24.5 36.7#

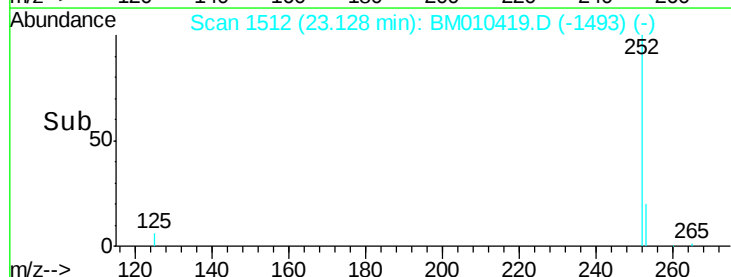
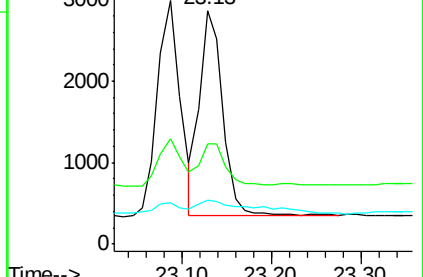
125 19.0 13.7 20.5

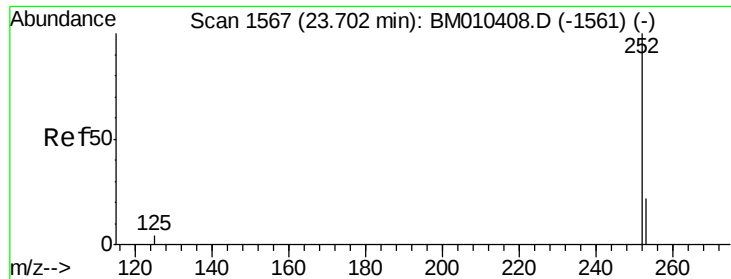


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.409 ng/u1

RT: 23.70 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.421

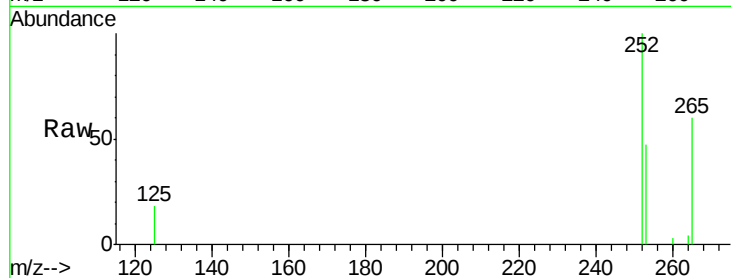
Tgt Ion:252 Resp: 4710

Ion Ratio Lower Upper

252 100

253 47.4 28.5 42.7#

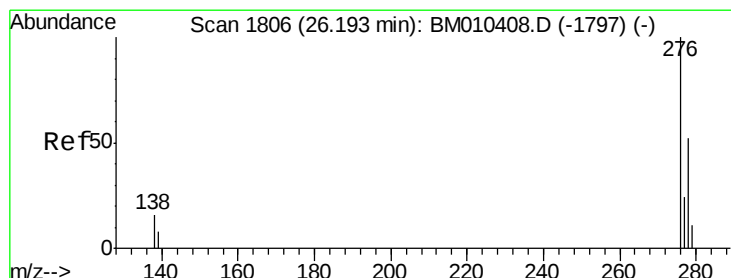
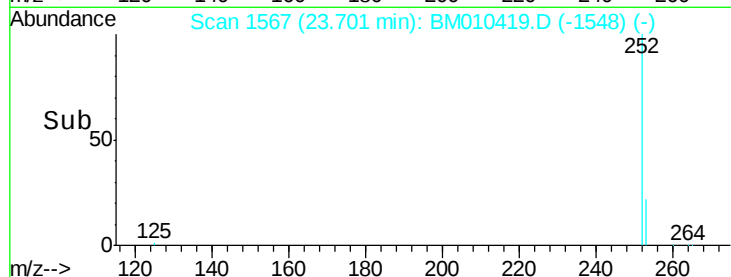
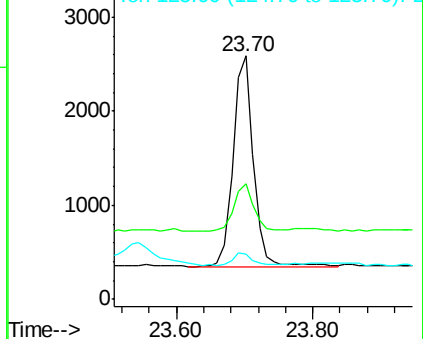
125 18.3 18.1 27.1



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: 0.380 ng/u1

RT: 26.19 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BM010419.D

Acq: 05 Jun 2017 11:44

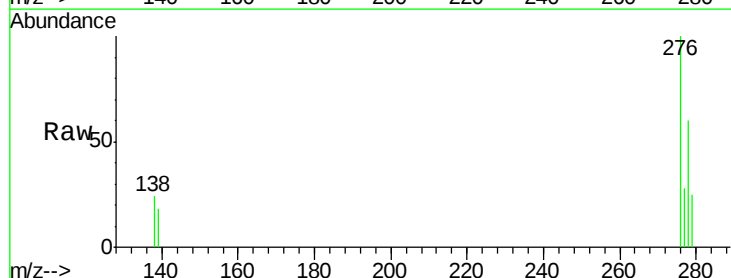
Tgt Ion:276 Resp: 5745

Ion Ratio Lower Upper

276 100

138 23.8 19.1 28.7

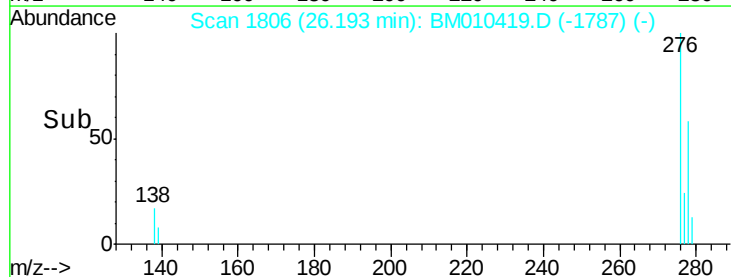
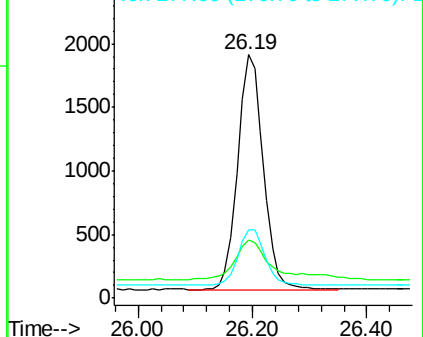
277 25.6 19.6 29.4

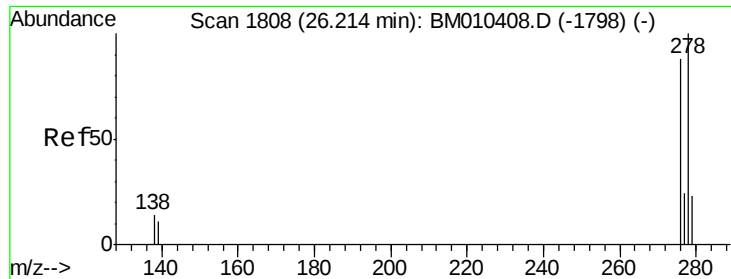


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



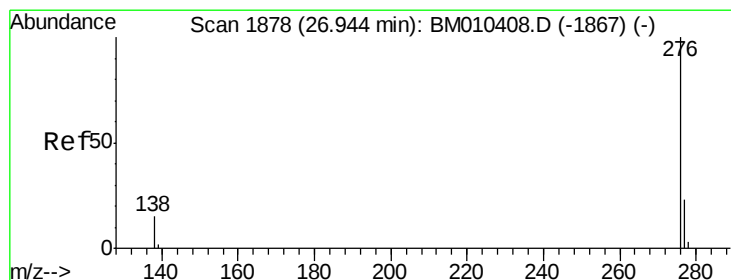
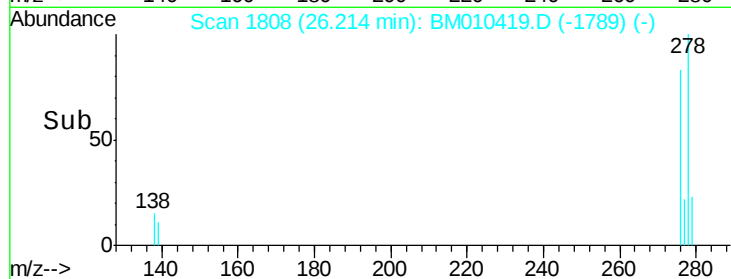
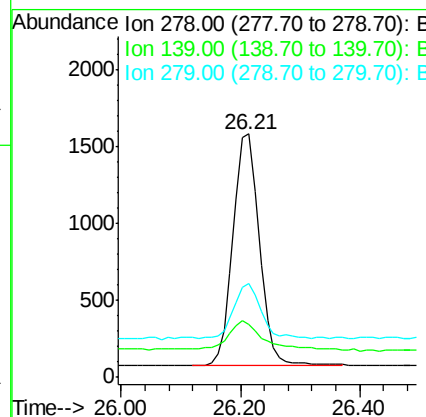
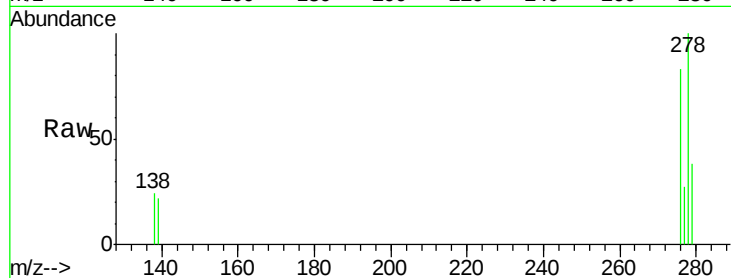


#25
Dibenzo(a,h)anthracene
Concen: 0.383 ng/ul
RT: 26.21 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM010419.D
Acq: 05 Jun 2017 11:44

Instrument :
BNA_M
ClientSampleId :
SSTD0.421

Tgt Ion: 278 Resp: 4621

Ion	Ratio	Lower	Upper
278	100		
139	21.9	17.4	26.0
279	38.4	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.371 ng/ul
RT: 26.94 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BM010419.D
Acq: 05 Jun 2017 11:44

Tgt Ion: 276 Resp: 4846

Ion	Ratio	Lower	Upper
276	100		
277	29.3	21.8	32.8
138	22.7	20.5	30.7

