

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092415\
 Data File : BM002718.D
 Acq On : 24 Sep 2015 18:52
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.483

Quant Time: Sep 25 02:01:56 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 24 17:00:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	9006	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	34360	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	16377	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	33221	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	30900	0.40	ng/ul	0.00
22) Perylene-d12	24.72	264	28483	0.40	ng/ul	-0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	9265	1.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	18687	0.37	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	32740	0.40	ng/ul	0.00

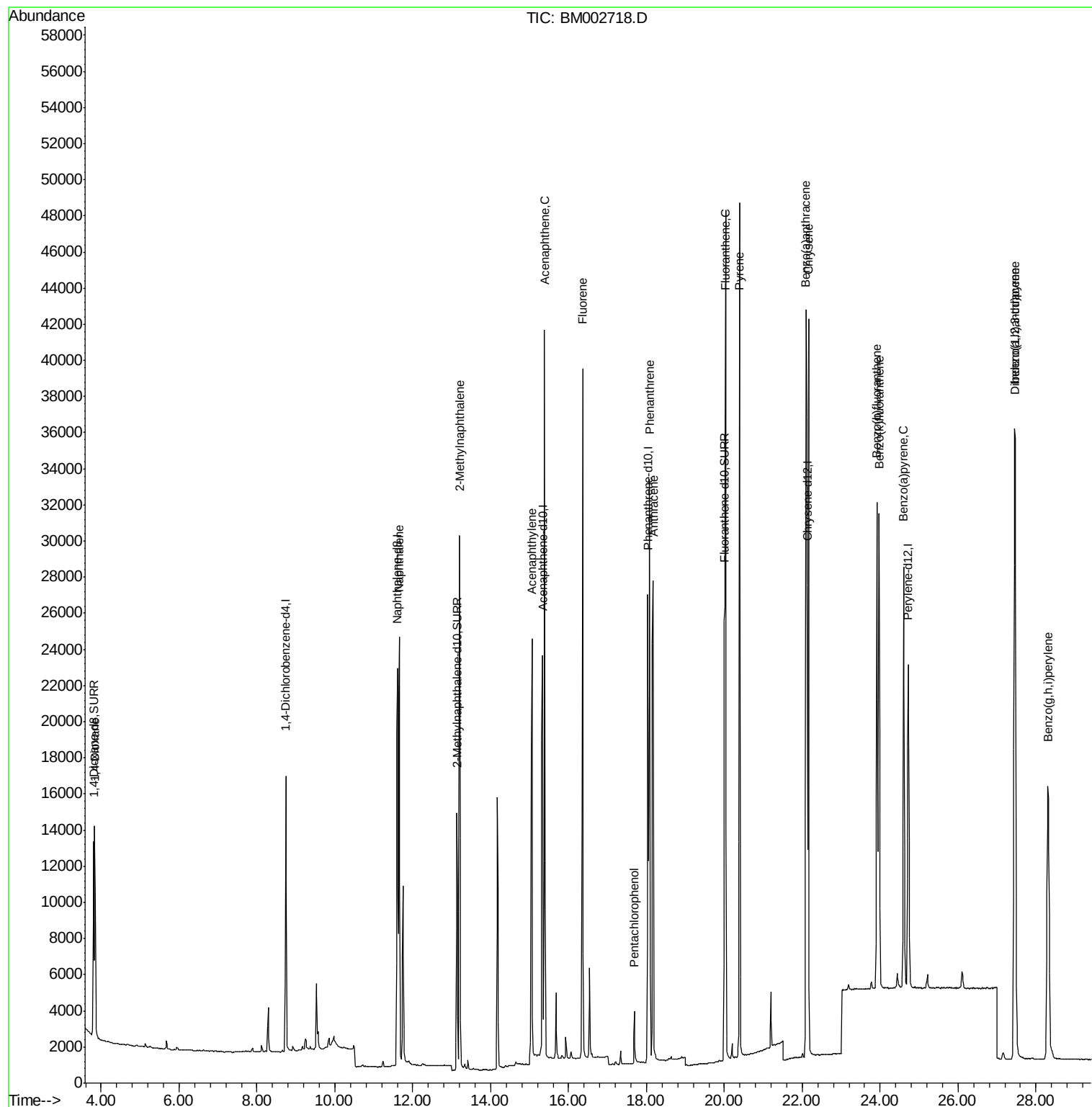
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.83	88	10878	1.01	ng/ul	99
5) Naphthalene	11.65	128	36273	0.39	ng/ul	98
7) 2-Methylnaphthalene	13.20	142	23757	0.40	ng/ul	99
9) Acenaphthylene	15.06	152	32234	0.38	ng/ul	95
10) Acenaphthene	15.38	153	24483	0.40	ng/ul	92
11) Fluorene	16.36	166	26577	0.38	ng/ul	86
13) Pentachlorophenol	17.69	266	2591	0.40	ng/ul	96
14) Phenanthrene	18.08	178	40474	0.37	ng/ul	95
15) Anthracene	18.17	178	39366	0.39	ng/ul	95
17) Fluoranthene	20.03	202	44964	0.38	ng/ul	94
19) Pyrene	20.39	202	46439	0.39	ng/ul	99
20) Benzo(a)anthracene	22.09	228	40774	0.39	ng/ul	99
21) Chrysene	22.16	228	39662	0.40	ng/ul	95
23) Benzo(b)fluoranthene	23.92	252	40352	0.39	ng/ul	99
24) Benzo(k)fluoranthene	23.97	252	38675	0.41	ng/ul	96
25) Benzo(a)pyrene	24.61	252	37884	0.40	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	27.45	276	42342	0.40	ng/ul	99
27) Dibenzo(a,h)anthracene	27.46	278	34687	0.40	ng/ul	96
28) Benzo(g,h,i)perylene	28.31	276	36028	0.40	ng/ul	97

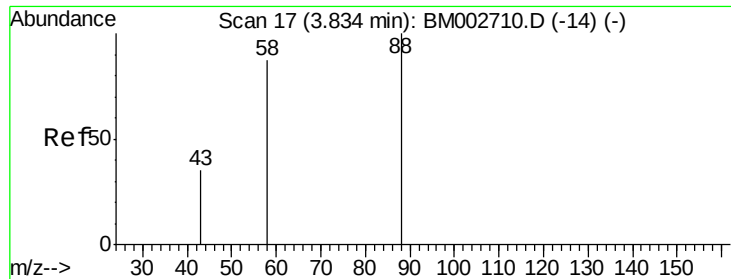
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.01 ng/ul

RT: 3.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.483

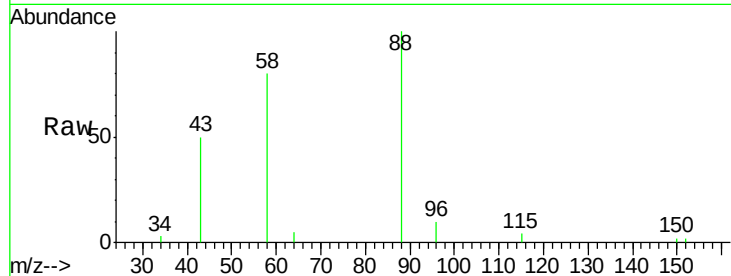
Tot Ion: 88 Resp: 10878

Ion Ratio Lower Upper

88 100

58 70.5 55.4 83.2

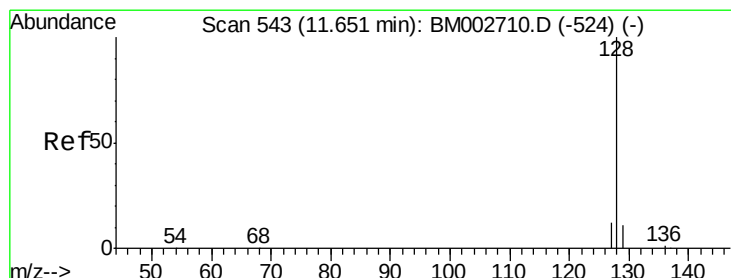
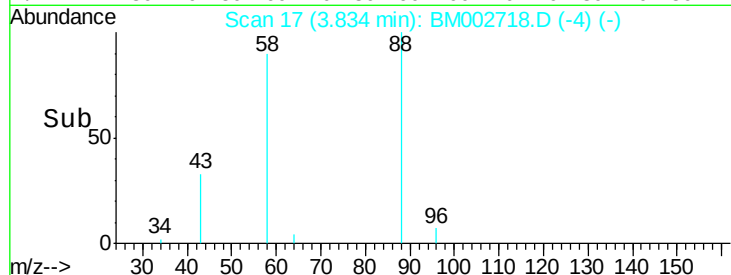
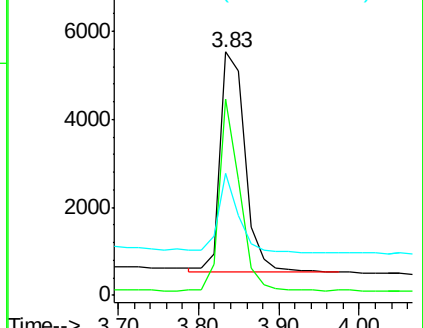
43 29.6 24.2 36.2



Abundance Ion 88.00 (87.70 to 88.70): BM002718.D (-14) (-)

Ion 58.00 (57.70 to 58.70): BM002718.D (-14) (-)

Ion 43.00 (42.70 to 43.70): BM002718.D (-14) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

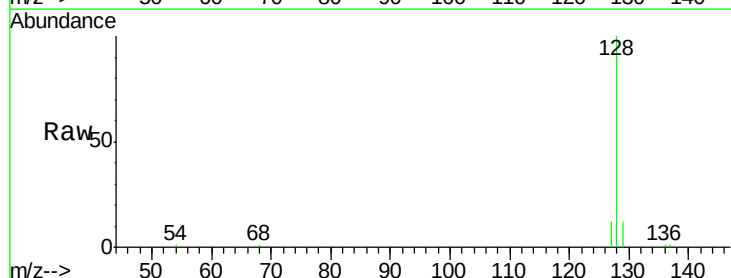
Tgt Ion: 128 Resp: 36273

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.8

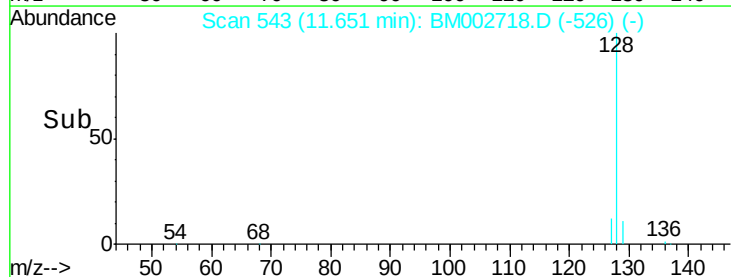
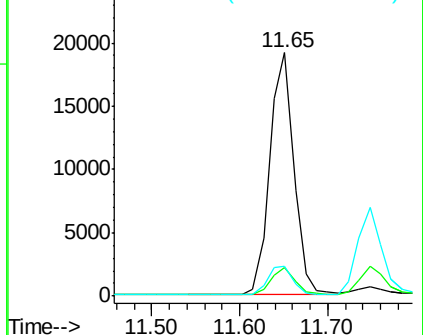
127 12.3 10.7 16.1

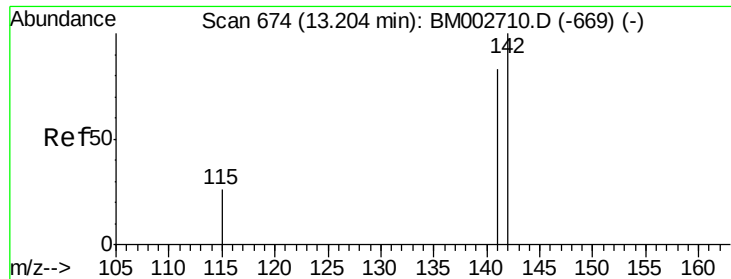


Abundance Ion 128.00 (127.70 to 128.70): BM002718.D (-524) (-)

Ion 129.00 (128.70 to 129.70): BM002718.D (-524) (-)

Ion 127.00 (126.70 to 127.70): BM002718.D (-524) (-)





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

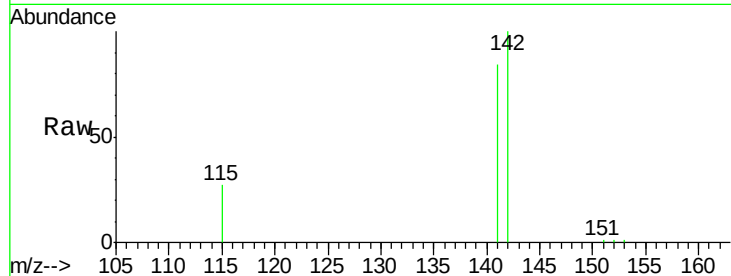
SSTD0.483

Tot Ion:142 Resp: 23757

Ion Ratio Lower Upper

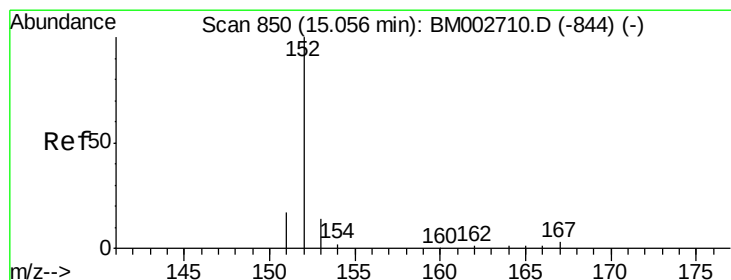
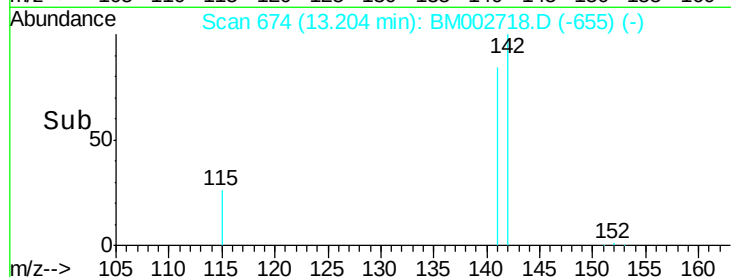
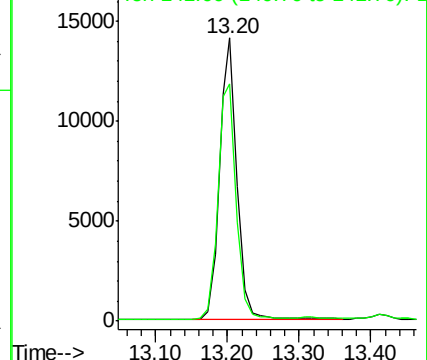
142 100

141 88.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.38 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

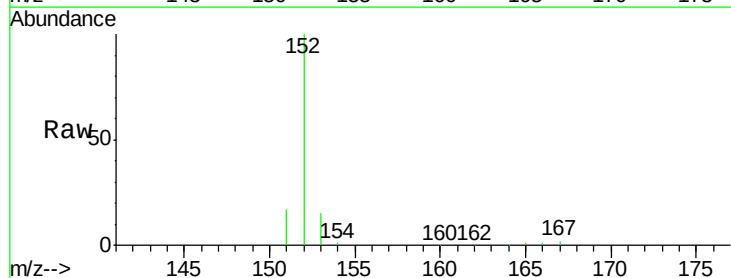
Tgt Ion:152 Resp: 32234

Ion Ratio Lower Upper

152 100

151 17.3 16.8 25.2

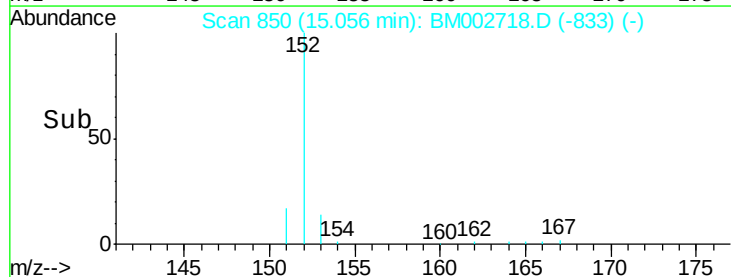
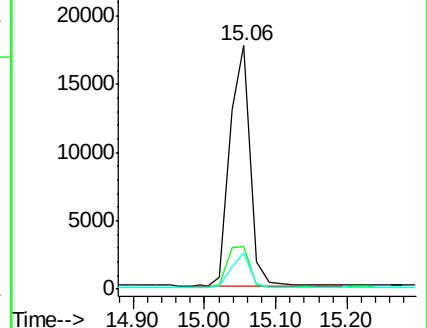
153 14.8 11.3 16.9

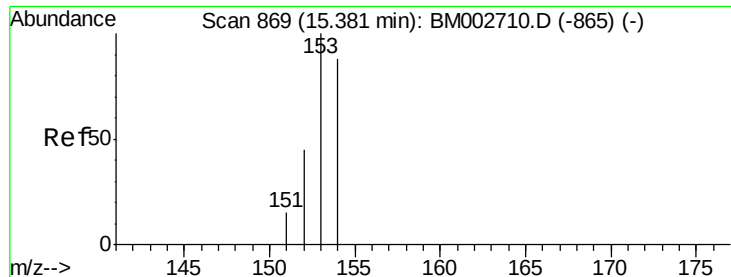


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.483

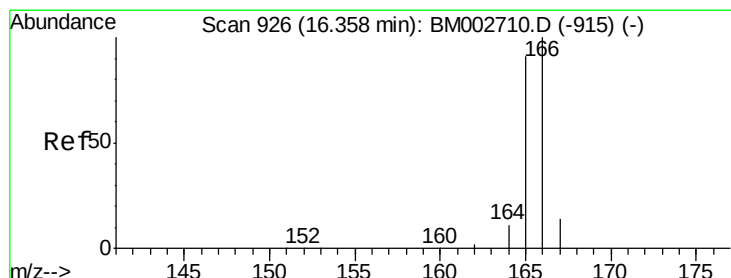
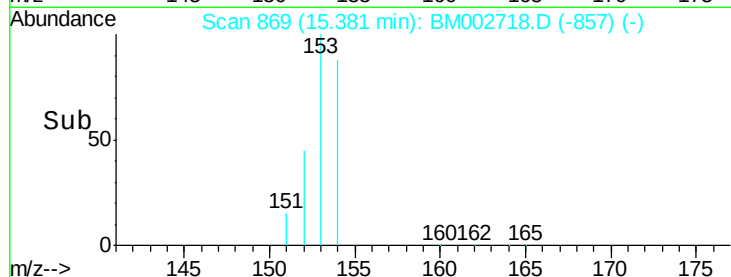
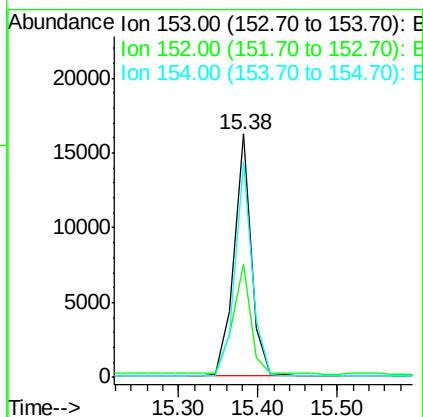
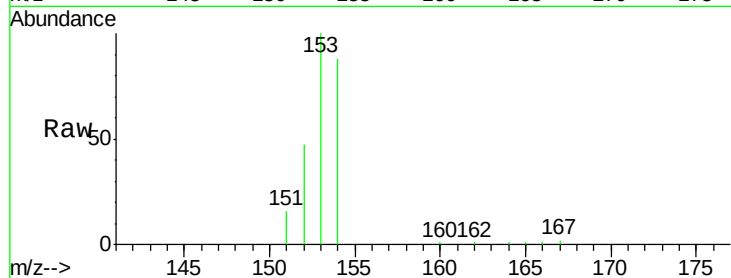
Tot Ion:153 Resp: 24483

Ion Ratio Lower Upper

153 100

152 46.7 42.3 63.5

154 88.3 64.7 97.1



#11

Fluorene

Concen: 0.38 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

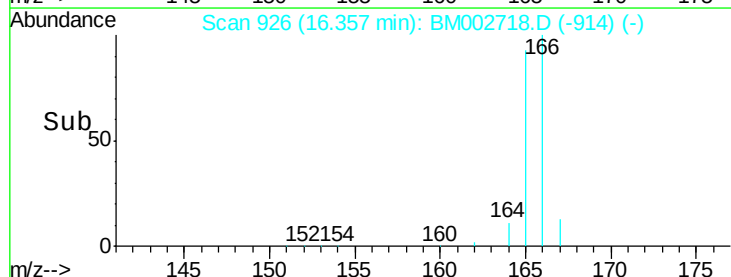
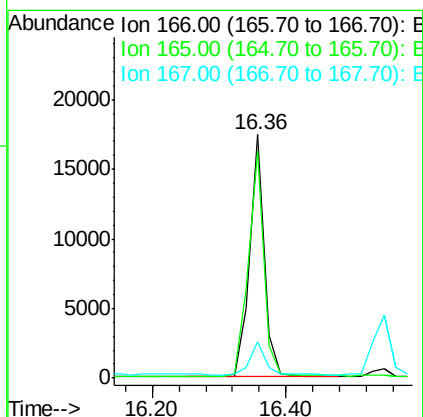
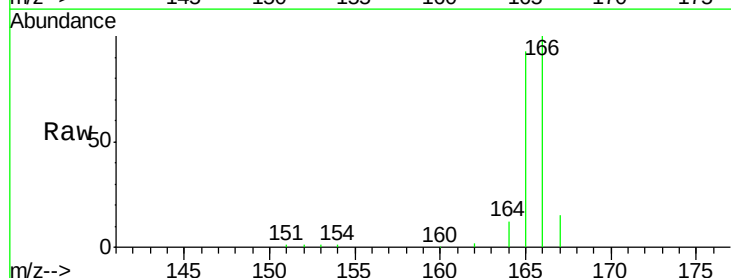
Tgt Ion:166 Resp: 26577

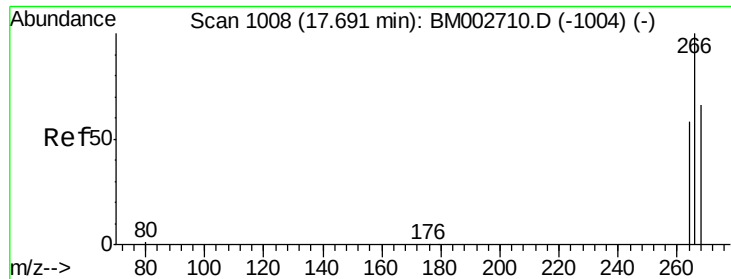
Ion Ratio Lower Upper

166 100

165 93.2 87.6 131.4

167 14.8 11.1 16.7

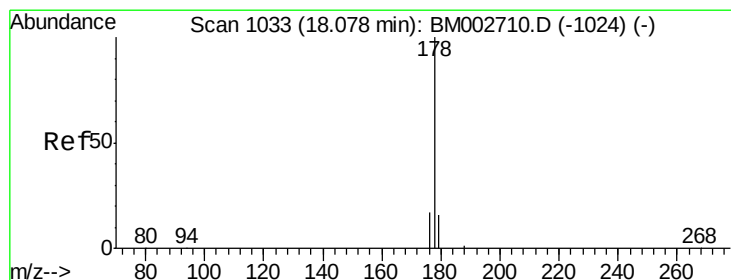
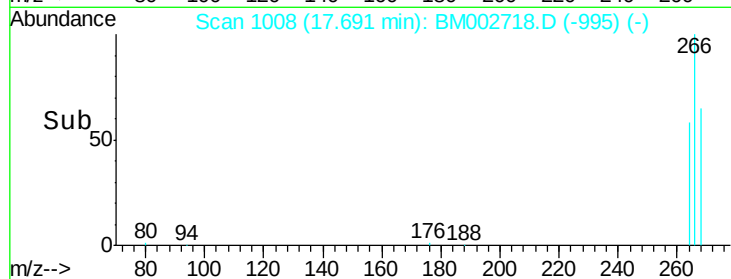
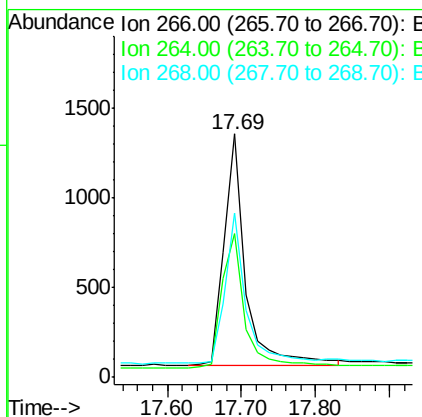
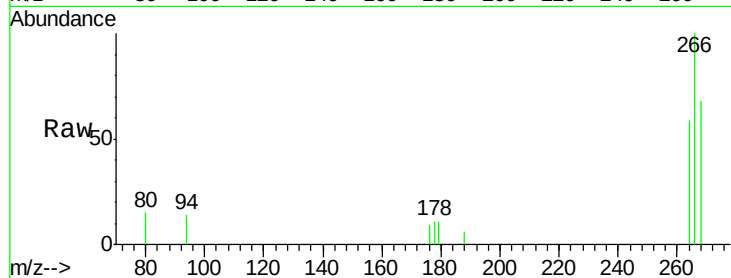




#13
 Pentachlorophenol
 Concen: 0.40 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BM002718.D
 Acq: 24 Sep 2015 18:52

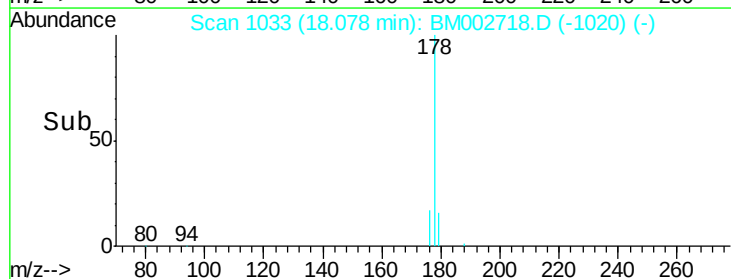
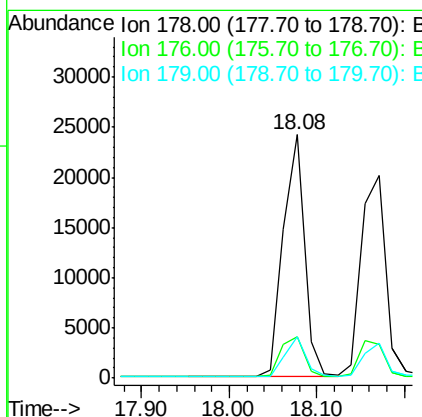
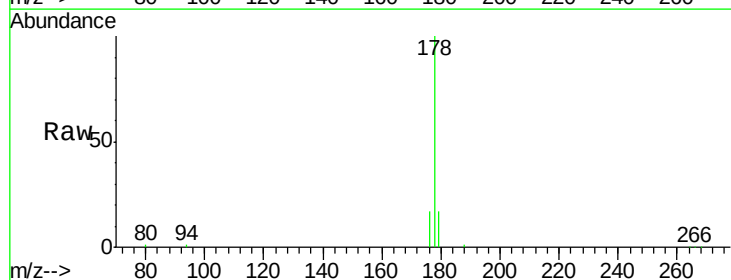
Instrument :
 BNA_M
 ClientSampleId :
 SST0.483

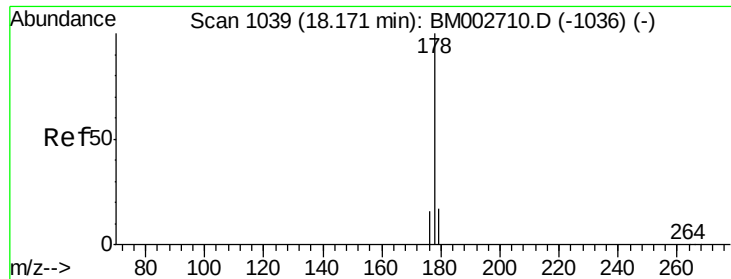
Tot Ion:266 Resp: 2591
 Ion Ratio Lower Upper
 266 100
 264 63.7 53.5 80.3
 268 64.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.37 ng/ul
 RT: 18.08 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM002718.D
 Acq: 24 Sep 2015 18:52

Tgt Ion:178 Resp: 40474
 Ion Ratio Lower Upper
 178 100
 176 17.0 16.2 24.4
 179 16.9 12.8 19.2





#15

Anthracene

Concen: 0.39 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.483

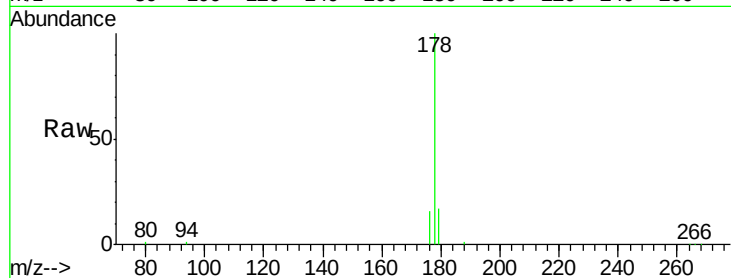
Tot Ion:178 Resp: 39366

Ion Ratio Lower Upper

178 100

176 16.3 15.8 23.8

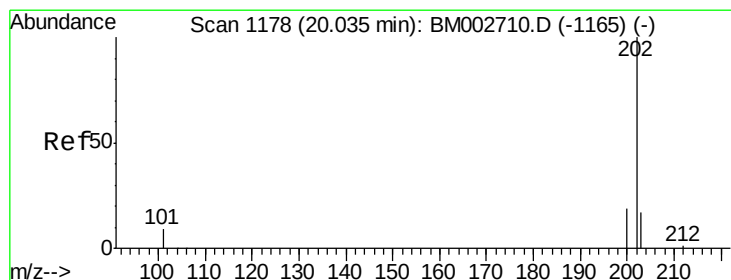
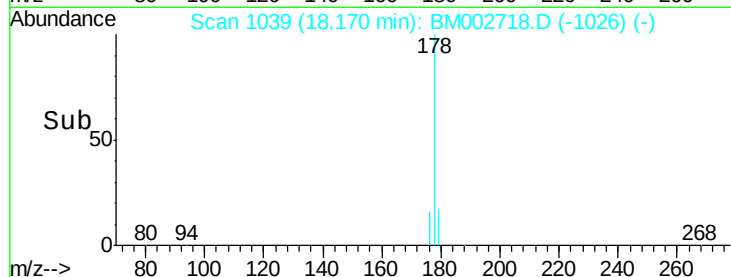
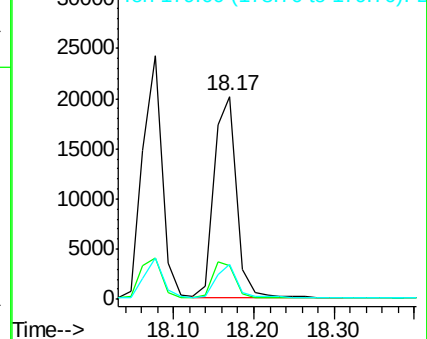
179 17.3 13.3 19.9



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



#17

Fluoranthene

Concen: 0.38 ng/ul

RT: 20.03 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

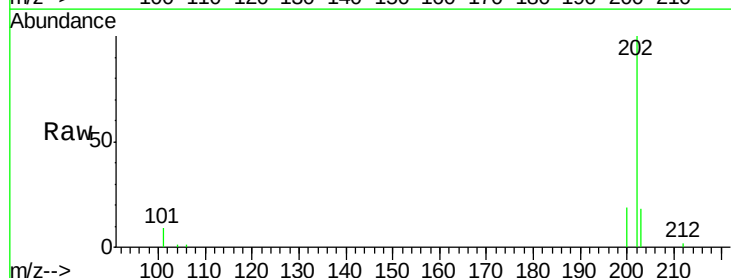
Tgt Ion:202 Resp: 44964

Ion Ratio Lower Upper

202 100

101 8.8 0.0 33.1

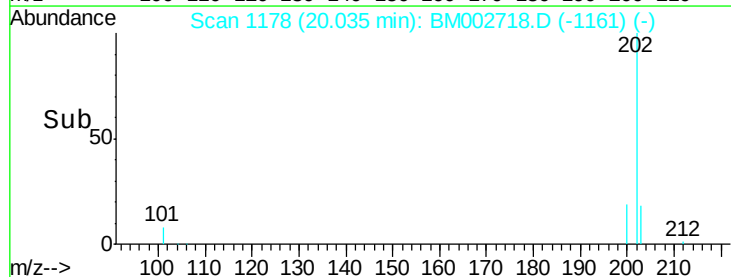
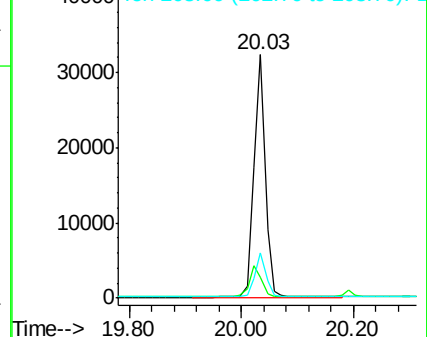
203 18.3 0.0 37.2

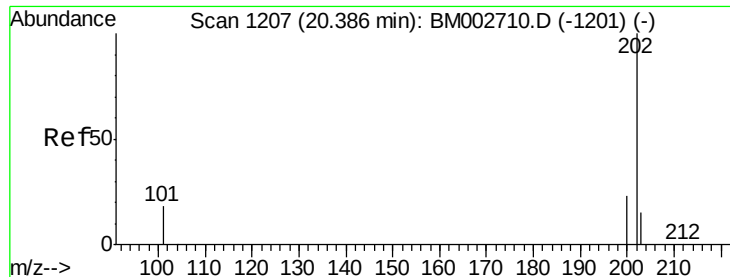


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

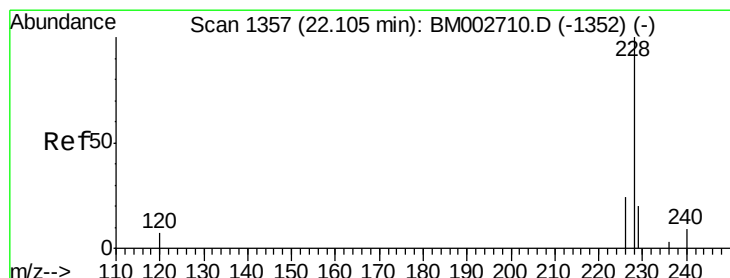
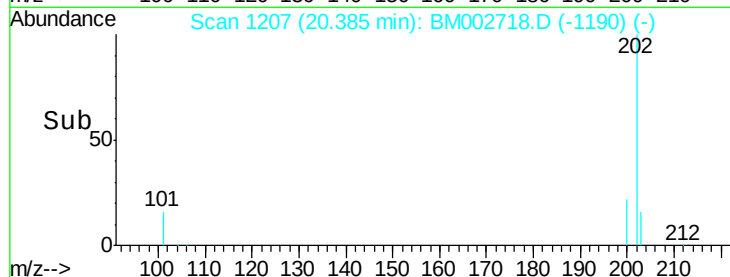
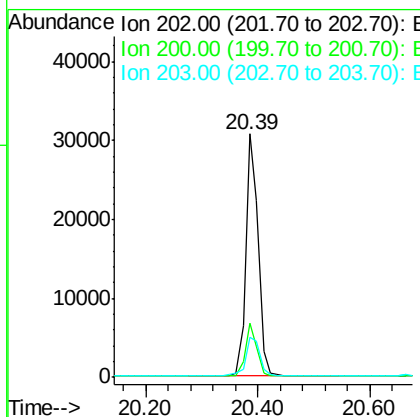
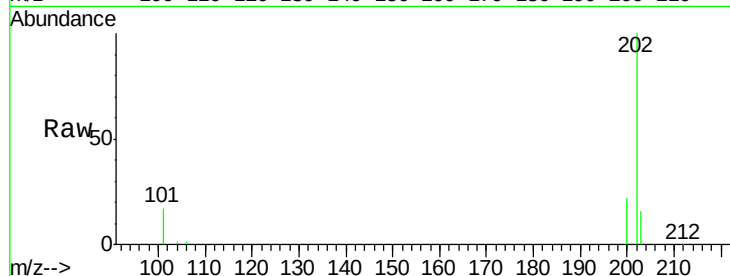




#19
Pvrene
Concen: 0.39 ng/ul
RT: 20.39 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BM002718.D
Acq: 24 Sep 2015 18:52

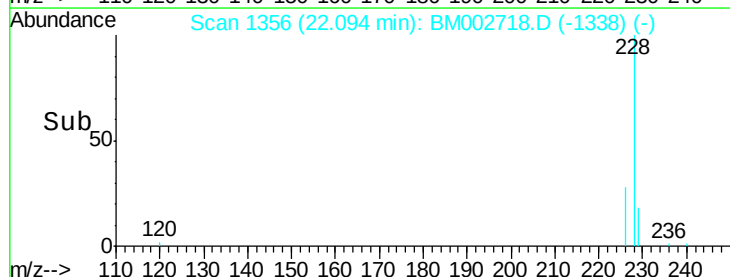
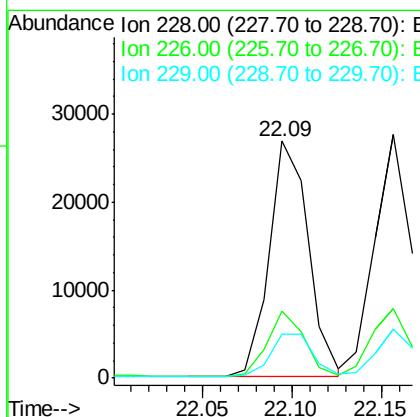
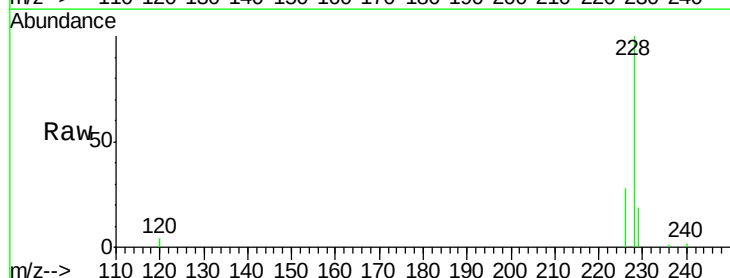
Instrument :
BNA_M
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SSTD0.483

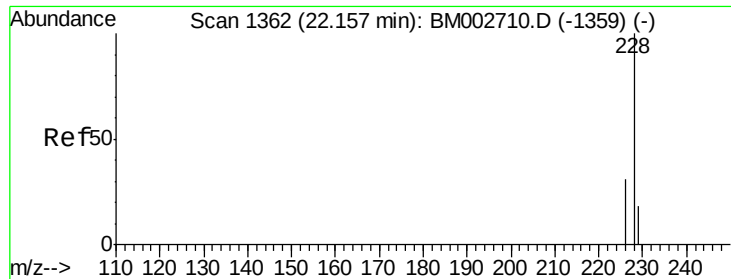
Tot Ion:202 Resp: 46439
Ion Ratio Lower Upper
202 100
200 22.4 18.0 27.0
203 16.3 13.8 20.6



#20
Benzo(a)anthracene
Concen: 0.39 ng/ul
RT: 22.09 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BM002718.D
Acq: 24 Sep 2015 18:52

Tgt Ion:228 Resp: 40774
Ion Ratio Lower Upper
228 100
226 28.5 23.0 34.4
229 18.7 15.2 22.8





#21

Chrysene

Concen: 0.40 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.483

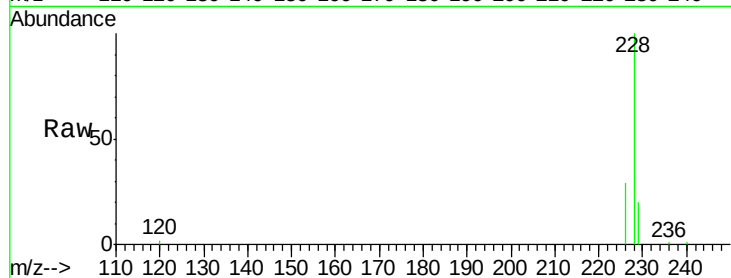
Tot Ion:228 Resp: 39662

Ion Ratio Lower Upper

228 100

226 28.6 25.7 38.5

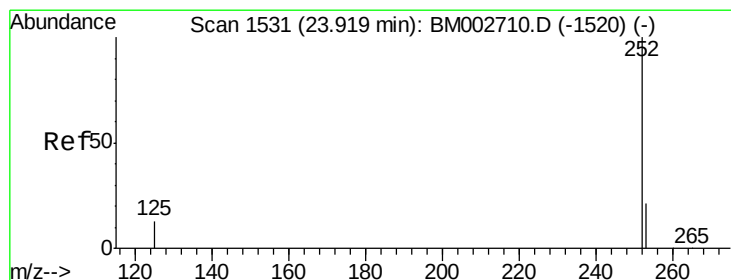
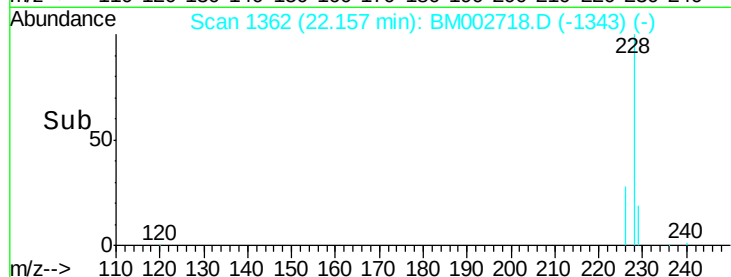
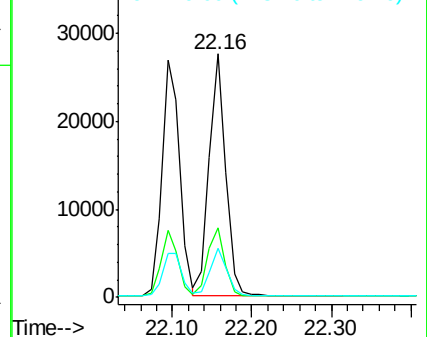
229 20.1 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 23.92 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

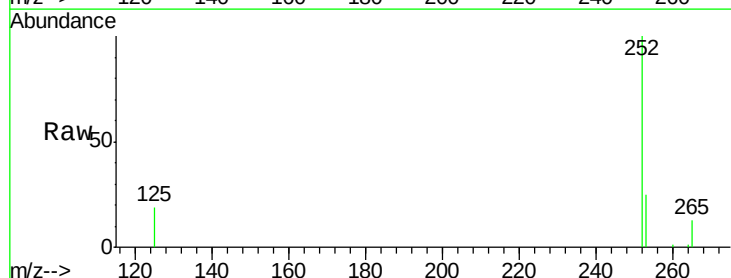
Tgt Ion:252 Resp: 40352

Ion Ratio Lower Upper

252 100

253 24.8 0.0 48.0

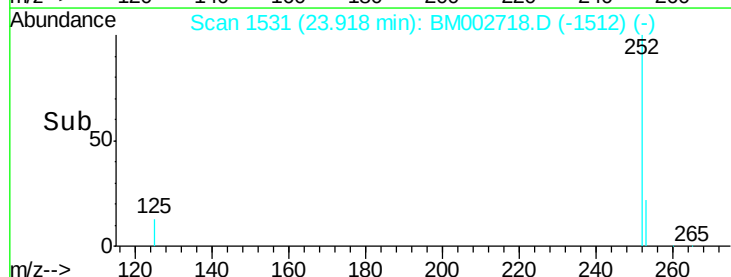
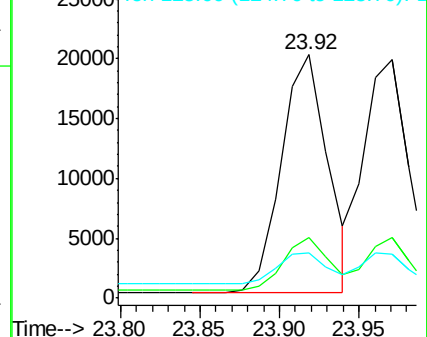
125 18.6 0.0 36.6

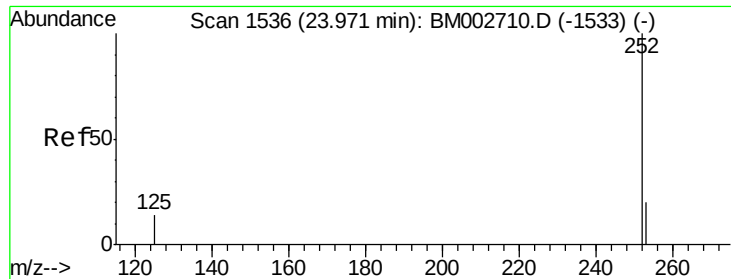


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.483

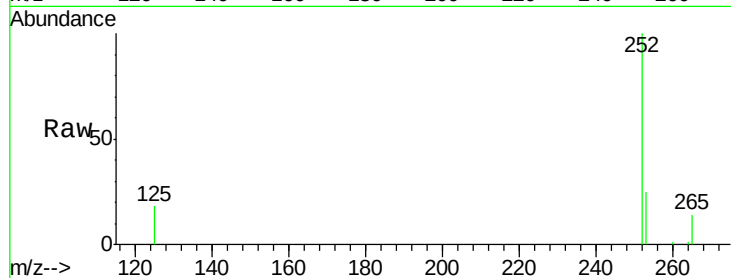
Tot Ion:252 Resp: 38675

Ion Ratio Lower Upper

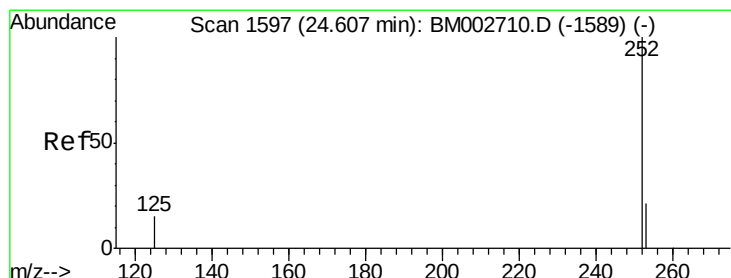
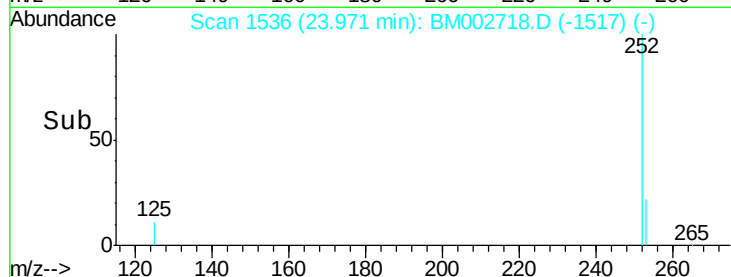
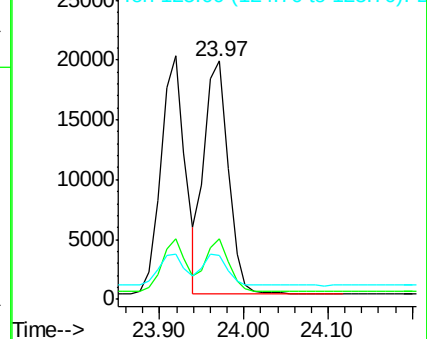
252 100

253 25.2 20.8 31.2

125 18.3 12.2 18.4



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(a)pyrene

Concen: 0.40 ng/ul

RT: 24.61 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

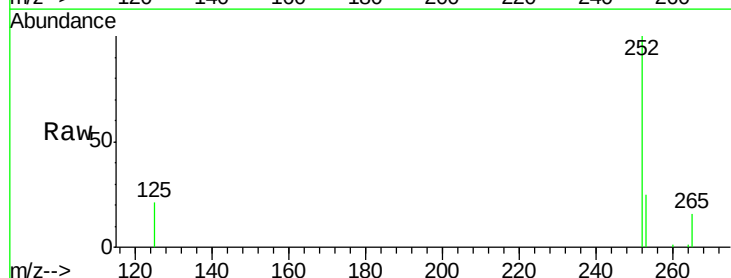
Tgt Ion:252 Resp: 37884

Ion Ratio Lower Upper

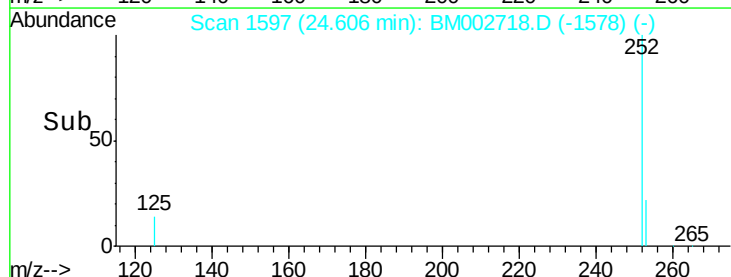
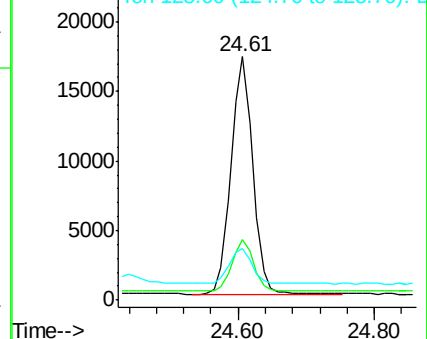
252 100

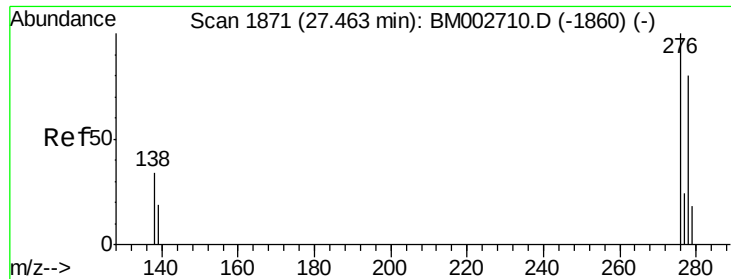
253 24.8 21.8 32.8

125 21.4 14.5 21.7



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

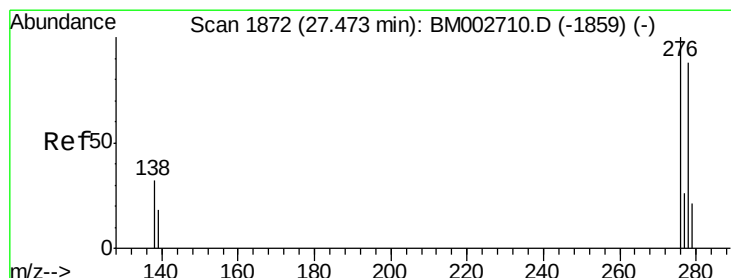
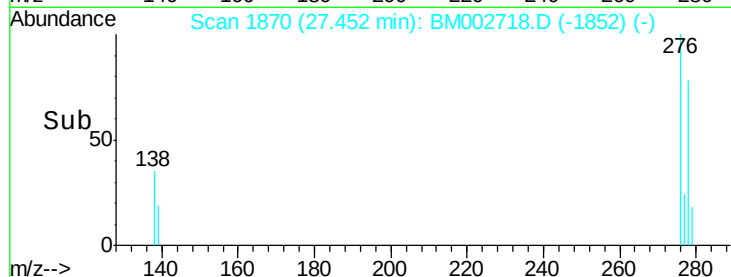
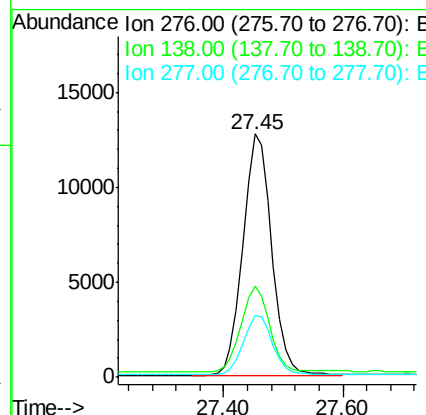
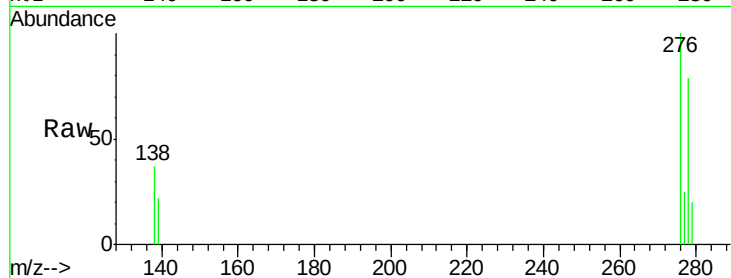




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng/ul
RT: 27.45 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BM002718.D
Acq: 24 Sep 2015 18:52

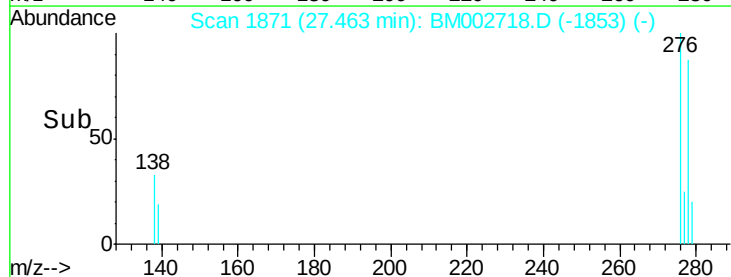
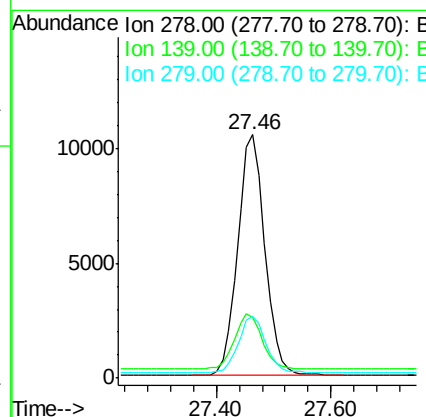
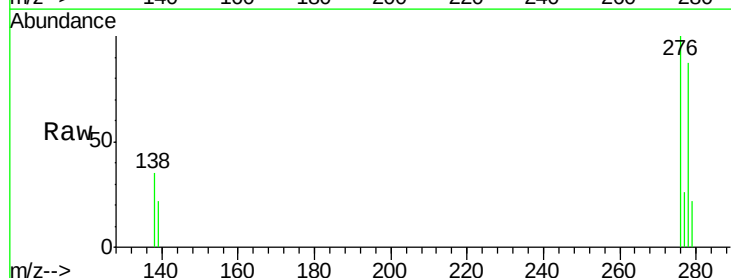
Instrument :
BNA_M
ClientSampleId :
SSTD0.483

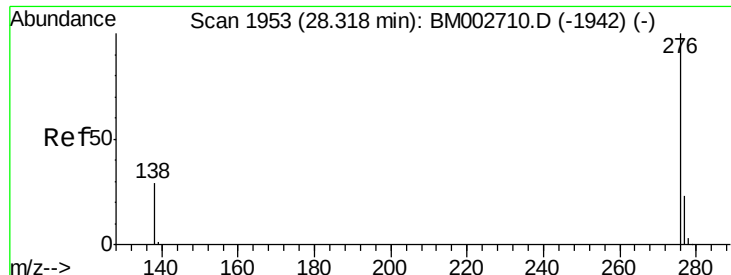
Tot Ion:276 Resp: 42342
Ion Ratio Lower Upper
276 100
138 34.8 27.5 41.3
277 24.7 19.3 28.9



#27
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 27.46 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BM002718.D
Acq: 24 Sep 2015 18:52

Tgt Ion:278 Resp: 34687
Ion Ratio Lower Upper
278 100
139 24.9 21.7 32.5
279 25.2 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.40 ng/ul

RT: 28.31 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM002718.D

Acq: 24 Sep 2015 18:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.483

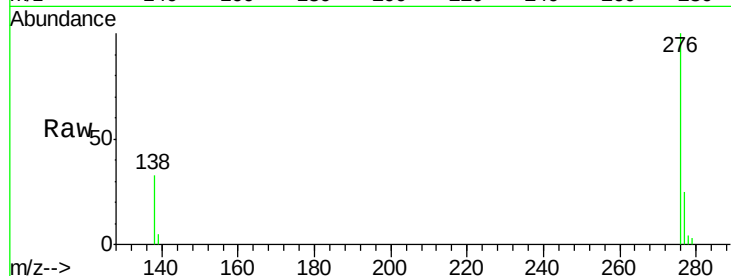
Tot Ion: 276 Resp: 36028

Ion Ratio Lower Upper

276 100

277 24.6 21.3 31.9

138 32.7 25.5 38.3



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

