

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021615\
 Data File : BM000535.D
 Acq On : 16 Feb 2015 17:01
 Operator : TP/IZ
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.414

Quant Time: Feb 17 02:26:18 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 14:03:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3169	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	10656	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	6813	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	12465	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	10578	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	9043	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	5633	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	10868	0.39	ng/ul	0.00

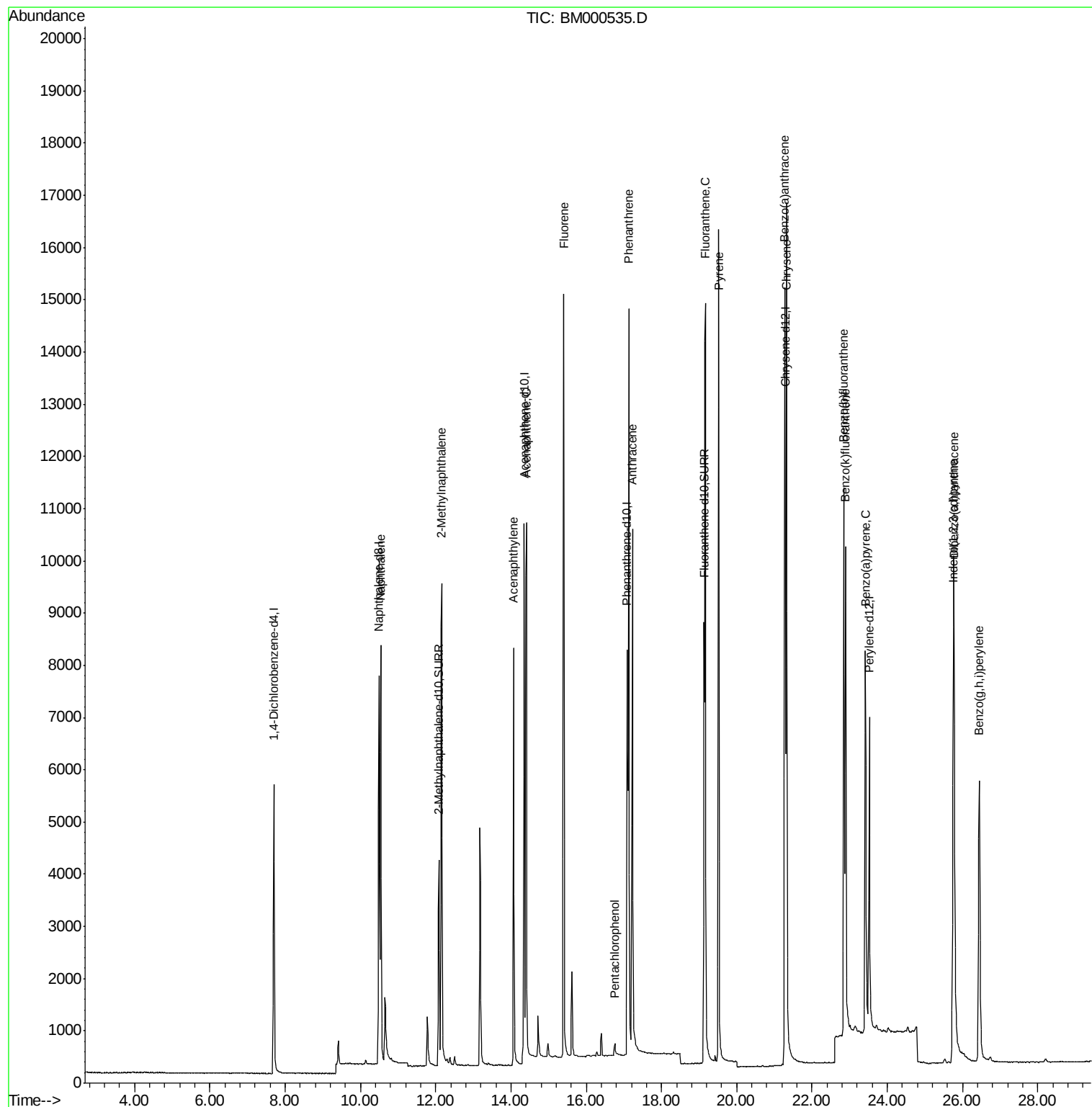
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	11612	0.41	ng/ul	100
5) 2-Methylnaphthalene	12.16	142	7742	0.41	ng/ul	100
7) Acenaphthylene	14.07	152	10531	0.39	ng/ul	100
8) Acenaphthene	14.41	153	8356	0.40	ng/ul	98
9) Fluorene	15.40	166	9749	0.39	ng/ul	99
11) Pentachlorophenol	16.76	266	369	0.29	ng/ul	92
12) Phenanthrene	17.13	178	15580	0.40	ng/ul	99
13) Anthracene	17.23	178	13693	0.40	ng/ul	99
15) Fluoranthene	19.16	202	17608	0.40	ng/ul	89
17) Pyrene	19.53	202	17808	0.41	ng/ul	100
18) Benzo(a)anthracene	21.27	228	13349	0.40	ng/ul	94
19) Chrysene	21.32	228	15415	0.40	ng/ul	95
21) Benzo(b)fluoranthene	22.84	252	13739	0.40	ng/ul	99
22) Benzo(k)fluoranthene	22.89	252	14237	0.40	ng/ul	97
23) Benzo(a)pyrene	23.42	252	12631	0.39	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.75	276	13775	0.41	ng/ul	99
25) Dibenzo(a,h)anthracene	25.77	278	10778	0.41	ng/ul	98
26) Benzo(g,h,i)perylene	26.44	276	12166	0.40	ng/ul	99

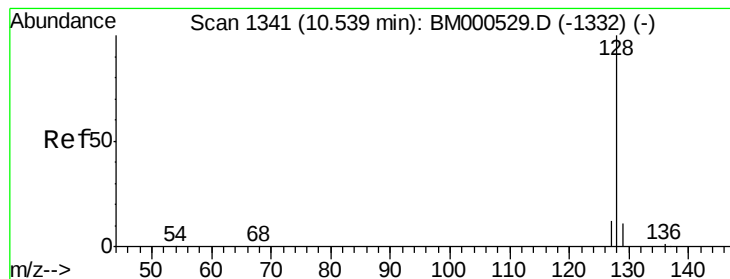
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021615\
Data File : BM000535.D
Acq On : 16 Feb 2015 17:01
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 17 02:26:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021615.M
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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

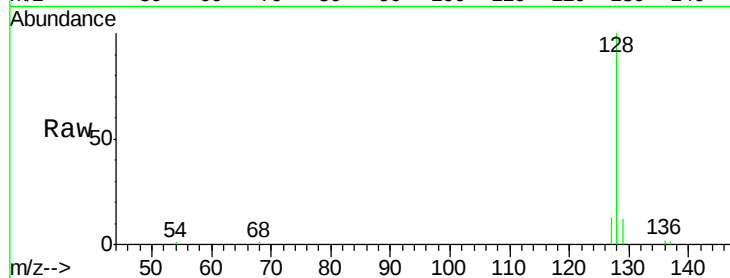
Tgt Ion:128 Resp: 11612

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

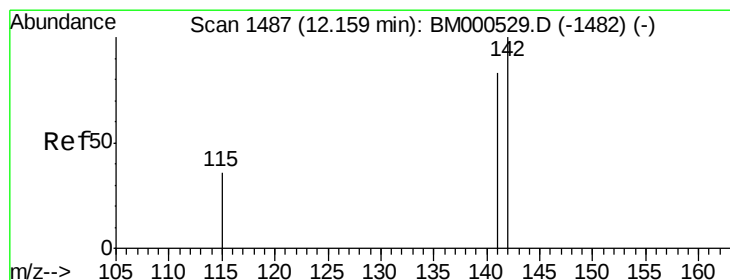
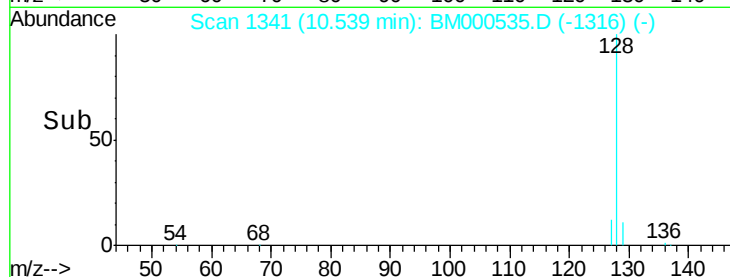
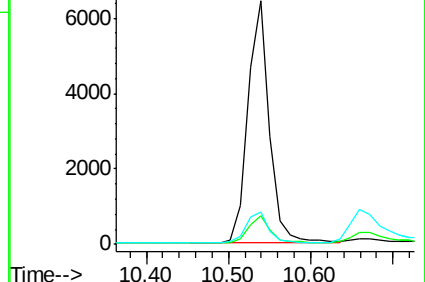
127 13.1 10.3 15.5



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: 0.41 ng/ul

RT: 12.16 min Scan# 1487

Delta R.T. 0.00 min

Lab File: BM000535.D

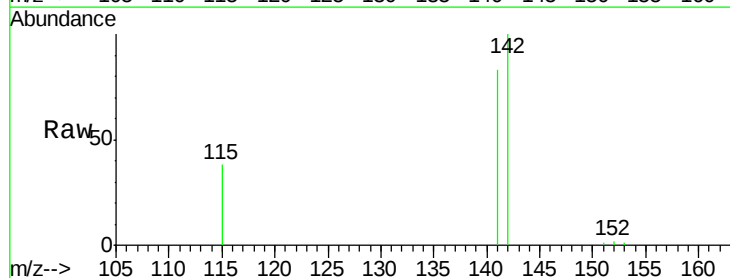
Acq: 16 Feb 2015 17:01

Tgt Ion:142 Resp: 7742

Ion Ratio Lower Upper

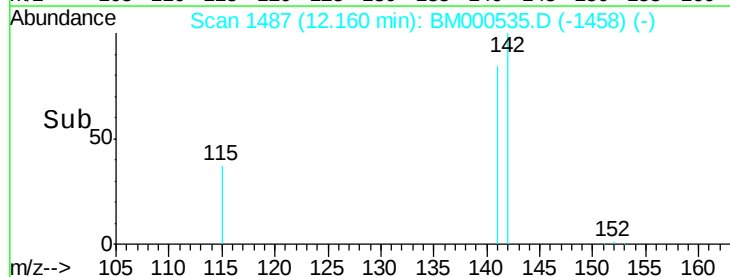
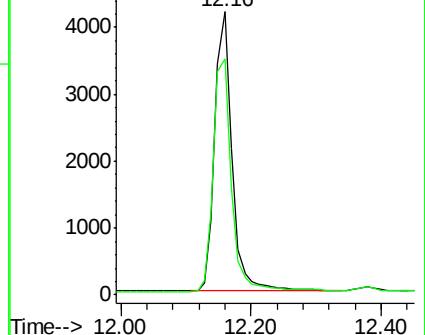
142 100

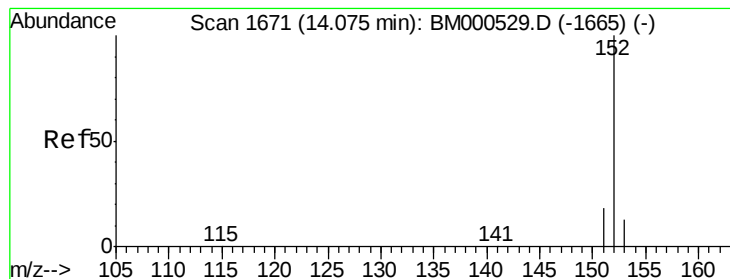
141 88.2 70.5 105.7



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: 14.07 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

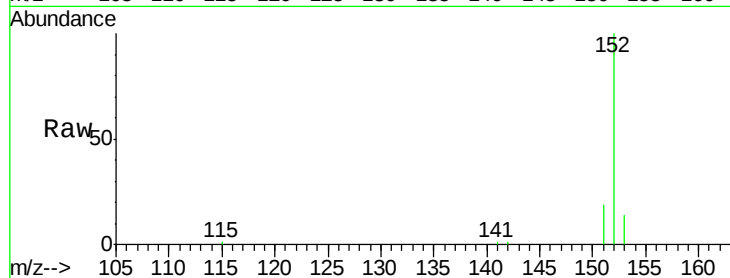
Tgt Ion:152 Resp: 10531

Ion Ratio Lower Upper

152 100

151 18.9 15.0 22.4

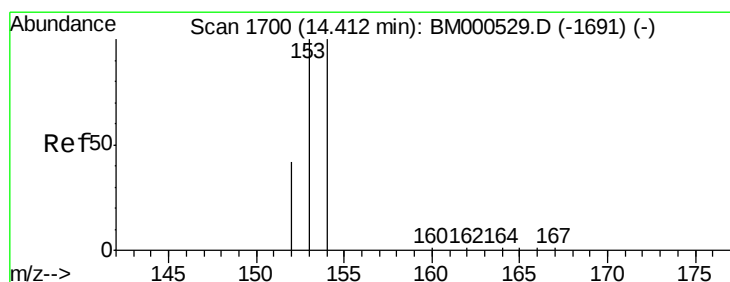
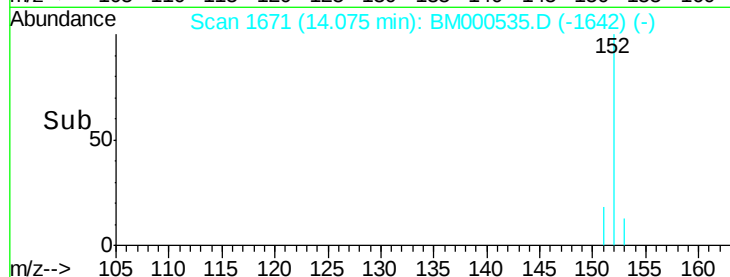
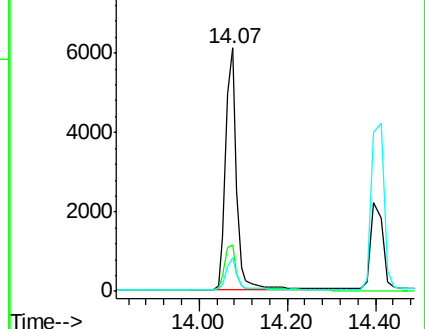
153 14.0 11.3 16.9



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



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

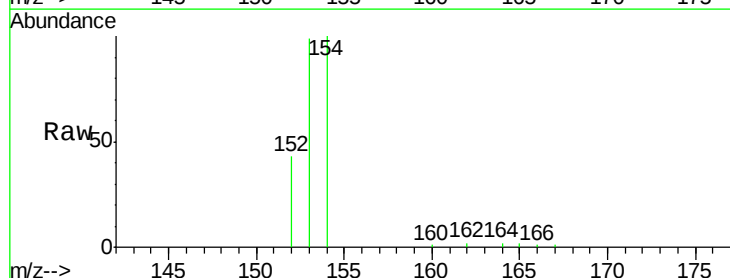
Tgt Ion:153 Resp: 8356

Ion Ratio Lower Upper

153 100

152 44.0 34.2 51.4

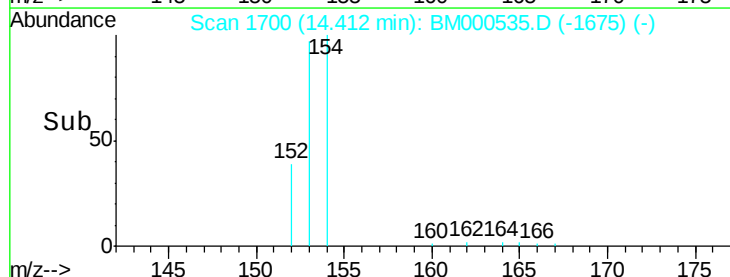
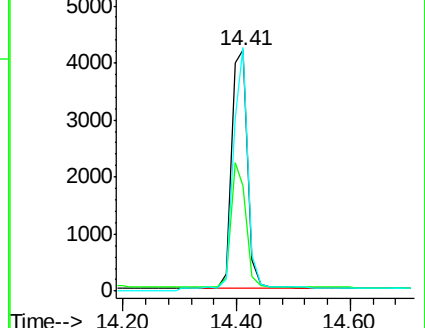
154 101.2 79.4 119.2

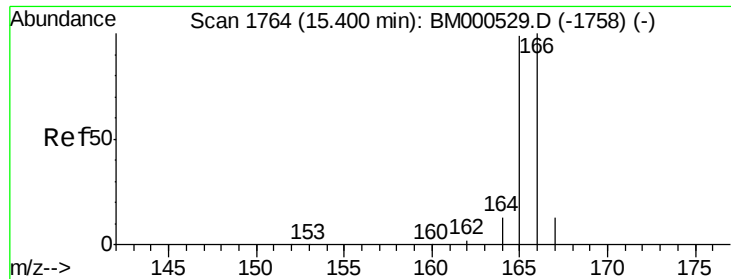


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

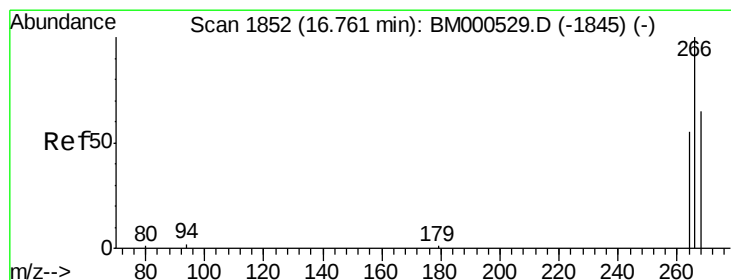
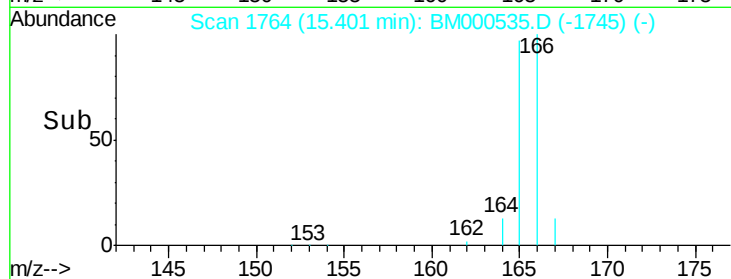
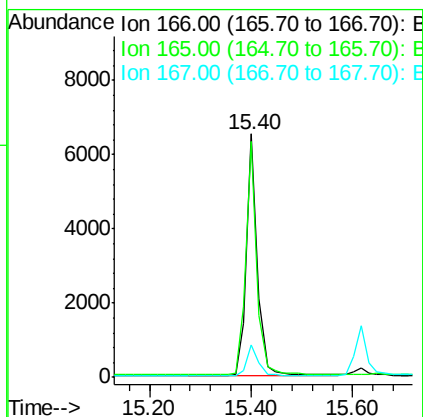
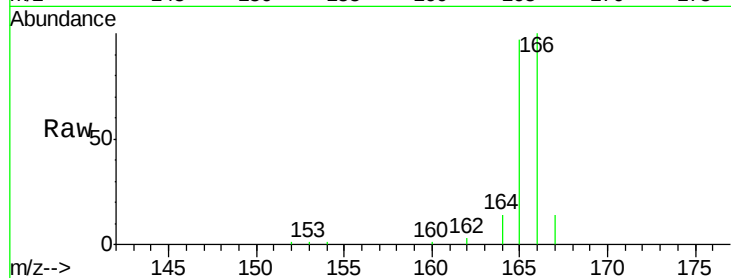




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.40 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: BM000535.D
 Acq: 16 Feb 2015 17:01

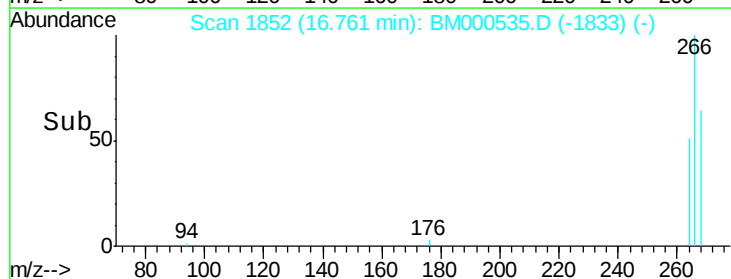
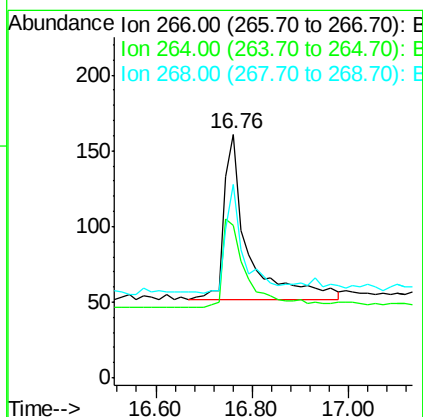
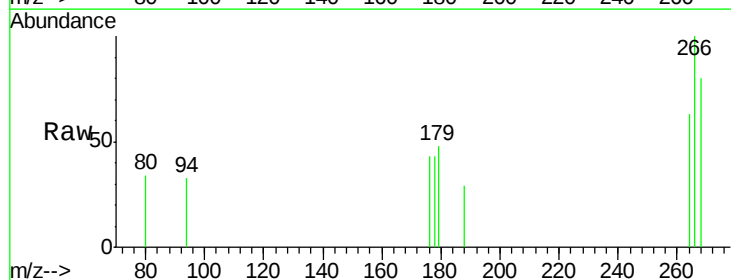
Instrument :
 BNA_M
 ClientSampleId :
 SST0.414

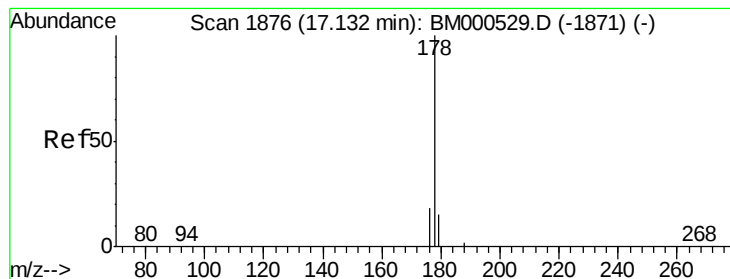
Tgt Ion:166 Resp: 9749
 Ion Ratio Lower Upper
 166 100
 165 97.1 79.0 118.6
 167 13.5 10.8 16.2



#11
Pentachlorophenol
 Concen: 0.29 ng/ul
 RT: 16.76 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BM000535.D
 Acq: 16 Feb 2015 17:01

Tgt Ion:266 Resp: 369
 Ion Ratio Lower Upper
 266 100
 264 54.2 48.8 73.2
 268 50.1 44.7 67.1





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.13 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

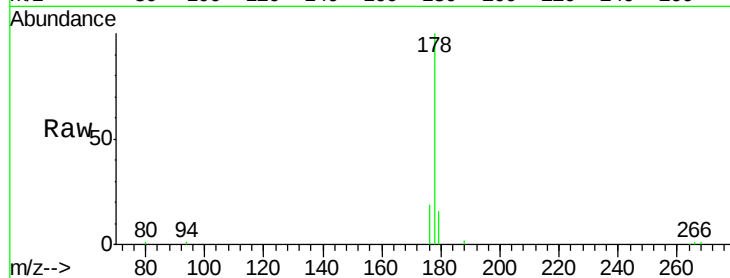
Tgt Ion:178 Resp: 15580

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

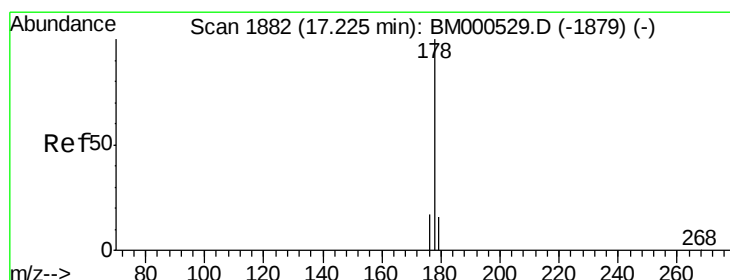
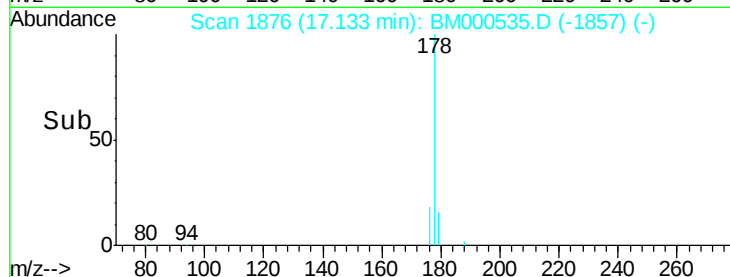
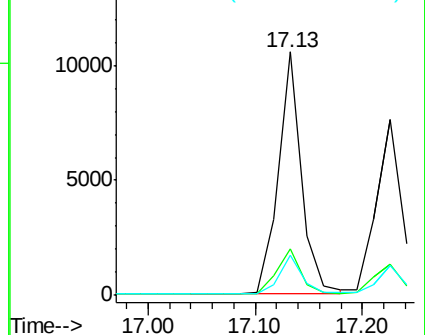
179 16.3 12.6 18.8



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: 0.40 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

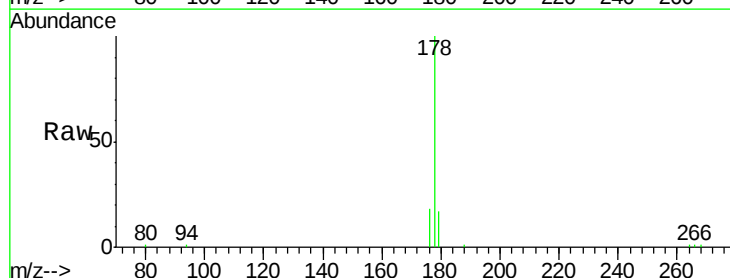
Tgt Ion:178 Resp: 13693

Ion Ratio Lower Upper

178 100

176 17.7 14.3 21.5

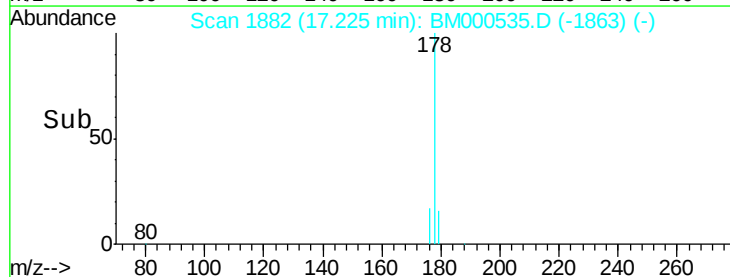
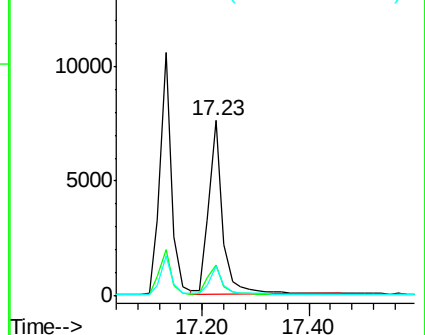
179 16.6 13.0 19.6

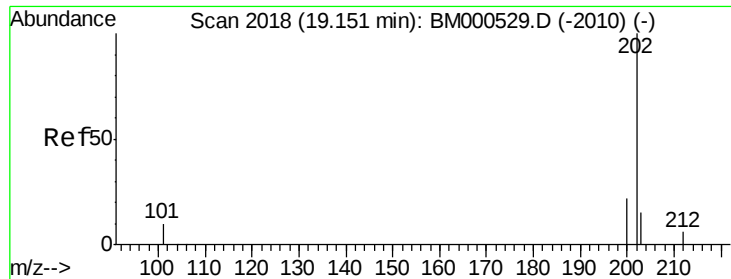


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

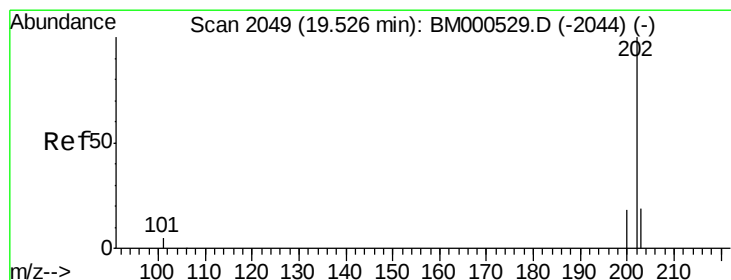
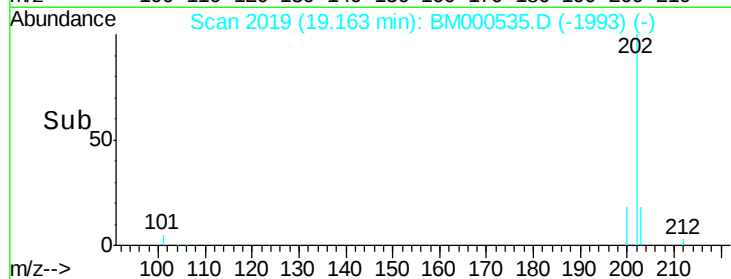
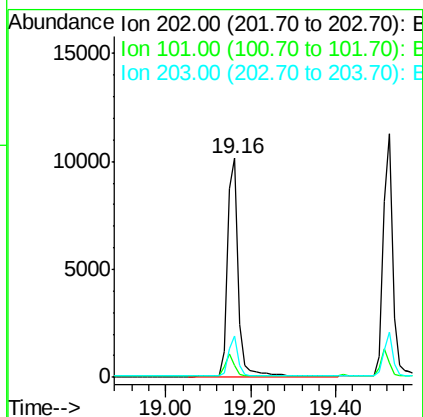
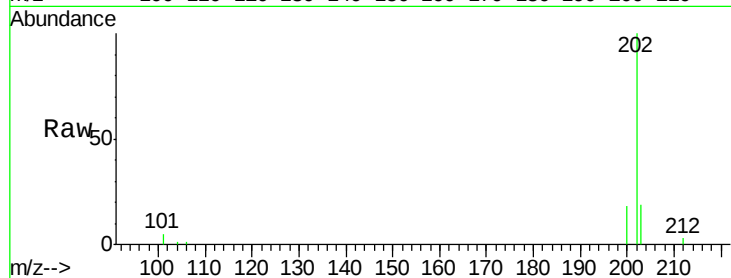




#15
Fluoranthene
Concen: 0.40 ng/ul
RT: 19.16 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BM000535.D
Acq: 16 Feb 2015 17:01

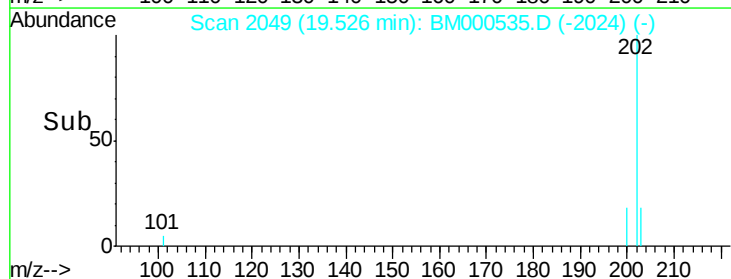
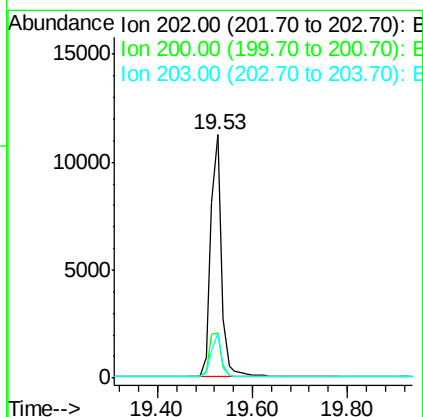
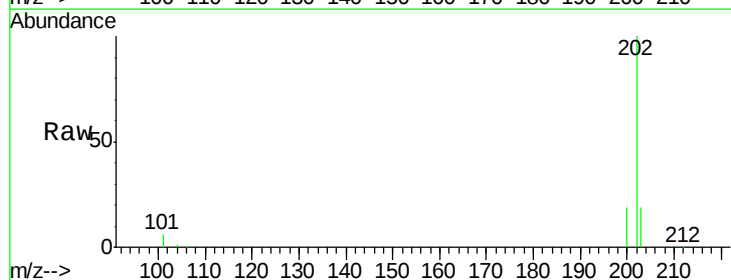
Instrument :
BNA_M
ClientSampleId :
SSTD0.414

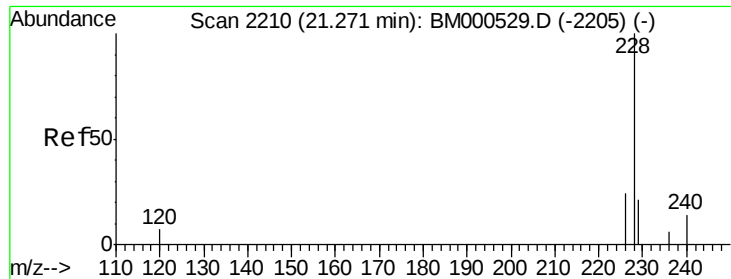
Tgt Ion:202 Resp: 17608
Ion Ratio Lower Upper
202 100
101 5.2 0.0 30.7
203 18.9 0.0 35.6



#17
Pyrene
Concen: 0.41 ng/ul
RT: 19.53 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BM000535.D
Acq: 16 Feb 2015 17:01

Tgt Ion:202 Resp: 17808
Ion Ratio Lower Upper
202 100
200 18.7 15.0 22.4
203 18.7 15.2 22.8





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

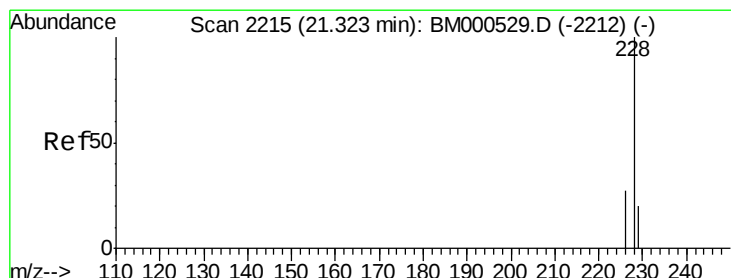
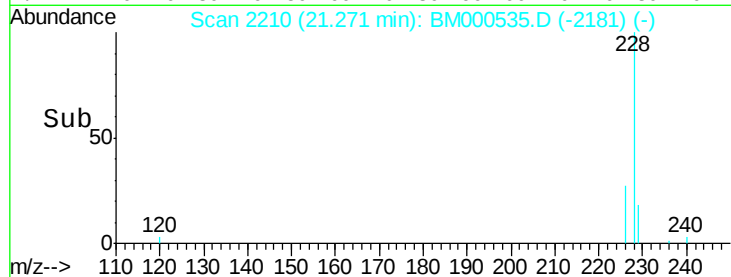
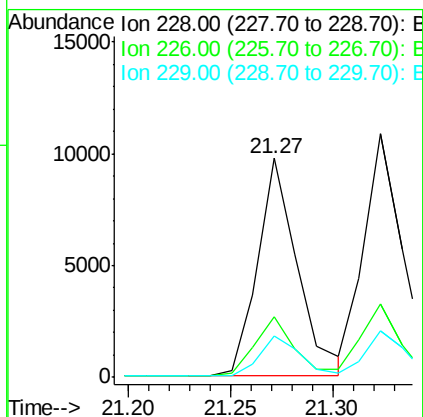
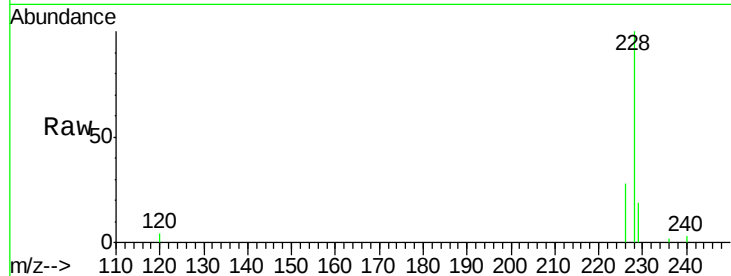
Tgt Ion:228 Resp: 13349

Ion Ratio Lower Upper

228 100

226 27.7 19.8 29.6

229 18.9 17.0 25.4



#19

Chrysene

Concen: 0.40 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

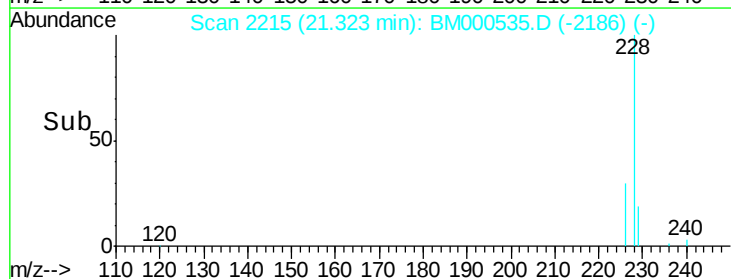
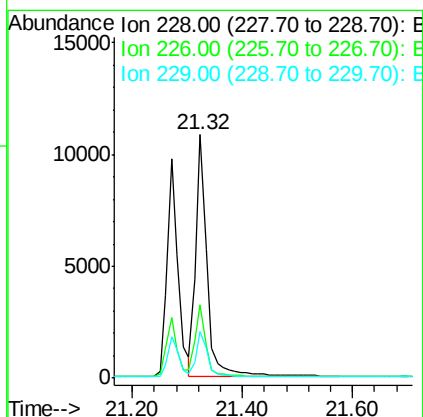
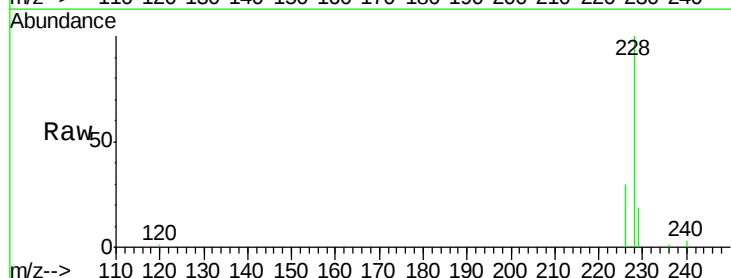
Tgt Ion:228 Resp: 15415

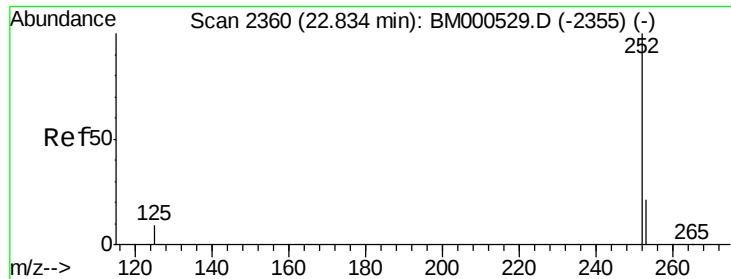
Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.6

229 18.9 16.7 25.1





#21

Benzo(b)fluoranthene

Concen: 0.40 ng/ul

RT: 22.84 min Scan# 2361

Delta R.T. 0.01 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

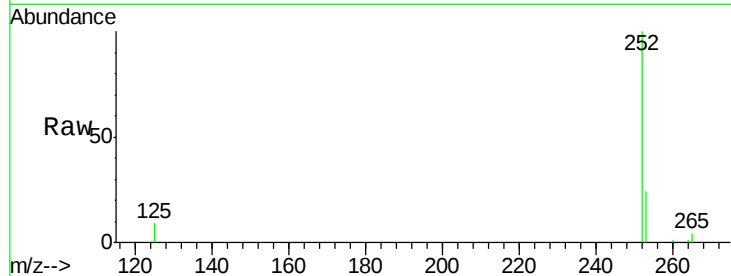
Tgt Ion:252 Resp: 13739

Ion Ratio Lower Upper

252 100

253 24.2 0.0 46.8

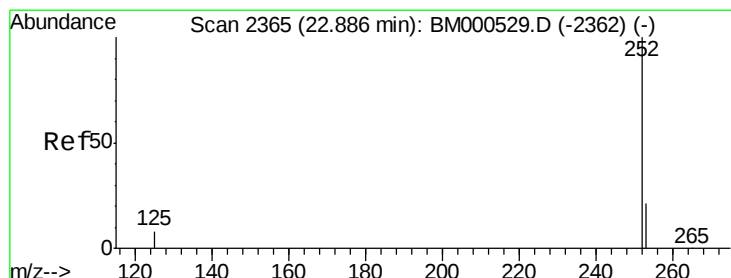
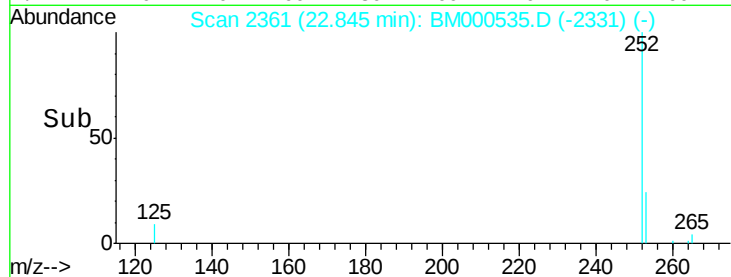
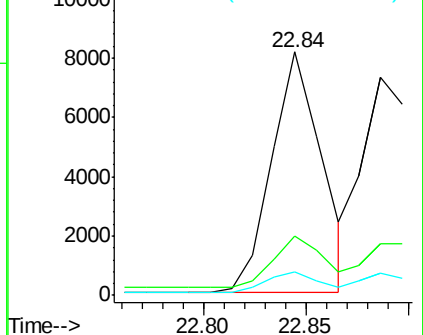
125 9.4 0.0 19.8



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: 0.40 ng/ul

RT: 22.89 min Scan# 2365

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

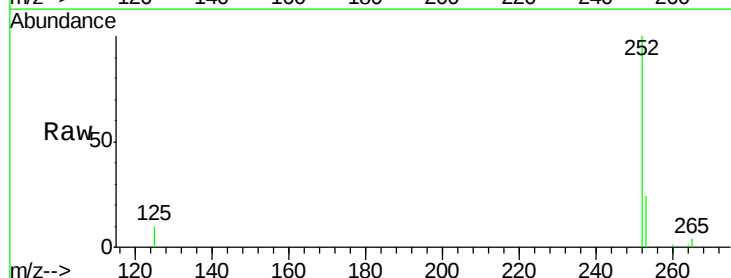
Tgt Ion:252 Resp: 14237

Ion Ratio Lower Upper

252 100

253 23.9 20.5 30.7

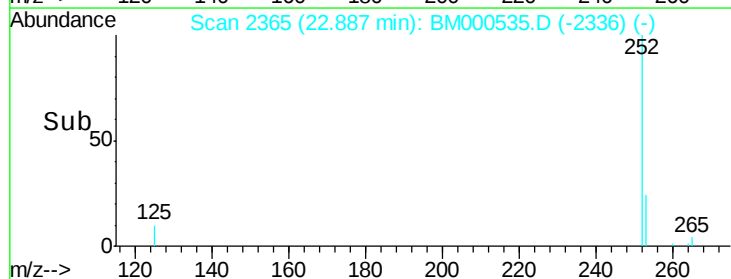
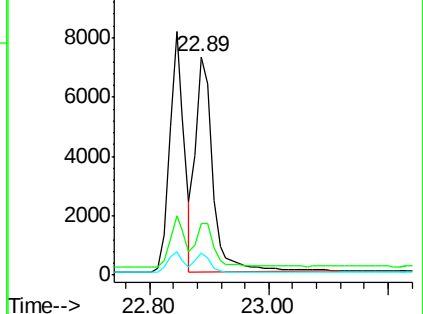
125 9.9 7.0 10.4

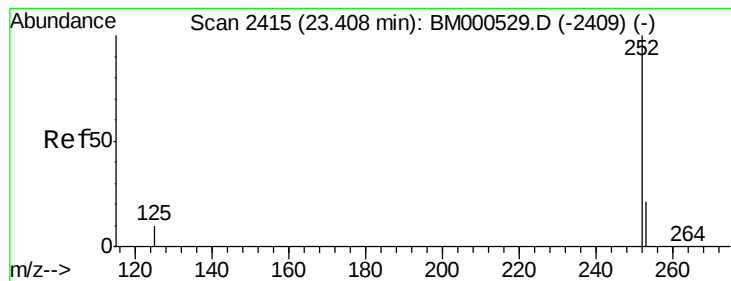


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.42 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

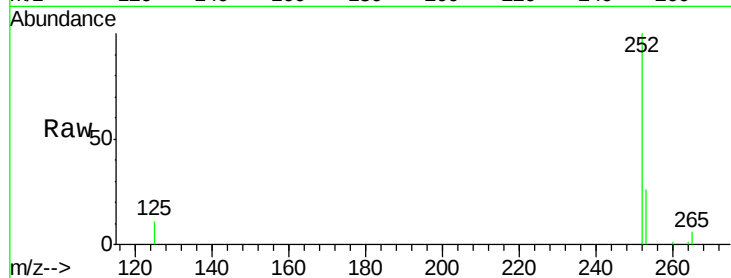
Tgt Ion:252 Resp: 12631

Ion Ratio Lower Upper

252 100

253 26.4 20.2 30.4

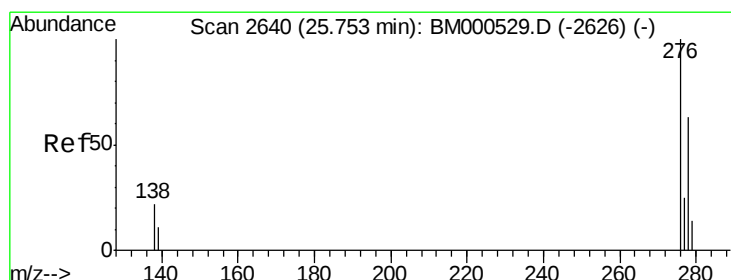
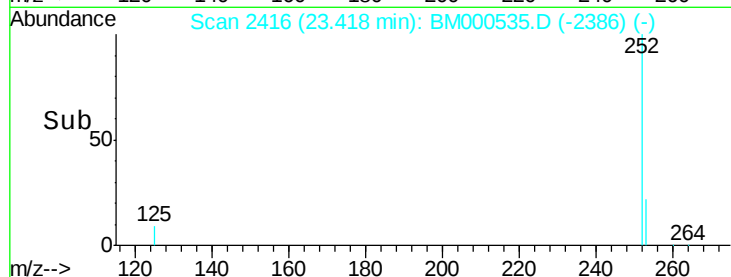
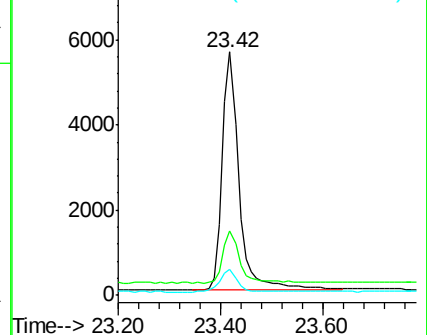
125 10.7 8.6 13.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 25.75 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

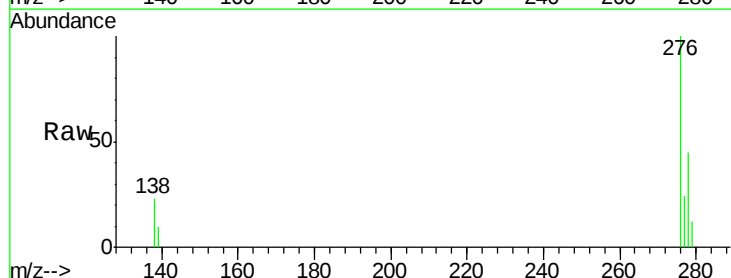
Tgt Ion:276 Resp: 13775

Ion Ratio Lower Upper

276 100

138 21.9 17.0 25.6

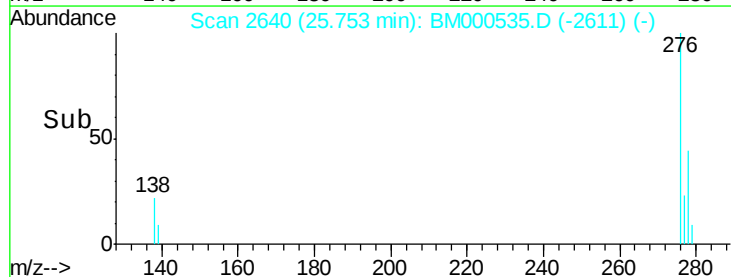
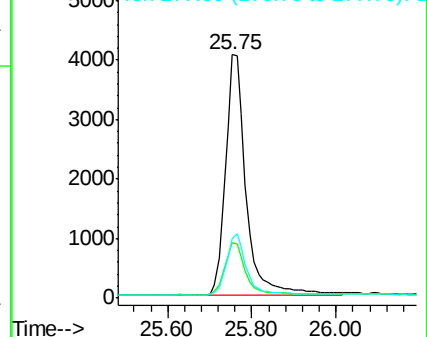
277 25.0 19.8 29.8

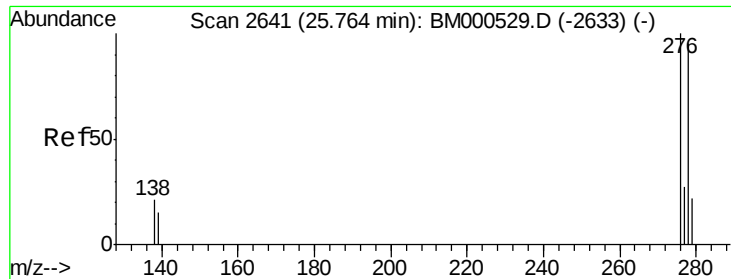


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 25.77 min Scan# 2642

Delta R.T. 0.01 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.414

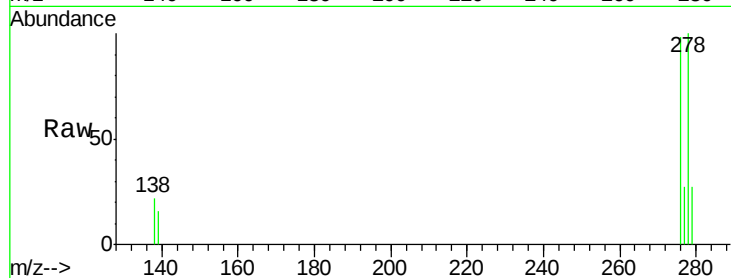
Tgt Ion:278 Resp: 10778

Ion Ratio Lower Upper

278 100

139 16.3 13.4 20.2

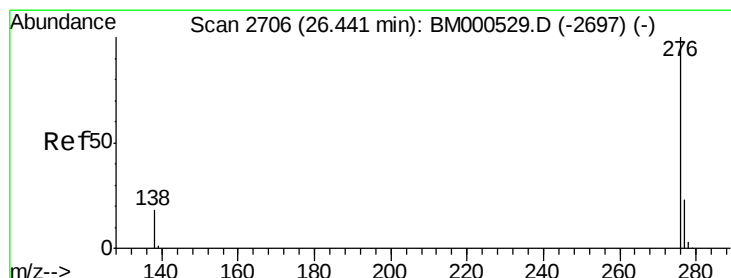
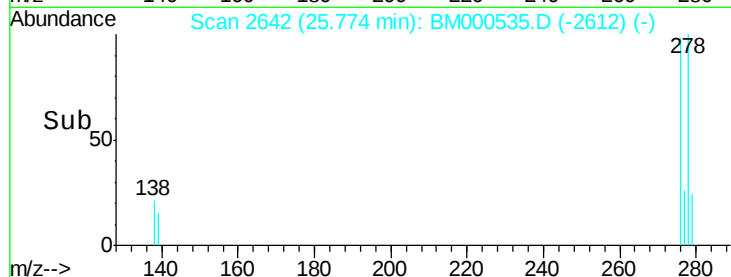
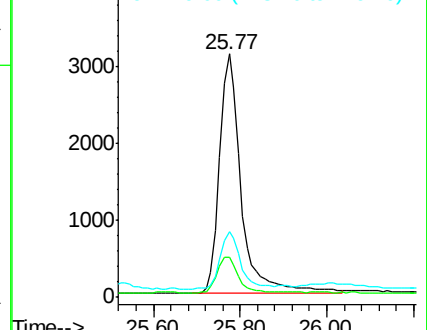
279 26.9 20.6 30.8



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



#26

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.44 min Scan# 2706

Delta R.T. 0.00 min

Lab File: BM000535.D

Acq: 16 Feb 2015 17:01

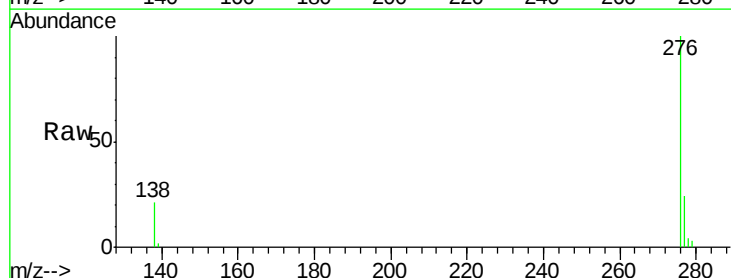
Tgt Ion:276 Resp: 12166

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.2

138 20.7 15.6 23.4



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

