

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003574.D
 Acq On : 16 Dec 2015 11:32
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.455

Quant Time: Dec 17 01:04:41 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 16 05:49:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4491	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	17269	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9137	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	21074	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	22194	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	17630	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	3975	2.07	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.10	152	8296	0.40	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	18562	0.41	ng/ul	0.00

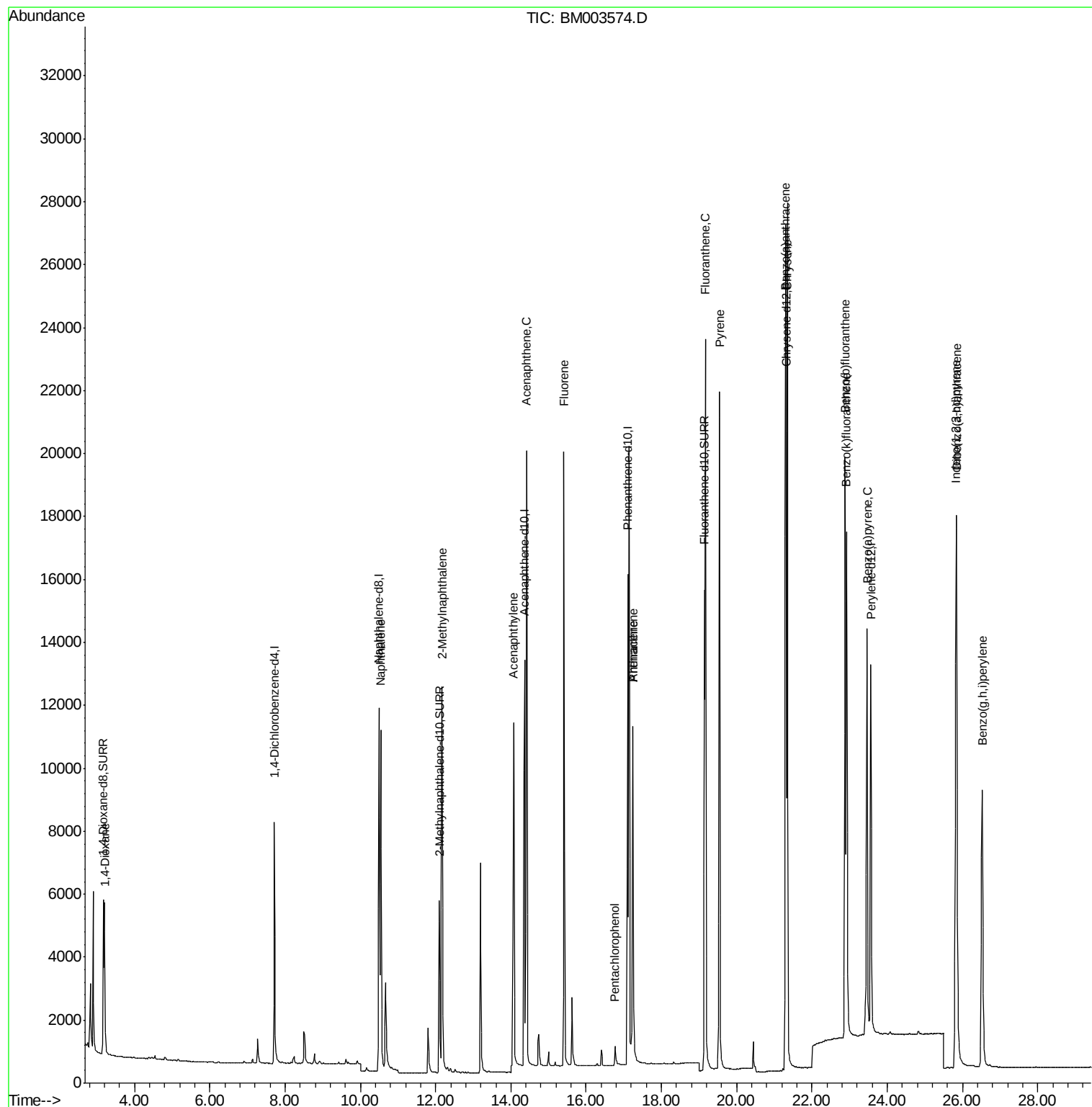
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.21	88	4795	1.96	ng/ul#	100
5) Naphthalene	10.55	128	15730	0.40	ng/ul	98
7) 2-Methylnaphthalene	12.17	142	10806	0.41	ng/ul	98
9) Acenaphthylene	14.07	152	13200	0.38	ng/ul	94
10) Acenaphthene	14.42	153	11698	0.42	ng/ul	86
11) Fluorene	15.41	166	13451	0.43	ng/ul	85
13) Pentachlorophenol	16.76	266	727	0.24	ng/ul	93
14) Phenanthrene	17.24	178	17425	0.32	ng/ul	99
15) Anthracene	17.24	178	18591	0.40	ng/ul	97
17) Fluoranthene	19.17	202	24856	0.42	ng/ul	96
19) Pyrene	19.54	202	25522	0.43	ng/ul	93
20) Benzo(a)anthracene	21.29	228	21523	0.40	ng/ul	98
21) Chrysene	21.35	228	25879	0.42	ng/ul	98
23) Benzo(b)fluoranthene	22.88	252	23486	0.39	ng/ul	98
24) Benzo(k)fluoranthene	22.92	252	23229	0.43	ng/ul	97
25) Benzo(a)pyrene	23.46	252	20589	0.41	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.83	276	22058	0.37	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.84	278	17527	0.37	ng/ul	99
28) Benzo(g,h,i)perylene	26.53	276	19362	0.38	ng/ul	96

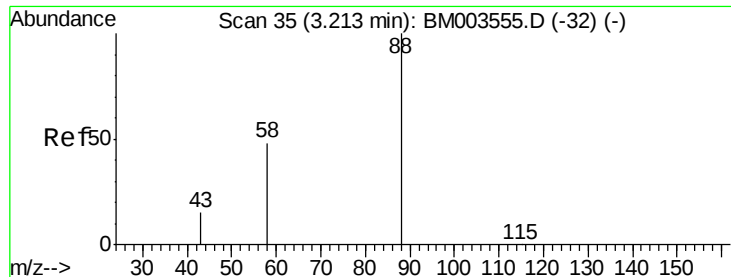
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.96 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

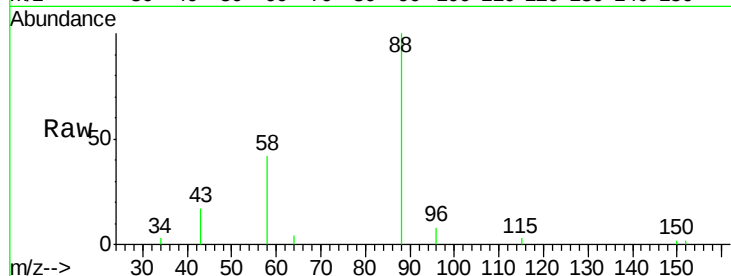
Tgt Ion: 88 Resp: 4795

Ion Ratio Lower Upper

88 100

58 60.6 0.0 0.0#

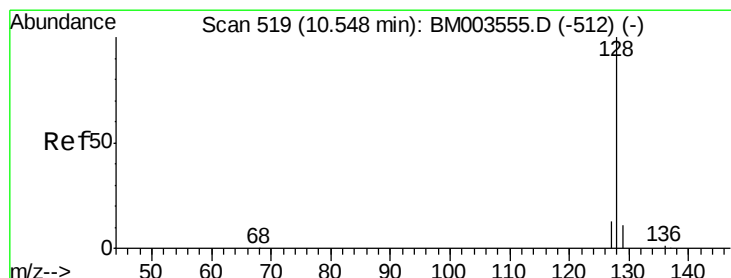
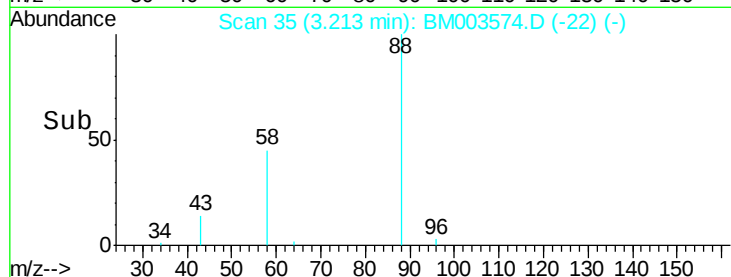
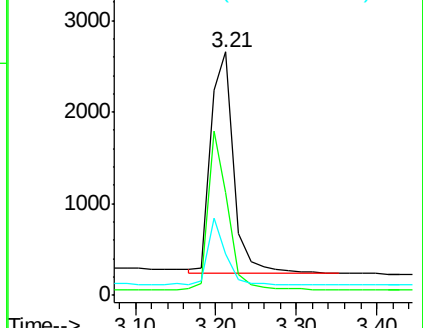
43 22.8 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003555.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM003555.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM003555.D (-32) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

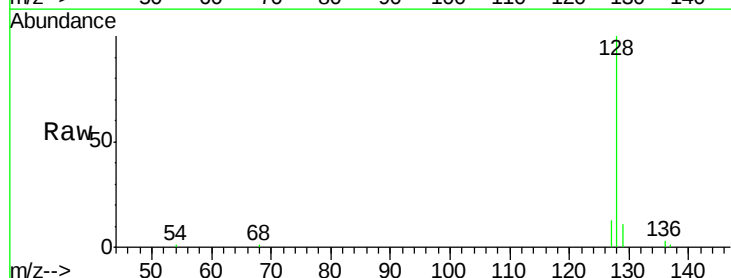
Tgt Ion: 128 Resp: 15730

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

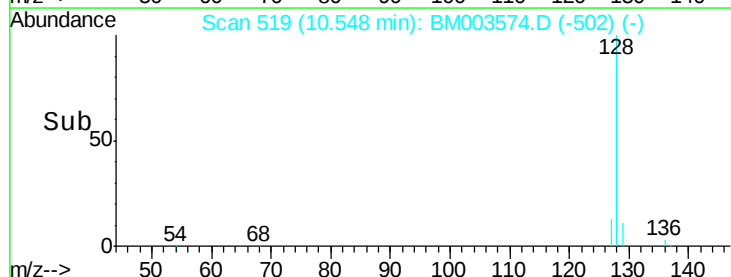
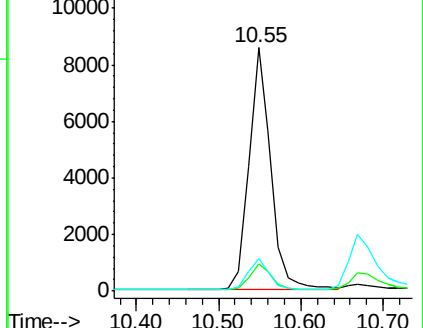
127 13.4 9.6 14.4

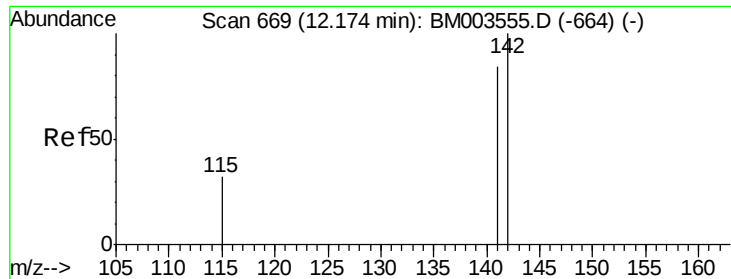


Abundance Ion 128.00 (127.70 to 128.70): BM003555.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM003555.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM003555.D (-512) (-)





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

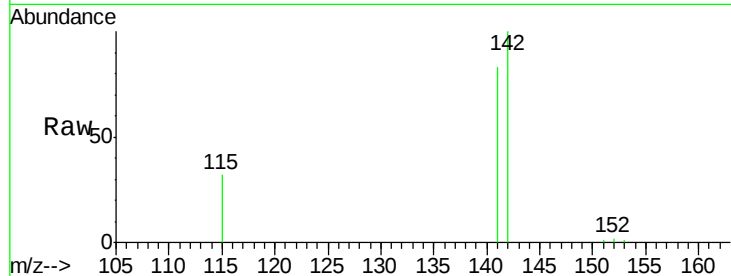
SSTD0.455

Tgt Ion:142 Resp: 10806

Ion Ratio Lower Upper

142 100

141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.17

6000

5000

4000

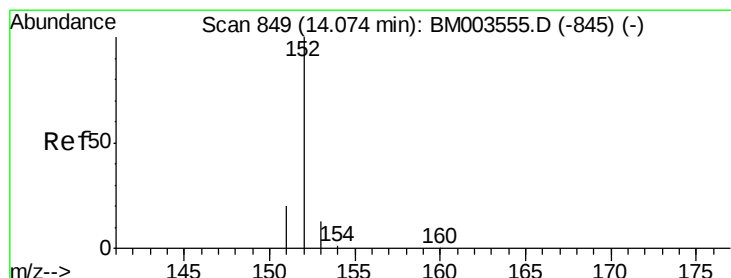
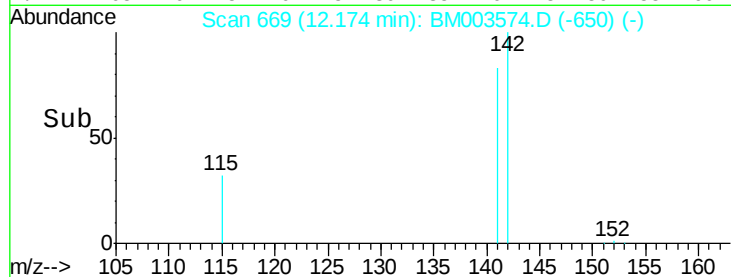
3000

2000

1000

0

Time--> 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 0.38 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

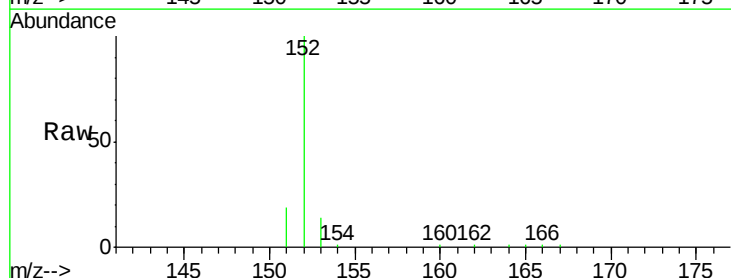
Tgt Ion:152 Resp: 13200

Ion Ratio Lower Upper

152 100

151 18.9 17.6 26.4

153 13.8 9.7 14.5



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

14.07

10000

8000

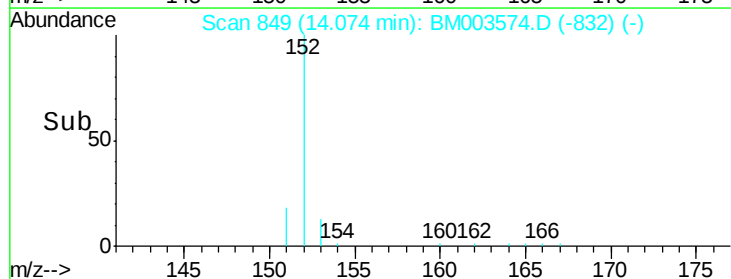
6000

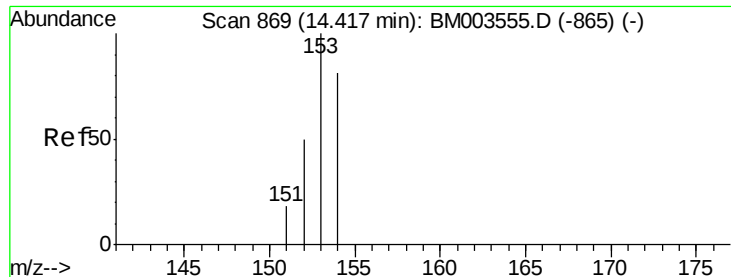
4000

2000

0

Time--> 13.90 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

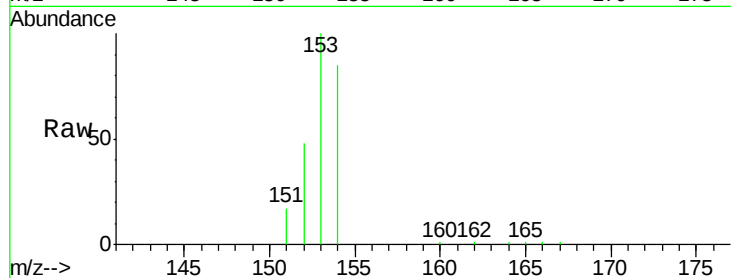
Tgt Ion:153 Resp: 11698

Ion Ratio Lower Upper

153 100

152 48.5 33.9 50.9

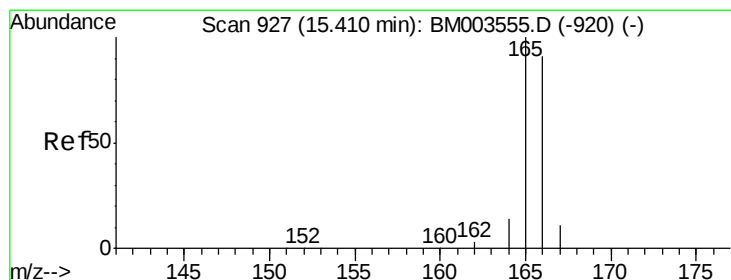
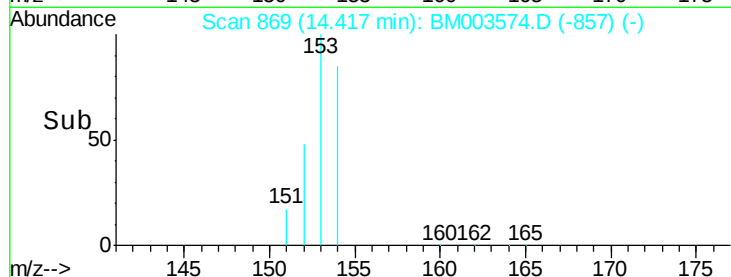
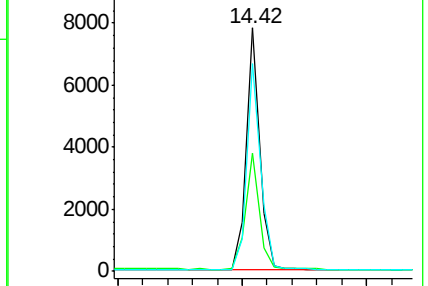
154 85.2 80.6 121.0



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



#11

Fluorene

Concen: 0.43 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

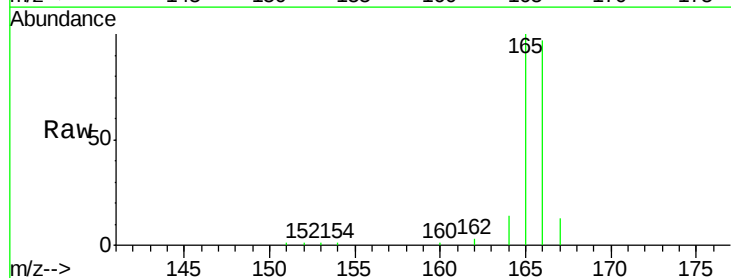
Tgt Ion:166 Resp: 13451

Ion Ratio Lower Upper

166 100

165 102.7 69.6 104.4

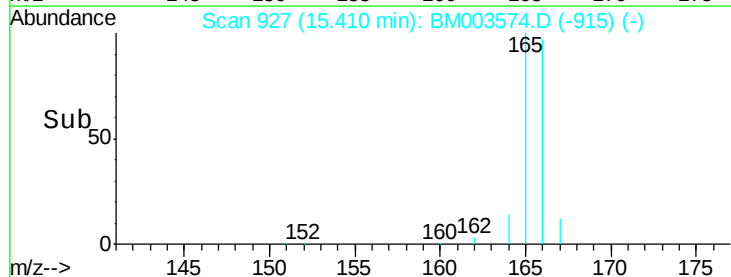
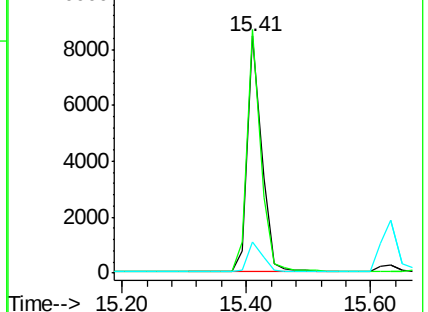
167 13.0 11.9 17.9

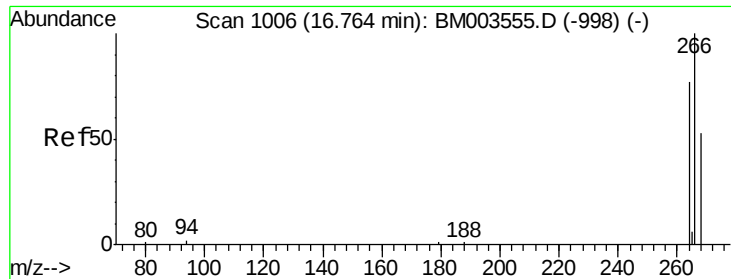


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

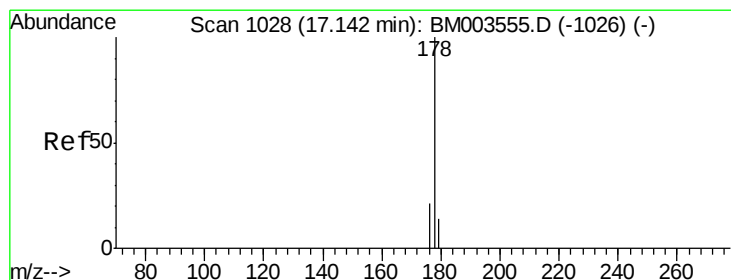
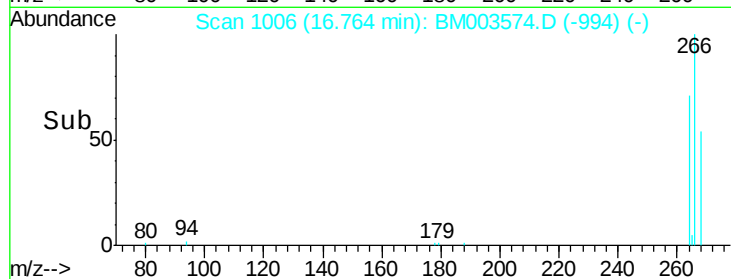
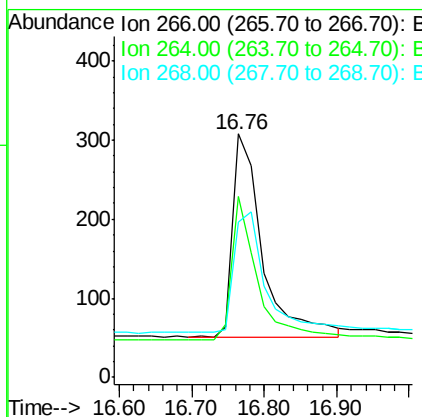
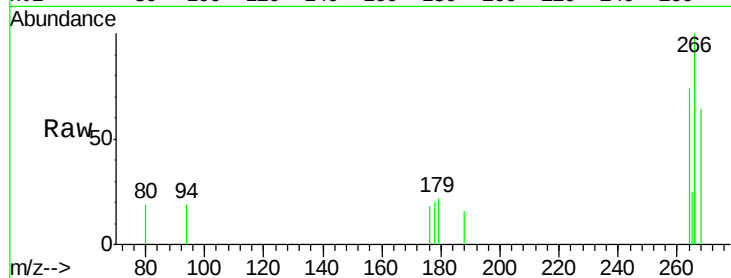




#13
 Pentachlorophenol
 Concen: 0.24 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003574.D
 Acq: 16 Dec 2015 11:32

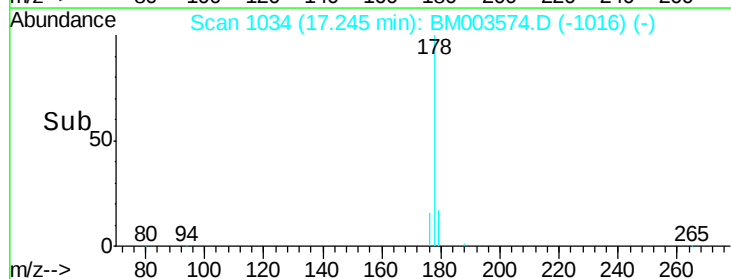
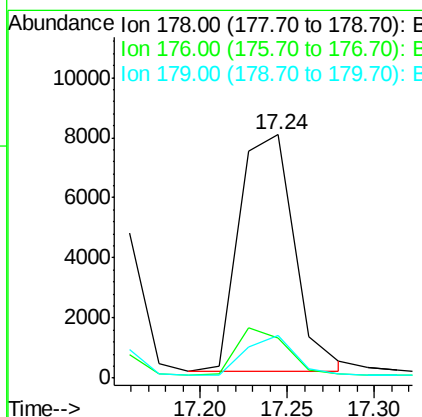
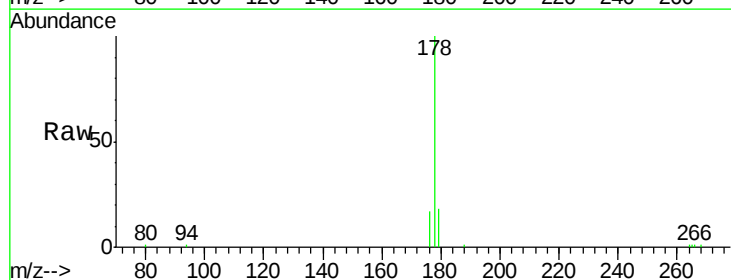
Instrument :
 BNA_M
 ClientSampleId :
 SST0.455

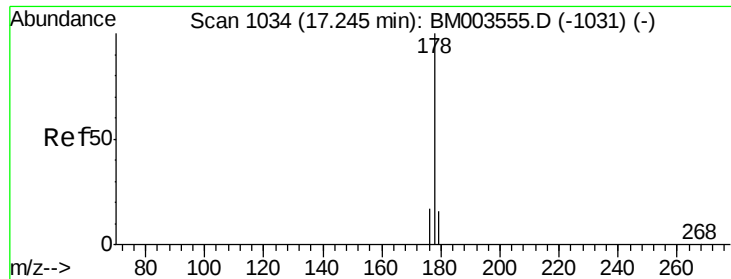
Tgt Ion: 266 Resp: 727
 Ion Ratio Lower Upper
 266 100
 264 61.9 51.8 77.8
 268 65.9 46.8 70.2



#14
 Phenanthrene
 Concen: 0.32 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003574.D
 Acq: 16 Dec 2015 11:32

Tgt Ion: 178 Resp: 17425
 Ion Ratio Lower Upper
 178 100
 176 16.6 13.0 19.4
 179 17.6 14.2 21.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

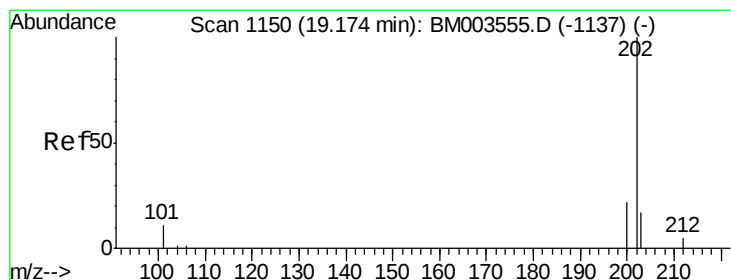
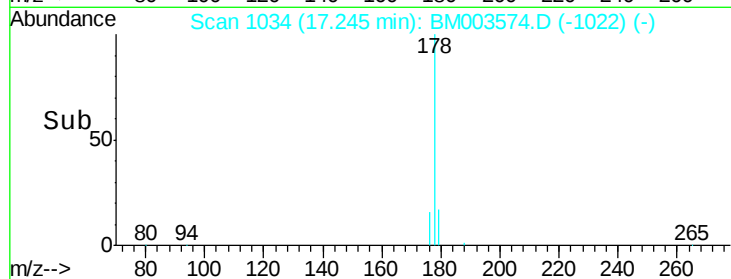
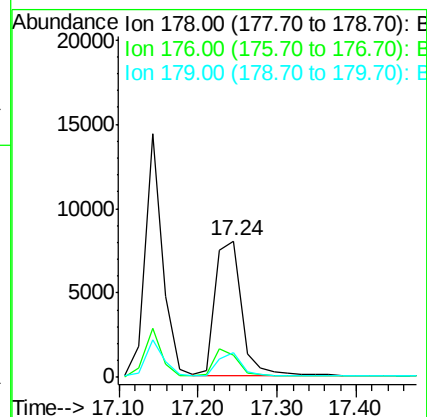
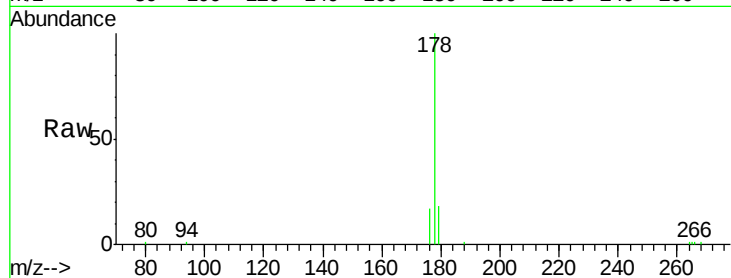
Tgt Ion:178 Resp: 18591

Ion Ratio Lower Upper

178 100

176 16.6 14.0 21.0

179 17.6 12.9 19.3



#17

Fluoranthene

Concen: 0.42 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

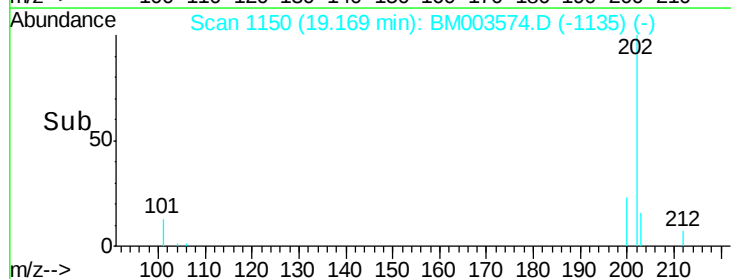
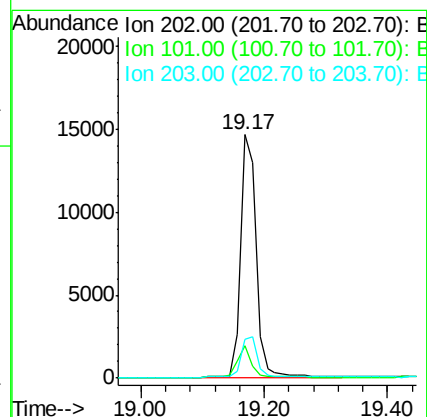
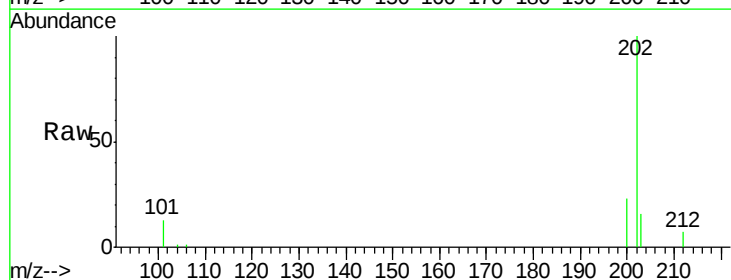
Tgt Ion:202 Resp: 24856

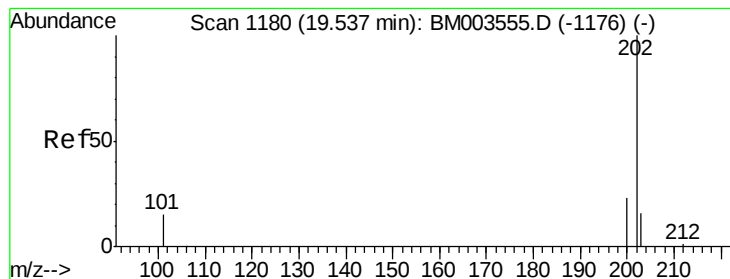
Ion Ratio Lower Upper

202 100

101 13.2 0.0 29.6

203 16.0 0.0 36.3





#19

Pyrene

Concen: 0.43 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

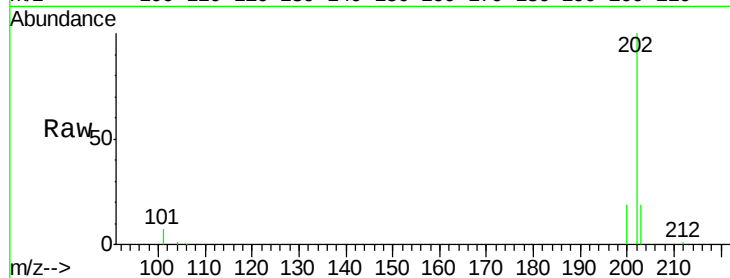
Tgt Ion:202 Resp: 25522

Ion Ratio Lower Upper

202 100

200 19.0 17.8 26.8

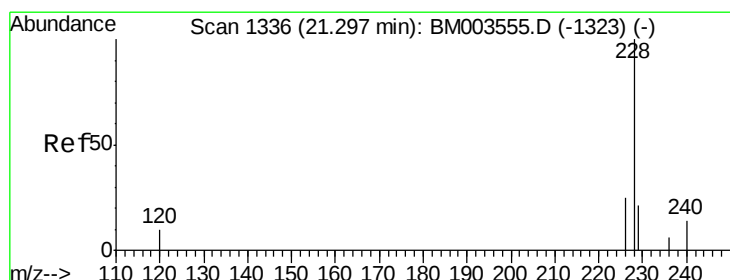
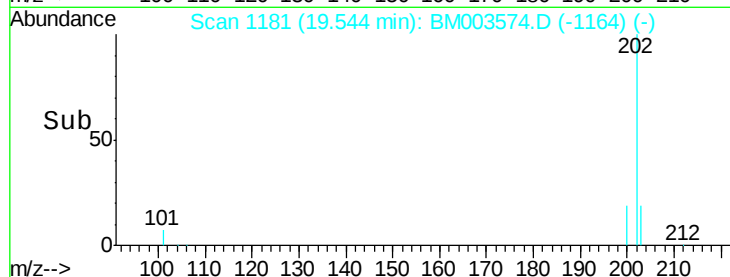
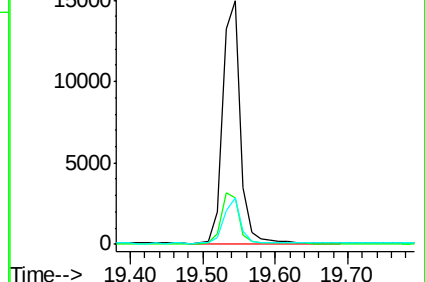
203 18.9 12.8 19.2



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



#20

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

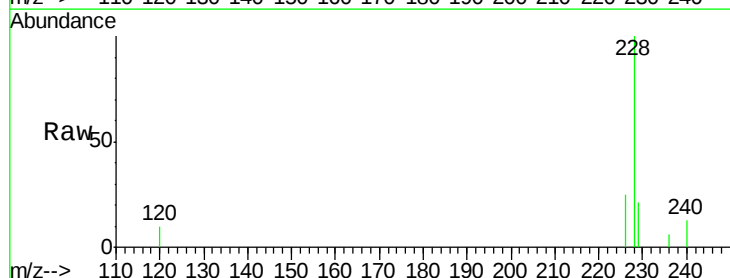
Tgt Ion:228 Resp: 21523

Ion Ratio Lower Upper

228 100

226 24.8 18.8 28.2

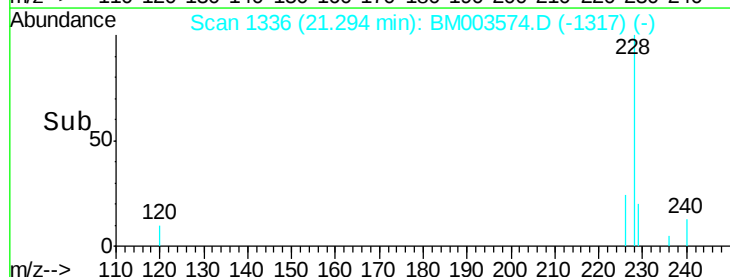
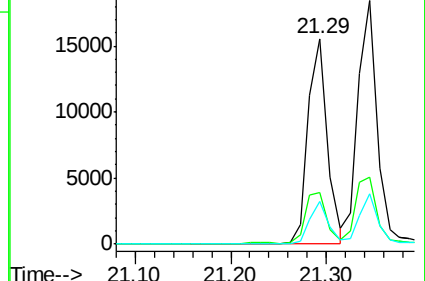
229 20.7 17.1 25.7

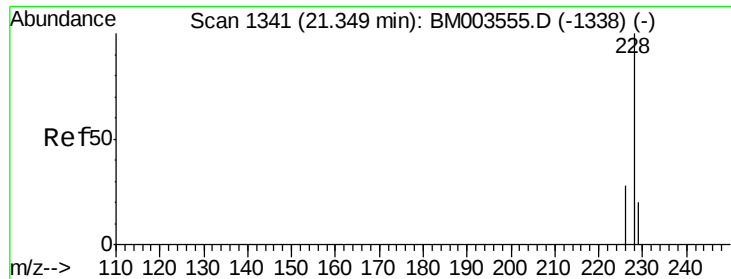


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.42 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

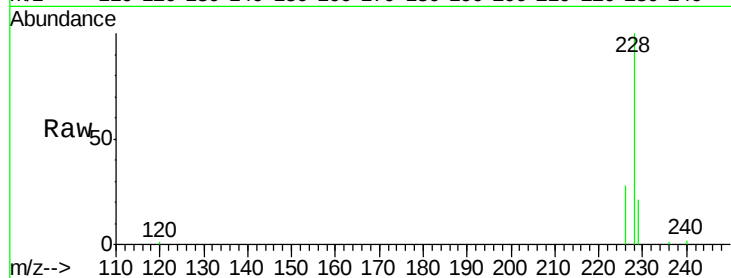
Tgt Ion:228 Resp: 25879

Ion Ratio Lower Upper

228 100

226 27.7 21.2 31.8

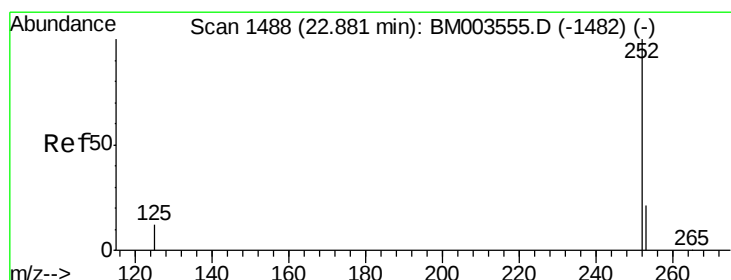
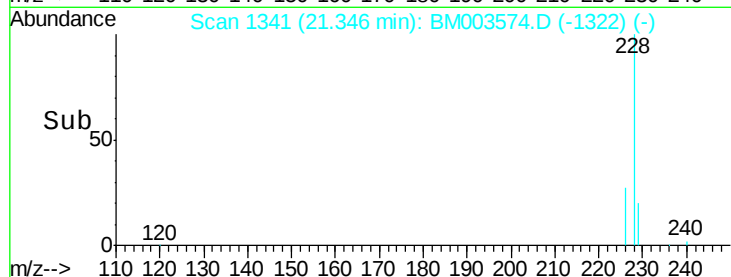
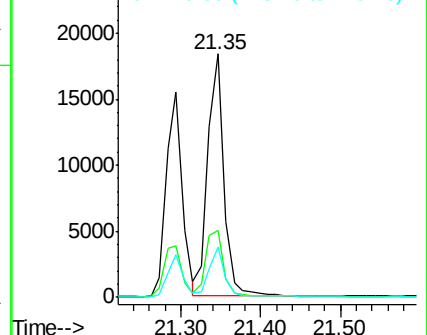
229 20.5 17.0 25.6



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



#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

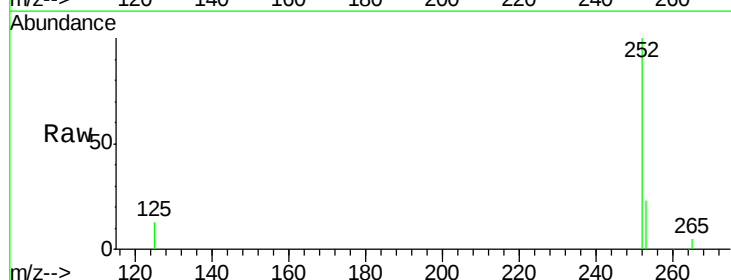
Tgt Ion:252 Resp: 23486

Ion Ratio Lower Upper

252 100

253 22.8 0.0 45.4

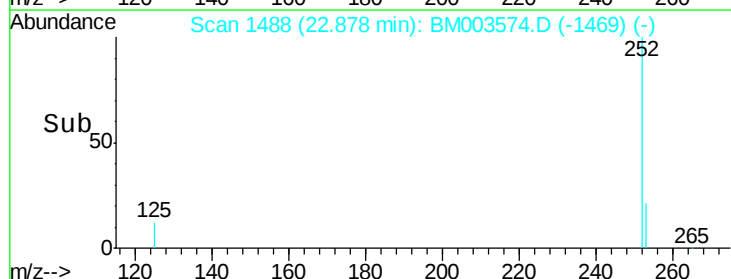
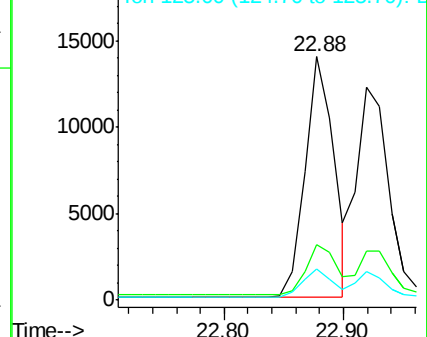
125 12.8 0.0 28.8

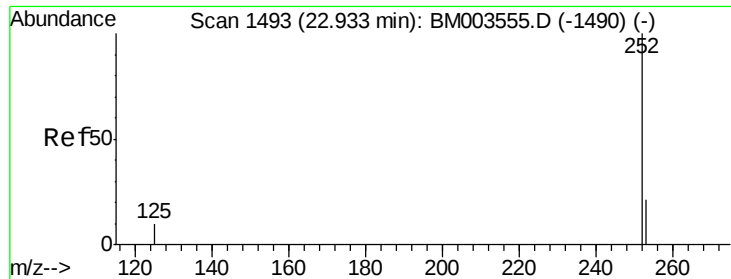


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

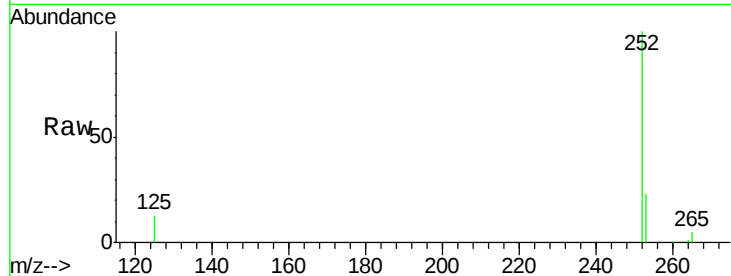
Tgt Ion:252 Resp: 23229

Ion Ratio Lower Upper

252 100

253 23.0 19.8 29.8

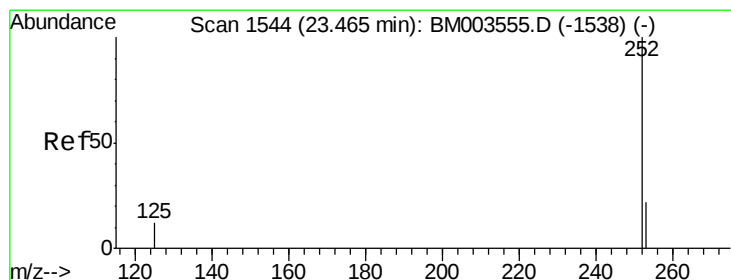
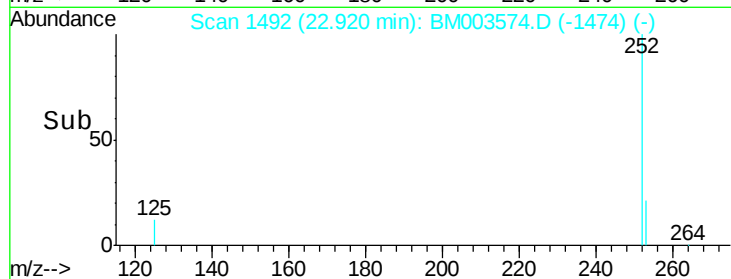
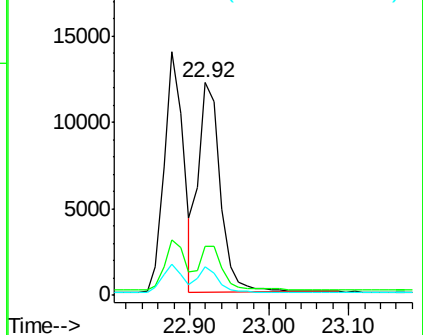
125 13.2 10.4 15.6



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



#25

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

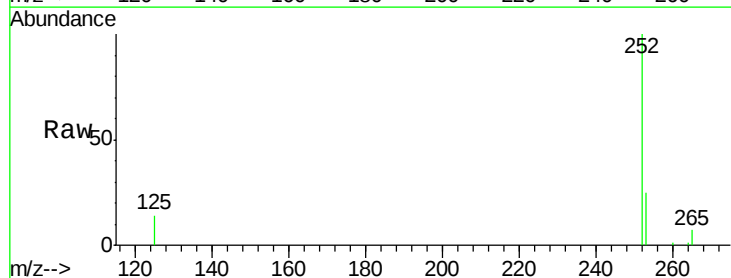
Tgt Ion:252 Resp: 20589

Ion Ratio Lower Upper

252 100

253 25.3 19.4 29.2

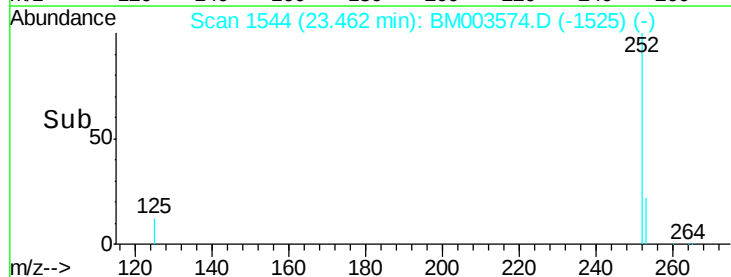
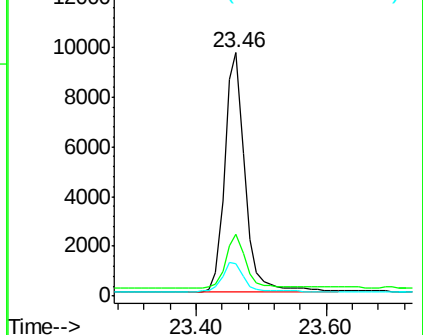
125 13.6 12.7 19.1

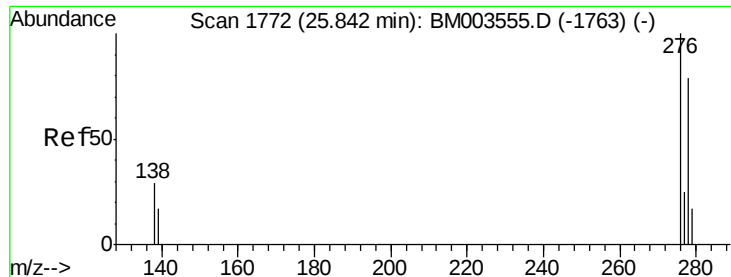


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

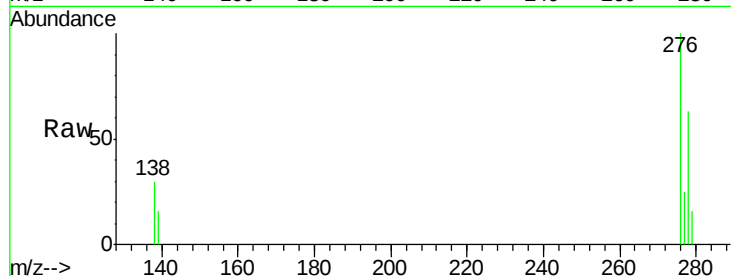
Tgt Ion:276 Resp: 22058

Ion Ratio Lower Upper

276 100

138 29.9 16.3 24.5#

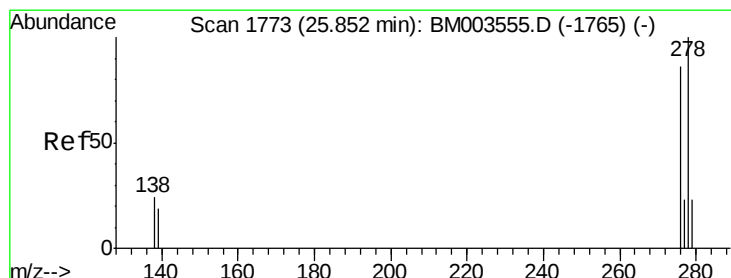
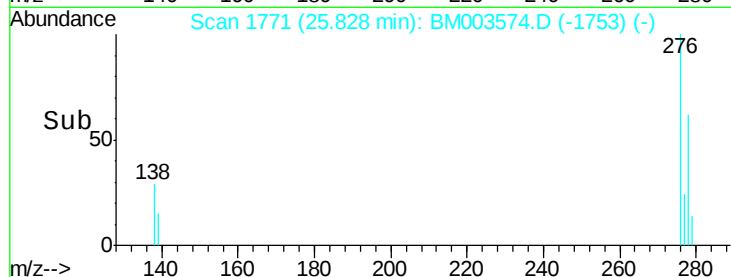
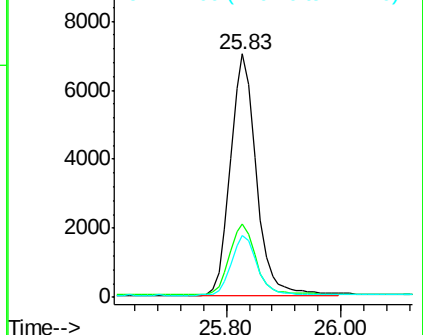
277 24.8 19.8 29.8



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



#27

Dibenzo(a,h)anthracene

Concen: 0.37 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BM003574.D

Acq: 16 Dec 2015 11:32

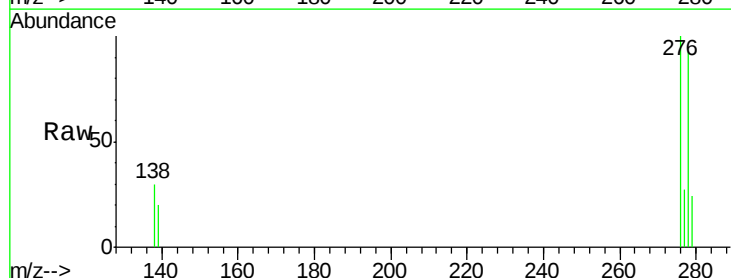
Tgt Ion:278 Resp: 17527

Ion Ratio Lower Upper

278 100

139 21.5 16.4 24.6

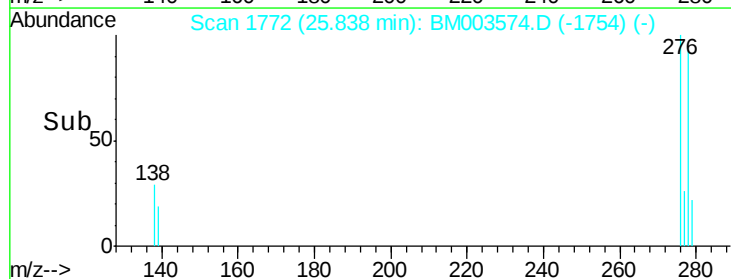
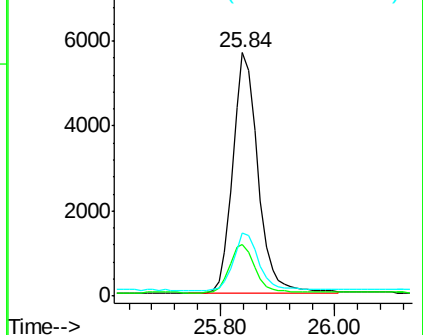
279 25.7 20.2 30.2

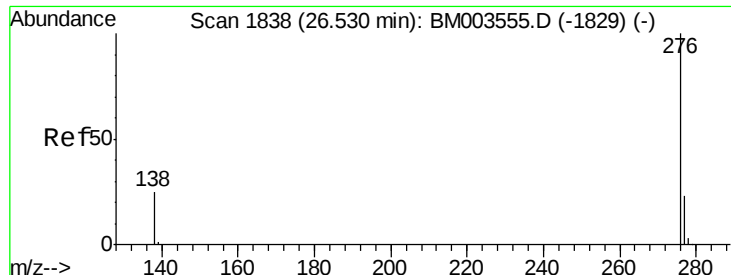


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.38 ng/u1

RT: 26.53 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BM003574.D

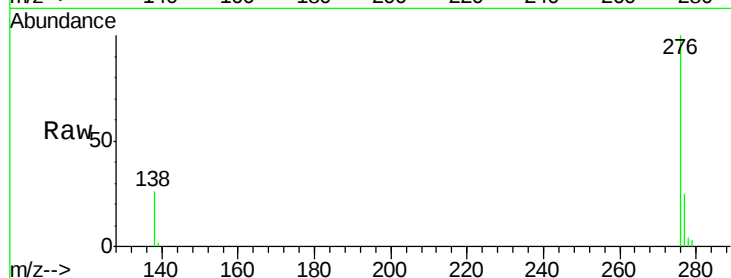
Acq: 16 Dec 2015 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.455



Tgt Ion: 276 Resp: 19362

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 25.6 22.5 33.7

