

Data Path : Z:\HPCHEM1\BNA_M\Data\BM041116\
 Data File : BM004932.D
 Acq On : 11 Apr 2016 11:19
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.439

Quant Time: Apr 12 01:09:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 09 01:17:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1506	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	6024	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3350	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	7679	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	7594	0.40	ng/ul	0.00
22) Perylene-d12	23.67	264	6232	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1462	2.15	ng/uL	0.02
6) 2-Methylnaphthalene-d10	12.21	152	3009	0.36	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	7050	0.39	ng/ul	0.00

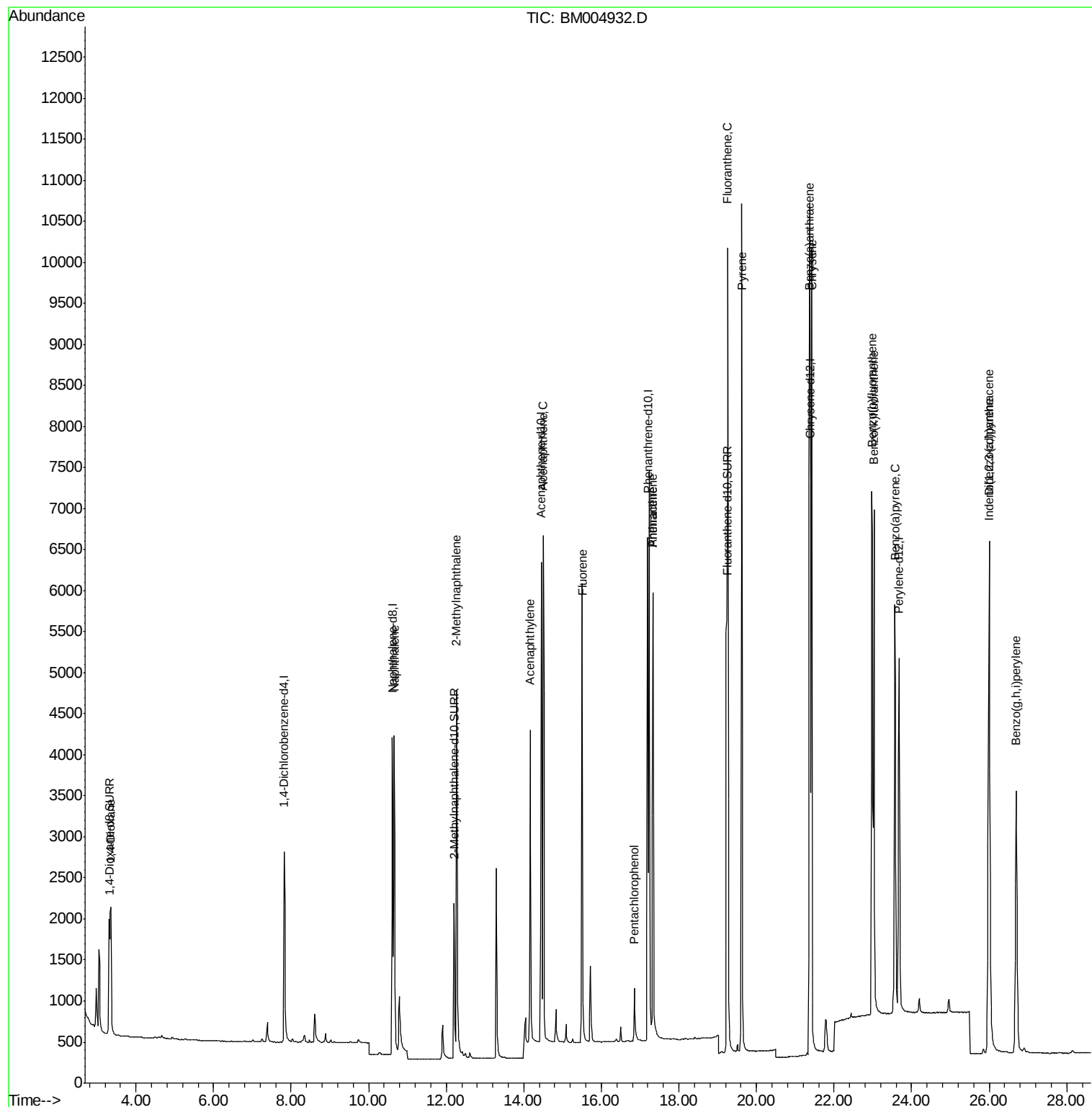
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	1759	2.13	ng/ul#	24
5) Naphthalene	10.66	128	5826	0.40	ng/ul	96
7) 2-Methylnaphthalene	12.27	142	3999	0.38	ng/ul	99
9) Acenaphthylene	14.16	152	5480	0.36	ng/ul	98
10) Acenaphthene	14.50	153	4541	0.42	ng/ul#	78
11) Fluorene	15.51	166	5204	0.40	ng/ul	97
13) Pentachlorophenol	16.85	266	632	0.33	ng/ul	97
14) Phenanthrene	17.33	178	7006	0.32	ng/ul	97
15) Anthracene	17.33	178	7502	0.37	ng/ul	98
17) Fluoranthene	19.26	202	10021	0.41	ng/ul	97
19) Pyrene	19.62	202	10354	0.40	ng/ul	96
20) Benzo(a)anthracene	21.37	228	8440	0.36	ng/ul	98
21) Chrysene	21.42	228	9604	0.43	ng/ul	98
23) Benzo(b)fluoranthene	22.98	252	9502	0.45	ng/ul	95
24) Benzo(k)fluoranthene	23.03	252	7825	0.40	ng/ul#	97
25) Benzo(a)pyrene	23.57	252	7923	0.41	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.99	276	7706	0.43	ng/ul#	83
27) Dibenzo(a,h)anthracene	26.00	278	6143	0.44	ng/ul#	91
28) Benzo(g,h,i)perylene	26.70	276	6638	0.45	ng/ul#	91

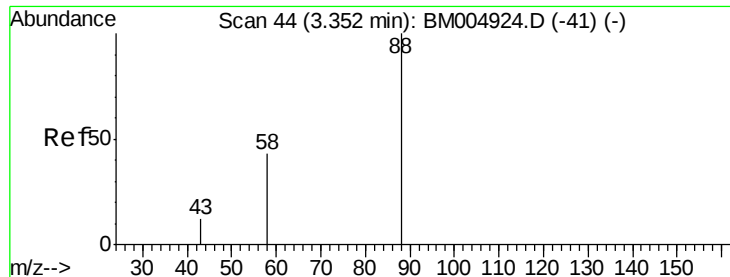
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.13 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

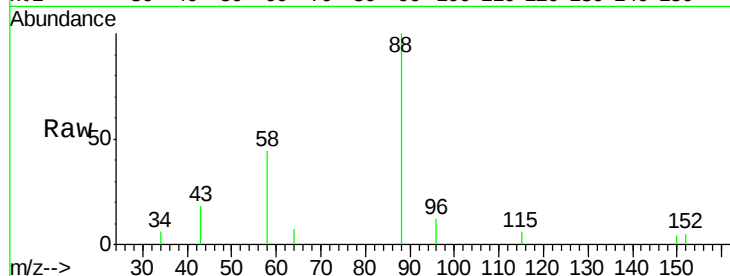
Tgt Ion: 88 Resp: 1759

Ion Ratio Lower Upper

88 100

58 56.6 8.0 12.0#

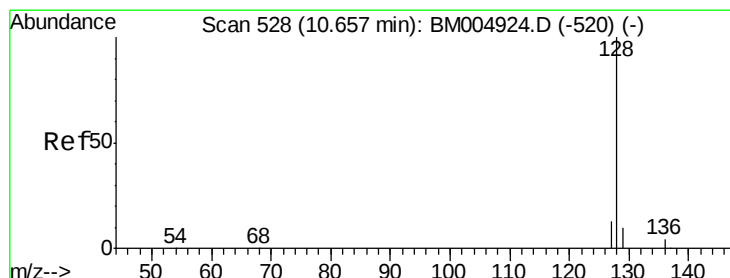
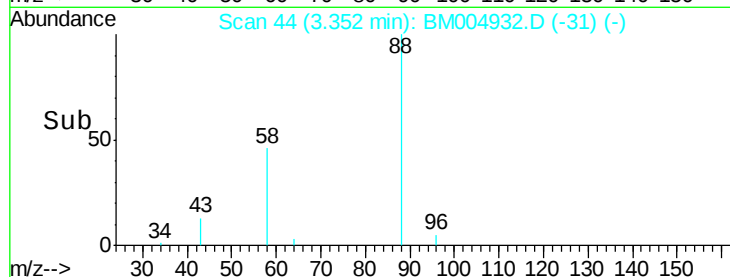
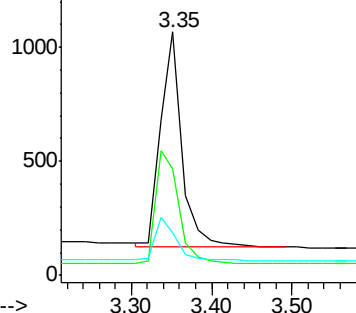
43 19.9 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004932.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004932.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004932.D (-41) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

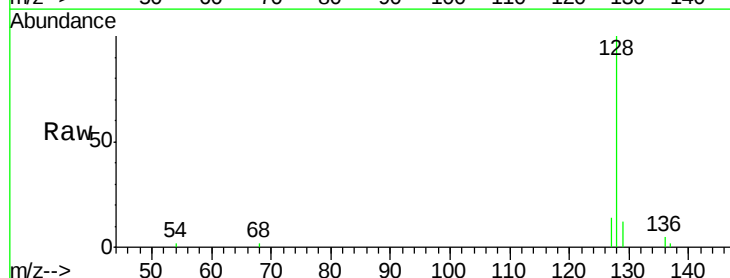
Tgt Ion: 128 Resp: 5826

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

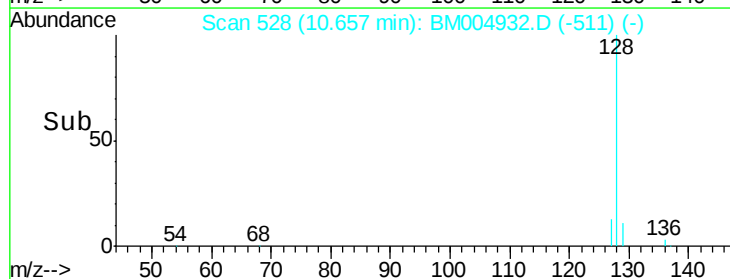
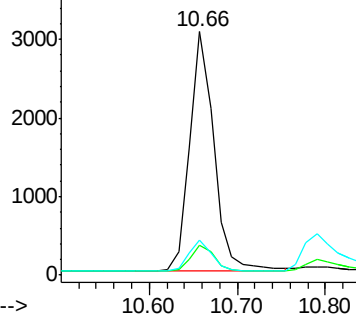
127 14.4 9.6 14.4

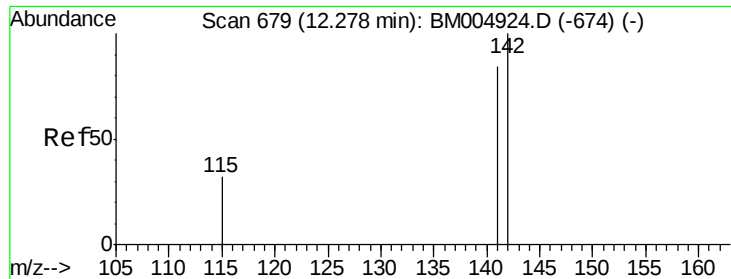


Abundance Ion 128.00 (127.70 to 128.70): BM004932.D (-511) (-)

Ion 129.00 (128.70 to 129.70): BM004932.D (-511) (-)

Ion 127.00 (126.70 to 127.70): BM004932.D (-511) (-)





#7

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. -0.01 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

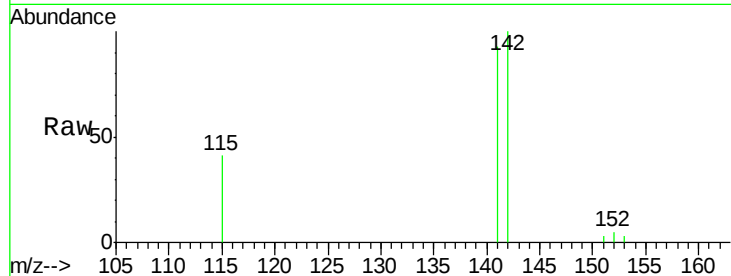
SSTD0.439

Tgt Ion:142 Resp: 3999

Ion Ratio Lower Upper

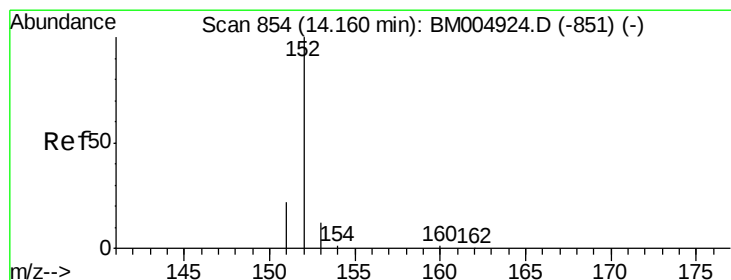
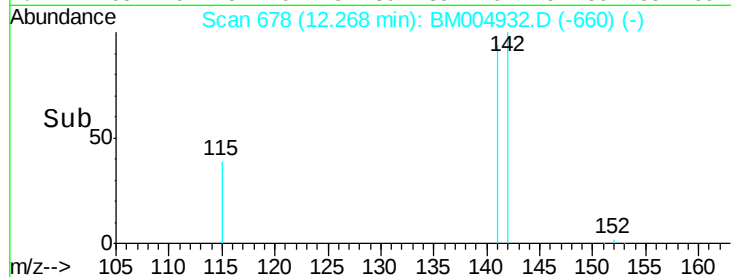
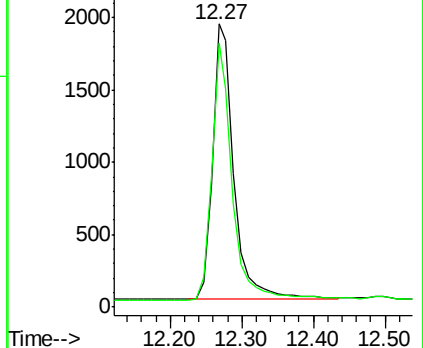
142 100

141 88.9 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: 0.36 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

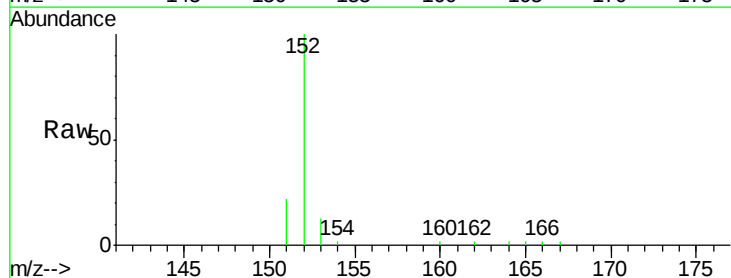
Tgt Ion:152 Resp: 5480

Ion Ratio Lower Upper

152 100

151 22.4 17.6 26.4

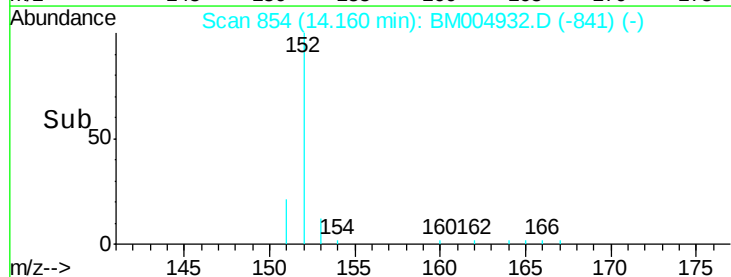
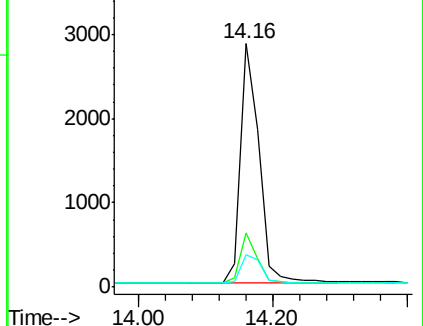
153 13.2 9.7 14.5

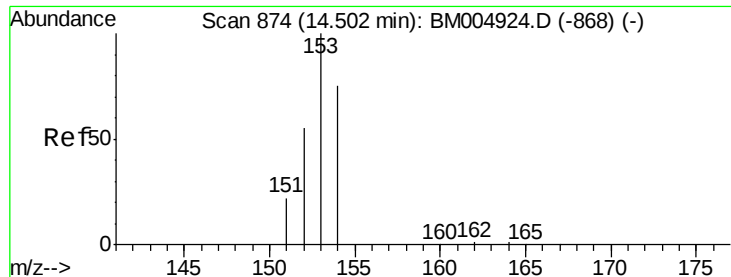


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

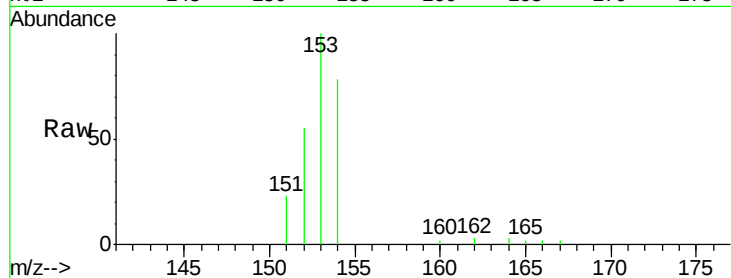
Tgt Ion:153 Resp: 4541

Ion Ratio Lower Upper

153 100

152 55.1 33.9 50.9#

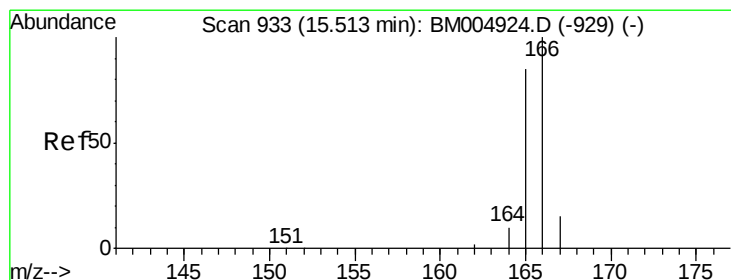
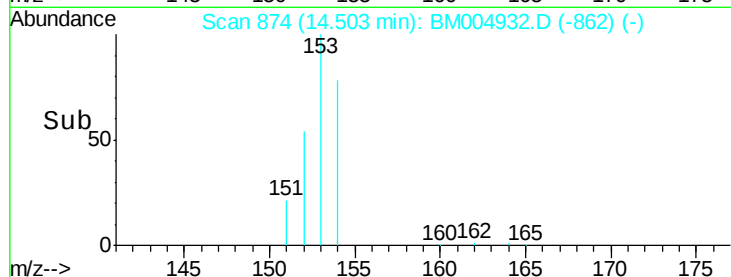
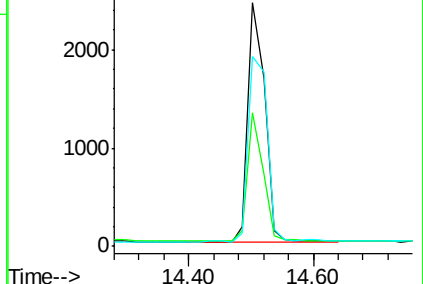
154 78.0 80.6 121.0#



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: 0.40 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

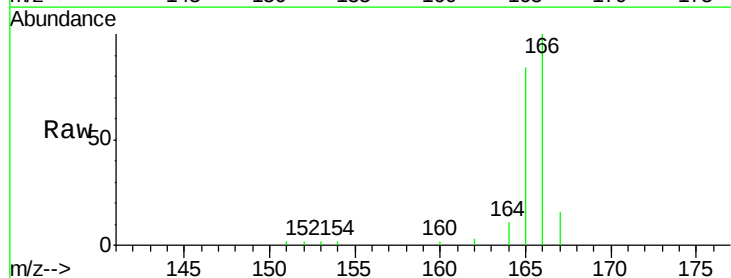
Tgt Ion:166 Resp: 5204

Ion Ratio Lower Upper

166 100

165 84.3 69.6 104.4

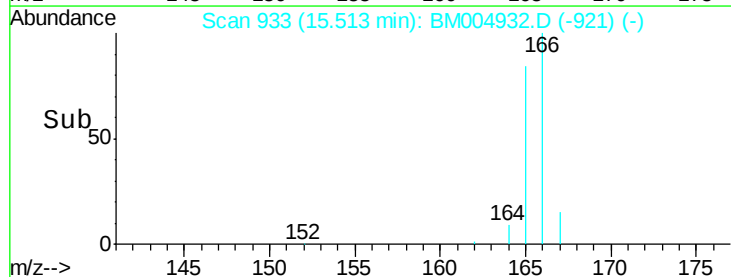
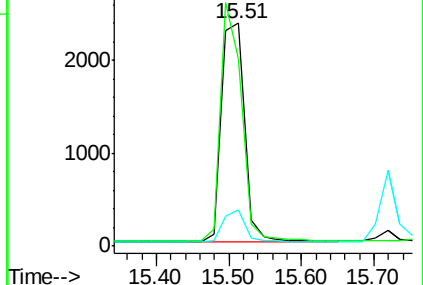
167 16.5 11.9 17.9

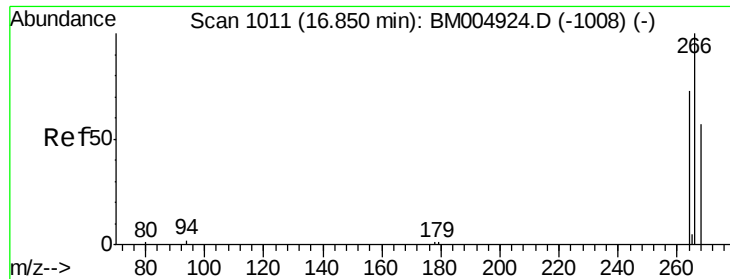


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

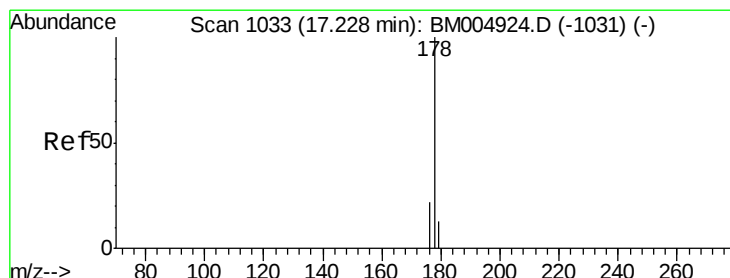
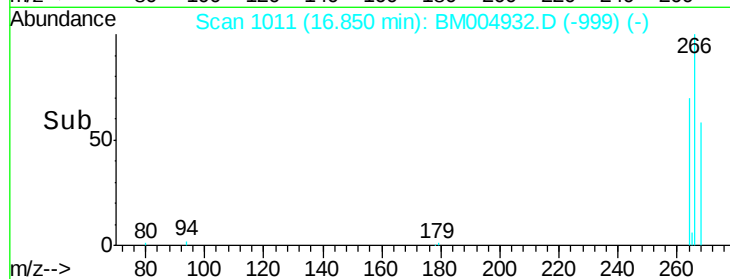
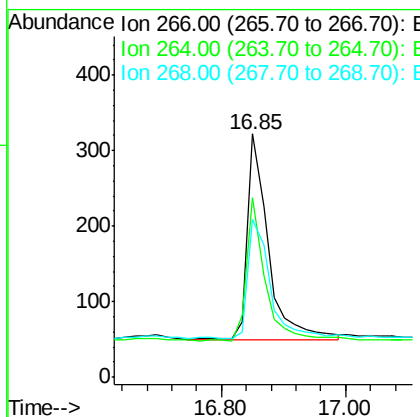
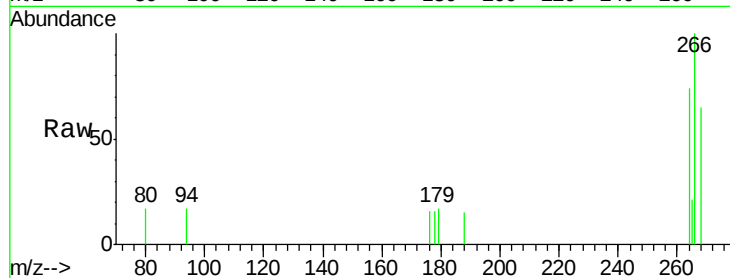




#13
 Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BM004932.D
 Acq: 11 Apr 2016 11:19

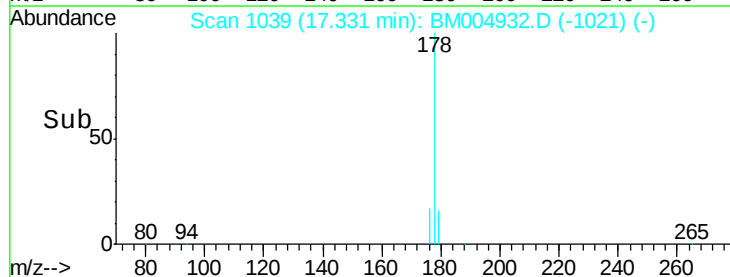
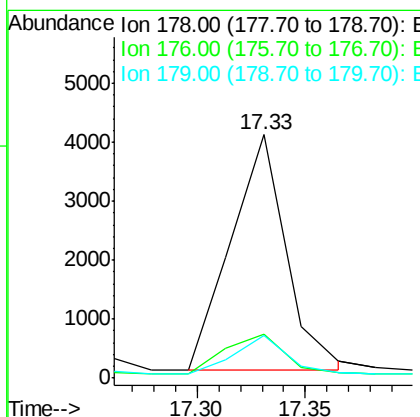
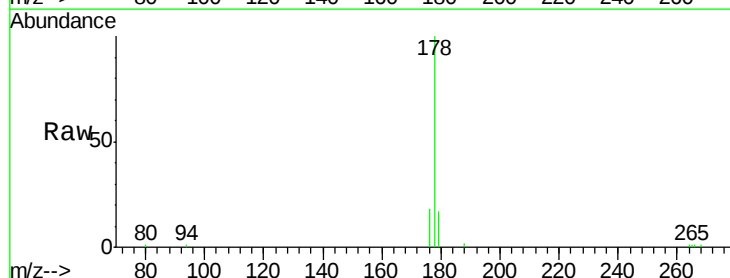
Instrument :
 BNA_M
 ClientSampleId :
 SST0.439

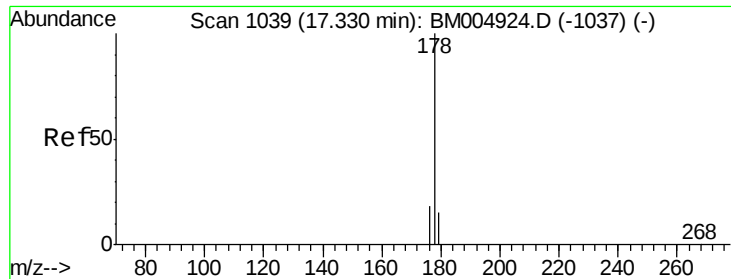
Tgt Ion: 266 Resp: 632
 Ion Ratio Lower Upper
 266 100
 264 63.0 51.8 77.8
 268 61.6 46.8 70.2



#14
 Phenanthrene
 Concen: 0.32 ng/ul
 RT: 17.33 min Scan# 1039
 Delta R.T. 0.10 min
 Lab File: BM004932.D
 Acq: 11 Apr 2016 11:19

Tgt Ion: 178 Resp: 7006
 Ion Ratio Lower Upper
 178 100
 176 18.3 13.0 19.4
 179 17.3 14.2 21.2





#15

Anthracene

Concen: 0.37 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

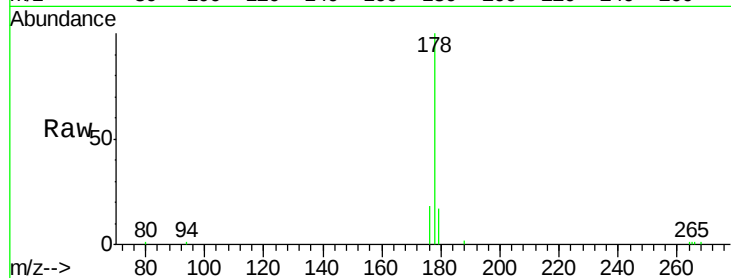
Tgt Ion:178 Resp: 7502

Ion Ratio Lower Upper

178 100

176 18.3 14.0 21.0

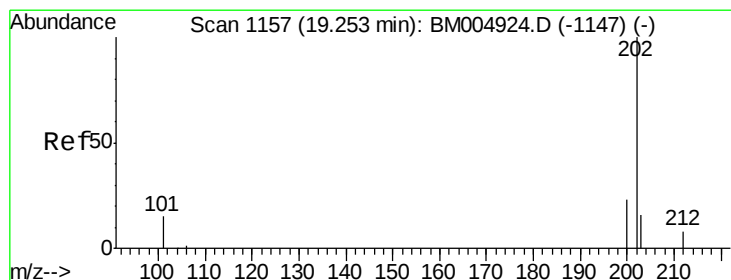
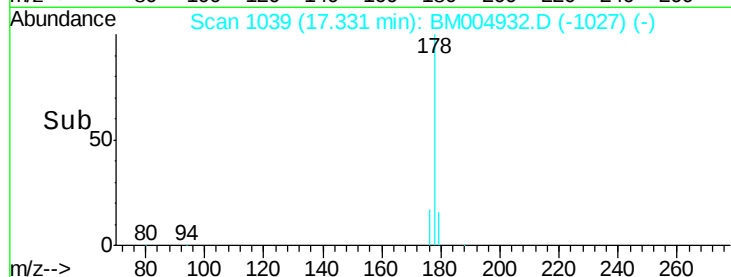
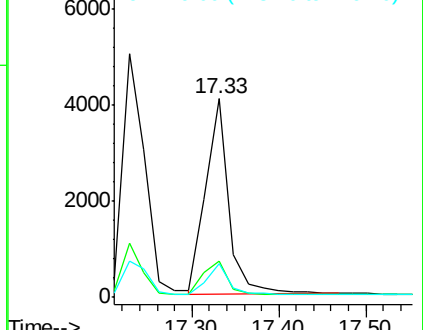
179 17.3 12.9 19.3



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: 0.41 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

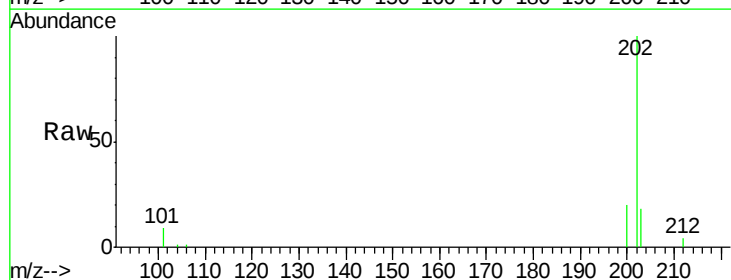
Tgt Ion:202 Resp: 10021

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.6

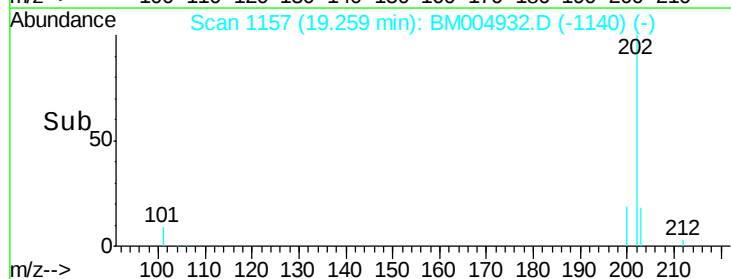
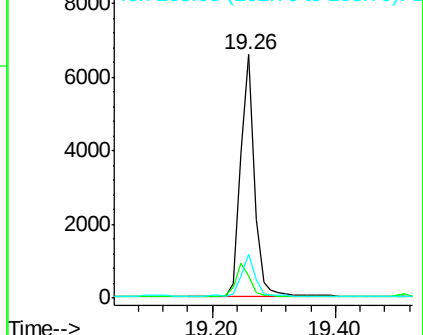
203 18.2 0.0 36.3

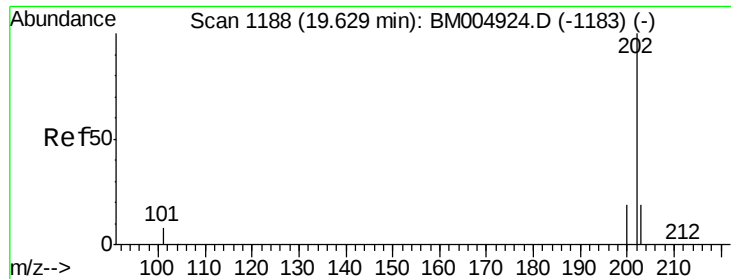


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.40 ng/ul

RT: 19.62 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

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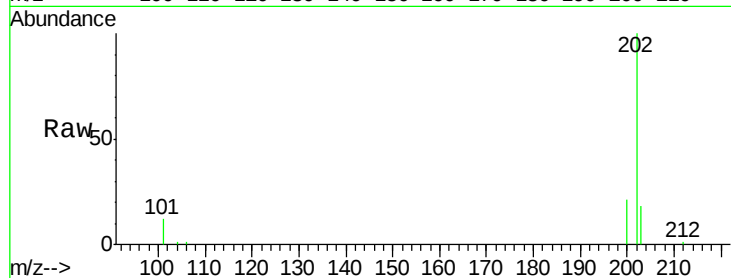
Tgt Ion:202 Resp: 10354

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.8

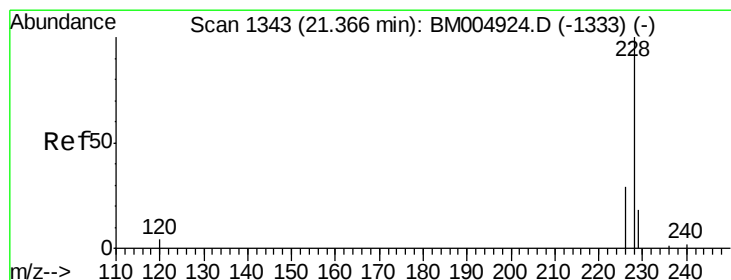
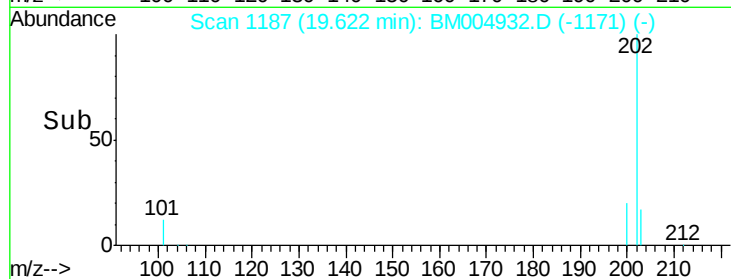
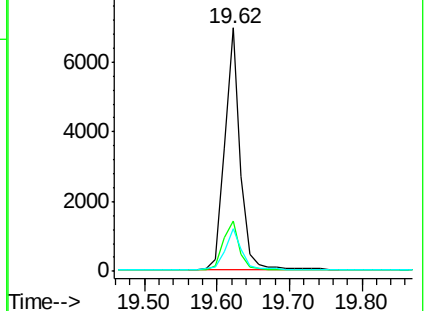
203 17.7 12.8 19.2



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: 0.36 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

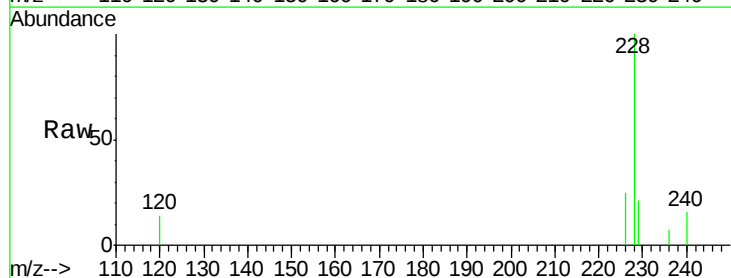
Tgt Ion:228 Resp: 8440

Ion Ratio Lower Upper

228 100

226 25.4 18.8 28.2

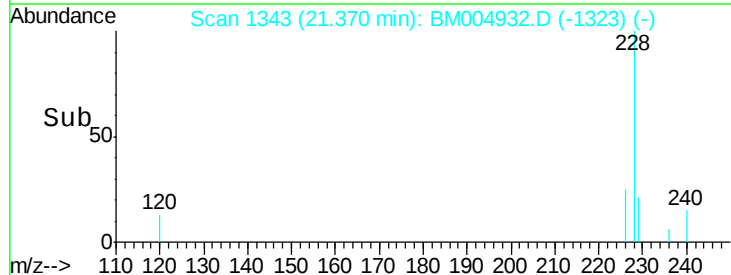
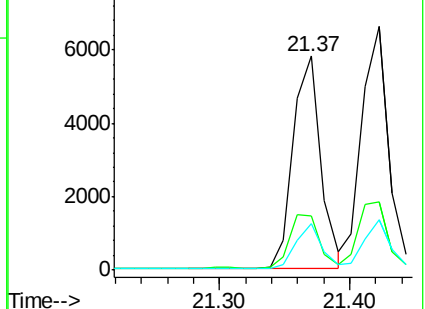
229 21.4 17.1 25.7

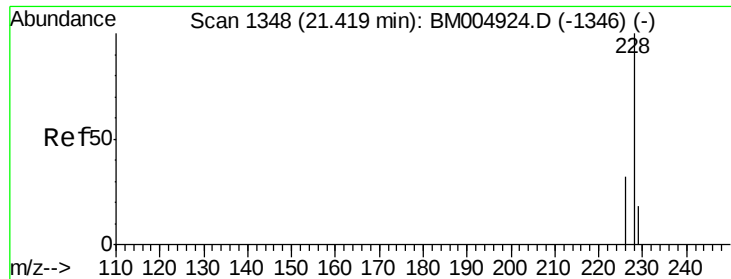


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.43 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004932.D

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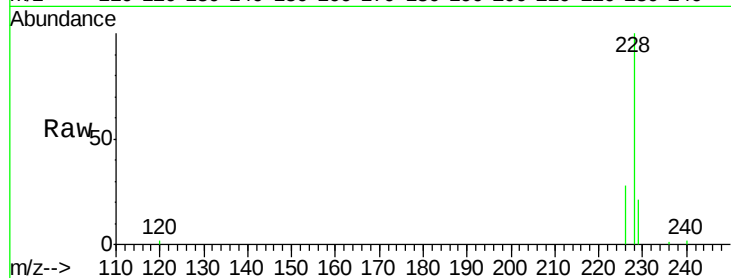
Tgt Ion:228 Resp: 9604

Ion Ratio Lower Upper

228 100

226 28.1 21.2 31.8

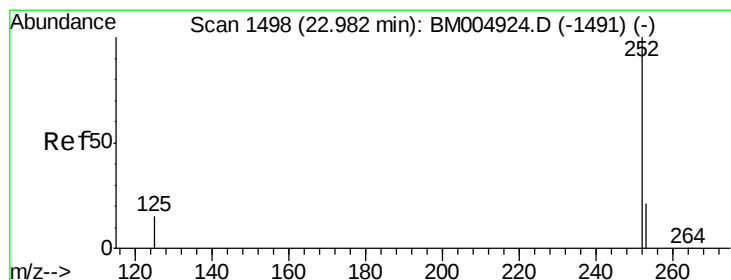
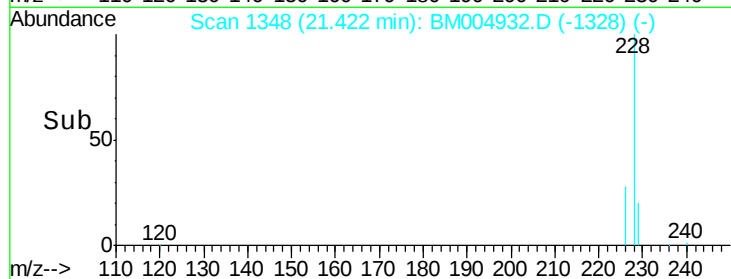
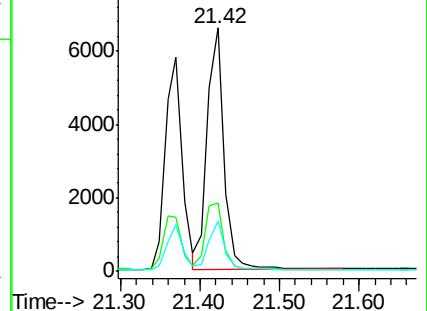
229 20.6 17.0 25.6



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



#23

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 22.98 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

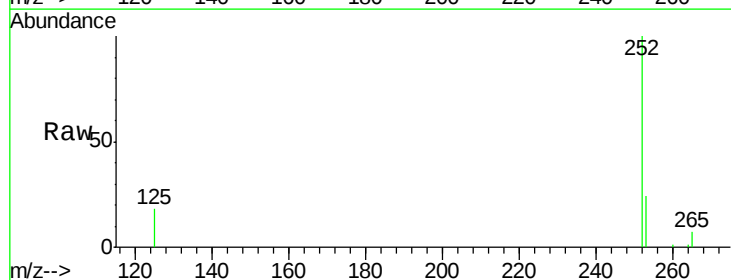
Tgt Ion:252 Resp: 9502

Ion Ratio Lower Upper

252 100

253 24.0 0.0 45.4

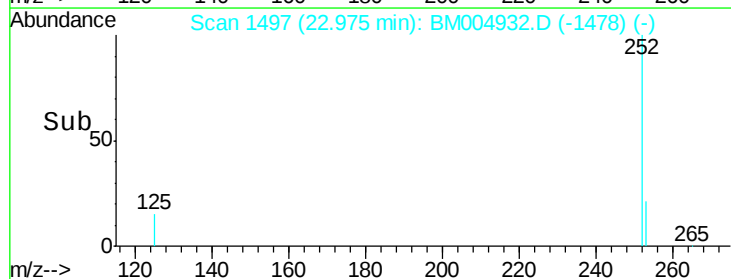
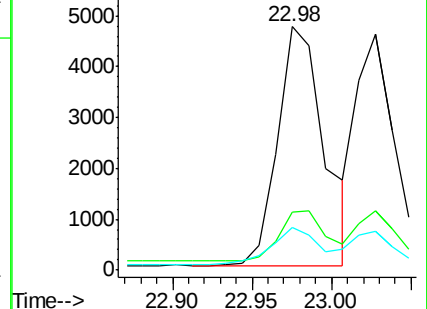
125 17.6 0.0 28.8

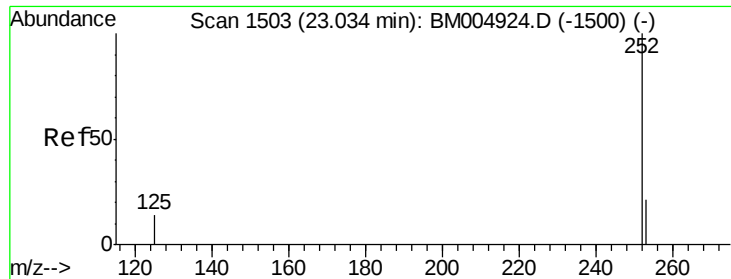


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.03 min Scan# 1502

Delta R.T. -0.01 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

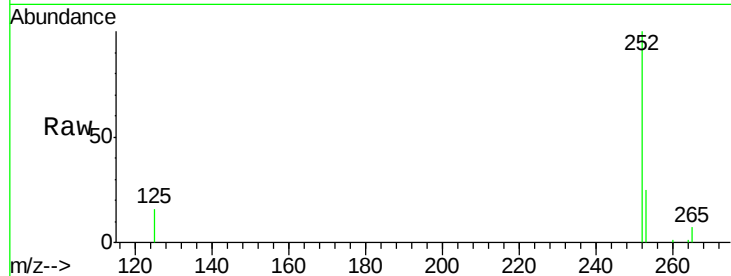
Tgt Ion:252 Resp: 7825

Ion Ratio Lower Upper

252 100

253 25.2 19.8 29.8

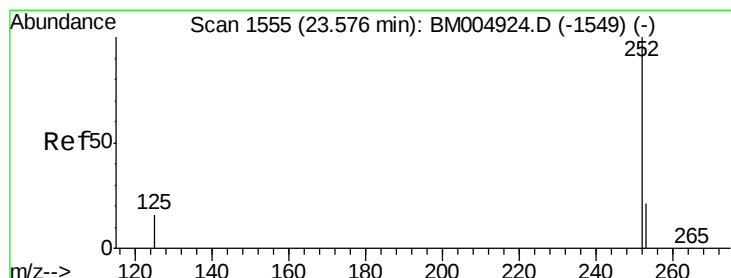
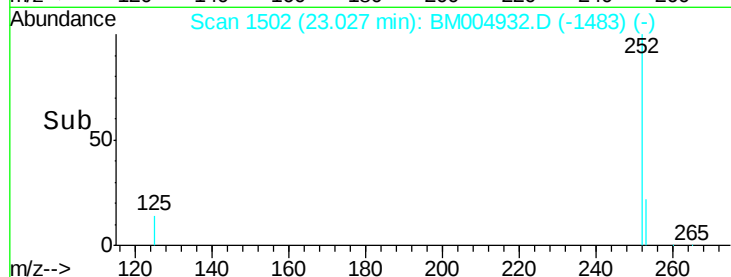
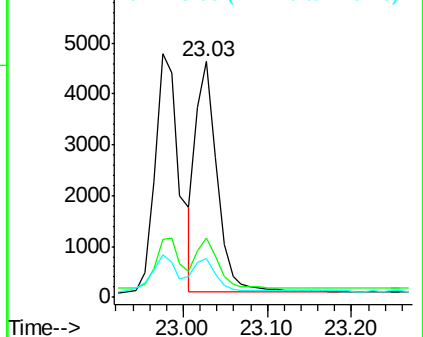
125 16.3 10.4 15.6#



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: 23.57 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

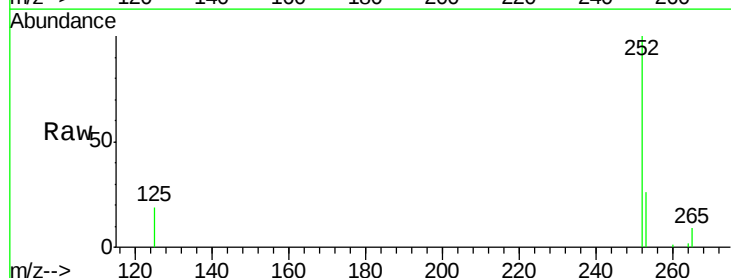
Tgt Ion:252 Resp: 7923

Ion Ratio Lower Upper

252 100

253 25.7 19.4 29.2

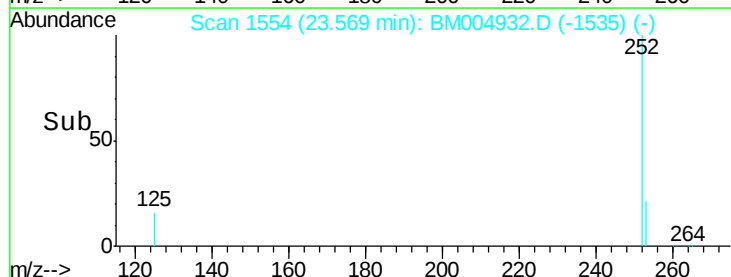
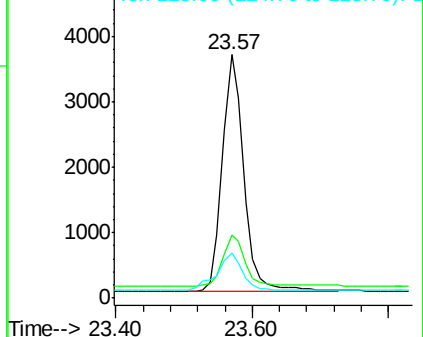
125 18.8 12.7 19.1

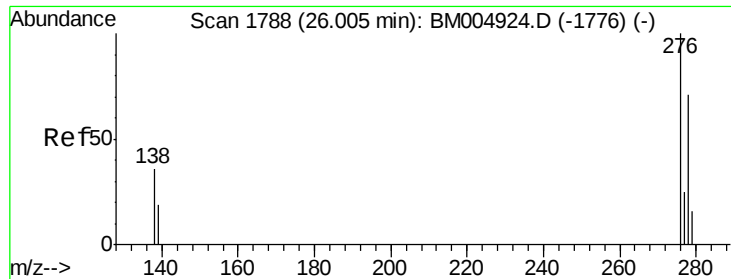


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.43 ng/ul

RT: 25.99 min Scan# 1786

Delta R.T. -0.02 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

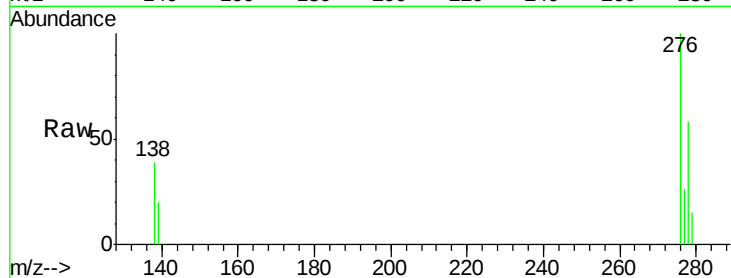
Tgt Ion:276 Resp: 7706

Ion Ratio Lower Upper

276 100

138 38.2 16.3 24.5#

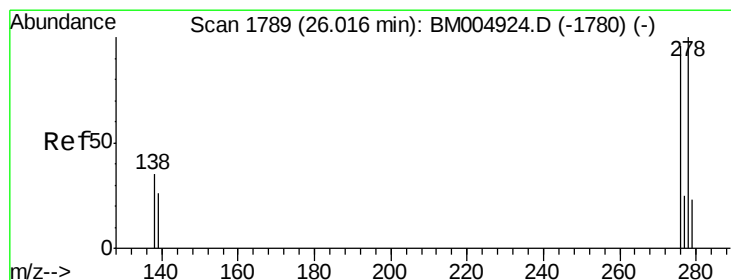
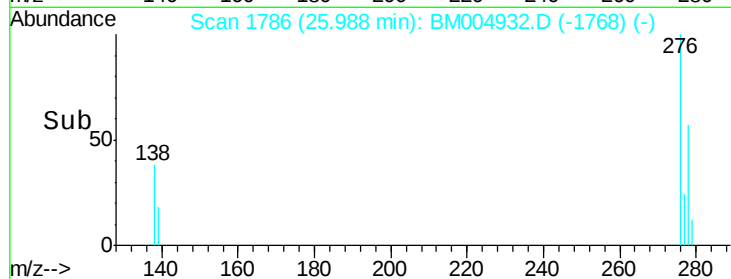
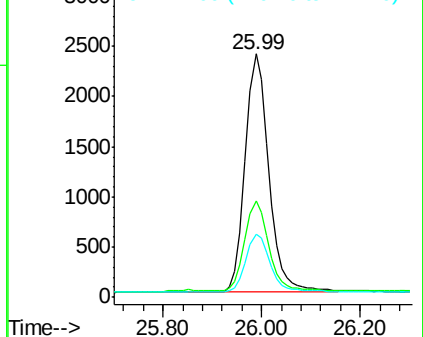
277 24.8 19.8 29.8



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: 0.44 ng/ul

RT: 26.00 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BM004932.D

Acq: 11 Apr 2016 11:19

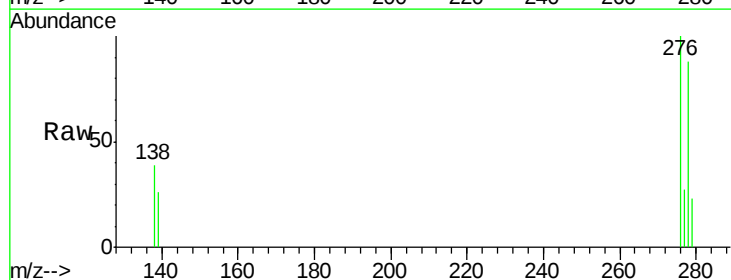
Tgt Ion:278 Resp: 6143

Ion Ratio Lower Upper

278 100

139 29.2 16.4 24.6#

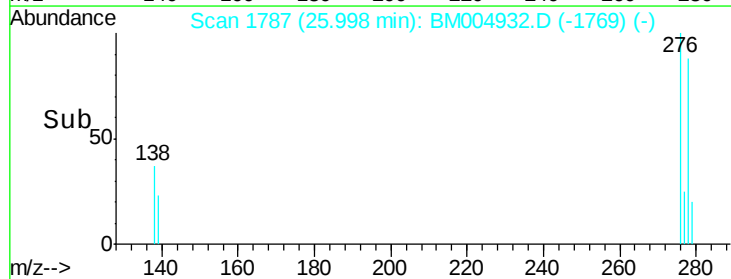
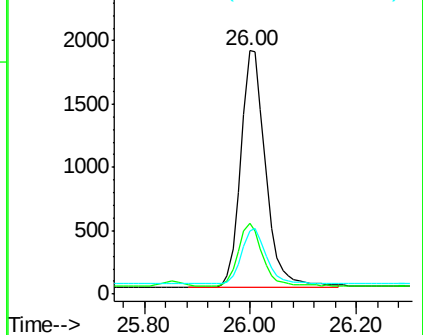
279 26.1 20.2 30.2

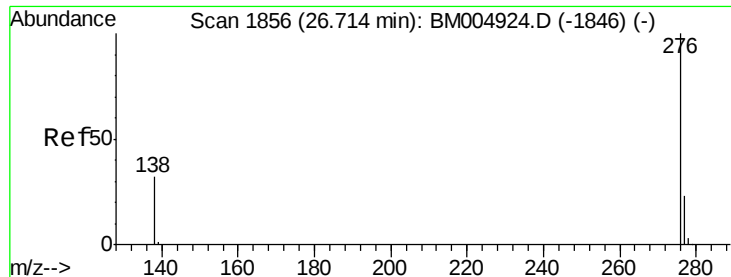


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.45 ng/ul

RT: 26.70 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM004932.D

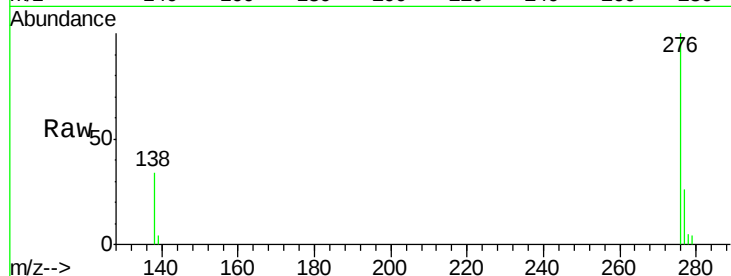
Acq: 11 Apr 2016 11:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.439



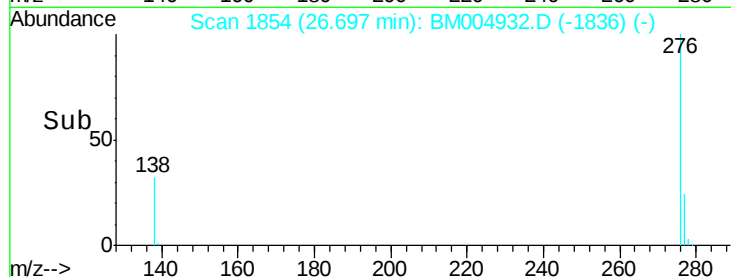
Tgt Ion: 276 Resp: 6638

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 34.5 22.5 33.7#



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

