

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002431.D
 Acq On : 15 Aug 2015 19:01
 Operator : UM/IZ
 Sample : G3194-05
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:17:48 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	152336	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	739520	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	391057	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	722717	20.00	ng/ul	0.01
17) Chrysene-d12	22.26	240	433615	20.00	ng/ul	0.02
22) Perylene-d12	24.76	264	481704	20.00	ng/ul	-0.14

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	1194398	29.87	ng/ul	0.00
10) Fluorene-d10	16.43	176	769205	27.39	ng/ul	0.00
14) Anthracene-d10	18.27	188	998055	28.63	ng/ul	0.02
18) Pyrene-d10	20.49	212	667369	34.72	ng/ul	0.02
25) Benzo(a)pyrene-d12	24.59	264	179	0.01	ng/ul	-0.14

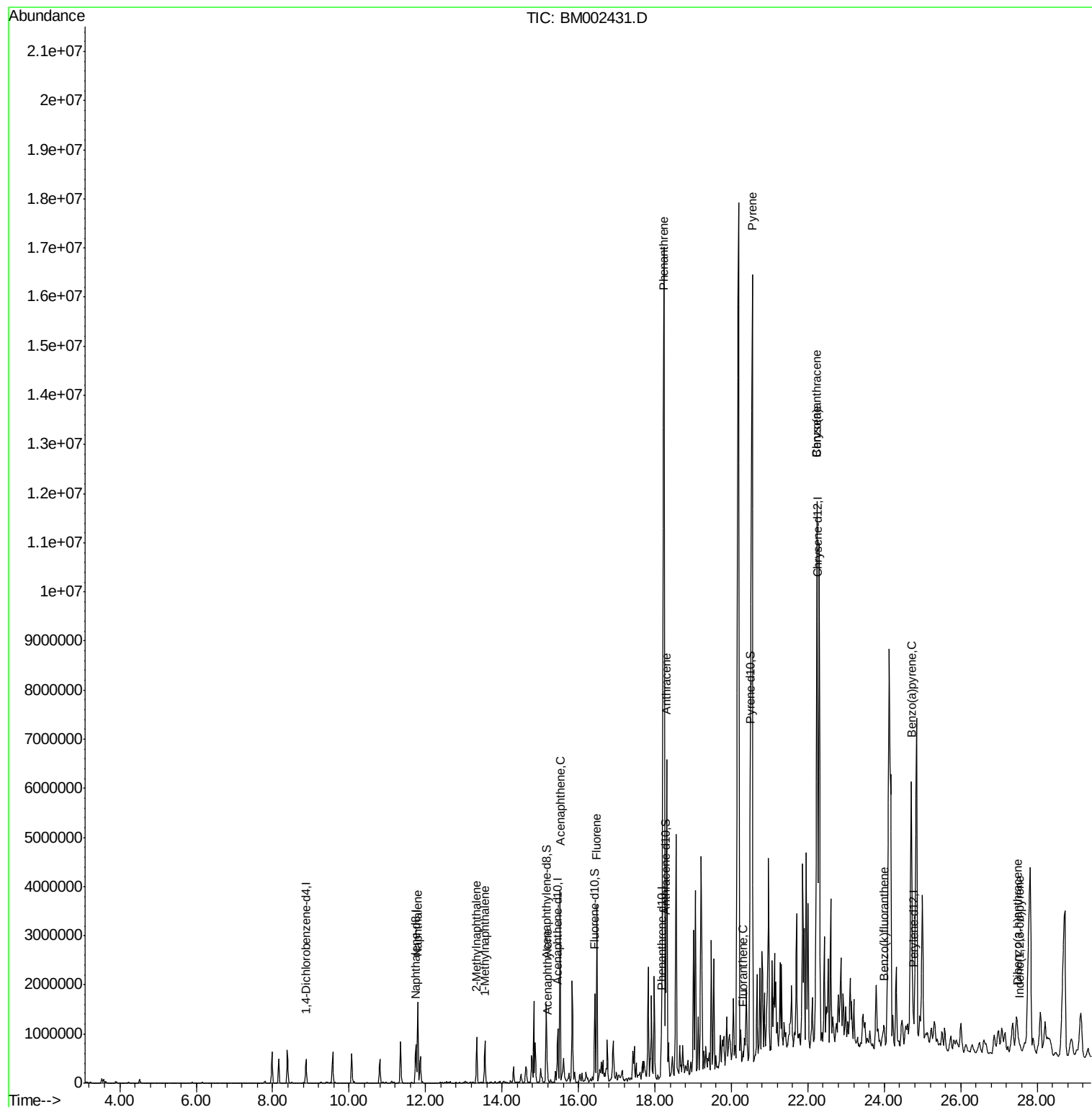
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	1505256	39.88	ng/ul	100
4) 2-Methylnaphthalene	13.34	142	482253	17.05	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	411921	14.73	ng/ul	100
8) Acenaphthylene	15.19	152	208173	4.97	ng/ul	98
9) Acenaphthene	15.52	153	1708229	61.97	ng/ul	99
11) Fluorene	16.48	166	1727998	54.71	ng/ul	99
13) Phenanthrene	18.24	178	17036676	408.23	ng/ul#	90
15) Anthracene	18.31	178	4027566	95.23	ng/ul	98
16) Fluoranthene	20.30	202	97334	2.06	ng/ul	97
19) Pyrene	20.54	202	15713959	618.60	ng/ul#	94
20) Benzo(a)anthracene	22.24	228	7287141	281.03	ng/ul	95
21) Chrysene	22.24	228	7289951	300.58	ng/ul	98
24) Benzo(k)fluoranthene	23.99	252	84217	3.05	ng/ul#	1
26) Benzo(a)pyrene	24.71	252	5324705	191.43	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	27.54	276	94957	2.97	ng/ul#	70
28) Dibenzo(a,h)anthracene	27.50	278	198032	7.41	ng/ul#	83

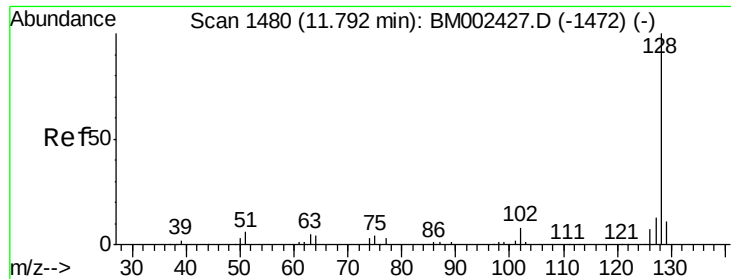
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 39.88 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

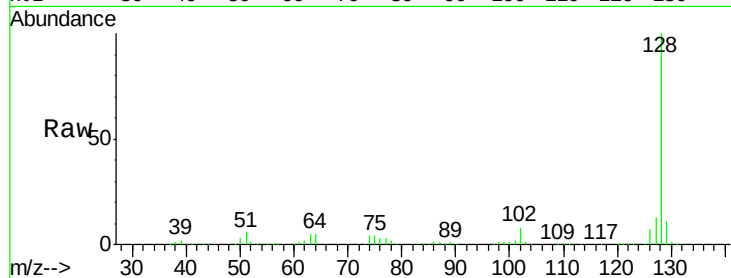
Tot Ion:128 Resp: 1505256

Ion Ratio Lower Upper

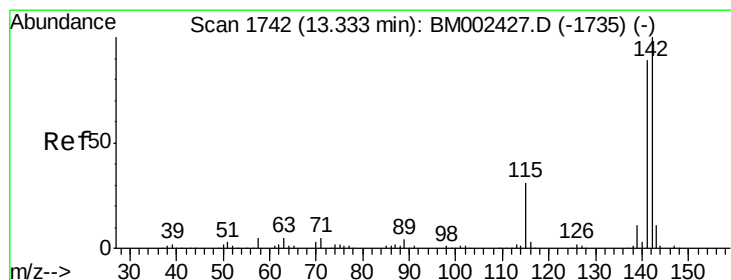
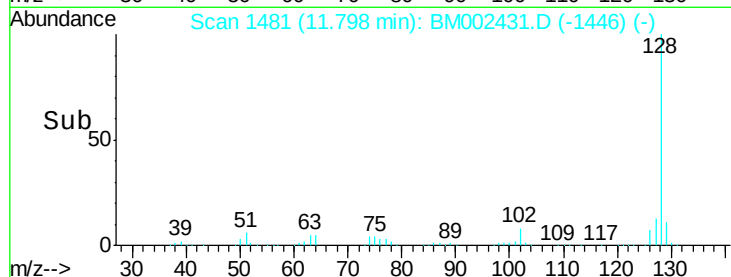
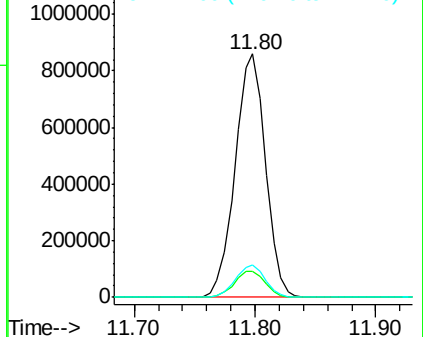
128 100

129 10.9 8.6 12.8

127 13.2 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 17.05 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BM002431.D

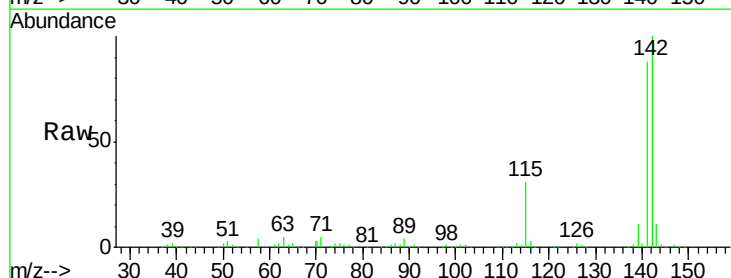
Acq: 15 Aug 2015 19:01

Tgt Ion:142 Resp: 482253

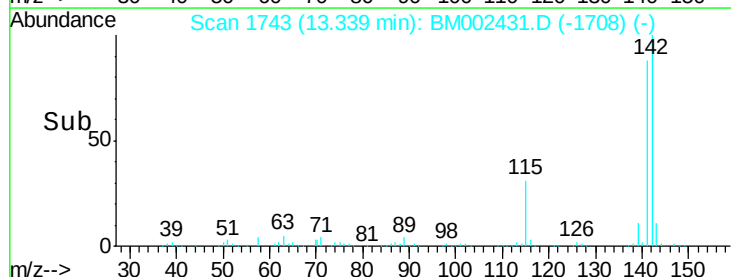
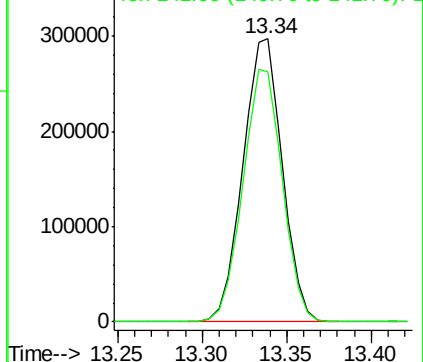
Ion Ratio Lower Upper

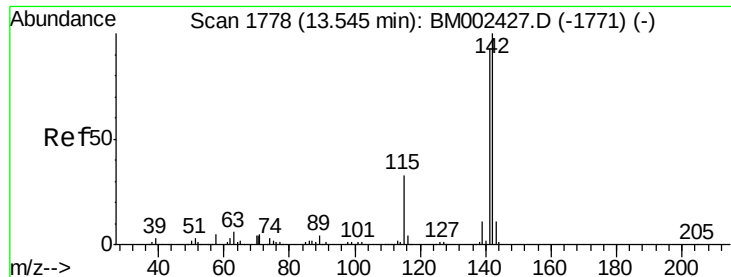
142 100

141 88.3 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 14.73 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

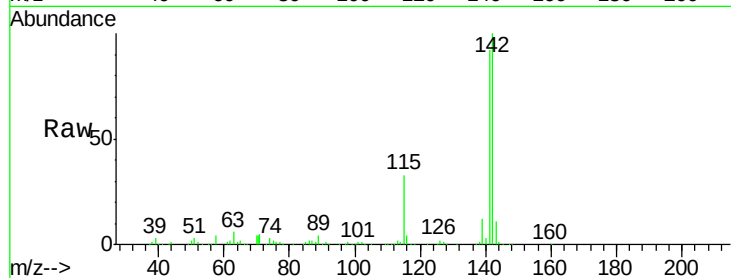
Tot Ion:142 Resp: 411921

Ion Ratio Lower Upper

142 100

141 92.3 73.9 110.9

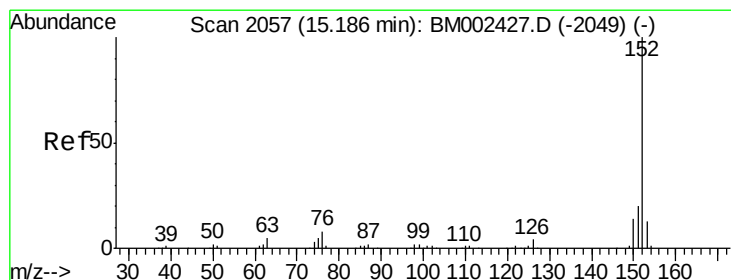
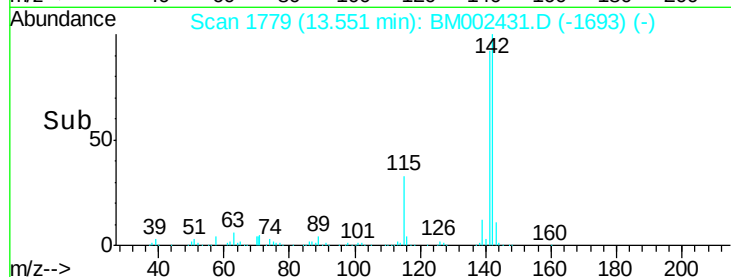
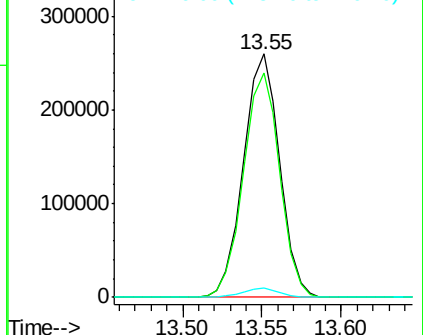
116 3.7 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 4.97 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

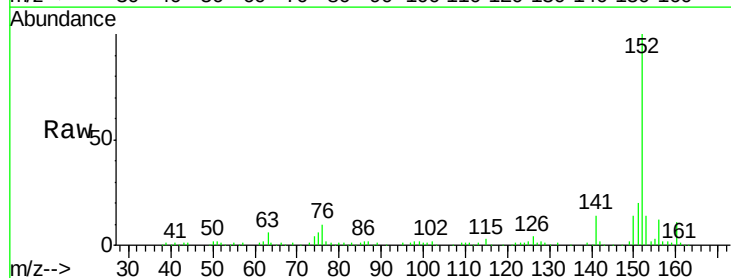
Tgt Ion:152 Resp: 208173

Ion Ratio Lower Upper

152 100

151 20.1 15.7 23.5

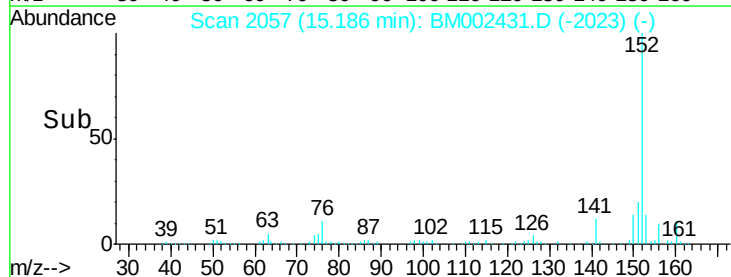
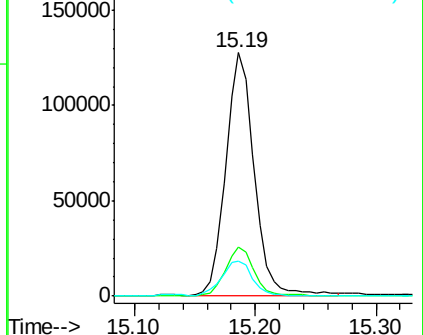
153 14.4 10.2 15.4

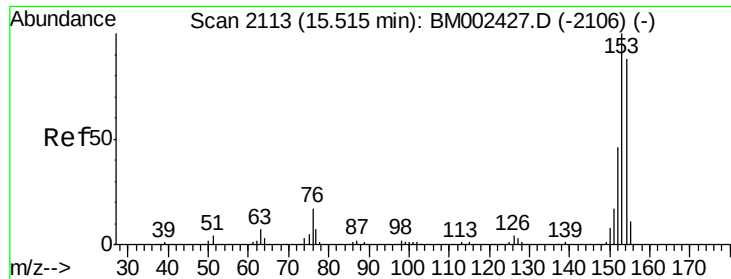


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 61.97 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

Instrument :

BNA_M

ClientSampled :

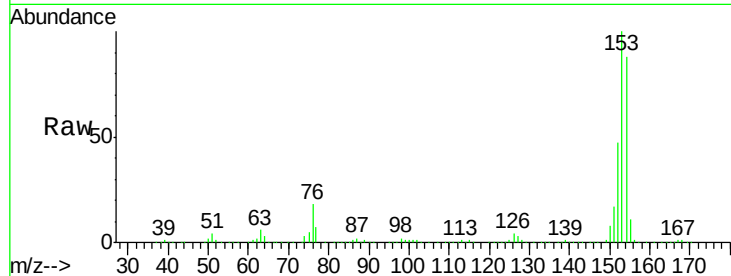
Tot Ion:153 Resp: 1708229

Ion Ratio Lower Upper

153 100

152 47.0 36.9 55.3

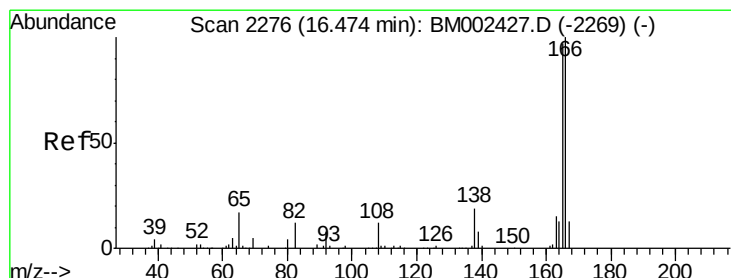
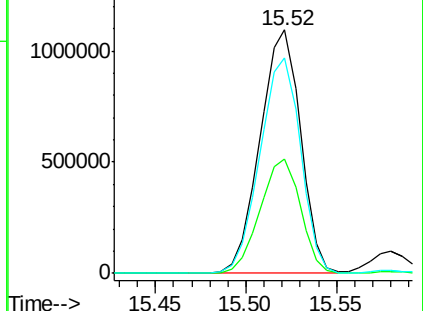
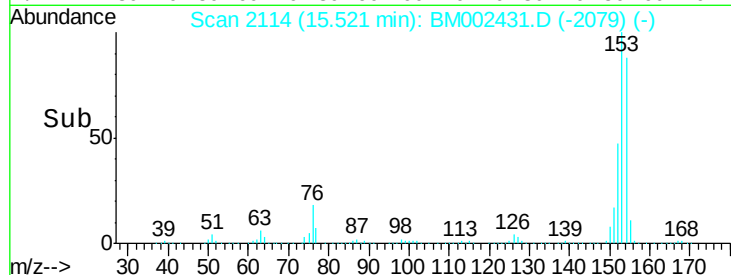
154 88.3 71.3 106.9



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: 54.71 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

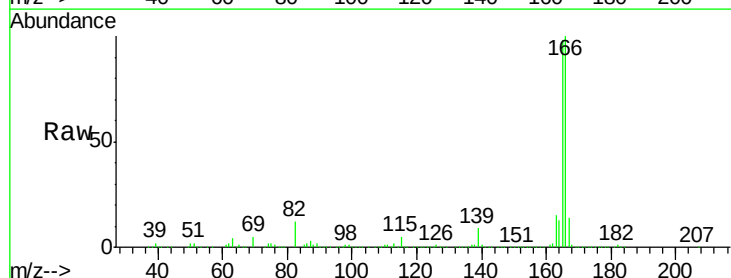
Tgt Ion:166 Resp: 1727998

Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

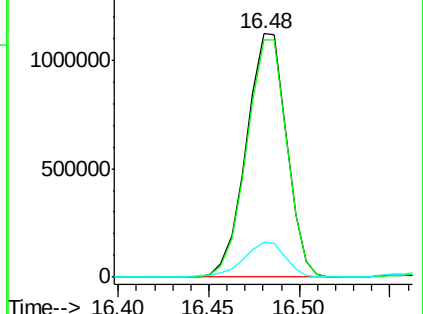
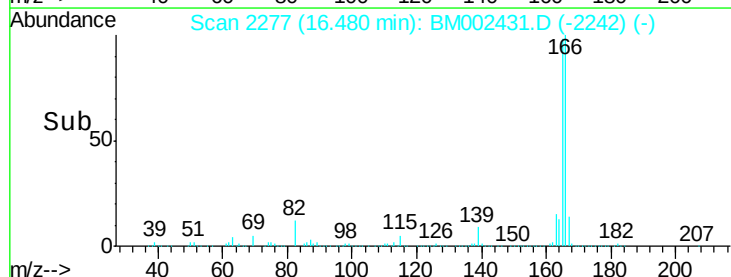
167 14.2 10.7 16.1

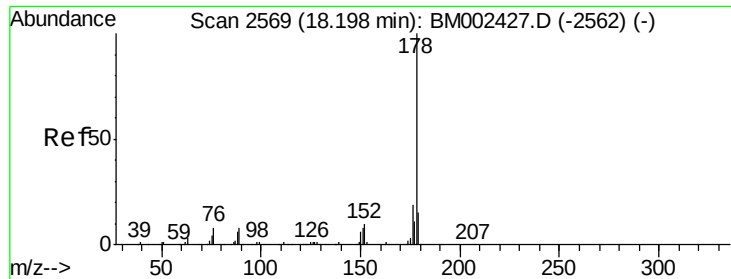


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

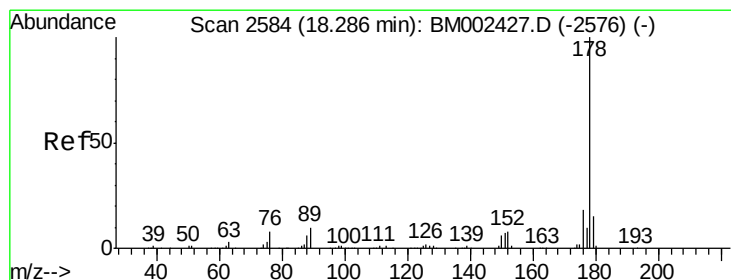
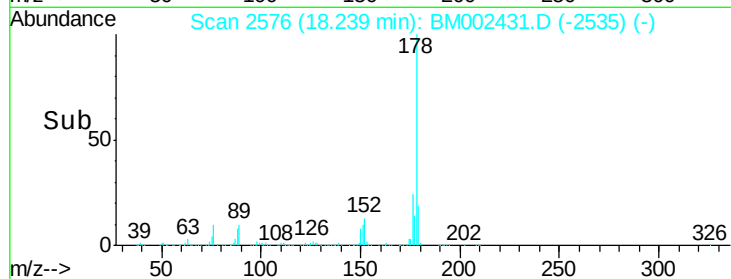
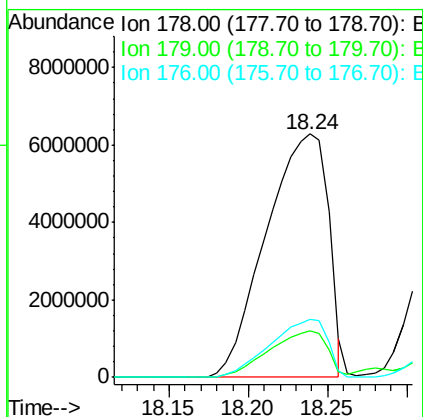
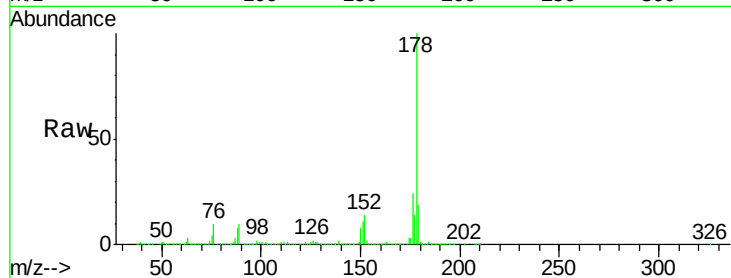




#13
Phenanthrene
Concen: 408.23 ng/ul
RT: 18.24 min Scan# 2576
Delta R.T. 0.04 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

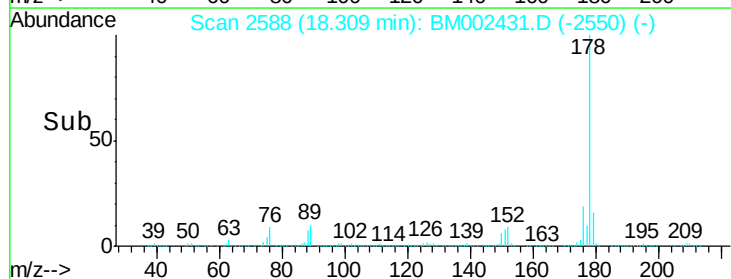
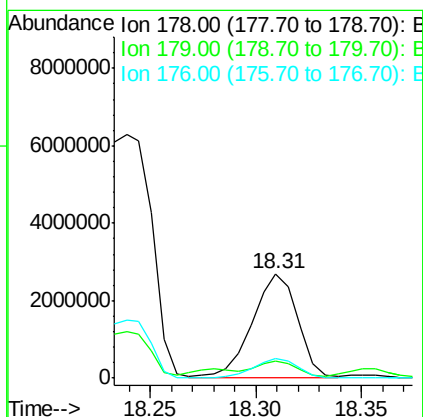
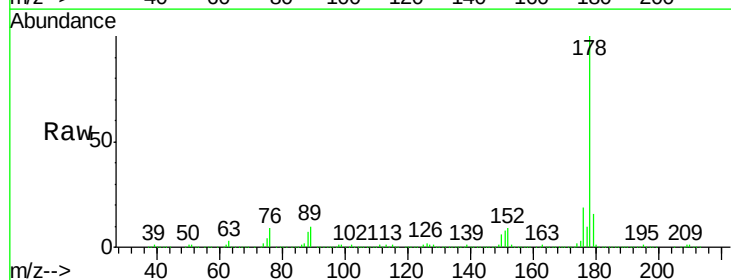
Instrument :
BNA_M
ClientSampleId :

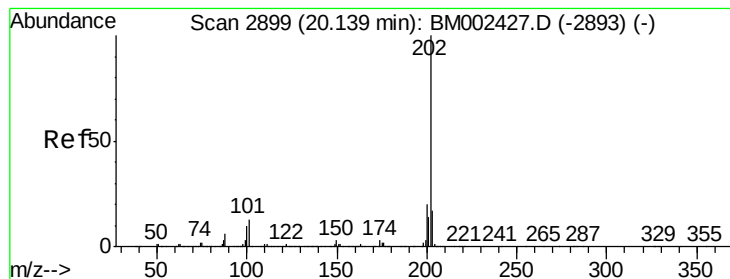
Tot Ion:178 Resp:17036676
Ion Ratio Lower Upper
178 100
179 18.9 12.4 18.6#
176 23.9 15.1 22.7#



#15
Anthracene
Concen: 95.23 ng/ul
RT: 18.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:178 Resp: 4027566
Ion Ratio Lower Upper
178 100
179 16.4 12.6 18.8
176 18.9 14.5 21.7





#16

Fluoranthene

Concen: 2.06 ng/ul

RT: 20.30 min Scan# 2926

Delta R.T. 0.16 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

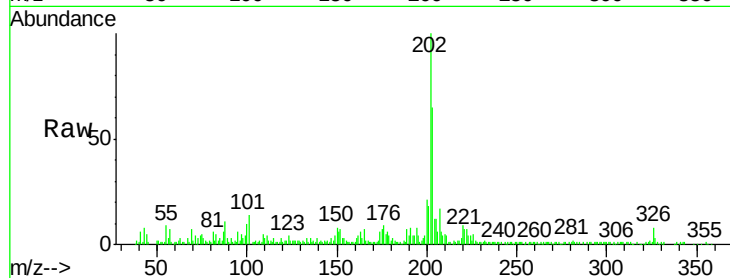
Tot Ion:202 Resp: 97334

Ion Ratio Lower Upper

202 100

101 13.8 9.7 14.5

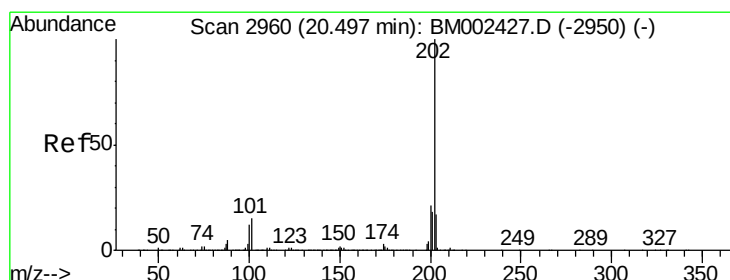
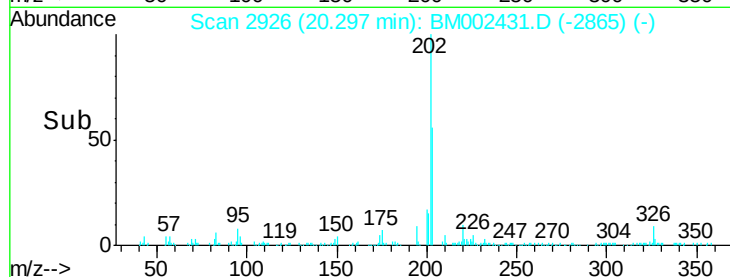
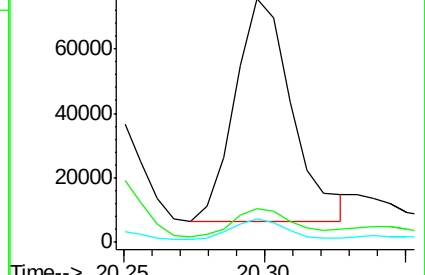
100 9.7 7.4 11.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#19

Pyrene

Concen: 618.60 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.05 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

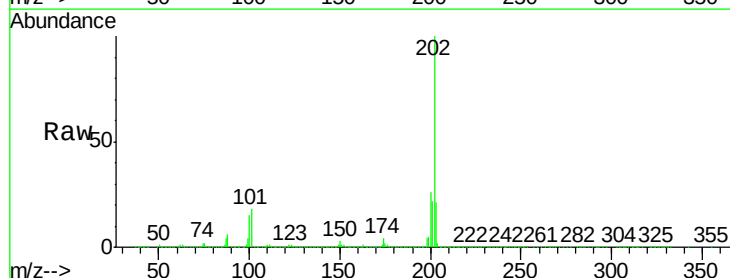
Tgt Ion:202 Resp:15713959

Ion Ratio Lower Upper

202 100

101 17.5 12.0 18.0

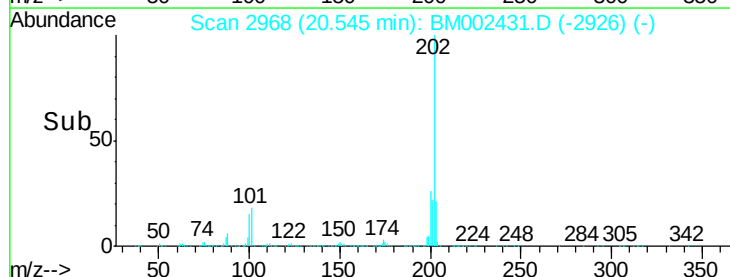
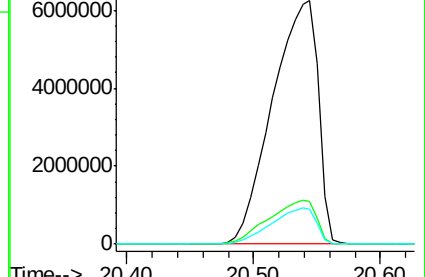
100 14.6 9.7 14.5#

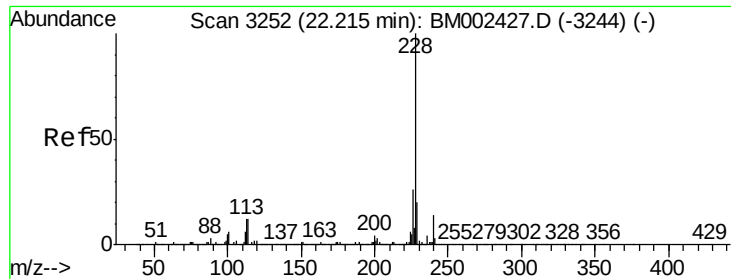


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 281.03 ng/ul

RT: 22.24 min Scan# 3256

Delta R.T. 0.02 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

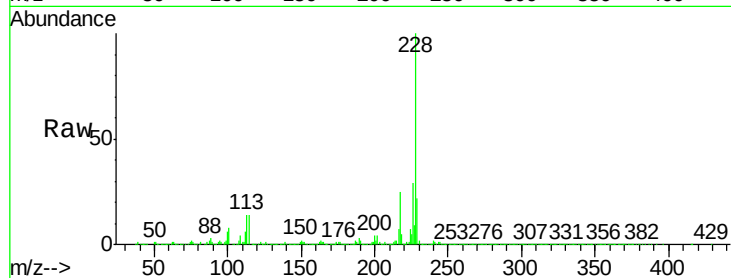
Tot Ion:228 Resp: 7287141

Ion Ratio Lower Upper

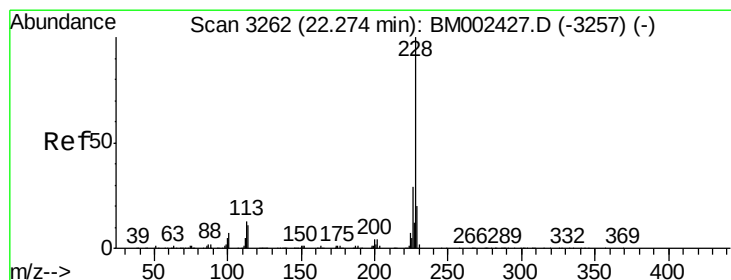
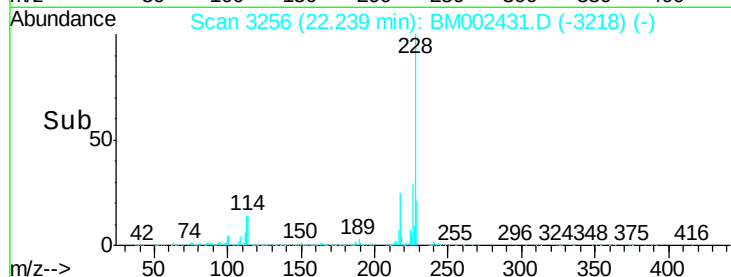
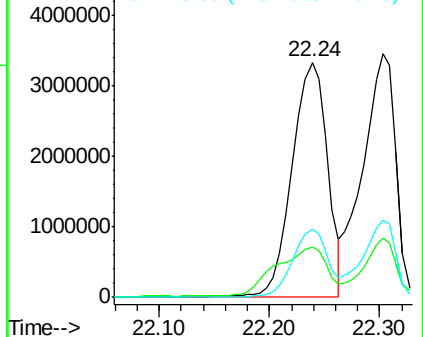
228 100

229 21.6 15.8 23.6

226 29.2 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 300.58 ng/ul

RT: 22.24 min Scan# 3256

Delta R.T. -0.04 min

Lab File: BM002431.D

Acq: 15 Aug 2015 19:01

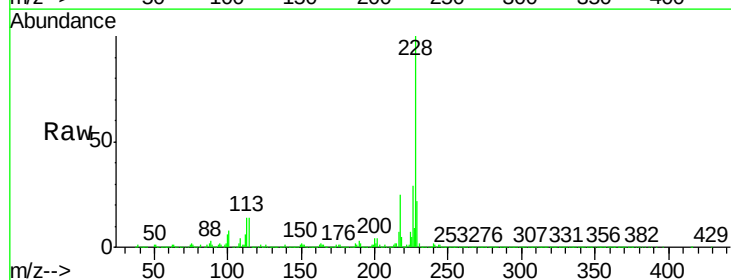
Tgt Ion:228 Resp: 7289951

Ion Ratio Lower Upper

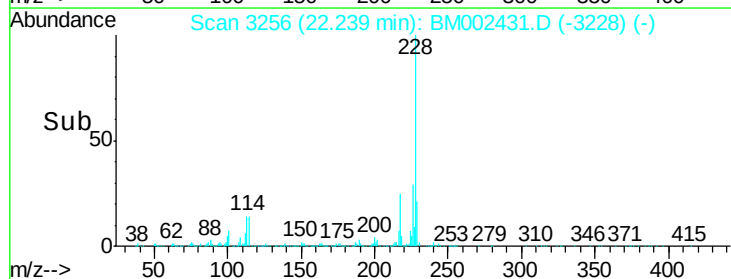
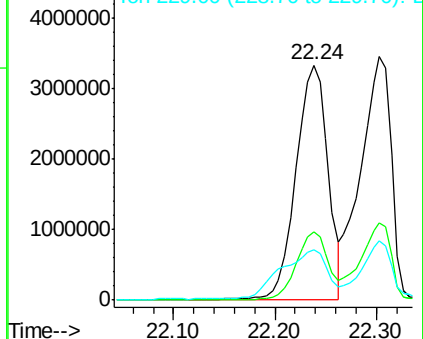
228 100

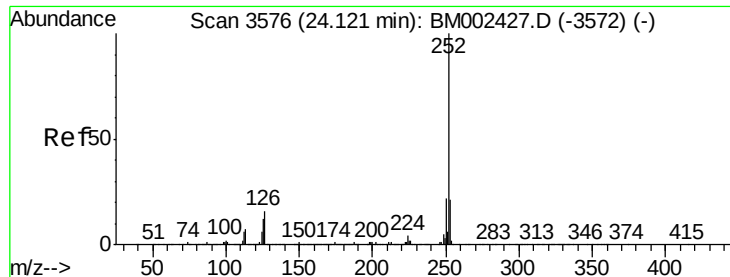
226 29.2 23.4 35.2

229 21.6 15.7 23.5



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





#24

Benzo(k)fluoranthene

Concen: 3.05 ng/ul

RT: 23.99 min Scan# 3554

Delta R.T. -0.13 min

Lab File: BM002431.D

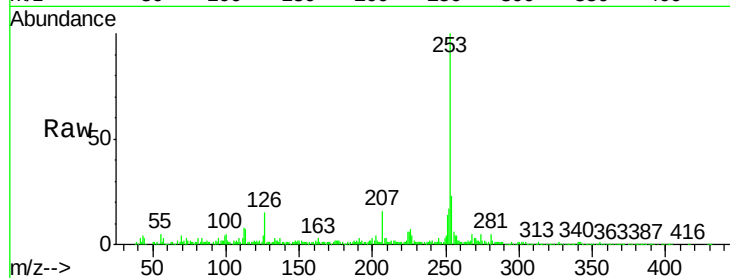
Acq: 15 Aug 2015 19:01

Instrument :

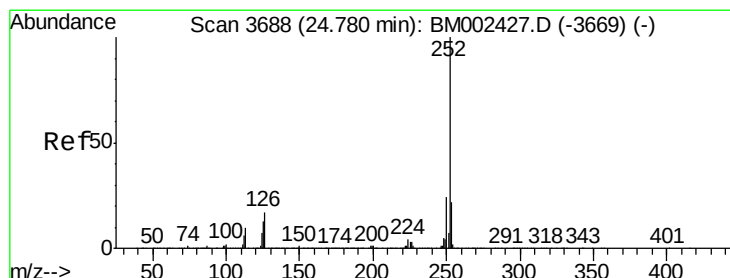
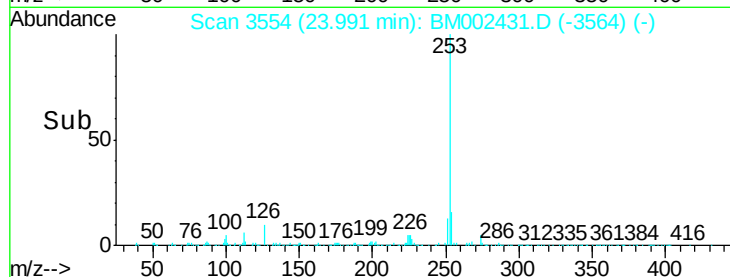
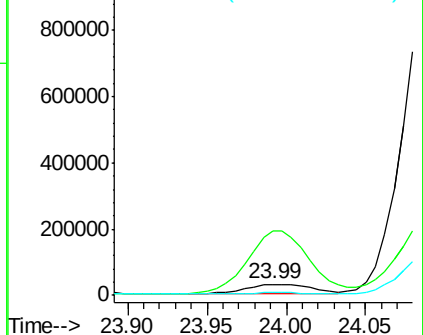
BNA_M

ClientSampled :

Tot Ion:252	Resp:	84217
Ion Ratio	Lower	Upper
252	100	
253	575.7	17.8 26.6#
125	23.5	9.8 14.8#



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



#26

Benzo(a)pyrene

Concen: 191.43 ng/ul

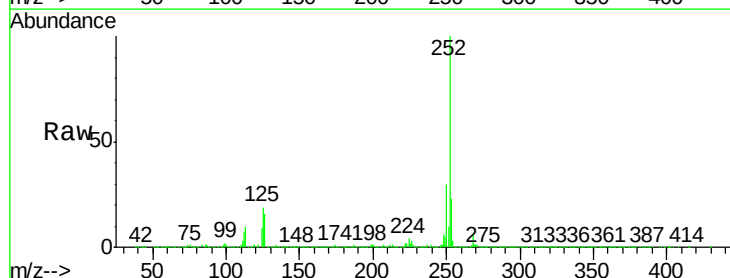
RT: 24.71 min Scan# 3676

Delta R.T. -0.07 min

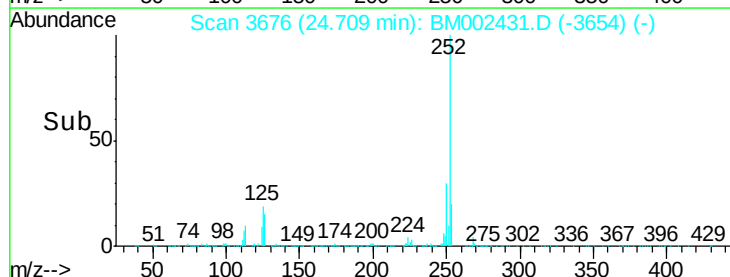
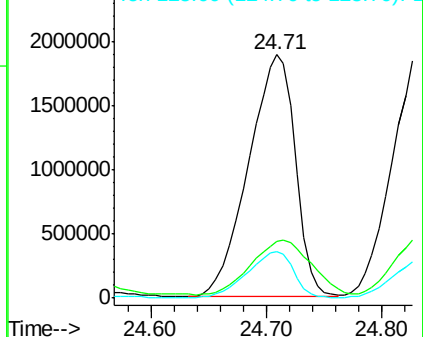
Lab File: BM002431.D

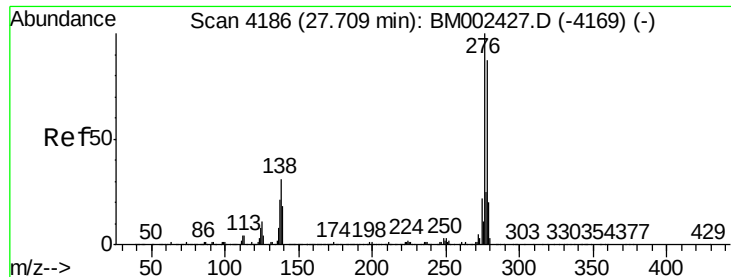
Acq: 15 Aug 2015 19:01

Tgt Ion:252	Resp:	5324705
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.6 26.4
125	19.1	10.7 16.1#



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

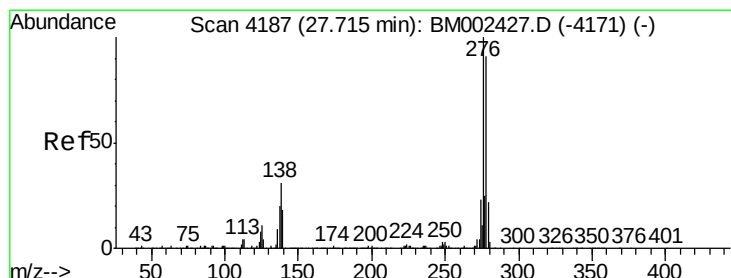
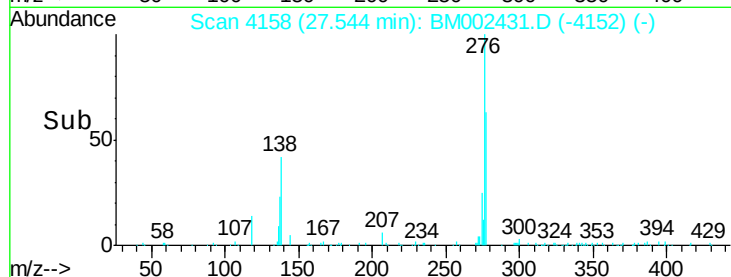
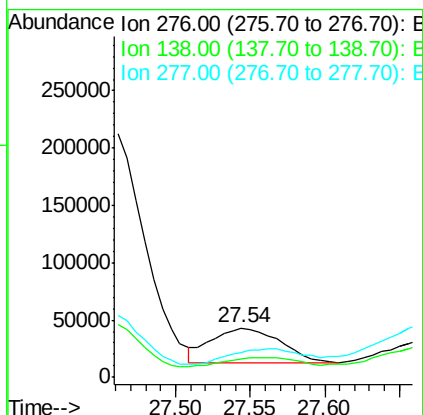
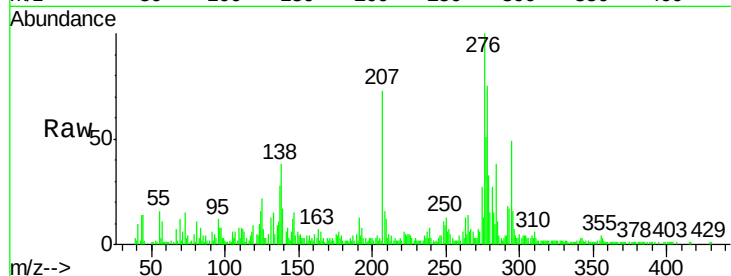




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.97 ng/ul
 RT: 27.54 min Scan# 4158
 Delta R.T. -0.16 min
 Lab File: BM002431.D
 Acq: 15 Aug 2015 19:01

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 94957
 Ion Ratio Lower Upper
 276 100
 138 38.0 25.3 37.9#
 277 51.5 20.2 30.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 7.41 ng/ul
 RT: 27.50 min Scan# 4150
 Delta R.T. -0.22 min
 Lab File: BM002431.D
 Acq: 15 Aug 2015 19:01

Tgt Ion:278 Resp: 198032
 Ion Ratio Lower Upper
 278 100
 139 10.9 16.5 24.7#
 279 30.5 18.8 28.2#

