

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002297.D
 Acq On : 09 Aug 2015 03:58
 Operator : TP/UM
 Sample : G3161-12RE
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C57RE

Quant Time: Aug 09 06:19:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 06:16:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	281824	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1360334	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	719418	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.22	188	1420831	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1104759	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	978501	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.21	160	2176434	29.20	ng/ul	0.00
10) Fluorene-d10	16.47	176	1422205	27.44	ng/ul	0.00
14) Anthracene-d10	18.31	188	2020922	29.31	ng/ul	0.00
18) Pyrene-d10	20.53	212	1855246	34.63	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.83	264	1517901	29.22	ng/ul	0.00

Target Compounds

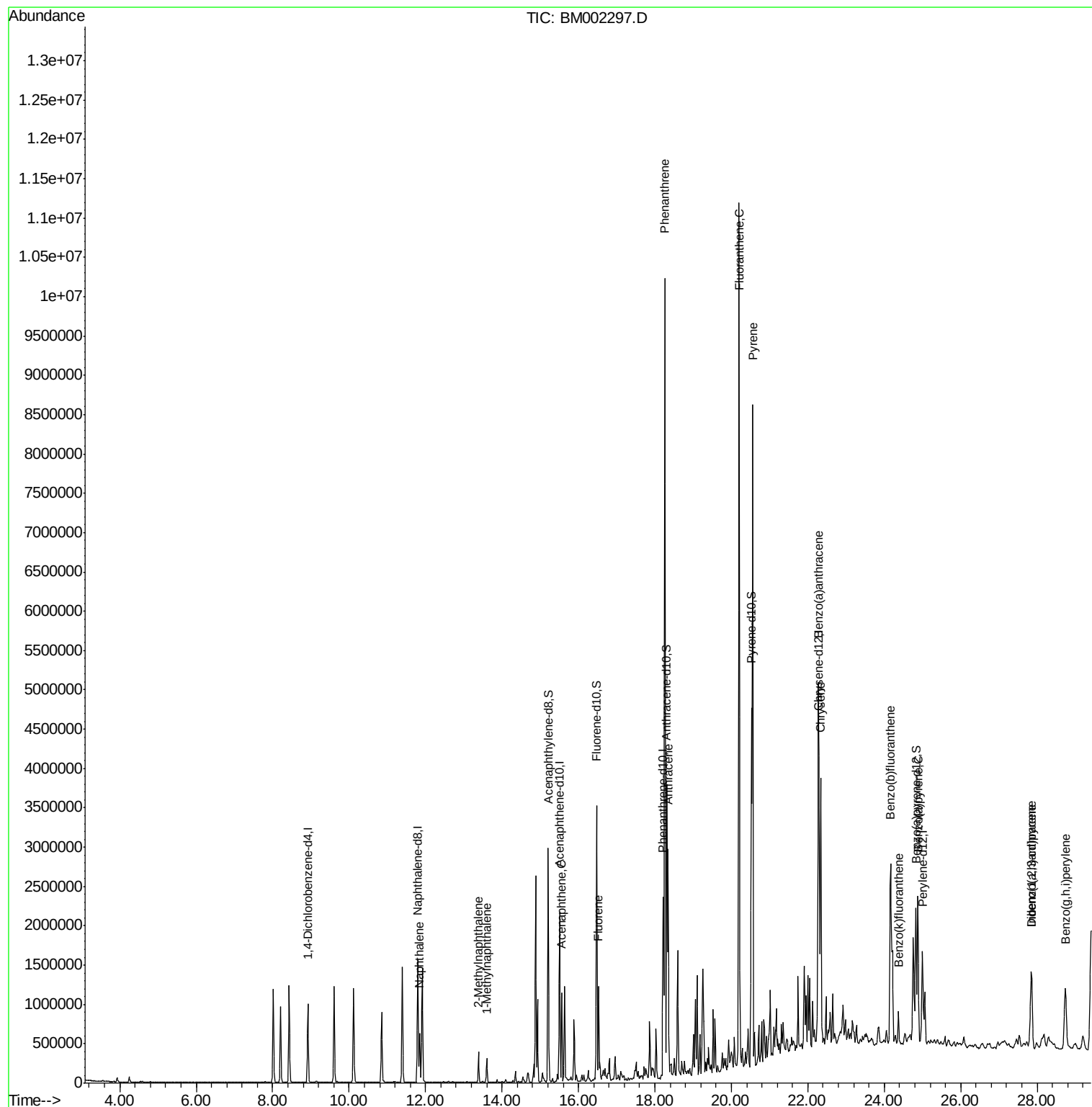
						Qvalue
3) Naphthalene	11.85	128	539064	7.53	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	183660	3.59	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	141541	2.81	ng/ul	98
9) Acenaphthene	15.56	153	443329	8.52	ng/ul	98
11) Fluorene	16.53	166	514498	8.78	ng/ul	99
13) Phenanthrene	18.26	178	6561241	80.23	ng/ul	97
15) Anthracene	18.34	178	1735109	20.54	ng/ul	99
16) Fluoranthene	20.20	202	6520110	72.01	ng/ul#	92
19) Pyrene	20.56	202	5305715	74.29	ng/ul	97
20) Benzo(a)anthracene	22.28	228	2202081	32.65	ng/ul	99
21) Chrysene	22.34	228	1964947	30.75	ng/ul	96
23) Benzo(b)fluoranthene	24.17	252	2221714	36.53	ng/ul	98
24) Benzo(k)fluoranthene	24.37	252	289246	4.95	ng/ul#	90
26) Benzo(a)pyrene	24.88	252	1585274	27.24	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.85	276	1077795	16.16	ng/ul	93
28) Dibenzo(a,h)anthracene	27.86	278	261281	4.62	ng/ul#	78
29) Benzo(g,h,i)perylene	28.74	276	1071754	19.04	ng/ul	97

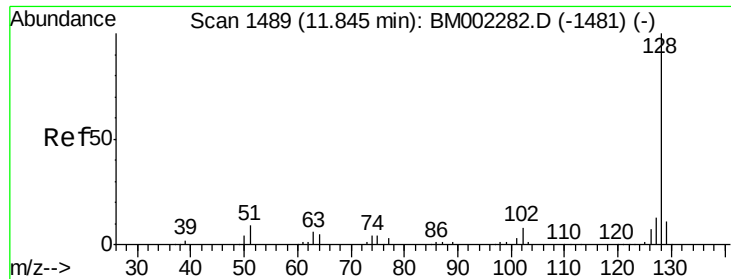
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.53 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

Instrument :

BNA_M

ClientSampleId :

D9C57RE

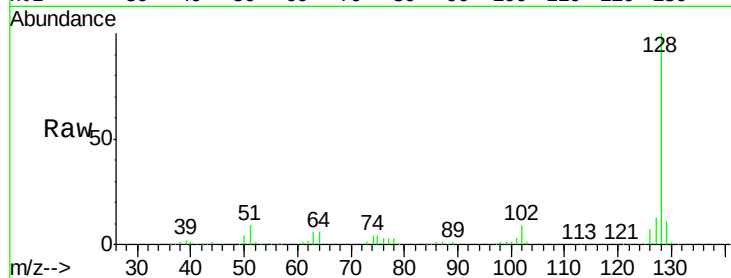
Tgt Ion:128 Resp: 539064

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

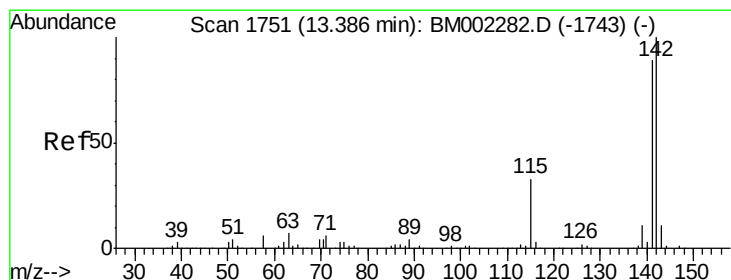
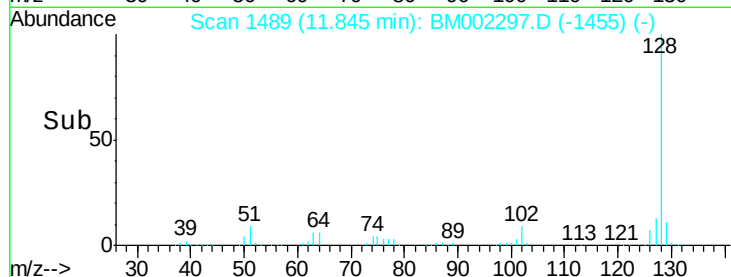
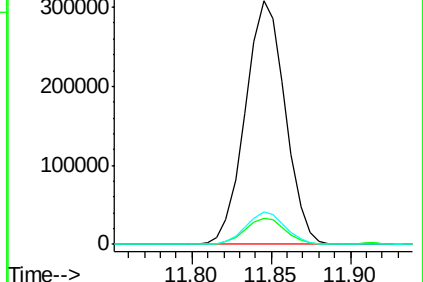
127 13.2 10.4 15.6



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: 3.59 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002297.D

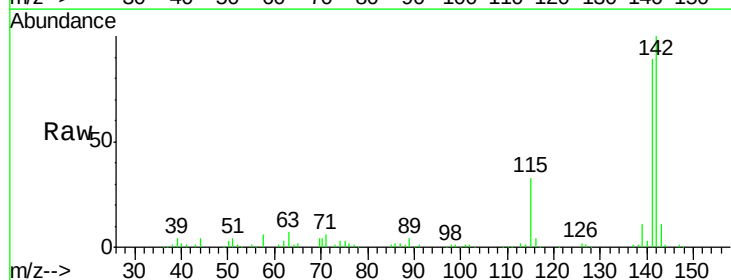
Acq: 09 Aug 2015 03:58

Tgt Ion:142 Resp: 183660

Ion Ratio Lower Upper

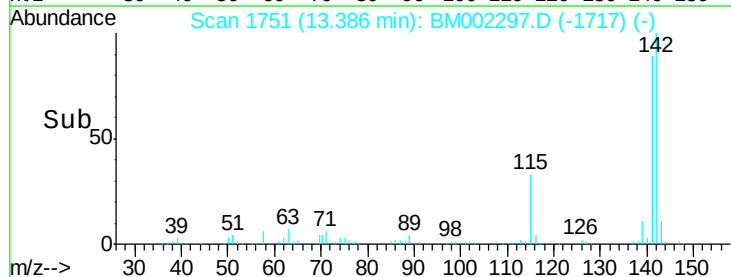
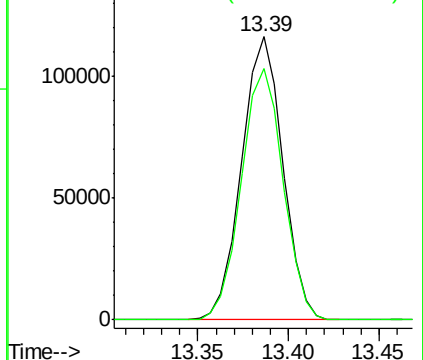
142 100

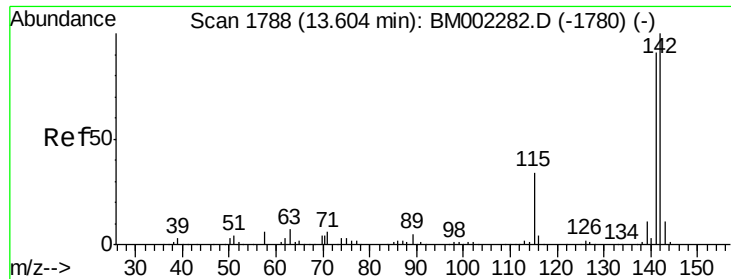
141 89.0 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

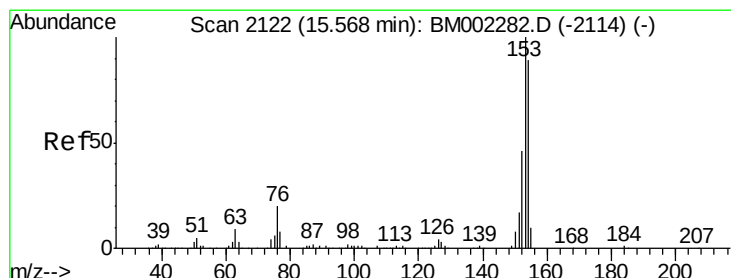
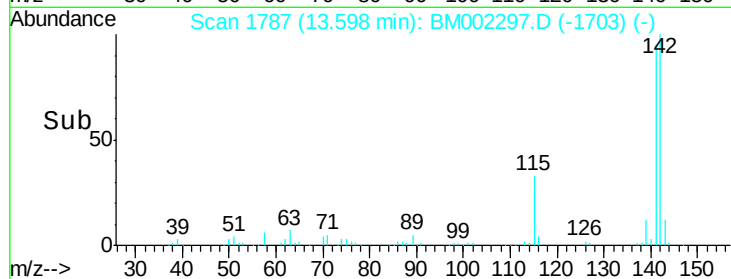
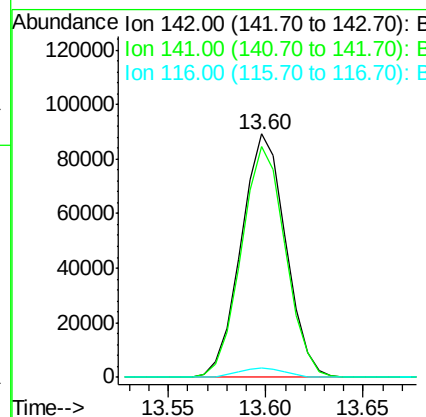
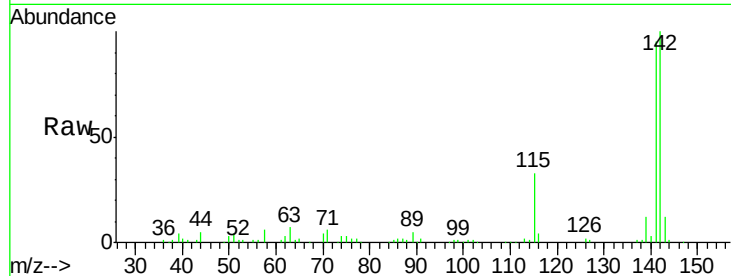




#5
1-Methylnaphthalene
Concen: 2.81 ng/ul
RT: 13.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BM002297.D
Acq: 09 Aug 2015 03:58

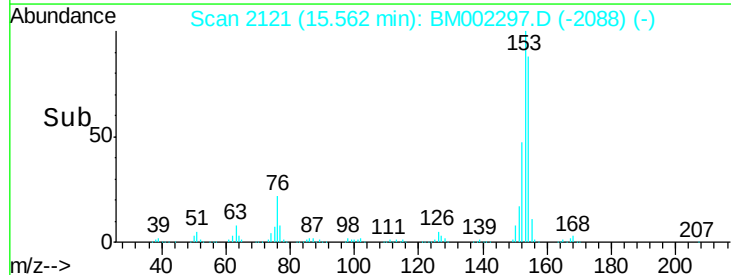
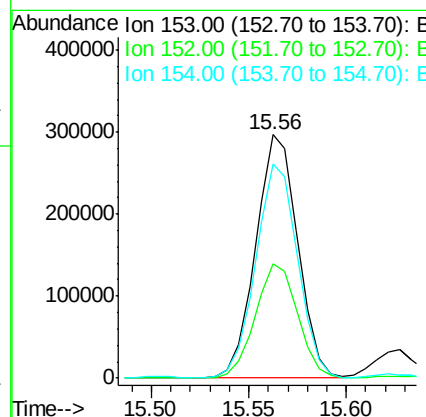
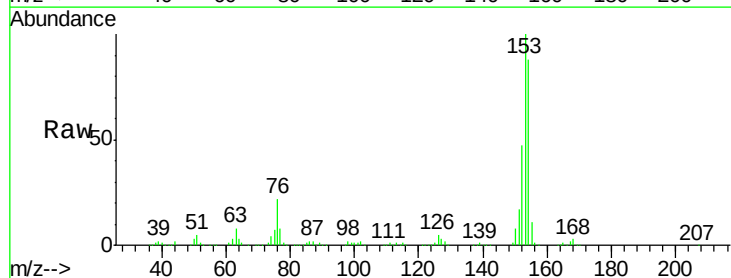
Instrument :
BNA_M
ClientSampleId :
D9C57RE

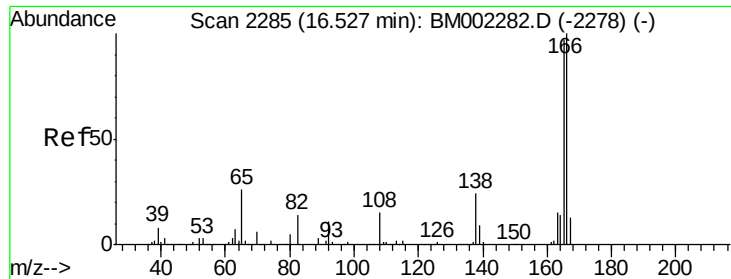
Tgt Ion:142 Resp: 141541
Ion Ratio Lower Upper
142 100
141 94.6 74.5 111.7
116 3.9 3.0 4.4



#9
Acenaphthene
Concen: 8.52 ng/ul
RT: 15.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BM002297.D
Acq: 09 Aug 2015 03:58

Tgt Ion:153 Resp: 443329
Ion Ratio Lower Upper
153 100
152 46.7 36.6 55.0
154 87.8 71.5 107.3





#11

Fluorene

Concen: 8.78 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

Instrument :

BNA_M

ClientSampleId :

D9C57RE

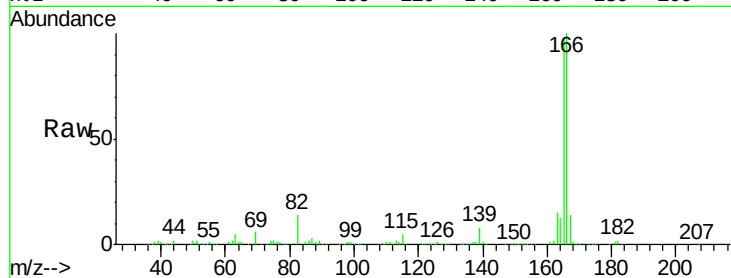
Tgt Ion:166 Resp: 514498

Ion Ratio Lower Upper

166 100

165 97.5 77.5 116.3

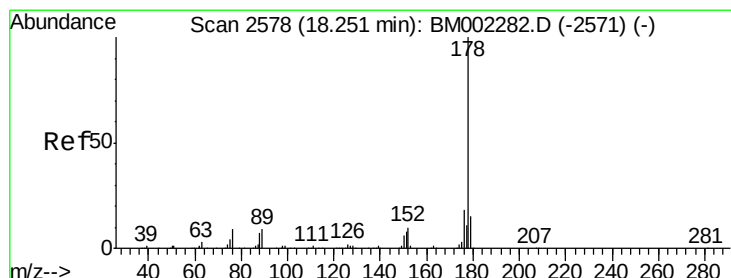
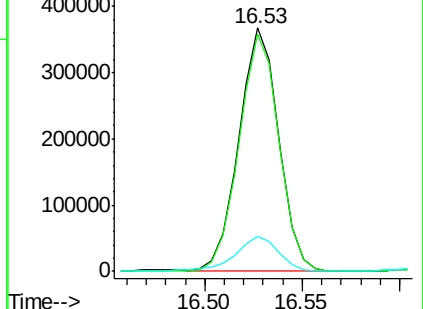
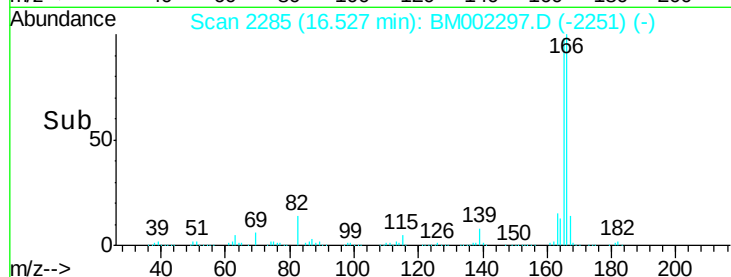
167 14.2 10.4 15.6



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: 80.23 ng/ul

RT: 18.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

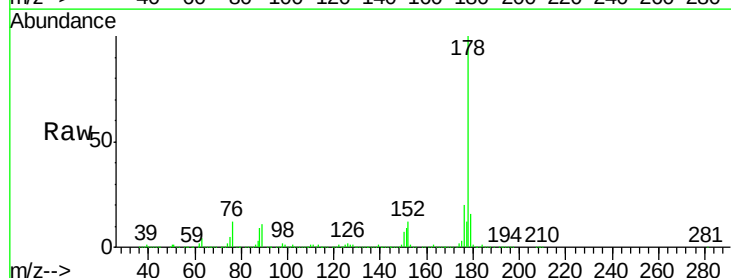
Tgt Ion:178 Resp: 6561241

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

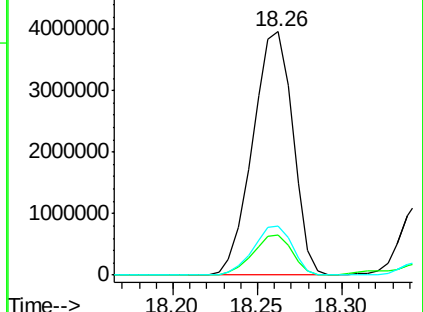
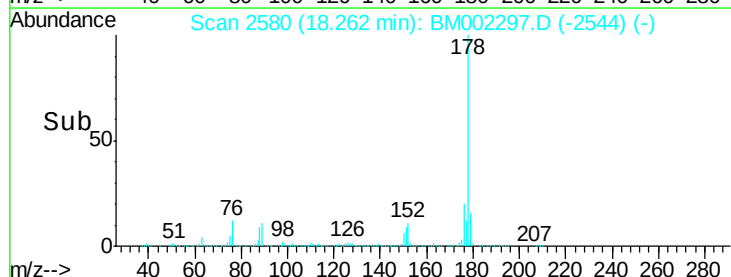
176 20.4 15.3 22.9

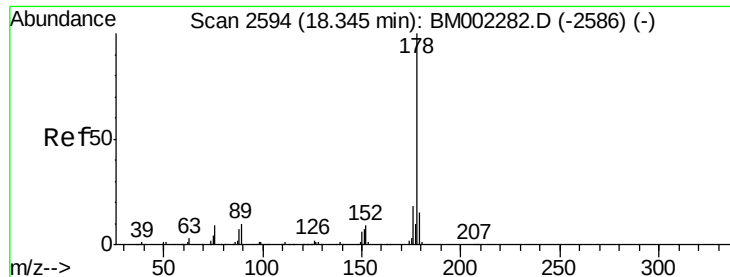


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 20.54 ng/ul

RT: 18.34 min Scan# 2594

Delta R.T. 0.00 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

Instrument :

BNA_M

ClientSampleId :

D9C57RE

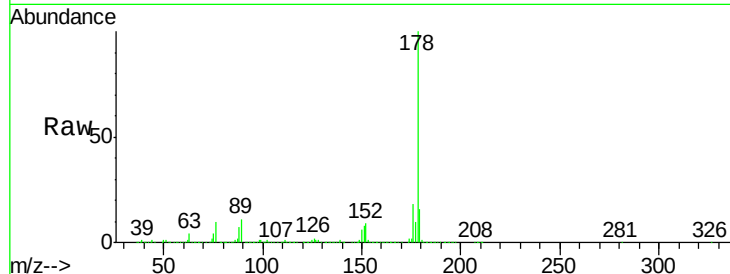
Tgt Ion:178 Resp: 1735109

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

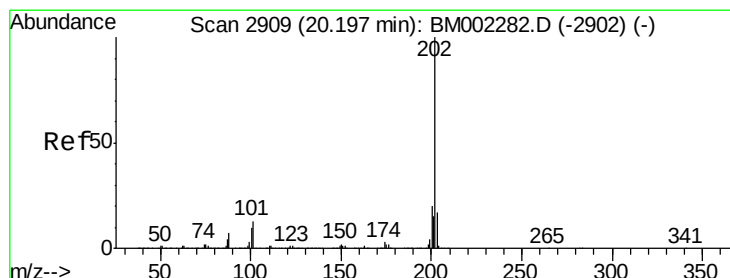
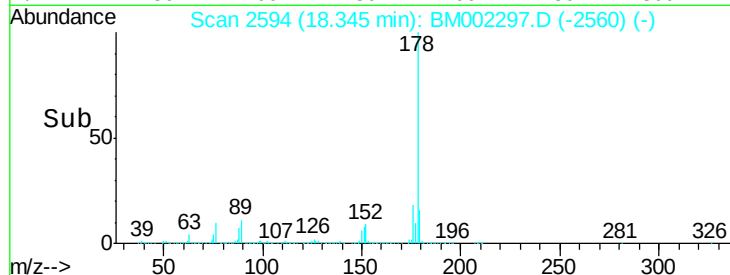
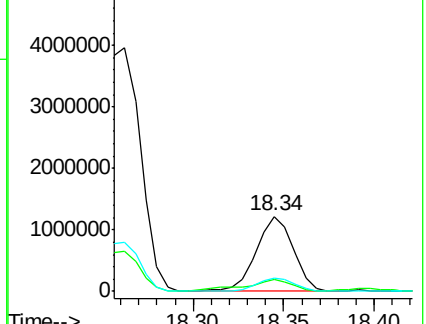
176 18.3 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 72.01 ng/ul

RT: 20.20 min Scan# 2910

Delta R.T. 0.01 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

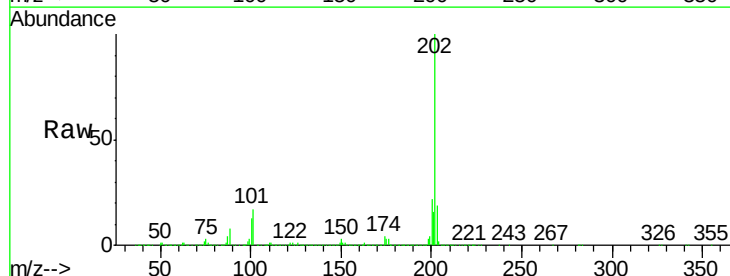
Tgt Ion:202 Resp: 6520110

Ion Ratio Lower Upper

202 100

101 16.6 10.6 15.8#

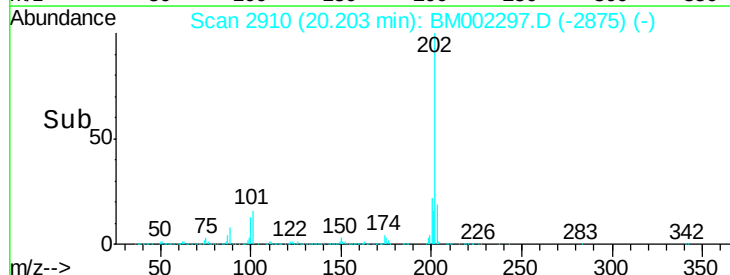
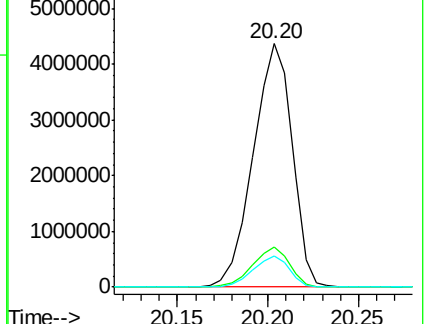
100 12.9 8.2 12.4#

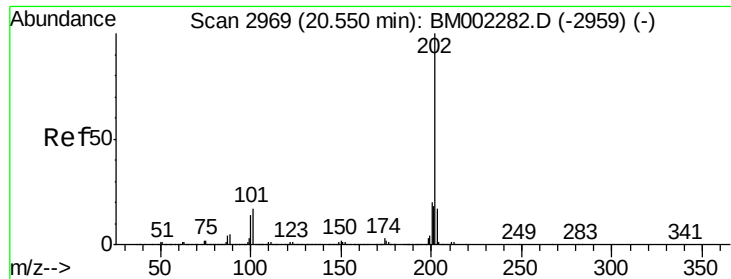


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

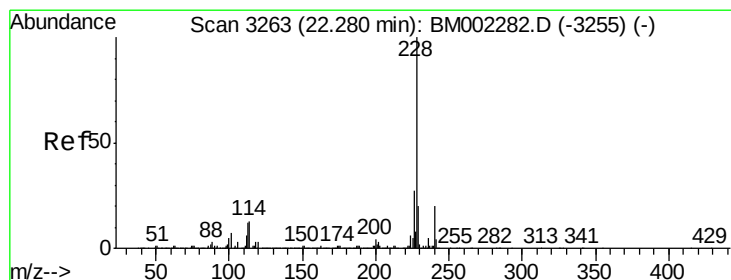
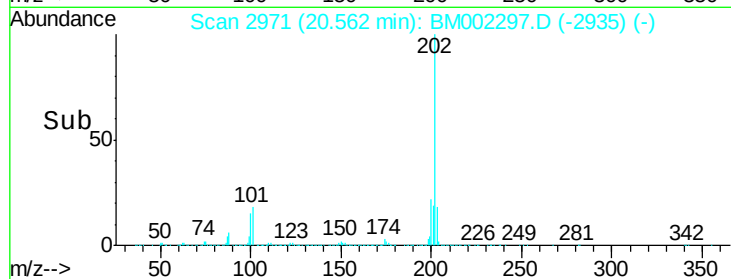
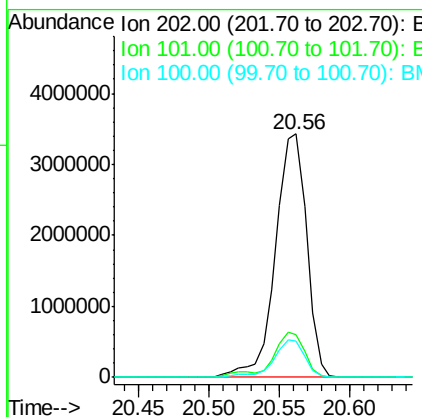
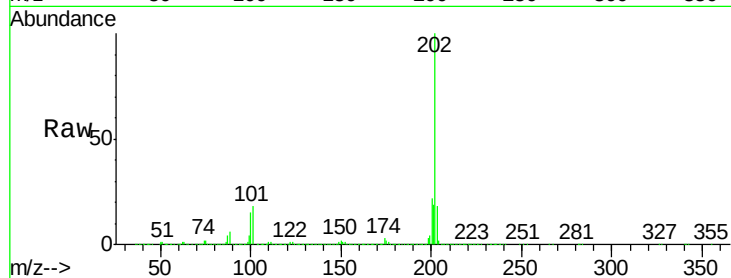




#19
 Pyrene
 Concen: 74.29 ng/ul
 RT: 20.56 min Scan# 2971
 Delta R.T. 0.01 min
 Lab File: BM002297.D
 Acq: 09 Aug 2015 03:58

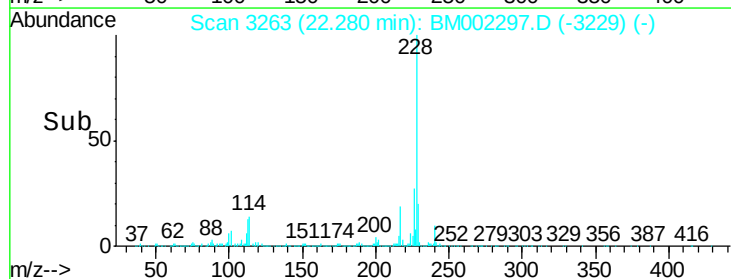
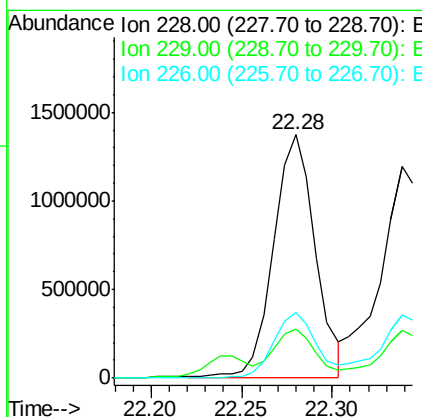
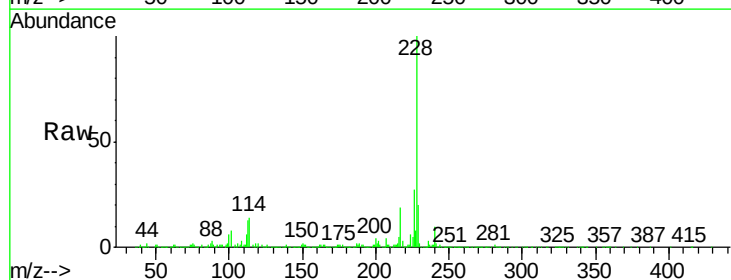
Instrument :
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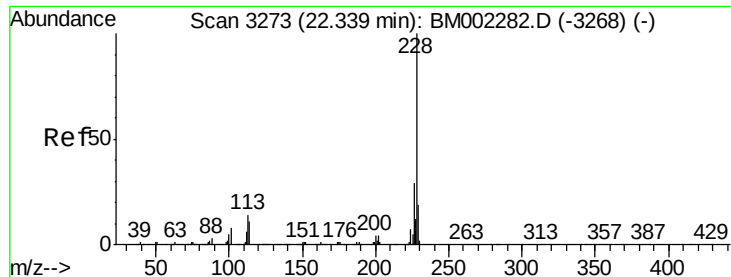
Tgt Ion:202 Resp: 5305715
 Ion Ratio Lower Upper
 202 100
 101 17.7 13.0 19.6
 100 14.8 11.0 16.4



#20
 Benzo(a)anthracene
 Concen: 32.65 ng/ul
 RT: 22.28 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: BM002297.D
 Acq: 09 Aug 2015 03:58

Tgt Ion:228 Resp: 2202081
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.7 23.5
 226 26.9 21.4 32.0





#21

Chrysene

Concen: 30.75 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. -0.00 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

Instrument :

BNA_M

ClientSampleId :

D9C57RE

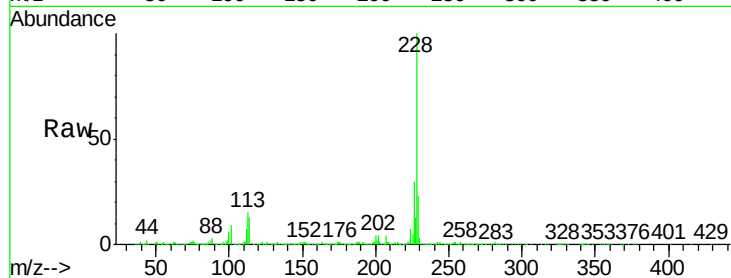
Tgt Ion:228 Resp: 1964947

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

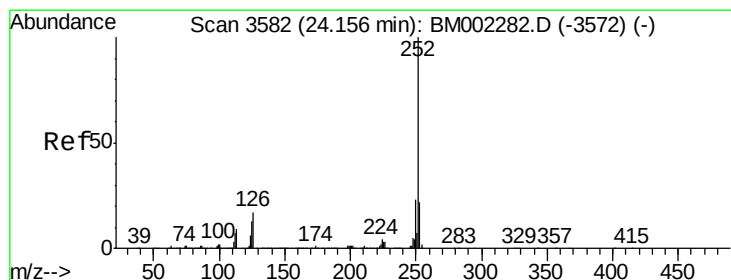
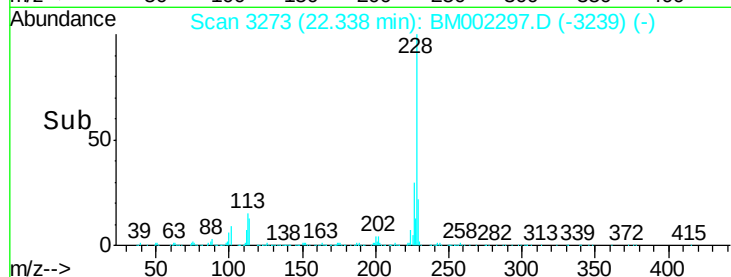
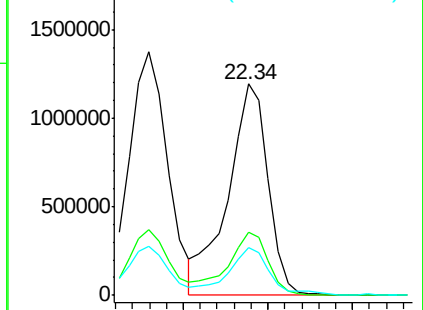
229 22.7 15.5 23.3



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: 36.53 ng/ul

RT: 24.17 min Scan# 3584

Delta R.T. 0.01 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

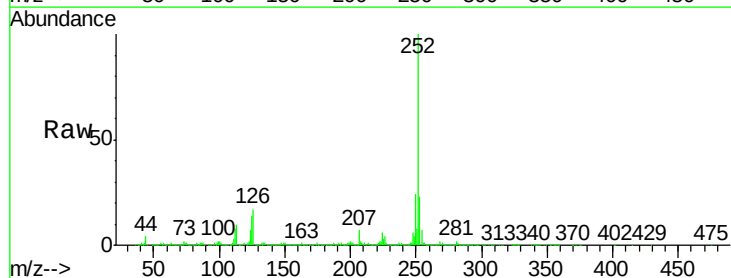
Tgt Ion:252 Resp: 2221714

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

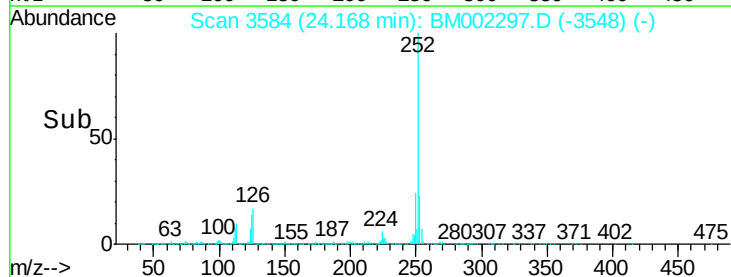
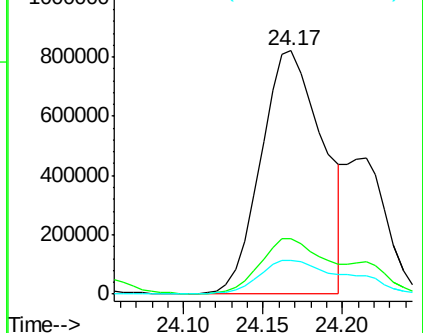
125 14.1 10.3 15.5

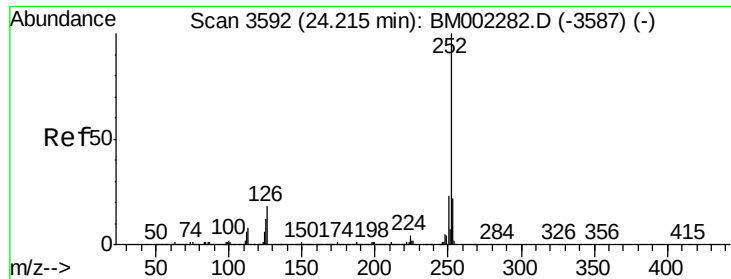


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

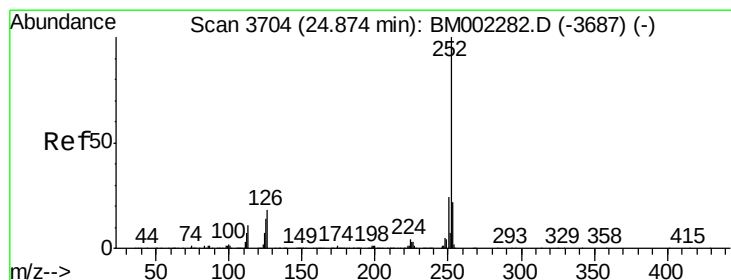
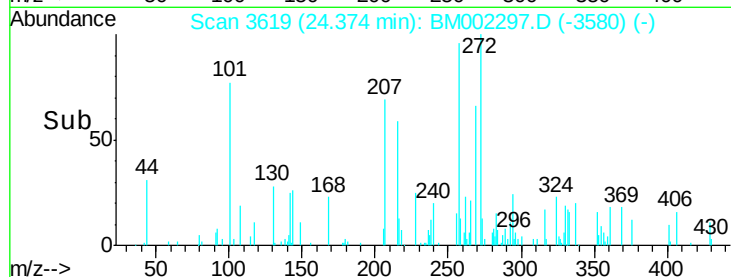
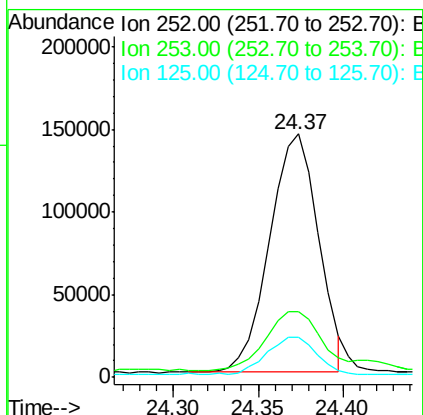
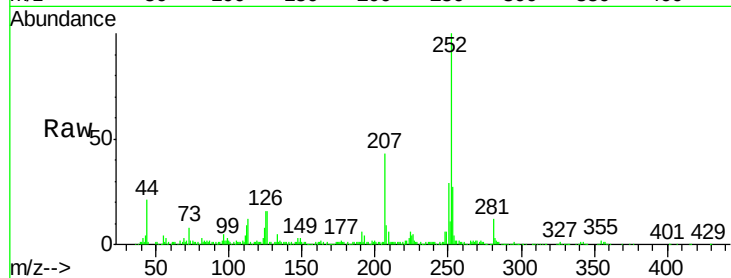




#24
Benzo(k)fluoranthene
Concen: 4.95 ng/ul
RT: 24.37 min Scan# 3619
Delta R.T. 0.16 min
Lab File: BM002297.D
Acq: 09 Aug 2015 03:58

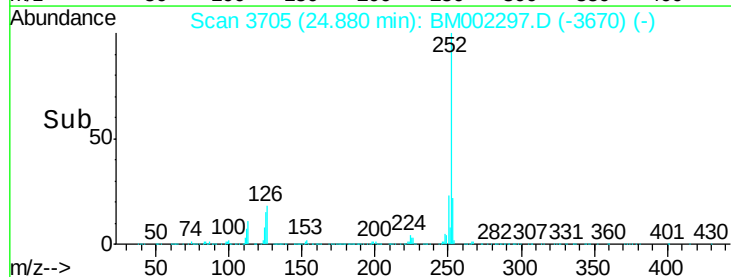
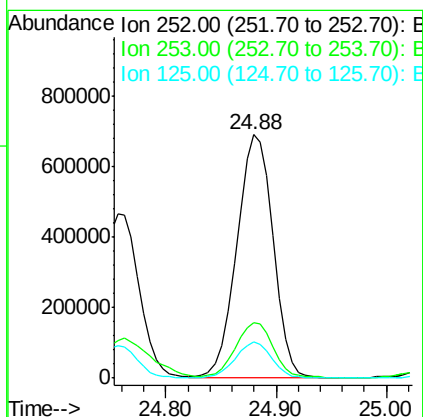
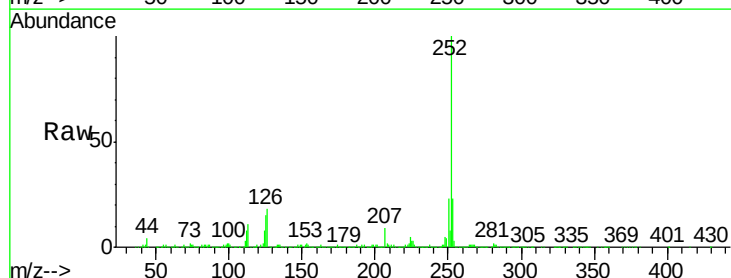
Instrument :
BNA_M
ClientSampleId :
D9C57RE

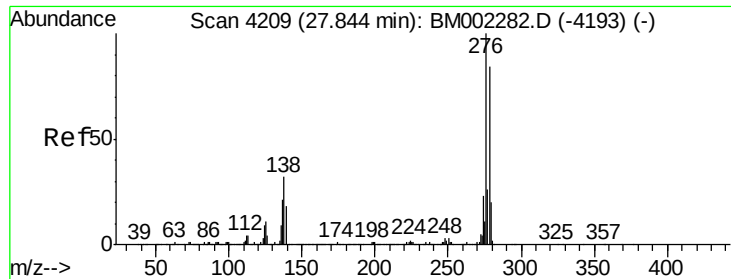
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.3	25.9
125	16.2	10.2	15.4



#26
Benzo(a)pyrene
Concen: 27.24 ng/ul
RT: 24.88 min Scan# 3705
Delta R.T. 0.01 min
Lab File: BM002297.D
Acq: 09 Aug 2015 03:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	14.9	11.0	16.6

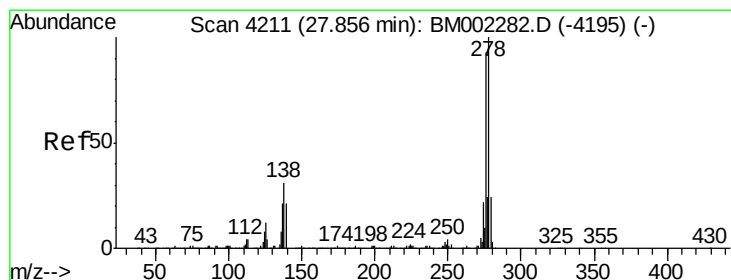
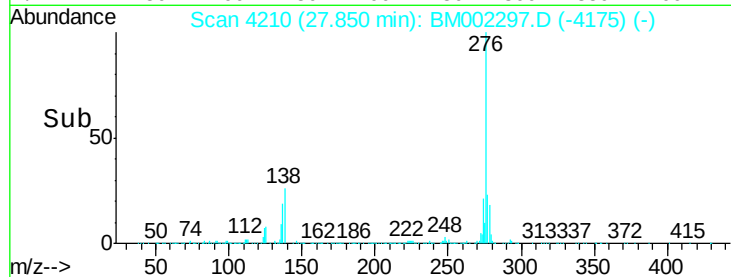
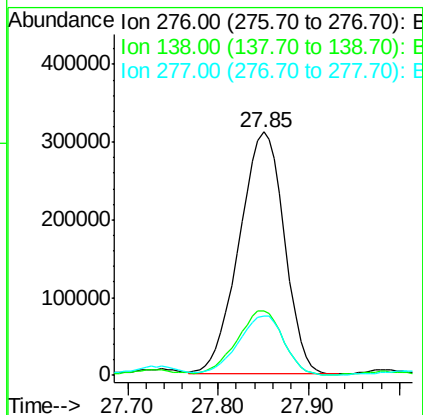
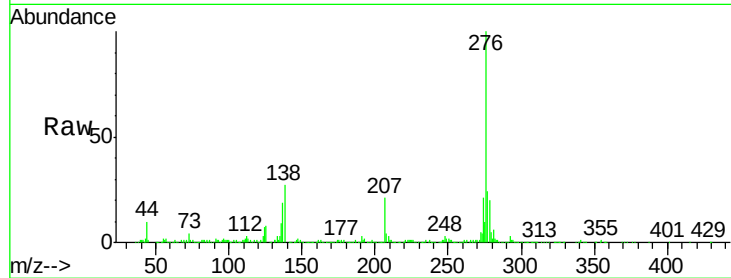




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 16.16 ng/ul
 RT: 27.85 min Scan# 4210
 Delta R.T. 0.01 min
 Lab File: BM002297.D
 Acq: 09 Aug 2015 03:58

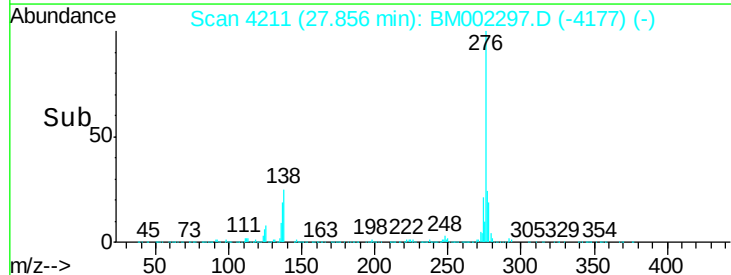
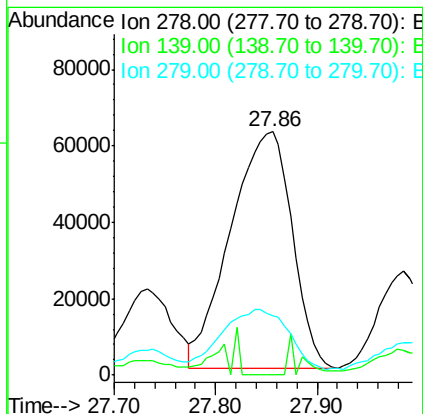
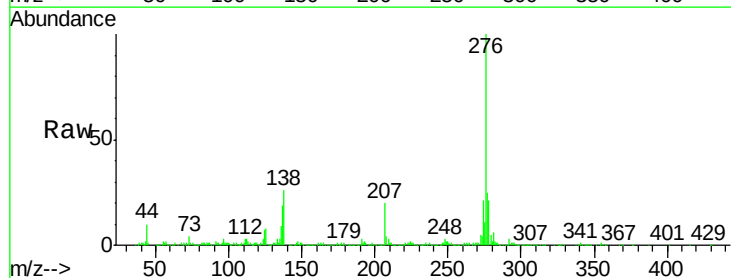
Instrument :
 BNA_M
 ClientSampleId :
 D9C57RE

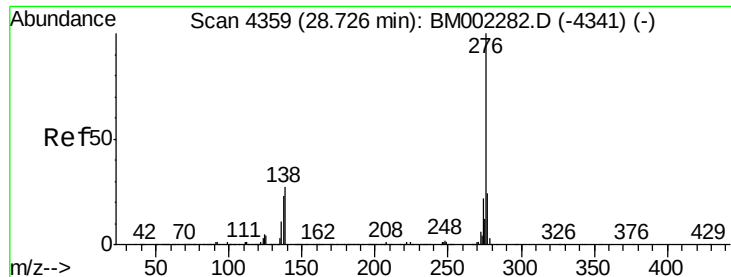
Tgt Ion:276 Resp: 1077795
 Ion Ratio Lower Upper
 276 100
 138 26.6 25.6 38.4
 277 24.4 21.0 31.4



#28
 Dibenzo(a,h)anthracene
 Concen: 4.62 ng/ul
 RT: 27.86 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: BM002297.D
 Acq: 09 Aug 2015 03:58

Tgt Ion:278 Resp: 261281
 Ion Ratio Lower Upper
 278 100
 139 0.0 16.4 24.6#
 279 24.5 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 19.04 ng/ul

RT: 28.74 min Scan# 4361

Delta R.T. 0.01 min

Lab File: BM002297.D

Acq: 09 Aug 2015 03:58

Instrument :

BNA_M

ClientSampleId :

D9C57RE

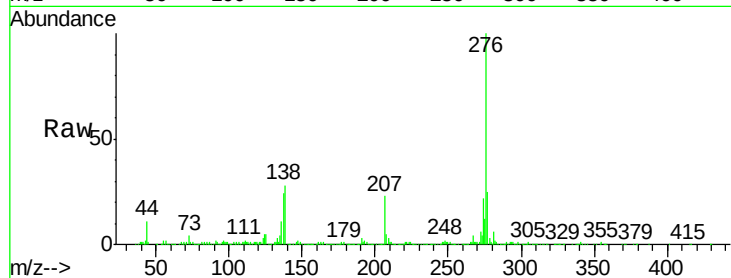
Tgt Ion:276 Resp: 1071754

Ion Ratio Lower Upper

276 100

138 27.9 20.5 30.7

277 24.6 19.0 28.6



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

