

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002581.D
 Acq On : 30 Aug 2015 01:10
 Operator : UM/IZ
 Sample : G3455-19MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MSD

Quant Time: Aug 31 01:36:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	142808	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	592474	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	287853	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	579121	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	602510	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	622519	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	477299	16.22	ng/ul	0.00
10) Fluorene-d10	16.34	176	314249	15.20	ng/ul	0.00
14) Anthracene-d10	18.18	188	433449	15.52	ng/ul	0.00
18) Pyrene-d10	20.40	212	422541	15.82	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	373708	11.43	ng/ul	0.02

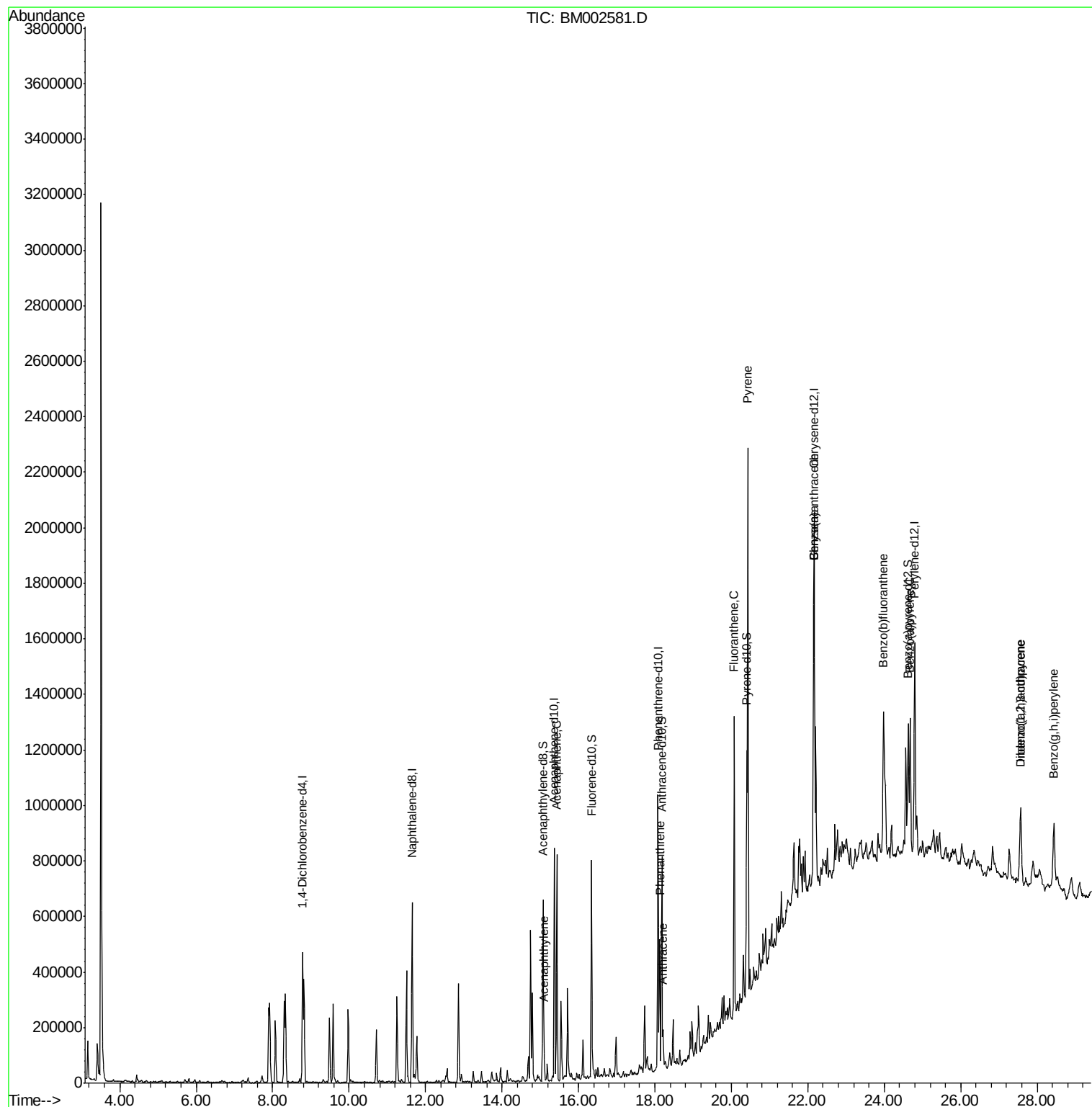
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	15.10	152	65111	2.11	ng/ul	99
9) Acenaphthene	15.43	153	339151	16.71	ng/ul	99
13) Phenanthrene	18.12	178	286488	8.57	ng/ul	100
15) Anthracene	18.22	178	87480	2.58	ng/ul	100
16) Fluoranthene	20.07	202	651528	17.21	ng/ul	97
19) Pyrene	20.43	202	1140646	32.32	ng/ul	98
20) Benzo(a)anthracene	22.14	228	356209	9.89	ng/ul	97
21) Chrysene	22.14	228	353384	10.49	ng/ul	96
23) Benzo(b)fluoranthene	23.98	252	487834	12.96	ng/ul#	96
26) Benzo(a)pyrene	24.68	252	357991	9.96	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	277240	6.71	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	91324	2.64	ng/ul#	74
29) Benzo(g,h,i)perylene	28.44	276	319564	9.29	ng/ul	95

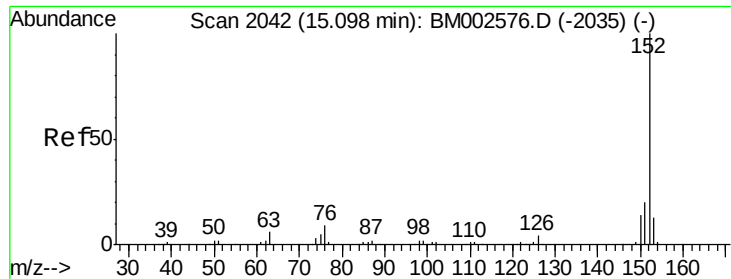
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 2.11 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9E82MSD

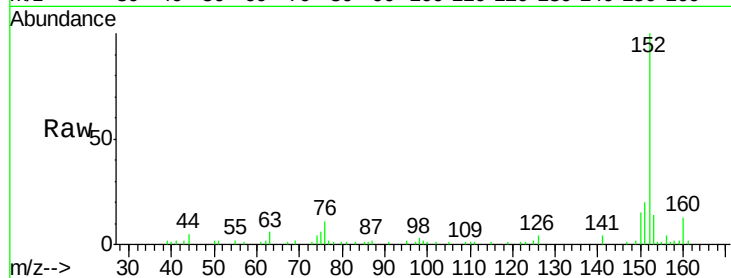
Tgt Ion:152 Resp: 65111

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

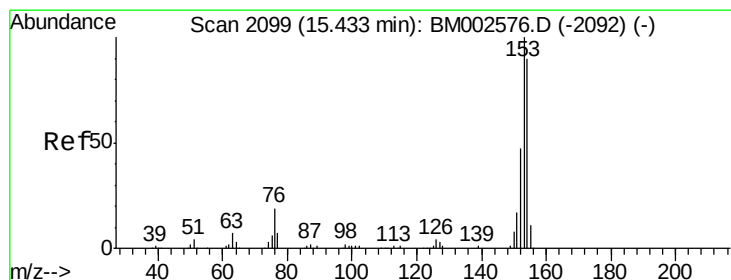
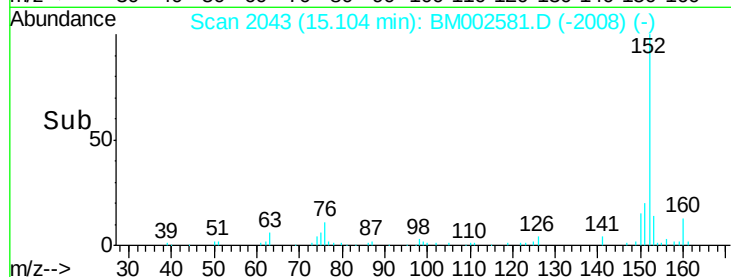
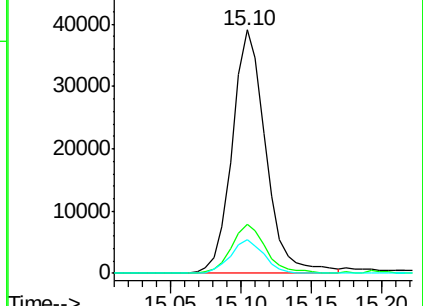
153 13.8 10.2 15.4



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: 16.71 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

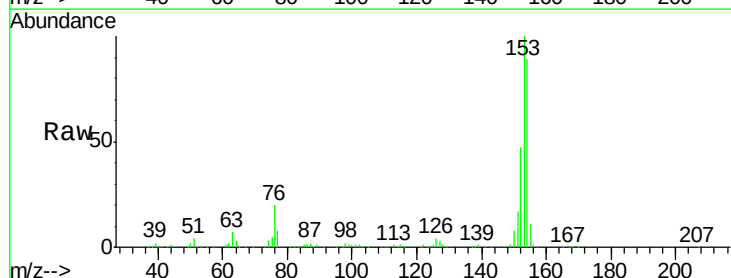
Tgt Ion:153 Resp: 339151

Ion Ratio Lower Upper

153 100

152 46.9 36.9 55.3

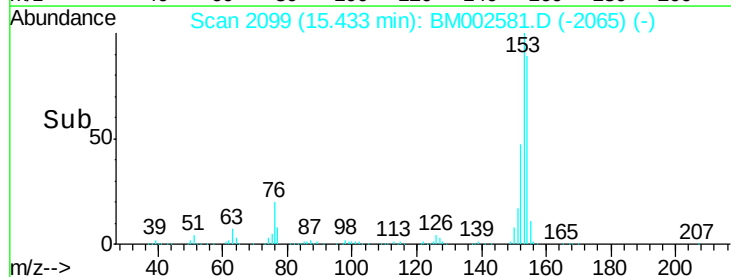
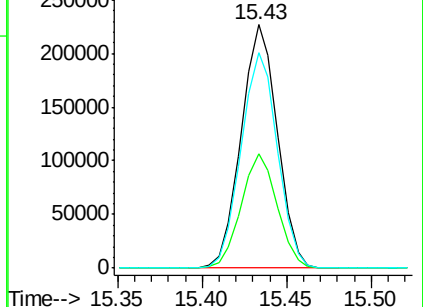
154 88.7 71.3 106.9

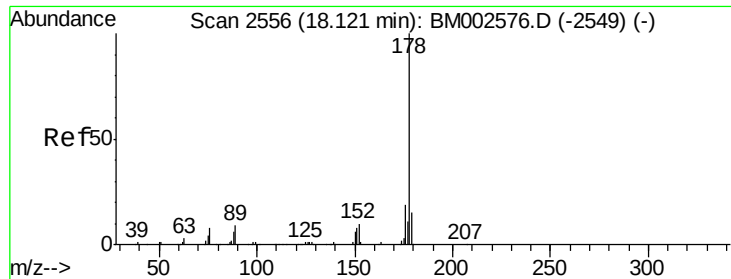


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

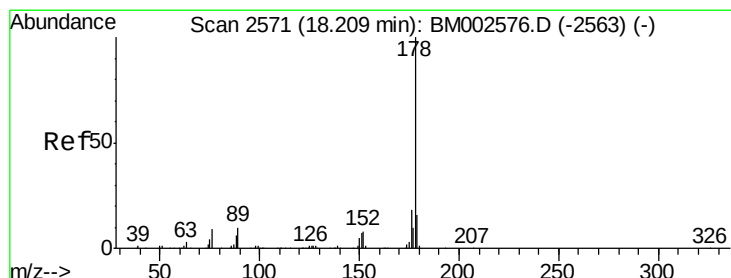
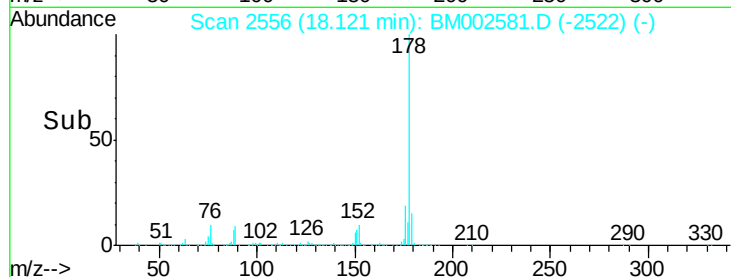
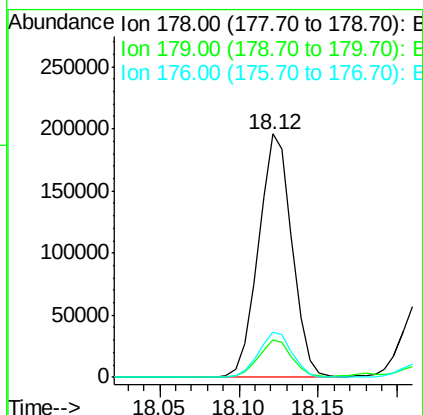
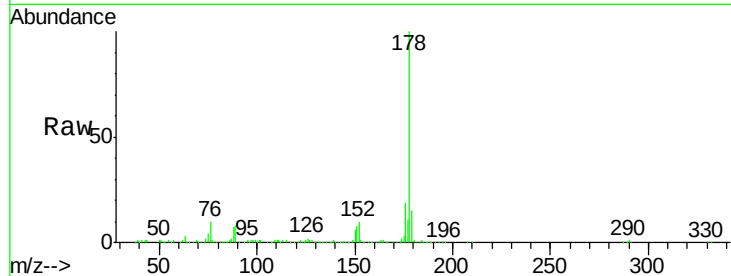




#13
 Phenanthrene
 Concen: 8.57 ng/ul
 RT: 18.12 min Scan# 2556
 Delta R.T. -0.00 min
 Lab File: BM002581.D
 Acq: 30 Aug 2015 01:10

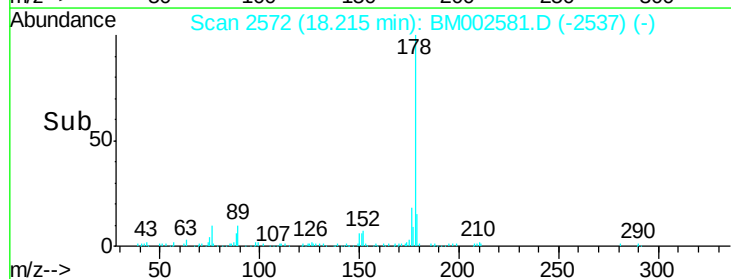
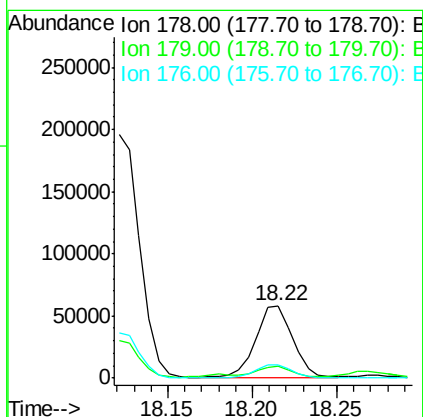
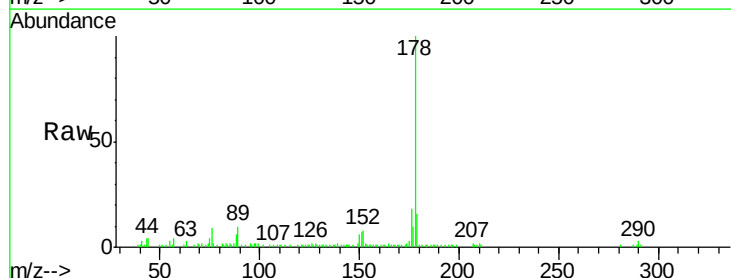
Instrument :
 BNA_M
 ClientSampleId :
 D9E82MSD

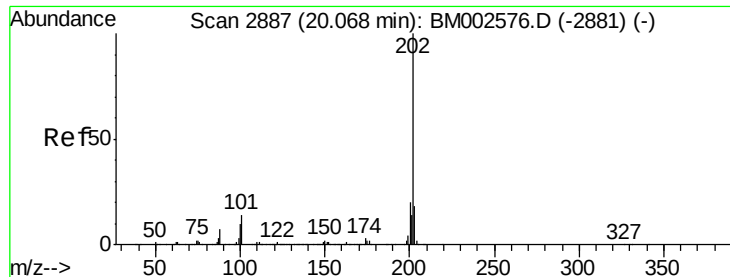
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	18.8	15.1	22.7



#15
 Anthracene
 Concen: 2.58 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: BM002581.D
 Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8
176	17.8	14.5	21.7

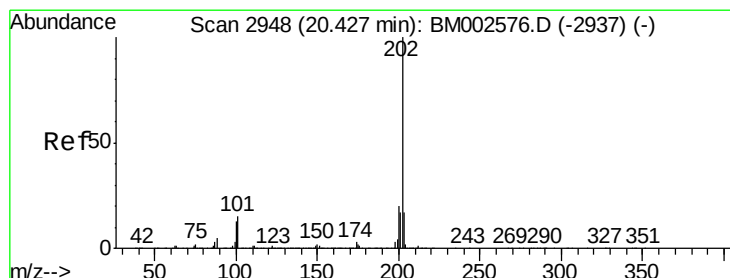
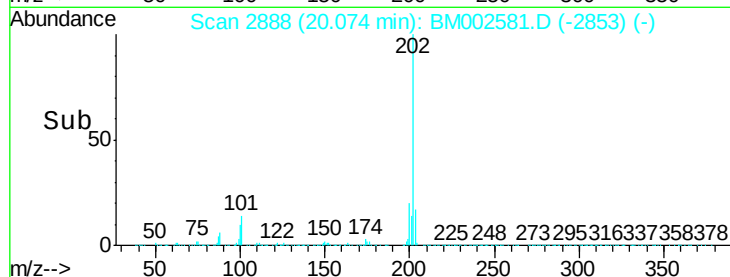
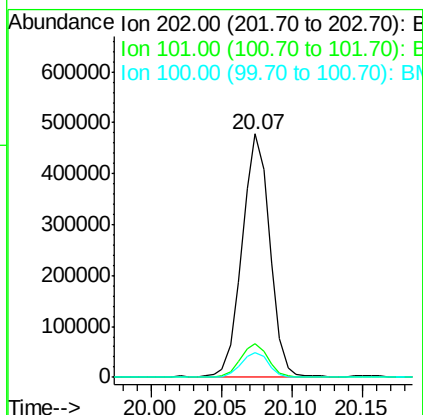
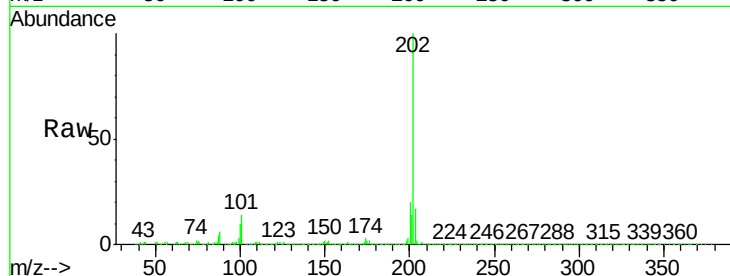




#16
 Fluoranthene
 Concen: 17.21 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: BM002581.D
 Acq: 30 Aug 2015 01:10

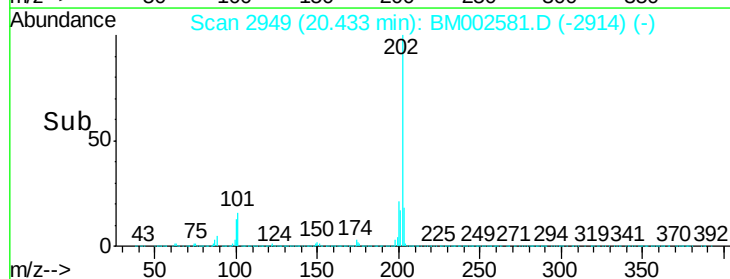
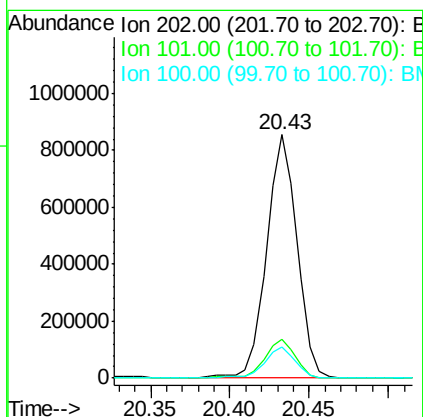
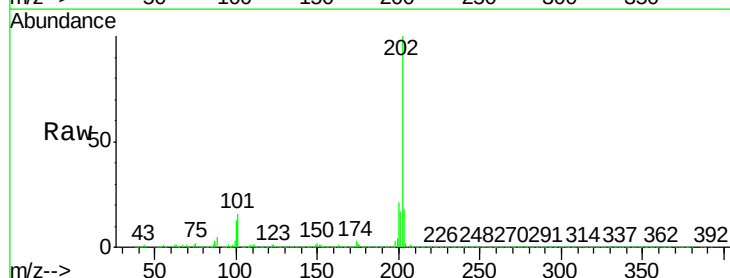
Instrument :
 BNA_M
 ClientSampleId :
 D9E82MSD

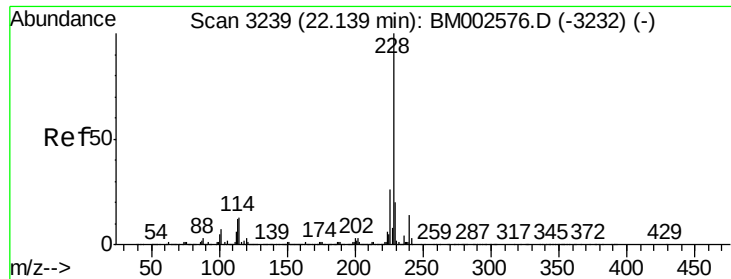
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	9.7	14.5
100	10.2	7.4	11.2



#19
 Pyrene
 Concen: 32.32 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002581.D
 Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	12.0	18.0
100	12.9	9.7	14.5





#20

Benzo(a)anthracene

Concen: 9.89 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9E82MSD

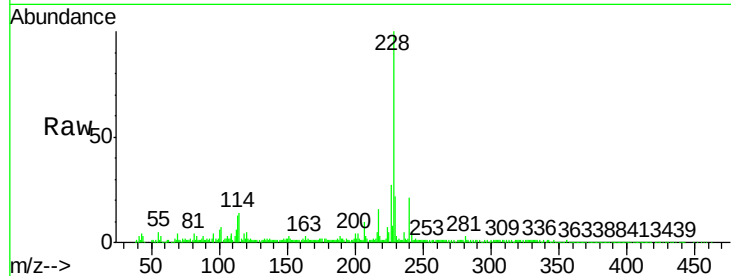
Tgt Ion:228 Resp: 356209

Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.6

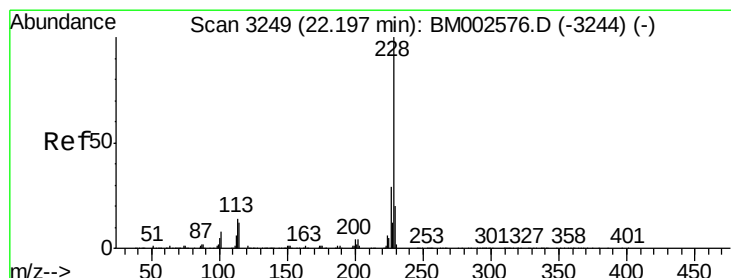
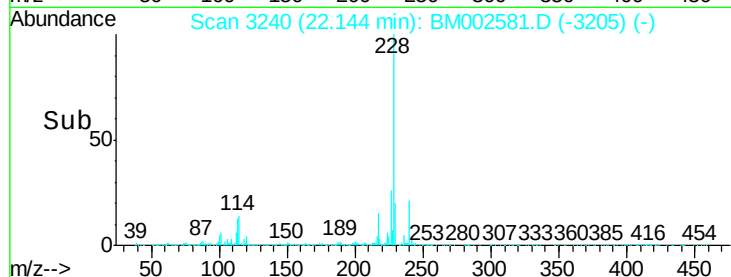
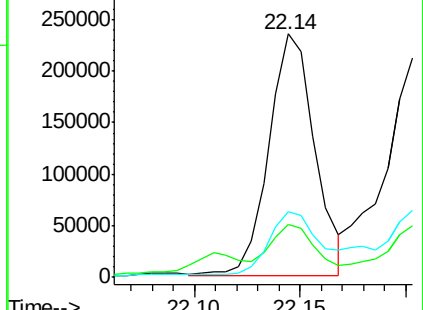
226 27.2 21.1 31.7



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: 10.49 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

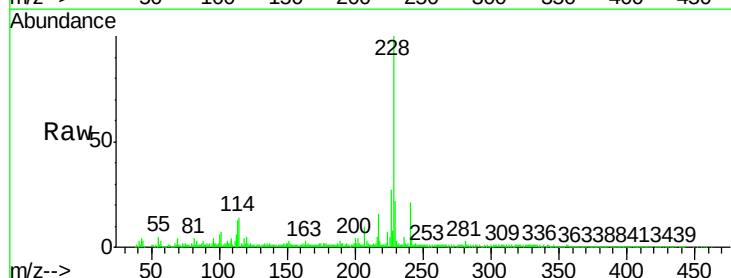
Tgt Ion:228 Resp: 353384

Ion Ratio Lower Upper

228 100

226 27.2 23.4 35.2

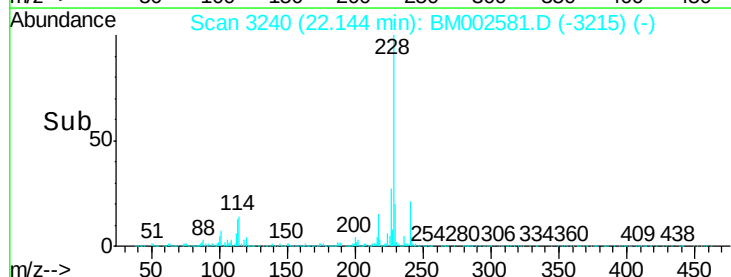
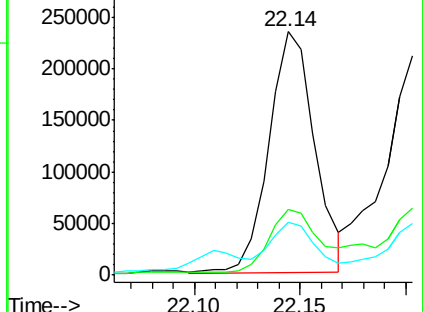
229 21.6 15.7 23.5

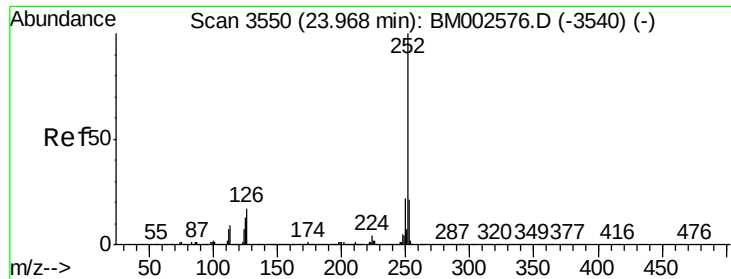


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 12.96 ng/ul

RT: 23.98 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

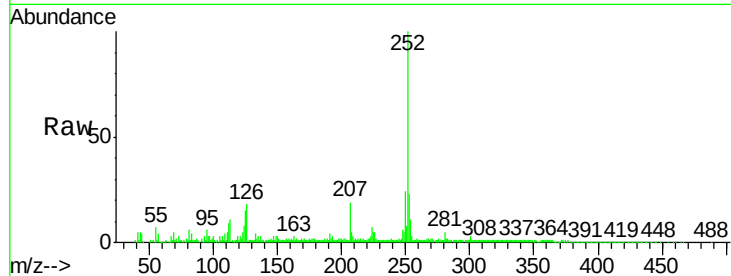
Instrument :

BNA_M

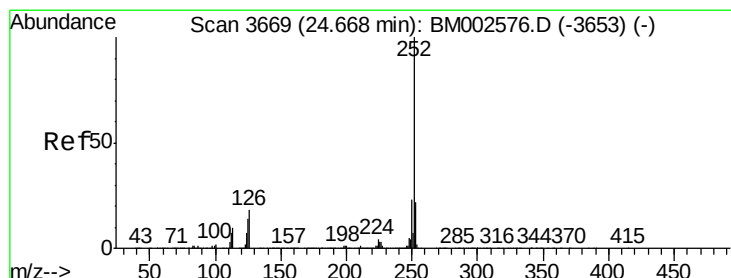
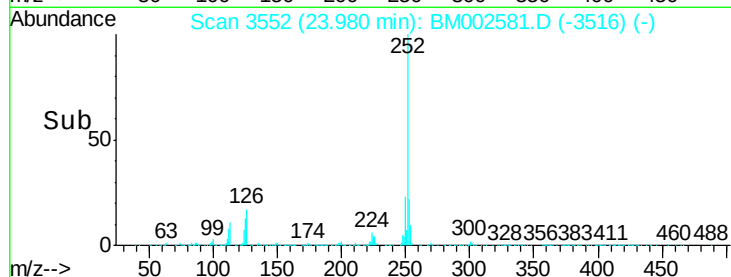
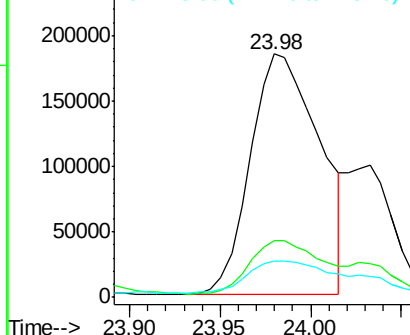
ClientSampleId :

D9E82MSD

Tgt Ion:	252	Resp:	487834
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	15.1	10.0	15.0#



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



#26

Benzo(a)pyrene

Concen: 9.96 ng/ul

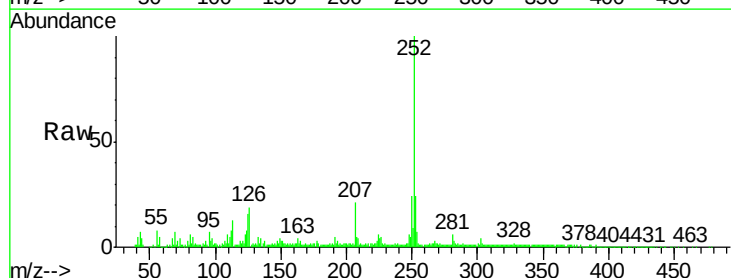
RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

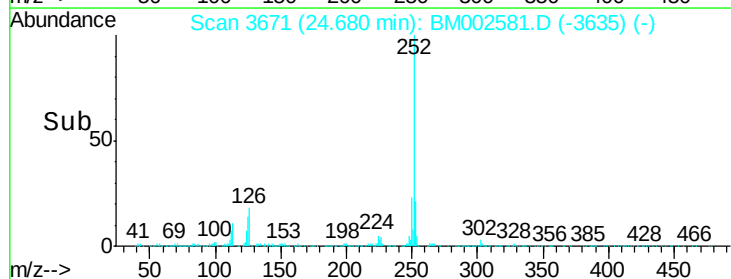
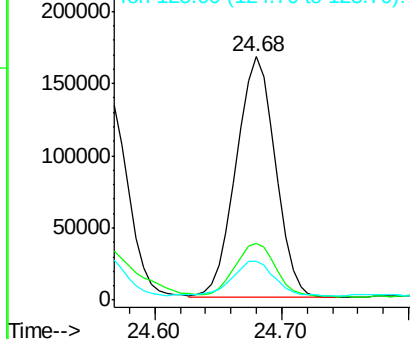
Lab File: BM002581.D

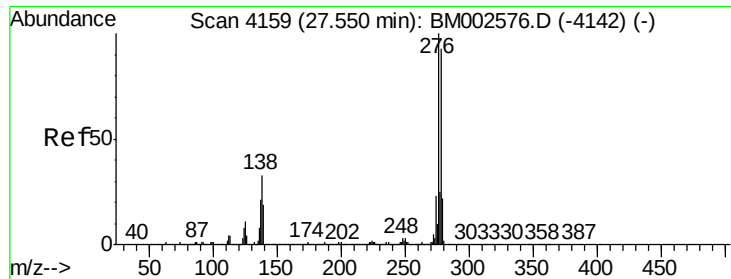
Acq: 30 Aug 2015 01:10

Tgt Ion:	252	Resp:	357991
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.6	26.4
125	16.0	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

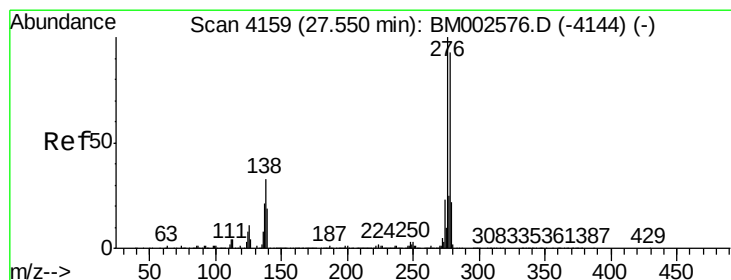
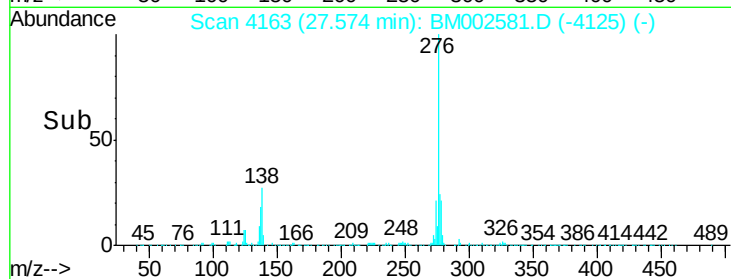
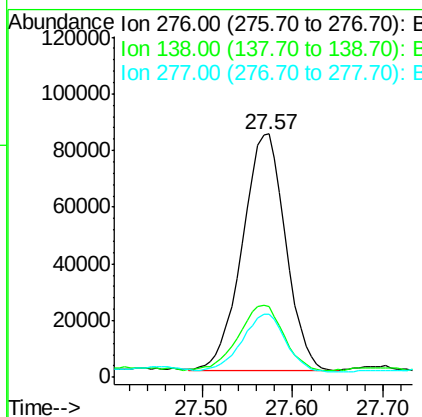
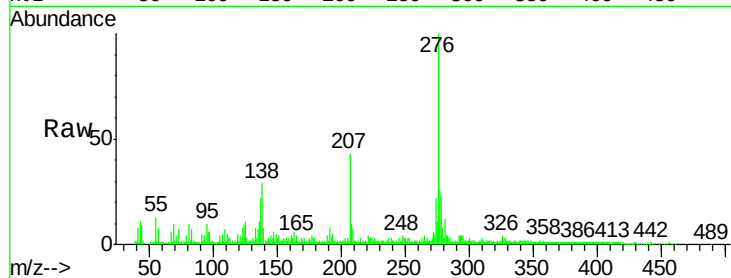




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 6.71 ng/ul
 RT: 27.57 min Scan# 4163
 Delta R.T. 0.02 min
 Lab File: BM002581.D
 Acq: 30 Aug 2015 01:10

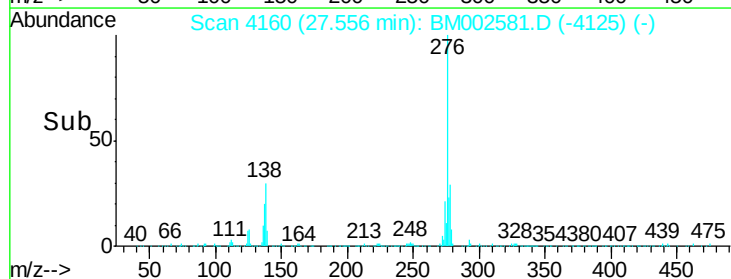
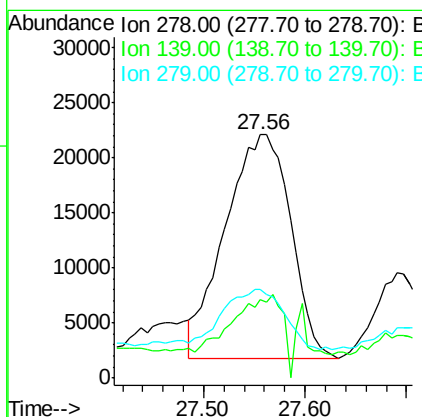
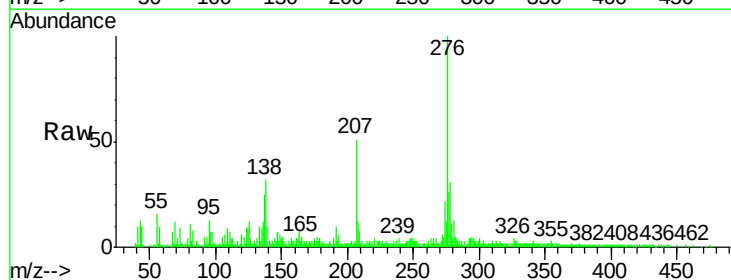
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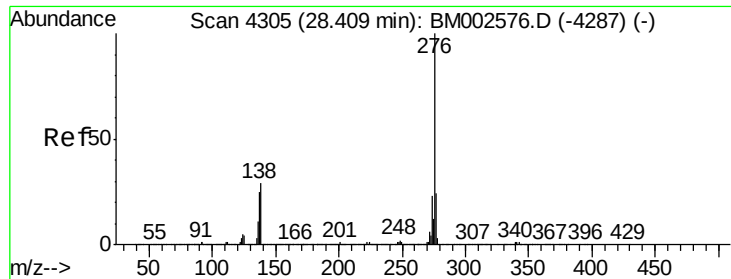
Tgt Ion: 276 Resp: 277240
 Ion Ratio Lower Upper
 276 100
 138 29.1 25.3 37.9
 277 25.8 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.64 ng/ul
 RT: 27.56 min Scan# 4160
 Delta R.T. 0.01 min
 Lab File: BM002581.D
 Acq: 30 Aug 2015 01:10

Tgt Ion: 278 Resp: 91324
 Ion Ratio Lower Upper
 278 100
 139 32.3 16.5 24.7#
 279 36.3 18.8 28.2#





#29

Benzo(g,h,i)perylene

Concen: 9.29 ng/ul

RT: 28.44 min Scan# 4310

Delta R.T. 0.03 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9E82MSD

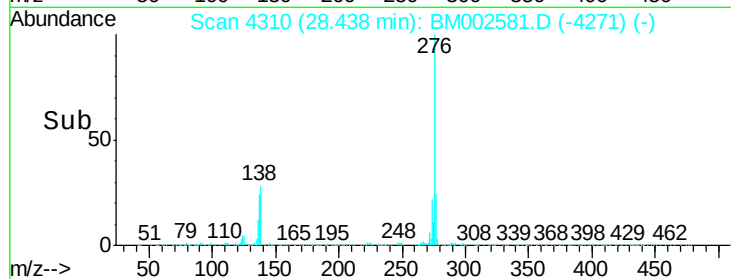
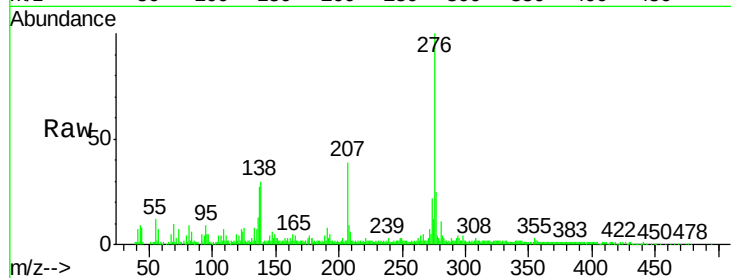
Tgt Ion: 276 Resp: 319564

Ion Ratio Lower Upper

276 100

138 29.7 21.0 31.6

277 25.5 19.2 28.8



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

