

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006058.D
 Acq On : 27 Jun 2016 02:23
 Operator : UM/SJ
 Sample : H3671-13MSD 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5MSD

Manual Integrations
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Quant Time: Jun 27 06:20:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	284382	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1346453	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	782378	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1726908	20.00	ng/ul	0.01
29) Chrysene-d12	21.26	240	1284072	20.00	ng/ul	0.01
34) Perylene-d12	23.47	264	1200162	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4725	0.74	ng/uL	0.00
3) Phenol-d5	6.83	99	267490	8.94	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	172823	10.38	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	213273	10.24	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	142053	5.63	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	114750	11.19	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	121140	10.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	225775	10.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	152824	6.44	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	690023	10.30	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	900669	11.59	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	94330	6.60	ng/ul	0.01
21) Fluorene-d10	15.30	176	630639	11.03	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	27881	2.91	ng/ul	0.01
26) Anthracene-d10	17.16	188	934218	11.78	ng/ul	0.00
30) Pyrene-d10	19.46	212	904625	16.08	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.33	264	637967	11.77	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	106651	1.59	ng/ul	98
18) Acenaphthylene	14.03	152	170458	2.08	ng/ul	96
19) Acenaphthene	14.37	153	825440	15.87	ng/ul	99
22) Fluorene	15.36	166	287515	4.59	ng/ul	99
25) Phenanthrene	17.10	178	6220946	66.97	ng/ul	99
27) Anthracene	17.19	178	1342690	14.00	ng/ul	100
28) Fluoranthene	19.13	202	8902211	74.82	ng/ul	97
31) Pyrene	19.49	202	8350267	113.59	ng/ul	97
32) Benzo(a)anthracene	21.24	228	3196044	41.90	ng/ul	98
33) Chrysene	21.29	228	3067677	44.02	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	3943325	56.55	ng/ul	98
36) Benzo(k)fluoranthene	22.85	252	1090179m	16.81	ng/ul	
38) Benzo(a)pyrene	23.38	252	2632686	39.38	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.70	276	2213737	27.77	ng/ul	97
40) Dibenzo(a,h)anthracene	25.70	278	457524m	6.90	ng/ul	
41) Benzo(g,h,i)perylene	26.39	276	2347250	34.05	ng/ul	99

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

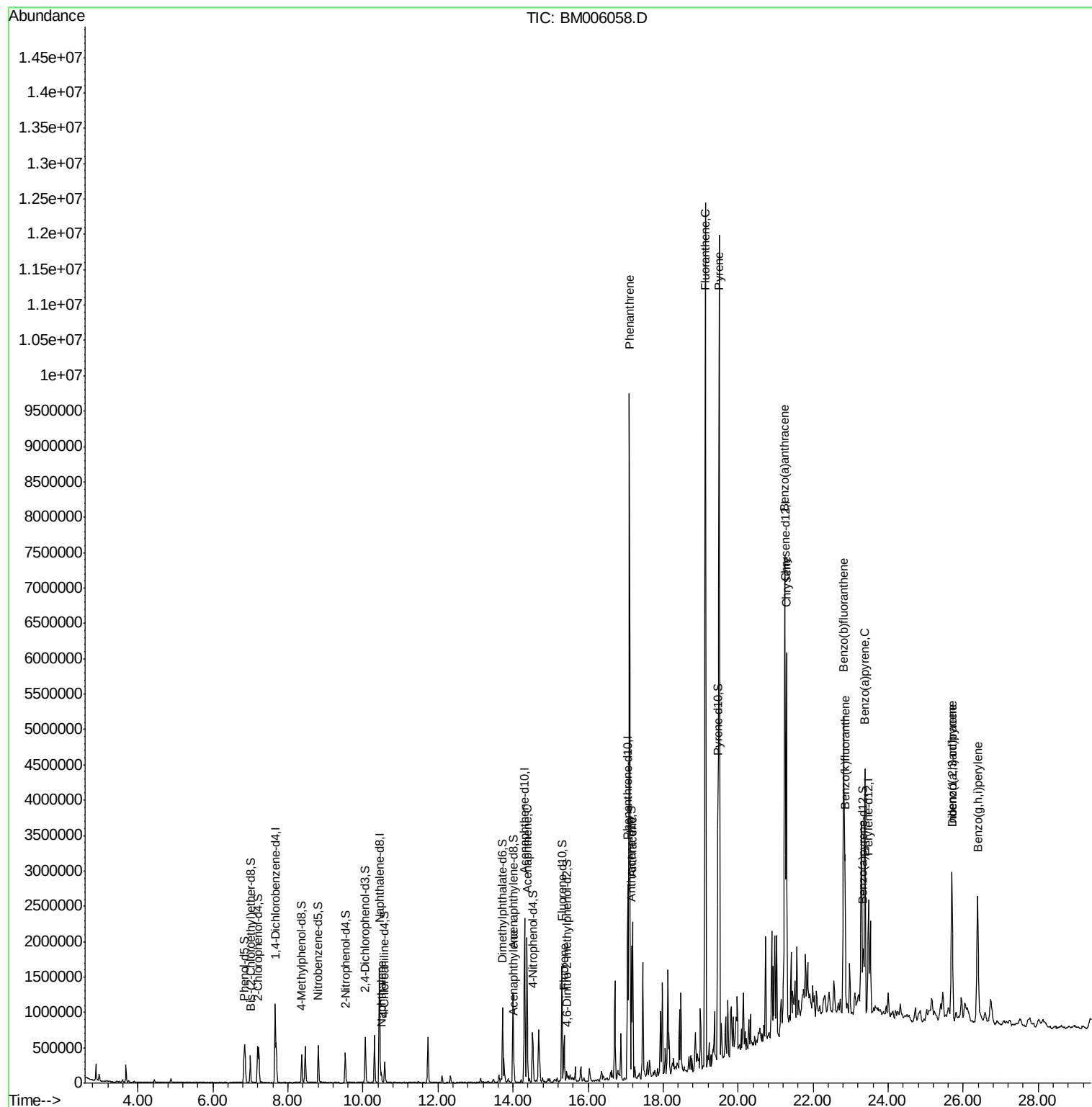
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006058.D
Acq On : 27 Jun 2016 02:23
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Sample : H3671-13MSD 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

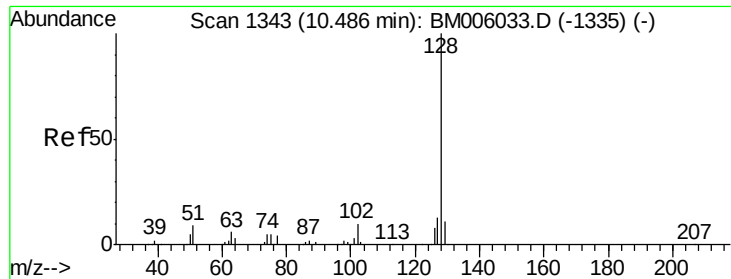
Instrument :
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ClientSampleId :
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Quant Time: Jun 27 06:20:18 2016
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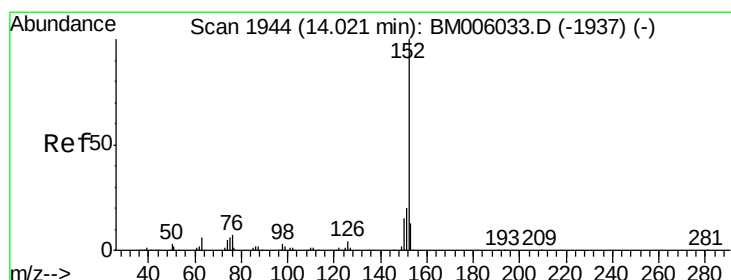
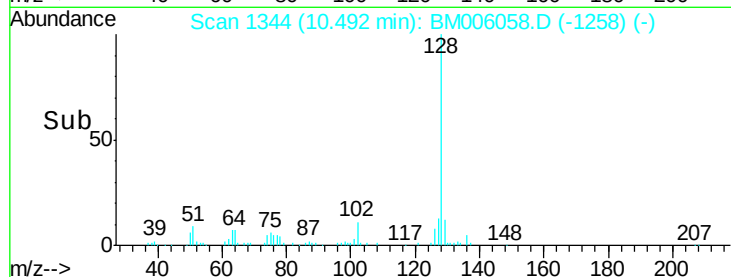
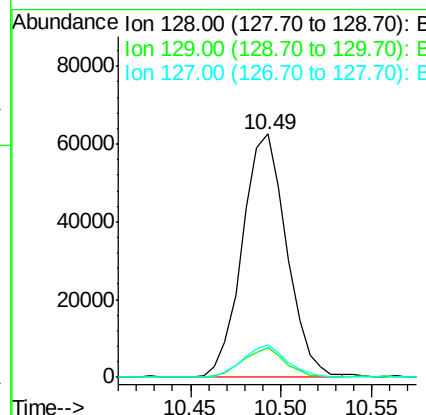
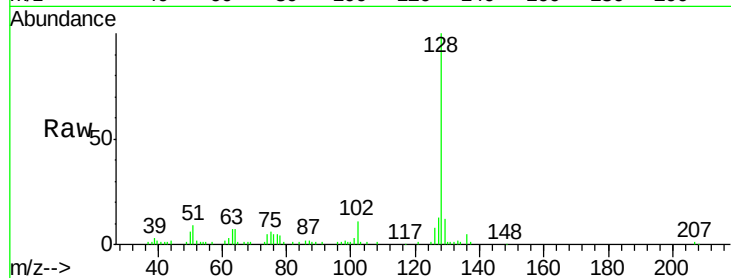
#11
Naphthalene
Concen: 1.59 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006058.D
Acq: 27 Jun 2016 02:23

Instrument :
BNA_M
ClientSampleId :
D9YA5MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	12.1	8.6	13.0
127	13.1	10.2	15.4

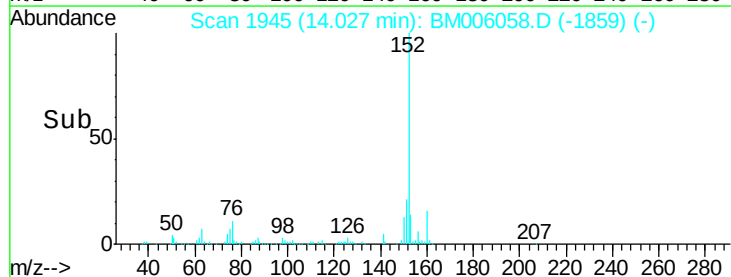
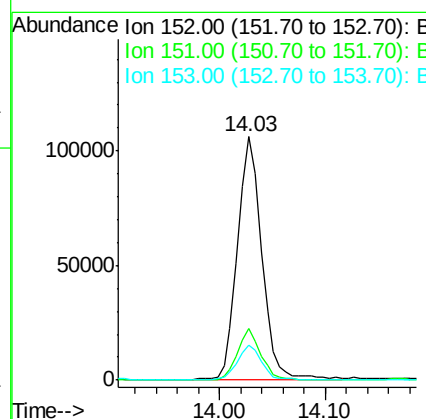
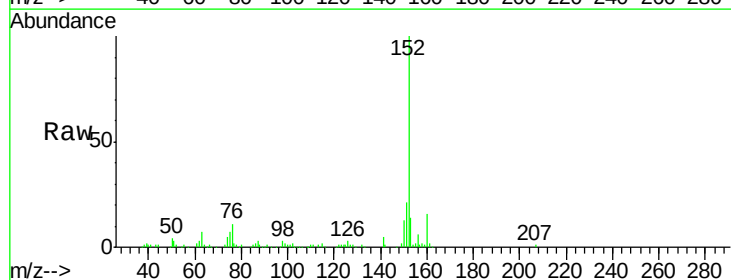
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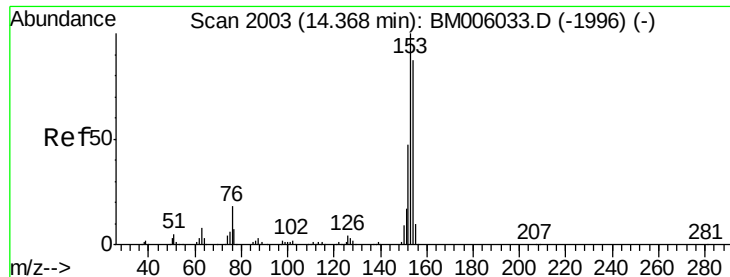
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#18
Acenaphthylene
Concen: 2.08 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006058.D
Acq: 27 Jun 2016 02:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	21.4	15.5	23.3
153	14.5	10.5	15.7





#19

Acenaphthene

Concen: 15.87 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Instrument :

BNA_M

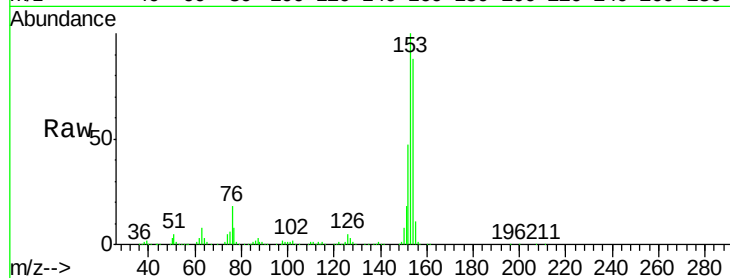
ClientSampleId :

D9YA5MSD

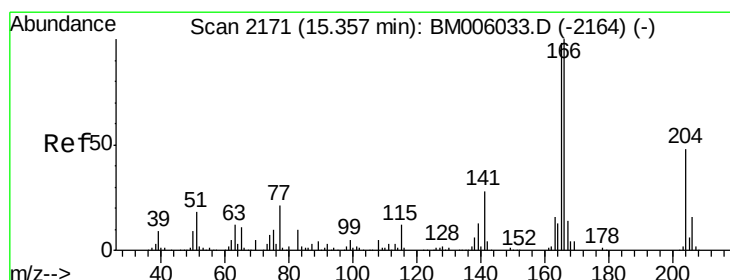
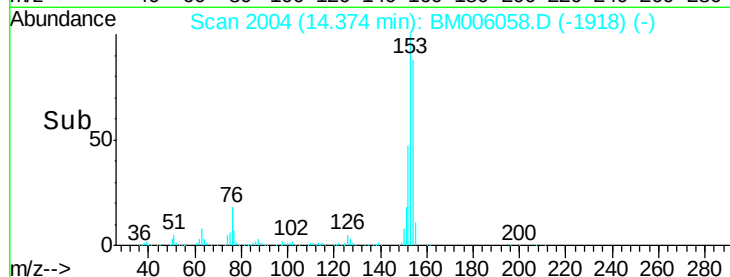
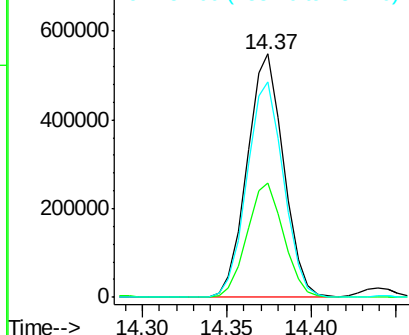
Tgt Ion:	153	Resp:	825440
Ion Ratio	Lower	Upper	
153	100		
152	46.9	38.6	57.8
154	88.2	70.7	106.1

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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



#22

Fluorene

Concen: 4.59 ng/ul

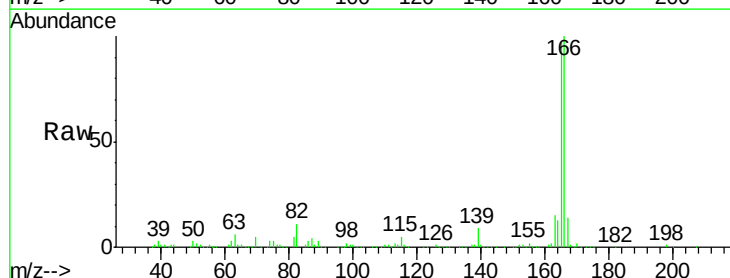
RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

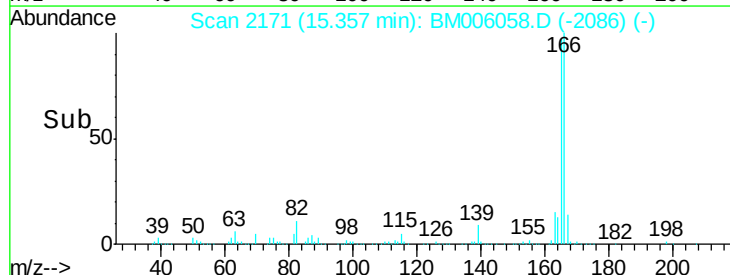
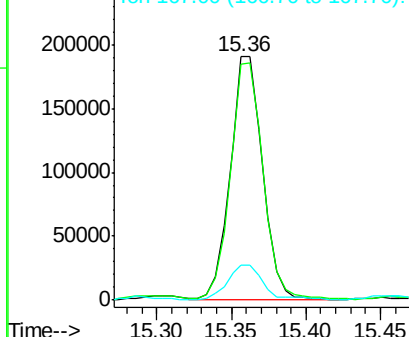
Lab File: BM006058.D

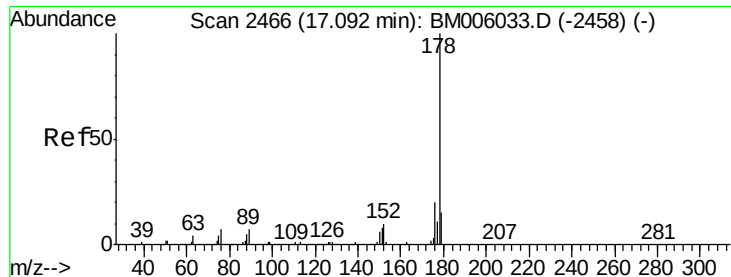
Acq: 27 Jun 2016 02:23

Tgt Ion:	166	Resp:	287515
Ion Ratio	Lower	Upper	
166	100		
165	97.0	76.8	115.2
167	14.5	10.8	16.2



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





#25

Phenanthrene

Concen: 66.97 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Instrument :

BNA_M

ClientSampleId :

D9YA5MSD

Tgt Ion:178 Resp: 6220946

Ion Ratio Lower Upper

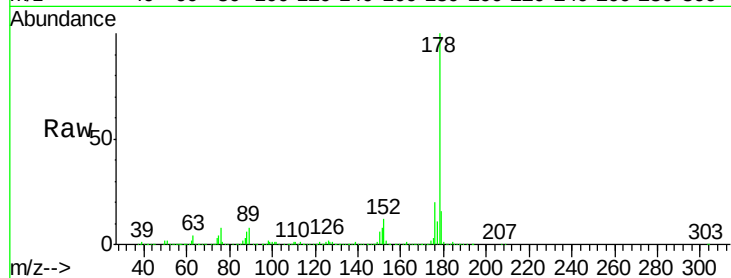
178 100

179 15.6 12.1 18.1

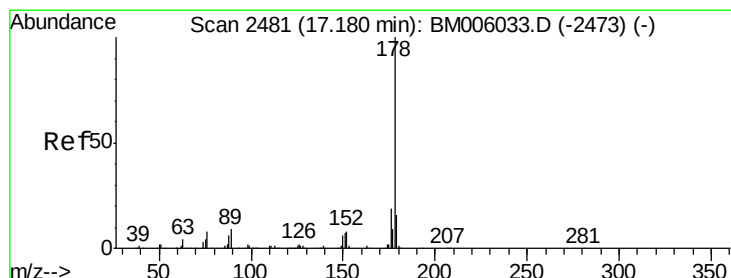
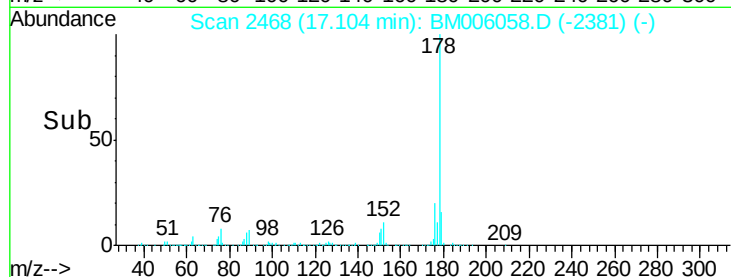
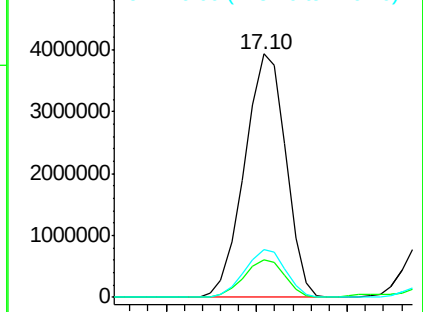
176 19.7 15.4 23.0

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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



#27

Anthracene

Concen: 14.00 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

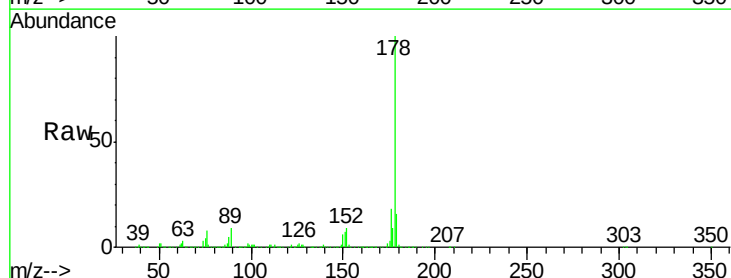
Tgt Ion:178 Resp: 1342690

Ion Ratio Lower Upper

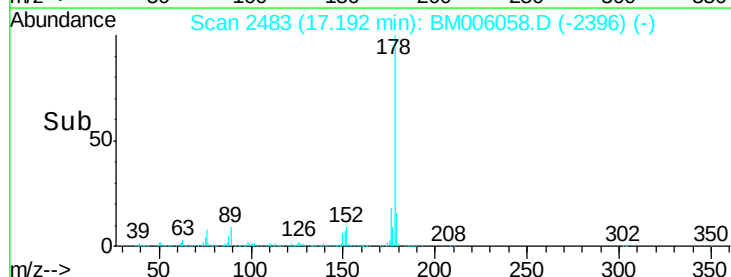
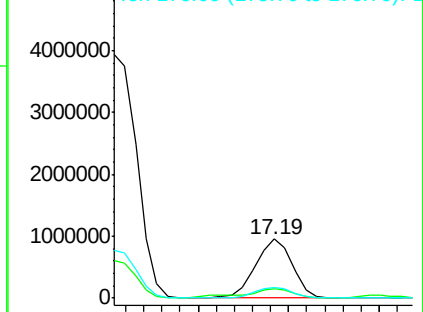
178 100

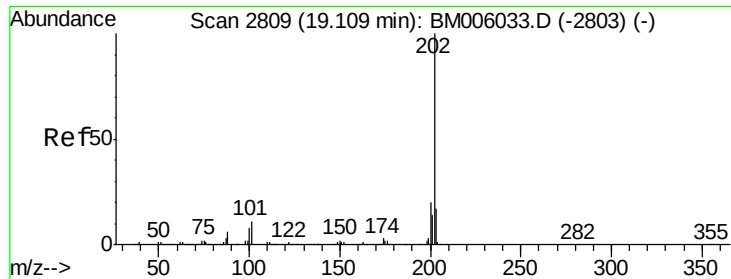
179 15.6 12.2 18.4

176 18.5 14.9 22.3



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





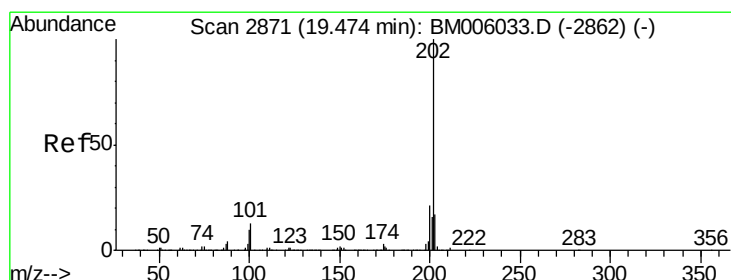
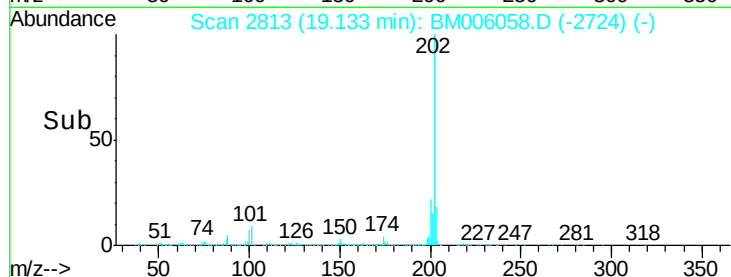
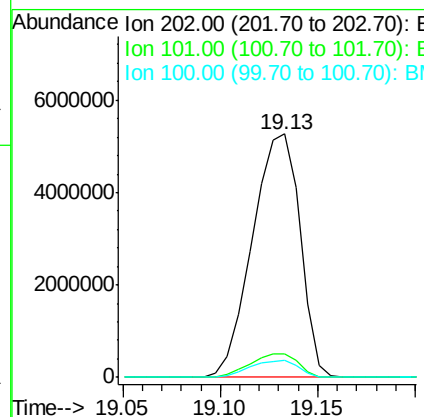
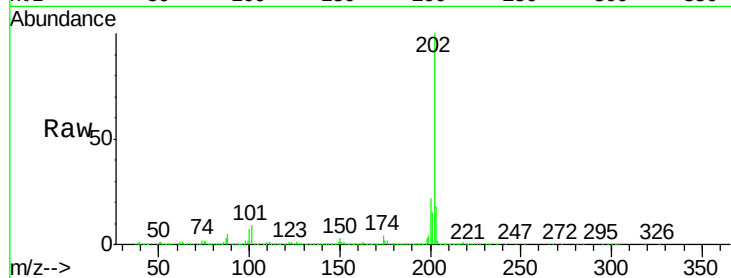
#28
Fluoranthene
Concen: 74.82 ng/ul
RT: 19.13 min Scan# 2813
Delta R.T. 0.02 min
Lab File: BM006058.D
Acq: 27 Jun 2016 02:23

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	8902211		
101	9.4	8.2	12.4	
100	6.9	6.3	9.5	

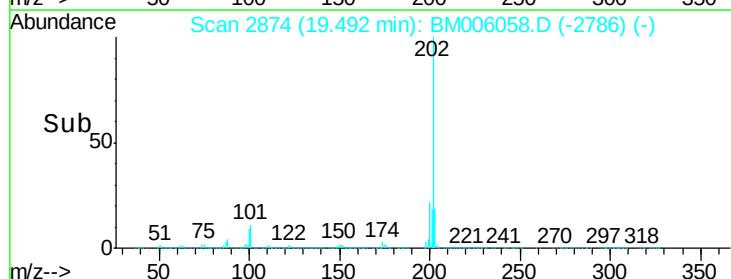
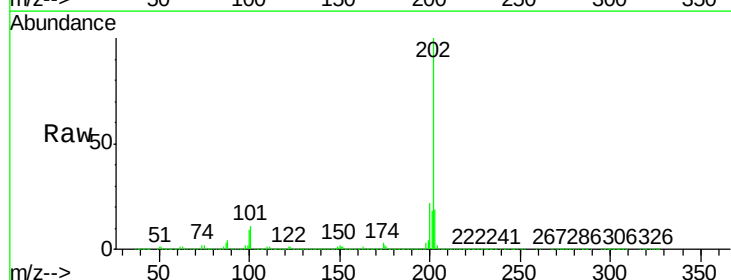
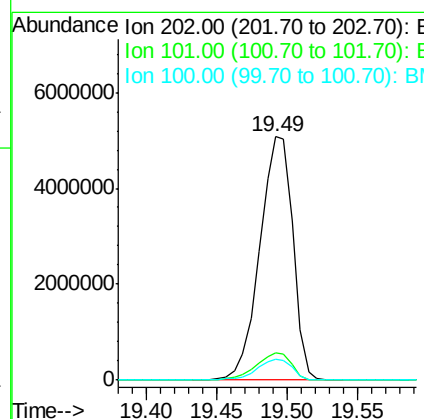
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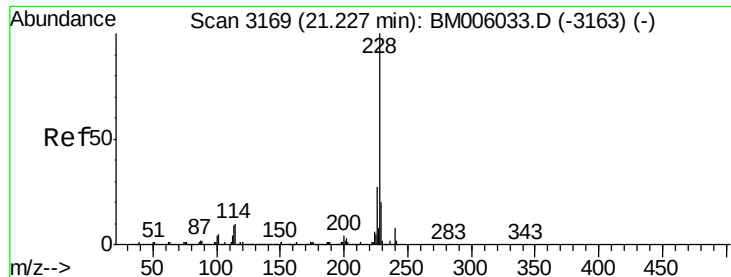
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#31
Pyrene
Concen: 113.59 ng/ul
RT: 19.49 min Scan# 2874
Delta R.T. 0.02 min
Lab File: BM006058.D
Acq: 27 Jun 2016 02:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	8350267		
101	11.2	9.8	14.6	
100	8.8	8.2	12.2	





#32

Benzo(a)anthracene

Concen: 41.90 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Instrument :

BNA_M

ClientSampleId :

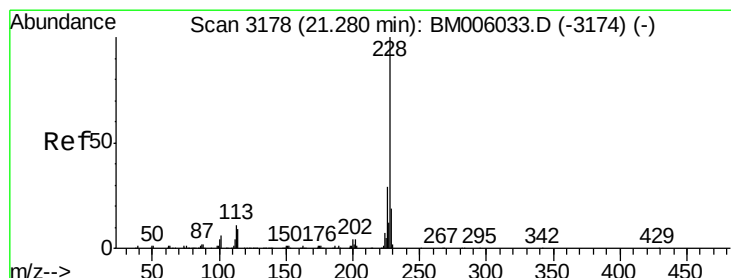
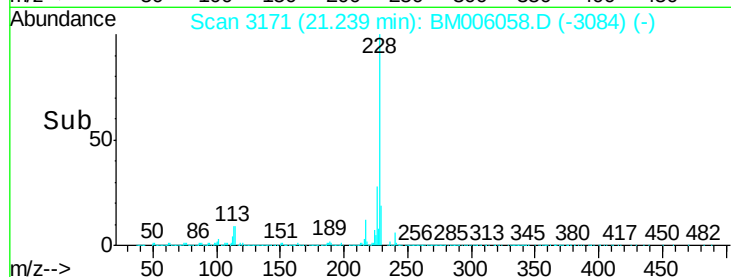
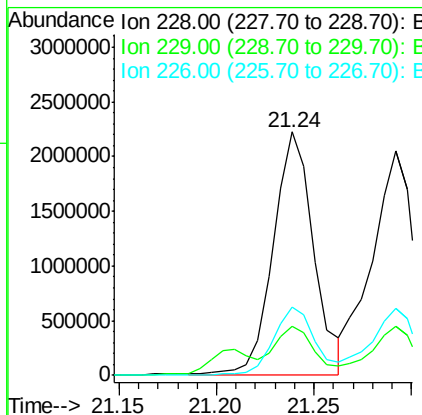
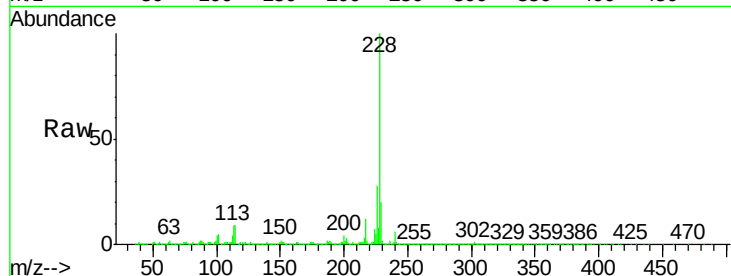
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Tgt Ion:	228	Resp:	3196044
Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.6
226	28.1	21.5	32.3



#33

Chrysene

Concen: 44.02 ng/ul

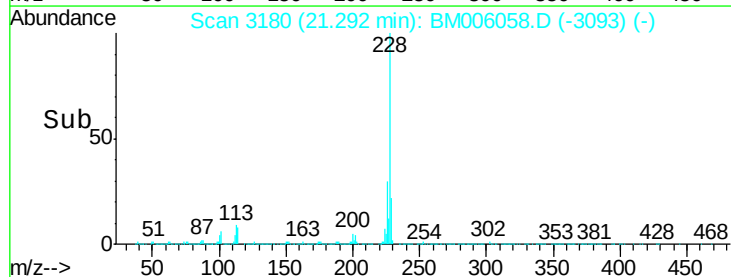
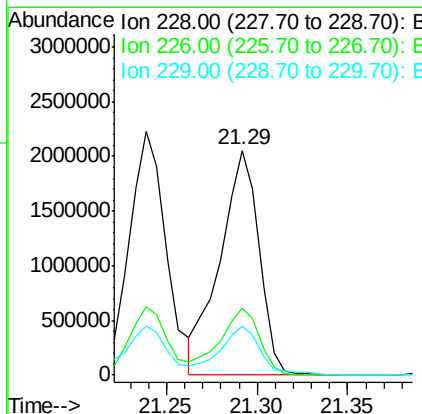
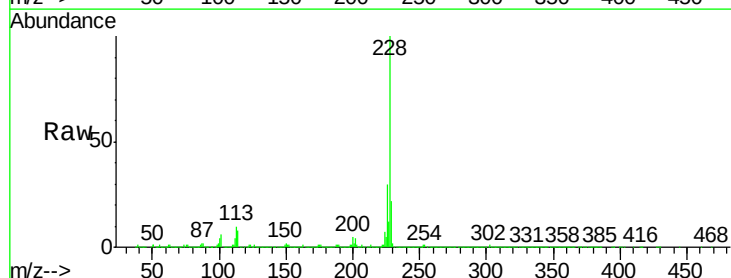
RT: 21.29 min Scan# 3180

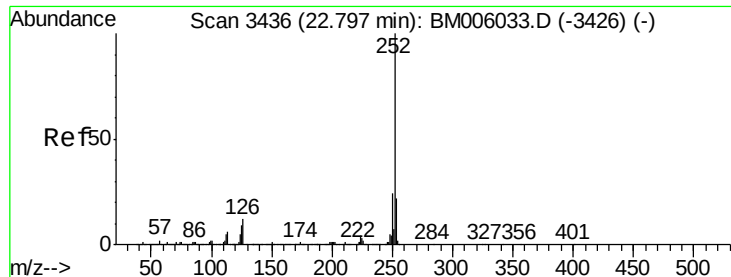
Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Tgt Ion:	228	Resp:	3067677
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	21.8	15.4	23.2





#35

Benzo(b)fluoranthene

Concen: 56.55 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. 0.02 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:252 Resp: 3943325

Ion Ratio Lower Upper

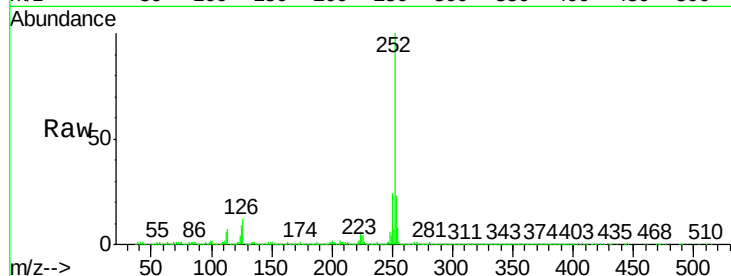
252 100

253 22.5 17.2 25.8

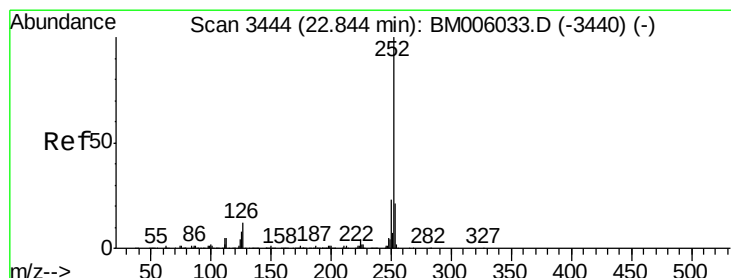
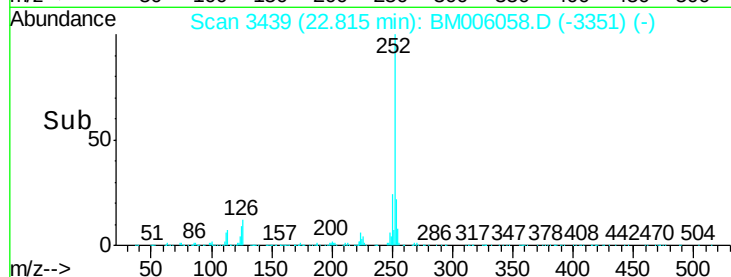
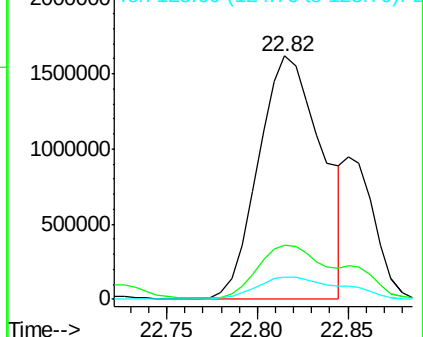
125 9.2 6.8 10.2

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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



#36

Benzo(k)fluoranthene

Concen: 16.81 ng/ul m

RT: 22.85 min Scan# 3445

Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

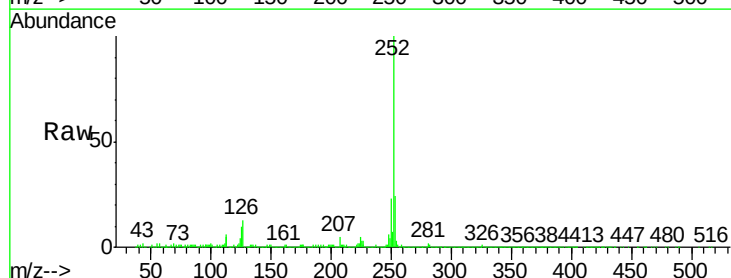
Tgt Ion:252 Resp: 1090179

Ion Ratio Lower Upper

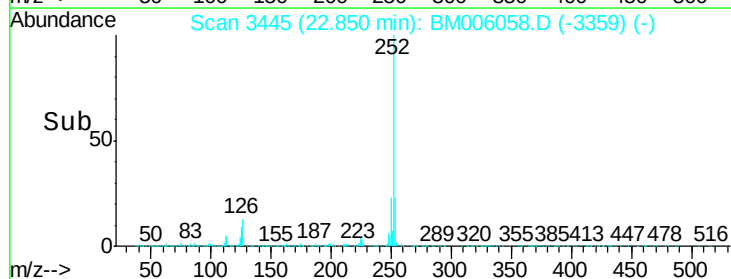
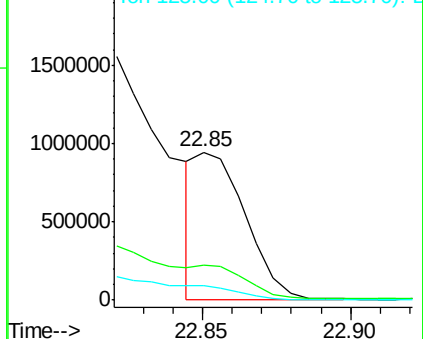
252 100

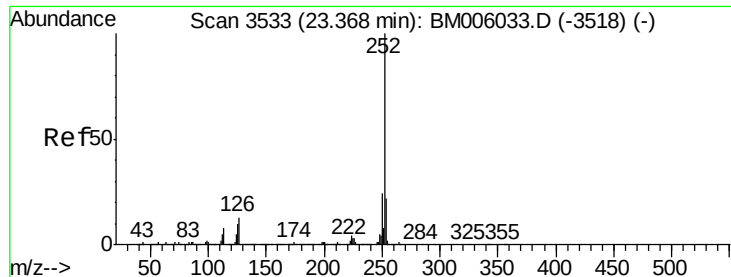
253 23.5 17.3 25.9

125 9.7 7.0 10.4



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





#38

Benzo(a)pyrene

Concen: 39.38 ng/ul

RT: 23.38 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BM006058.D

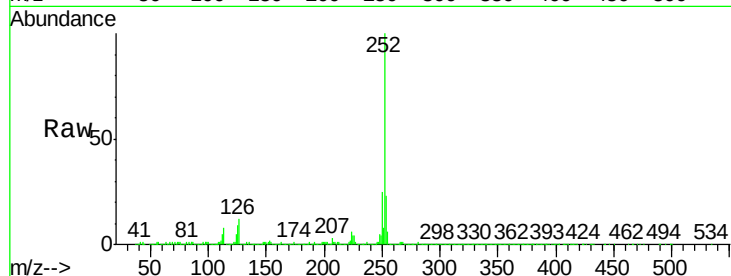
Acq: 27 Jun 2016 02:23

Instrument :

BNA_M

ClientSampleId :

D9YA5MSD



Tgt Ion:252 Resp: 2632686

Ion Ratio Lower Upper

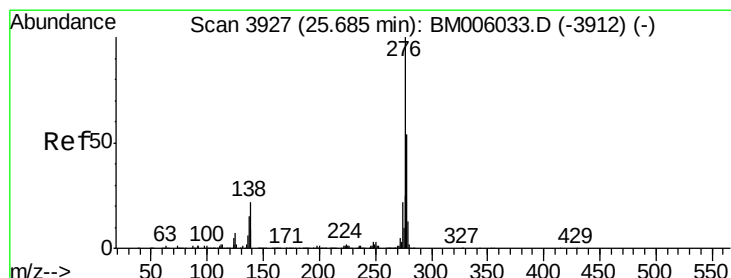
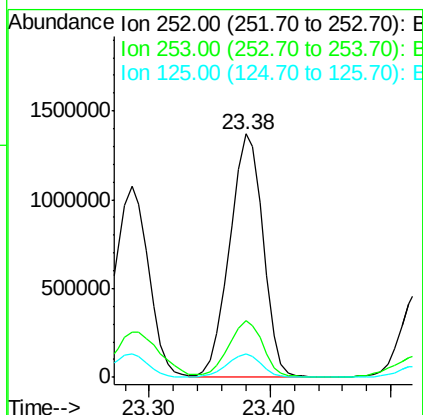
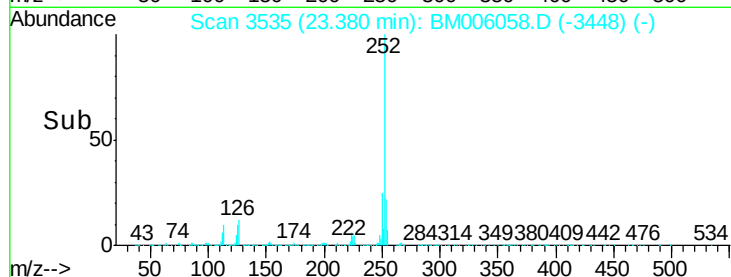
252 100

253 23.4 17.6 26.4

125 9.5 7.8 11.6

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:23 PM



#39

Indeno(1,2,3-cd)pyrene

Concen: 27.77 ng/ul

RT: 25.70 min Scan# 3930

Delta R.T. 0.02 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

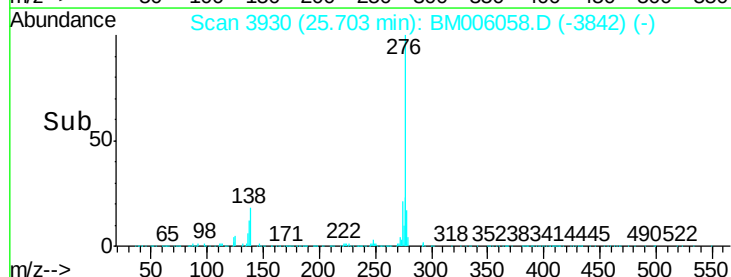
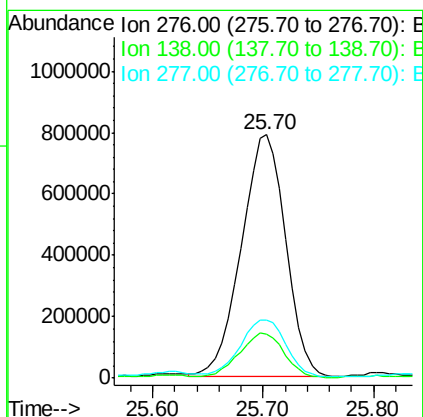
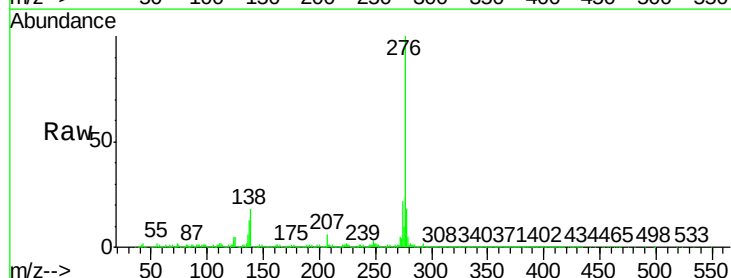
Tgt Ion:276 Resp: 2213737

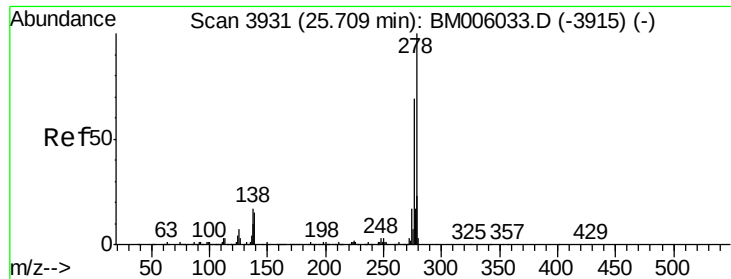
Ion Ratio Lower Upper

276 100

138 18.0 16.6 25.0

277 24.0 19.6 29.4





#40

Dibenzo(a,h)anthracene

Concen: 6.90 ng/ul m

RT: 25.70 min Scan# 3929

Delta R.T. -0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Instrument :

BNA_M

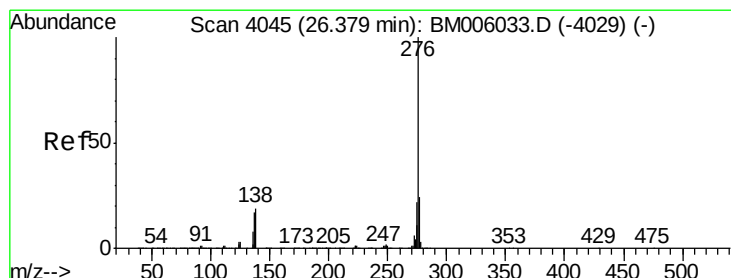
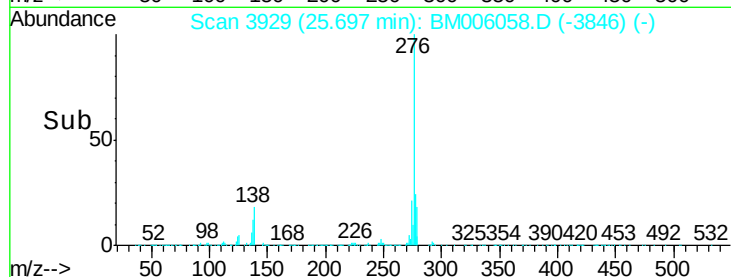
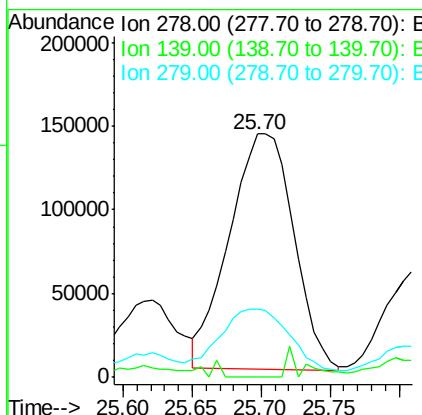
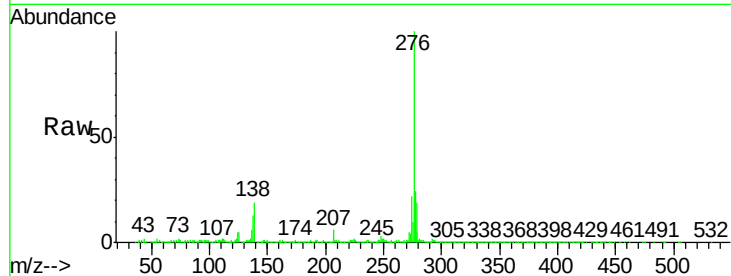
ClientSampleId :

D9YA5MSD

Tgt Ion:	278	Resp:	457524
Ion Ratio	Lower	Upper	
278	100		
139	0.0	11.4	17.2#
279	27.8	18.8	28.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:23 PM



#41

Benzo(g,h,i)perylene

Concen: 34.05 ng/ul

RT: 26.39 min Scan# 4046

Delta R.T. 0.01 min

Lab File: BM006058.D

Acq: 27 Jun 2016 02:23

Tgt Ion:	276	Resp:	2347250
Ion Ratio	Lower	Upper	
276	100		
138	19.5	15.9	23.9
277	24.6	19.2	28.8

