

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005687.D
 Acq On : 07 Jun 2016 01:48
 Operator : UM/SJ
 Sample : H3412-11 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT0

Quant Time: Jun 07 04:29:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	108881	20.00	ng/ul	0.00
7) Naphthalene-d8	10.56	136	426401	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.41	164	195807	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.16	188	381088	20.00	ng/ul	0.01
29) Chrysene-d12	21.34	240	333045	20.00	ng/ul	0.02
34) Perylene-d12	23.61	264	421649	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	1898	0.73	ng/uL	0.00
3) Phenol-d5	6.95	99	56584	5.91	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	7.10	67	44836	7.70	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	55099	6.98	ng/ul	0.01
6) 4-Methylphenol-d8	8.48	113	27219	3.60	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	25954	7.93	ng/ul	0.00
9) 2-Nitrophenol-d4	9.65	143	23264	6.64	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.19	165	43713	7.02	ng/ul	0.01
12) 4-Chloroaniline-d4	10.70	131	43403	5.87	ng/ul	0.01
16) Dimethylphthalate-d6	13.82	166	126387	8.40	ng/ul	0.00
17) Acenaphthylene-d8	14.10	160	162204	8.28	ng/ul	0.01
20) 4-Nitrophenol-d4	14.65	143	7057	3.27	ng/ul	0.03
21) Fluorene-d10	15.40	176	108769	8.41	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
26) Anthracene-d10	17.26	188	156960	8.67	ng/ul	0.01
30) Pyrene-d10	19.55	212	157439	9.41	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.47	264	166242	8.57	ng/ul	0.03

Target Compounds

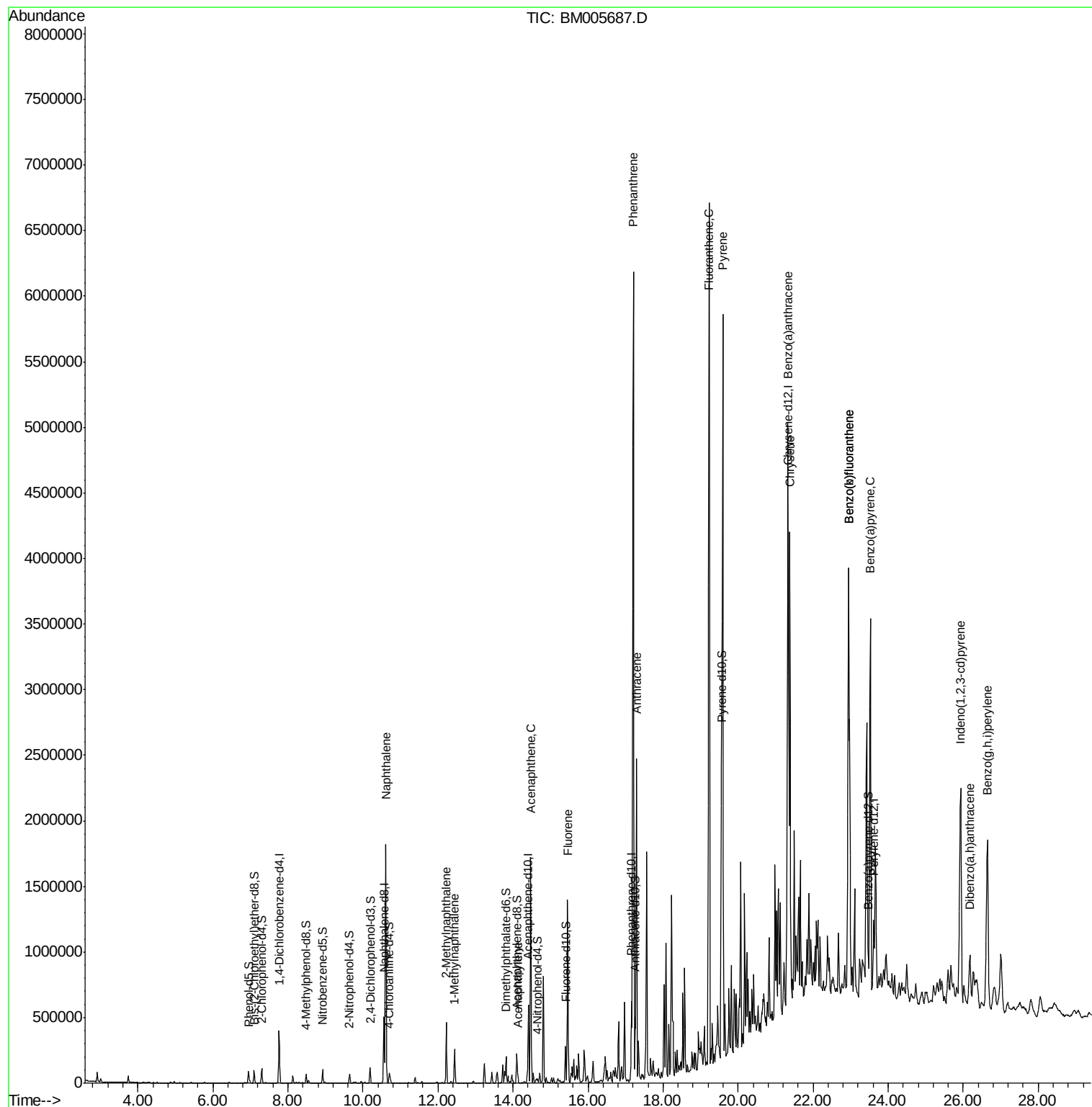
					Qvalue
11) Naphthalene	10.61	128	1508694	69.60	ng/ul 99
13) 2-Methylnaphthalene	12.22	142	224747	14.92	ng/ul 98
14) 1-Methylnaphthalene	12.44	142	125738	8.48	ng/ul# 97
18) Acenaphthylene	14.13	152	36183	1.79	ng/ul# 96
19) Acenaphthene	14.47	153	684721	52.07	ng/ul 95
22) Fluorene	15.46	166	624533	43.89	ng/ul 95
25) Phenanthrene	17.21	178	4545983	216.09	ng/ul 96
27) Anthracene	17.29	178	1495519	69.98	ng/ul 99
28) Fluoranthene	19.23	202	5232749	243.37	ng/ul 97
31) Pyrene	19.59	202	4417769	210.23	ng/ul 97
32) Benzo(a)anthracene	21.33	228	2491668	127.56	ng/ul 97
33) Chrysene	21.39	228	2252651	122.05	ng/ul 95
35) Benzo(b)fluoranthene	22.94	252	3278069	128.92	ng/ul 98
36) Benzo(k)fluoranthene	22.94	252	3278069	137.41	ng/ul 98
38) Benzo(a)pyrene	23.53	252	2359438	96.39	ng/ul 96
39) Indeno(1,2,3-cd)pyrene	25.93	276	1847077	63.78	ng/ul 98
40) Dibenzo(a,h)anthracene	26.18	278	369113	15.19	ng/ul 95
41) Benzo(g,h,i)perylene	26.65	276	1721255	70.85	ng/ul# 96

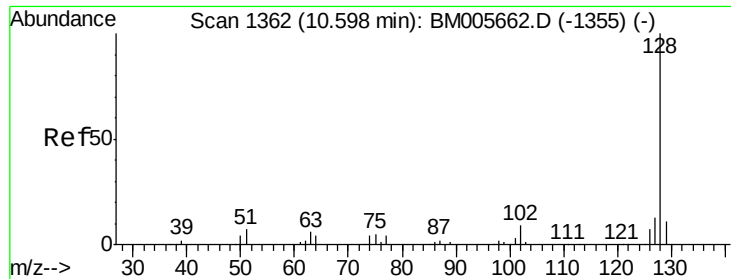
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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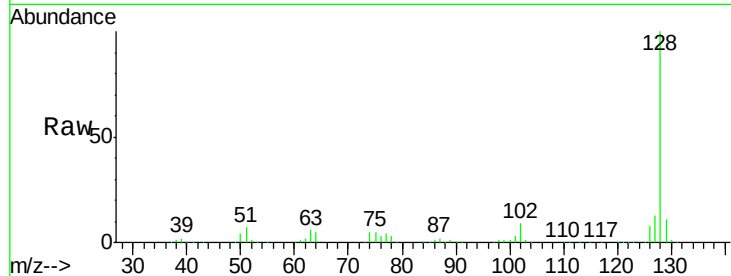




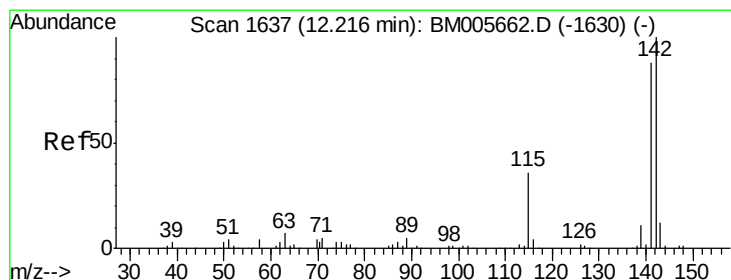
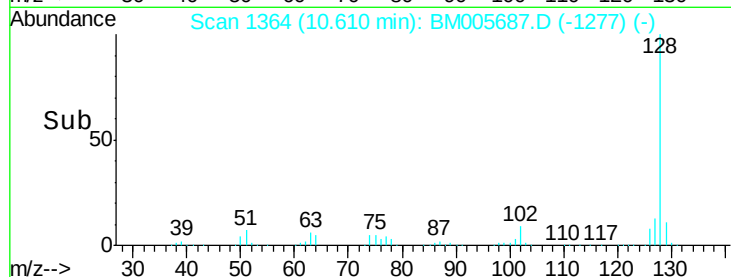
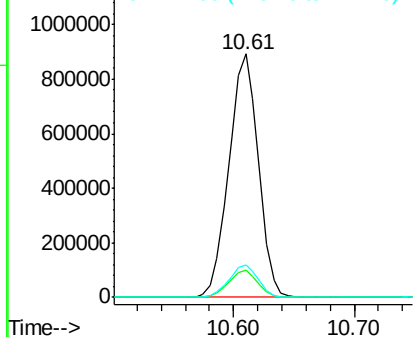
#11
Naphthalene
Concen: 69.60 ng/ul
RT: 10.61 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion:128 Resp: 1508694
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.1 10.8 16.2

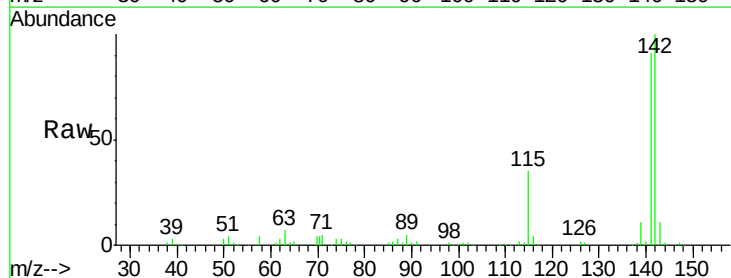


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

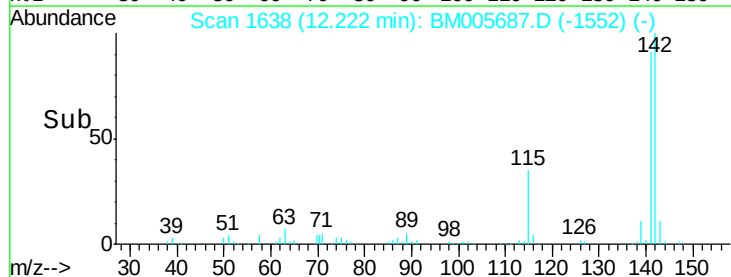
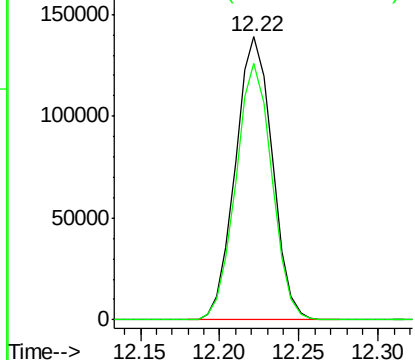


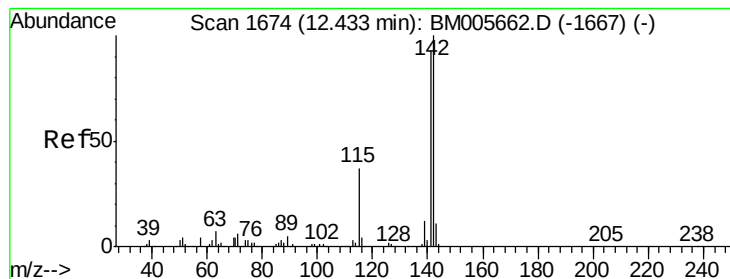
#13
2-Methylnaphthalene
Concen: 14.92 ng/ul
RT: 12.22 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion:142 Resp: 224747
Ion Ratio Lower Upper
142 100
141 90.5 71.3 106.9



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





#14

1-Methylnaphthalene

Concen: 8.48 ng/ul

RT: 12.44 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Instrument :

BNA_M

ClientSampleId :

D9XT0

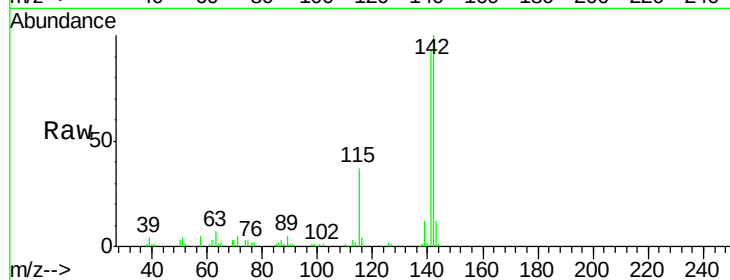
Tgt Ion:142 Resp: 125738

Ion Ratio Lower Upper

142 100

141 93.0 77.0 115.4

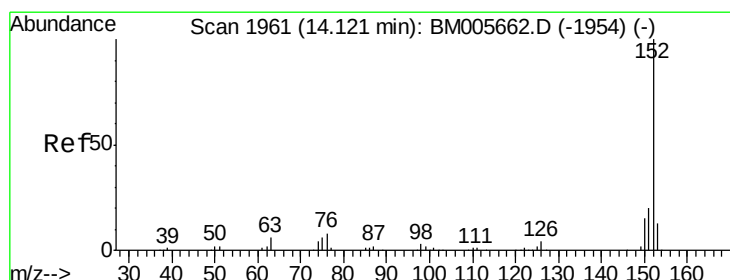
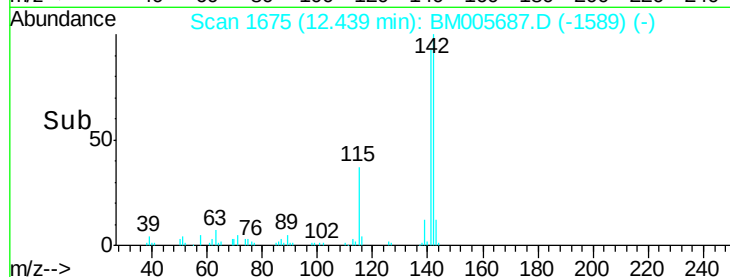
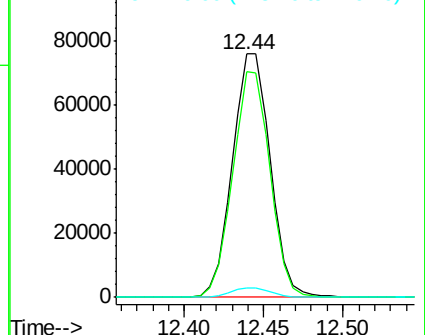
116 4.1 4.2 6.4#



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



#18

Acenaphthylene

Concen: 1.79 ng/ul

RT: 14.13 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

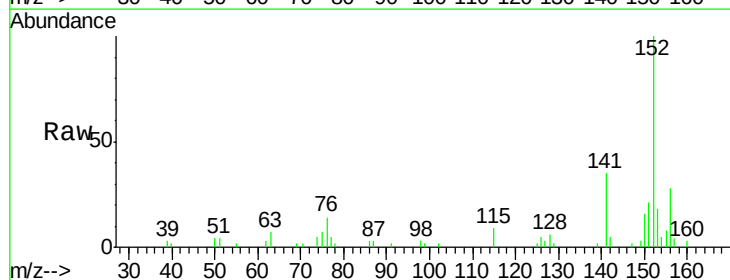
Tgt Ion:152 Resp: 36183

Ion Ratio Lower Upper

152 100

151 21.3 17.3 25.9

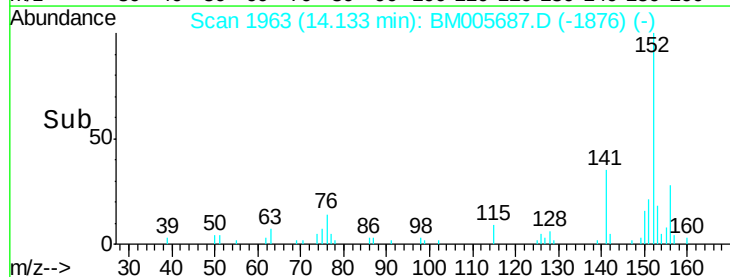
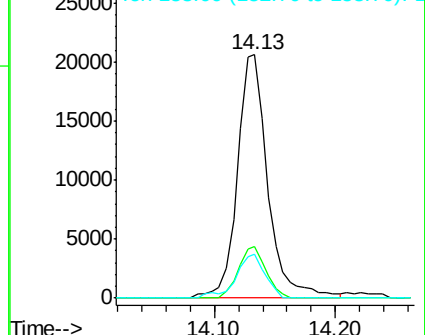
153 17.9 11.1 16.7#

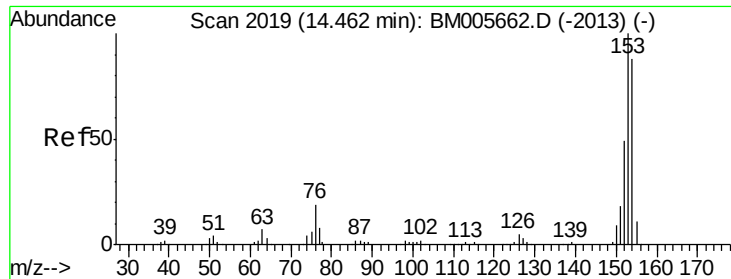


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

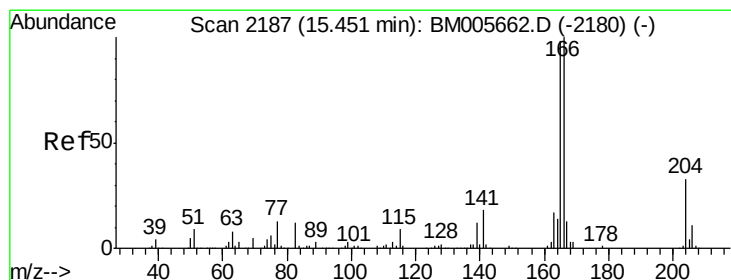
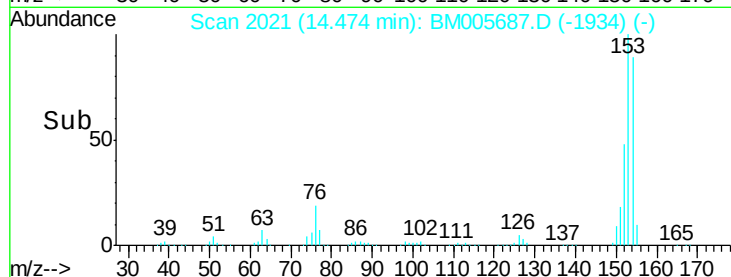
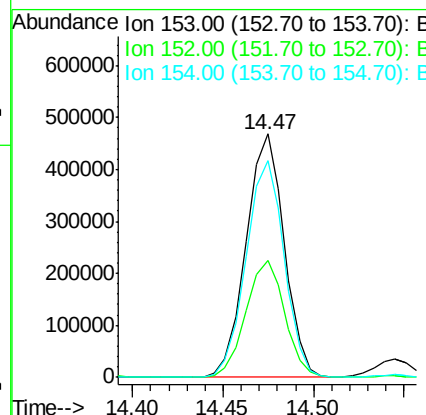
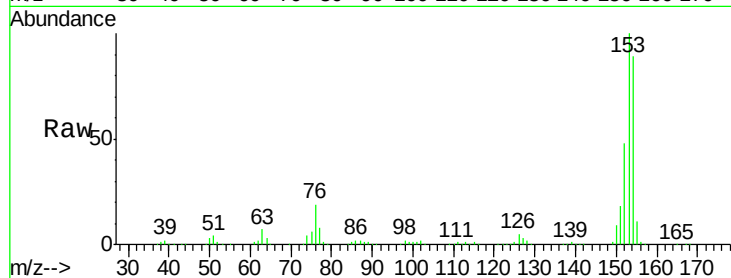




#19
Acenaphthene
Concen: 52.07 ng/ul
RT: 14.47 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

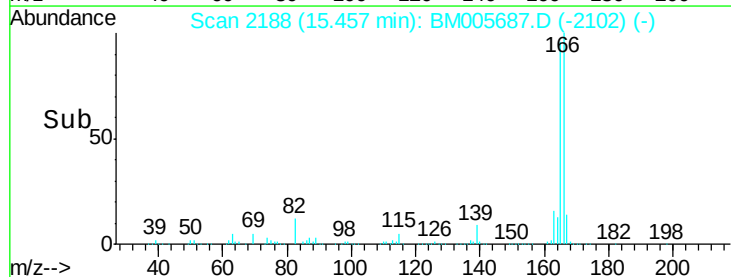
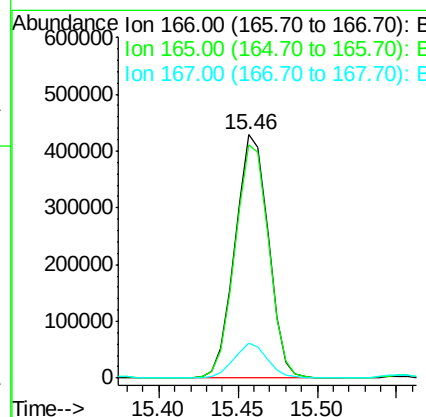
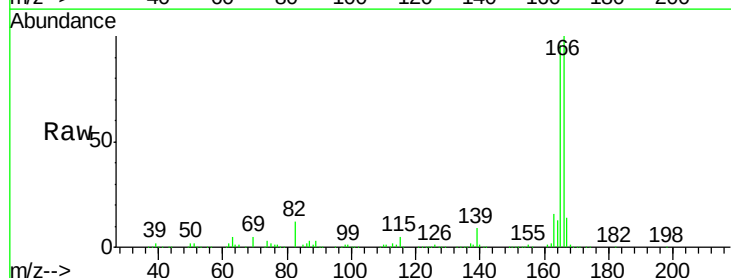
Instrument :
BNA_M
ClientSampleId :
D9XT0

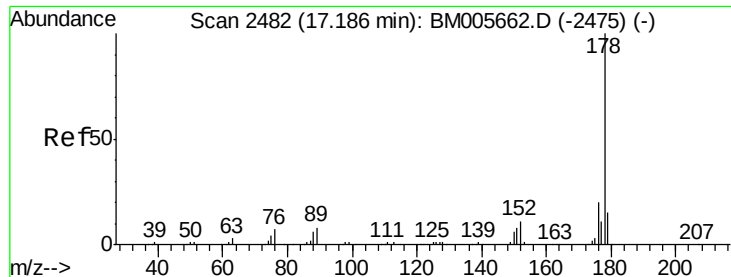
Tgt Ion:153 Resp: 684721
Ion Ratio Lower Upper
153 100
152 47.8 36.5 54.7
154 89.2 67.3 100.9



#22
Fluorene
Concen: 43.89 ng/ul
RT: 15.46 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion:166 Resp: 624533
Ion Ratio Lower Upper
166 100
165 96.1 81.1 121.7
167 14.3 10.6 16.0





#25

Phenanthrene

Concen: 216.09 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.02 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Instrument :

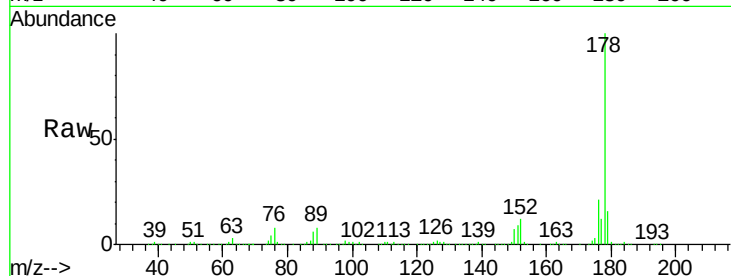
BNA_M

ClientSampleId :

D9XT0

Tgt Ion:178 Resp: 4545983

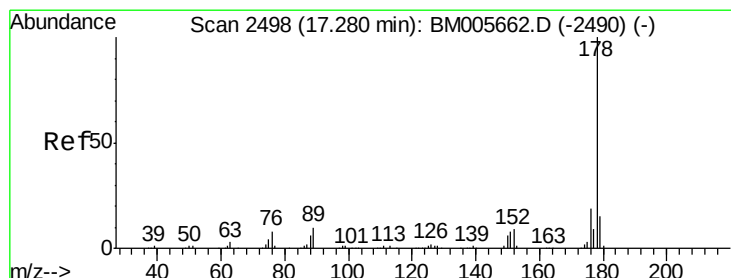
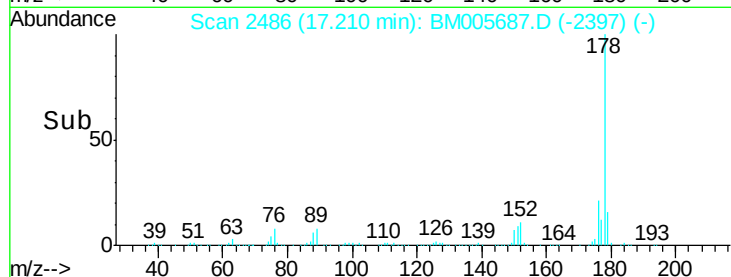
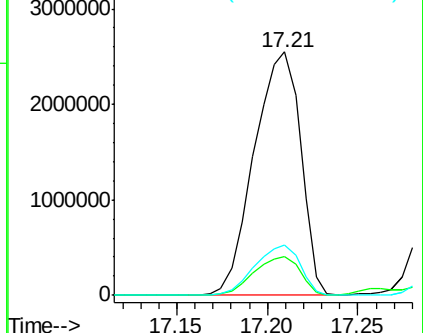
Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.8	17.8
176	20.6	14.8	22.2



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: 69.98 ng/ul

RT: 17.29 min Scan# 2500

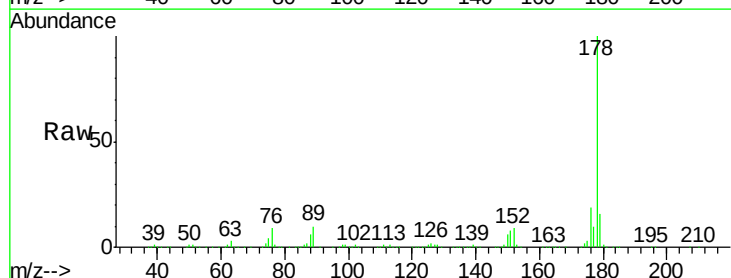
Delta R.T. 0.01 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Tgt Ion:178 Resp: 1495519

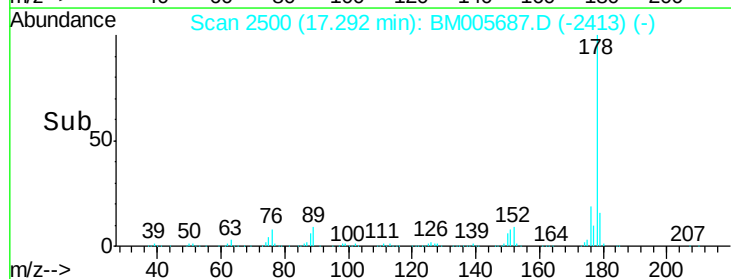
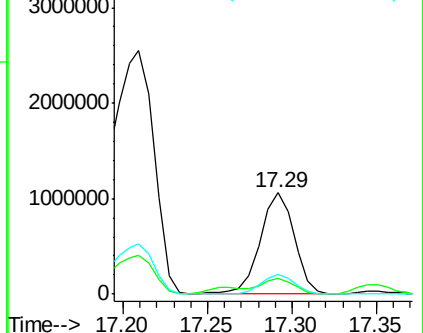
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.9	19.3
176	19.0	15.6	23.4

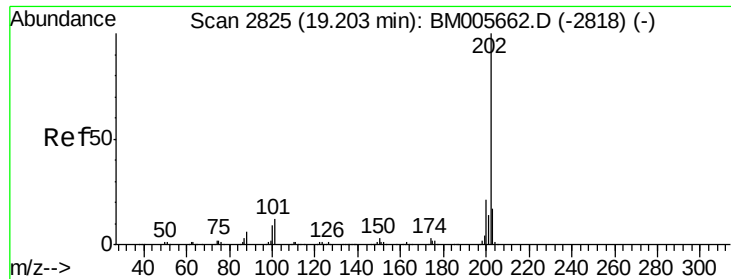


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

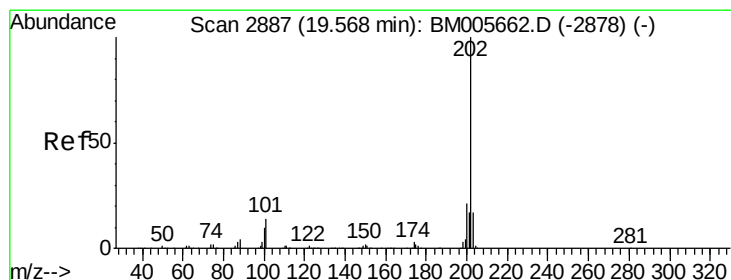
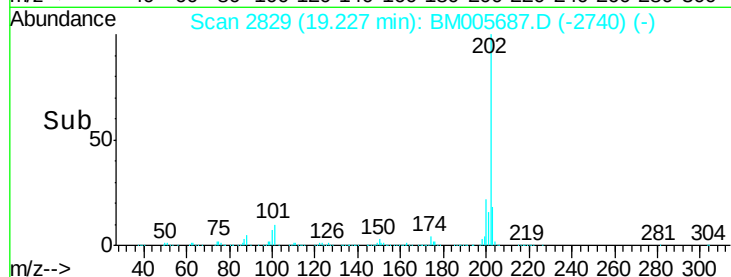
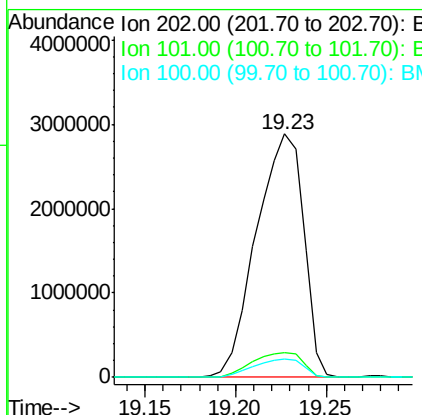
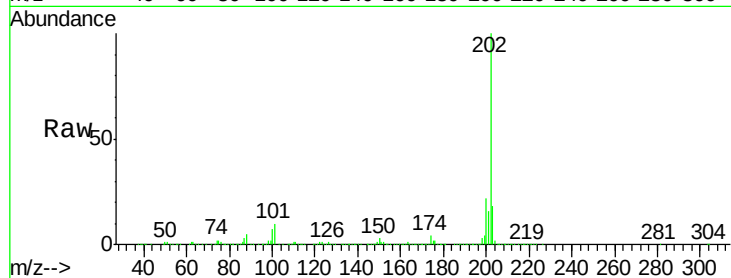




#28
Fluoranthene
Concen: 243.37 ng/ul
RT: 19.23 min Scan# 2829
Delta R.T. 0.02 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

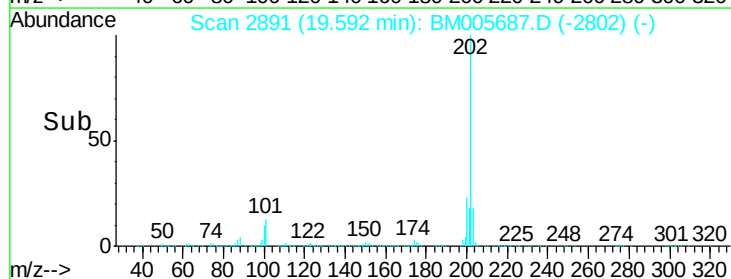
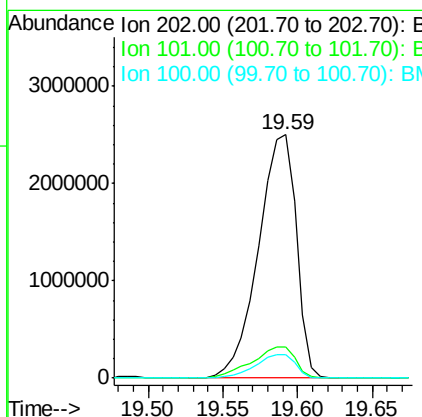
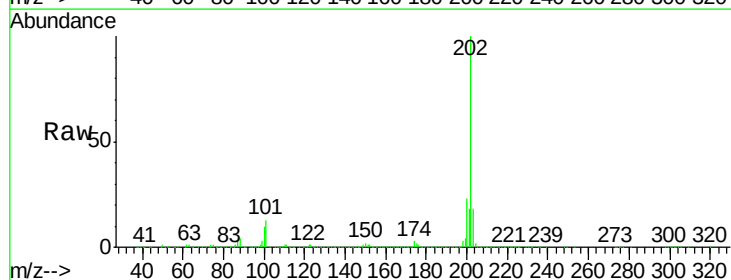
Instrument :
BNA_M
ClientSampleId :
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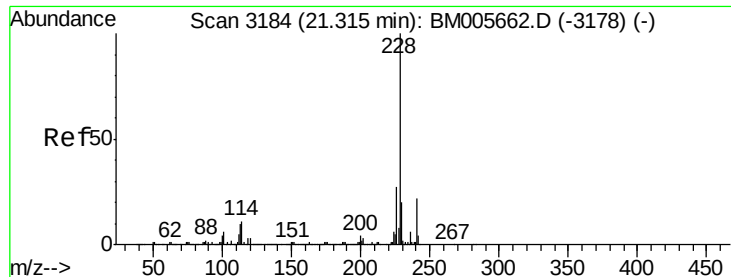
Tgt Ion:202 Resp: 5232749
Ion Ratio Lower Upper
202 100
101 10.2 8.9 13.3
100 7.3 7.0 10.4



#31
Pyrene
Concen: 210.23 ng/ul
RT: 19.59 min Scan# 2891
Delta R.T. 0.02 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion:202 Resp: 4417769
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.8
100 9.7 9.3 13.9





#32

Benzo(a)anthracene

Concen: 127.56 ng/ul

RT: 21.33 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

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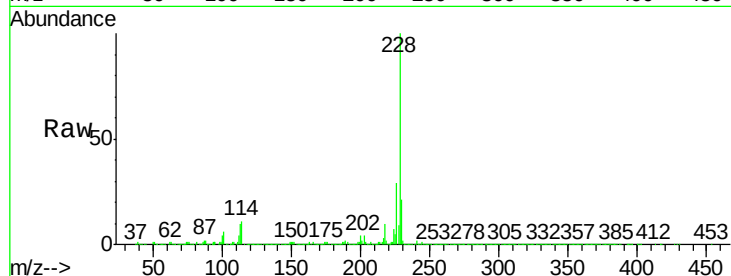
Tgt Ion:228 Resp: 2491668

Ion Ratio Lower Upper

228 100

229 21.0 16.6 25.0

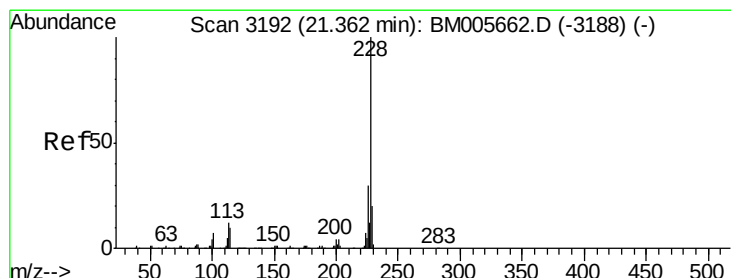
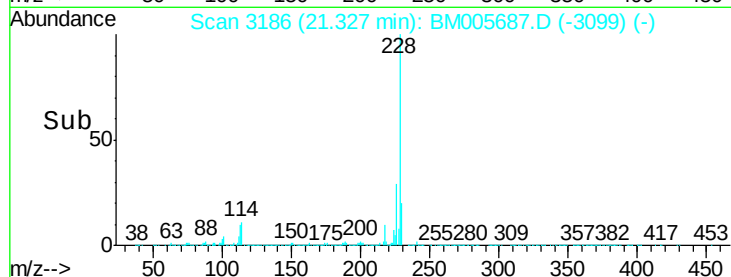
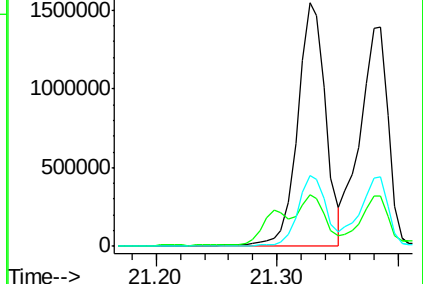
226 29.1 21.0 31.4



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



#33

Chrysene

Concen: 122.05 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.02 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

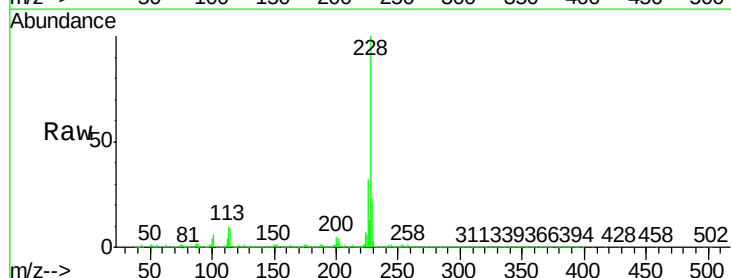
Tgt Ion:228 Resp: 2252651

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.2

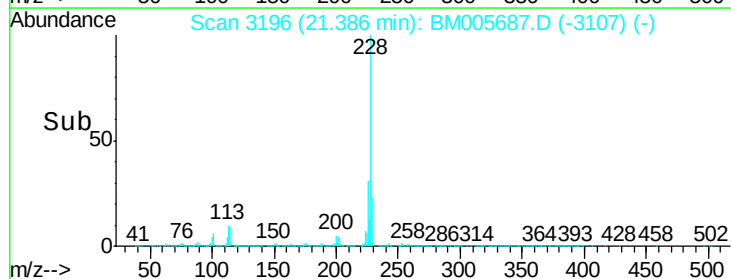
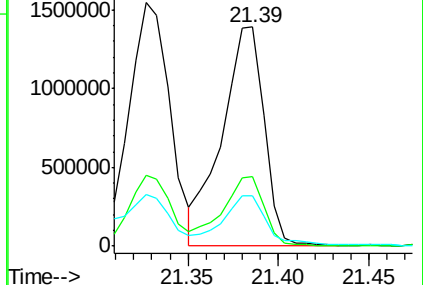
229 23.2 16.2 24.2

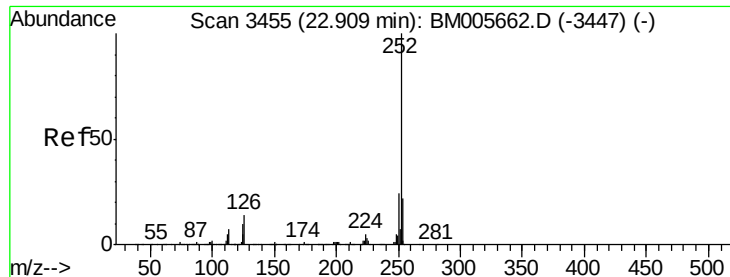


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 128.92 ng/ul

RT: 22.94 min Scan# 3461

Delta R.T. 0.04 min

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Acq: 07 Jun 2016 01:48

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ClientSampleId :

D9XT0

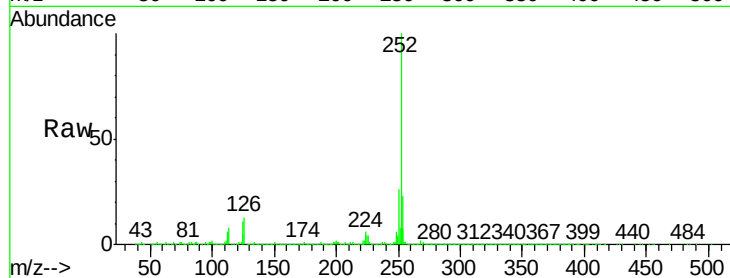
Tgt Ion:252 Resp: 3278069

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

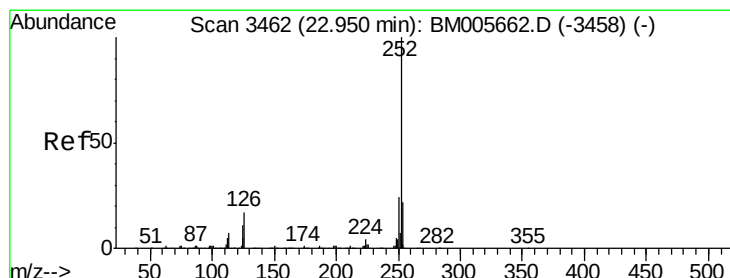
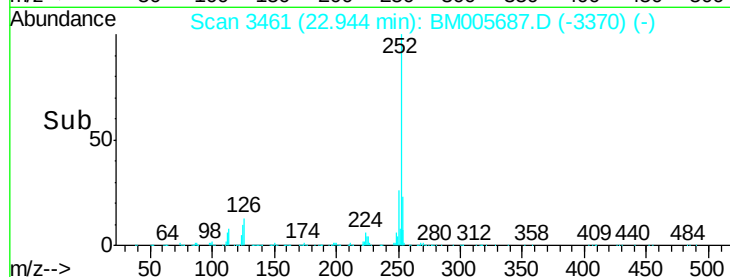
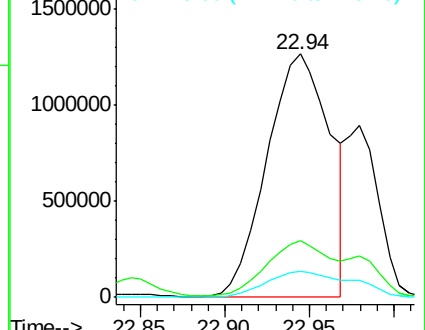
125 10.6 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 137.41 ng/ul

RT: 22.94 min Scan# 3461

Delta R.T. -0.01 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

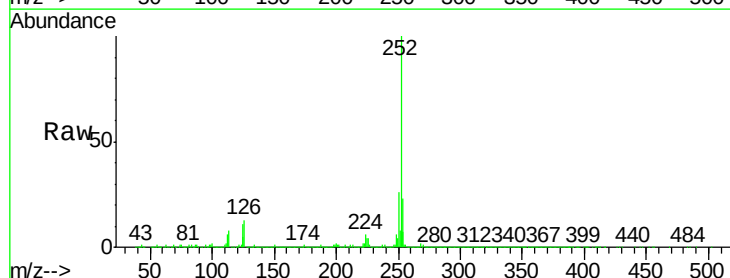
Tgt Ion:252 Resp: 3278069

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

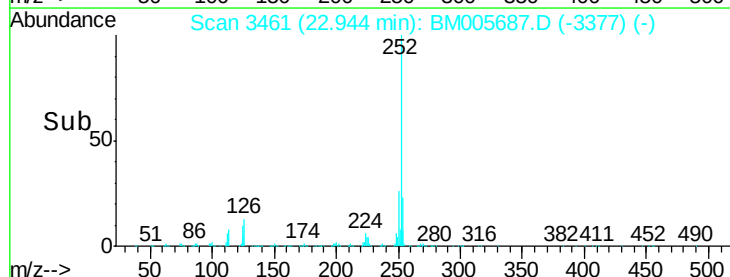
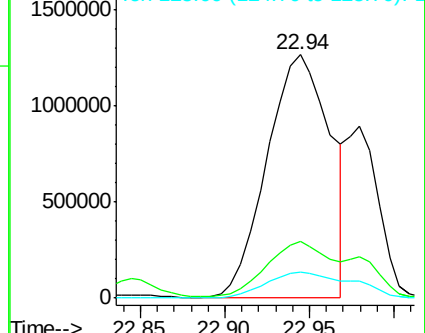
125 10.6 7.7 11.5

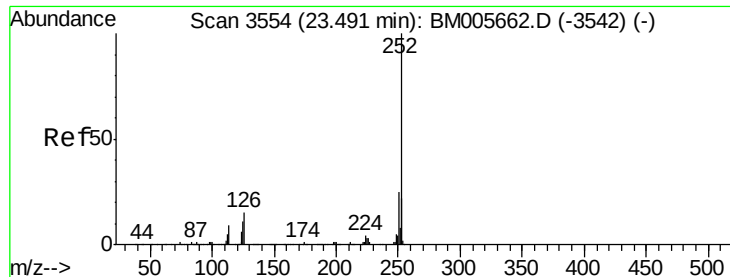


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 96.39 ng/ul

RT: 23.53 min Scan# 3560

Delta R.T. 0.04 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

Instrument :

BNA_M

ClientSampleId :

D9XT0

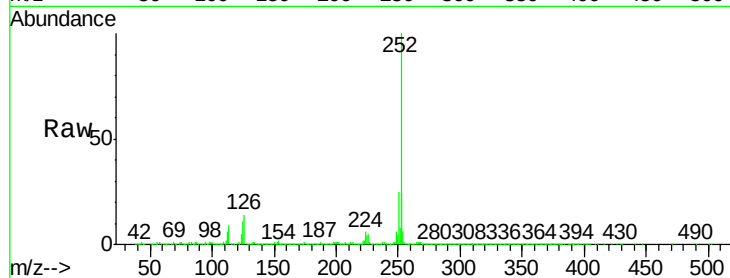
Tgt Ion:252 Resp: 2359438

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

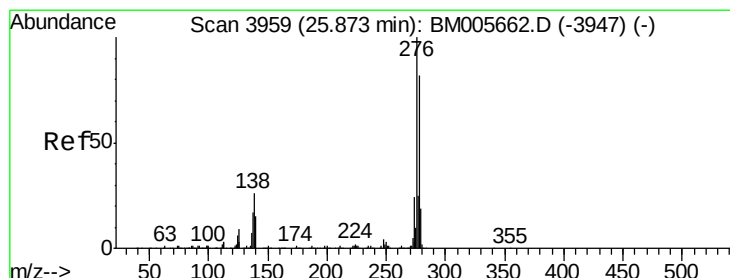
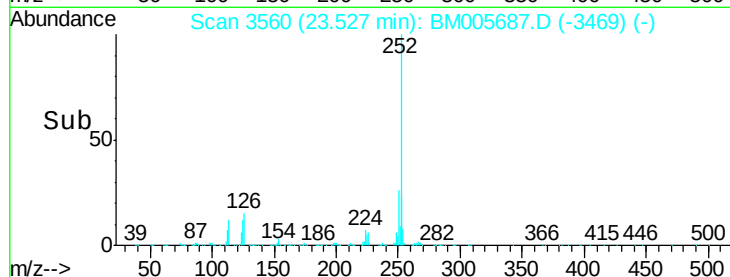
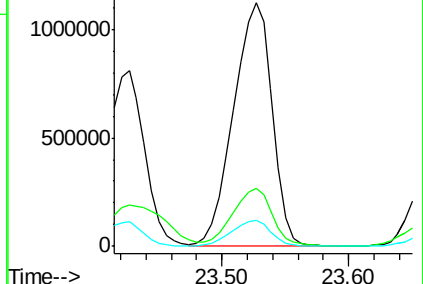
125 10.8 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 63.78 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. 0.06 min

Lab File: BM005687.D

Acq: 07 Jun 2016 01:48

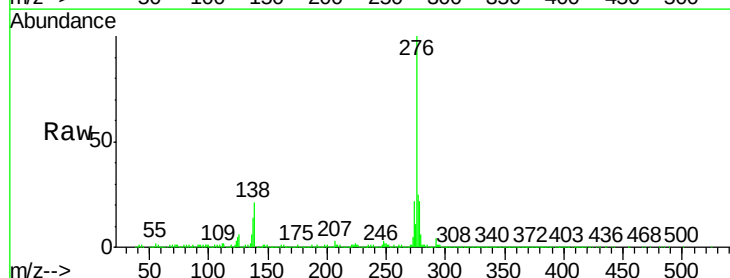
Tgt Ion:276 Resp: 1847077

Ion Ratio Lower Upper

276 100

138 20.6 15.8 23.6

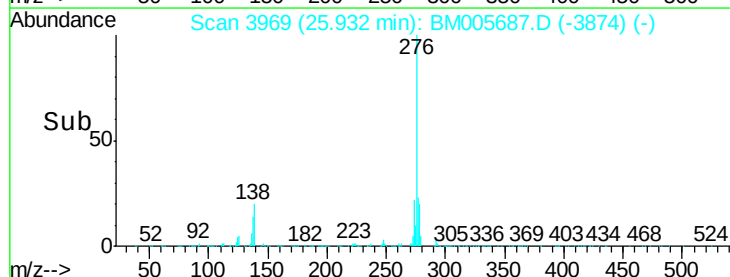
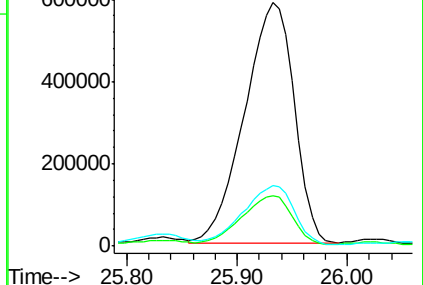
277 24.8 19.0 28.6

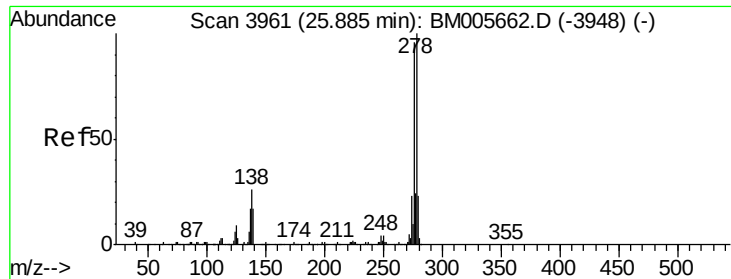


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

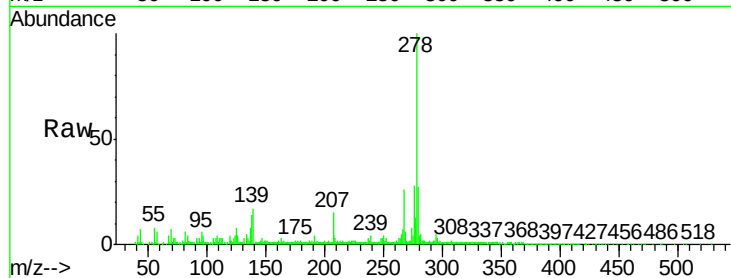




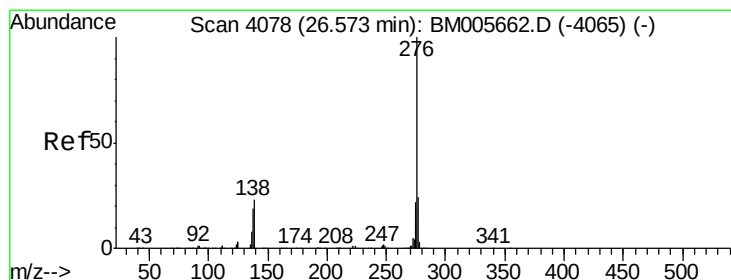
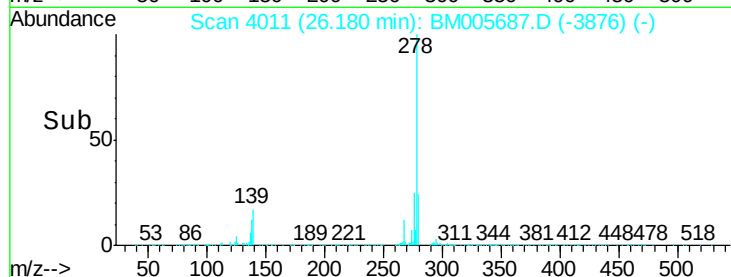
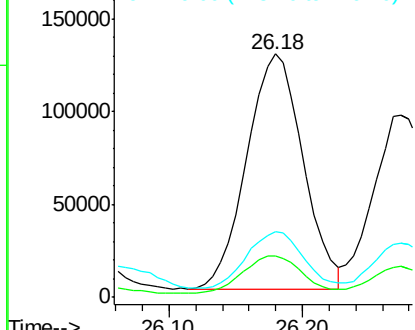
#40
Dibenzo(a,h)anthracene
Concen: 15.19 ng/ul
RT: 26.18 min Scan# 4011
Delta R.T. 0.29 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Instrument :
BNA_M
ClientSampleId :
D9XT0

Tgt Ion:278 Resp: 369113
Ion Ratio Lower Upper
278 100
139 17.2 12.1 18.1
279 27.2 19.8 29.8

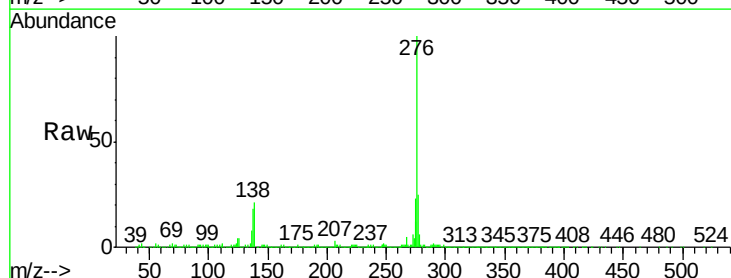


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#41
Benzo(g,h,i)perylene
Concen: 70.85 ng/ul
RT: 26.65 min Scan# 4091
Delta R.T. 0.08 min
Lab File: BM005687.D
Acq: 07 Jun 2016 01:48

Tgt Ion:276 Resp: 1721255
Ion Ratio Lower Upper
276 100
138 21.2 13.9 20.9#
277 25.3 19.8 29.6



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

