

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
 Data File : BM007447.D
 Acq On : 07 Sep 2016 20:06
 Operator : UM/SJ
 Sample : H4666-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3A7

Quant Time: Sep 08 03:12:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 08 03:10:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	216243	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1096268	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	769089	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1952353	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2483086	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	2314356	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	8011	1.89	ng/uL	0.00
5) Phenol-d5	6.96	99	254868	12.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	183684	17.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	220606	14.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	164020	9.21	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	133047	16.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	137406	14.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	254641	13.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	5663	0.24	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	978298	14.74	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1360984	17.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	24833	1.98	ng/ul	0.00
57) Fluorene-d10	15.42	176	1051570	18.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	98103	7.99	ng/ul	0.00
70) Anthracene-d10	17.26	188	1660813	18.21	ng/ul	0.00
76) Pyrene-d10	19.56	212	2138668	20.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	1782387	16.72	ng/ul	0.00

Target Compounds

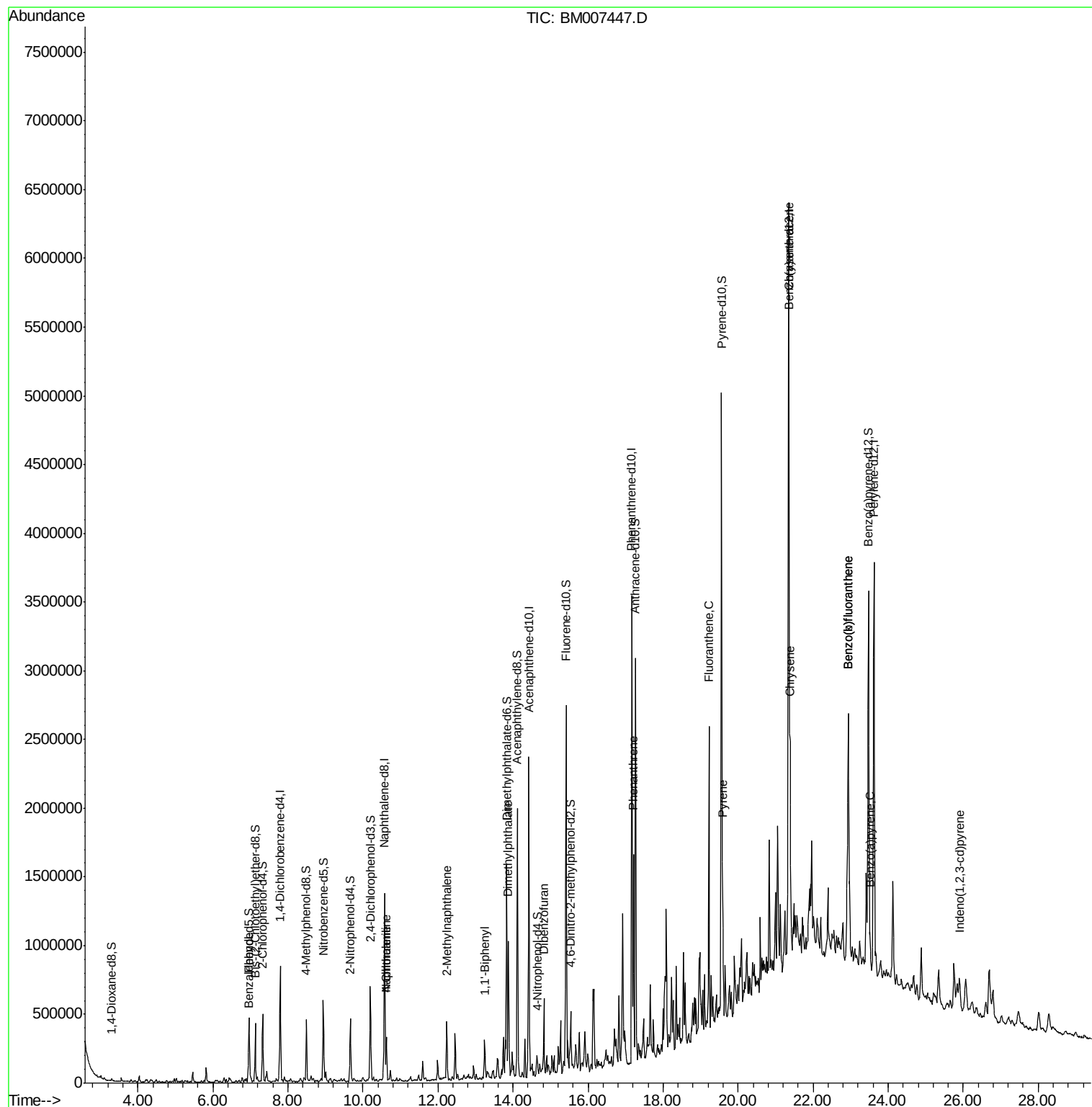
					Qvalue
4) Benzaldehyde	6.94	77	16609	1.43 ng/ul#	86
28) Naphthalene	10.63	128	247072	4.53 ng/ul	98
30) 4-Chloroaniline	10.62	127	32390	1.35 ng/ul#	1
34) 2-Methylnaphthalene	12.24	142	202631	4.54 ng/ul	99
40) 1,1'-Biphenyl	13.25	154	63741	1.07 ng/ul	95
44) Dimethylphthalate	13.87	163	604417	9.15 ng/ul	99
53) Dibenzofuran	14.82	168	243830	3.16 ng/ul	98
69) Phenanthrene	17.21	178	913053	8.71 ng/ul	100
74) Fluoranthene	19.22	202	1111603	8.45 ng/ul	99
77) Pyrene	19.59	202	638475	4.79 ng/ul	99
80) Benzo(a)anthracene	21.36	228	747842	5.11 ng/ul	92
82) Chrysene	21.39	228	642344	4.84 ng/ul	98
85) Benzo(b)fluoranthene	22.93	252	1493430	10.91 ng/ul	99
86) Benzo(k)fluoranthene	22.93	252	1493430	11.81 ng/ul	99
88) Benzo(a)pyrene	23.52	252	192310	1.47 ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.90	276	189150	1.18 ng/ul	98

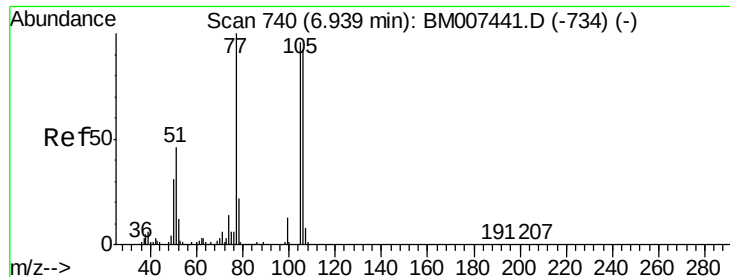
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 08 03:10:54 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.43 ng/ul

RT: 6.94 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

Instrument :

BNA_M

ClientSampleId :

BD3A7

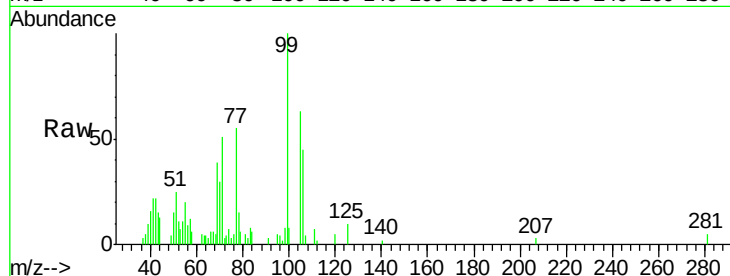
Tgt Ion: 77 Resp: 16609

Ion Ratio Lower Upper

77 100

105 116.2 76.9 115.3#

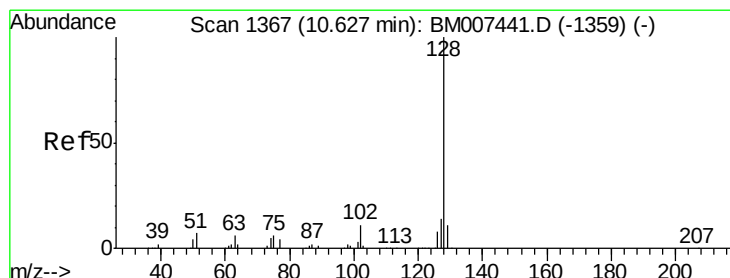
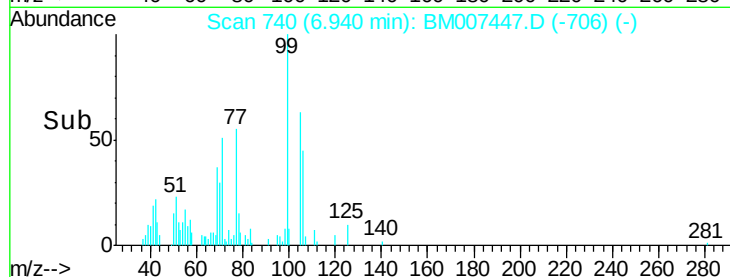
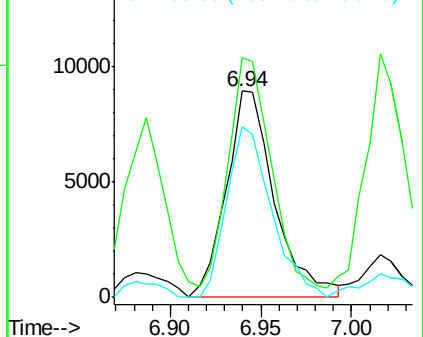
106 82.5 71.8 107.8



Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#28

Naphthalene

Concen: 4.53 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

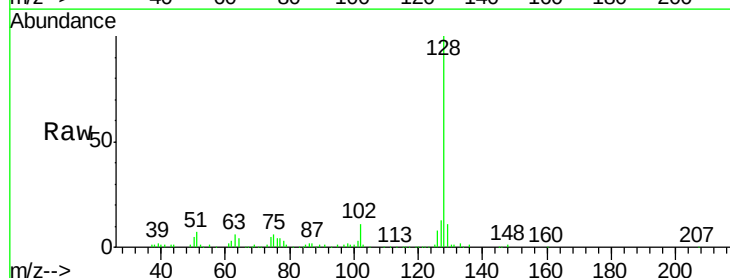
Tgt Ion: 128 Resp: 247072

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

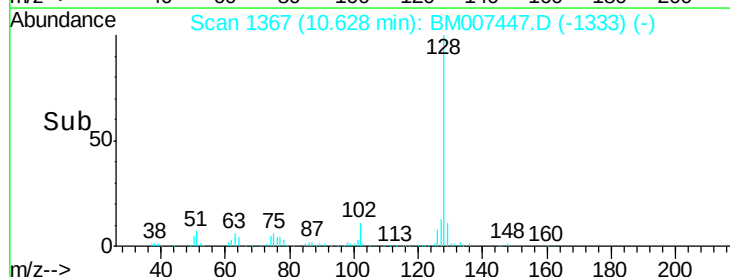
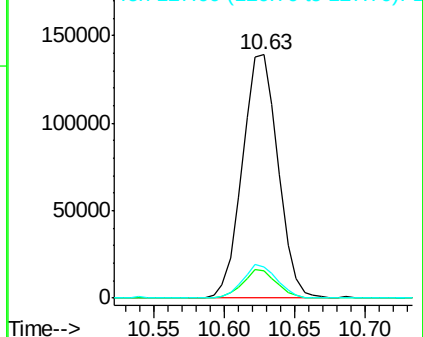
127 12.7 10.6 15.8

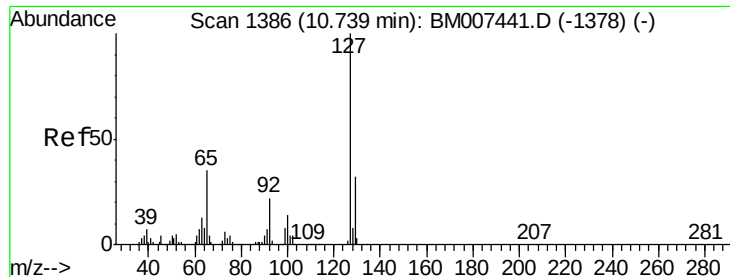


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

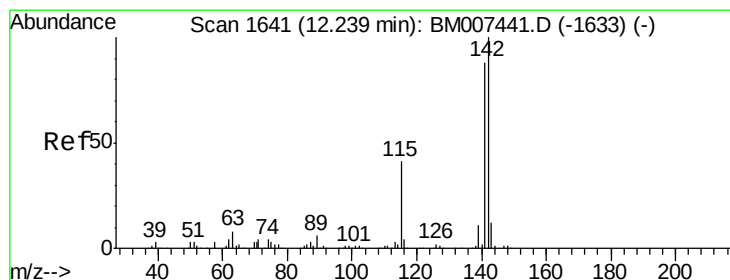
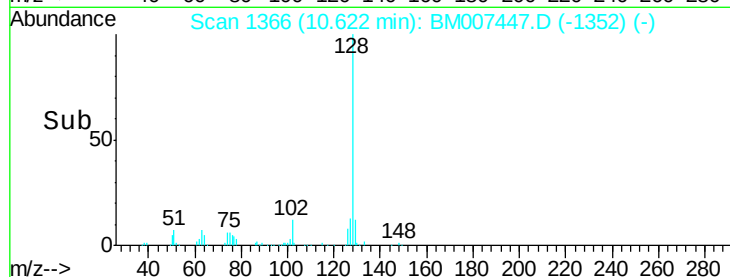
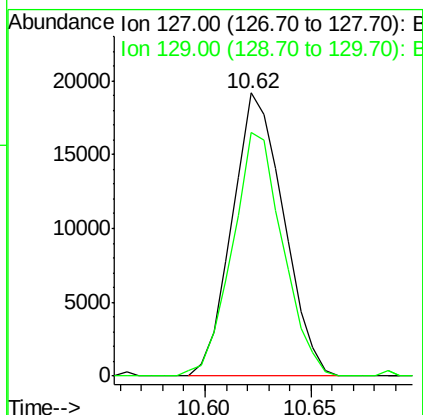
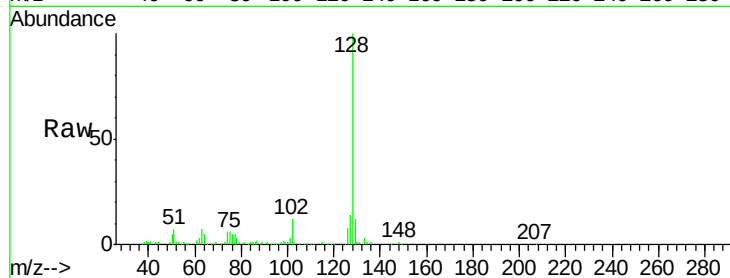




#30
4-Chloroaniline
Concen: 1.35 ng/ul
RT: 10.62 min Scan# 1366
Delta R.T. -0.12 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

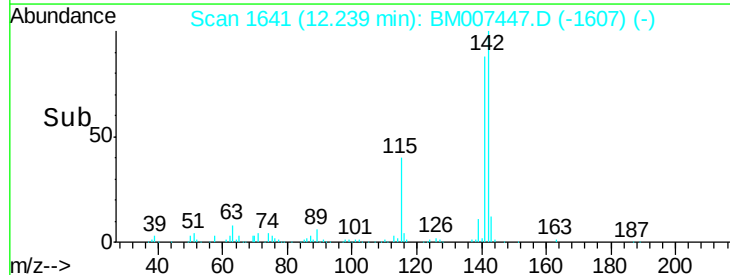
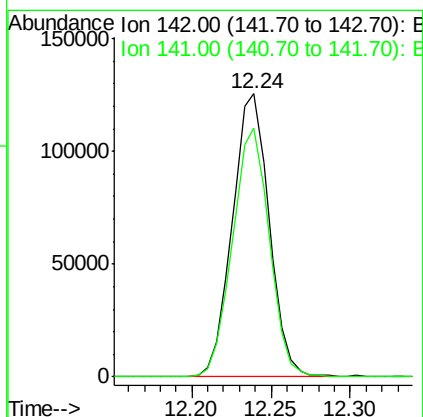
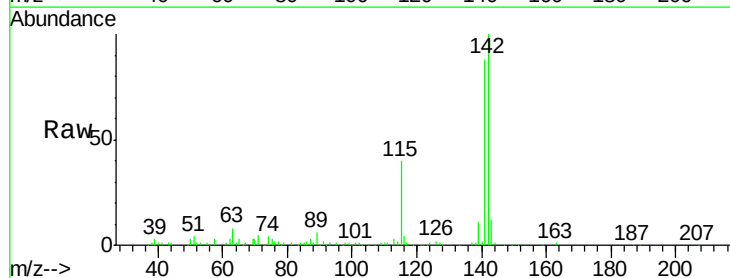
Instrument :
BNA_M
ClientSampleId :
BD3A7

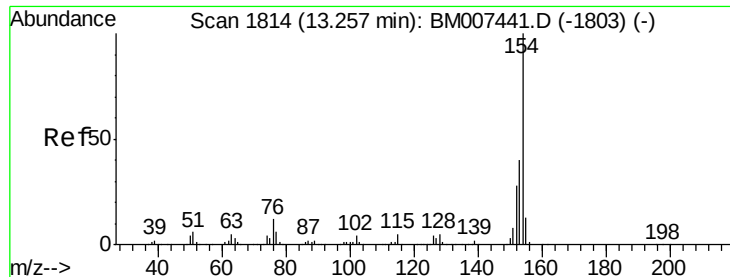
Tgt Ion:127 Resp: 32390
Ion Ratio Lower Upper
127 100
129 85.9 24.6 37.0#



#34
2-Methylnaphthalene
Concen: 4.54 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:142 Resp: 202631
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9

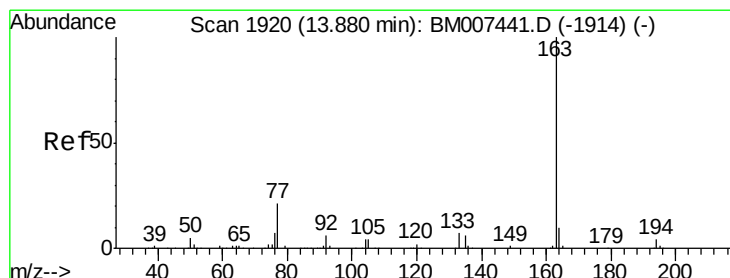
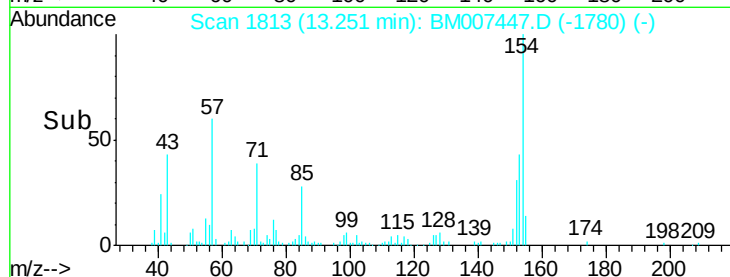
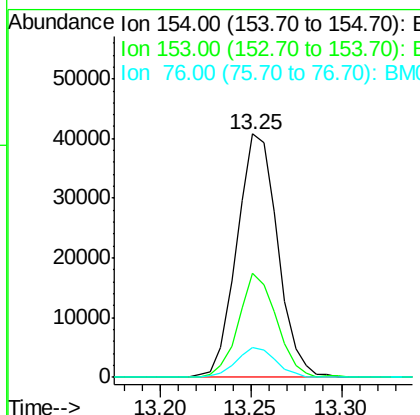
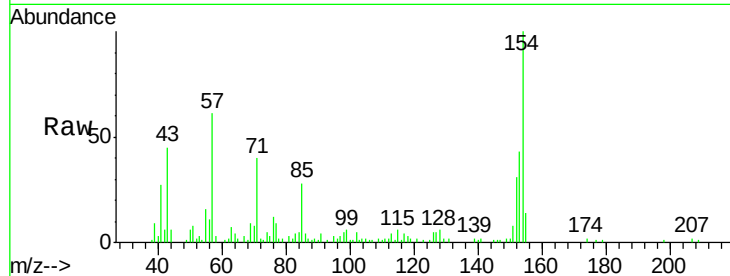




#40
 1,1'-Biphenyl
 Concen: 1.07 ng/ul
 RT: 13.25 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BM007447.D
 Acq: 07 Sep 2016 20:06

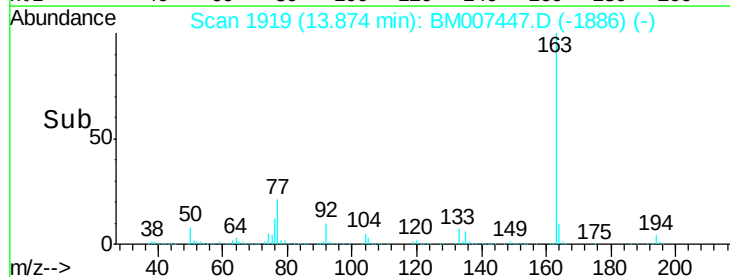
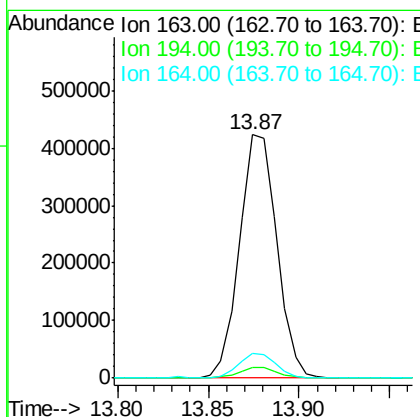
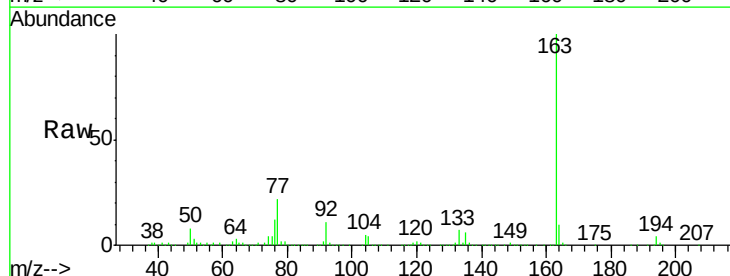
Instrument :
 BNA_M
 ClientSampleId :
 BD3A7

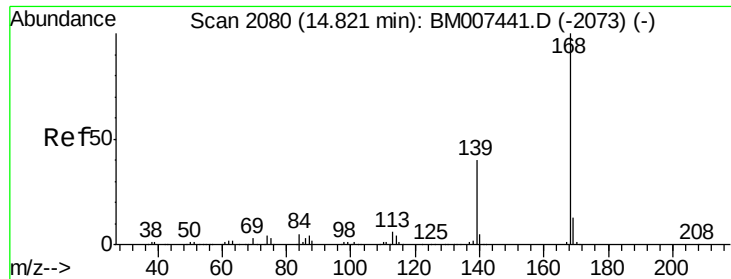
Tgt Ion:154 Resp: 63741
 Ion Ratio Lower Upper
 154 100
 153 42.6 31.3 46.9
 76 12.2 10.0 15.0



#44
 Dimethylphthalate
 Concen: 9.15 ng/ul
 RT: 13.87 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BM007447.D
 Acq: 07 Sep 2016 20:06

Tgt Ion:163 Resp: 604417
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.2
 164 10.3 7.8 11.8





#53

Dibenzenofuran

Concen: 3.16 ng/ul

RT: 14.82 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

Instrument :

BNA_M

ClientSampleId :

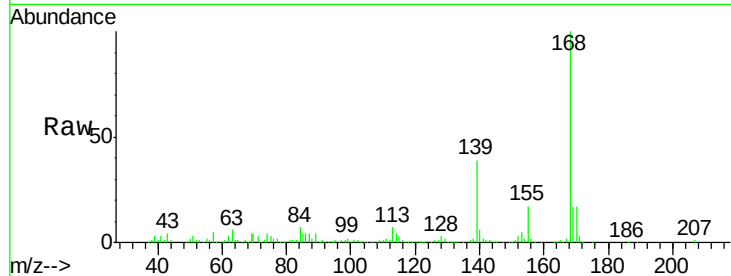
BD3A7

Tgt Ion:168 Resp: 243830

Ion Ratio Lower Upper

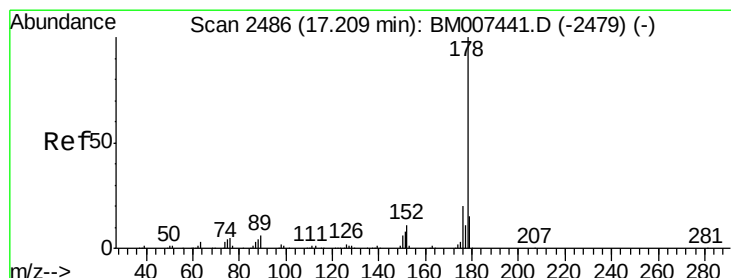
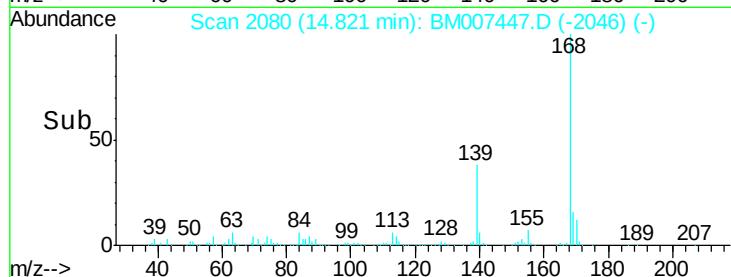
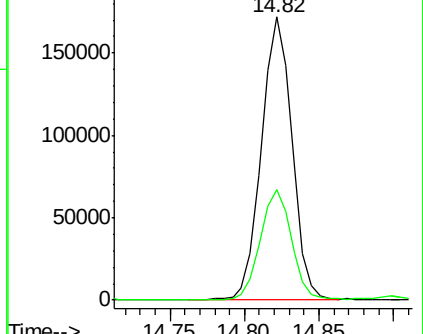
168 100

139 38.9 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#69

Phenanthrene

Concen: 8.71 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

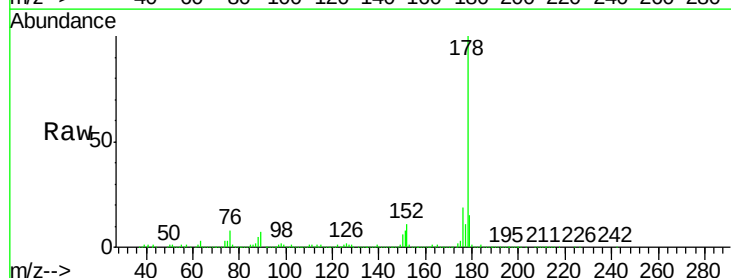
Tgt Ion:178 Resp: 913053

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

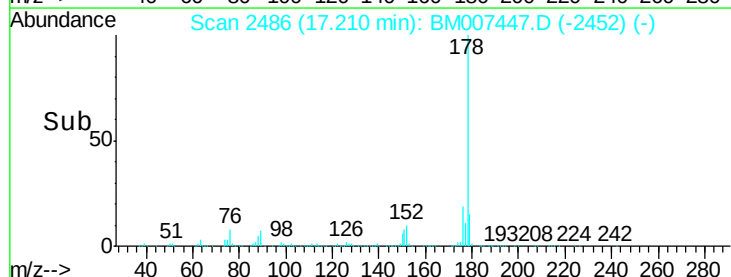
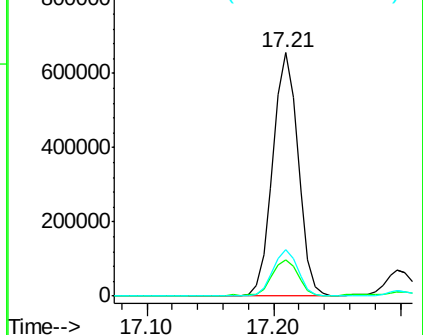
176 18.9 15.1 22.7

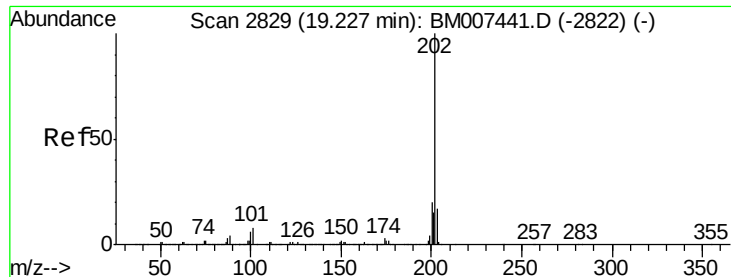


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

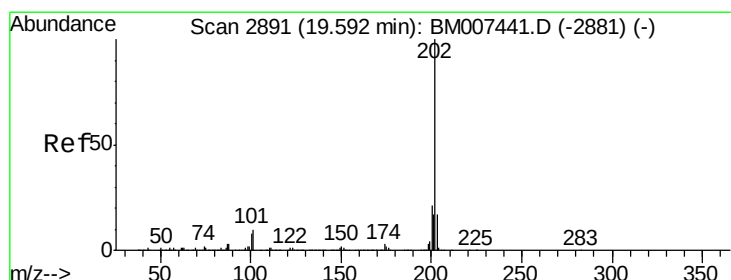
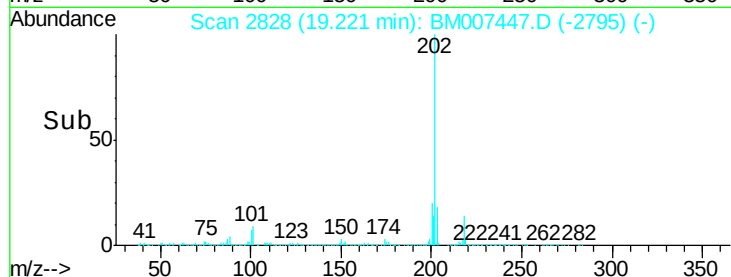
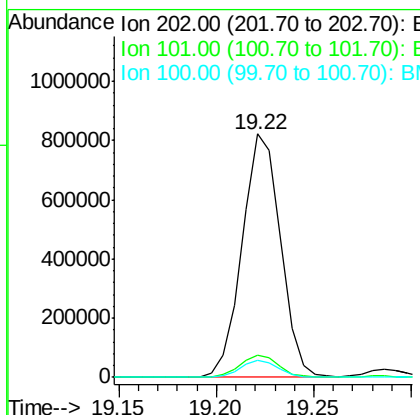
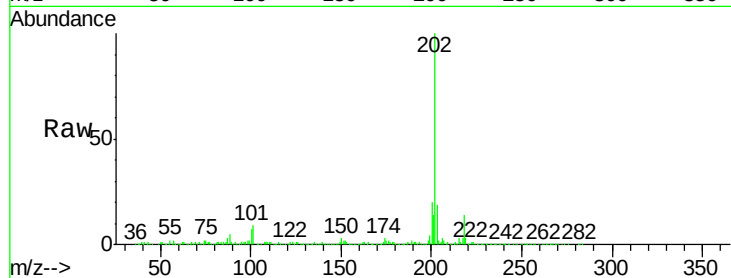




#74
Fluoranthene
Concen: 8.45 ng/ul
RT: 19.22 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

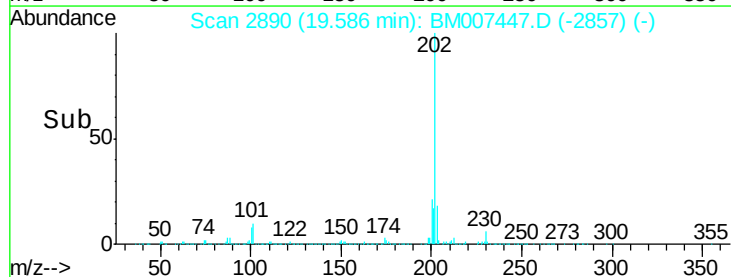
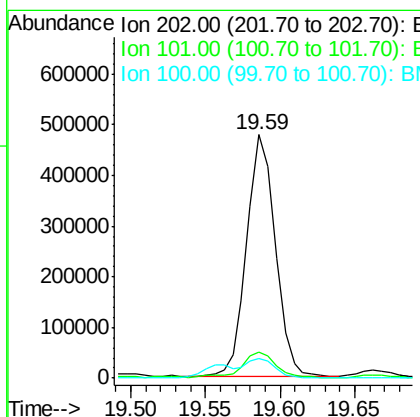
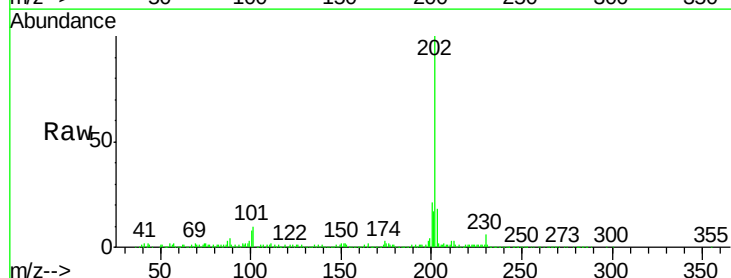
Instrument :
BNA_M
ClientSampleId :
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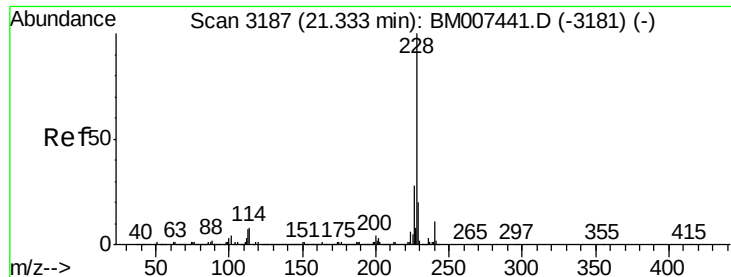
Tgt Ion:202 Resp: 1111603
Ion Ratio Lower Upper
202 100
101 9.3 6.9 10.3
100 6.8 5.4 8.0



#77
Pyrene
Concen: 4.79 ng/ul
RT: 19.59 min Scan# 2890
Delta R.T. -0.01 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:202 Resp: 638475
Ion Ratio Lower Upper
202 100
101 10.5 8.4 12.6
100 8.1 6.9 10.3





#80

Benzo(a)anthracene

Concen: 5.11 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.03 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

Instrument :

BNA_M

ClientSampleId :

BD3A7

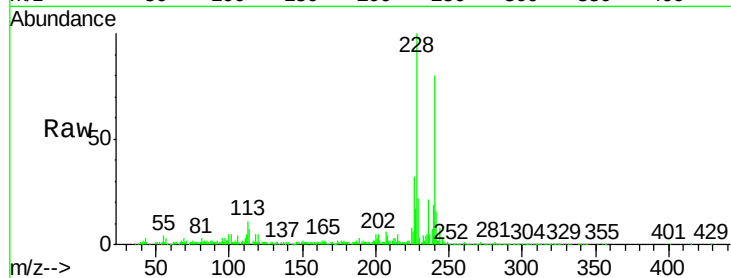
Tgt Ion:228 Resp: 747842

Ion Ratio Lower Upper

228 100

229 22.1 15.6 23.4

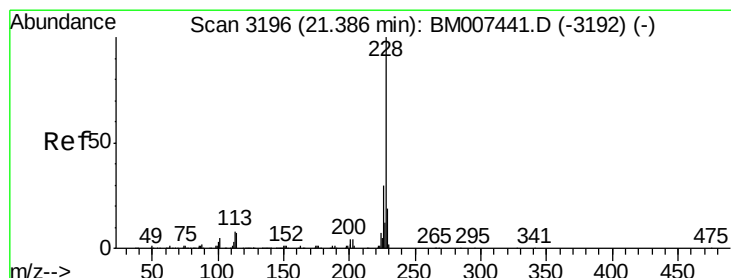
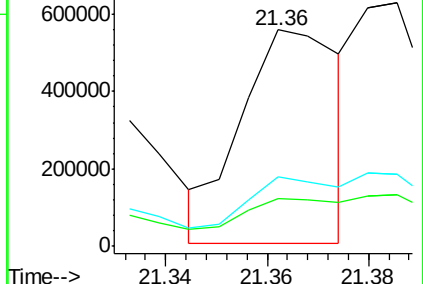
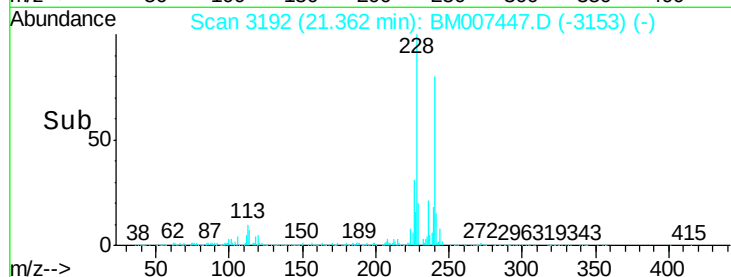
226 31.9 21.8 32.8



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



#82

Chrysene

Concen: 4.84 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

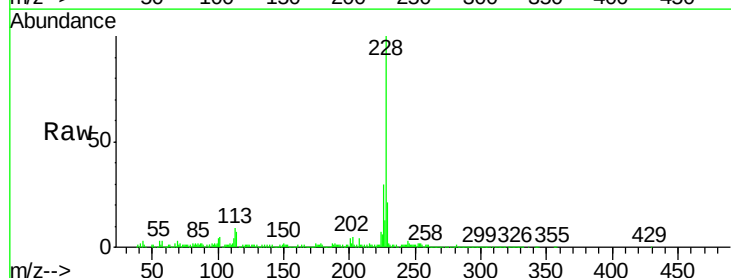
Tgt Ion:228 Resp: 642344

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

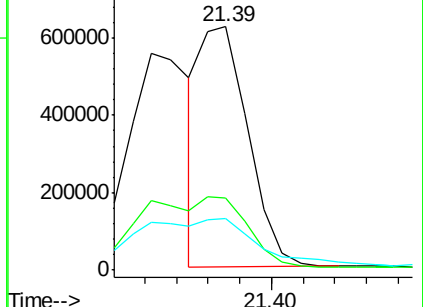
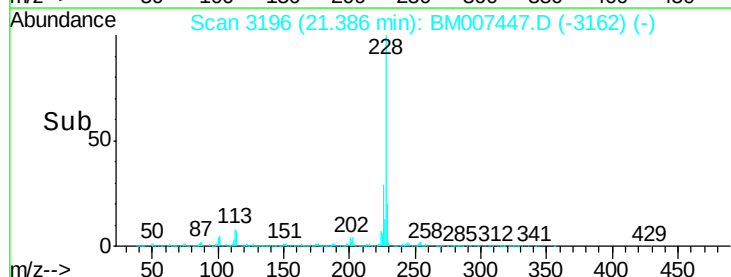
229 21.4 15.5 23.3

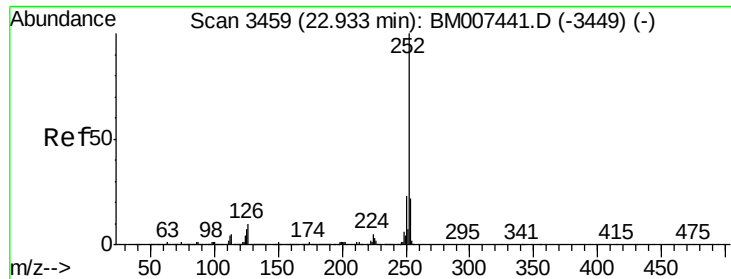


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

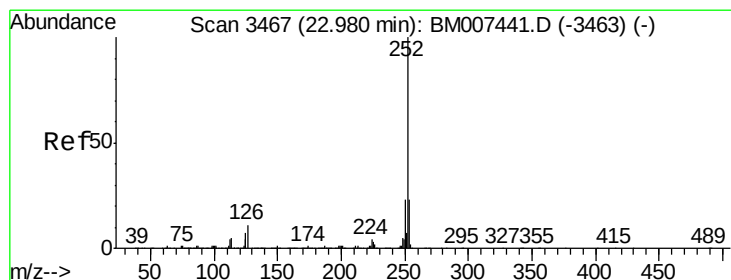
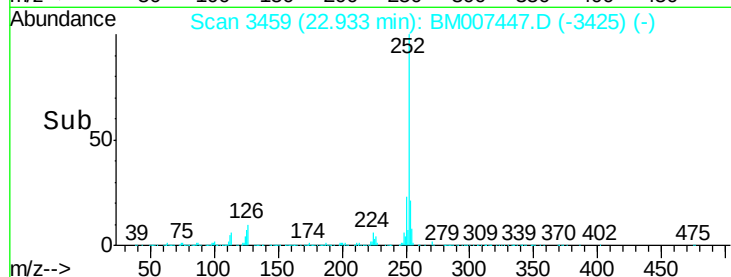
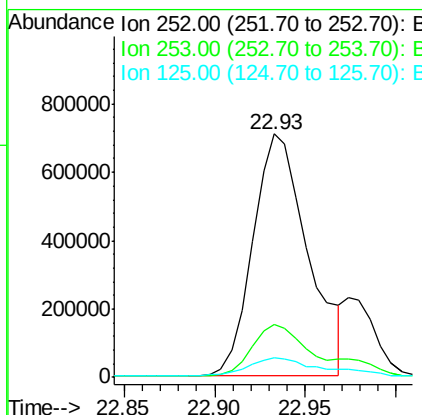
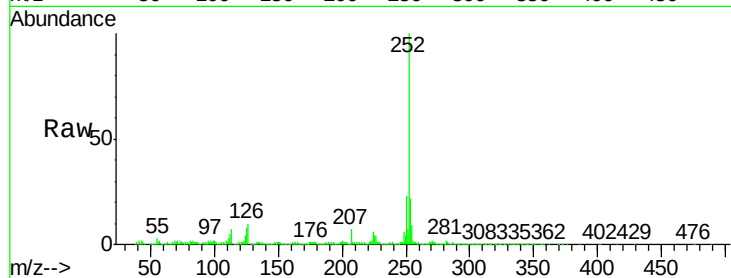




#85
Benzo(b)fluoranthene
Concen: 10.91 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. 0.00 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

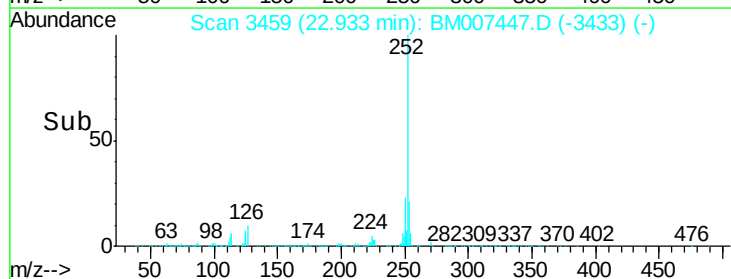
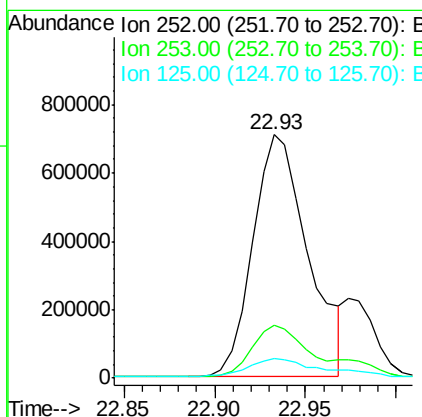
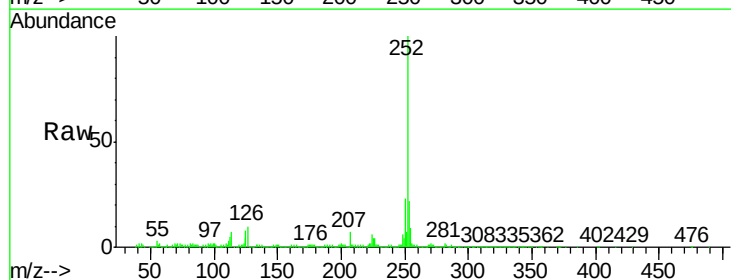
Instrument :
BNA_M
ClientSampleId :
BD3A7

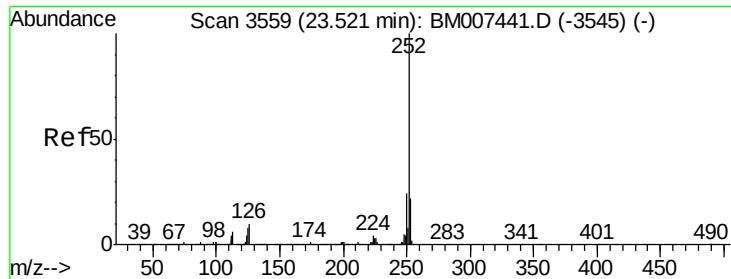
Tgt Ion:252 Resp: 1493430
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 8.0 5.8 8.8



#86
Benzo(k)fluoranthene
Concen: 11.81 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. -0.05 min
Lab File: BM007447.D
Acq: 07 Sep 2016 20:06

Tgt Ion:252 Resp: 1493430
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 8.0 5.7 8.5





#88

Benzo(a)pyrene

Concen: 1.47 ng/ul

RT: 23.52 min Scan# 3558

Delta R.T. -0.01 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

Instrument :

BNA_M

ClientSampleId :

BD3A7

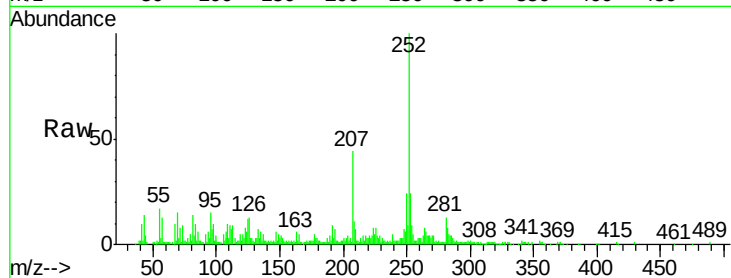
Tgt Ion:252 Resp: 192310

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

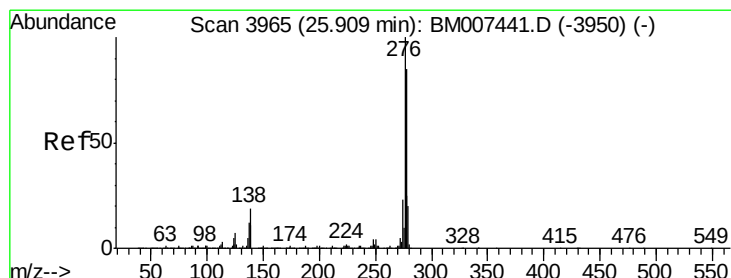
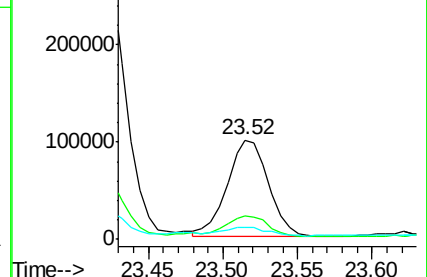
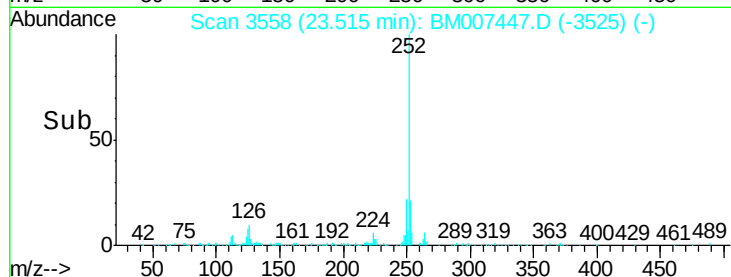
125 11.9 6.6 9.8#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.18 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM007447.D

Acq: 07 Sep 2016 20:06

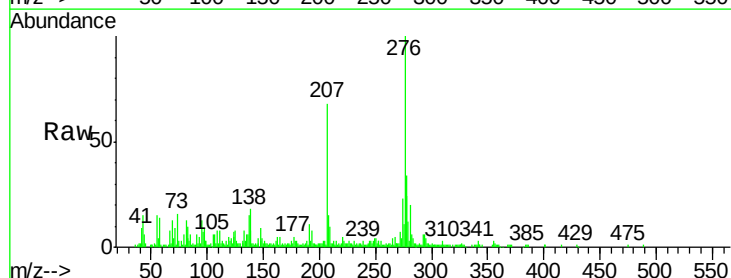
Tgt Ion:276 Resp: 189150

Ion Ratio Lower Upper

276 100

138 18.4 13.9 20.9

277 24.2 20.1 30.1



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

