

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
 Data File : BM007454.D
 Acq On : 08 Sep 2016 00:18
 Operator : UM/SJ
 Sample : H4666-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3B1

Quant Time: Sep 08 03:14:11 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	249777	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1206784	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	814858	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	2013184	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2360630	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	2051695	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	14120	2.89	ng/uL	0.00
5) Phenol-d5	6.96	99	344999	14.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	223342	18.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	295846	16.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	244651	11.89	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	174397	19.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	208038	20.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	364846	17.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	255125	9.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1364608	19.41	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1647798	20.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	124571	9.39	ng/ul	0.00
57) Fluorene-d10	15.42	176	1217584	20.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	202323	15.98	ng/ul	0.00
70) Anthracene-d10	17.27	188	1967515	20.92	ng/ul	0.00
76) Pyrene-d10	19.56	212	2374571	24.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	1958199	20.72	ng/ul	0.00

Target Compounds

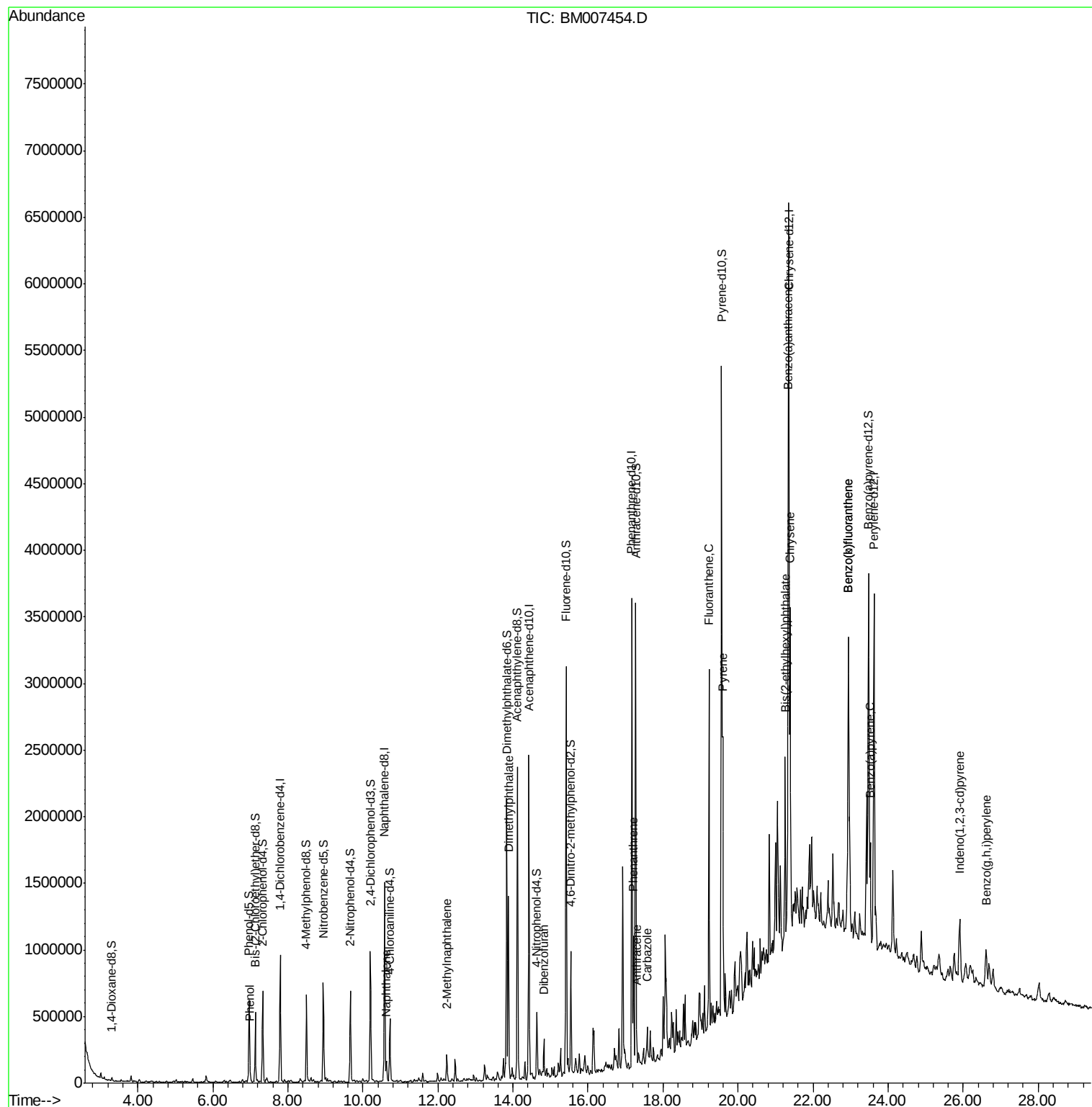
						Qvalue
6) Phenol	6.99	94	27427	1.12	ng/ul	96
28) Naphthalene	10.63	128	116710	1.94	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	92839	1.89	ng/ul	100
44) Dimethylphthalate	13.88	163	834978	11.92	ng/ul	100
53) Dibenzofuran	14.82	168	135033	1.65	ng/ul	98
69) Phenanthrene	17.21	178	601091	5.56	ng/ul	99
71) Anthracene	17.30	178	153257	1.37	ng/ul	100
72) Carbazole	17.57	167	163484	1.69	ng/ul	97
74) Fluoranthene	19.23	202	1601578	11.81	ng/ul	100
77) Pyrene	19.59	202	1267127	10.01	ng/ul	98
80) Benzo(a)anthracene	21.33	228	990127	7.11	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.26	149	441072	5.77	ng/ul	98
82) Chrysene	21.39	228	1711838	13.58	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	1923614	15.86	ng/ul	99
86) Benzo(k)fluoranthene	22.94	252	1923614	17.16	ng/ul	100
88) Benzo(a)pyrene	23.52	252	565223	4.87	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.90	276	438145	3.08	ng/ul	97
91) Benzo(g,h,i)perylene	26.61	276	371368	3.07	ng/ul	99

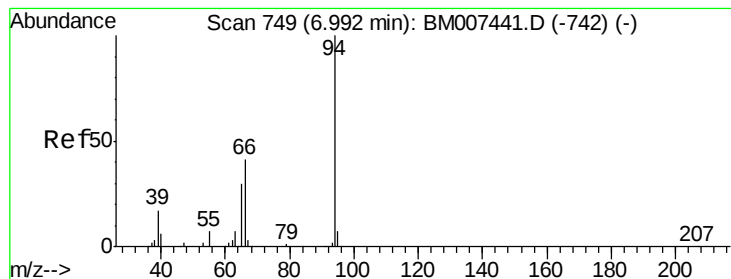
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.12 ng/ul

RT: 6.99 min Scan# 749

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

Instrument :

BNA_M

ClientSampled :

BD3B1

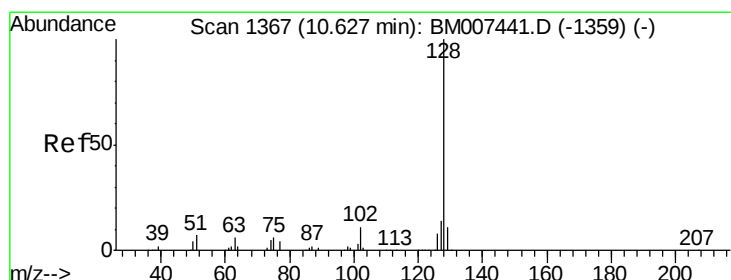
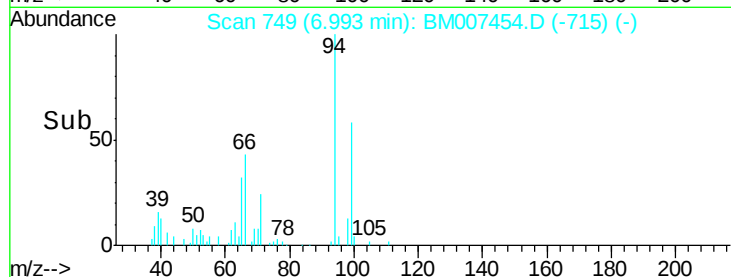
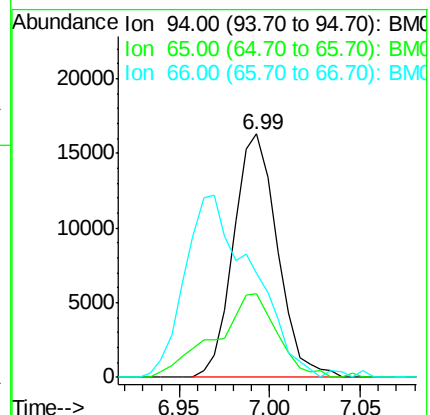
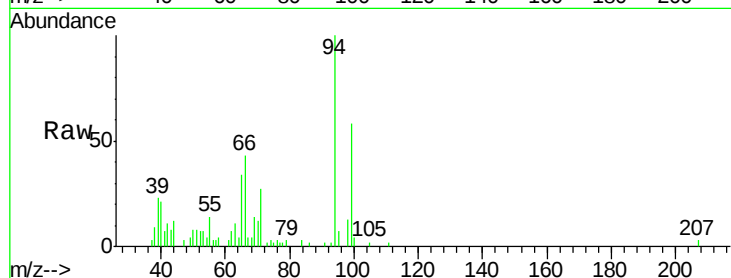
Tgt Ion: 94 Resp: 27427

Ion Ratio Lower Upper

94 100

65 34.2 23.9 35.9

66 42.9 33.5 50.3



#28

Naphthalene

Concen: 1.94 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

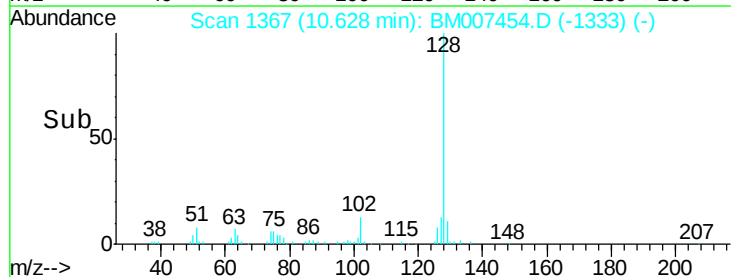
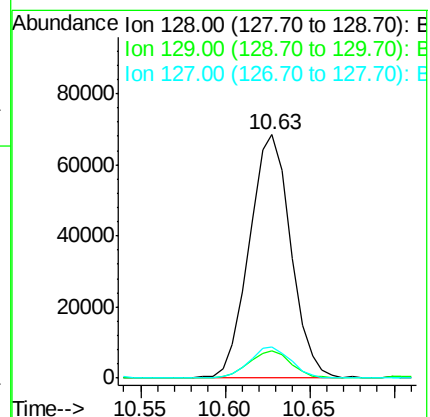
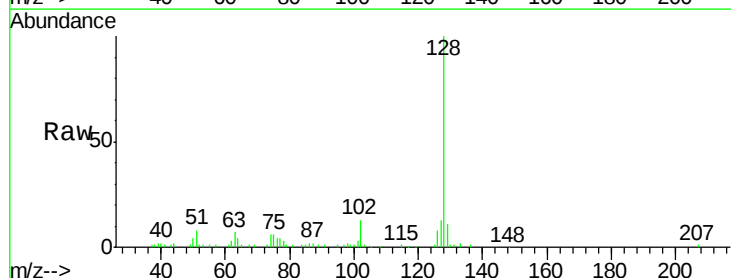
Tgt Ion: 128 Resp: 116710

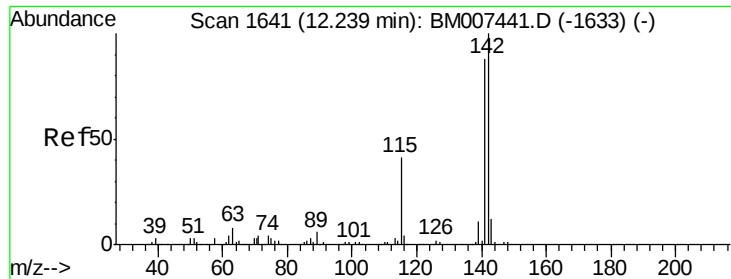
Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 12.6 10.6 15.8

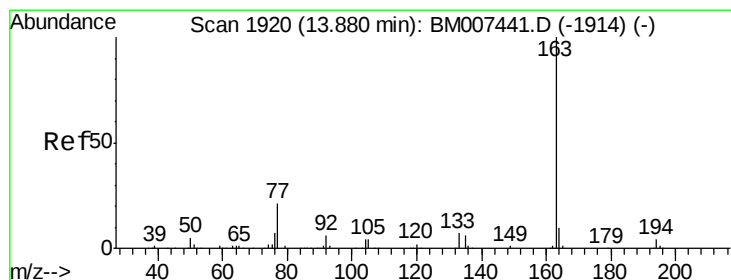
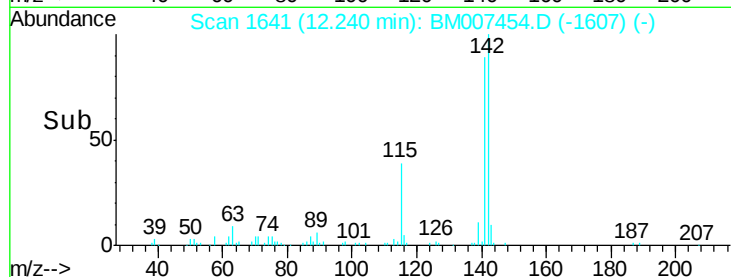
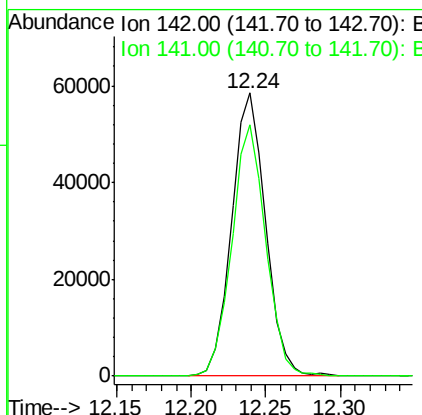
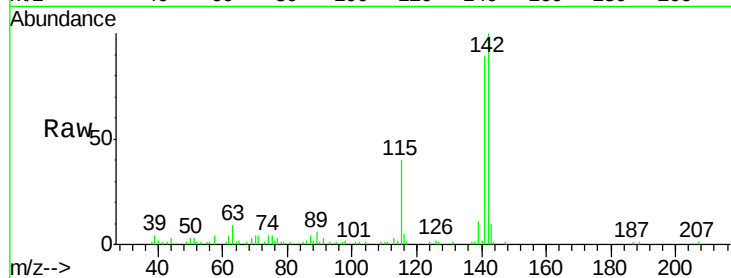




#34
 2-Methylnaphthalene
 Concen: 1.89 ng/ul
 RT: 12.24 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: BM007454.D
 Acq: 08 Sep 2016 00:18

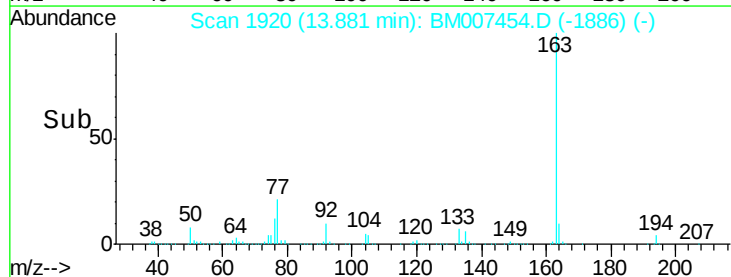
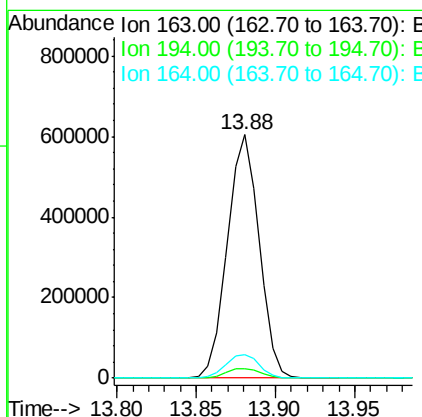
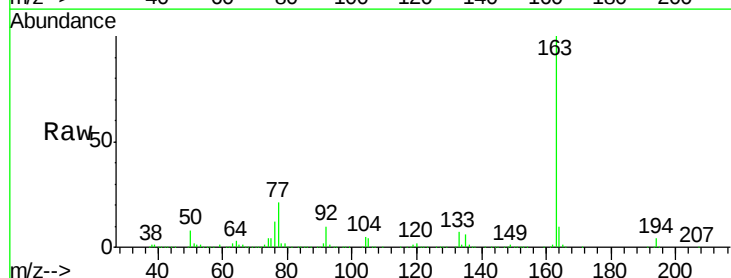
Instrument :
 BNA_M
 ClientSampleId :
 BD3B1

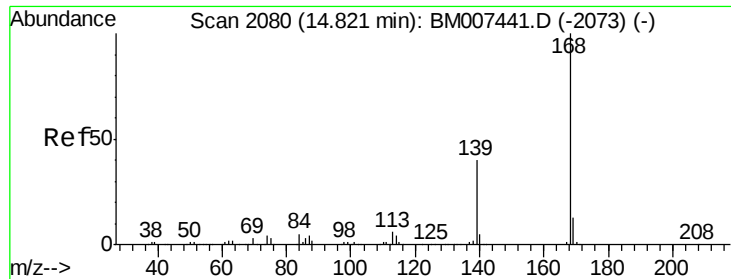
Tgt Ion:142 Resp: 92839
 Ion Ratio Lower Upper
 142 100
 141 89.0 71.3 106.9



#44
 Dimethylphthalate
 Concen: 11.92 ng/ul
 RT: 13.88 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: BM007454.D
 Acq: 08 Sep 2016 00:18

Tgt Ion:163 Resp: 834978
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.4 5.2
 164 9.9 7.8 11.8





#53

Dibenzenofuran

Concen: 1.65 ng/ul

RT: 14.82 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

Instrument :

BNA_M

ClientSampleId :

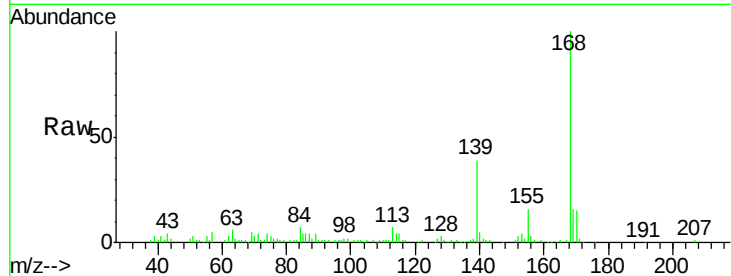
BD3B1

Tgt Ion:168 Resp: 135033

Ion Ratio Lower Upper

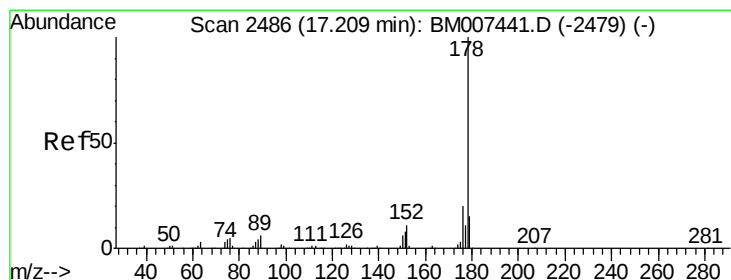
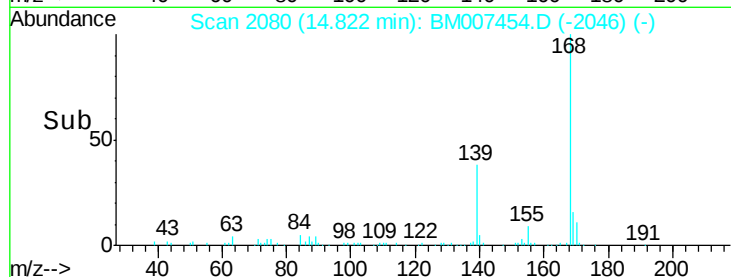
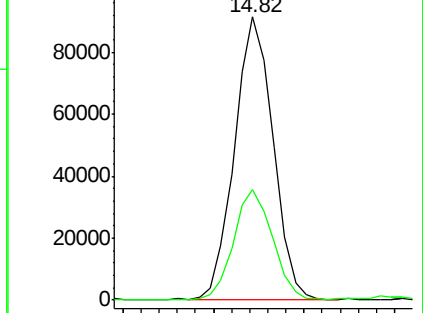
168 100

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: 5.56 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

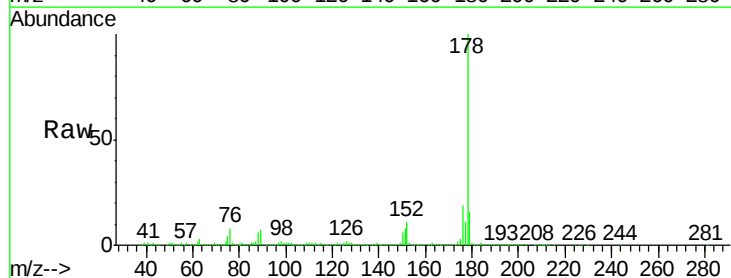
Tgt Ion:178 Resp: 601091

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

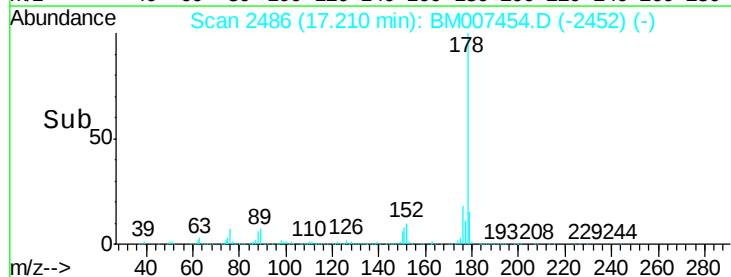
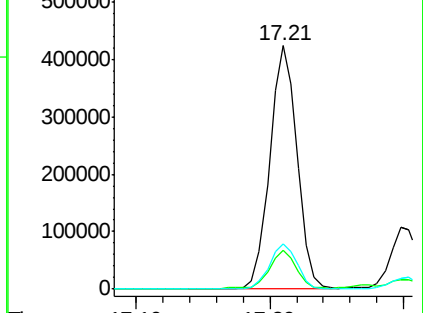
176 18.6 15.1 22.7

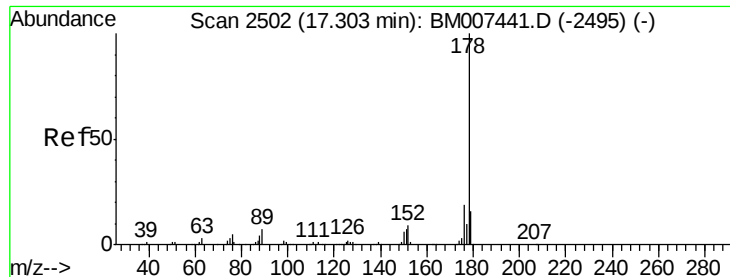


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

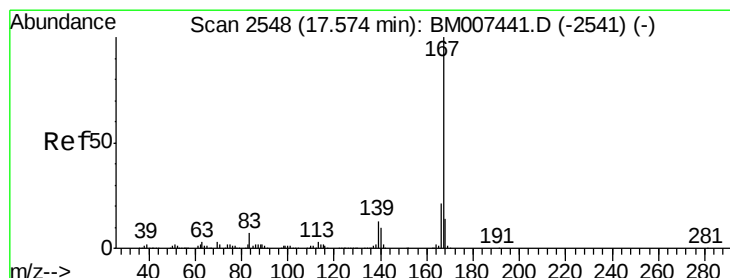
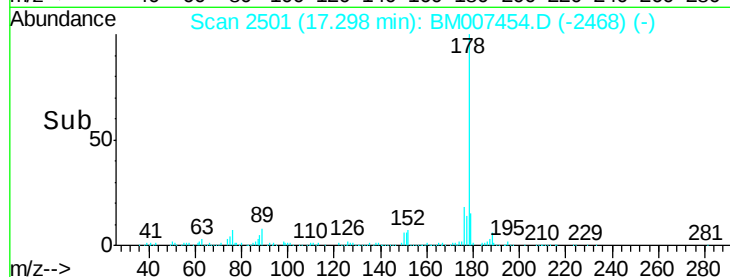
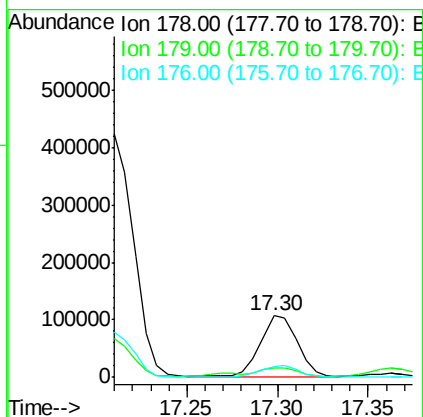
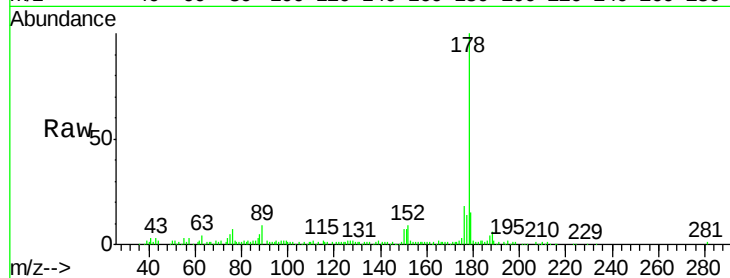




#71
 Anthracene
 Concen: 1.37 ng/ul
 RT: 17.30 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BM007454.D
 Acq: 08 Sep 2016 00:18

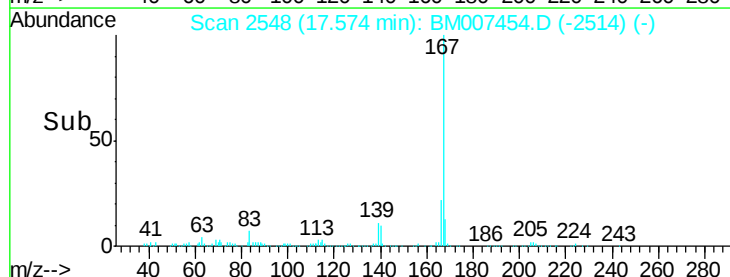
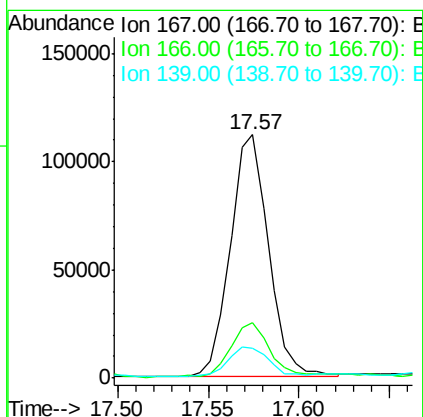
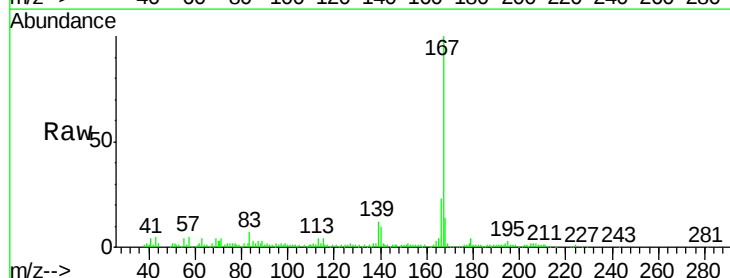
Instrument :
 BNA_M
 ClientSampleId :
 BD3B1

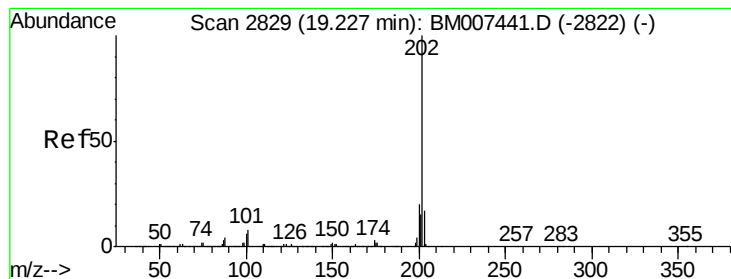
Tgt Ion:178 Resp: 153257
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.1 18.1
 176 18.1 14.5 21.7



#72
 Carbazole
 Concen: 1.69 ng/ul
 RT: 17.57 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: BM007454.D
 Acq: 08 Sep 2016 00:18

Tgt Ion:167 Resp: 163484
 Ion Ratio Lower Upper
 167 100
 166 22.7 16.6 25.0
 139 12.4 10.2 15.4





#74

Fluoranthene

Concen: 11.81 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

Instrument :

BNA_M

ClientSampleId :

BD3B1

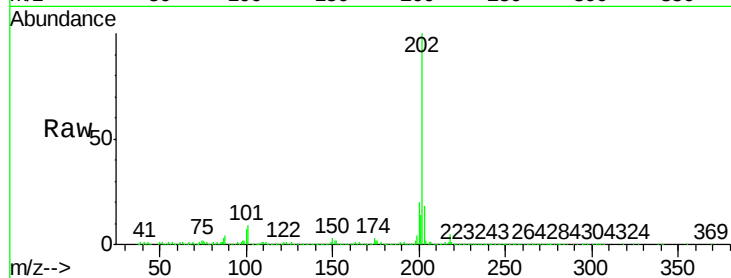
Tgt Ion:202 Resp: 1601578

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

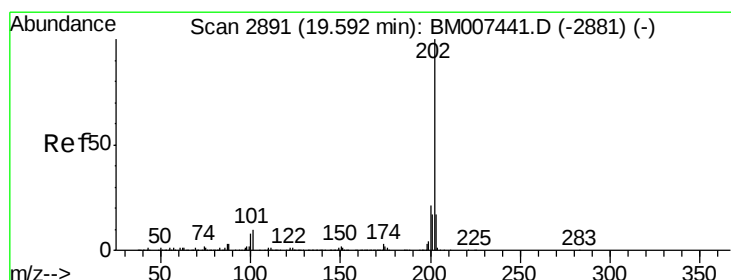
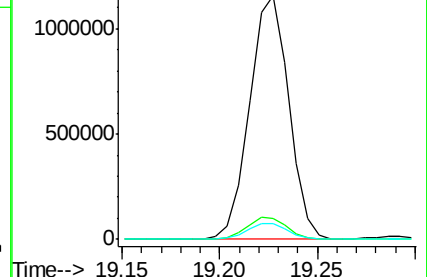
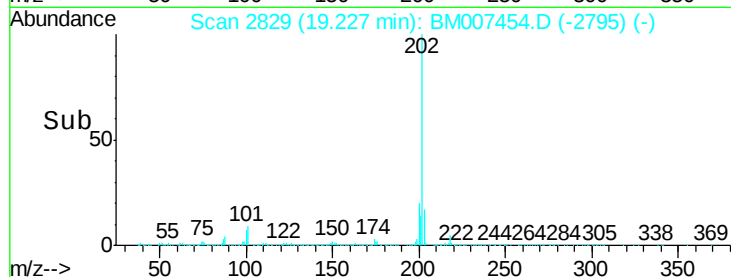
100 6.6 5.4 8.0



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



#77

Pyrene

Concen: 10.01 ng/ul

RT: 19.59 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

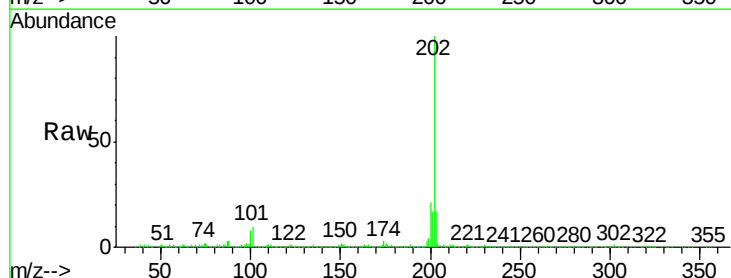
Tgt Ion:202 Resp: 1267127

Ion Ratio Lower Upper

202 100

101 10.1 8.4 12.6

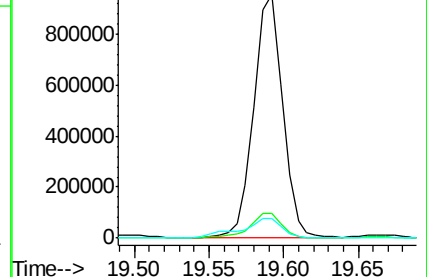
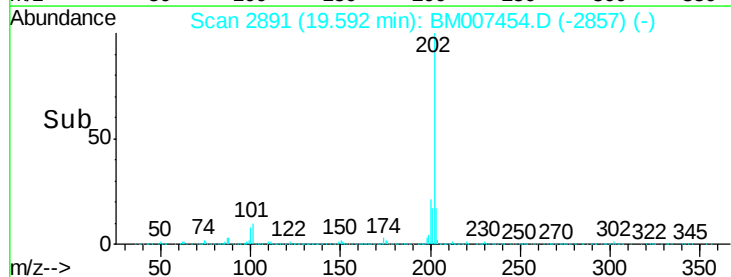
100 7.8 6.9 10.3

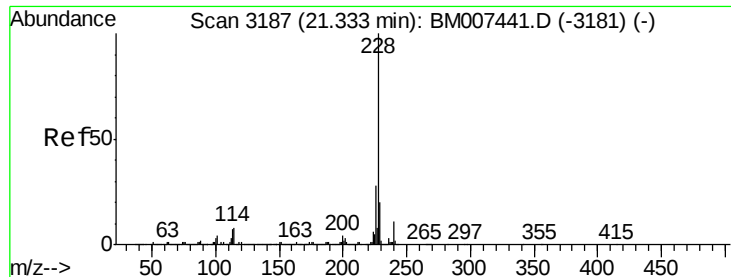


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.11 ng/ul

RT: 21.33 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BM007454.D

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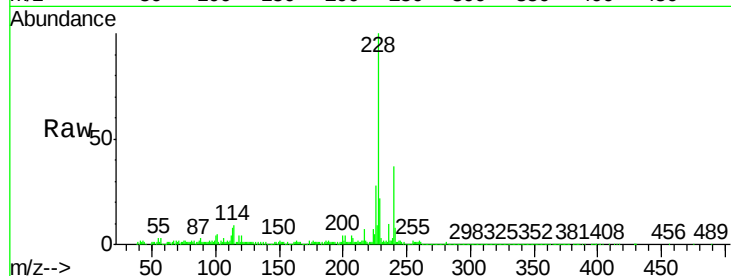
Tgt Ion:228 Resp: 990127

Ion Ratio Lower Upper

228 100

229 21.6 15.6 23.4

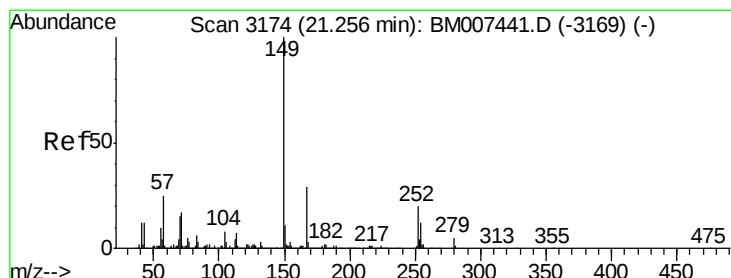
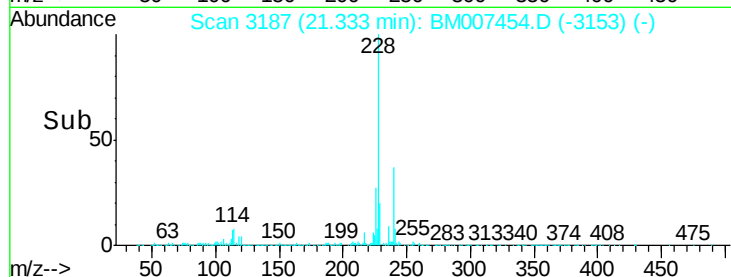
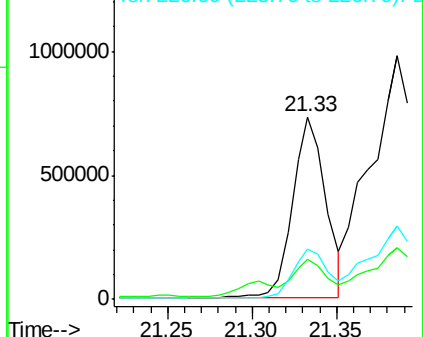
226 27.8 21.8 32.8



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 5.77 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

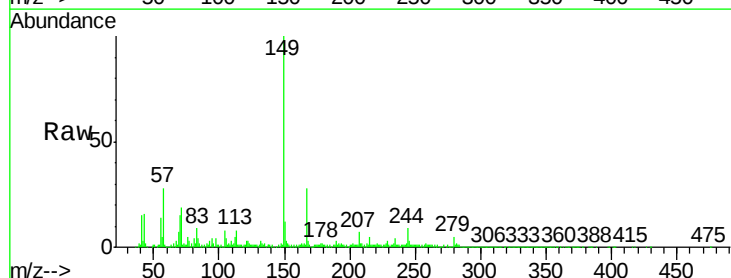
Tgt Ion:149 Resp: 441072

Ion Ratio Lower Upper

149 100

167 28.0 23.2 34.8

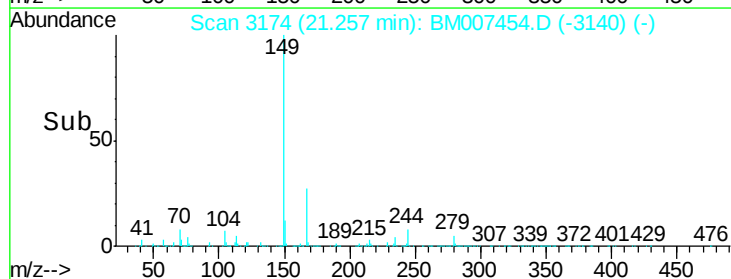
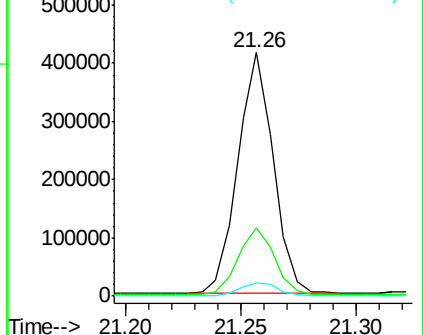
279 5.4 4.1 6.1

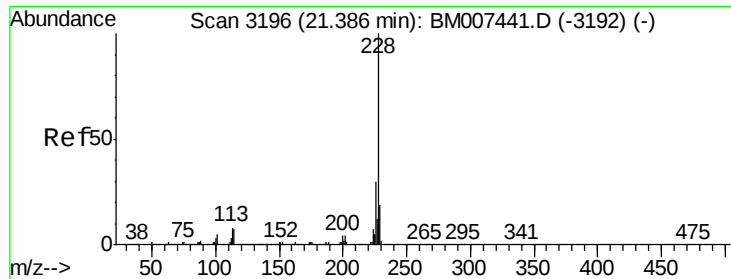


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 13.58 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007454.D

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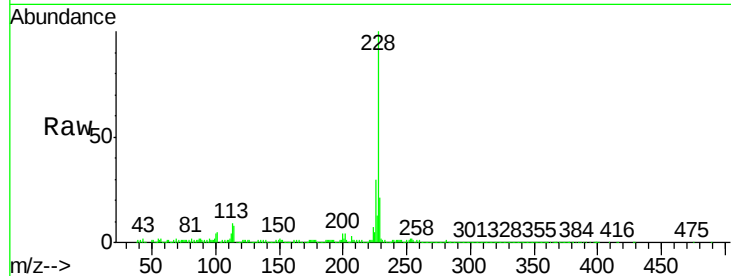
Tgt Ion:228 Resp: 1711838

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

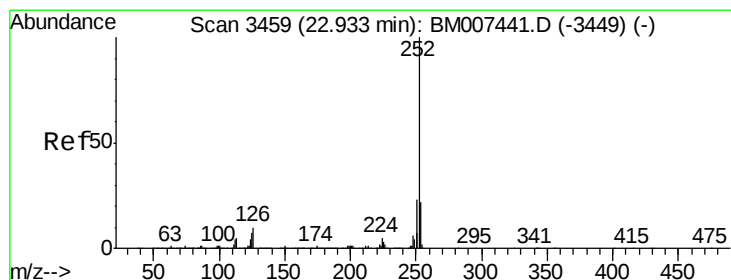
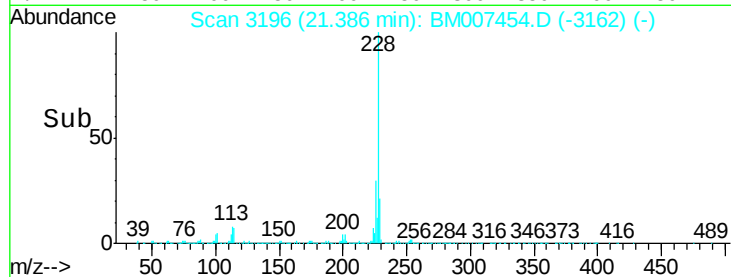
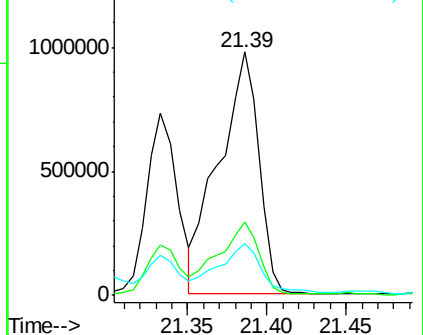
229 21.2 15.5 23.3



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: 15.86 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

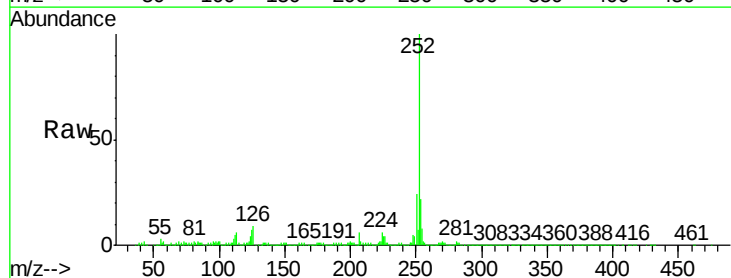
Tgt Ion:252 Resp: 1923614

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

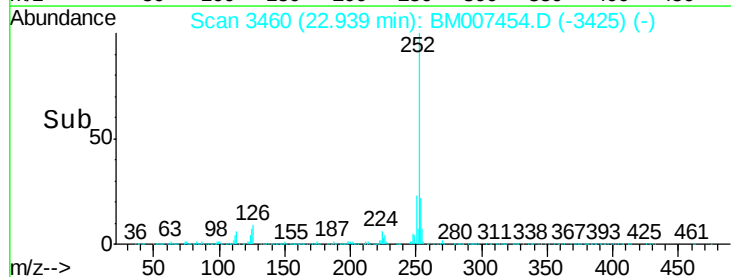
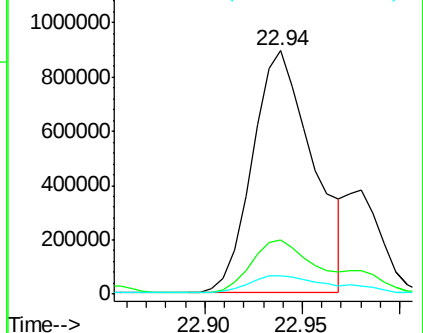
125 7.5 5.8 8.8

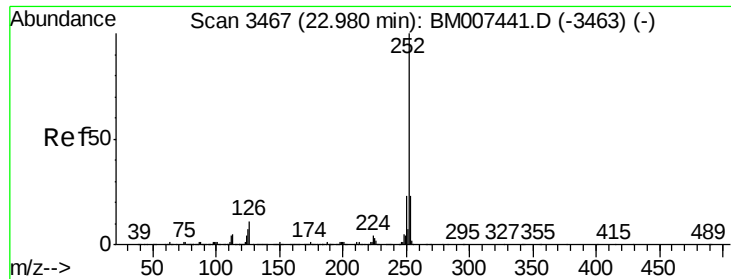


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

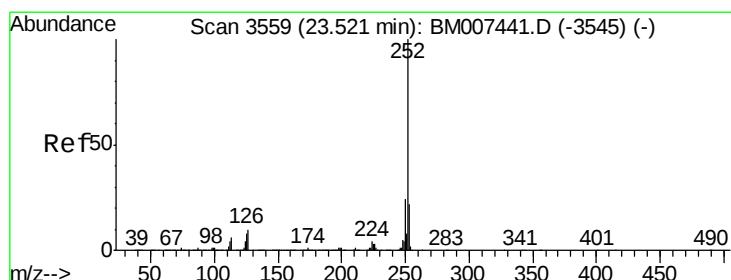
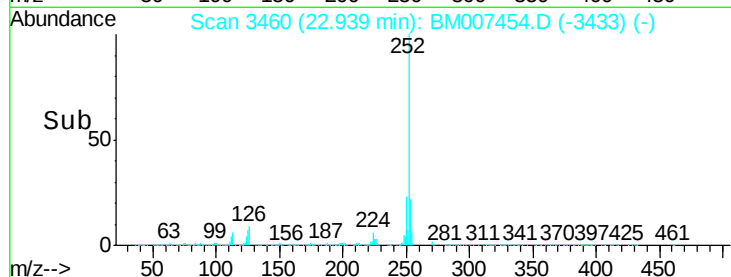
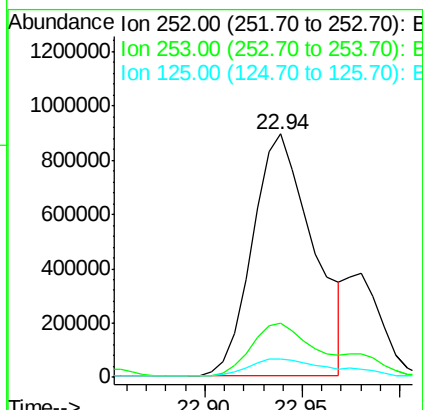
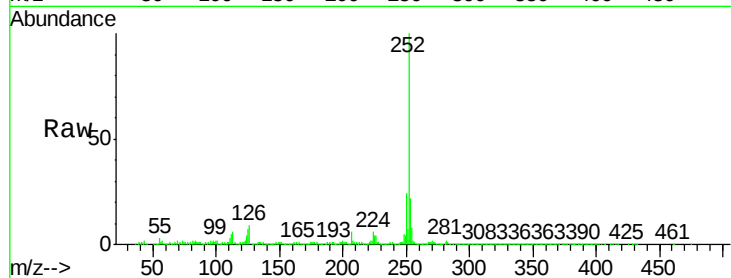




#86
Benzo(k)fluoranthene
Concen: 17.16 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.04 min
Lab File: BM007454.D
Acq: 08 Sep 2016 00:18

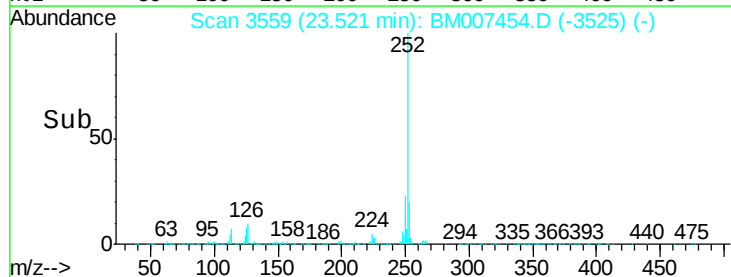
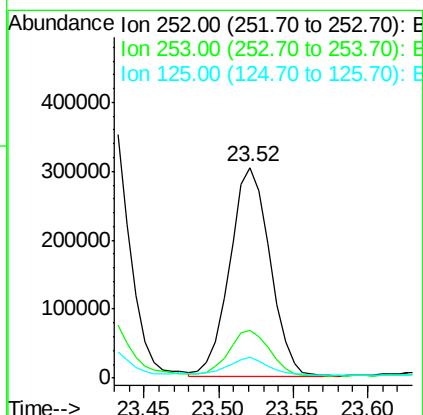
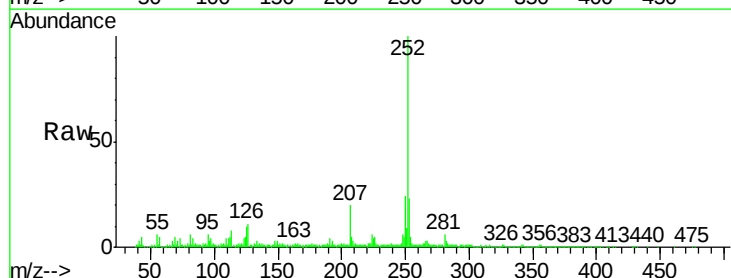
Instrument :
BNA_M
ClientSampleId :
BD3B1

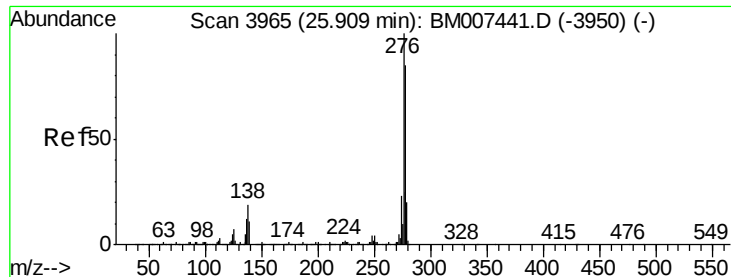
Tgt Ion:252 Resp: 1923614
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 7.5 5.7 8.5



#88
Benzo(a)pyrene
Concen: 4.87 ng/ul
RT: 23.52 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BM007454.D
Acq: 08 Sep 2016 00:18

Tgt Ion:252 Resp: 565223
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.9 6.6 9.8#





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.08 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

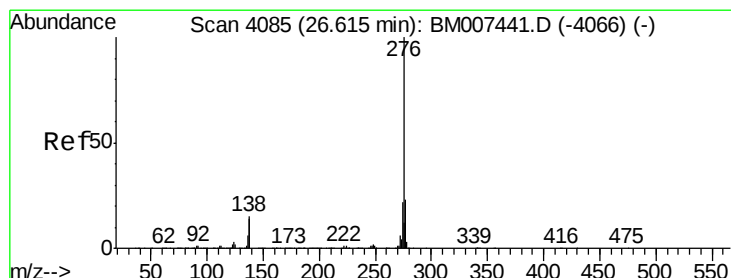
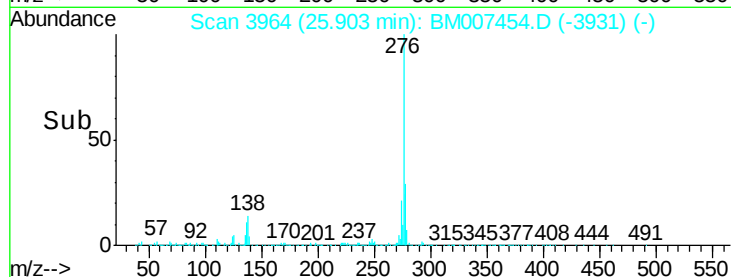
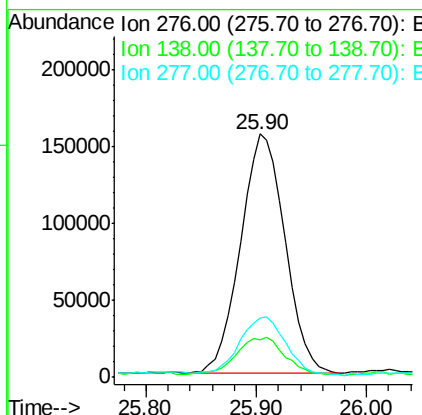
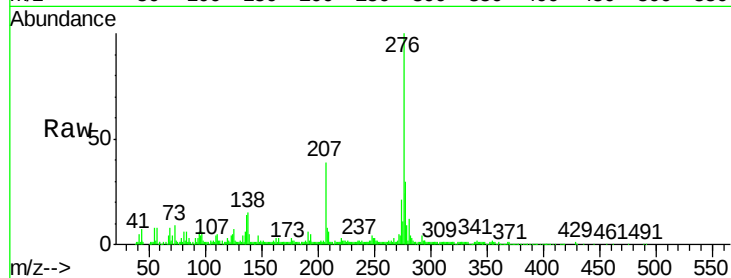
Instrument :

BNA_M

ClientSampleId :

BD3B1

Tgt Ion:	276	Resp:	438145
Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.9	20.9
277	24.2	20.1	30.1



#91

Benzo(g,h,i)perylene

Concen: 3.07 ng/ul

RT: 26.61 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BM007454.D

Acq: 08 Sep 2016 00:18

Tgt Ion:	276	Resp:	371368
Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.5	20.3
277	24.7	19.3	28.9

