

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
 Data File : BM007449.D
 Acq On : 07 Sep 2016 21:18
 Operator : UM/SJ
 Sample : H4666-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3A1

Quant Time: Sep 08 03:12:58 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	265505	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1318101	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	901796	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	2229581	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2761415	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	2551931	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	9686	1.86	ng/uL	0.00
5) Phenol-d5	6.96	99	324477	12.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	176462	13.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	241734	13.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	298793	13.66	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	139576	14.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	166430	14.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	328351	14.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	186540	6.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1208677	15.54	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1452312	16.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	168215	11.45	ng/ul	0.00
57) Fluorene-d10	15.42	176	1088351	16.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	193789	13.82	ng/ul	0.00
70) Anthracene-d10	17.26	188	1769784	16.99	ng/ul	0.00
76) Pyrene-d10	19.56	212	2140015	18.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	1940388	16.51	ng/ul	0.00

Target Compounds

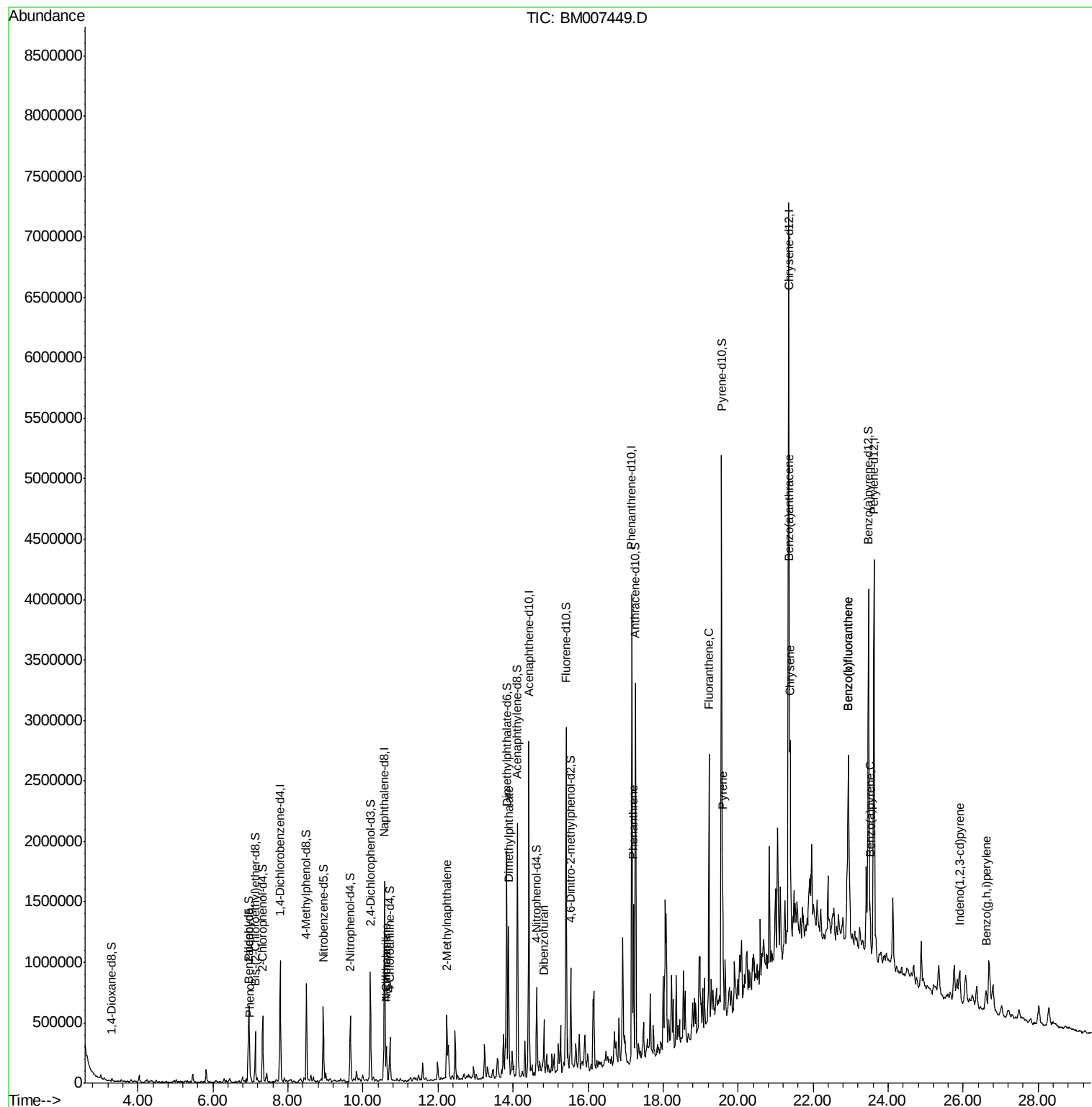
						Qvalue
4) Benzaldehyde	6.94	77	95653	6.69	ng/ul	97
6) Phenol	6.99	94	28479	1.09	ng/ul	91
28) Naphthalene	10.63	128	223251	3.41	ng/ul	98
30) 4-Chloroaniline	10.63	127	30100	1.04	ng/ul#	10
34) 2-Methylnaphthalene	12.24	142	223318	4.16	ng/ul	100
44) Dimethylphthalate	13.88	163	757668	9.78	ng/ul	100
53) Dibenzofuran	14.82	168	164474	1.82	ng/ul	96
69) Phenanthrene	17.21	178	786242	6.57	ng/ul	99
74) Fluoranthene	19.22	202	1111275	7.40	ng/ul	99
77) Pyrene	19.59	202	747489	5.05	ng/ul	100
80) Benzo(a)anthracene	21.37	228	599820	3.68	ng/ul	93
82) Chrysene	21.39	228	704514	4.78	ng/ul	97
85) Benzo(b)fluoranthene	22.93	252	1296086	8.59	ng/ul	97
86) Benzo(k)fluoranthene	22.93	252	1296086	9.29	ng/ul	98
88) Benzo(a)pyrene	23.52	252	284957	1.97	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.90	276	243247	1.37	ng/ul	98
91) Benzo(g,h,i)perylene	26.61	276	199450	1.33	ng/ul	98

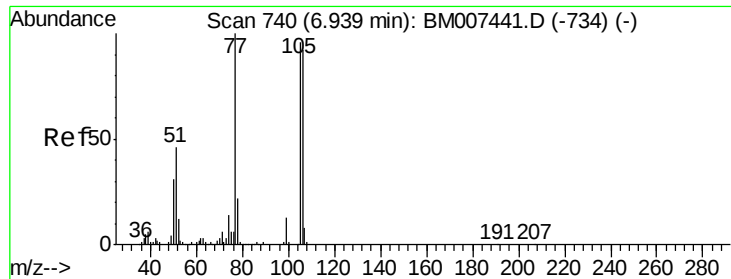
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007449.D
Acq On : 07 Sep 2016 21:18
Operator : UM/SJ
Sample : H4666-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3A1

Quant Time: Sep 08 03:12:58 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





#4

Benzaldehyde

Concen: 6.69 ng/ul

RT: 6.94 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

BD3A1

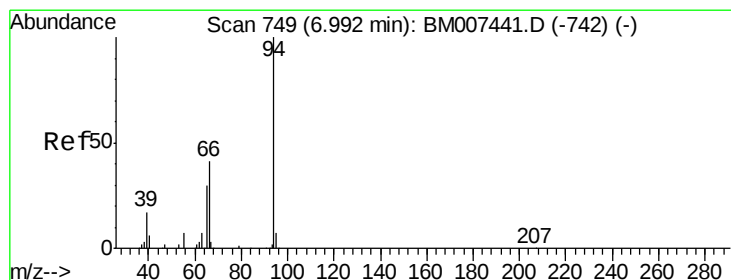
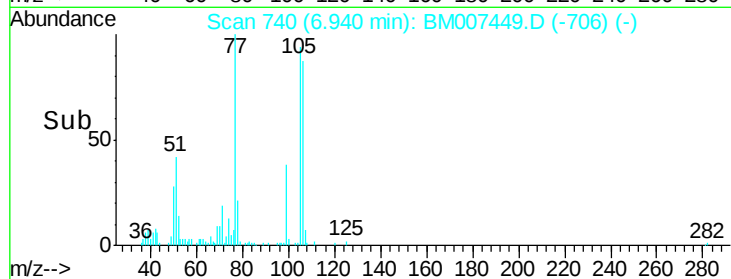
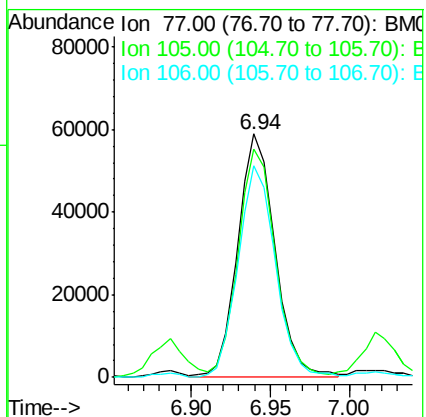
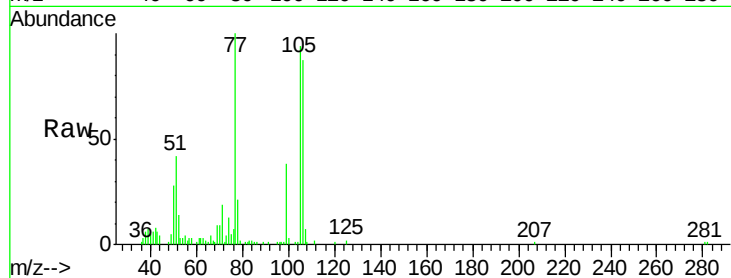
Tgt Ion: 77 Resp: 95653

Ion Ratio Lower Upper

77 100

105 93.8 76.9 115.3

106 87.0 71.8 107.8



#6

Phenol

Concen: 1.09 ng/ul

RT: 6.99 min Scan# 748

Delta R.T. -0.01 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

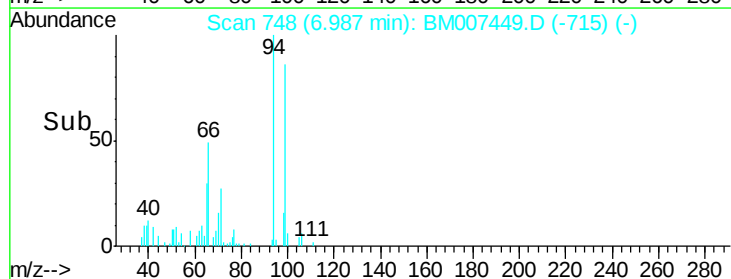
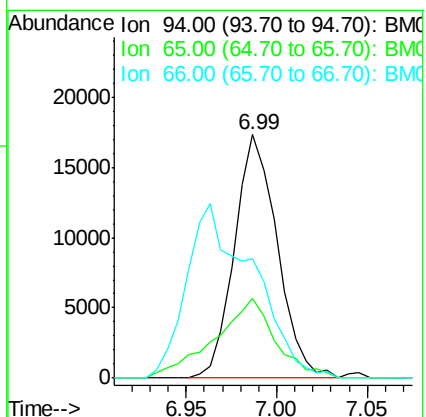
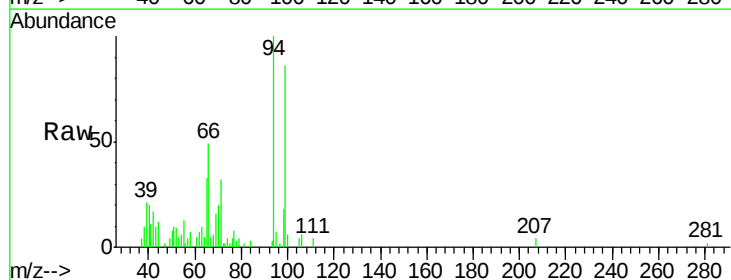
Tgt Ion: 94 Resp: 28479

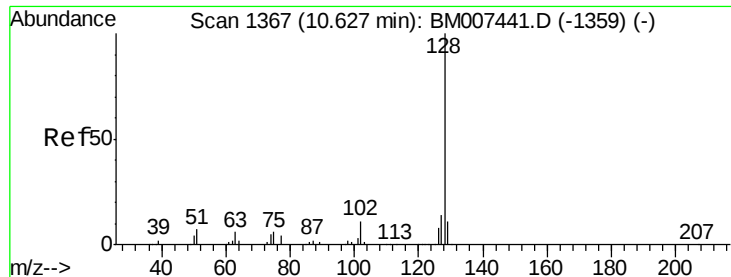
Ion Ratio Lower Upper

94 100

65 32.7 23.9 35.9

66 49.2 33.5 50.3





#28

Naphthalene

Concen: 3.41 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

BD3A1

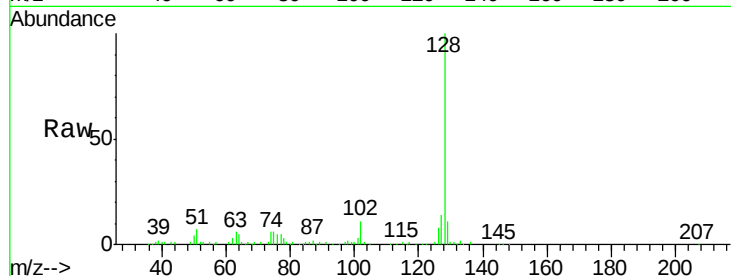
Tgt Ion:128 Resp: 223251

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

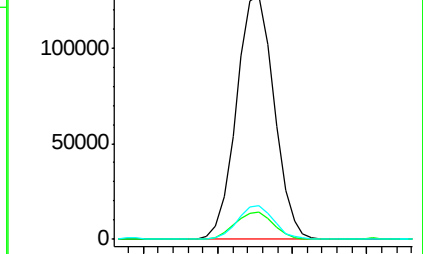
127 14.0 10.6 15.8



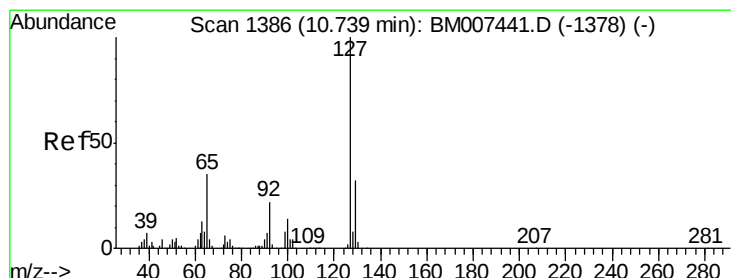
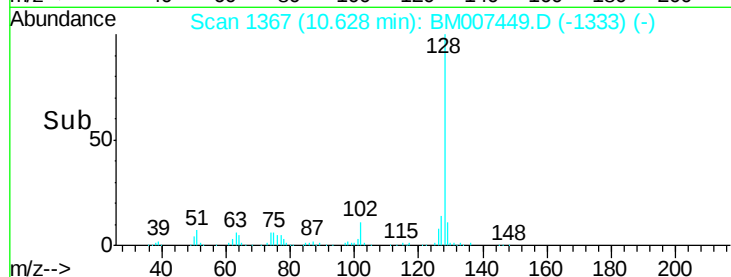
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#30

4-Chloroaniline

Concen: 1.04 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. -0.11 min

Lab File: BM007449.D

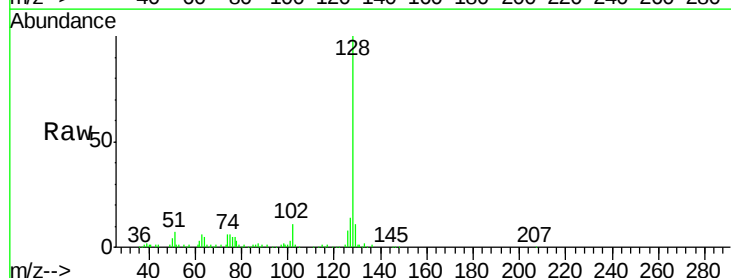
Acq: 07 Sep 2016 21:18

Tgt Ion:127 Resp: 30100

Ion Ratio Lower Upper

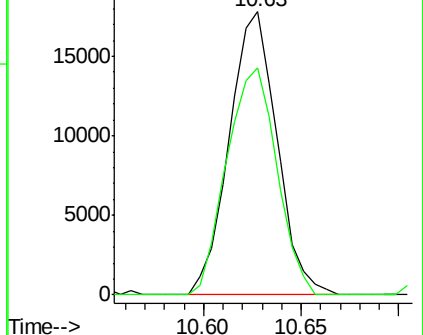
127 100

129 80.1 24.6 37.0#

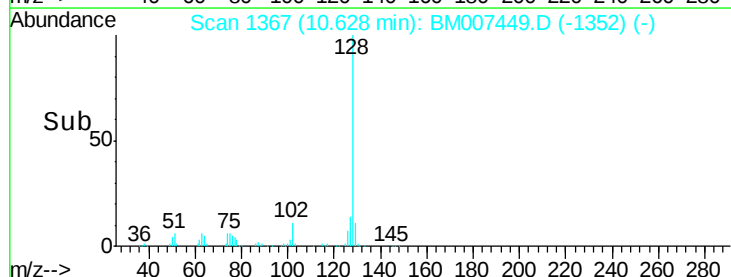


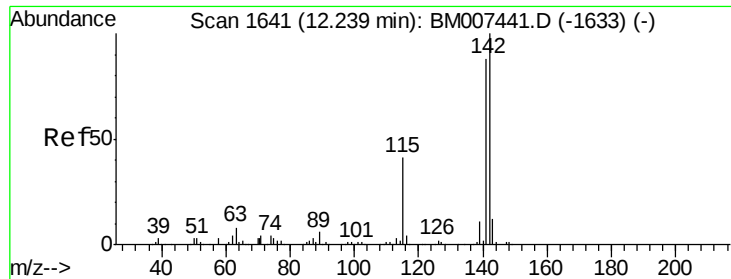
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



Time-->

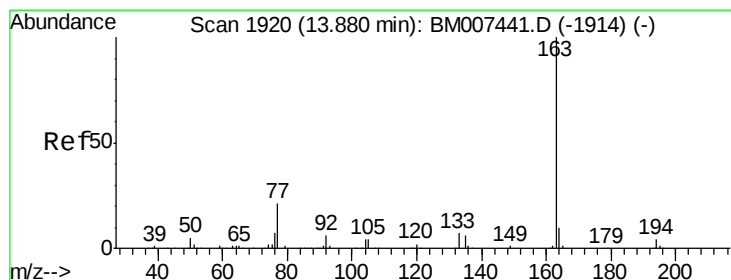
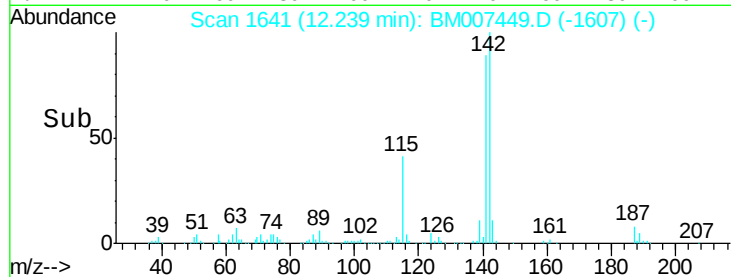
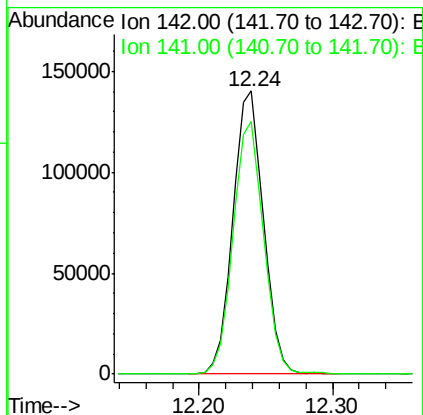
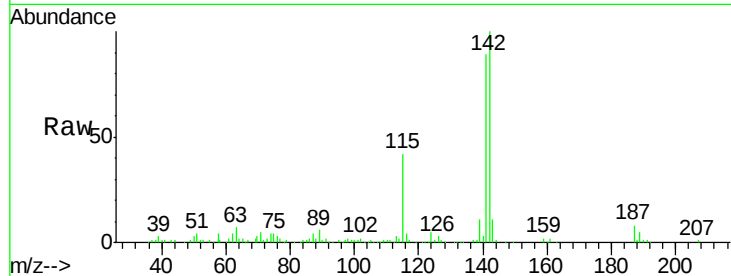




#34
 2-Methylnaphthalene
 Concen: 4.16 ng/ul
 RT: 12.24 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: BM007449.D
 Acq: 07 Sep 2016 21:18

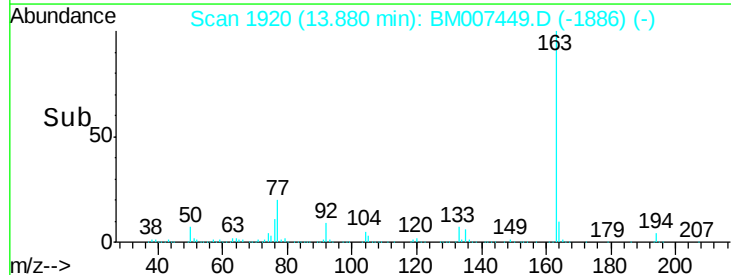
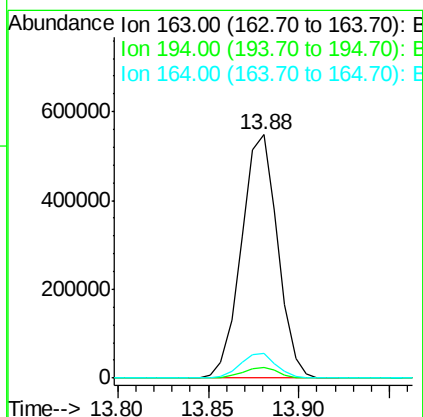
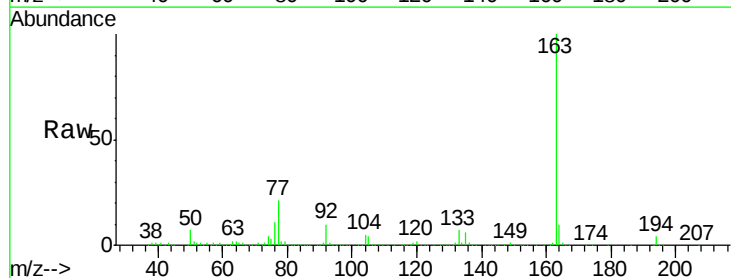
Instrument :
 BNA_M
 ClientSampleId :
 BD3A1

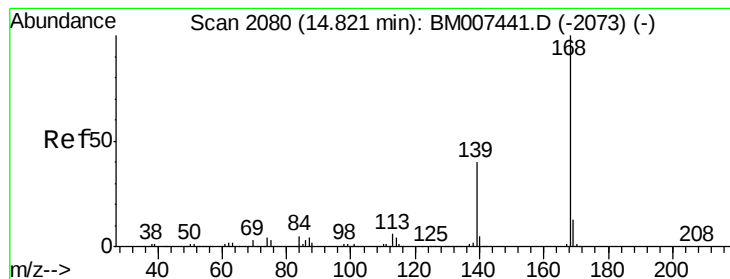
Tgt Ion:142 Resp: 223318
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.3 106.9



#44
 Dimethylphthalate
 Concen: 9.78 ng/ul
 RT: 13.88 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: BM007449.D
 Acq: 07 Sep 2016 21:18

Tgt Ion:163 Resp: 757668
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.4 5.2
 164 10.0 7.8 11.8





#53

Dibenzenofuran

Concen: 1.82 ng/ul

RT: 14.82 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

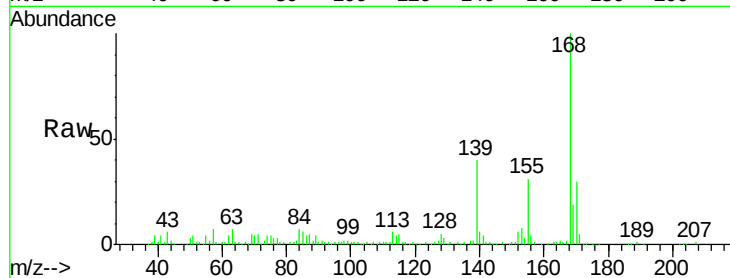
BD3A1

Tgt Ion:168 Resp: 164474

Ion Ratio Lower Upper

168 100

139 40.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

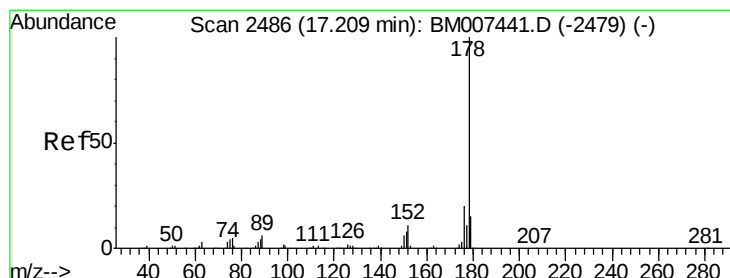
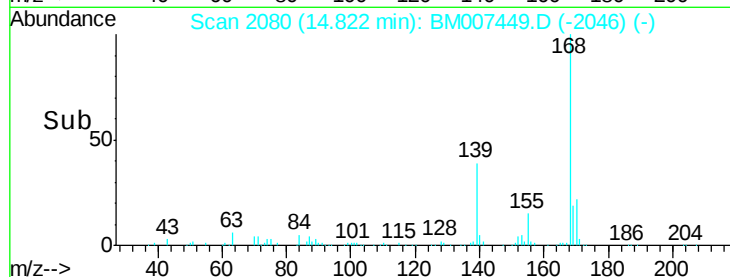
14.82

100000

50000

0

Time--> 14.75 14.80 14.85 14.90



#69

Phenanthrene

Concen: 6.57 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

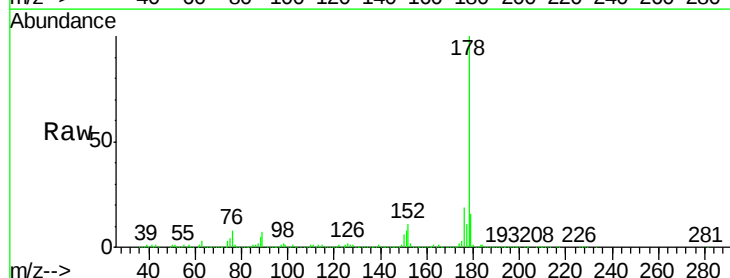
Tgt Ion:178 Resp: 786242

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

176 18.8 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

17.21

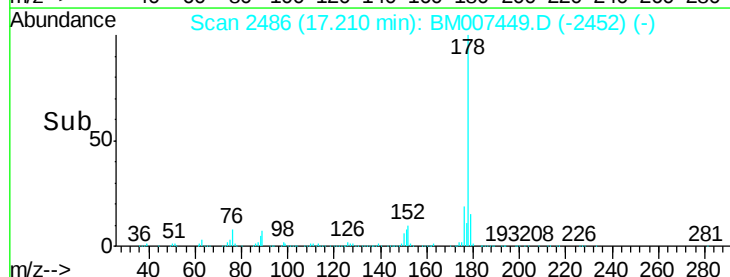
600000

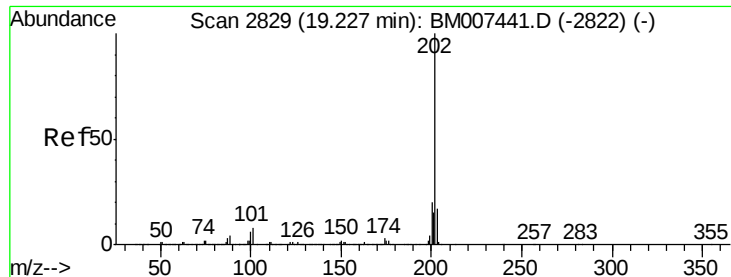
400000

200000

0

Time--> 17.15 17.20 17.25

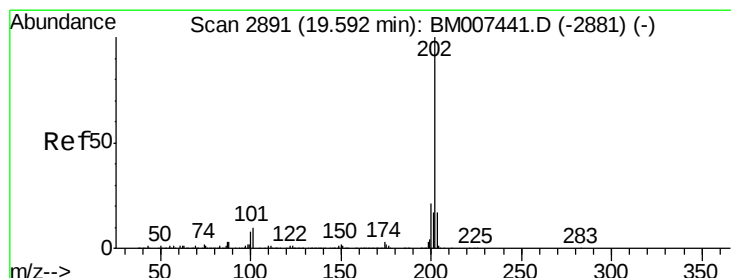
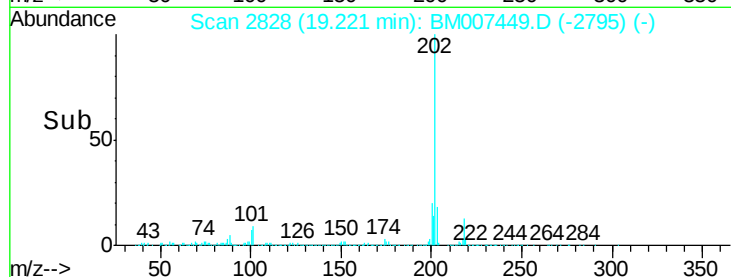
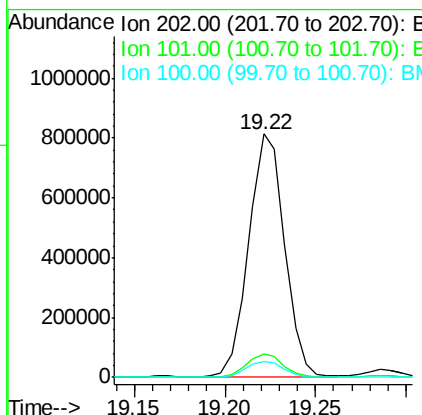
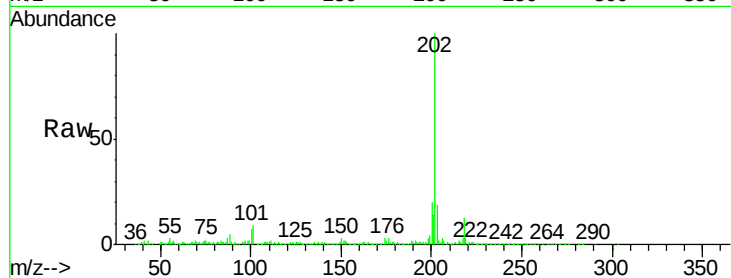




#74
 Fluoranthene
 Concen: 7.40 ng/ul
 RT: 19.22 min Scan# 2828
 Delta R.T. -0.01 min
 Lab File: BM007449.D
 Acq: 07 Sep 2016 21:18

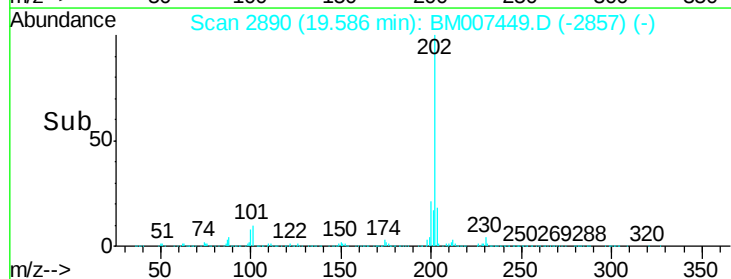
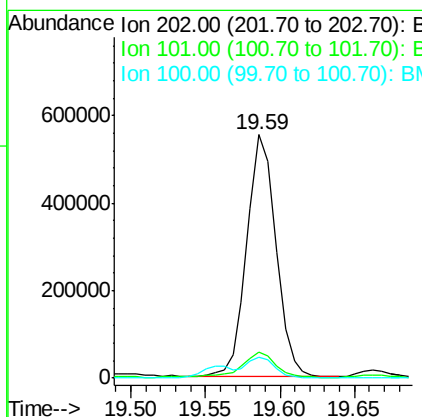
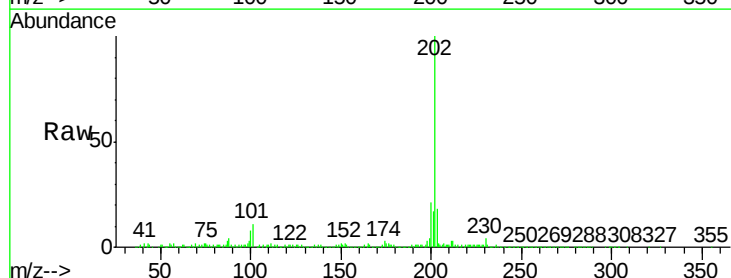
Instrument :
 BNA_M
 ClientSampleId :
 BD3A1

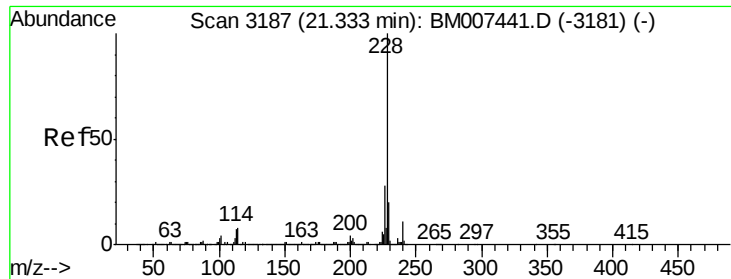
Tgt Ion:202 Resp: 1111275
 Ion Ratio Lower Upper
 202 100
 101 9.4 6.9 10.3
 100 6.7 5.4 8.0



#77
 Pyrene
 Concen: 5.05 ng/ul
 RT: 19.59 min Scan# 2890
 Delta R.T. -0.01 min
 Lab File: BM007449.D
 Acq: 07 Sep 2016 21:18

Tgt Ion:202 Resp: 747489
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.4 12.6
 100 8.4 6.9 10.3





#80

Benzo(a)anthracene

Concen: 3.68 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.04 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

BD3A1

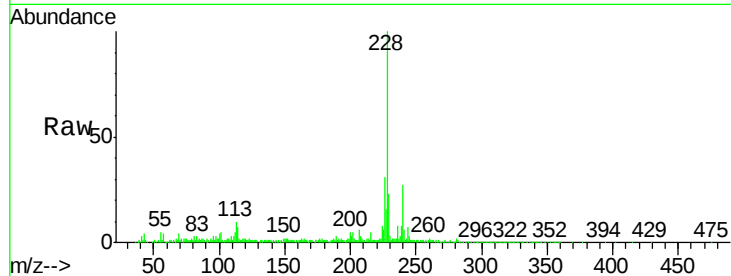
Tgt Ion:228 Resp: 599820

Ion Ratio Lower Upper

228 100

229 23.3 15.6 23.4

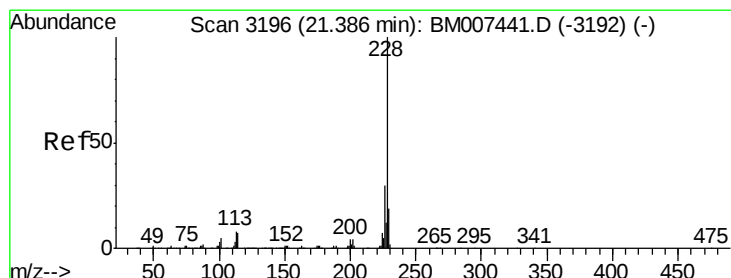
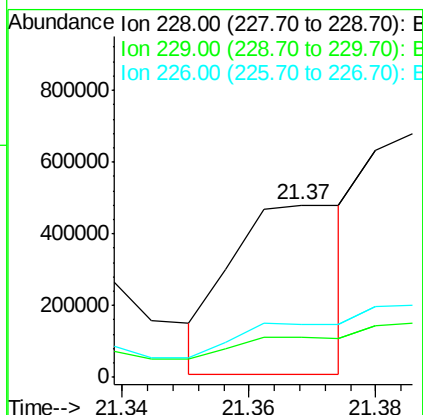
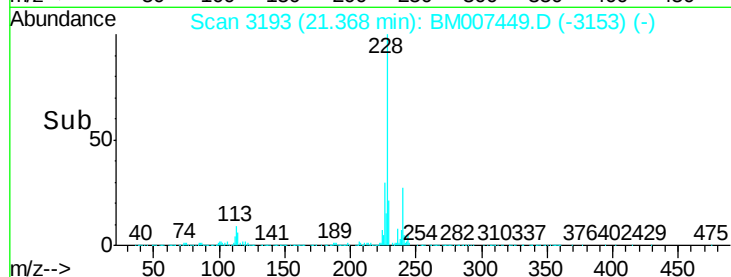
226 30.8 21.8 32.8



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



#82

Chrysene

Concen: 4.78 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

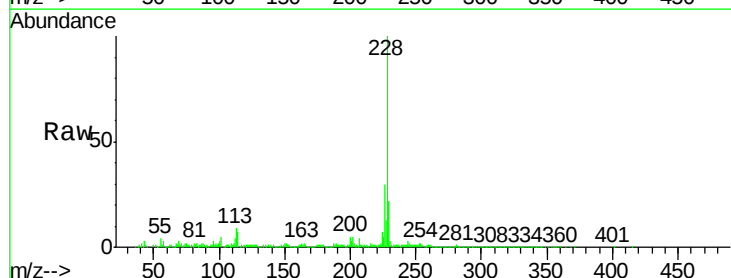
Tgt Ion:228 Resp: 704514

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

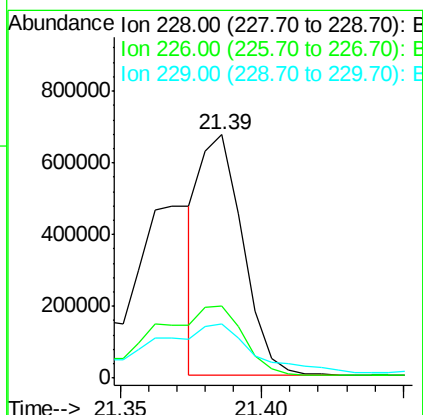
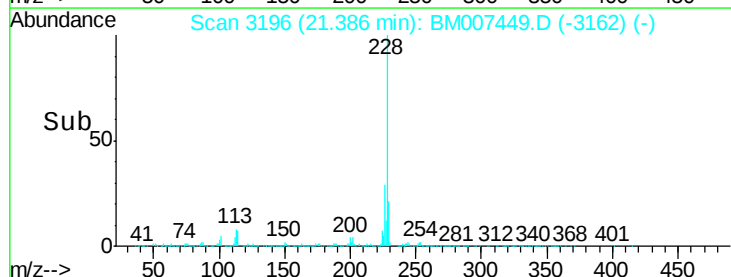
229 22.3 15.5 23.3

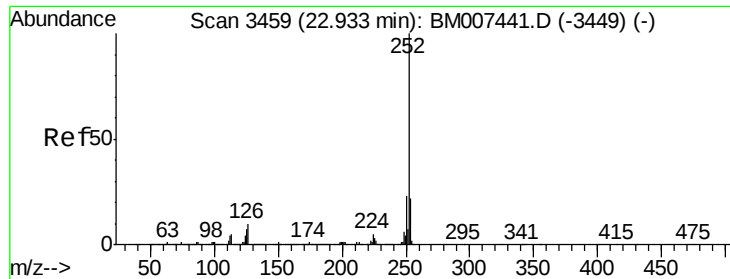


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 8.59 ng/ul

RT: 22.93 min Scan# 3459

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

BD3A1

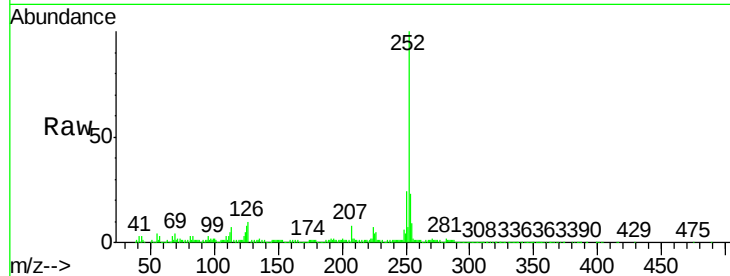
Tgt Ion:252 Resp: 1296086

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

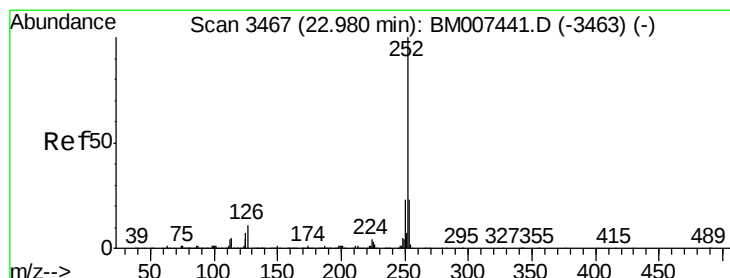
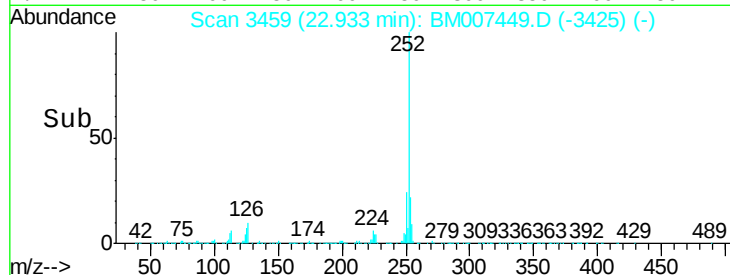
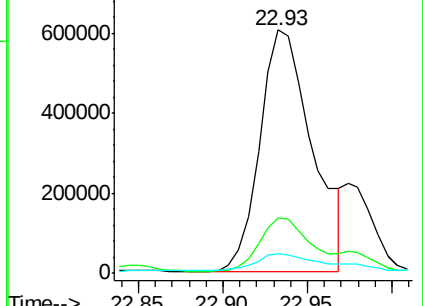
125 8.1 5.8 8.8



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: 9.29 ng/ul

RT: 22.93 min Scan# 3459

Delta R.T. -0.05 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

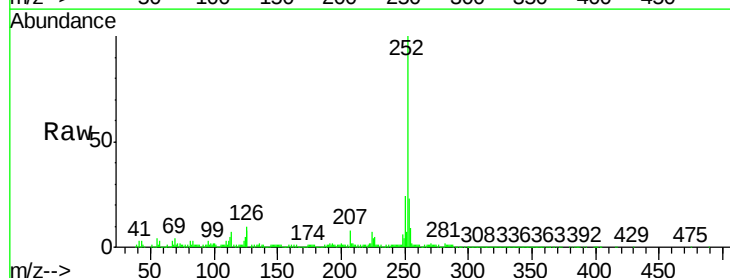
Tgt Ion:252 Resp: 1296086

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

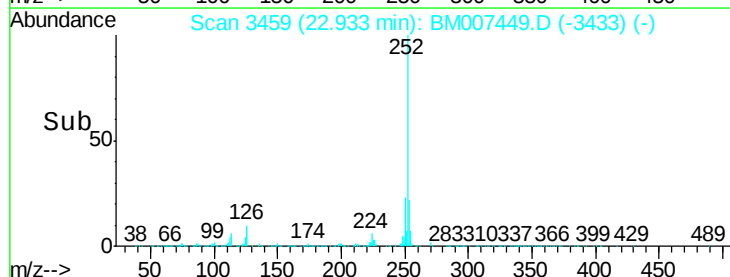
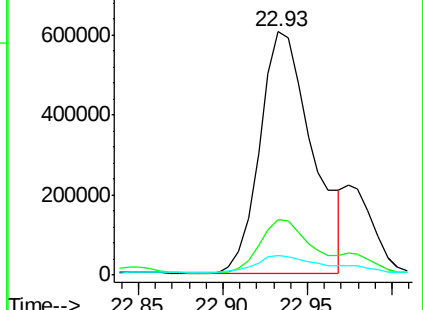
125 8.1 5.7 8.5

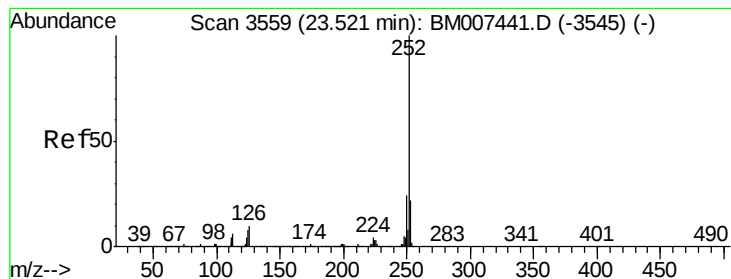


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.97 ng/ul

RT: 23.52 min Scan# 3559

Delta R.T. 0.00 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

BD3A1

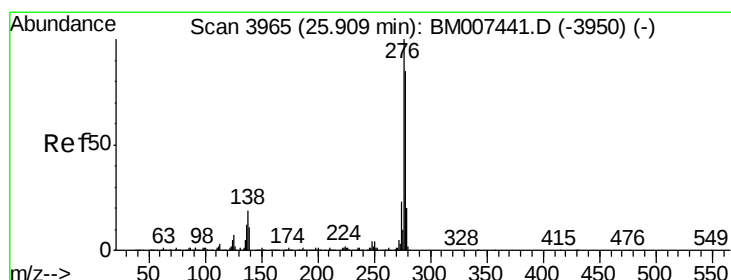
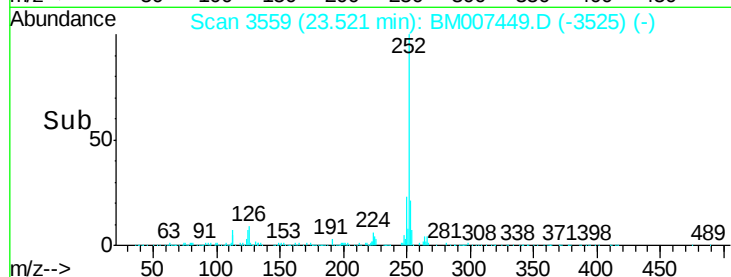
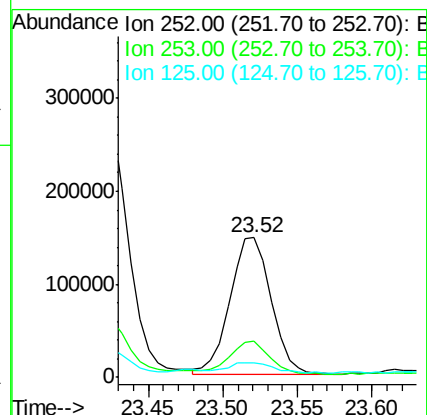
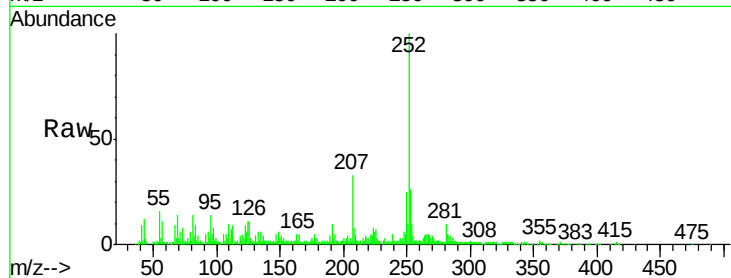
Tgt Ion:252 Resp: 284957

Ion Ratio Lower Upper

252 100

253 25.5 17.7 26.5

125 10.5 6.6 9.8#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.37 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM007449.D

Acq: 07 Sep 2016 21:18

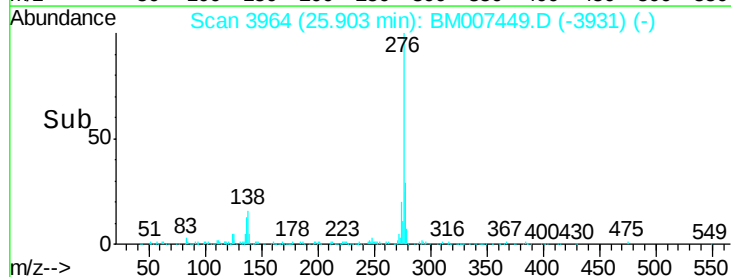
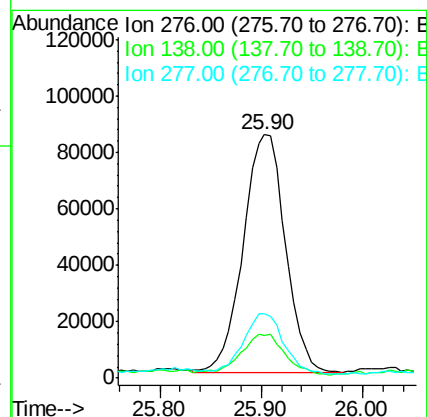
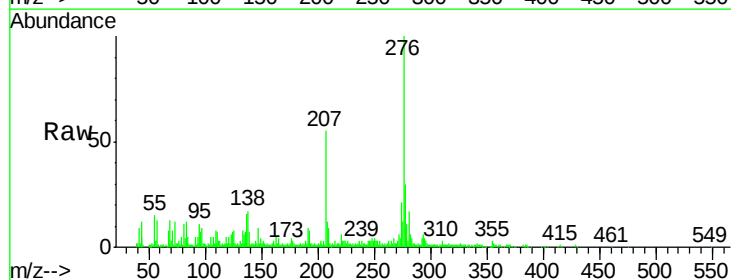
Tgt Ion:276 Resp: 243247

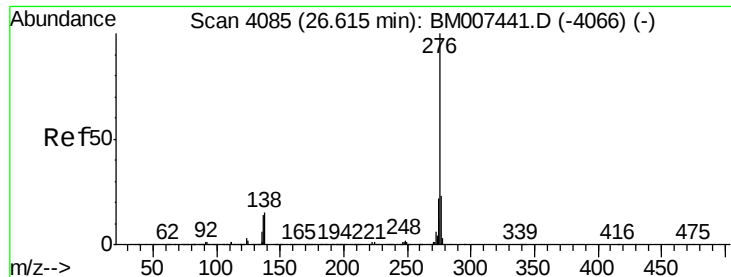
Ion Ratio Lower Upper

276 100

138 17.4 13.9 20.9

277 26.5 20.1 30.1





#91

Benzo(g,h,i)perylene

Concen: 1.33 ng/ul

RT: 26.61 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BM007449.D

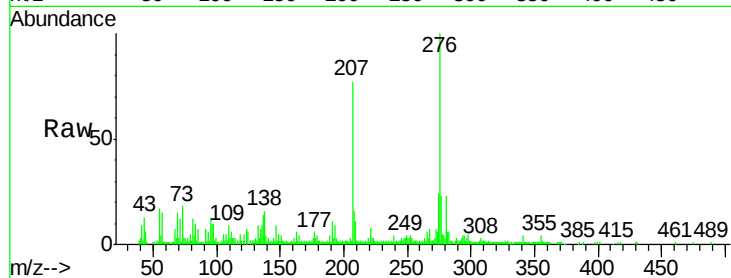
Acq: 07 Sep 2016 21:18

Instrument :

BNA_M

ClientSampleId :

BD3A1



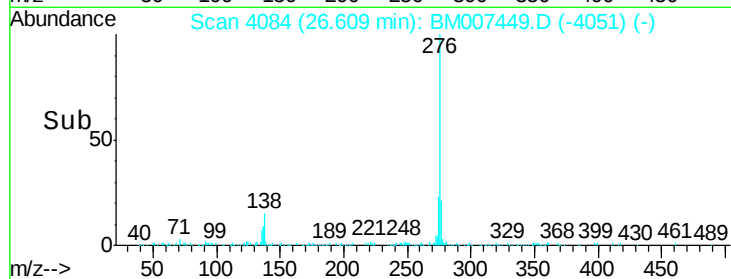
Tgt Ion: 276 Resp: 199450

Ion Ratio Lower Upper

276 100

138 16.2 13.5 20.3

277 22.6 19.3 28.9



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

