

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081716\
 Data File : BM007144.D
 Acq On : 16 Aug 2016 16:36
 Operator : UM/SJ
 Sample : H4436-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA232

Quant Time: Aug 17 11:15:38 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 02:24:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	247431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	979364	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	562970	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1305219	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1674159	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	1743804	20.00	ng/ul	0.00

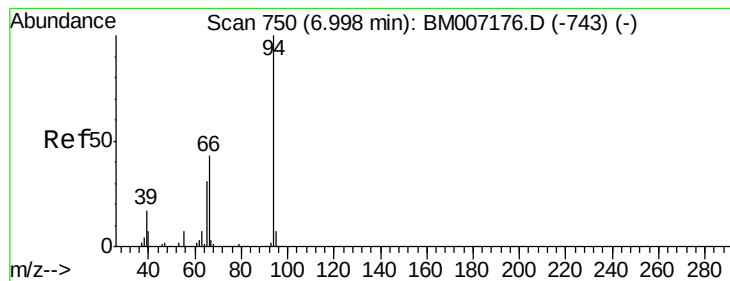
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	33290	5.88	ng/uL	0.00
5) Phenol-d5	6.97	99	638033	31.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	366378	31.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	511517	32.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	502542	30.47	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	233068	32.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	263734	34.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	505828	31.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	537934	28.40	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1550987	33.34	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1853995	33.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	246126	29.52	ng/ul	0.00
57) Fluorene-d10	15.43	176	1298257	31.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	216053	29.95	ng/ul	0.00
70) Anthracene-d10	17.28	188	2053253	33.96	ng/ul	0.00
76) Pyrene-d10	19.57	212	2454936	34.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	2823731	35.40	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.00	94	604160	28.62	ng/ul	98
11) 2-Methylphenol	8.25	108	540546	34.04	ng/ul	99
47) Acenaphthylene	14.16	152	1084176	18.85	ng/ul	99
49) Acenaphthene	14.50	153	734846	19.68	ng/ul	99
53) Dibenzofuran	14.83	168	1276837	23.03	ng/ul	98
56) Diethylphthalate	15.26	149	1423449	29.02	ng/ul	99
58) Fluorene	15.49	166	828134	18.53	ng/ul	98
64) N-Nitrosodiphenylamine	15.70	169	1541951	41.74	ng/ul	99
67) Atrazine	16.65	200	756544	50.81	ng/ul	98
68) Pentachlorophenol	16.83	266	687844	66.86	ng/ul	100
71) Anthracene	17.32	178	925825	12.85	ng/ul	100
73) Di-n-butylphthalate	18.15	149	1864496	24.57	ng/ul	99
78) Butylbenzylphthalate	20.50	149	1210015	33.63	ng/ul	98
84) Di-n-octyl phthalate	22.17	149	2740313	30.46	ng/ul	99
85) Benzo(b)fluoranthene	22.96	252	3524601	33.55	ng/ul	99
86) Benzo(k)fluoranthene	23.00	252	3044152	30.86	ng/ul	100
88) Benzo(a)pyrene	23.54	252	2974520	29.87	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.94	276	4062983	33.29	ng/ul	99
90) Dibenzo(a,h)anthracene	25.95	278	2091321	20.42	ng/ul	99
91) Benzo(g,h,i)perylene	26.64	276	3422047	33.17	ng/ul	98

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



#6

Phenol

Concen: 28.62 ng/ul

RT: 7.00 min Scan# 751

Delta R.T. 0.01 min

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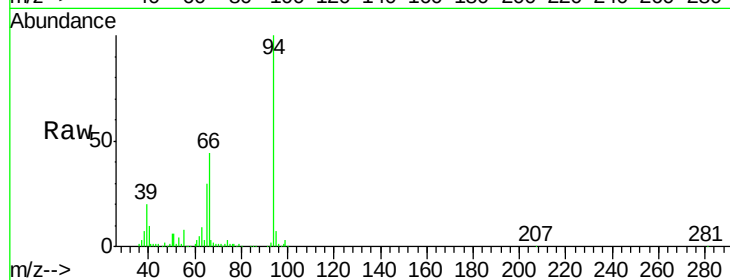
Tot Ion: 94 Resp: 604160

Ion Ratio Lower Upper

94 100

65 30.3 23.9 35.9

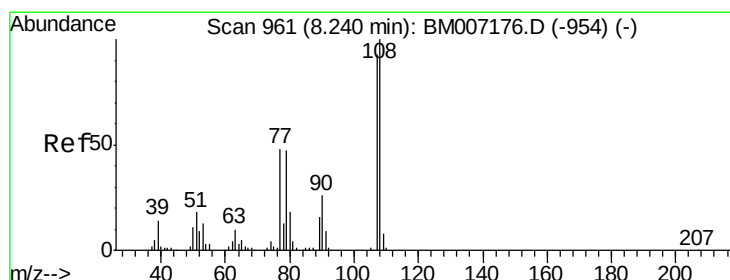
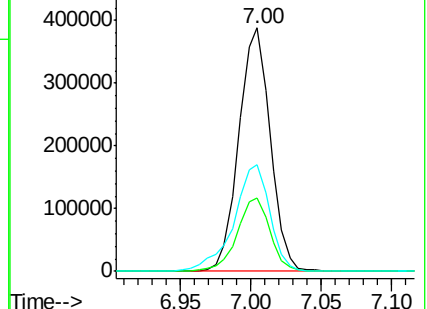
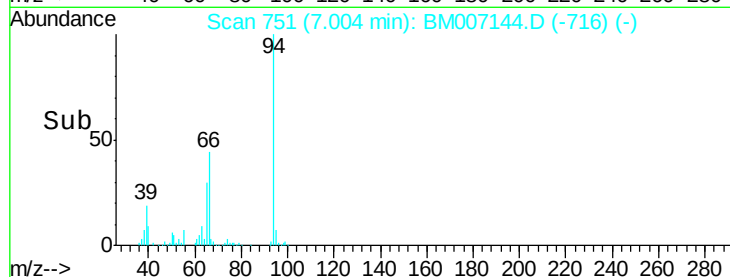
66 43.8 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007176.D (-743) (-)

Ion 65.00 (64.70 to 65.70): BM007176.D (-743) (-)

Ion 66.00 (65.70 to 66.70): BM007176.D (-743) (-)



#11

2-Methylphenol

Concen: 34.04 ng/ul

RT: 8.25 min Scan# 962

Delta R.T. 0.00 min

Lab File: BM007144.D

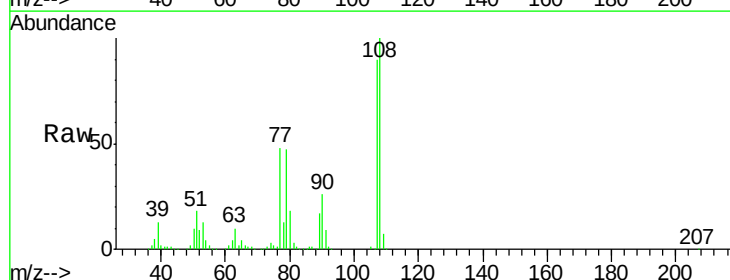
Acq: 16 Aug 2016 16:36

Tgt Ion: 108 Resp: 540546

Ion Ratio Lower Upper

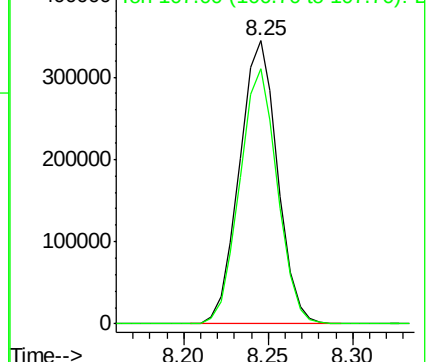
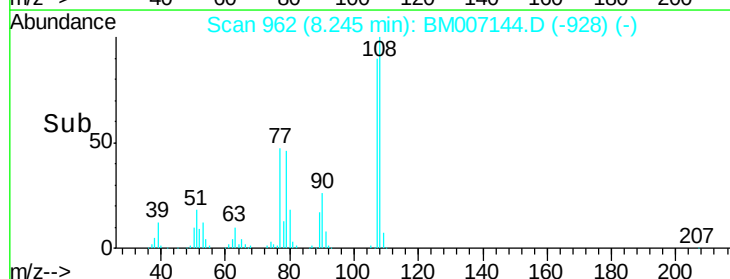
108 100

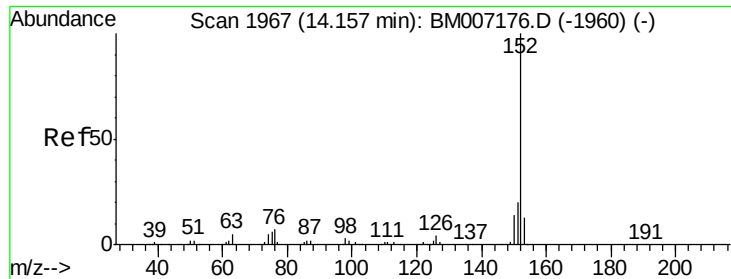
107 90.3 71.8 107.6



Abundance Ion 108.00 (107.70 to 108.70): BM007176.D (-954) (-)

Ion 107.00 (106.70 to 107.70): BM007176.D (-954) (-)





#47

Acenaphthylene

Concen: 18.85 ng/ul

RT: 14.16 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Instrument :

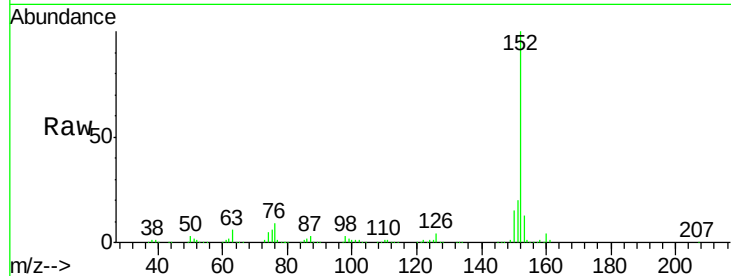
BNA_M

ClientSampleId :

DA232

Tot Ion:152 Resp: 1084176

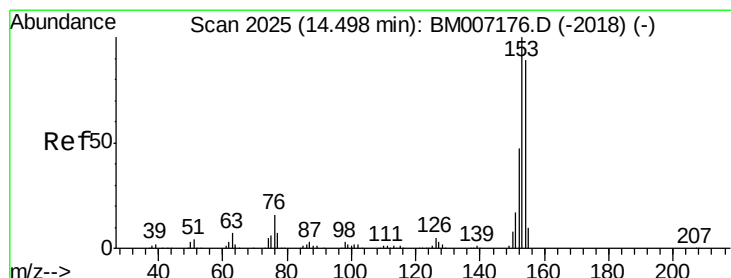
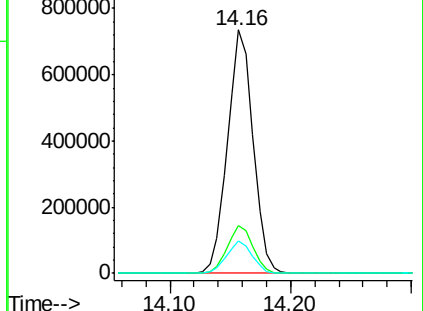
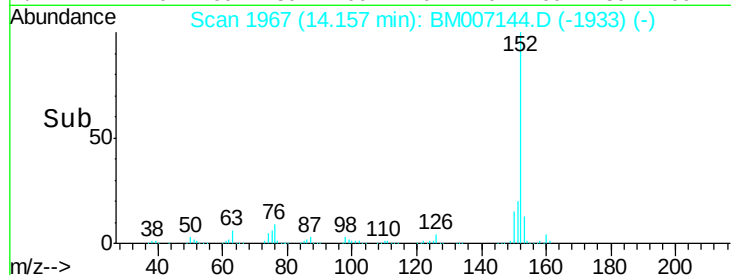
Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.2	11.0	16.6



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



#49

Acenaphthene

Concen: 19.68 ng/ul

RT: 14.50 min Scan# 2025

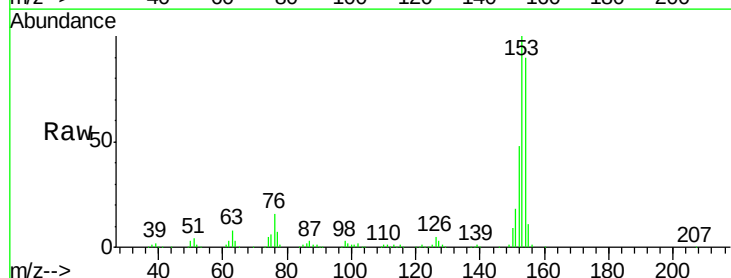
Delta R.T. -0.01 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Tgt Ion:153 Resp: 734846

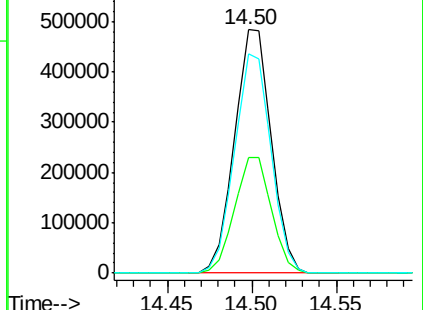
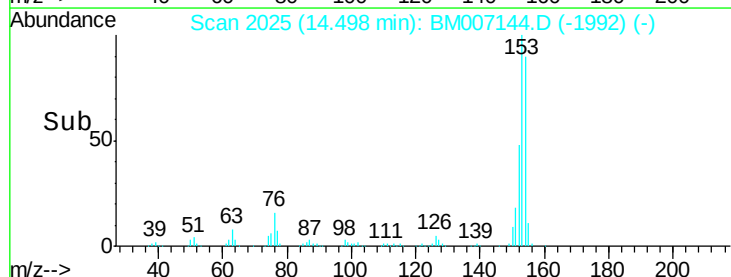
Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.8	56.6
154	90.0	71.4	107.0

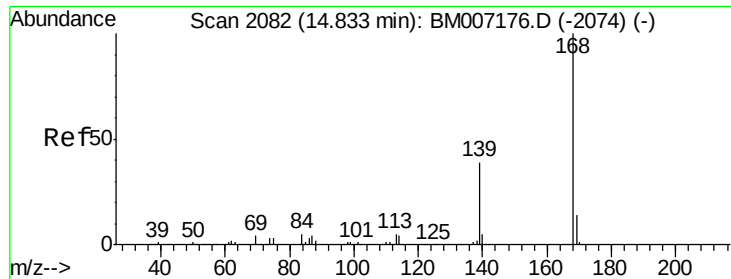


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 23.03 ng/ul

RT: 14.83 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Instrument :

BNA_M

ClientSampleId :

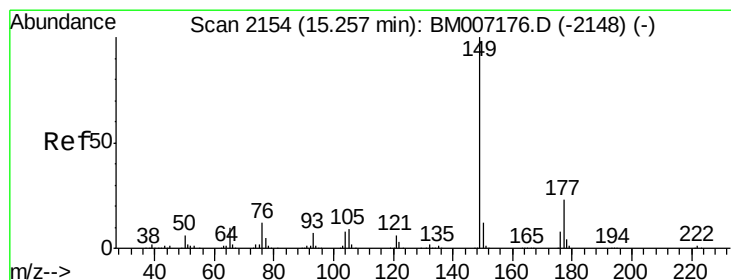
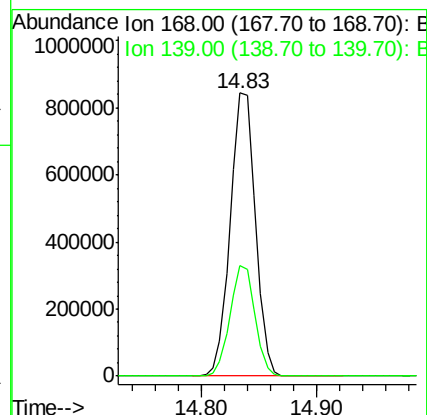
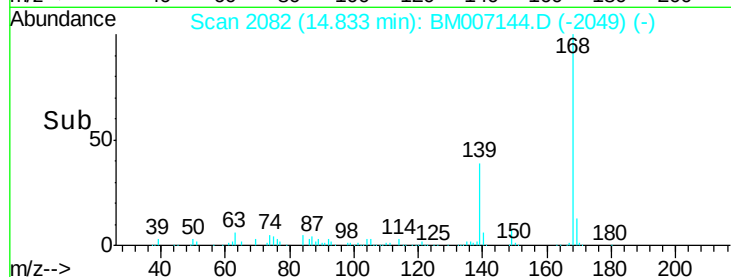
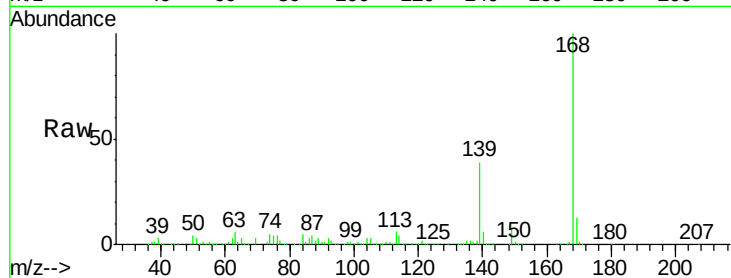
DA232

Tot Ion:168 Resp: 1276837

Ion Ratio Lower Upper

168 100

139 38.9 30.1 45.1



#56

Diethylphthalate

Concen: 29.02 ng/ul

RT: 15.26 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

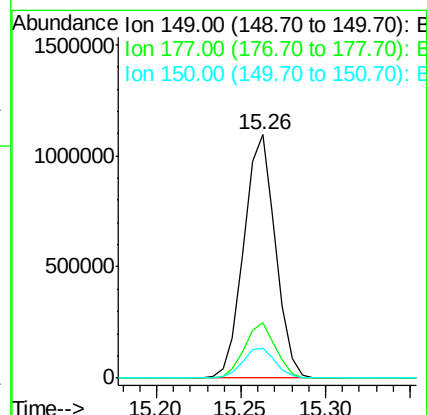
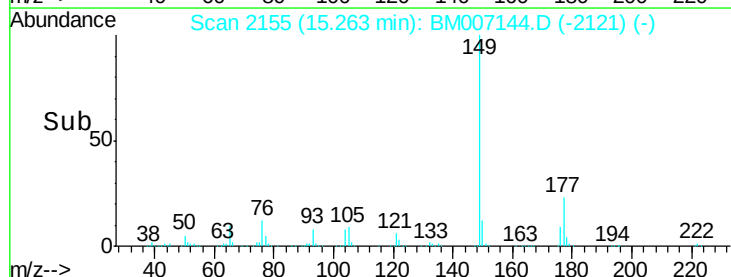
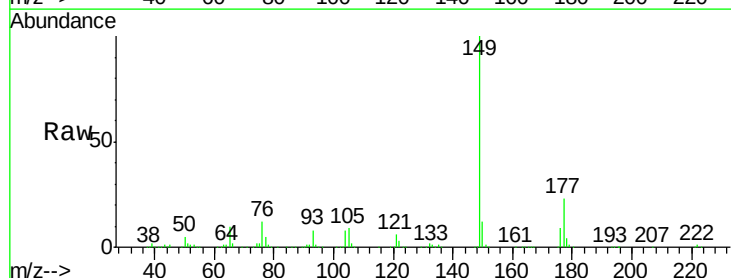
Tgt Ion:149 Resp: 1423449

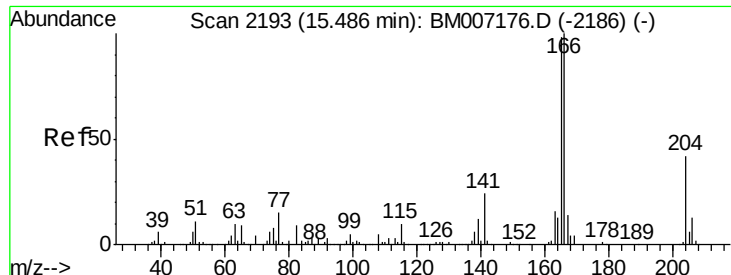
Ion Ratio Lower Upper

149 100

177 22.7 18.6 28.0

150 12.4 10.0 15.0

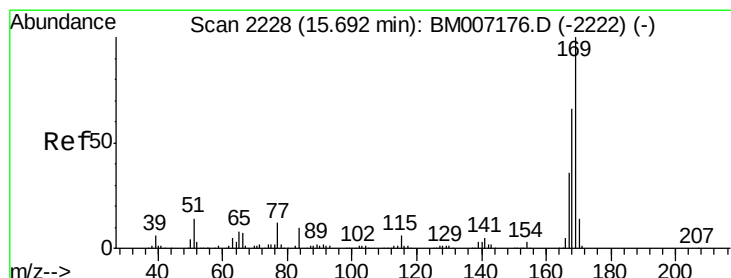
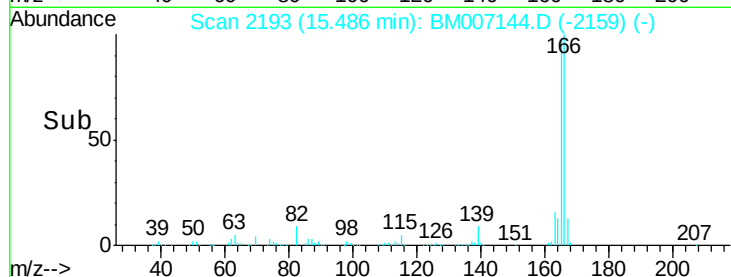
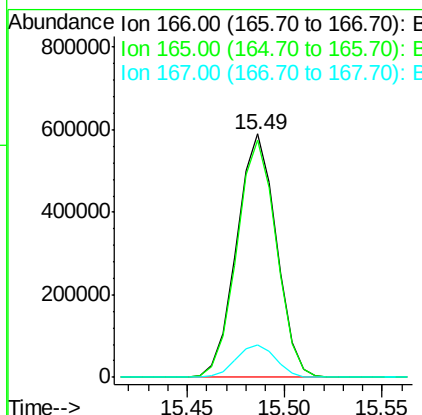
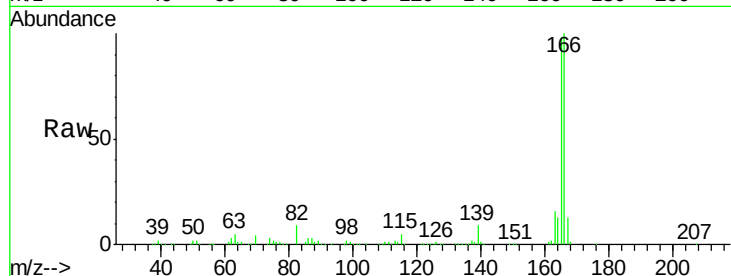




#58
 Fluorene
 Concen: 18.53 ng/ul
 RT: 15.49 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: BM007144.D
 Acq: 16 Aug 2016 16:36

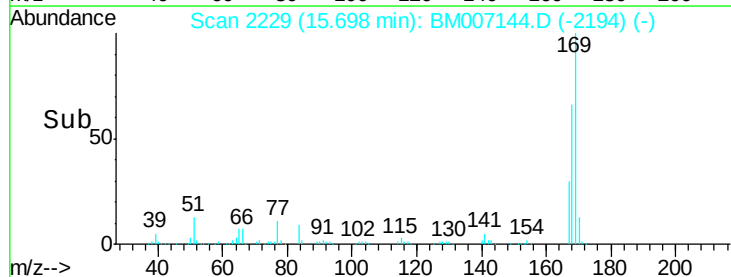
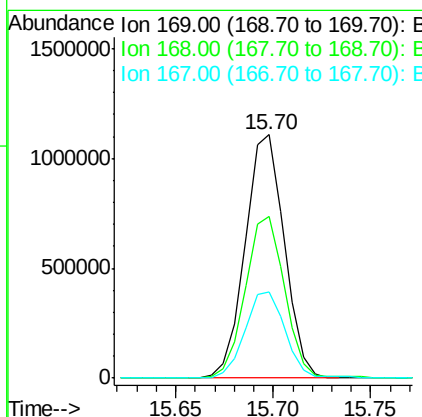
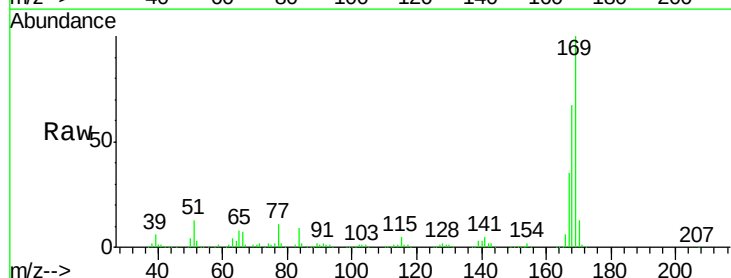
Instrument :
 BNA_M
 ClientSampleId :
 DA232

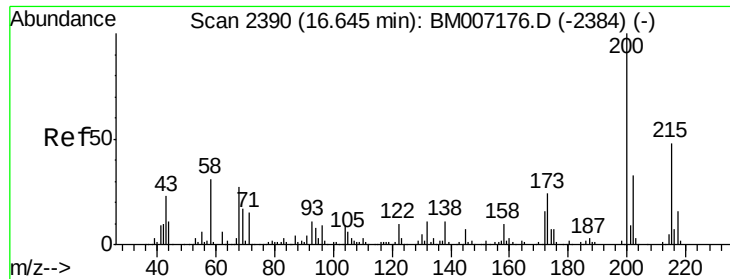
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.9	119.9
167	13.5	10.5	15.7



#64
 N-Nitrosodiphenylamine
 Concen: 41.74 ng/ul
 RT: 15.70 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BM007144.D
 Acq: 16 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.6	79.0
167	35.5	28.6	43.0

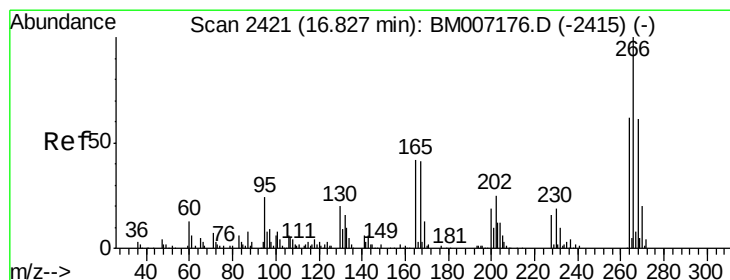
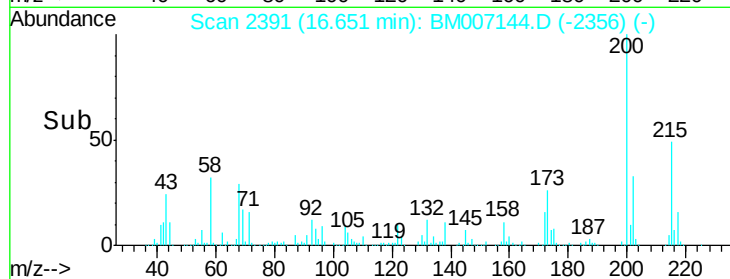
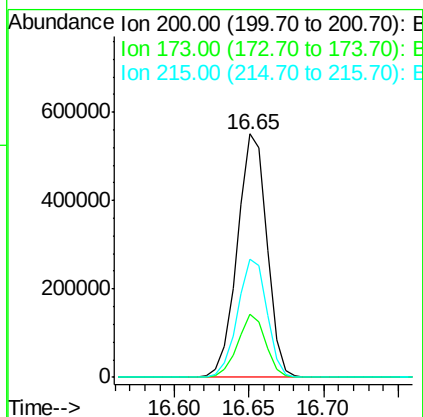
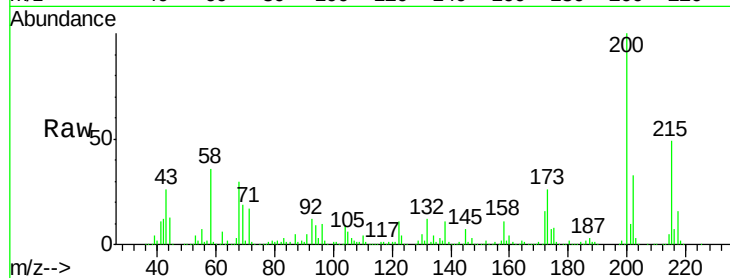




#67
 Atrazine
 Concen: 50.81 ng/ul
 RT: 16.65 min Scan# 2391
 Delta R.T. 0.01 min
 Lab File: BM007144.D
 Acq: 16 Aug 2016 16:36

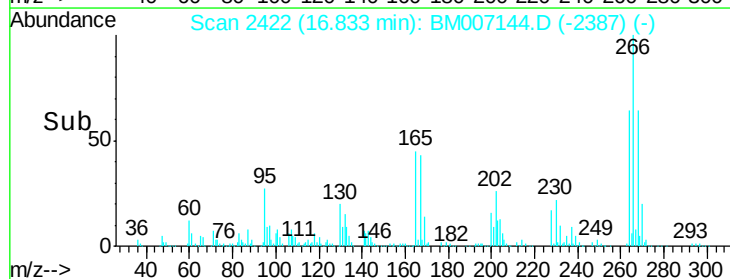
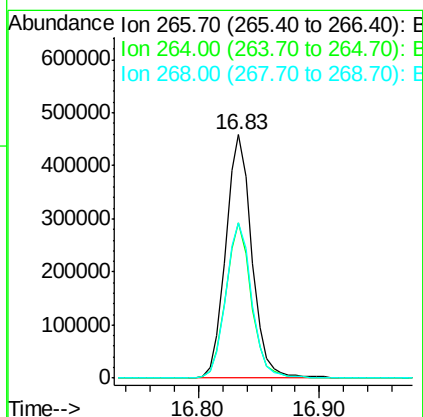
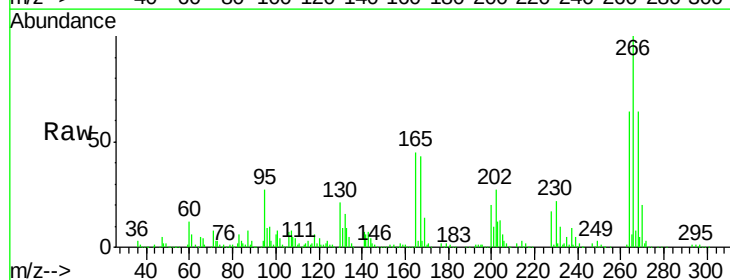
Instrument :
 BNA_M
 ClientSampleId :
 DA232

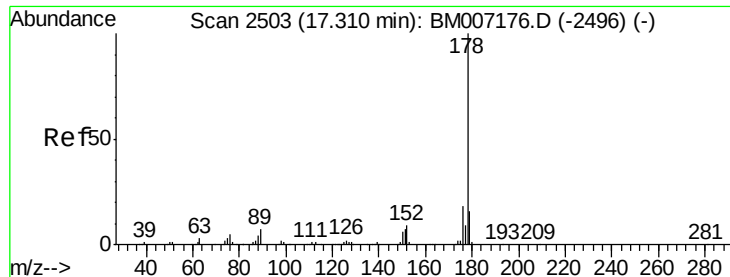
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.0	18.9	28.3
215	48.8	39.5	59.3



#68
 Pentachlorophenol
 Concen: 66.86 ng/ul
 RT: 16.83 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: BM007144.D
 Acq: 16 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.9	50.6	75.8
268	63.7	51.0	76.6

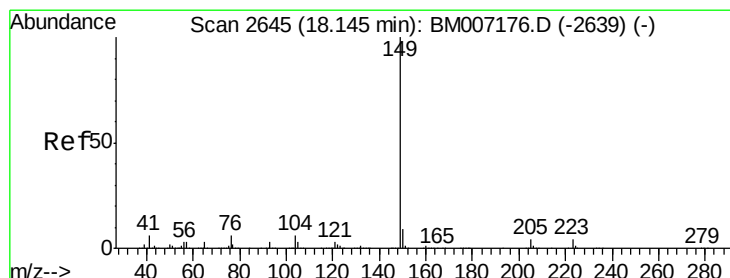
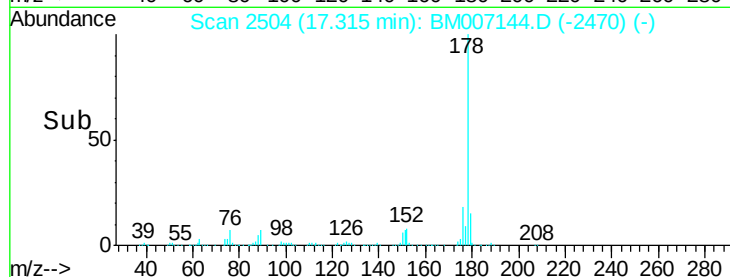
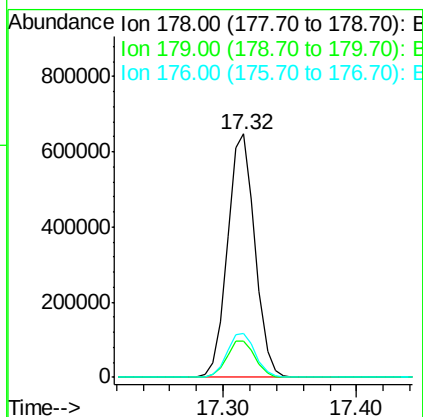
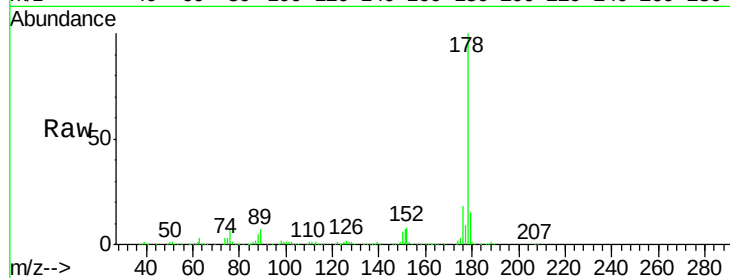




#71
 Anthracene
 Concen: 12.85 ng/ul
 RT: 17.32 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: BM007144.D
 Acq: 16 Aug 2016 16:36

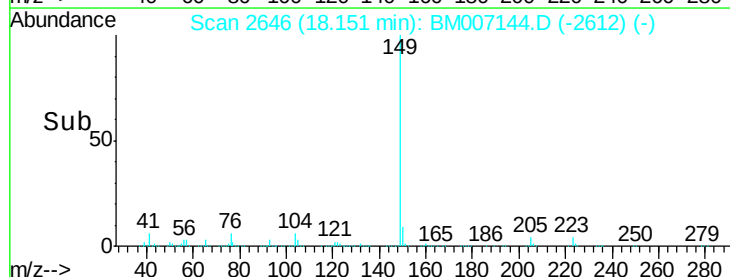
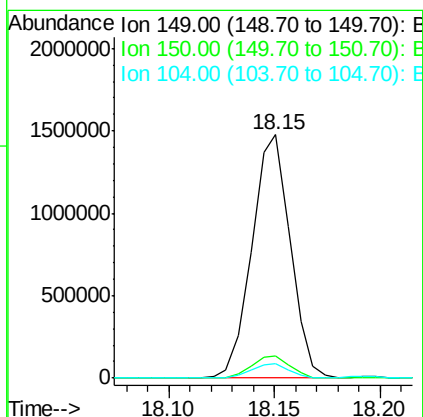
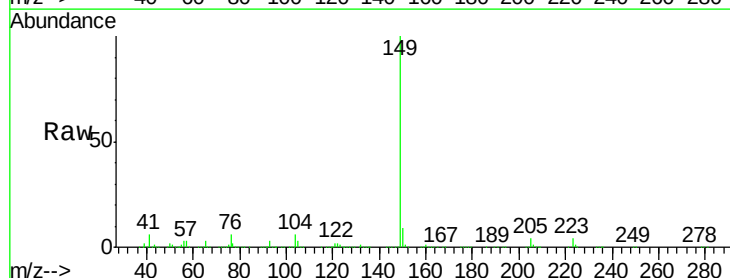
Instrument :
 BNA_M
 ClientSampleId :
 DA232

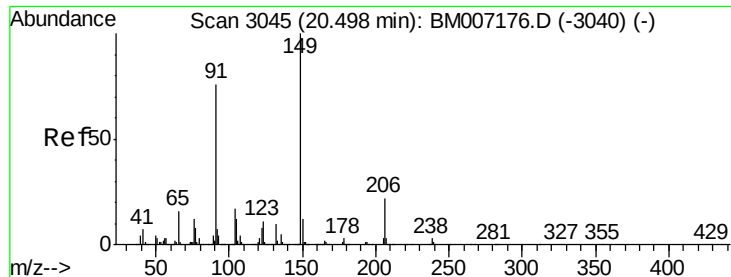
Tot Ion:178 Resp: 925825
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.1 18.1
 176 18.3 14.5 21.7



#73
 Di-n-butylphthalate
 Concen: 24.57 ng/ul
 RT: 18.15 min Scan# 2646
 Delta R.T. -0.00 min
 Lab File: BM007144.D
 Acq: 16 Aug 2016 16:36

Tgt Ion:149 Resp: 1864496
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.6 11.4
 104 5.7 4.6 7.0

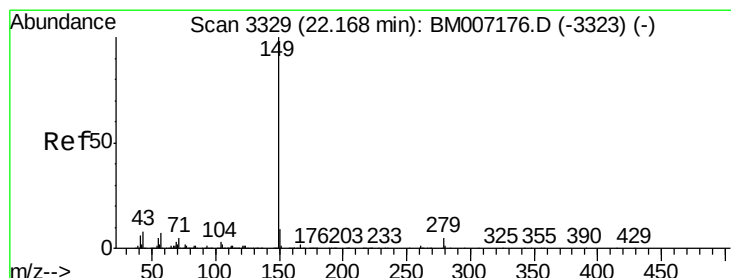
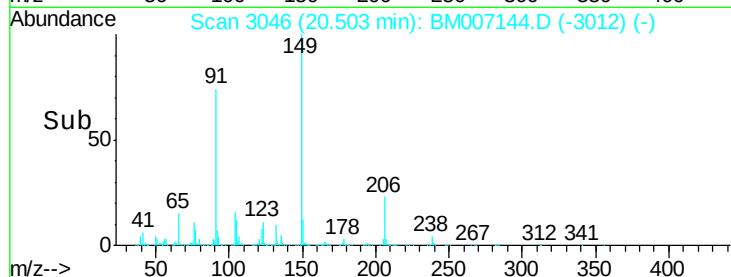
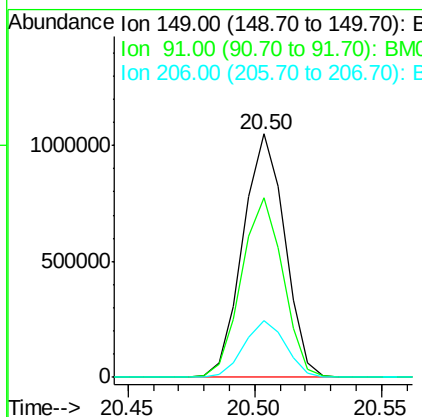
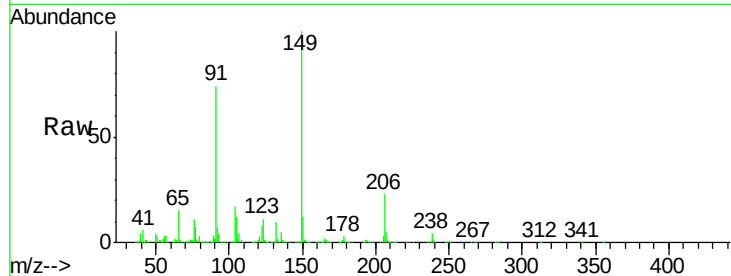




#78
Butylbenzylphthalate
Concen: 33.63 ng/ul
RT: 20.50 min Scan# 3046
Delta R.T. -0.00 min
Lab File: BM007144.D
Acq: 16 Aug 2016 16:36

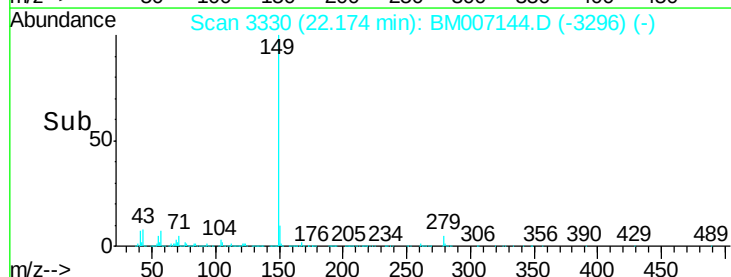
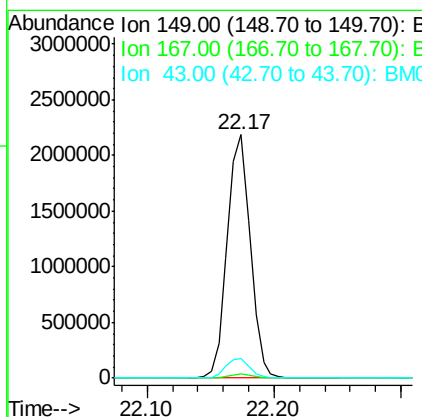
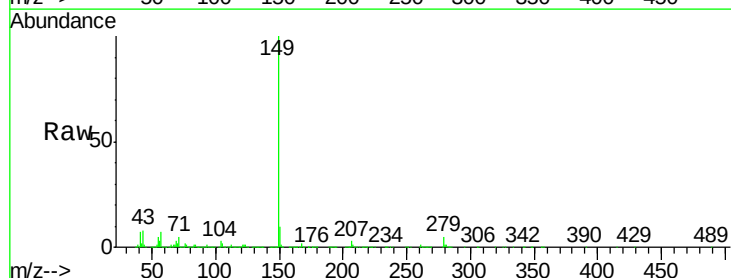
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BNA_M
ClientSampleId :
DA232

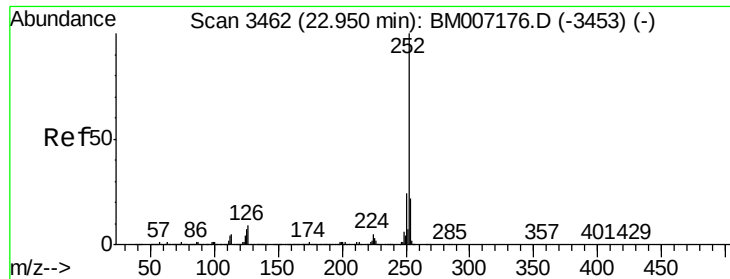
Tot Ion:149 Resp: 1210015
Ion Ratio Lower Upper
149 100
91 73.7 57.3 85.9
206 23.3 18.6 27.8



#84
Di-n-octyl phthalate
Concen: 30.46 ng/ul
RT: 22.17 min Scan# 3330
Delta R.T. -0.00 min
Lab File: BM007144.D
Acq: 16 Aug 2016 16:36

Tgt Ion:149 Resp: 2740313
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.6 10.0





#85

Benzo(b)fluoranthene

Concen: 33.55 ng/ul

RT: 22.96 min Scan# 3463

Delta R.T. -0.00 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Instrument :

BNA_M

ClientSampleId :

DA232

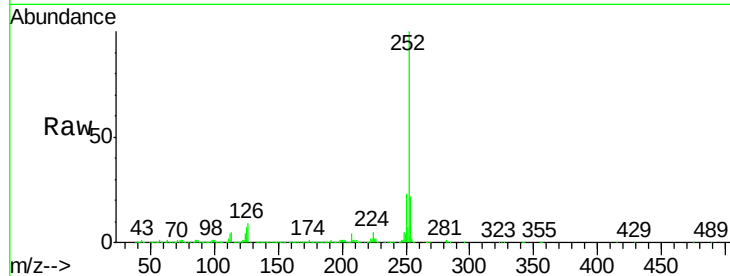
Tot Ion:252 Resp: 3524601

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

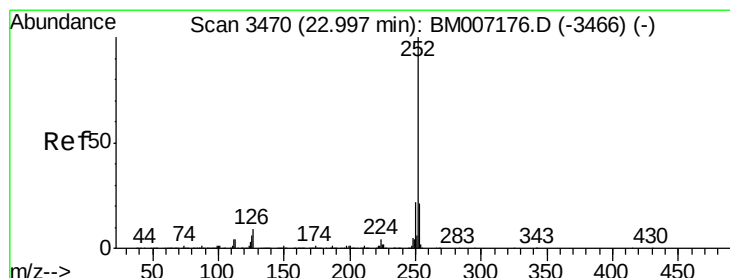
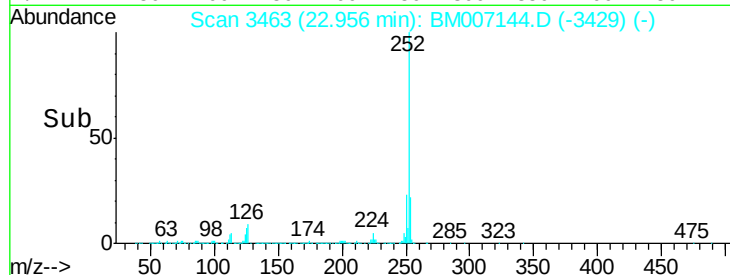
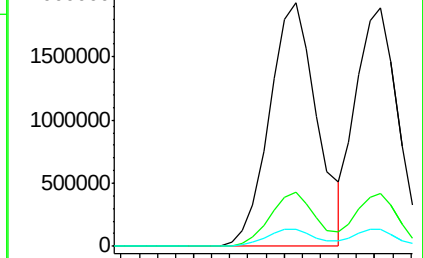
125 6.9 5.8 8.8



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: 30.86 ng/ul

RT: 23.00 min Scan# 3471

Delta R.T. 0.01 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

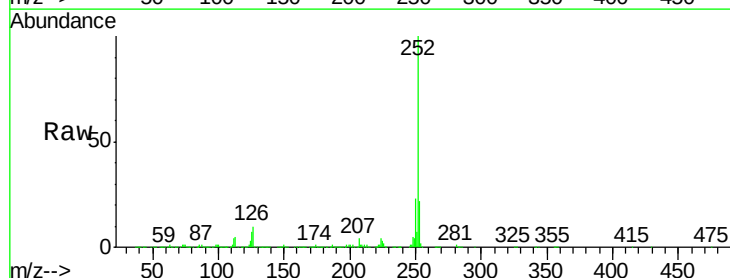
Tgt Ion:252 Resp: 3044152

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

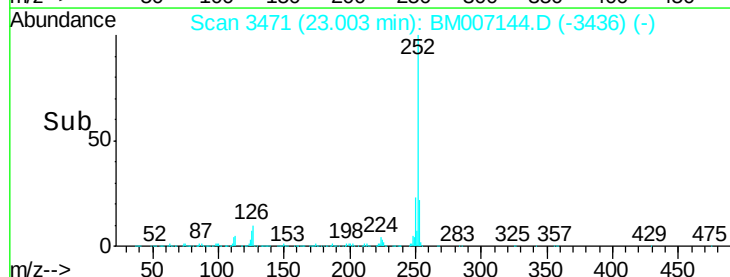
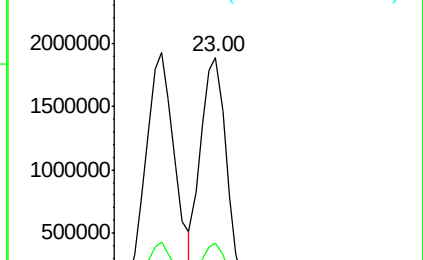
125 6.9 5.7 8.5

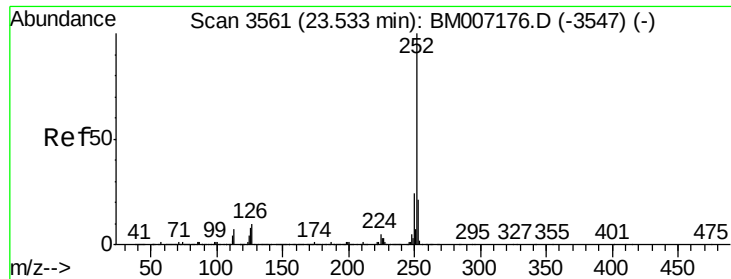


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 29.87 ng/ul

RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Instrument :

BNA_M

ClientSampleId :

DA232

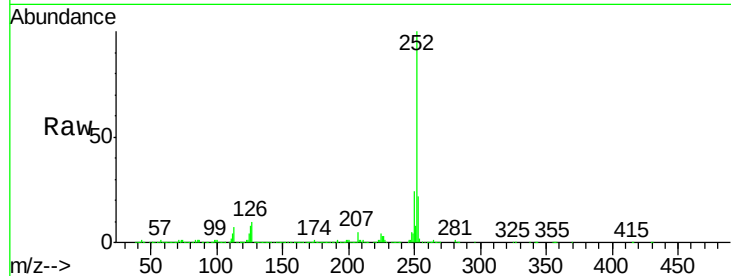
Tot Ion:252 Resp: 2974520

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

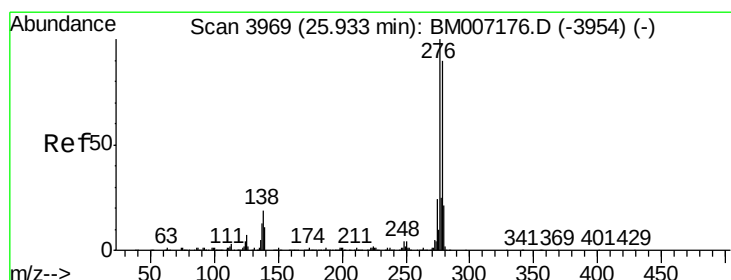
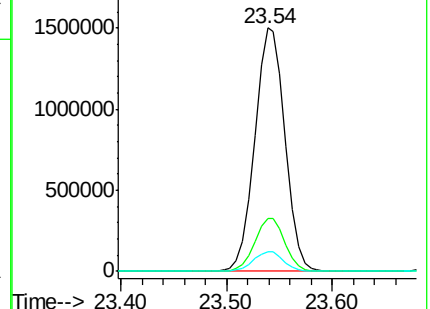
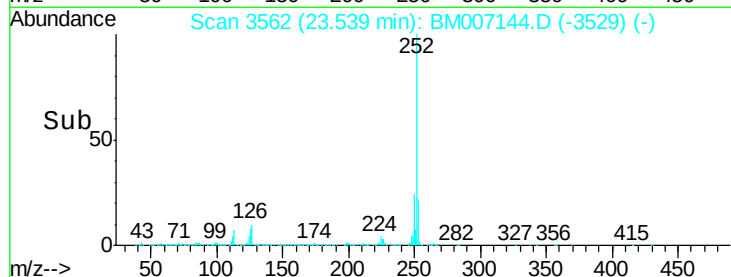
125 8.1 6.6 9.8



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: 33.29 ng/ul

RT: 25.94 min Scan# 3970

Delta R.T. 0.01 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

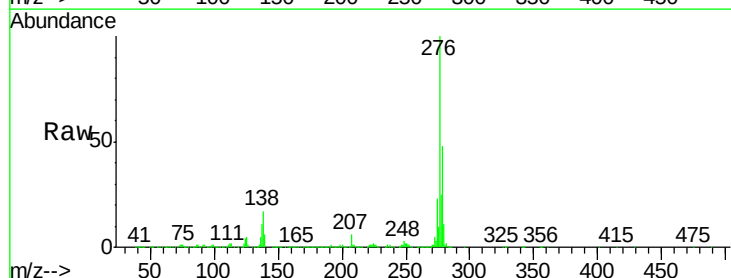
Tgt Ion:276 Resp: 4062983

Ion Ratio Lower Upper

276 100

138 16.9 13.9 20.9

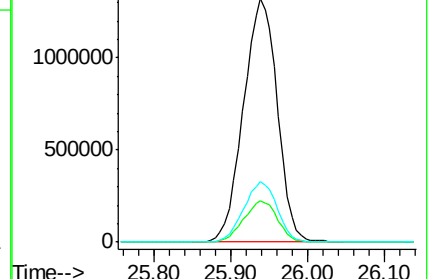
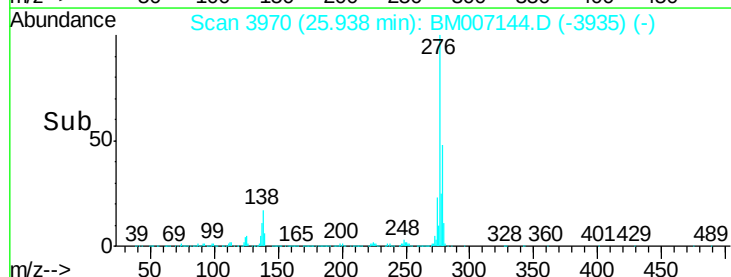
277 24.8 20.1 30.1

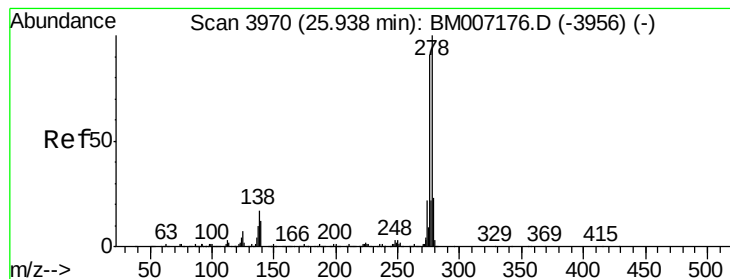


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 20.42 ng/ul

RT: 25.95 min Scan# 3972

Delta R.T. -0.00 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Instrument :

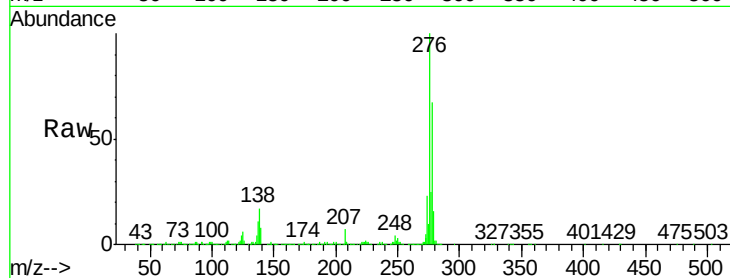
BNA_M

ClientSampleId :

DA232

Tot Ion:278 Resp: 2091321

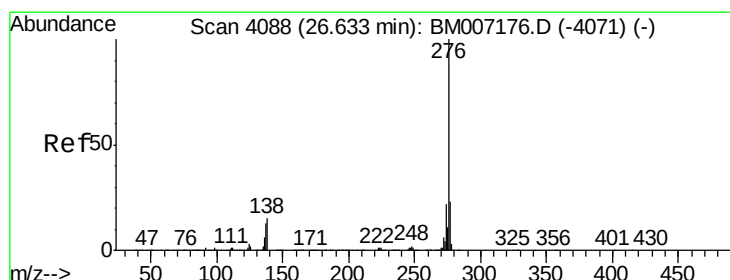
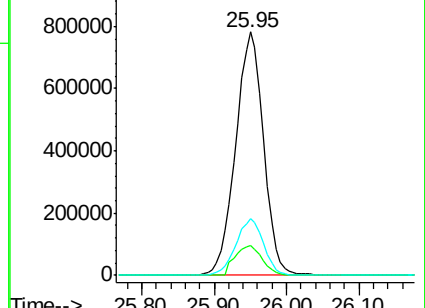
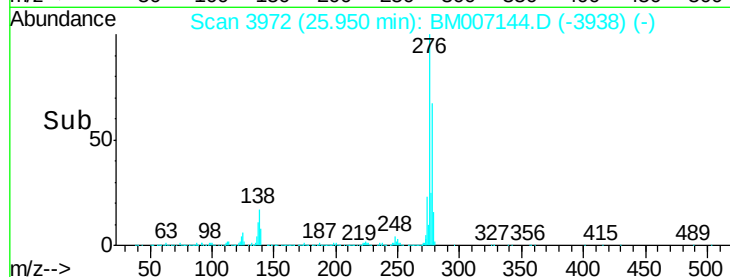
Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.5	14.3
279	23.1	19.1	28.7



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



#91

Benzo(g,h,i)perylene

Concen: 33.17 ng/ul

RT: 26.64 min Scan# 4090

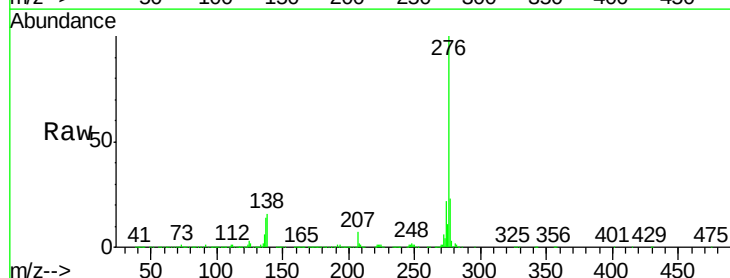
Delta R.T. 0.01 min

Lab File: BM007144.D

Acq: 16 Aug 2016 16:36

Tgt Ion:276 Resp: 3422047

Ion	Ratio	Lower	Upper
276	100		
138	15.6	13.5	20.3
277	23.5	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

