

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
 Data File : BM004904.D
 Acq On : 06 Apr 2016 14:36
 Operator : UM/SJ
 Sample : H1940-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9SE7

Quant Time: Apr 07 11:26:48 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM040116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 07 04:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	40672	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	191267	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.46	164	119789	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.20	188	310374	20.00	ng/ul	0.00
78) Chrysene-d12	21.39	240	382962	20.00	ng/ul	0.00
86) Perylene-d12	23.68	264	374812	20.00	ng/ul	0.00

System Monitoring Compounds

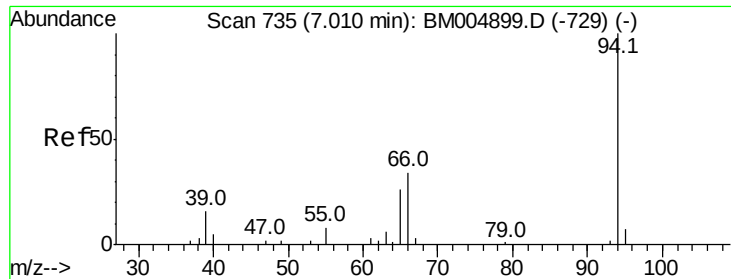
3) 1,4-Dioxane-d8	3.31	96	5622	5.59	ng/uL	0.00
5) Phenol-d5	6.99	99	127315	35.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	70586	36.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	97185	35.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	105413	34.73	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	46416	34.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	51934	34.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	103215	36.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	29262	8.72	ng/ul	0.00
44) Dimethylphthalate-d6	13.86	166	356577	37.73	ng/ul	0.00
47) Acenaphthylene-d8	14.15	160	406771	35.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	64059	34.28	ng/ul	0.01
58) Fluorene-d10	15.45	176	309069	37.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.57	200	56793	30.54	ng/ul	0.00
71) Anthracene-d10	17.30	188	519708	37.42	ng/ul	0.00
79) Pyrene-d10	19.59	212	613890	36.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.53	264	633250	38.13	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.01	94	98224	26.02	ng/ul	99
11) 2-Methylphenol	8.26	108	91931	30.87	ng/ul	99
48) Acenaphthylene	14.17	152	205811	17.10	ng/ul	100
50) Acenaphthene	14.52	153	140091	17.38	ng/ul	100
54) Dibenzofuran	14.86	168	242839	20.76	ng/ul	94
57) Diethylphthalate	15.27	149	275075	28.22	ng/ul	99
59) Fluorene	15.50	166	165295	17.74	ng/ul	100
65) N-Nitrosodiphenylamine	15.71	169	295144	32.79	ng/ul	97
68) Atrazine	16.67	200	87772	26.59	ng/ul	98
69) Pentachlorophenol	16.85	266	123347	56.29	ng/ul	99
72) Anthracene	17.33	178	193194	11.26	ng/ul	100
76) Di-n-butylphthalate	18.16	149	379698	20.88	ng/ul	100
81) Butylbenzylphthalate	20.52	149	243792	26.23	ng/ul	95
87) Di-n-octyl phthalate	22.19	149	540433	24.36	ng/ul#	96
88) Benzo(b)fluoranthene	22.99	252	623708	29.03	ng/ul	99
89) Benzo(k)fluoranthene	23.03	252	595018	28.88	ng/ul	99
91) Benzo(a)pyrene	23.58	252	512421	24.60	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	26.00	276	666128	26.81	ng/ul	94
93) Dibenzo(a,h)anthracene	26.02	278	346410	16.77	ng/ul	99
94) Benzo(g,h,i)perylene	26.72	276	555727	26.04	ng/ul	97

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

```
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Sample    : H1940-01  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
```



#6

Phenol

Concen: 26.02 ng/ul

RT: 7.01 min Scan# 735

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

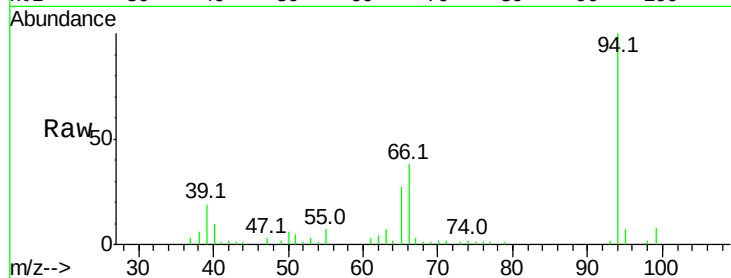
Tot Ion: 94 Resp: 98224

Ion Ratio Lower Upper

94 100

65 26.9 21.0 31.6

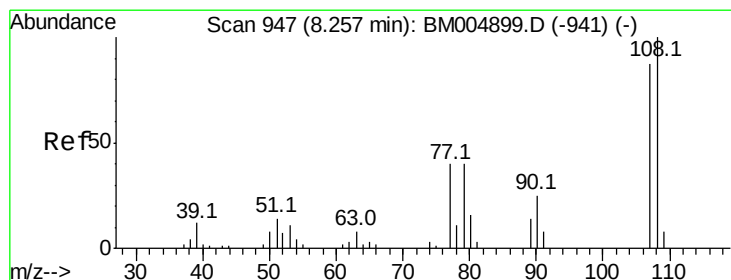
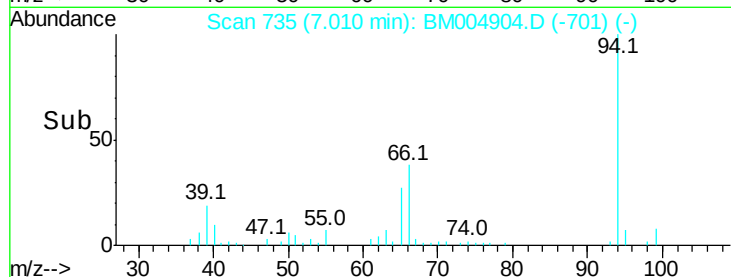
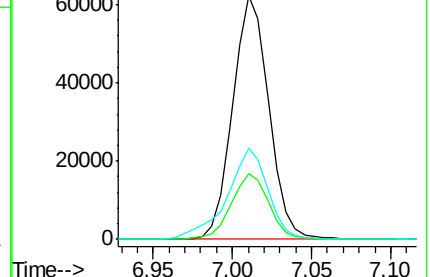
66 37.6 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004899.D (-729) (-)

Ion 65.00 (64.70 to 65.70): BM004899.D (-729) (-)

Ion 66.00 (65.70 to 66.70): BM004899.D (-729) (-)



#11

2-Methylphenol

Concen: 30.87 ng/ul

RT: 8.26 min Scan# 947

Delta R.T. 0.00 min

Lab File: BM004904.D

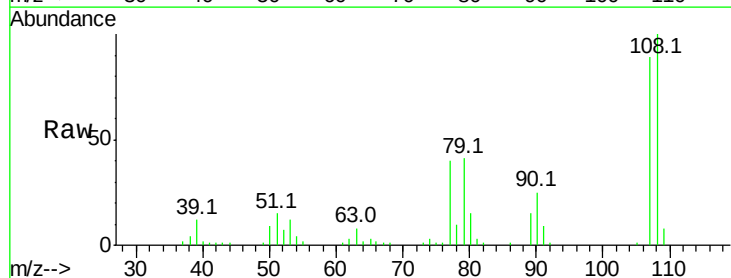
Acq: 06 Apr 2016 14:36

Tgt Ion: 108 Resp: 91931

Ion Ratio Lower Upper

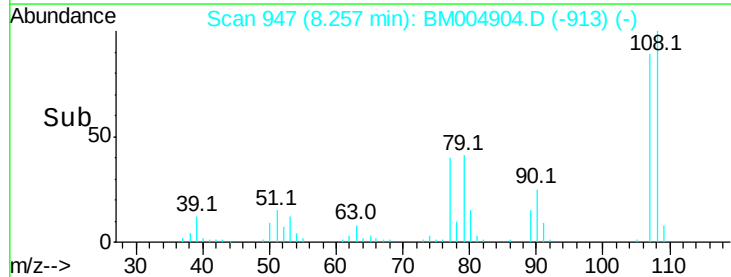
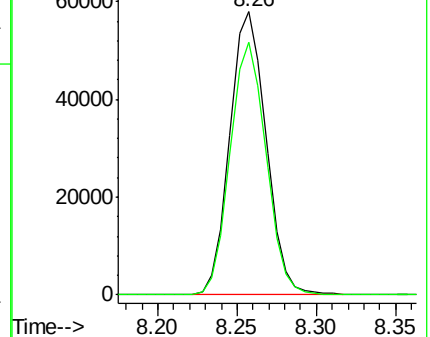
108 100

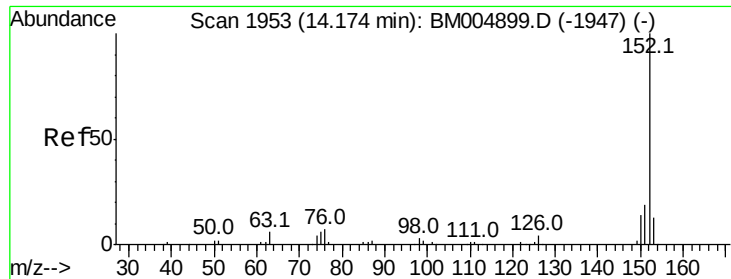
107 89.2 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): BM004899.D (-941) (-)

Ion 107.00 (106.70 to 107.70): BM004899.D (-941) (-)





#48

Acenaphthylene

Concen: 17.10 ng/ul

RT: 14.17 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

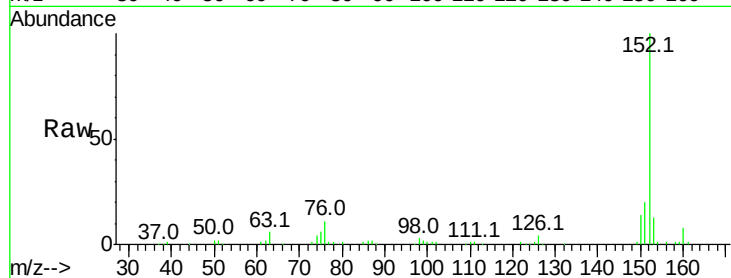
Tot Ion:152 Resp: 205811

Ion Ratio Lower Upper

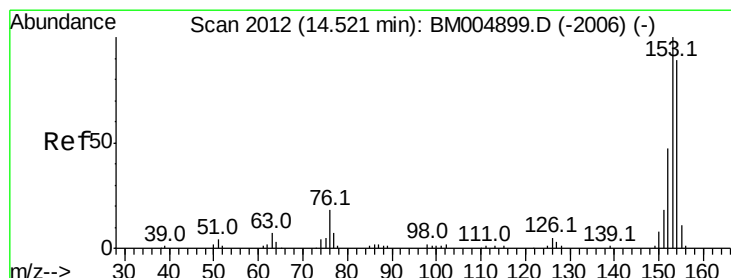
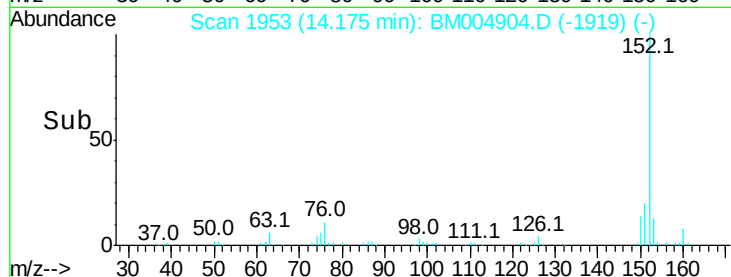
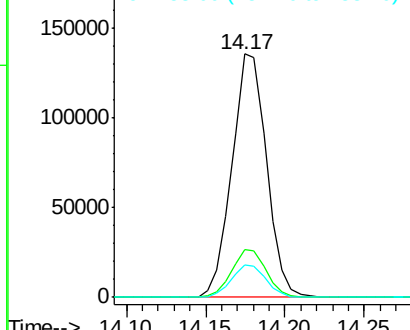
152 100

151 19.6 15.7 23.5

153 13.3 10.5 15.7



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



#50

Acenaphthene

Concen: 17.38 ng/ul

RT: 14.52 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

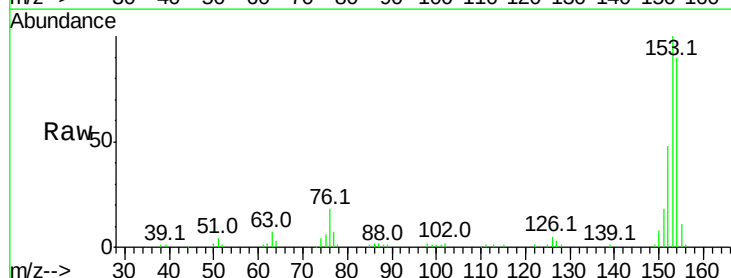
Tgt Ion:153 Resp: 140091

Ion Ratio Lower Upper

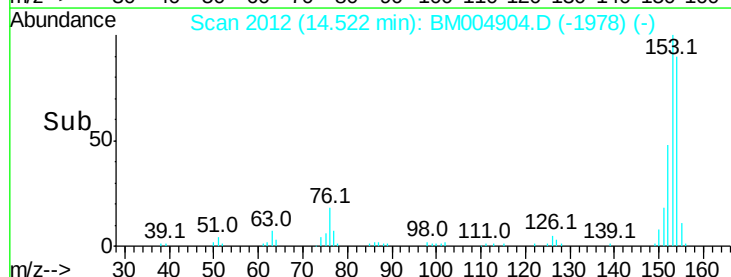
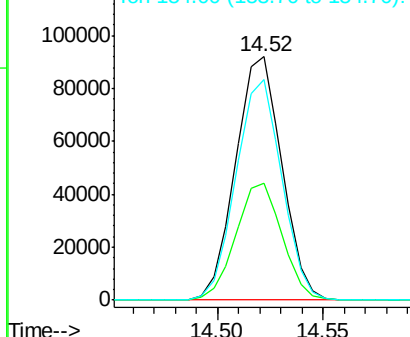
153 100

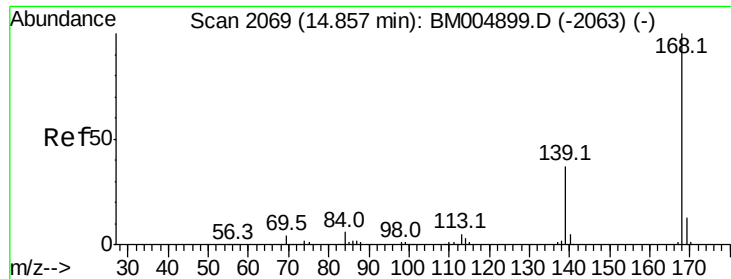
152 48.0 38.3 57.5

154 90.4 71.8 107.8



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





#54

Dibenzenofuran

Concen: 20.76 ng/ul

RT: 14.86 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

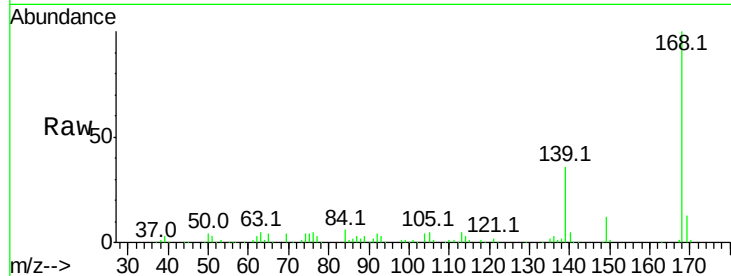
D9SE7

Tot Ion:168 Resp: 242839

Ion Ratio Lower Upper

168 100

139 36.4 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.86

150000

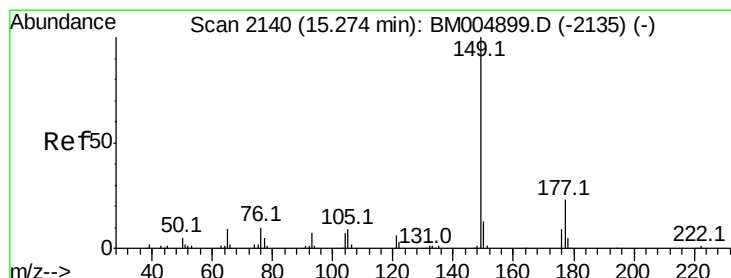
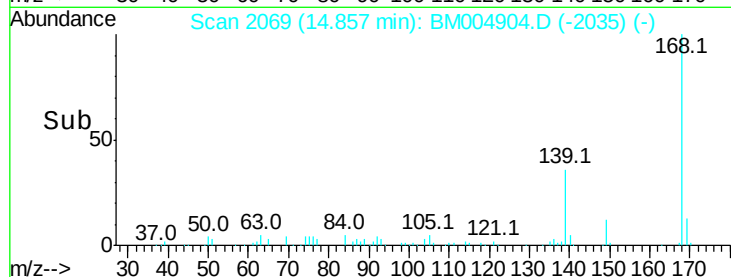
100000

50000

0

Time-->

14.80 14.85 14.90



#57

Diethylphthalate

Concen: 28.22 ng/ul

RT: 15.27 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

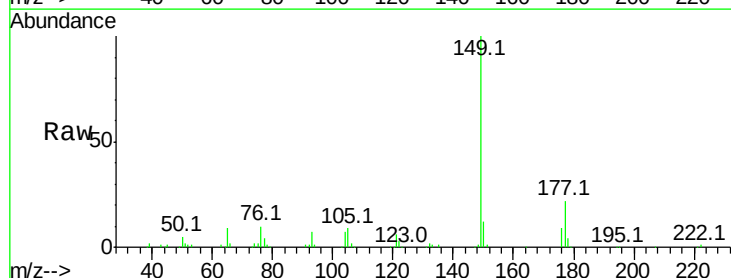
Tgt Ion:149 Resp: 275075

Ion Ratio Lower Upper

149 100

177 22.4 17.4 26.2

150 12.4 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.27

250000

200000

150000

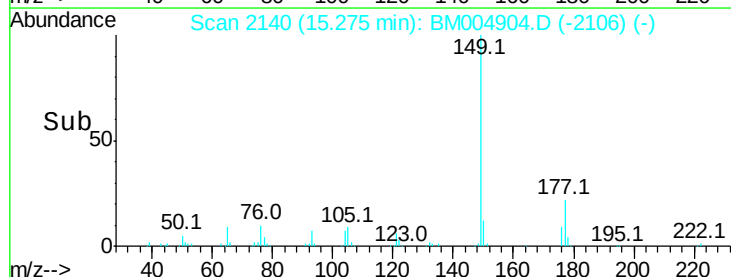
100000

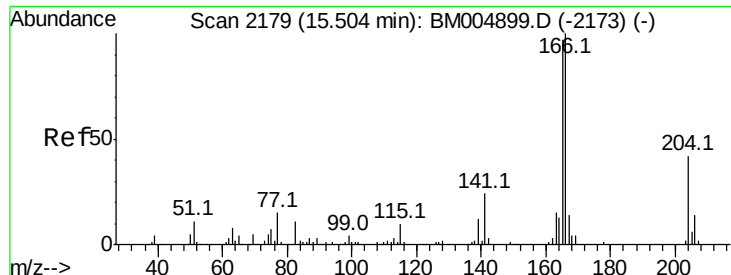
50000

0

Time-->

15.25 15.30





#59

Fluorene

Concen: 17.74 ng/ul

RT: 15.50 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

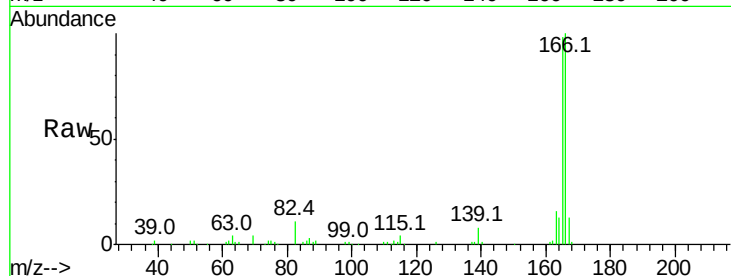
Tot Ion:166 Resp: 165295

Ion Ratio Lower Upper

166 100

165 98.0 78.5 117.7

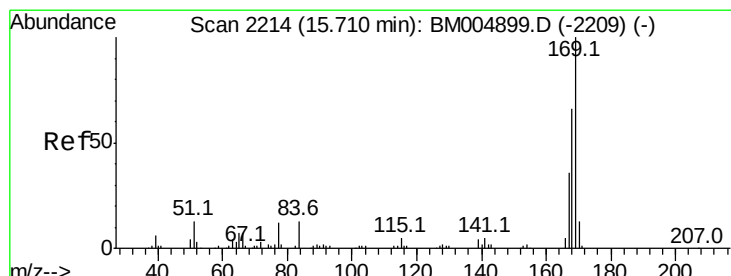
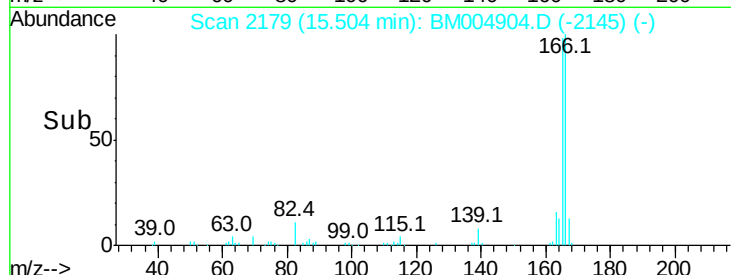
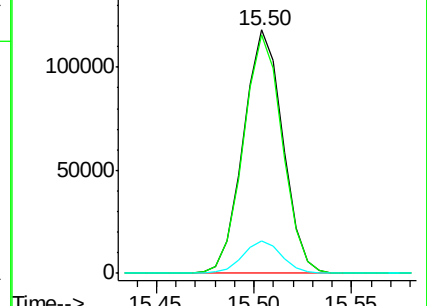
167 13.3 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#65

N-Nitrosodiphenylamine

Concen: 32.79 ng/ul

RT: 15.71 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

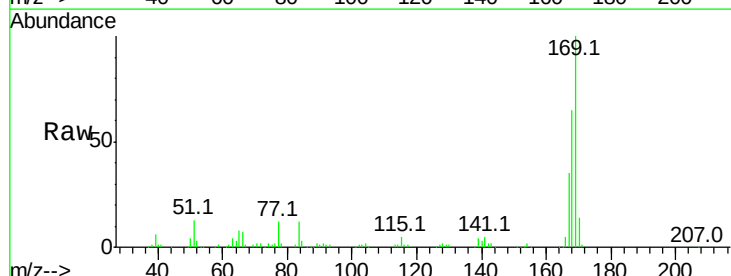
Tgt Ion:169 Resp: 295144

Ion Ratio Lower Upper

169 100

168 64.9 53.8 80.8

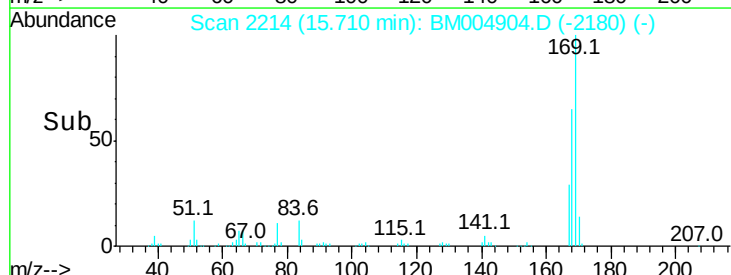
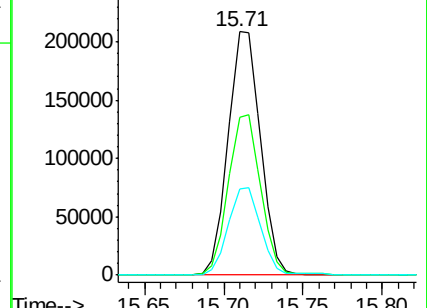
167 35.5 29.3 43.9

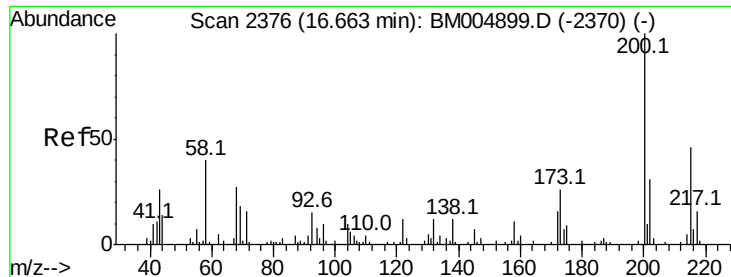


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 26.59 ng/ul

RT: 16.67 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

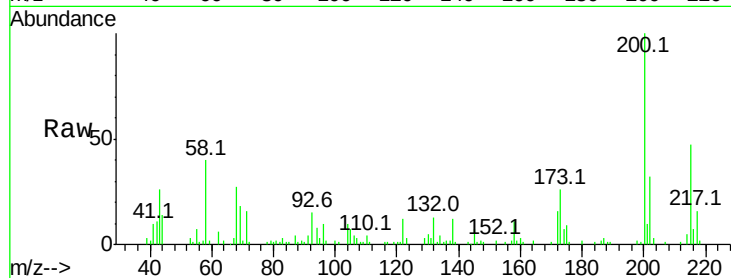
Tot Ion:200 Resp: 87772

Ion Ratio Lower Upper

200 100

173 25.9 21.6 32.4

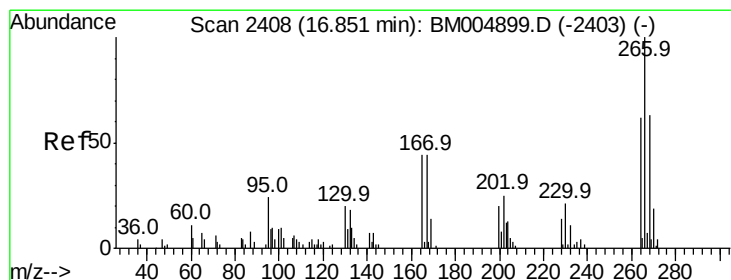
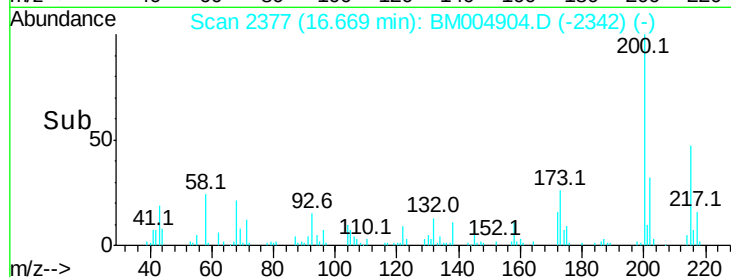
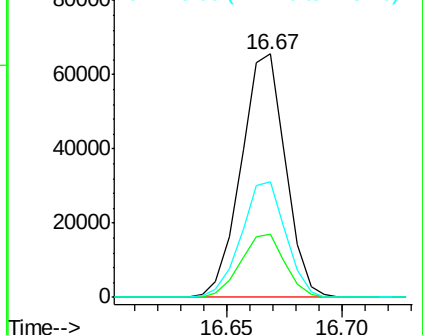
215 47.5 37.0 55.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 56.29 ng/ul

RT: 16.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

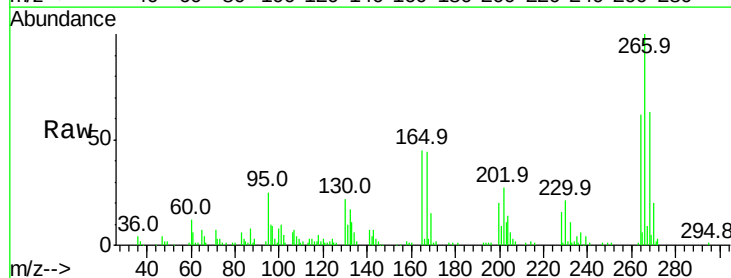
Tgt Ion:266 Resp: 123347

Ion Ratio Lower Upper

266 100

264 62.2 50.5 75.7

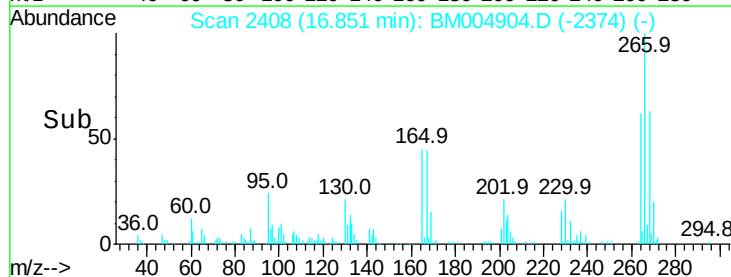
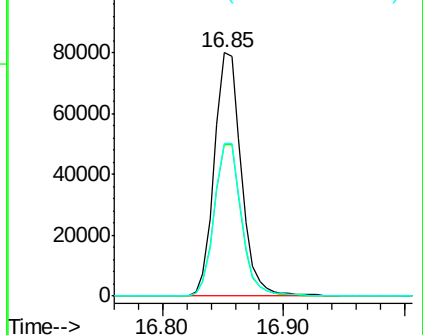
268 62.7 50.9 76.3

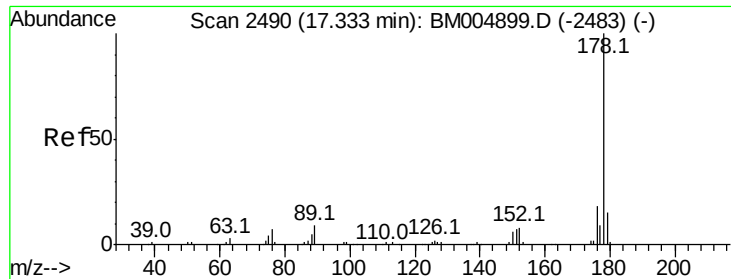


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#72

Anthracene

Concen: 11.26 ng/ul

RT: 17.33 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

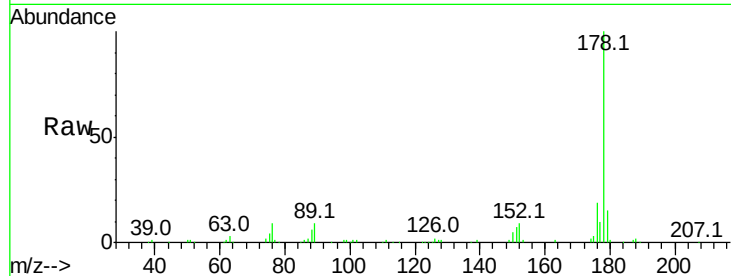
Tot Ion:178 Resp: 193194

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

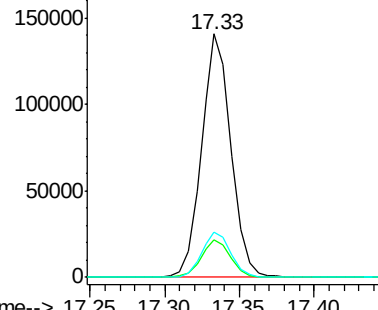
176 18.6 14.8 22.2



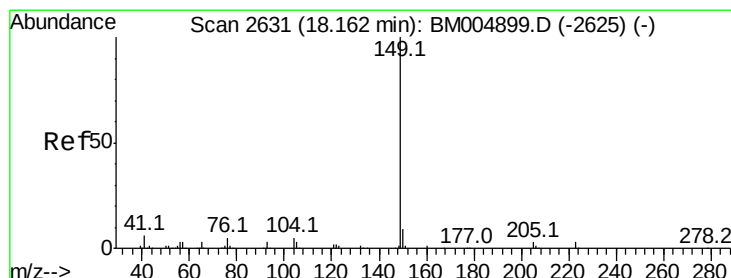
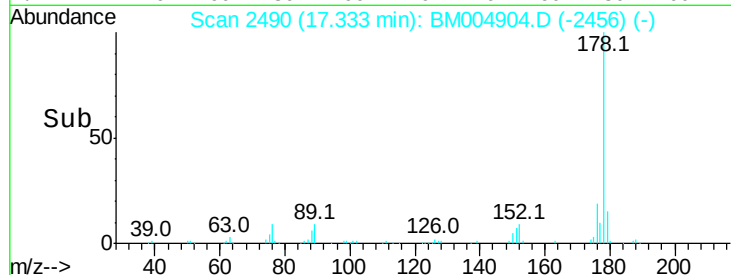
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.25 17.30 17.35 17.40



#76

Di-n-butylphthalate

Concen: 20.88 ng/ul

RT: 18.16 min Scan# 2631

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

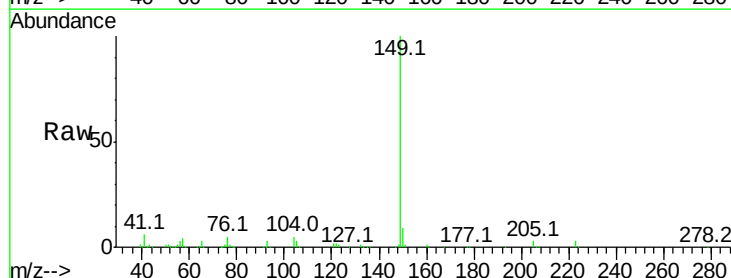
Tgt Ion:149 Resp: 379698

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

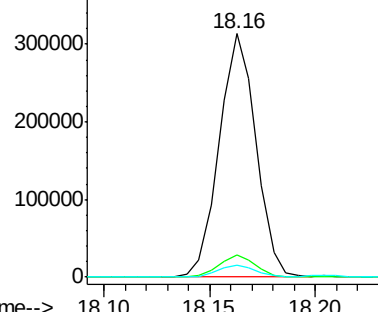
104 5.0 4.0 6.0



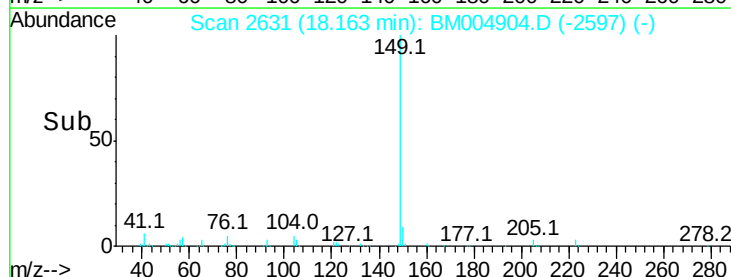
Abundance Ion 149.00 (148.70 to 149.70): E

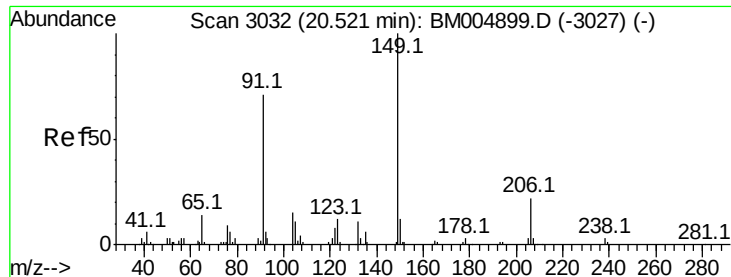
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 18.10 18.15 18.20

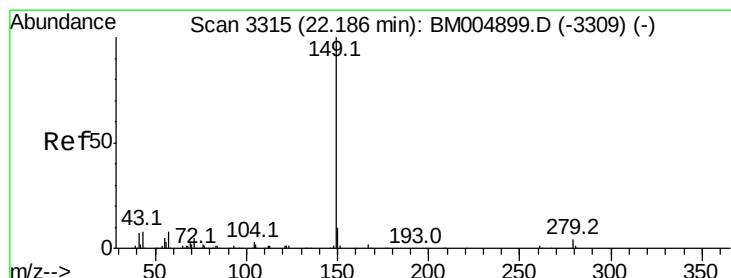
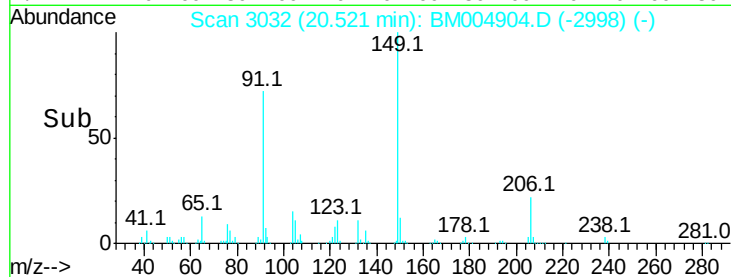
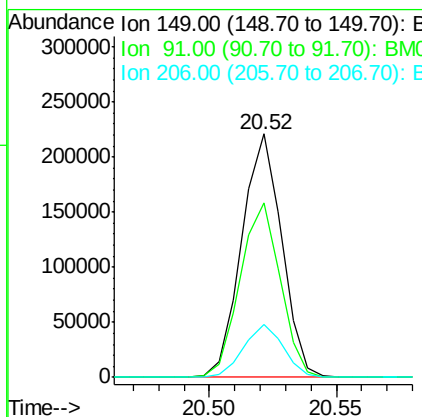
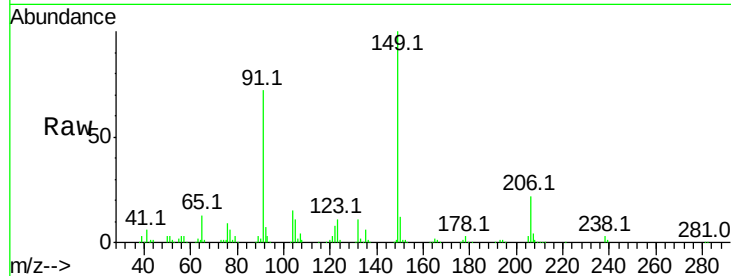




#81
Butylbenzylphthalate
Concen: 26.23 ng/ul
RT: 20.52 min Scan# 3032
Delta R.T. 0.00 min
Lab File: BM004904.D
Acq: 06 Apr 2016 14:36

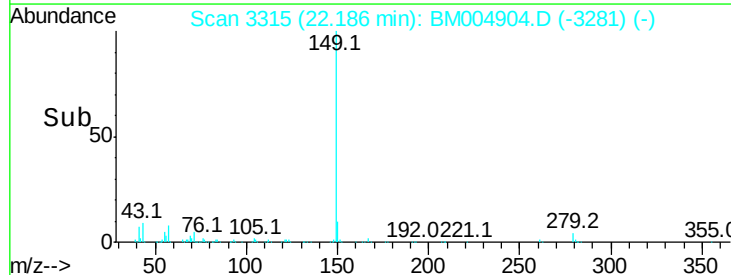
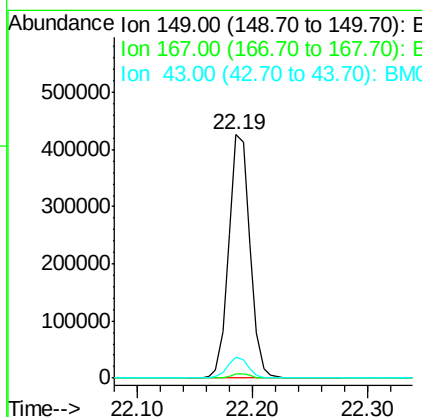
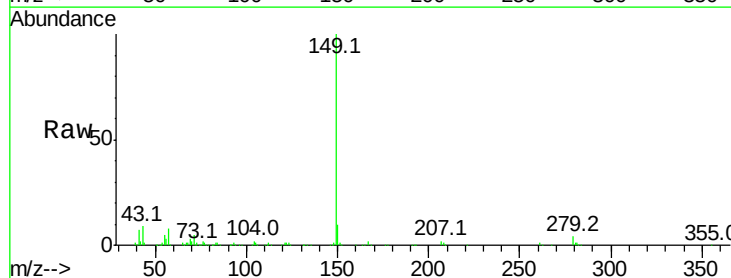
Instrument :
BNA_M
ClientSampleId :
D9SE7

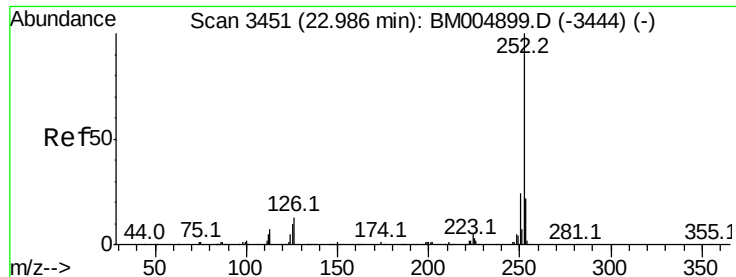
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.5	53.4	80.2
206	21.8	16.6	24.8



#87
Di-n-octyl phthalate
Concen: 24.36 ng/ul
RT: 22.19 min Scan# 3315
Delta R.T. 0.00 min
Lab File: BM004904.D
Acq: 06 Apr 2016 14:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.6	5.6	8.4





#88

Benzo(b)fluoranthene

Concen: 29.03 ng/ul

RT: 22.99 min Scan# 3451

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

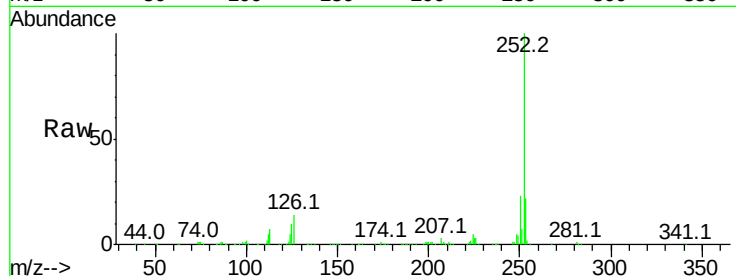
Tot Ion:252 Resp: 623708

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

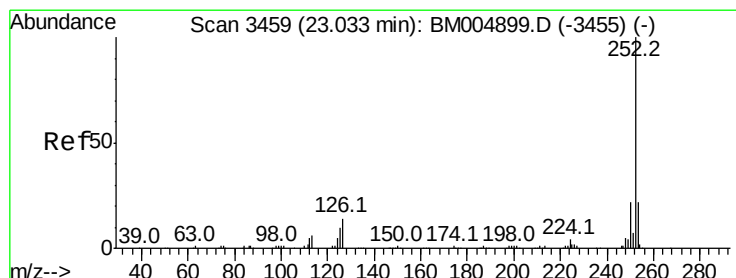
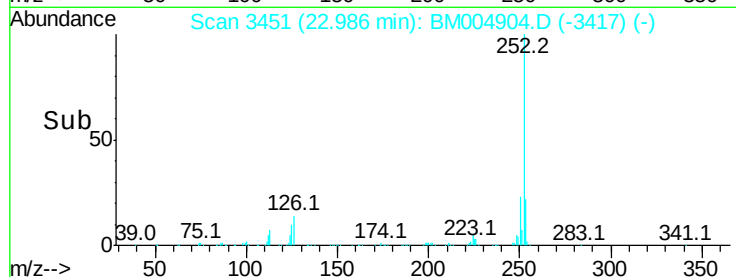
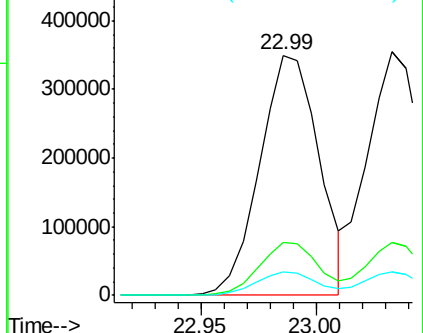
125 9.9 8.5 12.7



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

Benzo(k)fluoranthene

Concen: 28.88 ng/ul

RT: 23.03 min Scan# 3459

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

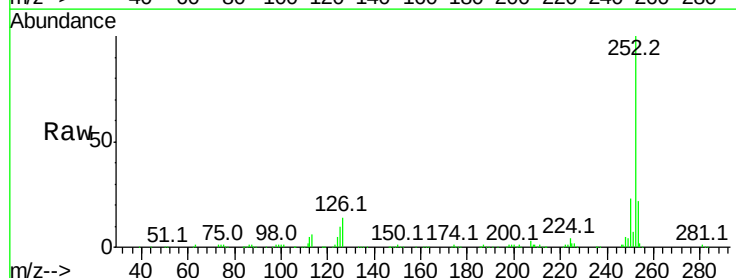
Tgt Ion:252 Resp: 595018

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

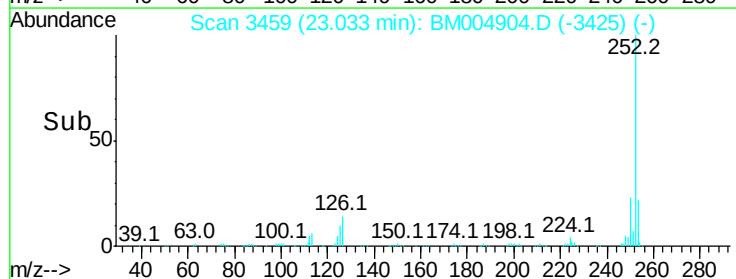
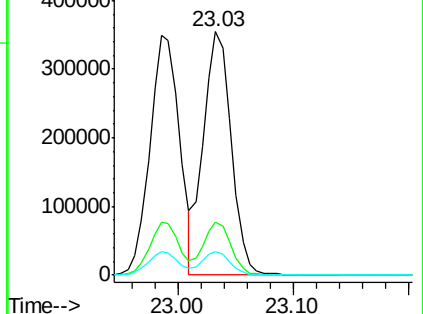
125 9.8 8.2 12.2

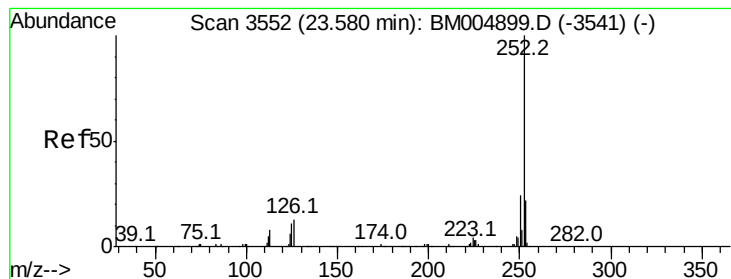


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 24.60 ng/ul

RT: 23.58 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

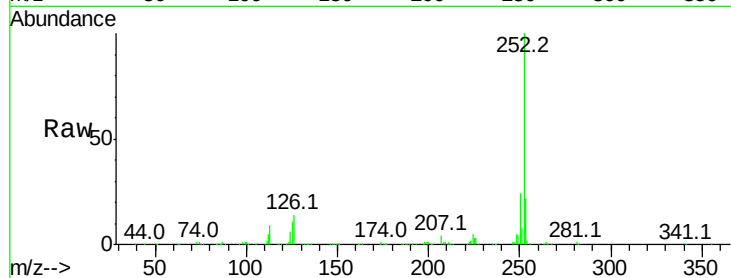
Tot Ion:252 Resp: 512421

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	10.6	9.0	13.6

252 100

253 21.6 17.2 25.8

125 10.6 9.0 13.6

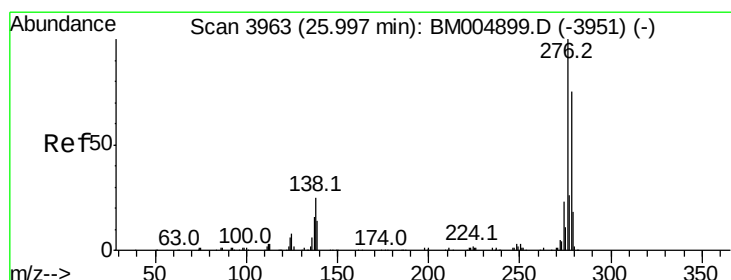
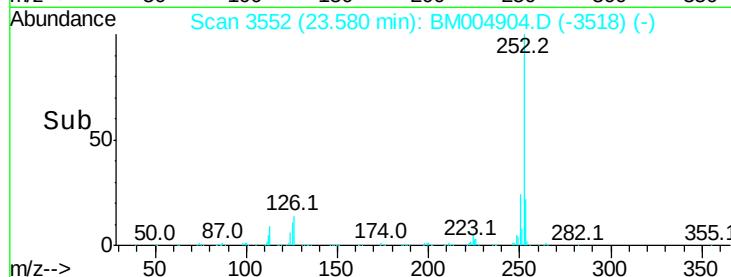
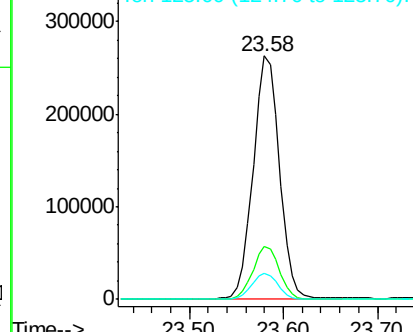


Abundance

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



#92

Indeno(1,2,3-cd)pyrene

Concen: 26.81 ng/ul

RT: 26.00 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

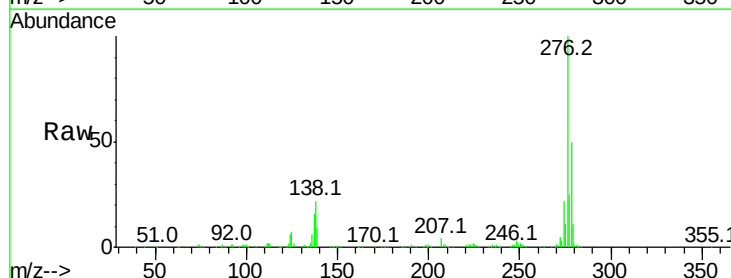
Tgt Ion:276 Resp: 666128

Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.3	33.5
277	24.9	20.2	30.2

276 100

138 22.4 22.3 33.5

277 24.9 20.2 30.2

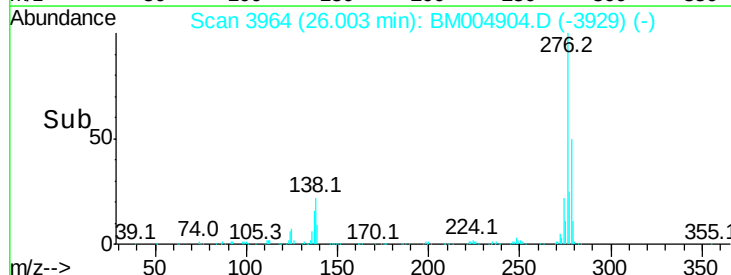
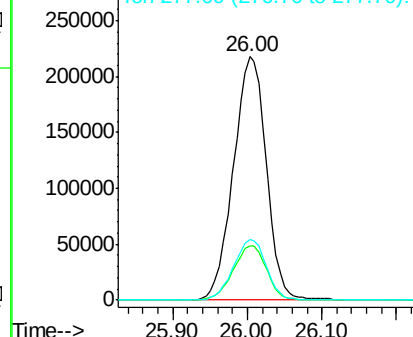


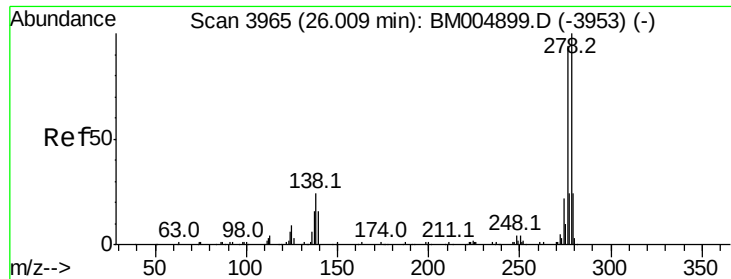
Abundance

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





#93

Dibenzo(a,h)anthracene

Concen: 16.77 ng/ul

RT: 26.02 min Scan# 3966

Delta R.T. 0.01 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

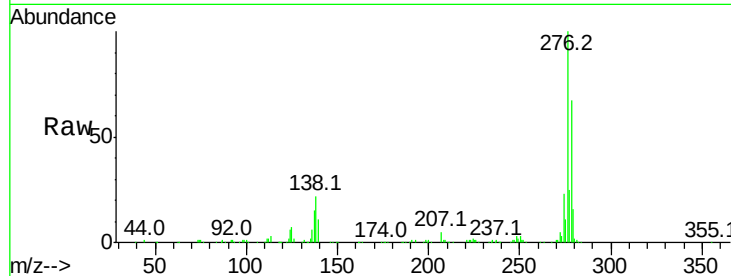
Tot Ion:278 Resp: 346410

Ion Ratio Lower Upper

278 100

139 16.2 13.9 20.9

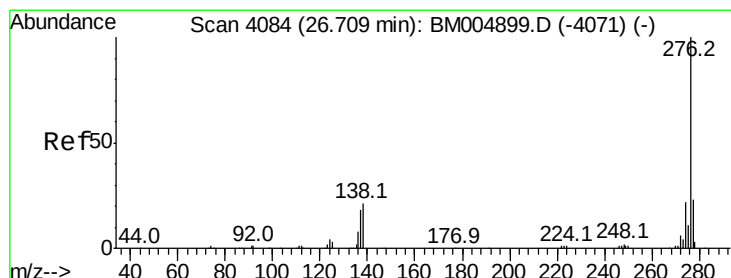
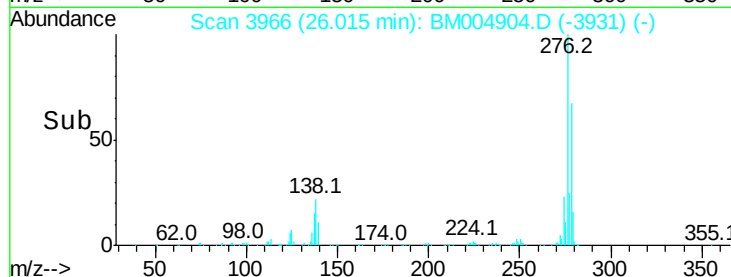
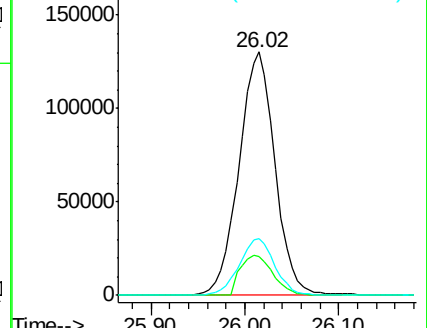
279 23.4 19.0 28.4



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



#94

Benzo(g,h,i)perylene

Concen: 26.04 ng/ul

RT: 26.72 min Scan# 4086

Delta R.T. 0.01 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

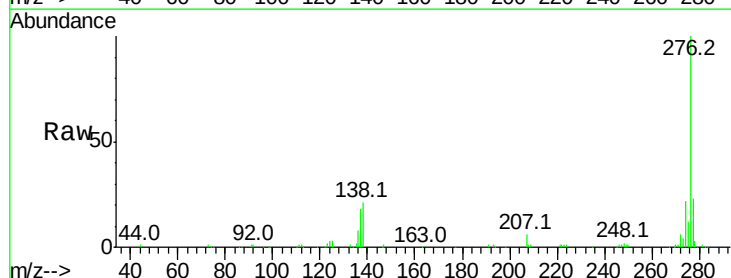
Tgt Ion:276 Resp: 555727

Ion Ratio Lower Upper

276 100

138 21.4 18.9 28.3

277 23.4 19.2 28.8



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

