

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 04:32:35 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

						Qvalue
6) Phenol	7.01	94	98224	26.02	ng/ul	99
11) 2-Methylphenol	8.26	108	91931	30.87	ng/ul	99
45) Dimethylphthalate	13.91	163	12249	1.27	ng/ul	99
46) 2,6-Dinitrotoluene	13.87	165	2442	1.30	ng/ul#	43
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
70) Phenanthrene	17.33	178	193194	11.29	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

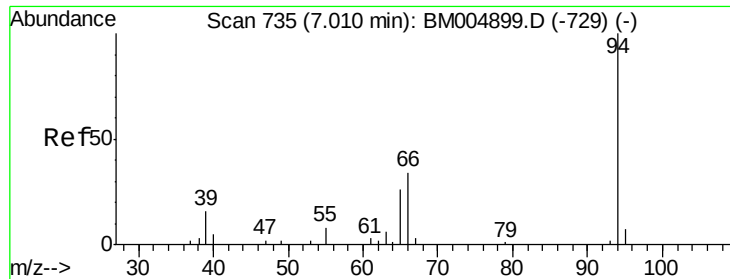
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040616\
Data File : BM004904.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

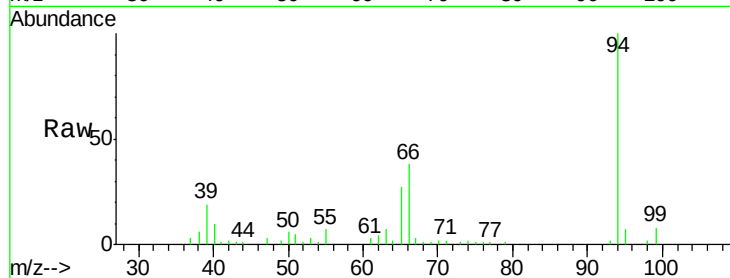
Tgt Ion: 94 Resp: 98224

Ion Ratio Lower Upper

94 100

65 26.9 21.0 31.6

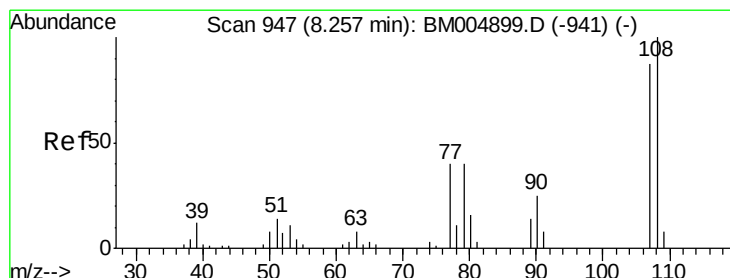
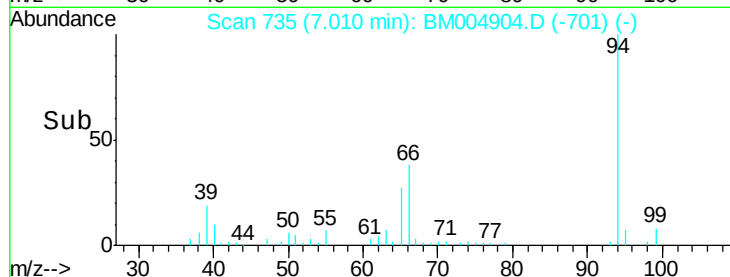
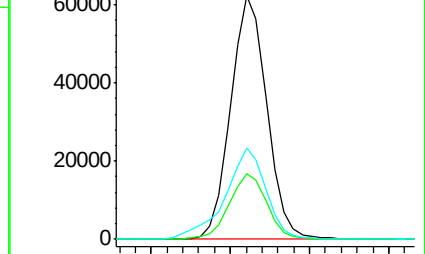
66 37.6 29.3 43.9



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

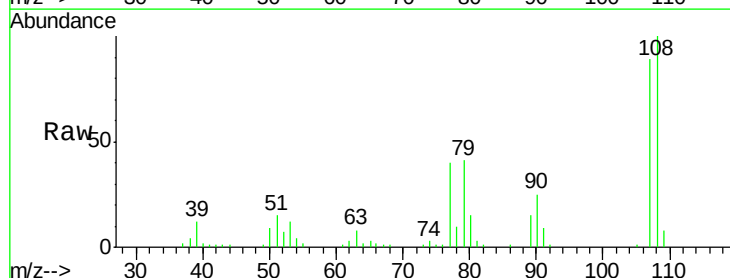
Acq: 06 Apr 2016 14:36

Tgt Ion: 108 Resp: 91931

Ion Ratio Lower Upper

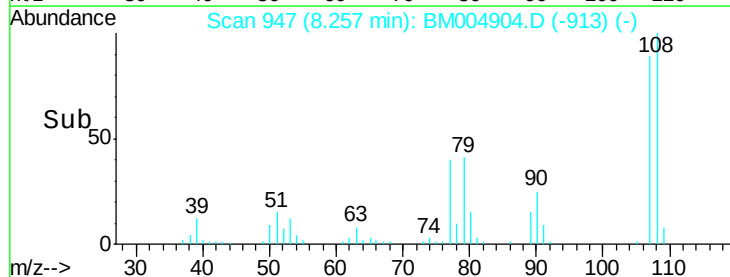
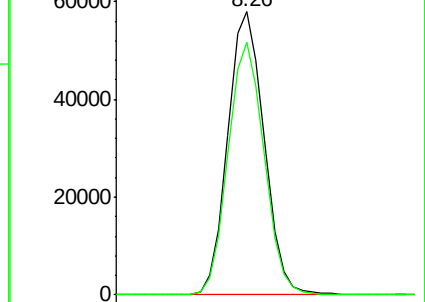
108 100

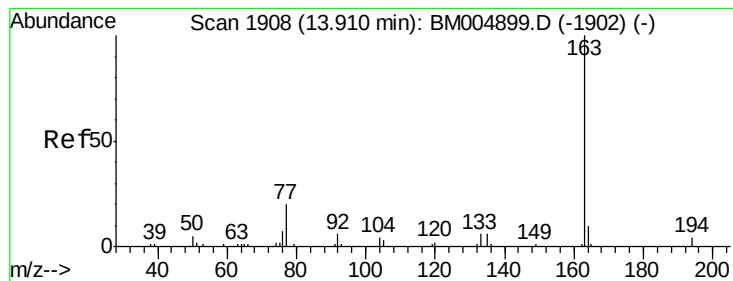
107 89.2 72.4 108.6



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

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





#45

Dimethylphthalate

Concen: 1.27 ng/ul

RT: 13.91 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7

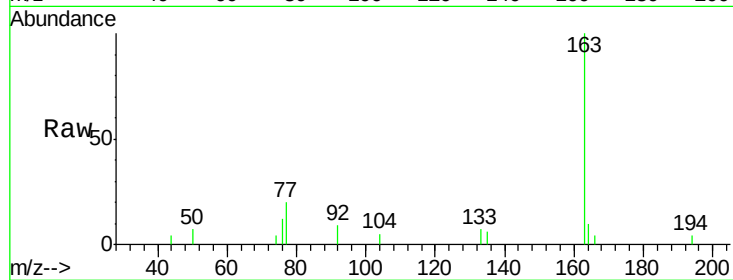
Tgt Ion:163 Resp: 12249

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

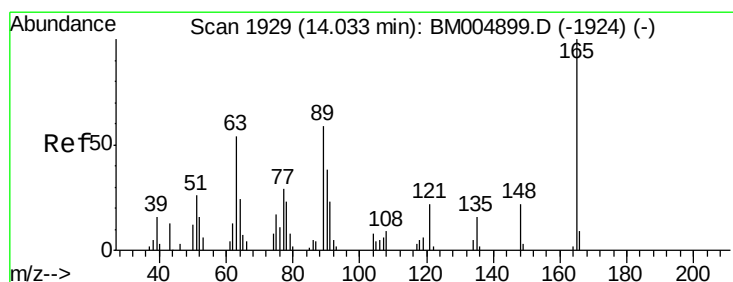
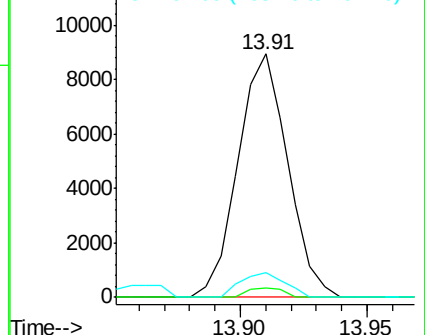
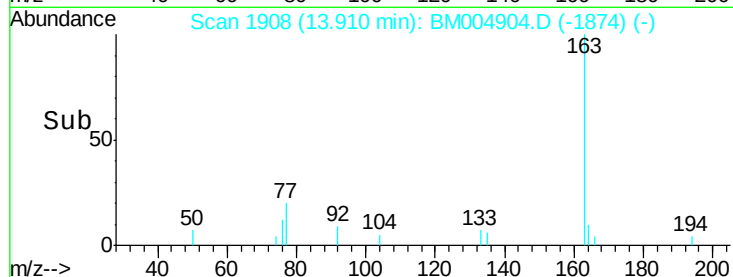
164 10.4 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#46

2,6-Dinitrotoluene

Concen: 1.30 ng/ul

RT: 13.87 min Scan# 1901

Delta R.T. -0.16 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

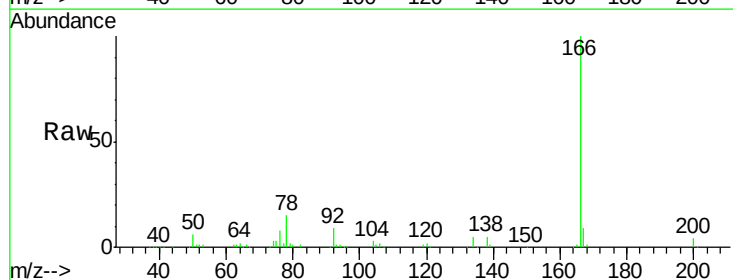
Tgt Ion:165 Resp: 2442

Ion Ratio Lower Upper

165 100

89 0.0 42.4 63.6#

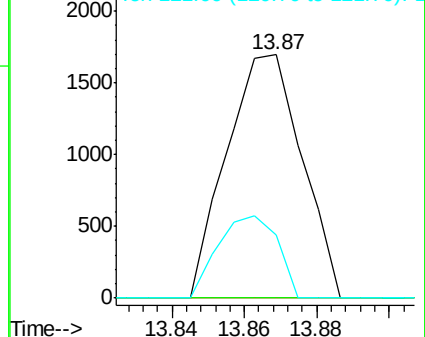
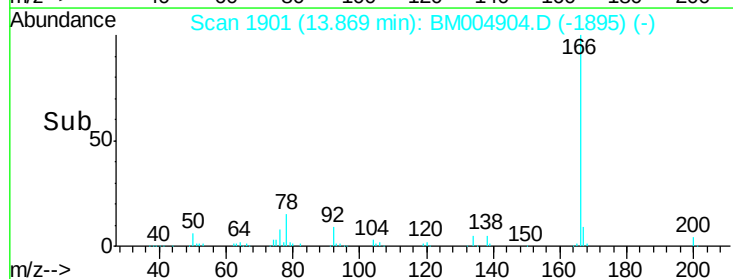
121 25.8 16.6 24.8#

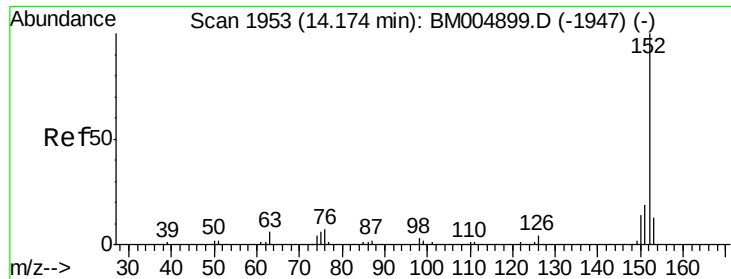


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#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

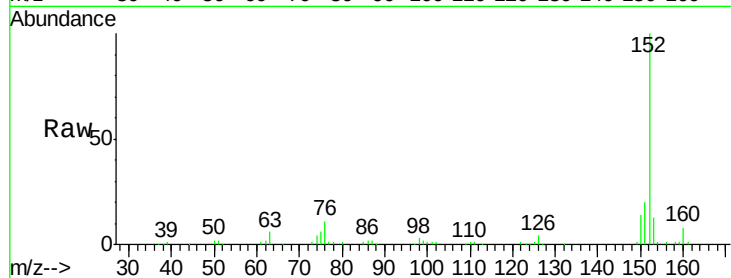
Tgt Ion:152 Resp: 205811

Ion Ratio Lower Upper

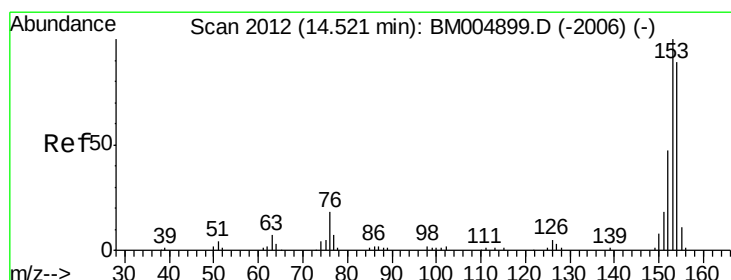
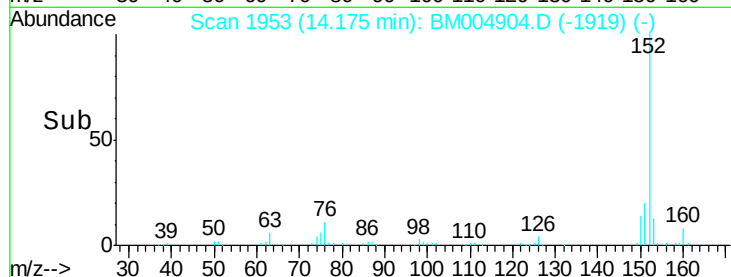
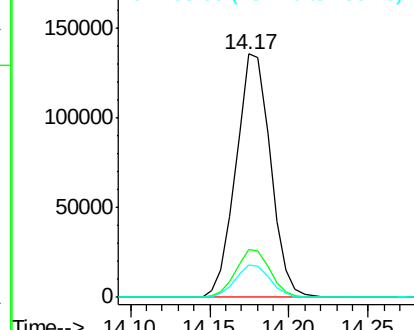
152 100

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

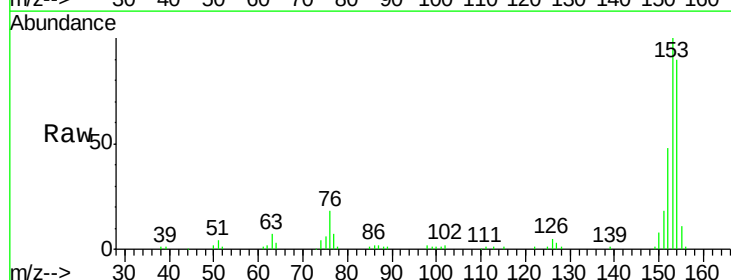
Tgt Ion:153 Resp: 140091

Ion Ratio Lower Upper

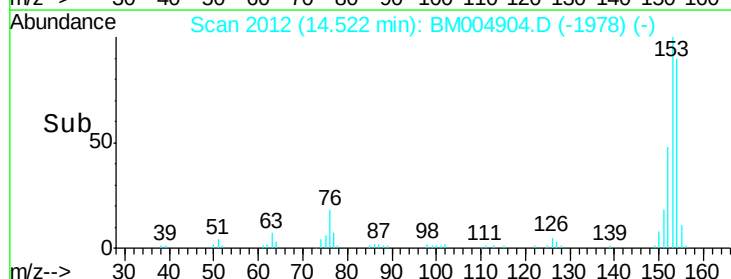
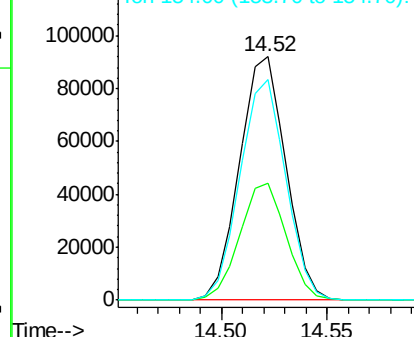
153 100

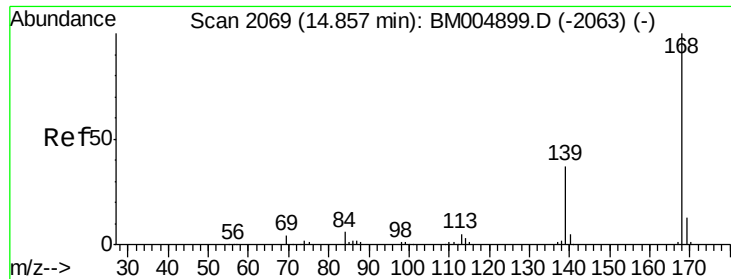
152 48.0 38.3 57.5

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 :

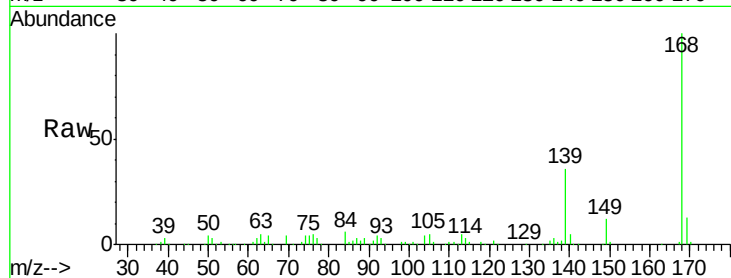
D9SE7

Tgt 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

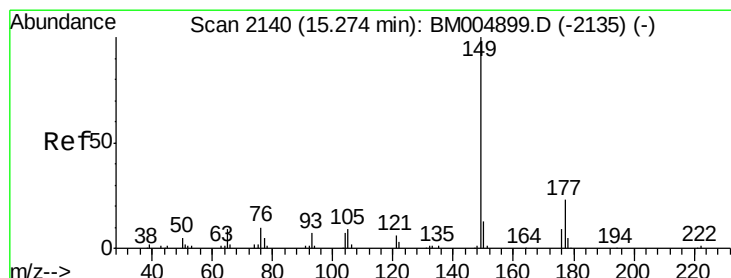
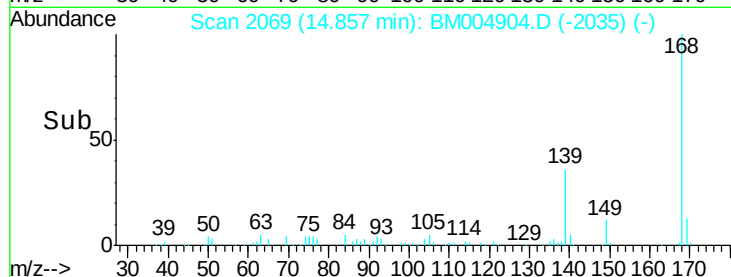
100000

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

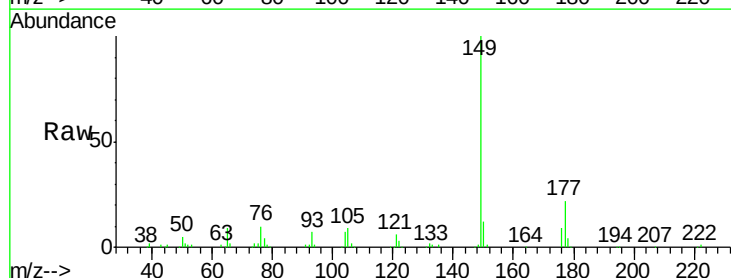
Tgt Ion:149 Resp: 275075

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

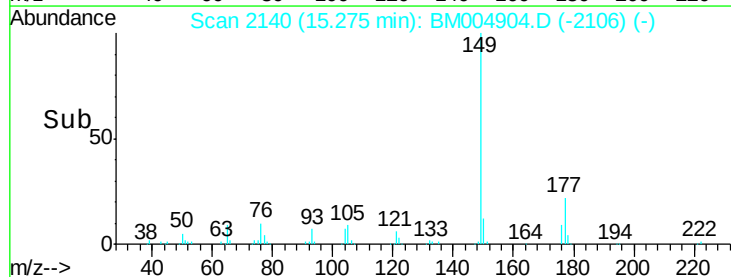
100000

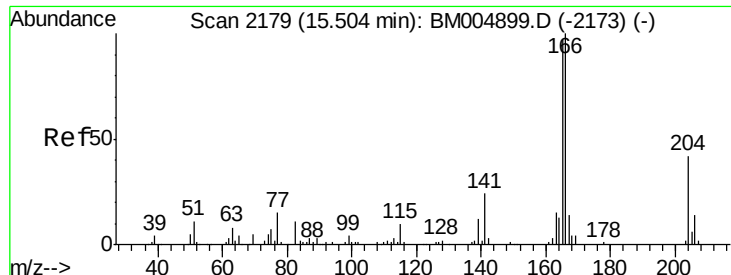
50000

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

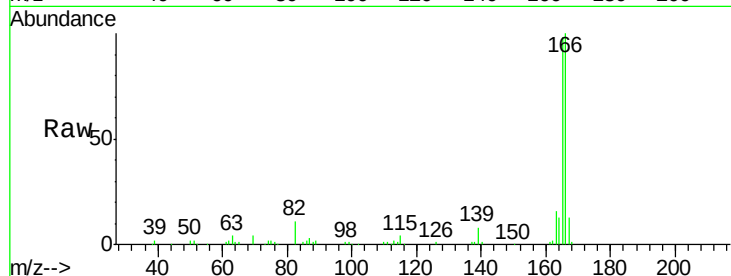
Tgt Ion:166 Resp: 165295

Ion Ratio Lower Upper

166 100

165 98.0 78.5 117.7

167 13.3 10.7 16.1

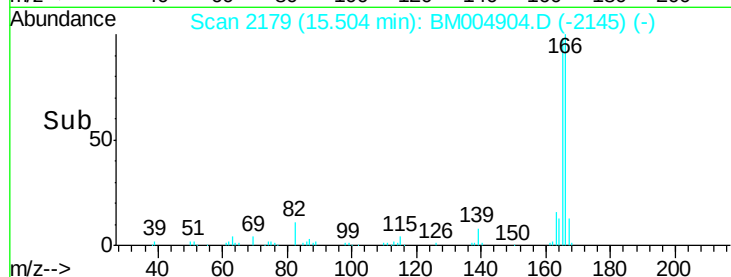


Abundance Ion 166.00 (165.70 to 166.70): E

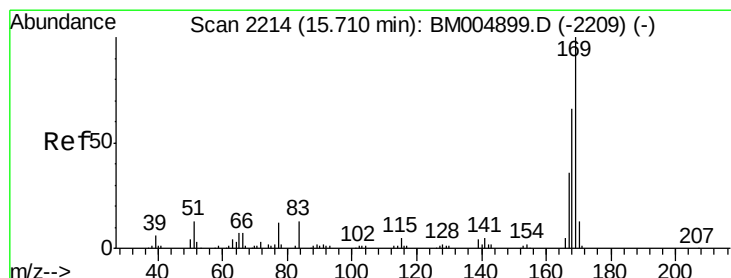
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.50



Time-->



#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

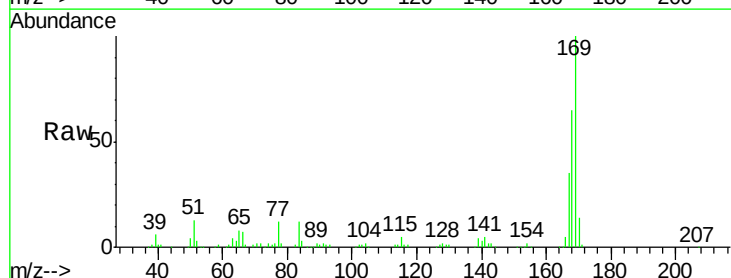
Tgt Ion:169 Resp: 295144

Ion Ratio Lower Upper

169 100

168 64.9 53.8 80.8

167 35.5 29.3 43.9

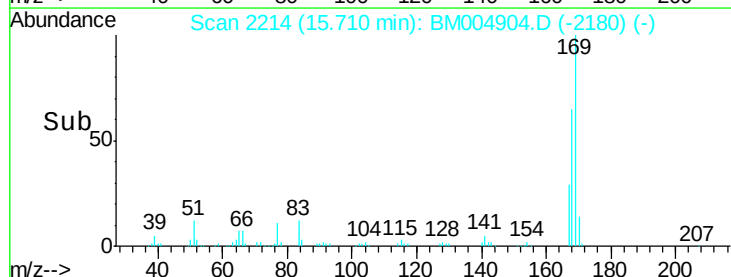


Abundance Ion 169.00 (168.70 to 169.70): E

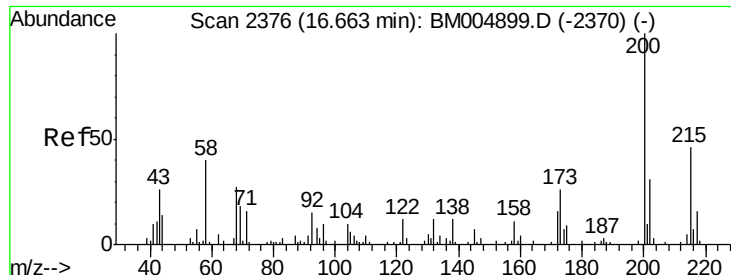
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

15.71



Time-->



#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 :

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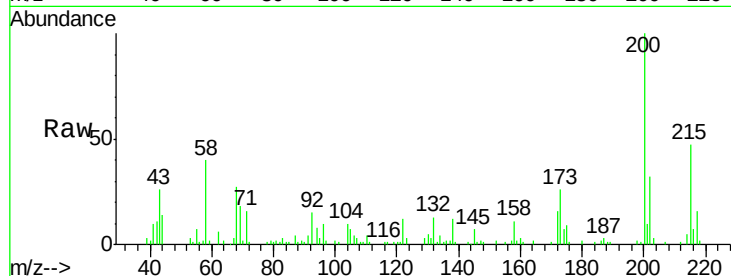
Tgt Ion:200 Resp: 87772

Ion Ratio Lower Upper

200 100

173 25.9 21.6 32.4

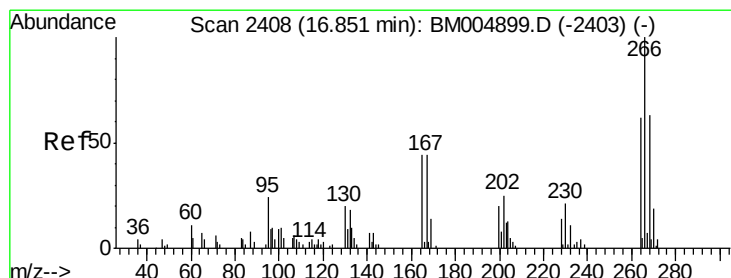
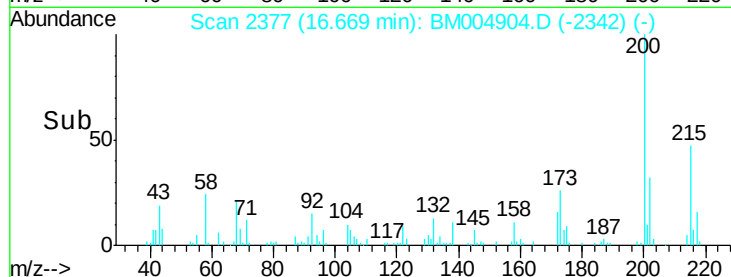
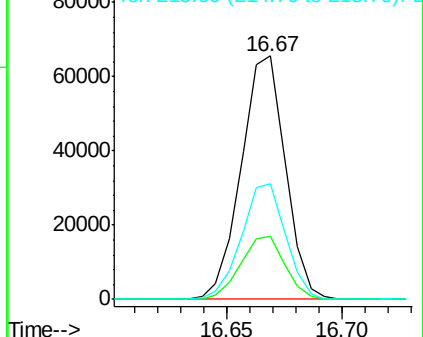
215 47.5 37.0 55.4



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

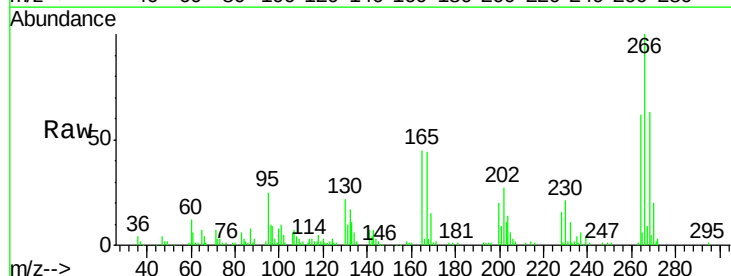
Tgt Ion:266 Resp: 123347

Ion Ratio Lower Upper

266 100

264 62.2 50.5 75.7

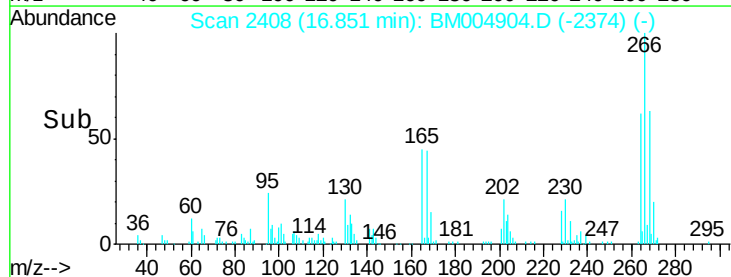
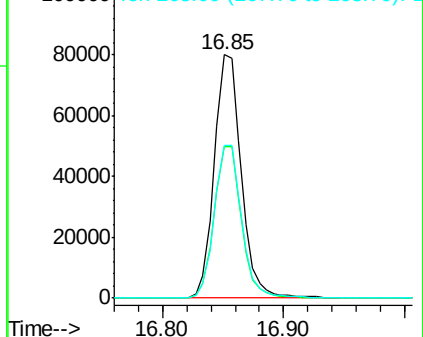
268 62.7 50.9 76.3

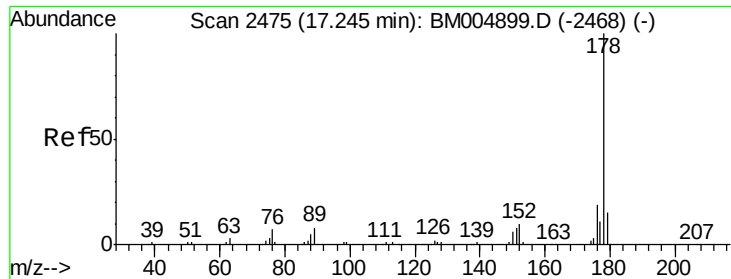


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 11.29 ng/ul

RT: 17.33 min Scan# 2490

Delta R.T. 0.09 min

Lab File: BM004904.D

Acq: 06 Apr 2016 14:36

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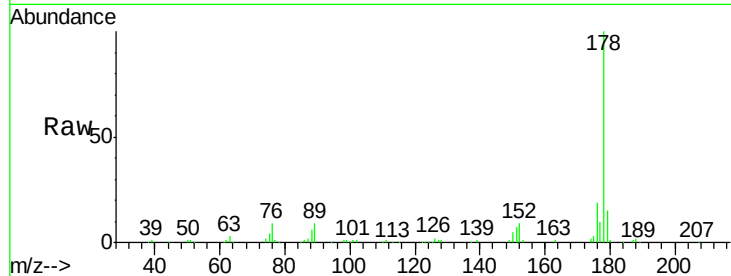
Tgt Ion:178 Resp: 193194

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

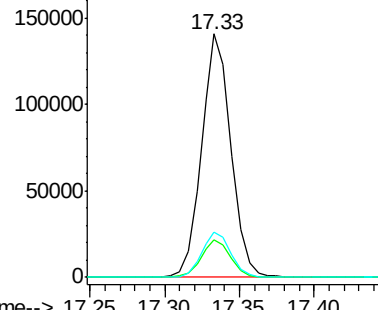
176 18.6 15.6 23.4



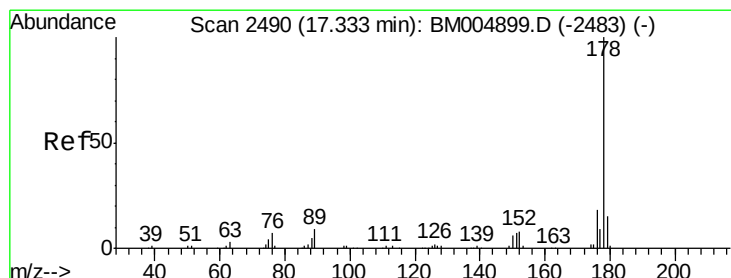
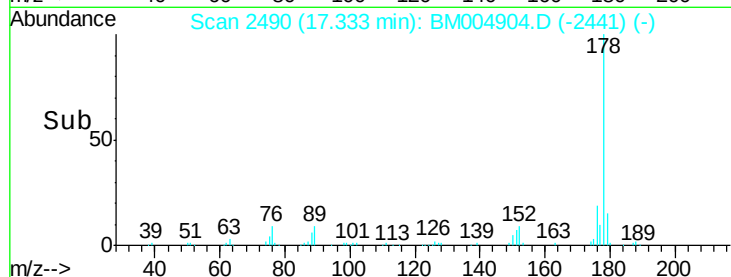
Abundance Ion 178.00 (177.70 to 178.70): E

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



#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

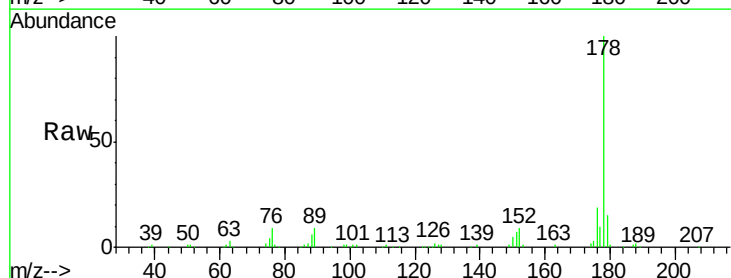
Tgt Ion:178 Resp: 193194

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

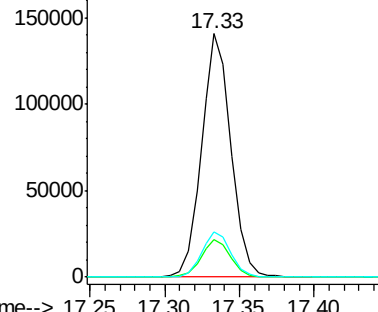
176 18.6 14.8 22.2



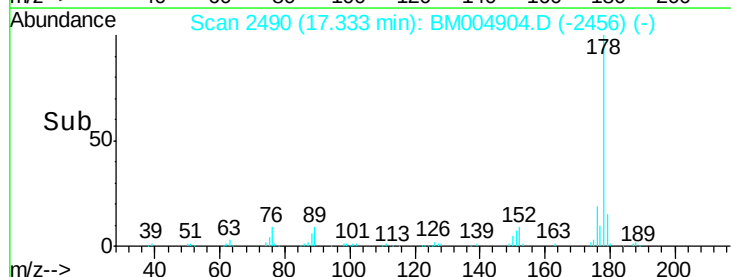
Abundance Ion 178.00 (177.70 to 178.70): E

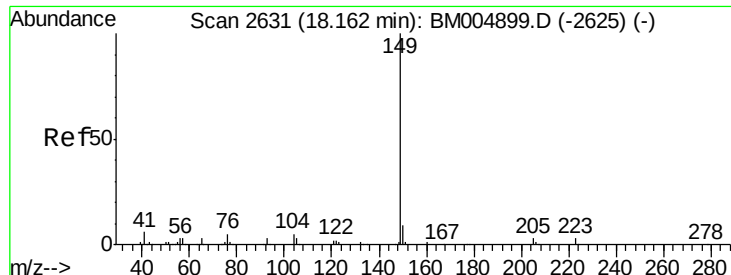
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.25 17.30 17.35 17.40

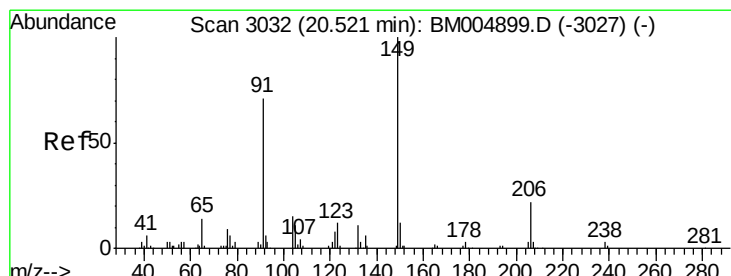
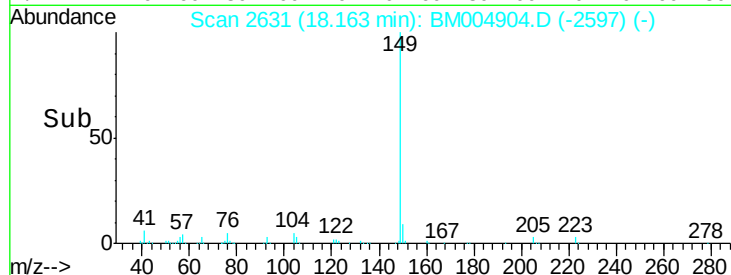
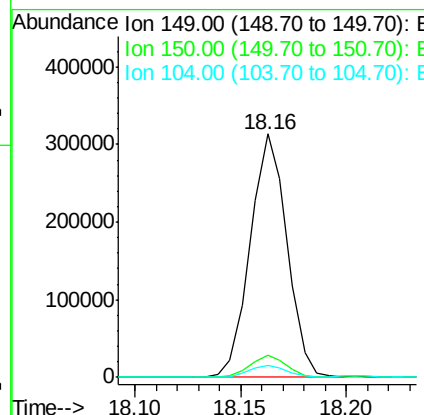
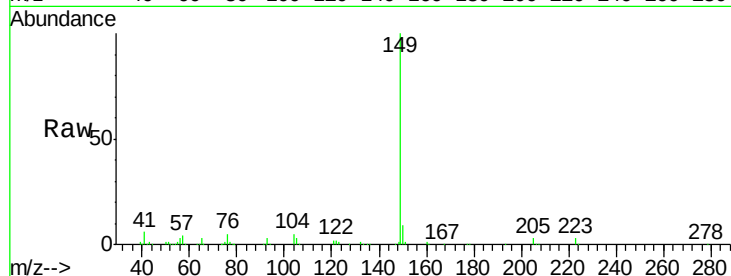




#76
Di-n-butylphthalate
Concen: 20.88 ng/ul
RT: 18.16 min Scan# 2631
Delta R.T. 0.00 min
Lab File: BM004904.D
Acq: 06 Apr 2016 14:36

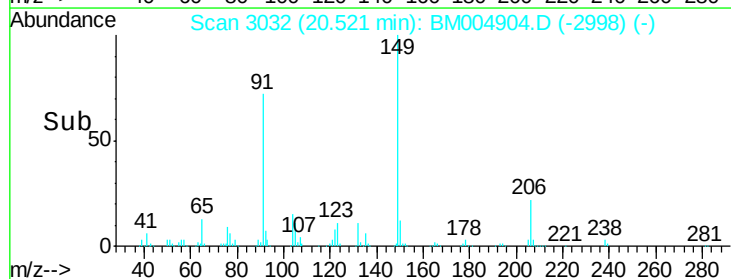
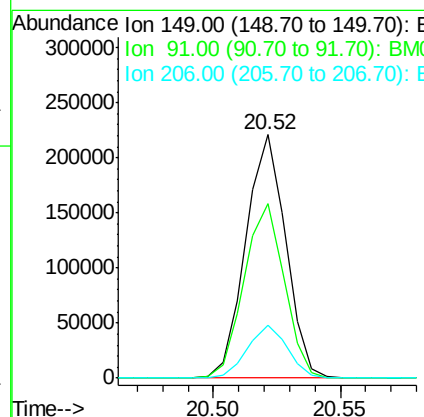
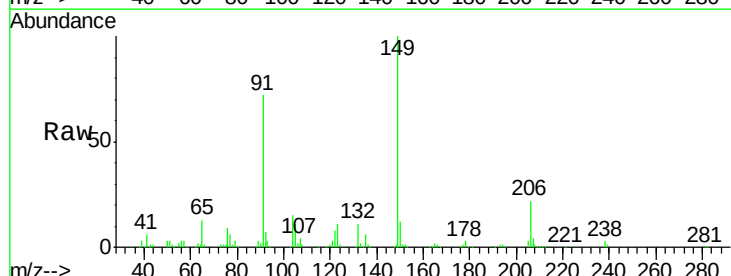
Instrument :
BNA_M
ClientSampleId :
D9SE7

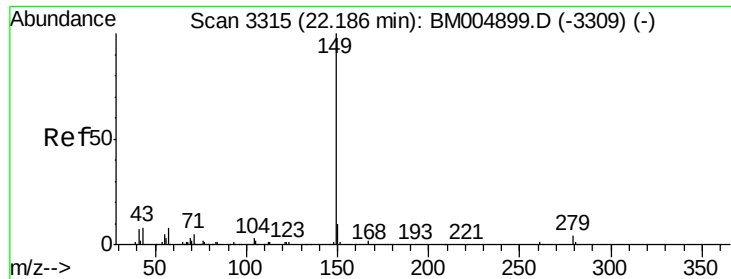
Tgt Ion:149 Resp: 379698
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.0 4.0 6.0



#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

Tgt Ion:149 Resp: 243792
Ion Ratio Lower Upper
149 100
91 71.5 53.4 80.2
206 21.8 16.6 24.8

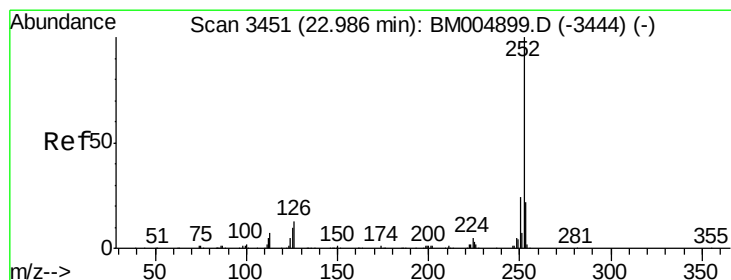
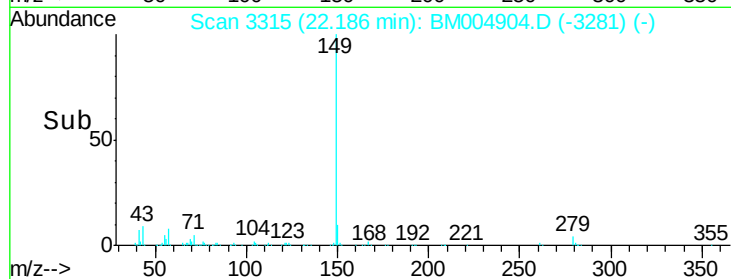
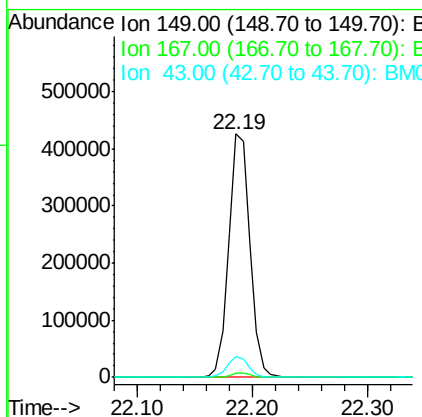
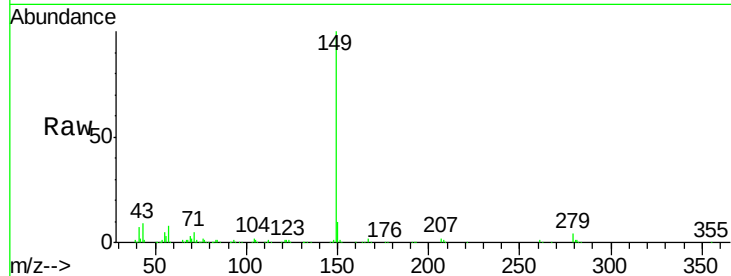




#87
 Di-n-octyl phthalate
 Concen: 24.36 ng/ul
 RT: 22.19 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: BM004904.D
 Acq: 06 Apr 2016 14:36

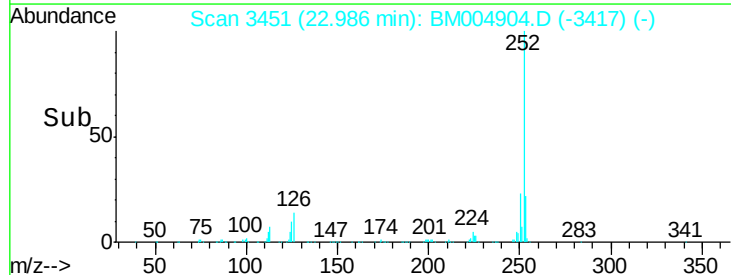
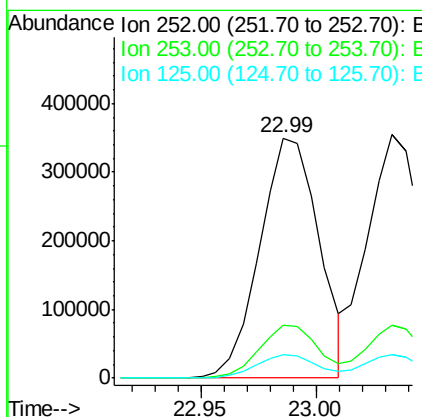
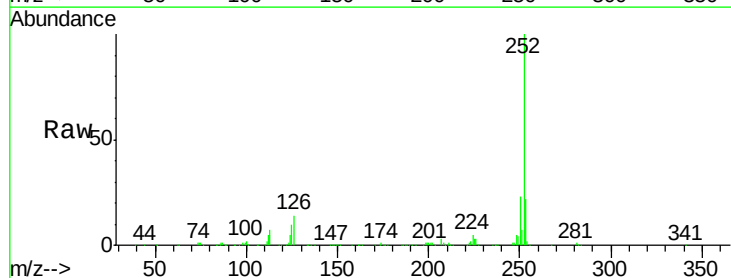
Instrument :
 BNA_M
 ClientSampleId :
 D9SE7

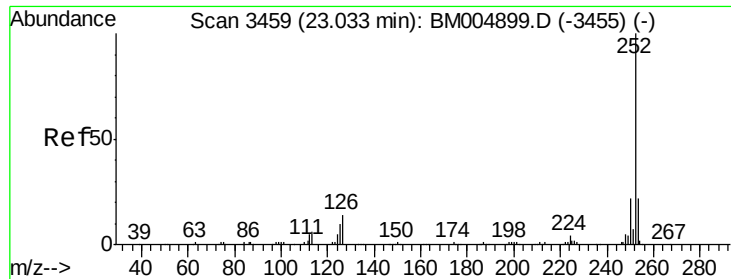
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.6	5.6	8.4



#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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.9	8.5	12.7





#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

Instrument :

BNA_M

ClientSampleId :

D9SE7

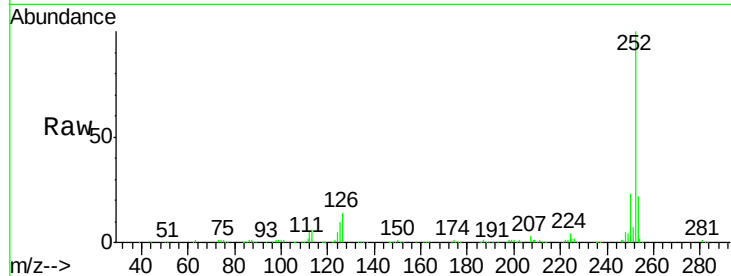
Tgt Ion:252 Resp: 595018

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

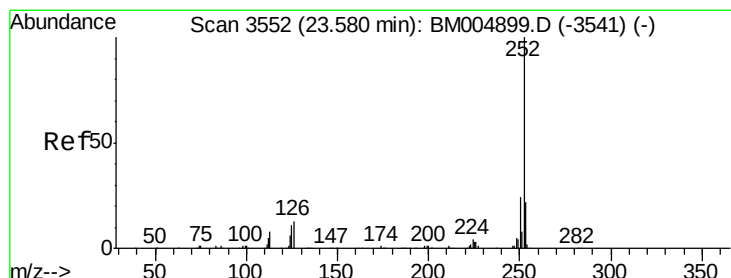
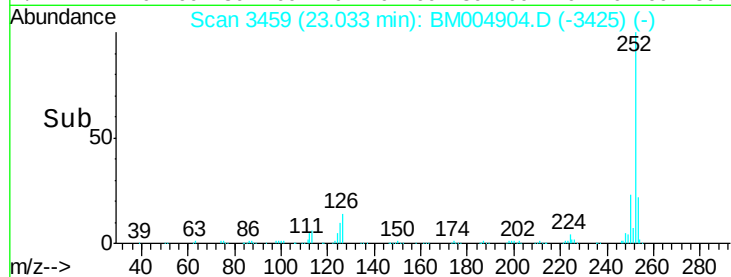
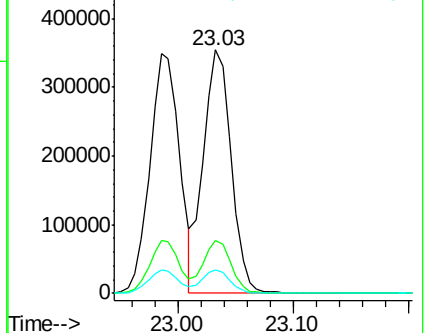
125 9.8 8.2 12.2



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

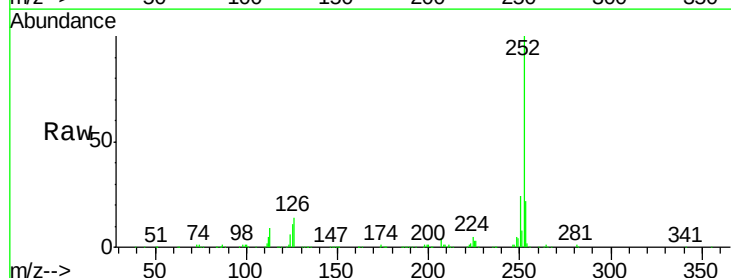
Tgt Ion:252 Resp: 512421

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

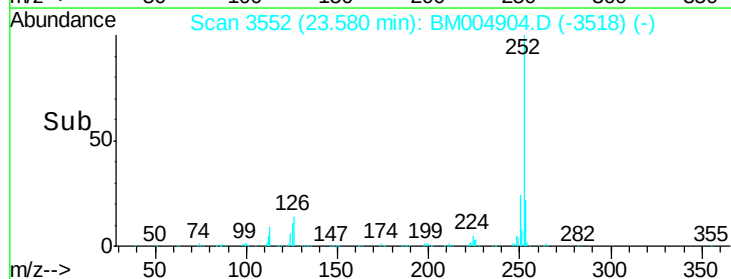
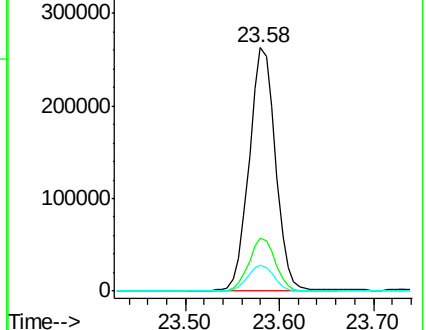
125 10.6 9.0 13.6

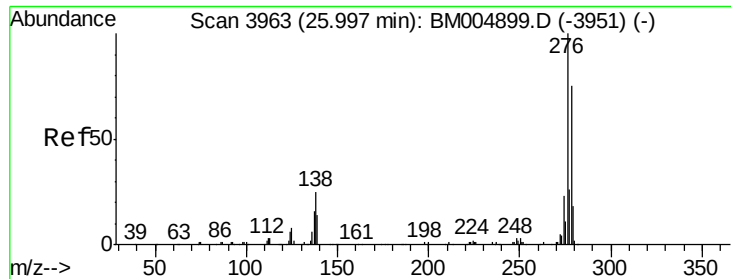


Abundance Ion 252.00 (251.70 to 252.70): E

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

Instrument :

BNA_M

ClientSampleId :

D9SE7

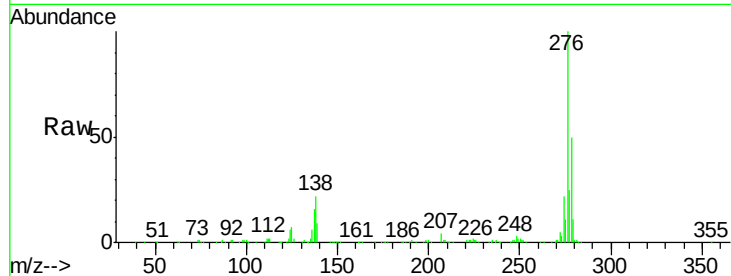
Tgt Ion:276 Resp: 666128

Ion Ratio Lower Upper

276 100

138 22.4 22.3 33.5

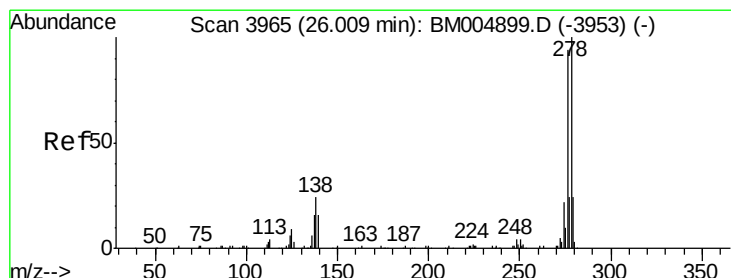
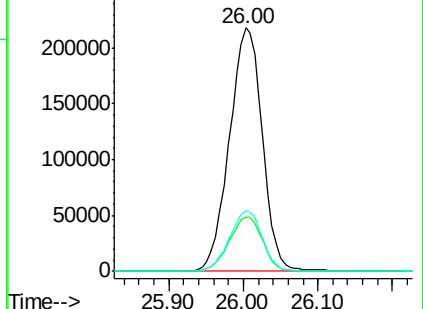
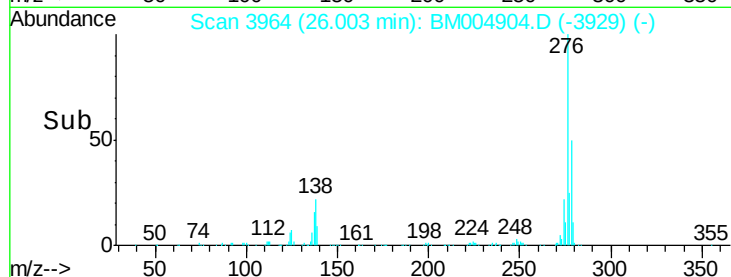
277 24.9 20.2 30.2



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

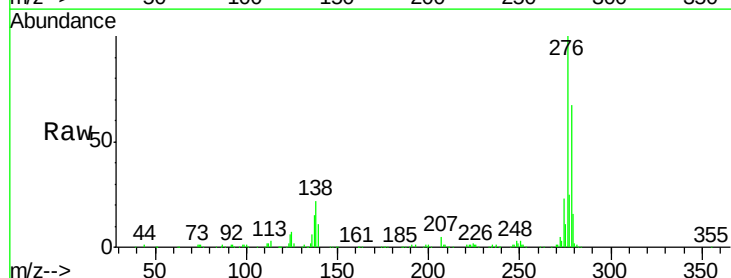
Tgt Ion:278 Resp: 346410

Ion Ratio Lower Upper

278 100

139 16.2 13.9 20.9

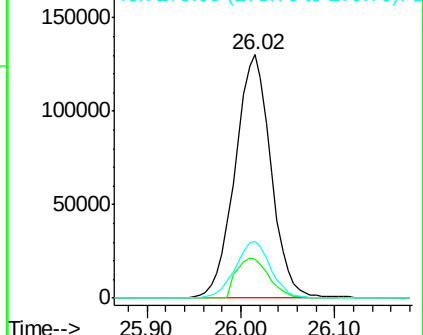
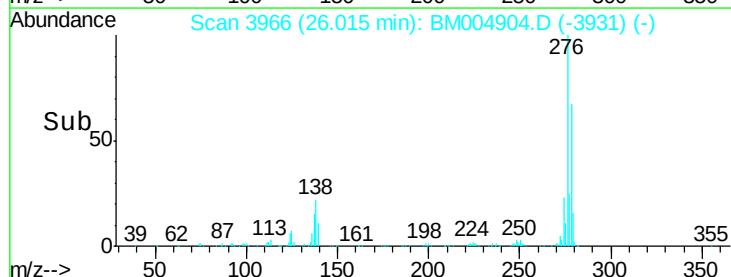
279 23.4 19.0 28.4

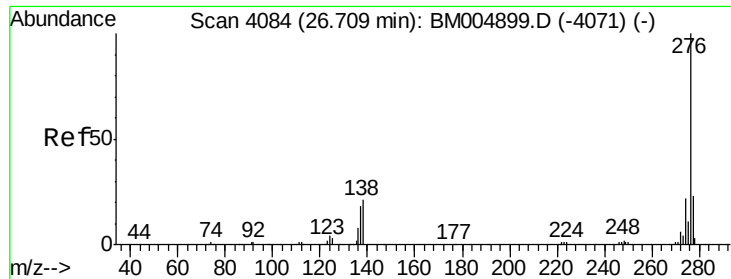


Abundance Ion 278.00 (277.70 to 278.70): E

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

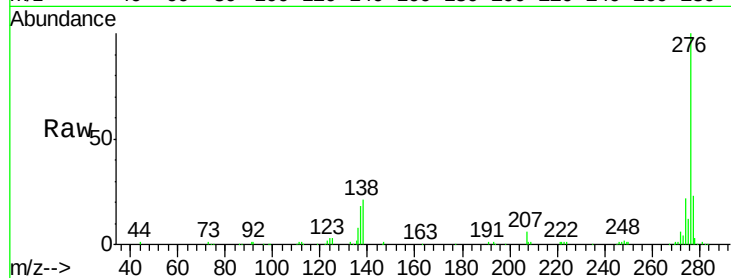
Acq: 06 Apr 2016 14:36

Instrument :

BNA_M

ClientSampleId :

D9SE7



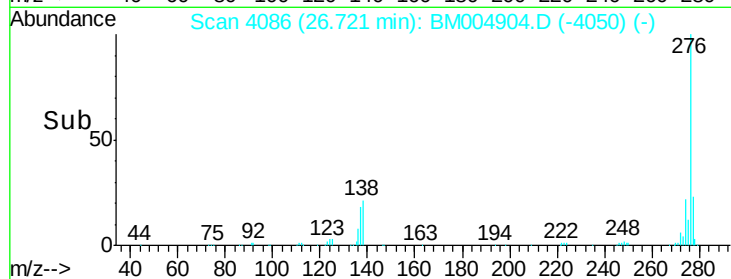
Tgt Ion: 276 Resp: 555727

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

