

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012734.D
 Acq On : 05 Nov 2017 07:15
 Operator : SJ/JU
 Sample : I5825-11 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DUP-5

Quant Time: Nov 06 03:29:08 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 03:22:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	88614	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	331324	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	192917	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	445261	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	558510	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	634128	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	3460	2.11	ng/uL	0.00
5) Phenol-d5	6.99	99	78543	11.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	46541	13.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	70838	12.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	48115	8.45	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	34238	13.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	36412	13.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	70231	12.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	26970	4.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	211432	13.24	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	283019	14.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	13953	5.45	ng/ul	0.02
57) Fluorene-d10	15.44	176	203653	14.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	6903	2.35	ng/ul	0.00
70) Anthracene-d10	17.30	188	324513	15.08	ng/ul	0.00
78) Pyrene-d10	19.59	212	373221	14.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	445295	14.85	ng/ul	0.01

Target Compounds

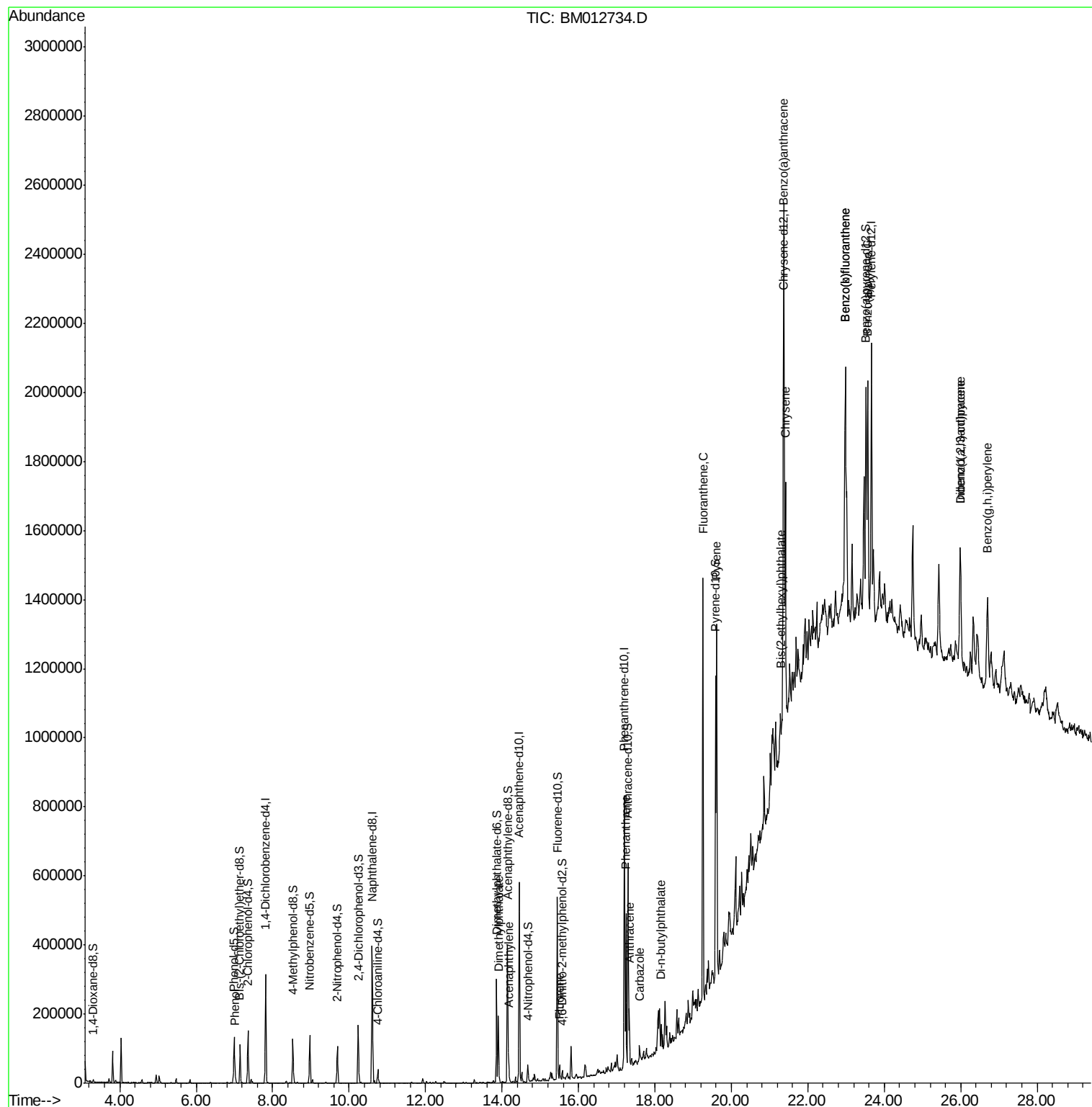
						Ovalue
6) Phenol	7.02	94	14034	2.07	ng/ul	97
44) Dimethylphthalate	13.91	163	123251	7.78	ng/ul	99
47) Acenaphthylene	14.17	152	61103	3.19	ng/ul	99
58) Fluorene	15.50	166	18288	1.16	ng/ul	99
69) Phenanthrene	17.24	178	274038	11.26	ng/ul	99
71) Anthracene	17.33	178	104282	4.13	ng/ul	98
74) Carbazole	17.60	167	30324	1.44	ng/ul	98
75) Di-n-butylphthalate	18.16	149	55602	2.25	ng/ul	98
76) Fluoranthene	19.26	202	732739	25.05	ng/ul#	92
79) Pyrene	19.62	202	627726	18.84	ng/ul#	92
82) Benzo(a)anthracene	21.36	228	432224	12.79	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.29	149	25345	1.43	ng/ul#	78
84) Chrysene	21.42	228	408309	13.33	ng/ul	96
87) Benzo(b)fluoranthene	22.98	252	653237	16.86	ng/ul	94
88) Benzo(k)fluoranthene	22.98	252	653237	17.73	ng/ul	94
90) Benzo(a)pyrene	23.57	252	451496	12.24	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.99	276	355899	8.01	ng/ul#	84
92) Dibenzo(a,h)anthracene	25.99	278	95853	2.55	ng/ul#	87
93) Benzo(g,h,i)perylene	26.70	276	303863	8.30	ng/ul#	90

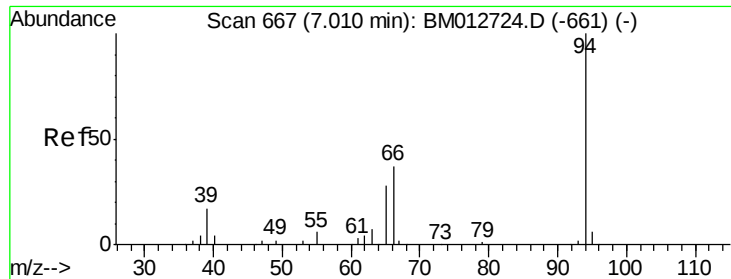
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.07 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

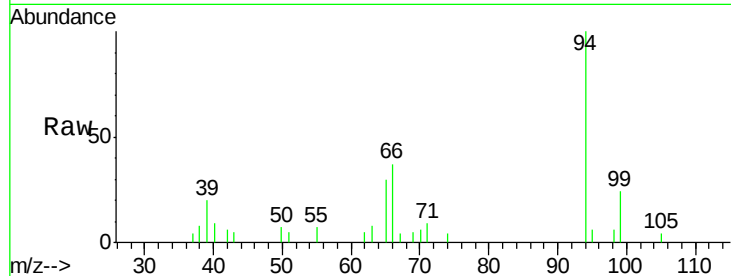
Tot Ion: 94 Resp: 14034

Ion Ratio Lower Upper

94 100

65 29.8 21.0 31.6

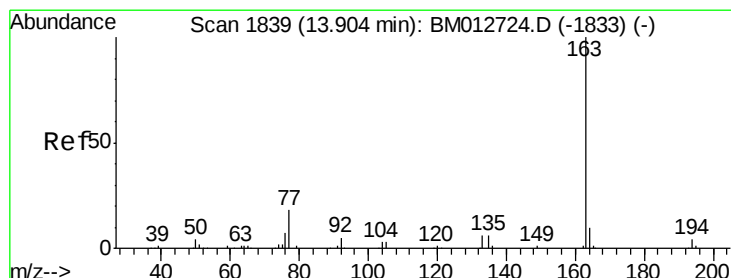
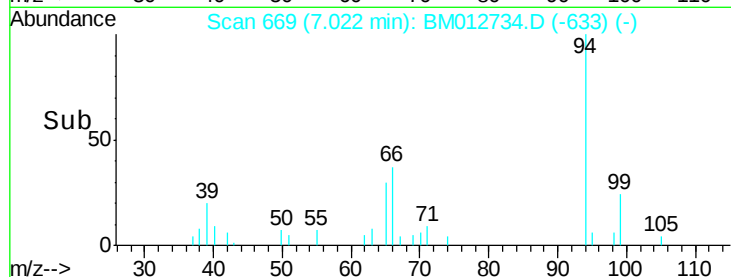
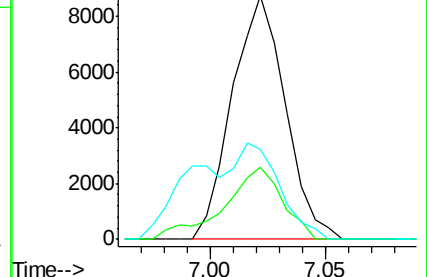
66 36.7 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012724.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM012724.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM012724.D (-661) (-)



#44

Dimethylphthalate

Concen: 7.78 ng/ul

RT: 13.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

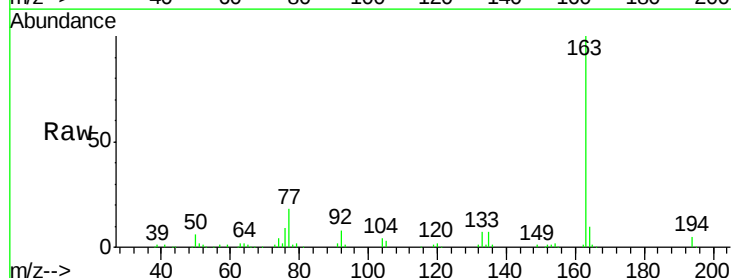
Tgt Ion: 163 Resp: 123251

Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

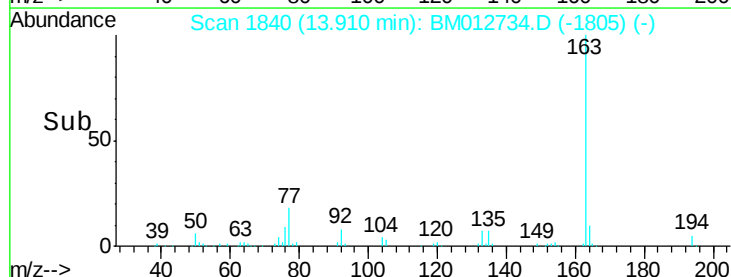
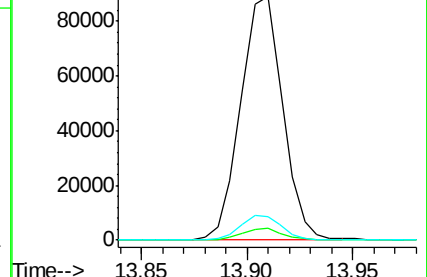
164 9.7 7.8 11.8

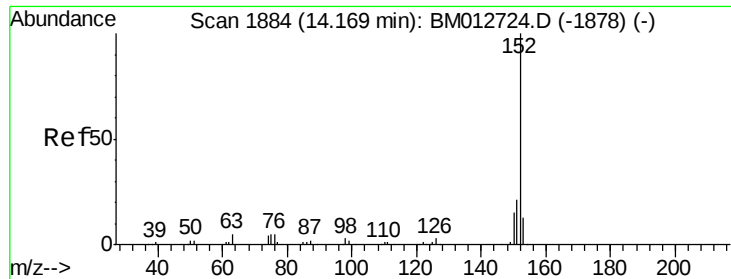


Abundance Ion 163.00 (162.70 to 163.70): BM012724.D (-1833) (-)

Ion 194.00 (193.70 to 194.70): BM012724.D (-1833) (-)

Ion 164.00 (163.70 to 164.70): BM012724.D (-1833) (-)





#47

Acenaphthylene

Concen: 3.19 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampled :

DUP-5

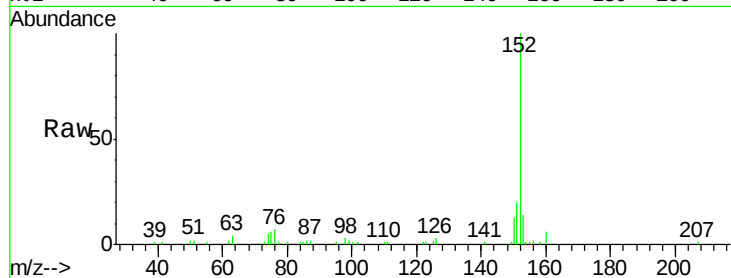
Tot Ion:152 Resp: 61103

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

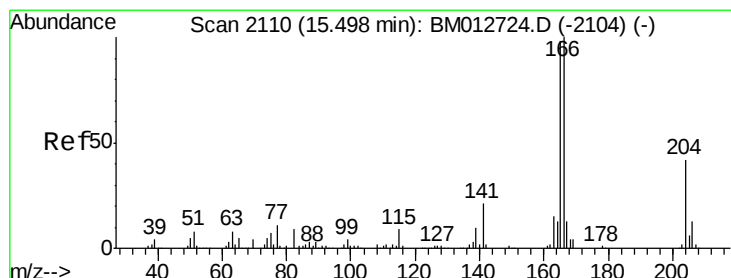
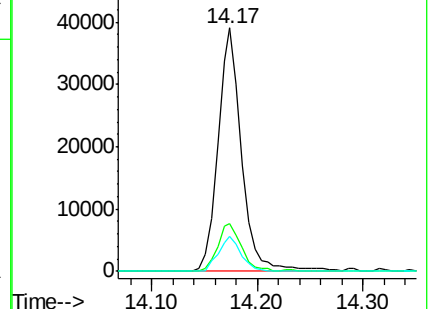
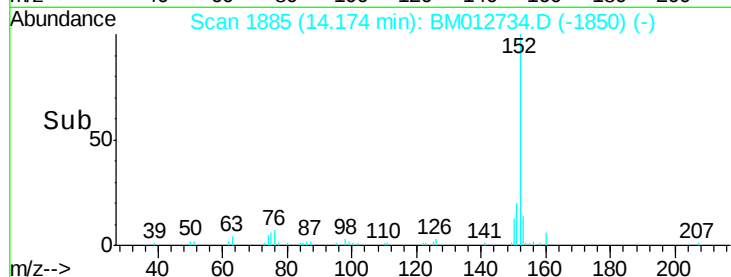
153 14.2 10.5 15.7



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



#58

Fluorene

Concen: 1.16 ng/ul

RT: 15.50 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

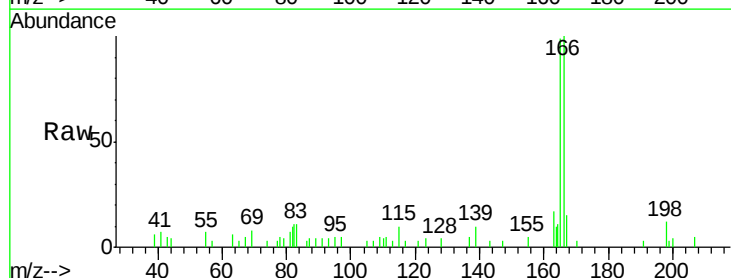
Tgt Ion:166 Resp: 18288

Ion Ratio Lower Upper

166 100

165 98.8 78.5 117.7

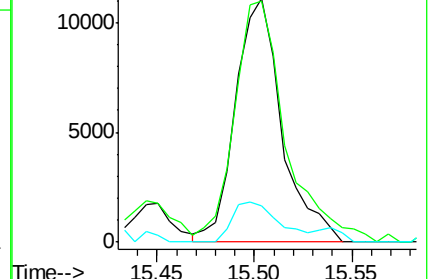
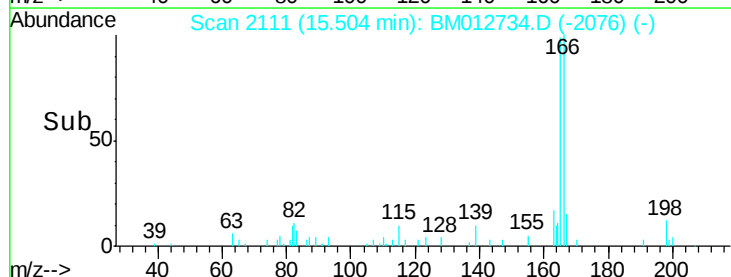
167 14.6 10.7 16.1

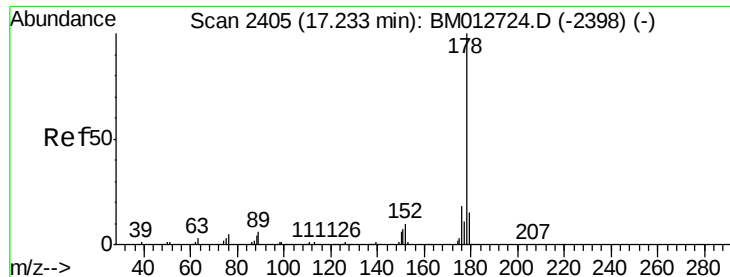


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 11.26 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

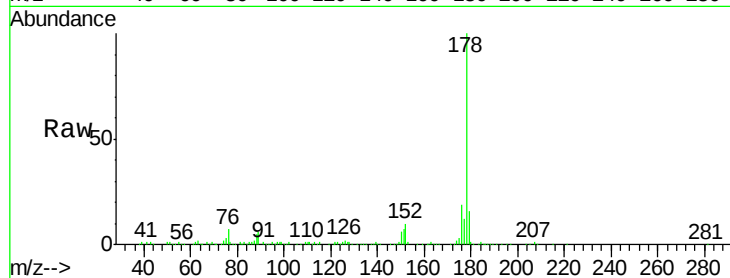
Tot Ion:178 Resp: 274038

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

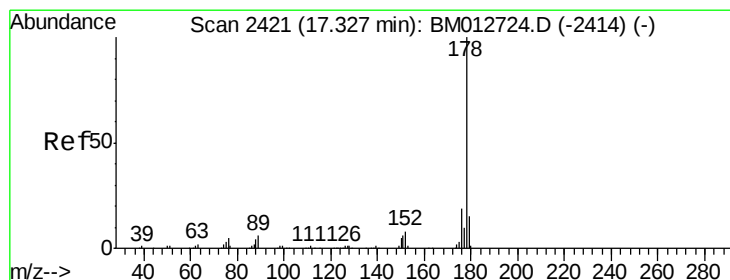
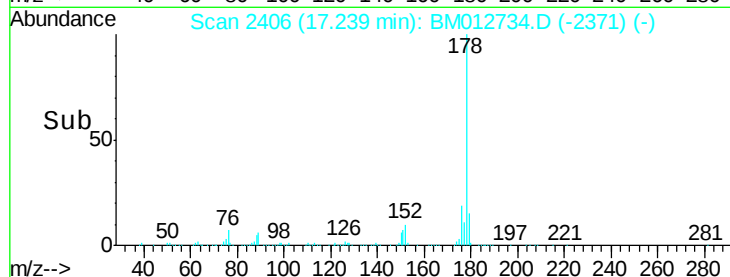
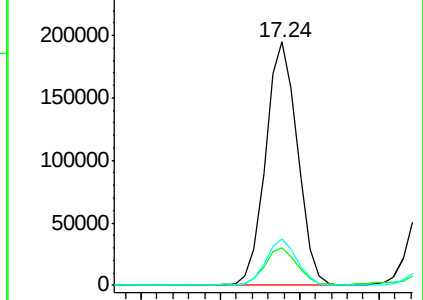
176 19.2 15.6 23.4



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



#71

Anthracene

Concen: 4.13 ng/ul

RT: 17.33 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

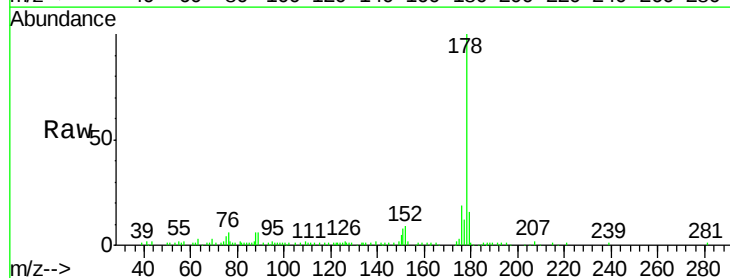
Tgt Ion:178 Resp: 104282

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

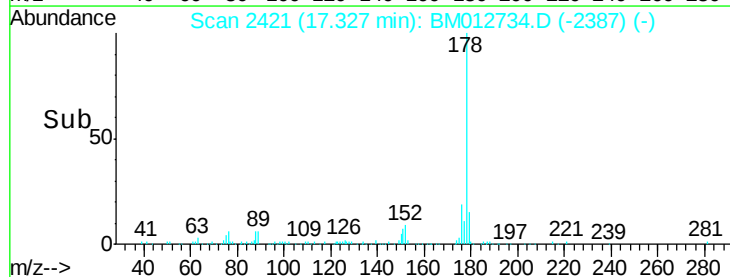
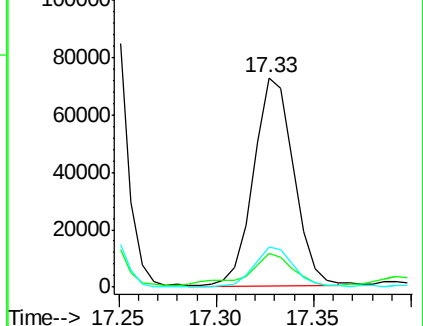
176 19.1 14.8 22.2

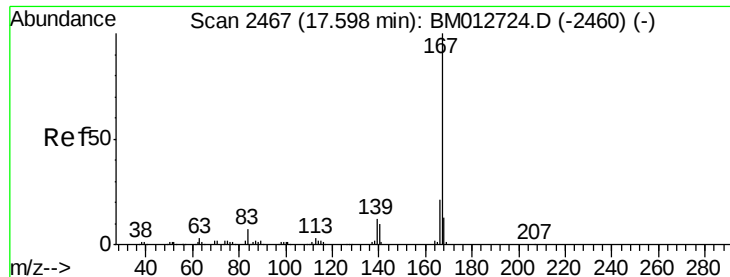


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.44 ng/ul

RT: 17.60 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

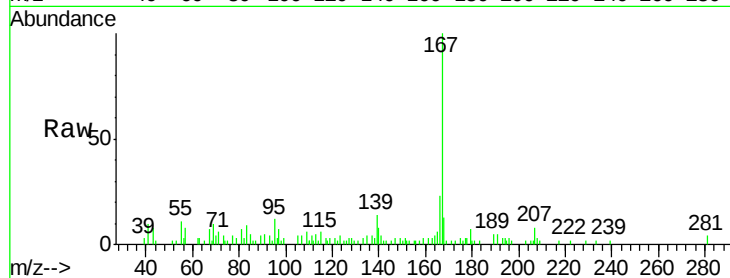
Tot Ion:167 Resp: 30324

Ion Ratio Lower Upper

167 100

166 22.6 17.0 25.6

139 14.4 11.0 16.4

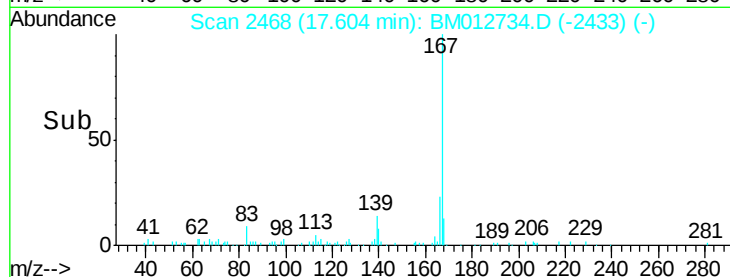


Abundance Ion 167.00 (166.70 to 167.70): E

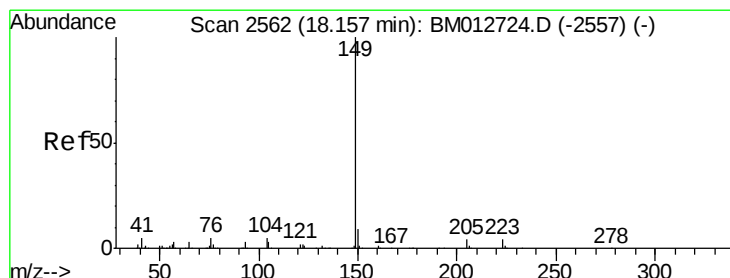
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



Time-->



#75

Di-n-butylphthalate

Concen: 2.25 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

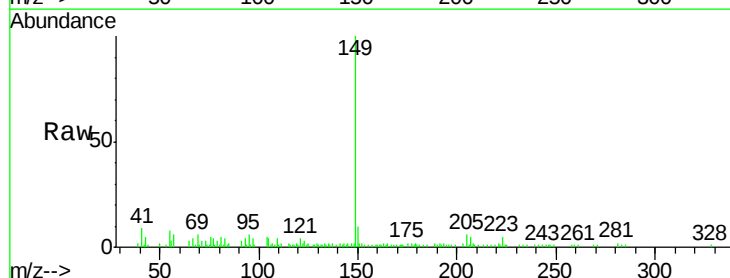
Tgt Ion:149 Resp: 55602

Ion Ratio Lower Upper

149 100

150 10.3 7.4 11.0

104 5.2 4.0 6.0

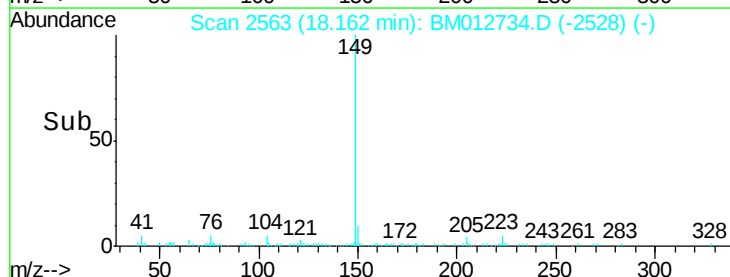


Abundance Ion 149.00 (148.70 to 149.70): E

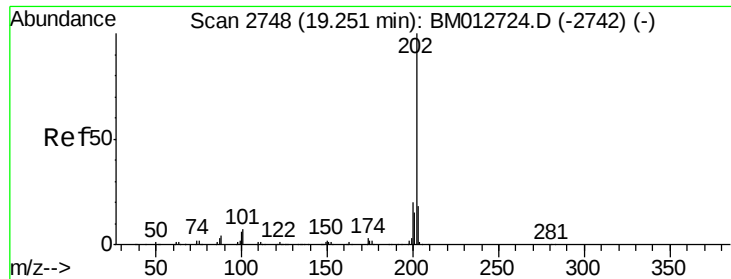
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



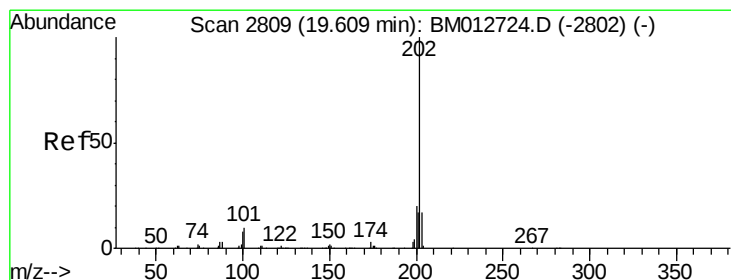
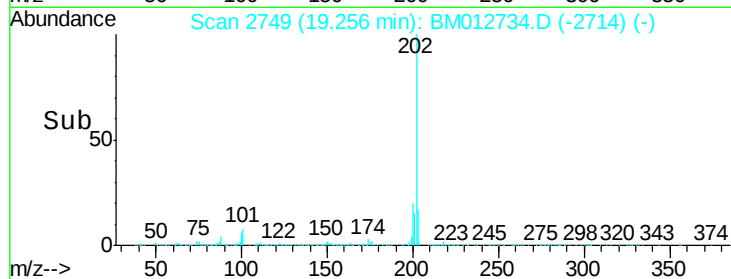
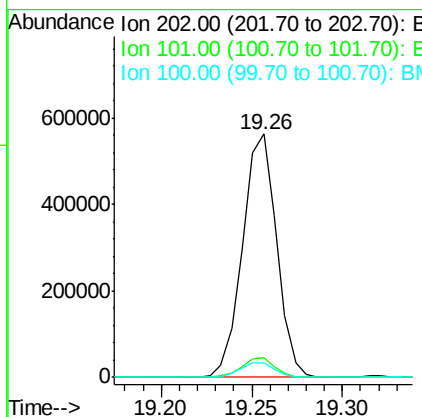
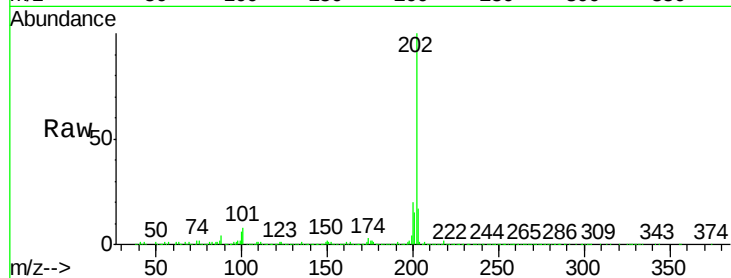
Time-->



#76
 Fluoranthene
 Concen: 25.05 ng/ul
 RT: 19.26 min Scan# 2749
 Delta R.T. 0.01 min
 Lab File: BM012734.D
 Acq: 05 Nov 2017 07:15

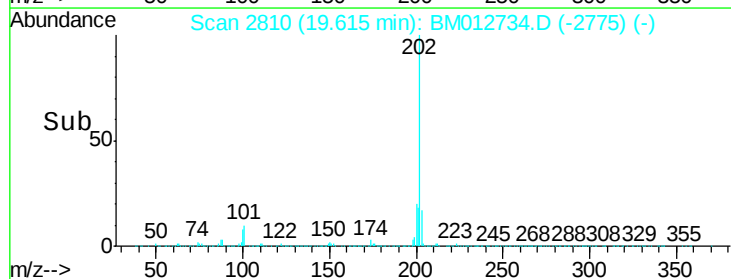
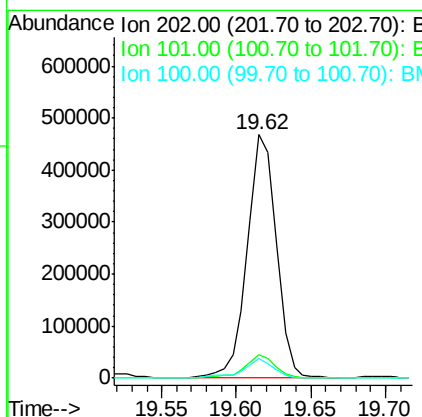
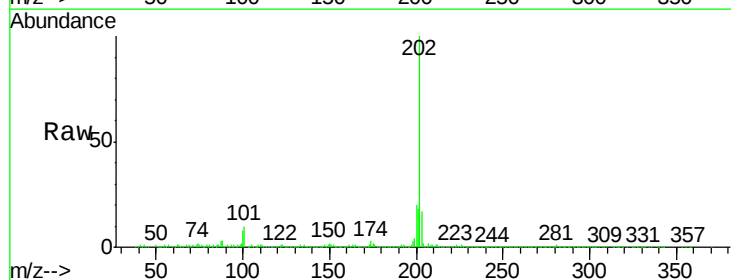
Instrument :
 BNA_M
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 DUP-5

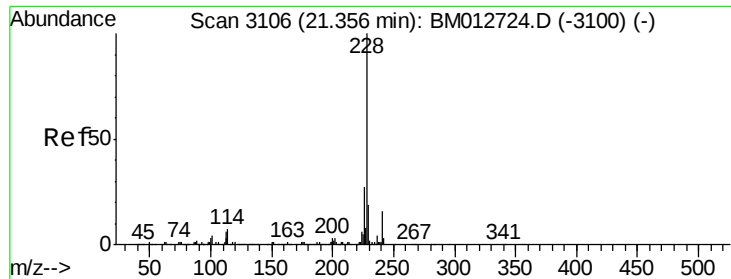
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	8.8	13.2#
100	5.8	6.6	9.8#



#79
 Pyrene
 Concen: 18.84 ng/ul
 RT: 19.62 min Scan# 2810
 Delta R.T. 0.01 min
 Lab File: BM012734.D
 Acq: 05 Nov 2017 07:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	10.2	15.2#
100	7.8	8.5	12.7#





#82

Benzo(a)anthracene

Concen: 12.79 ng/ul

RT: 21.36 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

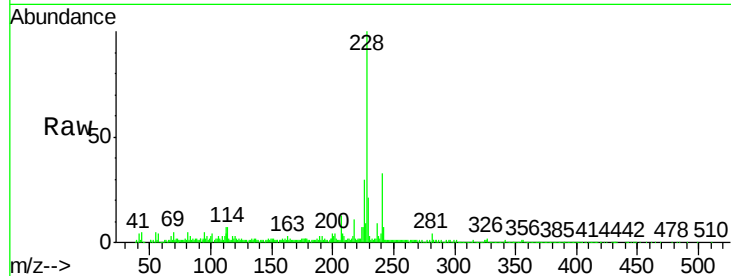
Tot Ion:228 Resp: 432224

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

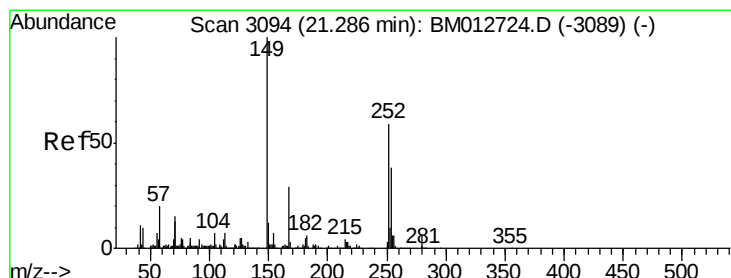
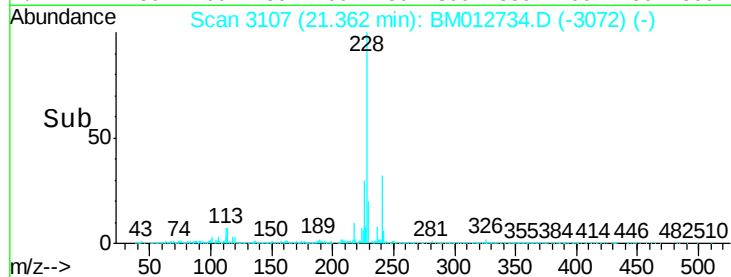
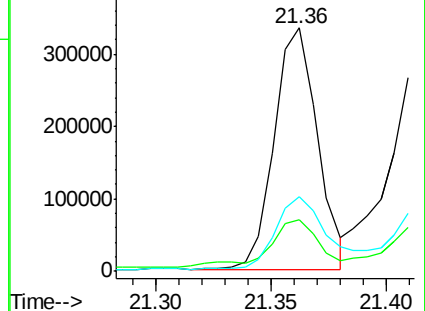
226 30.5 21.8 32.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.43 ng/ul

RT: 21.29 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

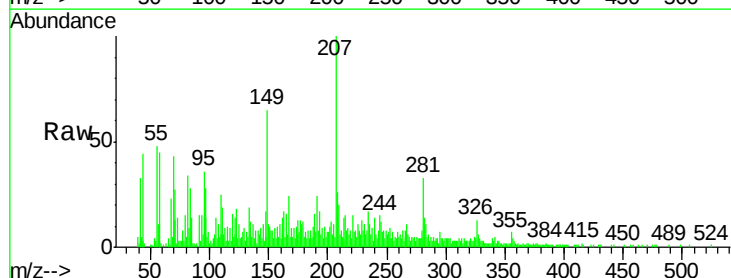
Tgt Ion:149 Resp: 25345

Ion Ratio Lower Upper

149 100

167 37.9 21.6 32.4#

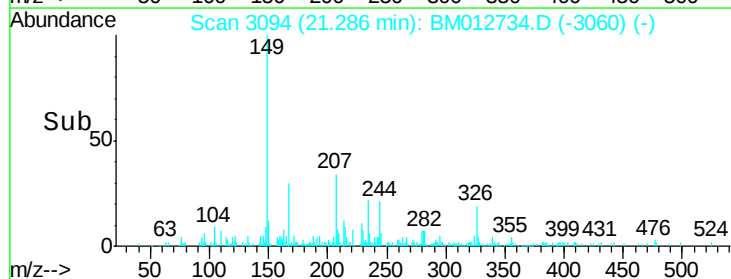
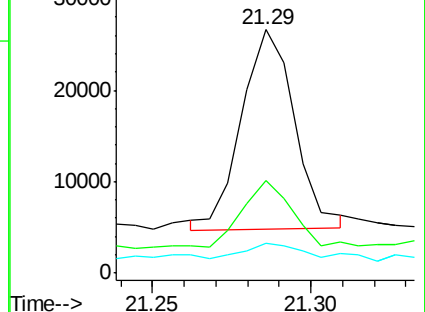
279 12.2 3.0 4.4#

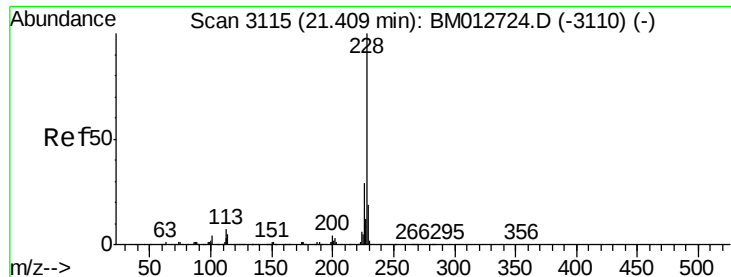


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 13.33 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

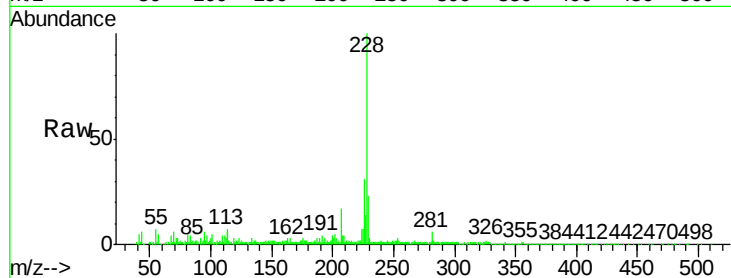
Tot Ion:228 Resp: 408309

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

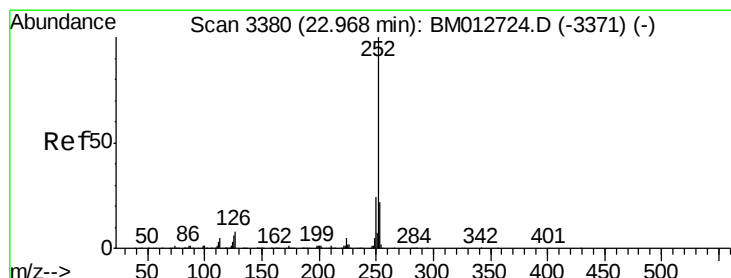
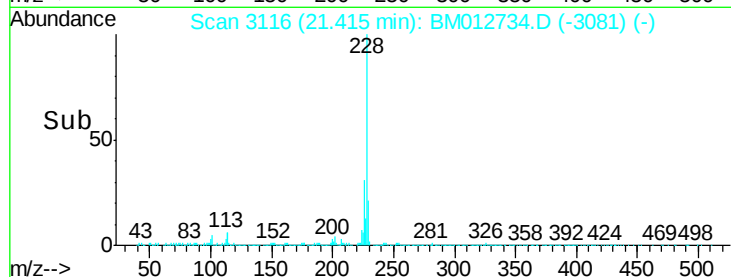
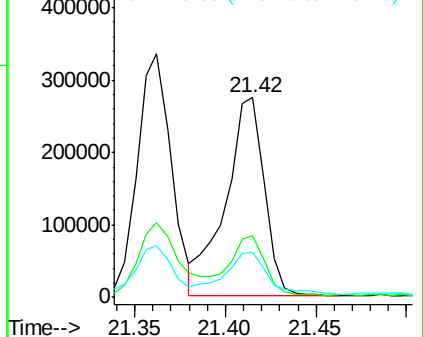
229 22.6 15.6 23.4



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



#87

Benzo(b)fluoranthene

Concen: 16.86 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

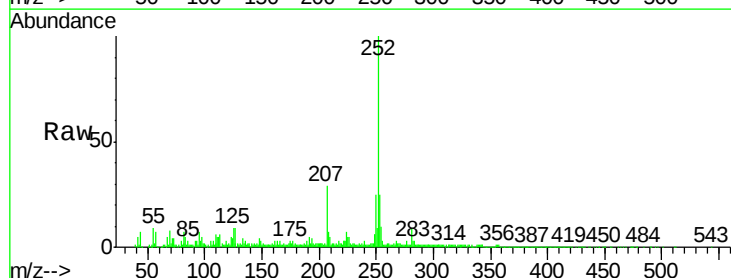
Tgt Ion:252 Resp: 653237

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

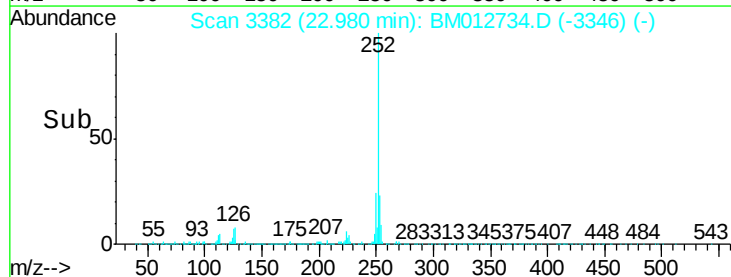
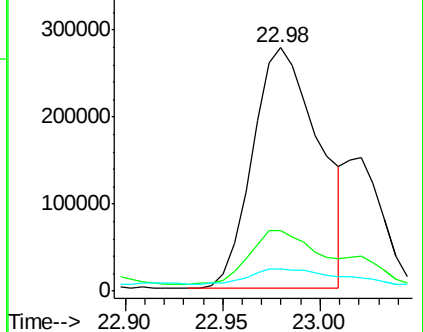
125 8.9 8.5 12.7

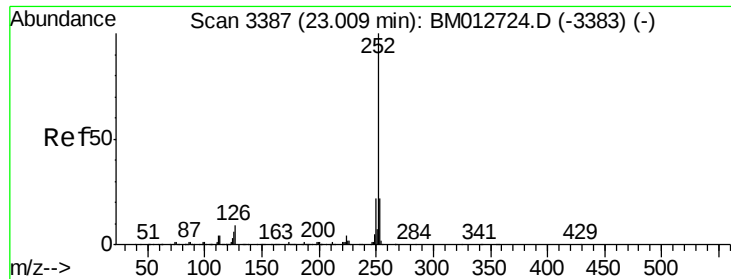


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 17.73 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. -0.03 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

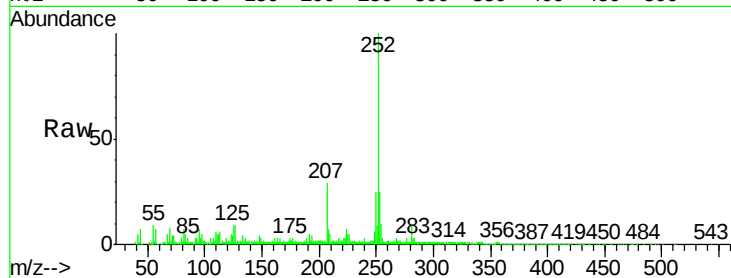
Tot Ion:252 Resp: 653237

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

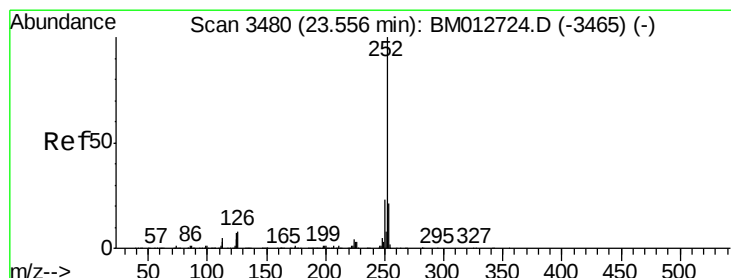
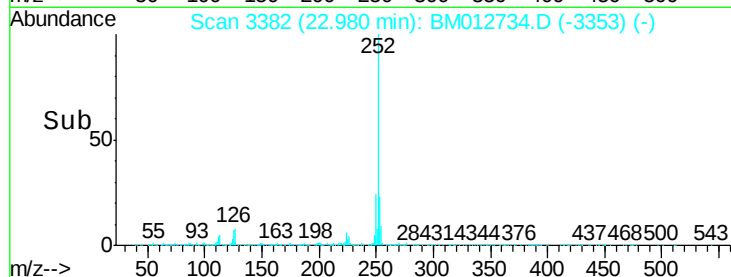
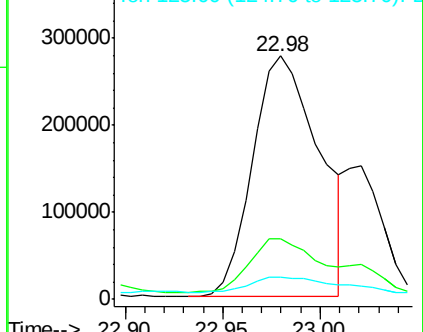
125 8.9 8.2 12.2



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



#90

Benzo(a)pyrene

Concen: 12.24 ng/ul

RT: 23.57 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

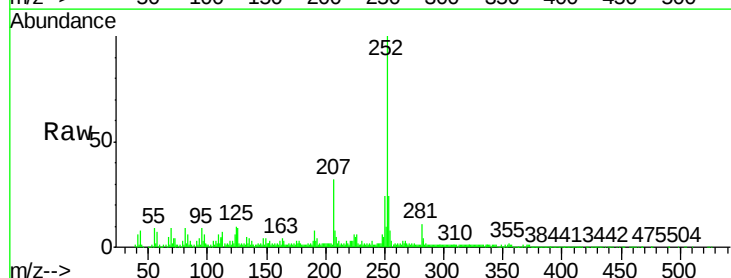
Tgt Ion:252 Resp: 451496

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

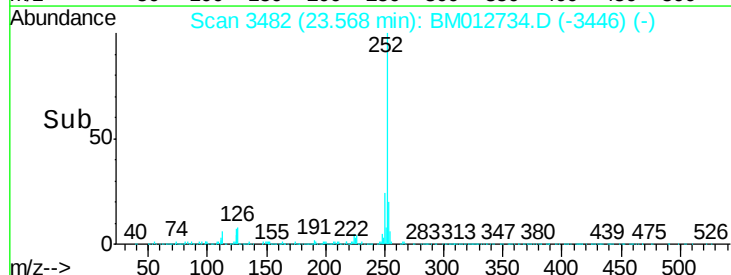
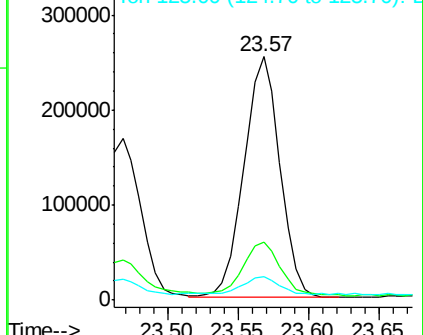
125 9.5 9.0 13.6

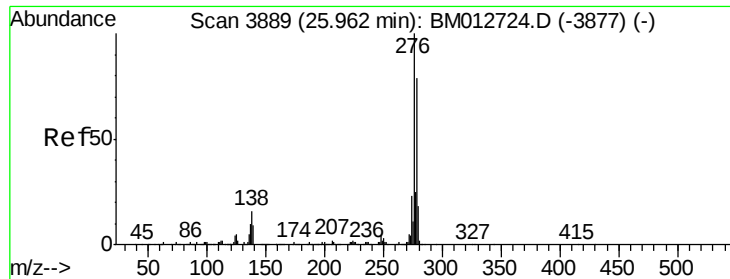


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 8.01 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. 0.02 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

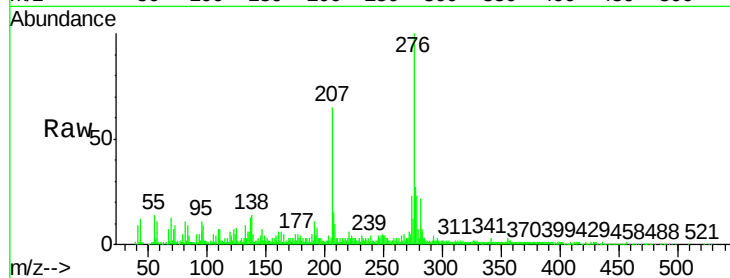
Tot Ion:276 Resp: 355899

Ion Ratio Lower Upper

276 100

138 14.1 22.3 33.5#

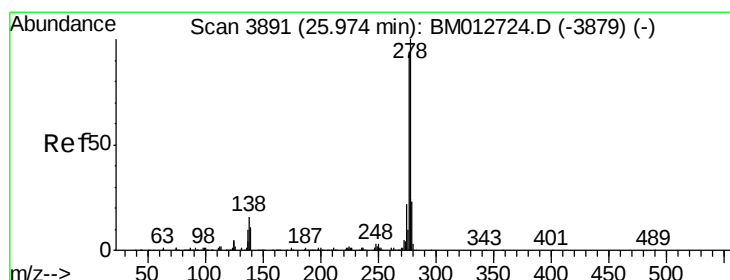
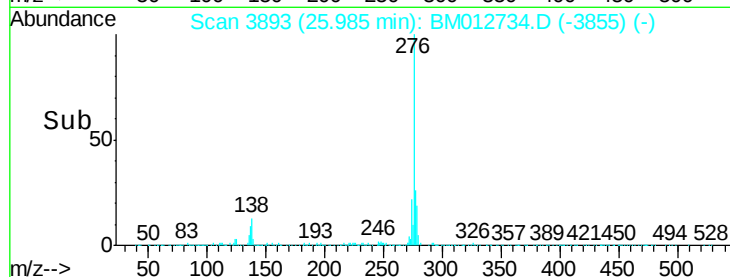
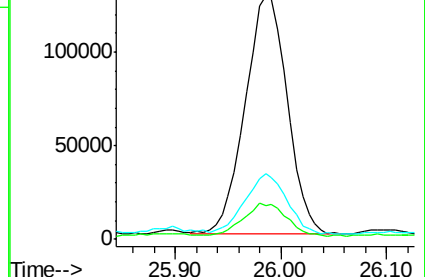
277 27.2 20.2 30.2



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



#92

Dibenzo(a,h)anthracene

Concen: 2.55 ng/ul

RT: 25.99 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

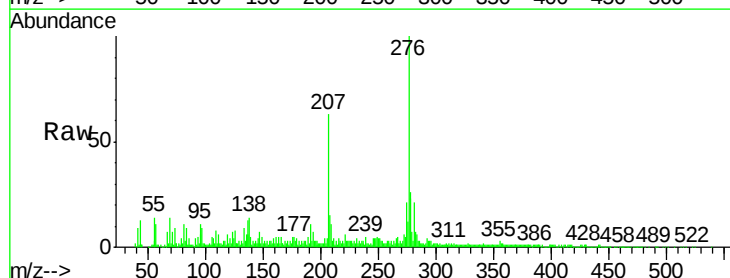
Tgt Ion:278 Resp: 95853

Ion Ratio Lower Upper

278 100

139 20.3 13.9 20.9

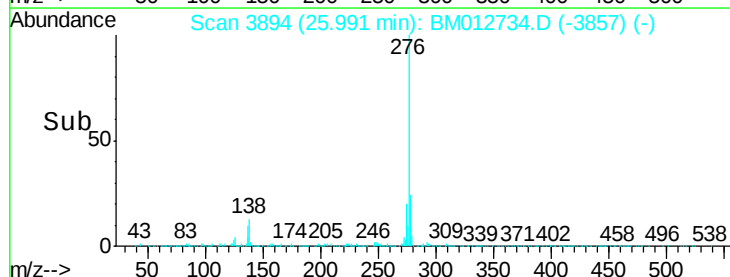
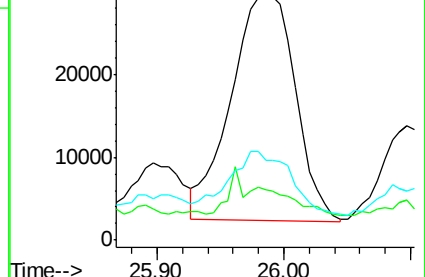
279 32.6 19.0 28.4#

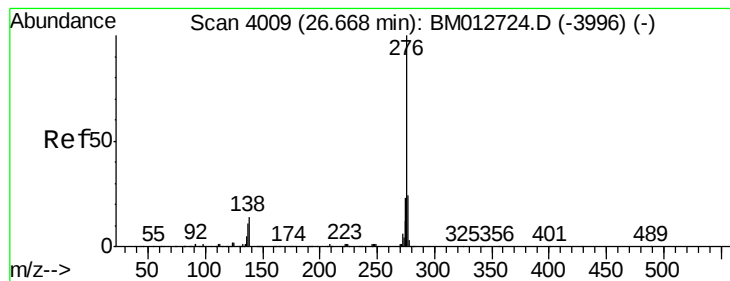


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 8.30 ng/ul

RT: 26.70 min Scan# 4015

Delta R.T. 0.04 min

Lab File: BM012734.D

Acq: 05 Nov 2017 07:15

Instrument :

BNA_M

ClientSampleId :

DUP-5

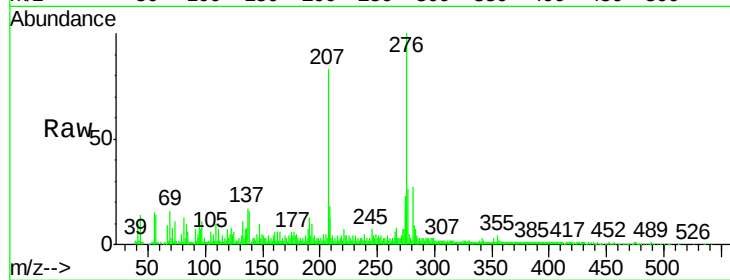
Tot Ion:276 Resp: 303863

Ion Ratio Lower Upper

276 100

138 15.5 18.9 28.3#

277 25.8 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

