

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
 Data File : BM004548.D
 Acq On : 04 Mar 2016 01:01
 Operator : SJ/UM
 Sample : H1616-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P009-SS002-01

Quant Time: Mar 04 04:34:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 04 04:25:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	37380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	179461	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	106389	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	216237	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	150964	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	143204	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	1979	2.85	ng/uL	0.00
5) Phenol-d5	6.84	99	60185	19.98	ng/ul	0.05
7) Bis-(2-Chloroethyl)ether-d	6.93	67	27473	18.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	54491	20.29	ng/ul	0.02
13) 4-Methylphenol-d8	8.36	113	53843	20.28	ng/ul	0.04
19) Nitrobenzene-d5	8.76	128	27681	20.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	33074	21.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	58544	21.08	ng/ul	0.05
29) 4-Chloroaniline-d4	10.54	131	27283	7.99	ng/ul	0.01
44) Dimethylphthalate-d6	13.67	166	189782	21.45	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	232684	21.75	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	454	0.35	ng/ul	-0.09
58) Fluorene-d10	15.26	176	165846	21.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	25006	17.81	ng/ul	0.00
71) Anthracene-d10	17.12	188	232007	21.93	ng/ul	0.00
79) Pyrene-d10	19.43	212	202583	24.95	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	164767	21.63	ng/ul	0.02

Target Compounds

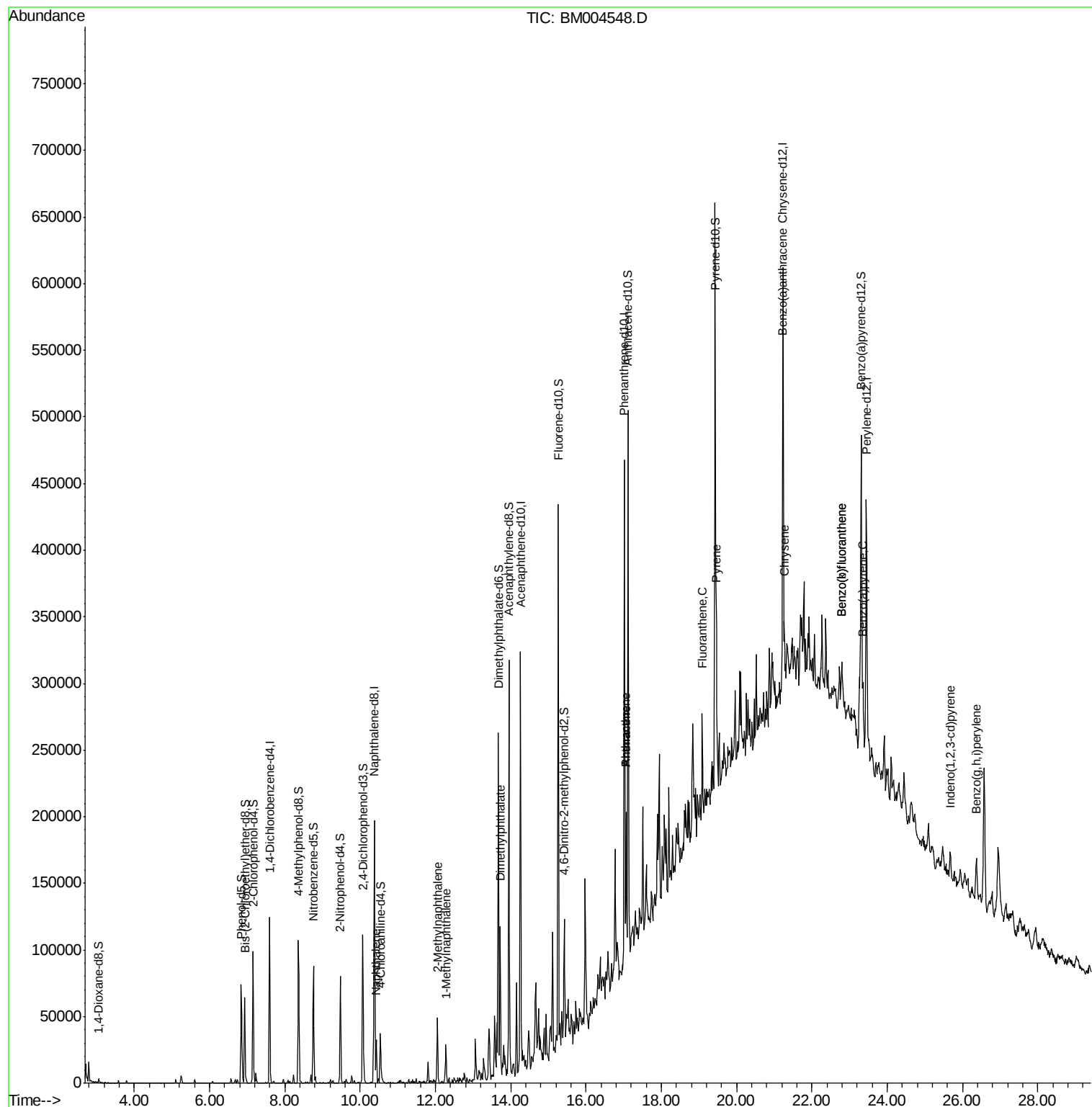
						Qvalue
28) Naphthalene	10.43	128	28780	2.92	ng/ul	99
34) 2-Methylnaphthalene	12.05	142	25349	3.43	ng/ul	100
35) 1-Methylnaphthalene	12.27	142	16200	2.30	ng/ul	95
45) Dimethylphthalate	13.72	163	71291	7.66	ng/ul	99
70) Phenanthrene	17.06	178	65818	5.08	ng/ul	98
72) Anthracene	17.06	178	65818	5.00	ng/ul	98
77) Fluoranthene	19.09	202	39558	2.83	ng/ul	98
80) Pyrene	19.46	202	71490	6.53	ng/ul	99
83) Benzo(a)anthracene	21.22	228	25575	2.62	ng/ul#	82
85) Chrysene	21.26	228	32068	3.43	ng/ul#	87
88) Benzo(b)fluoranthene	22.79	252	34354	3.60	ng/ul#	78
89) Benzo(k)fluoranthene	22.79	252	34710	3.67	ng/ul#	77
91) Benzo(a)pyrene	23.35	252	27076	3.00	ng/ul#	83
92) Indeno(1,2,3-cd)pyrene	25.68	276	17900	1.99	ng/ul	96
94) Benzo(g,h,i)perylene	26.36	276	33193	4.39	ng/ul	93

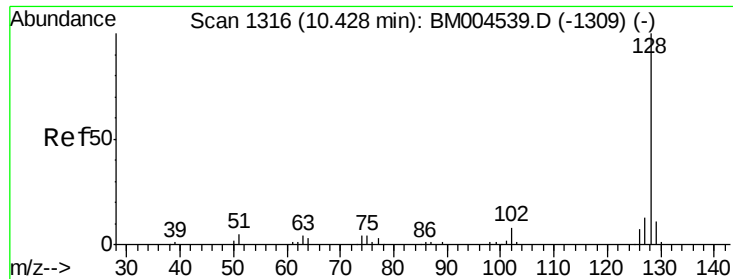
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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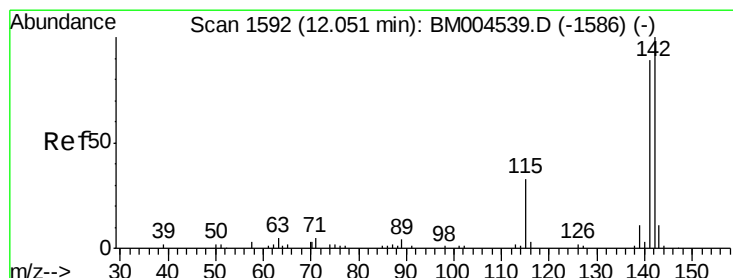
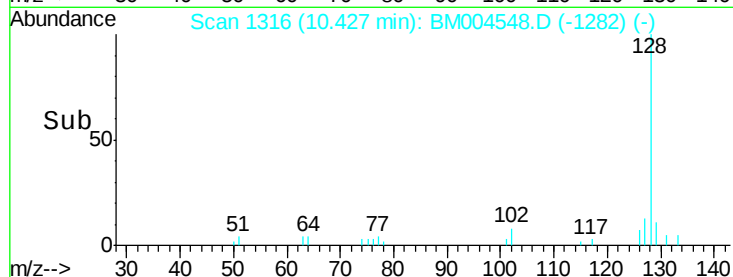
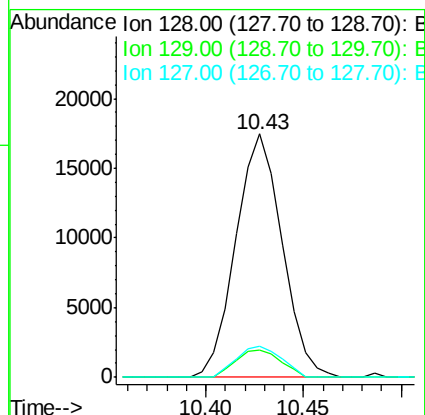
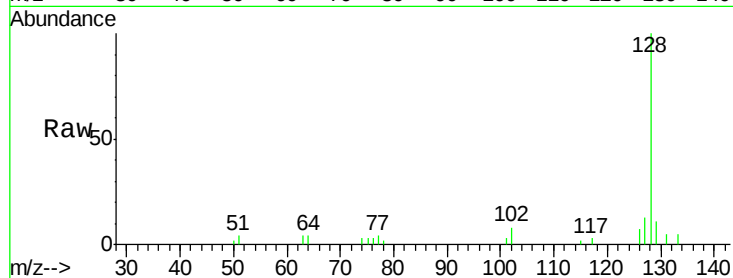




#28
Naphthalene
Concen: 2.92 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BM004548.D
Acq: 04 Mar 2016 01:01

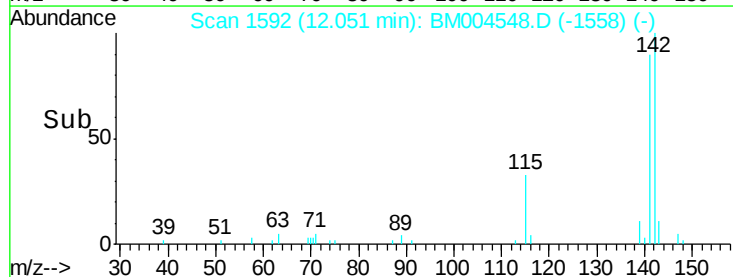
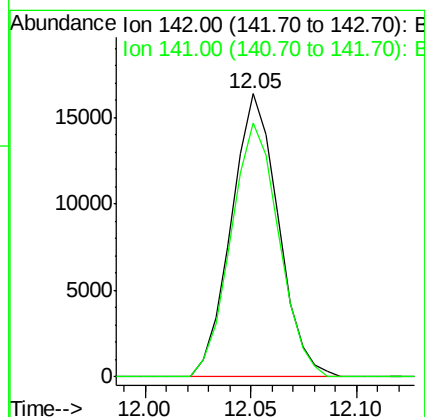
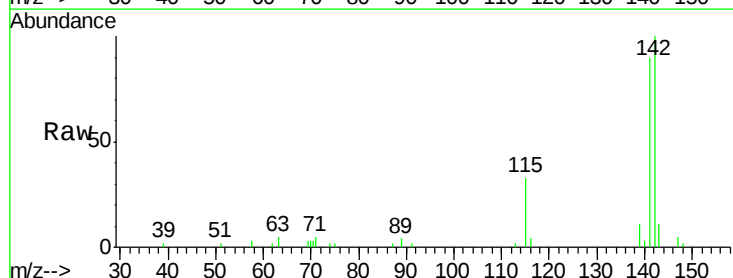
Instrument :
BNA_M
ClientSampleId :
P009-SS002-01

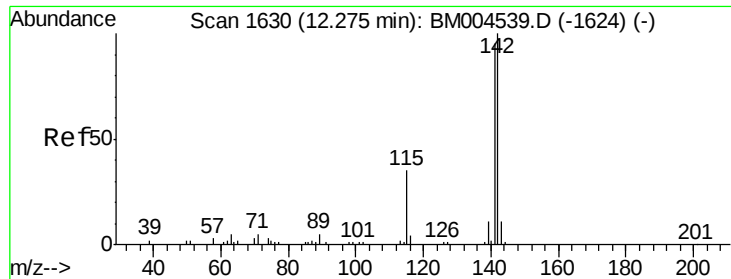
Tgt Ion:128 Resp: 28780
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.8 10.5 15.7



#34
2-Methylnaphthalene
Concen: 3.43 ng/ul
RT: 12.05 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BM004548.D
Acq: 04 Mar 2016 01:01

Tgt Ion:142 Resp: 25349
Ion Ratio Lower Upper
142 100
141 89.6 71.6 107.4

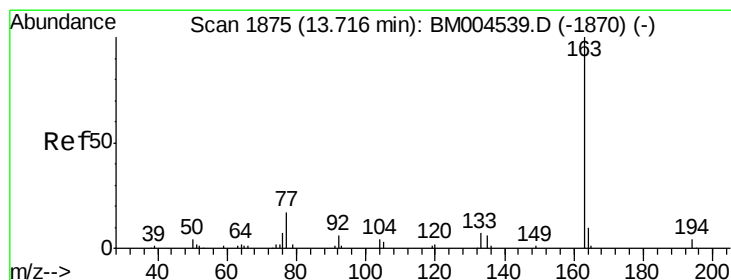
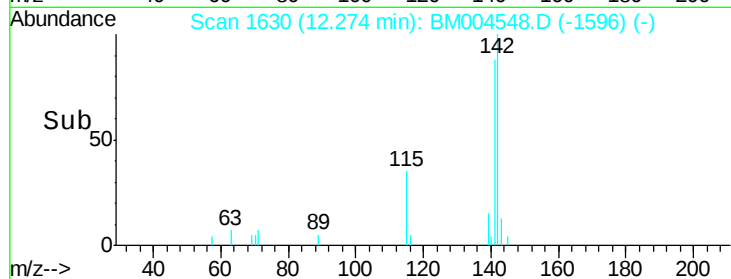
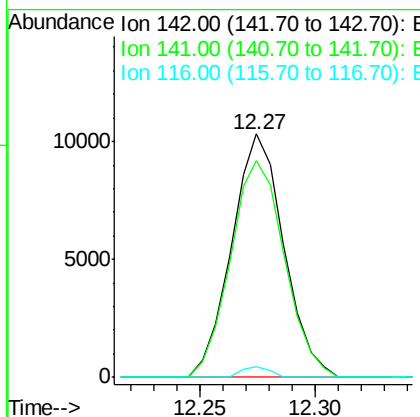
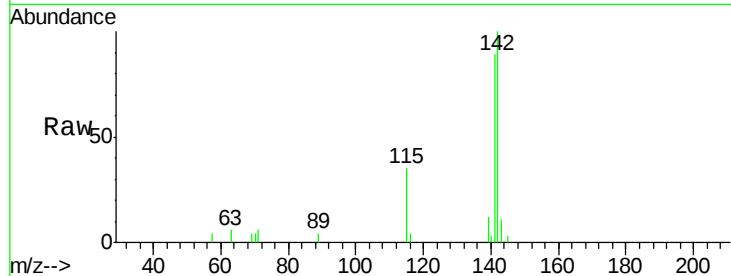




#35
 1-Methylnaphthalene
 Concen: 2.30 ng/ul
 RT: 12.27 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BM004548.D
 Acq: 04 Mar 2016 01:01

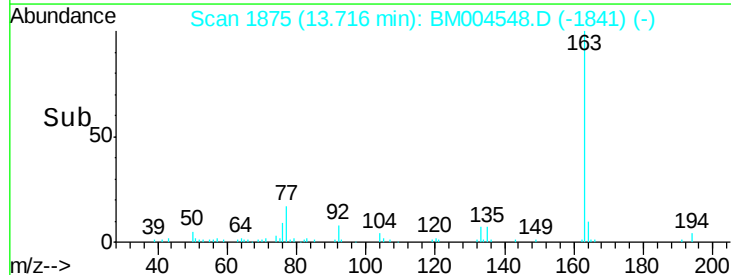
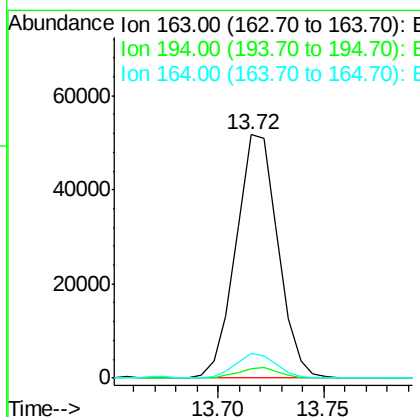
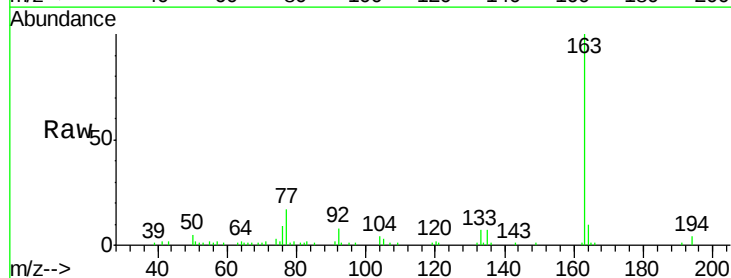
Instrument :
 BNA_M
 ClientSampleId :
 P009-SS002-01

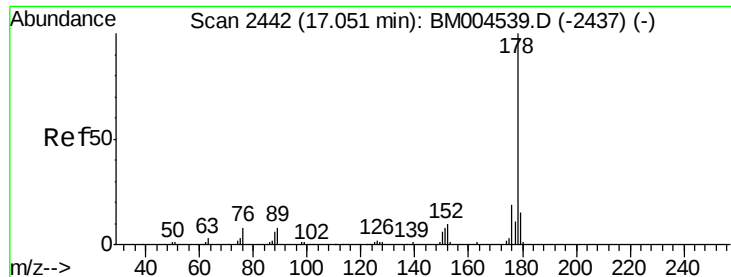
Tgt Ion:142 Resp: 16200
 Ion Ratio Lower Upper
 142 100
 141 88.8 74.9 112.3
 116 4.3 3.1 4.7



#45
 Dimethylphthalate
 Concen: 7.66 ng/ul
 RT: 13.72 min Scan# 1875
 Delta R.T. -0.00 min
 Lab File: BM004548.D
 Acq: 04 Mar 2016 01:01

Tgt Ion:163 Resp: 71291
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.2 4.8
 164 10.3 7.8 11.8





#70

Phenanthrene

Concen: 5.08 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

Instrument :

BNA_M

ClientSampleId :

P009-SS002-01

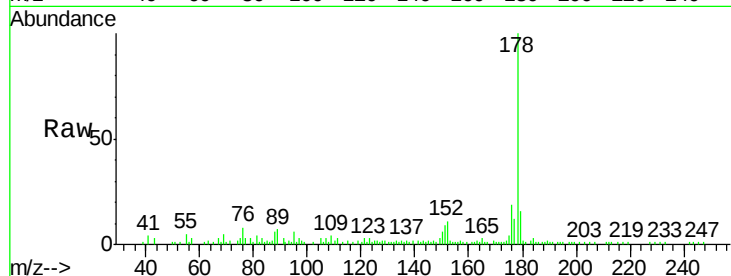
Tgt Ion:178 Resp: 65818

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

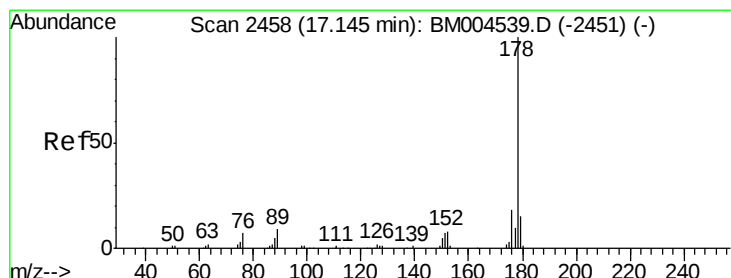
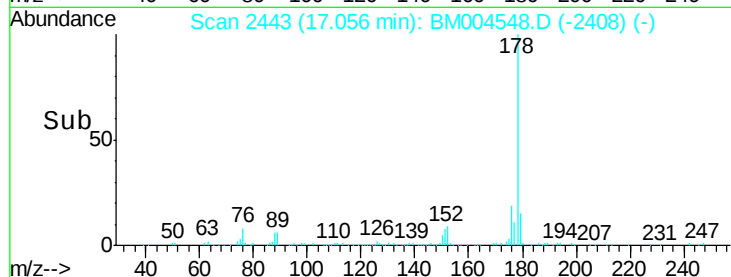
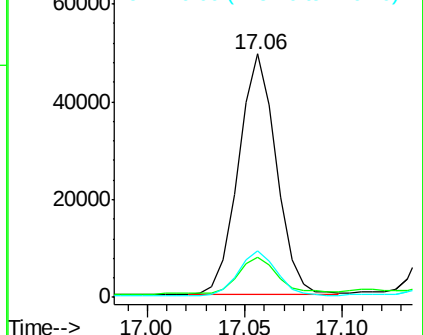
176 19.1 15.6 23.4



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



#72

Anthracene

Concen: 5.00 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. -0.09 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

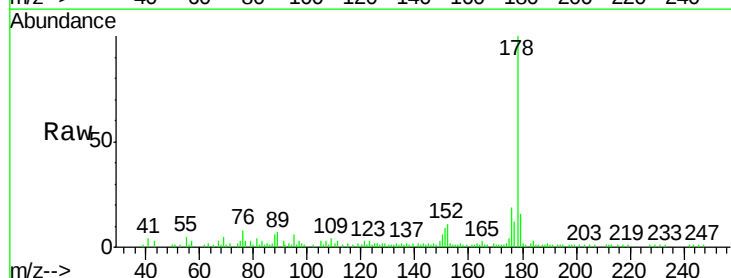
Tgt Ion:178 Resp: 65818

Ion Ratio Lower Upper

178 100

179 16.5 12.1 18.1

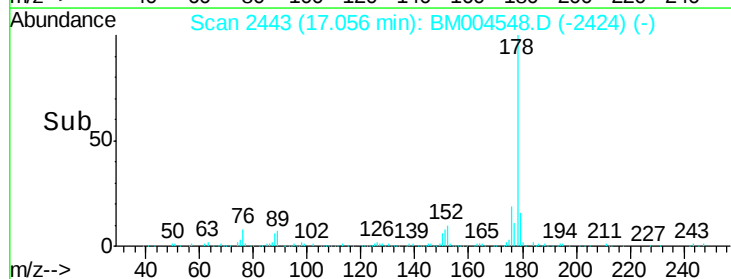
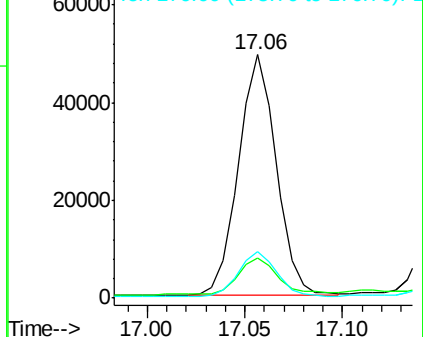
176 19.1 14.8 22.2

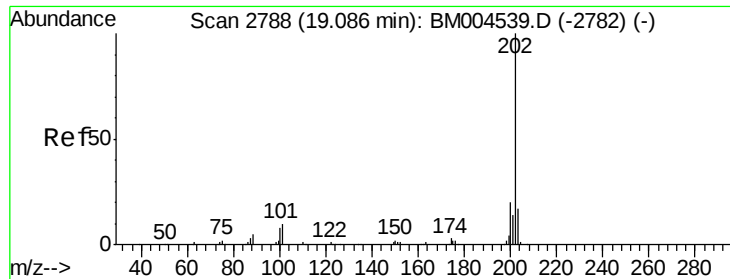


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 2.83 ng/ul

RT: 19.09 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

Instrument :

BNA_M

ClientSampleId :

P009-SS002-01

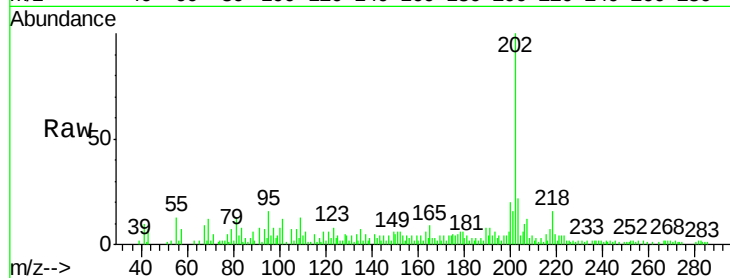
Tgt Ion:202 Resp: 39558

Ion Ratio Lower Upper

202 100

101 12.4 8.8 13.2

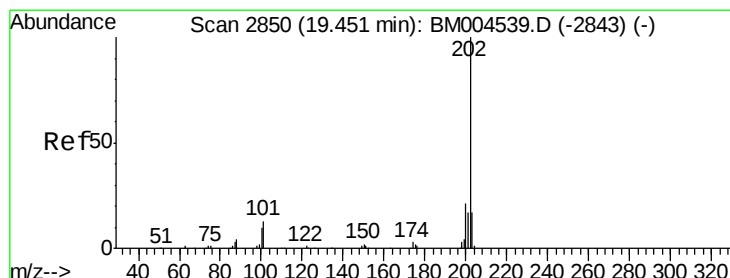
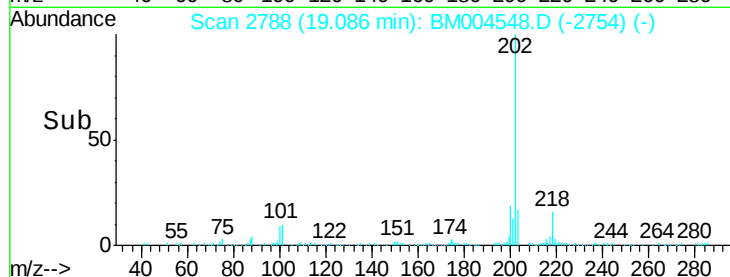
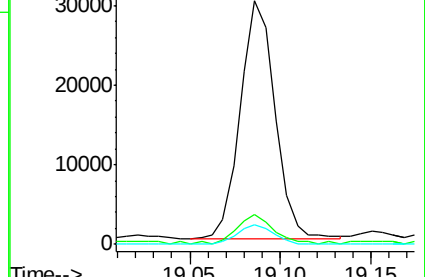
100 8.2 6.6 9.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 6.53 ng/ul

RT: 19.46 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

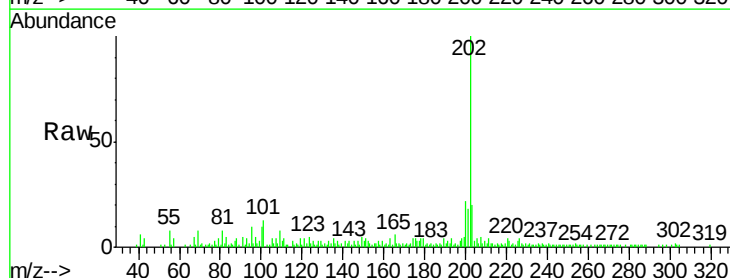
Tgt Ion:202 Resp: 71490

Ion Ratio Lower Upper

202 100

101 12.7 10.2 15.2

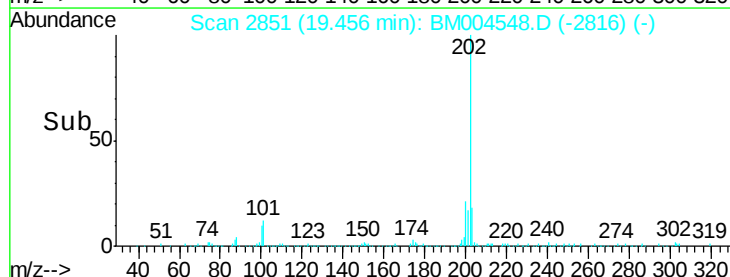
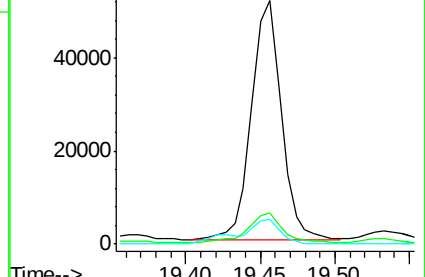
100 10.0 8.5 12.7

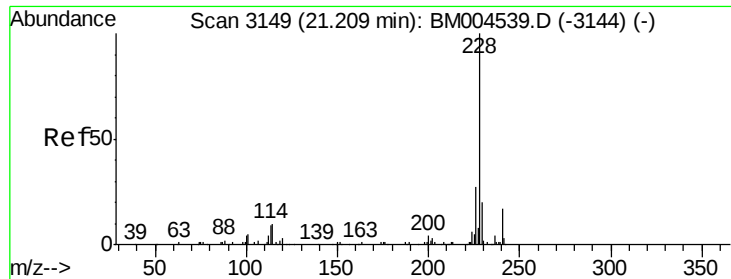


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

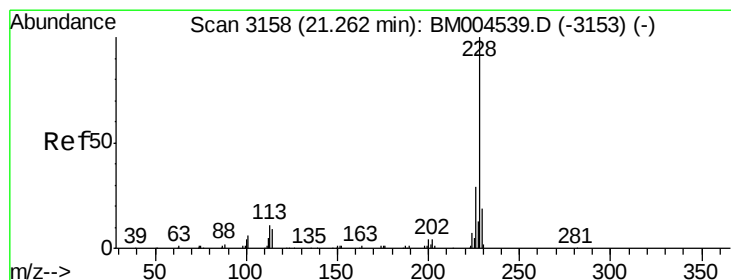
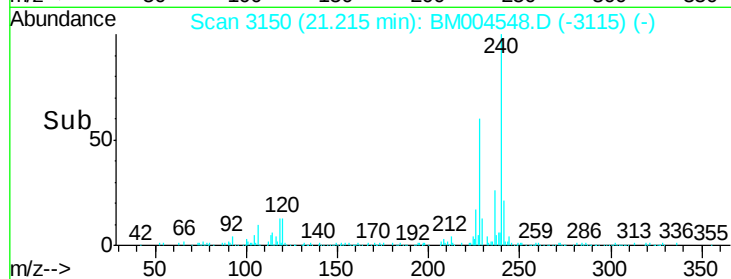
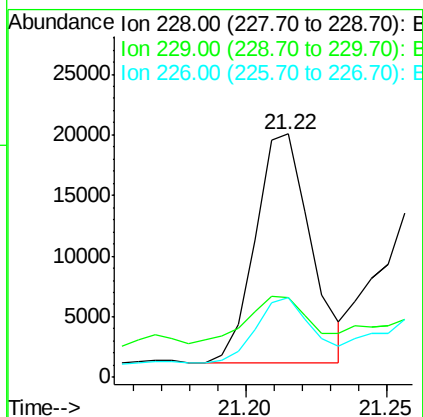
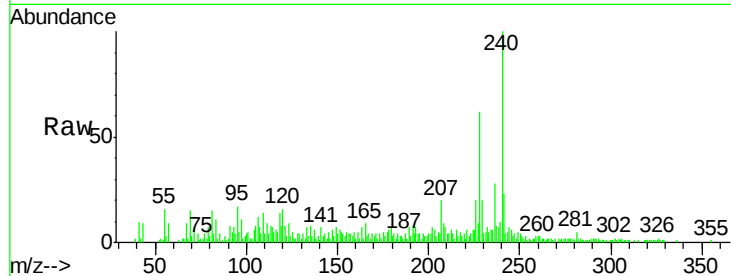




#83
Benzo(a)anthracene
Concen: 2.62 ng/ul
RT: 21.22 min Scan# 3150
Delta R.T. 0.01 min
Lab File: BM004548.D
Acq: 04 Mar 2016 01:01

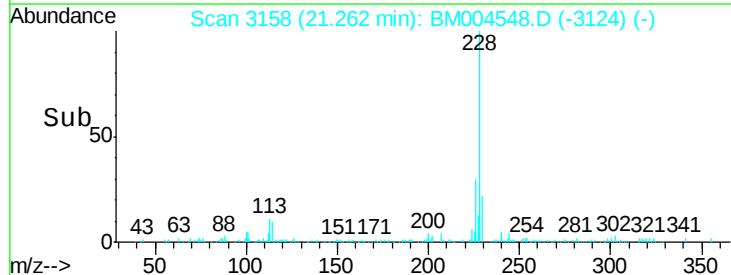
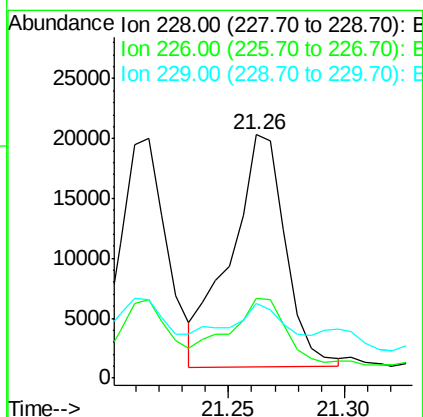
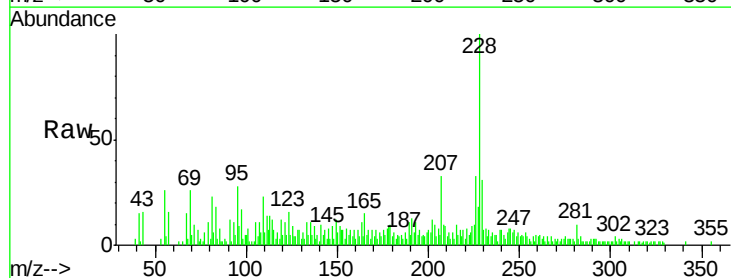
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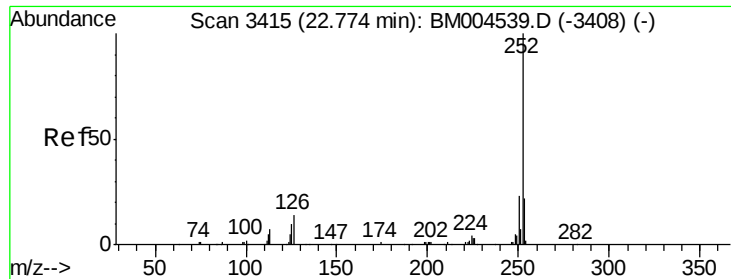
Tgt Ion:228 Resp: 25575
Ion Ratio Lower Upper
228 100
229 32.8 15.7 23.5#
226 32.7 21.8 32.6#



#85
Chrysene
Concen: 3.43 ng/ul
RT: 21.26 min Scan# 3158
Delta R.T. -0.00 min
Lab File: BM004548.D
Acq: 04 Mar 2016 01:01

Tgt Ion:228 Resp: 32068
Ion Ratio Lower Upper
228 100
226 32.6 24.0 36.0
229 30.7 15.6 23.4#





#88

Benzo(b)fluoranthene

Concen: 3.60 ng/ul

RT: 22.79 min Scan# 3417

Delta R.T. 0.01 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

Instrument :

BNA_M

ClientSampleId :

P009-SS002-01

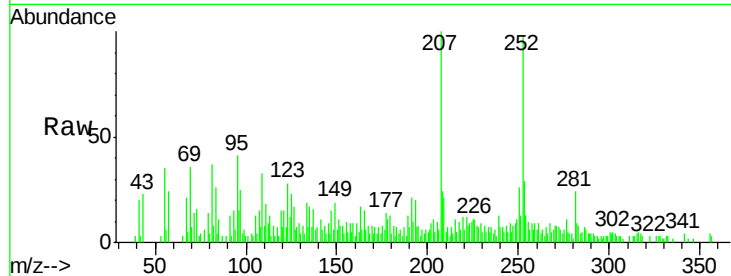
Tgt Ion:252 Resp: 34354

Ion Ratio Lower Upper

252 100

253 29.5 17.5 26.3#

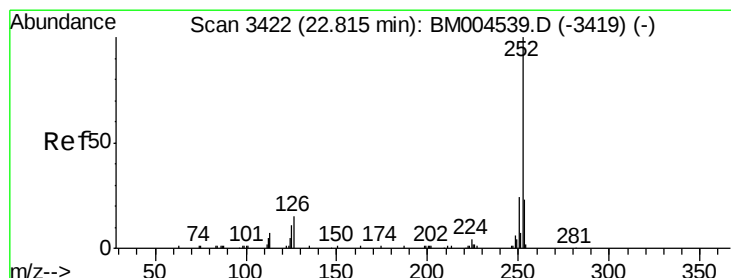
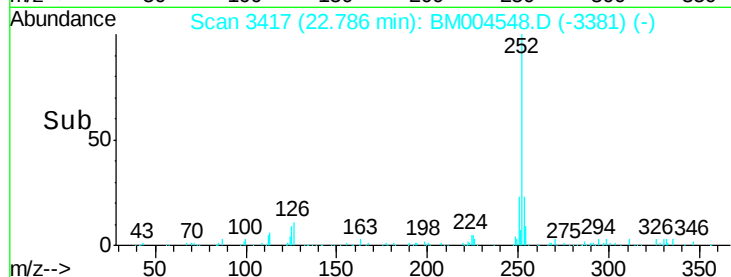
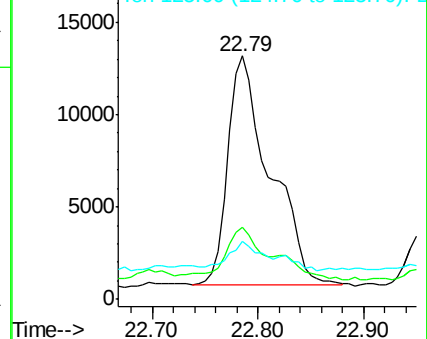
125 23.7 8.5 12.7#



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: 3.67 ng/ul

RT: 22.79 min Scan# 3417

Delta R.T. -0.03 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

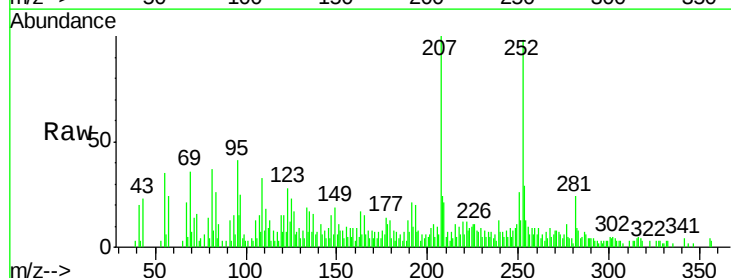
Tgt Ion:252 Resp: 34710

Ion Ratio Lower Upper

252 100

253 29.5 17.3 25.9#

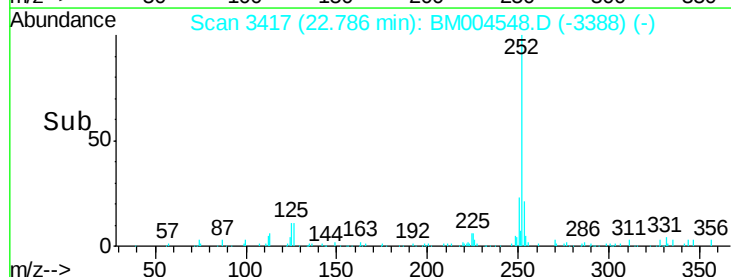
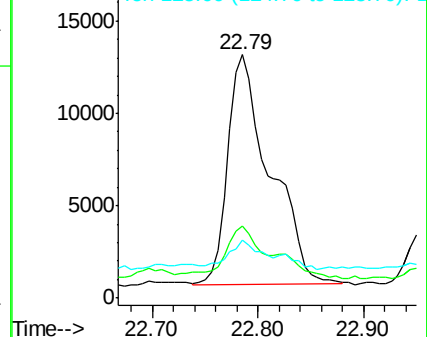
125 23.7 8.2 12.2#

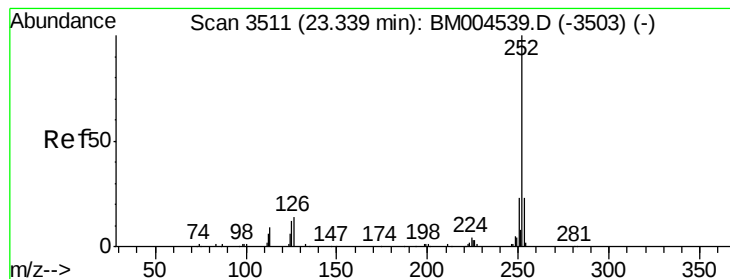


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 3.00 ng/ul

RT: 23.35 min Scan# 3513

Delta R.T. 0.01 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

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P009-SS002-01

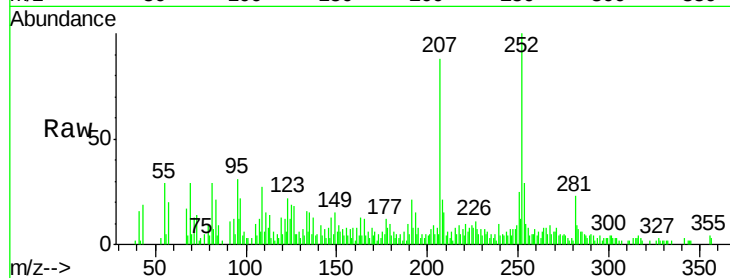
Tgt Ion:252 Resp: 27076

Ion Ratio Lower Upper

252 100

253 29.3 17.2 25.8#

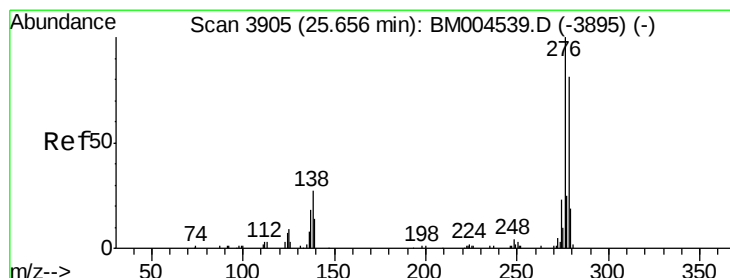
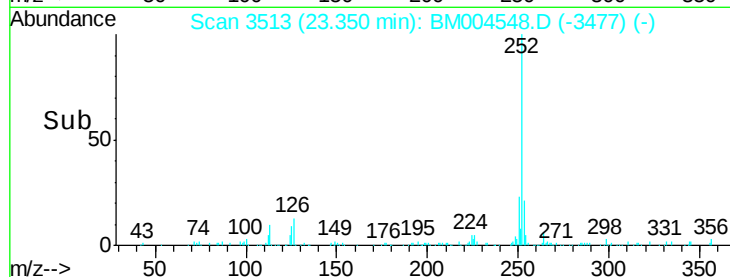
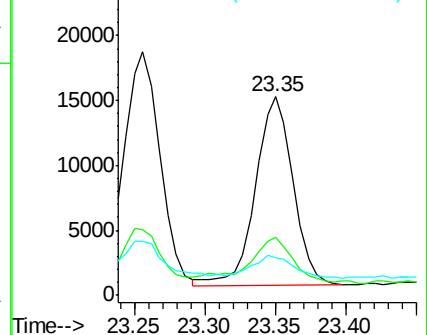
125 18.7 9.0 13.6#



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: 1.99 ng/ul

RT: 25.68 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BM004548.D

Acq: 04 Mar 2016 01:01

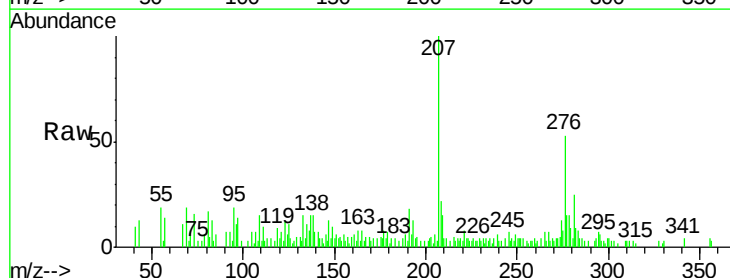
Tgt Ion:276 Resp: 17900

Ion Ratio Lower Upper

276 100

138 29.0 22.3 33.5

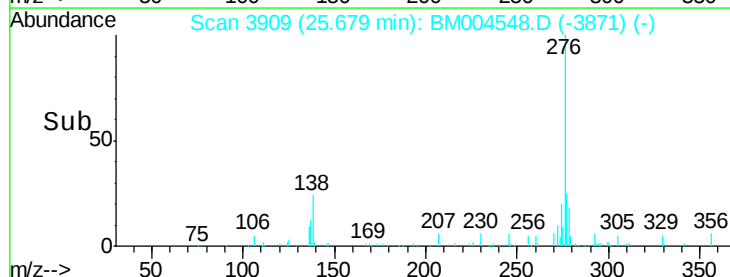
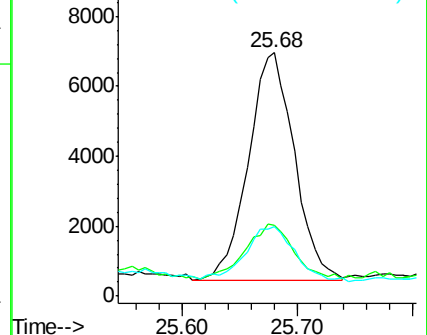
277 28.7 20.2 30.2

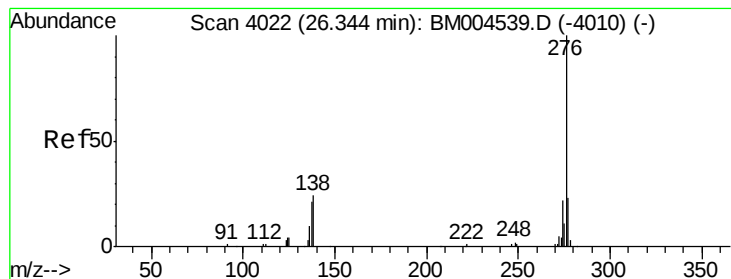


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 4.39 ng/ul

RT: 26.36 min Scan# 4025

Delta R.T. 0.02 min

Lab File: BM004548.D

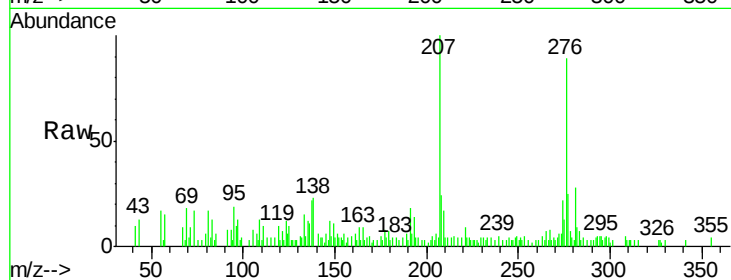
Acq: 04 Mar 2016 01:01

Instrument :

BNA_M

ClientSampleId :

P009-SS002-01



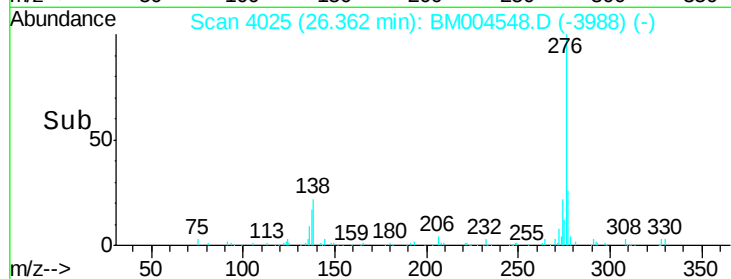
Tgt Ion: 276 Resp: 33193

Ion Ratio Lower Upper

276 100

138 25.6 18.9 28.3

277 28.4 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

