

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
 Data File : BM004553.D
 Acq On : 04 Mar 2016 04:01
 Operator : SJ/UM
 Sample : H1616-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P010-SS003-01

Quant Time: Mar 04 06:55:33 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	35805	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	176189	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	104852	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	220943	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	151602	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	140530	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	2167	3.26	ng/uL	0.00
5) Phenol-d5	6.85	99	60841	21.09	ng/ul	0.06
7) Bis-(2-Chloroethyl)ether-d	6.93	67	29698	20.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	56175	21.84	ng/ul	0.03
13) 4-Methylphenol-d8	8.37	113	33231	13.07	ng/ul	0.05
19) Nitrobenzene-d5	8.76	128	29332	22.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	35174	23.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	58809	21.57	ng/ul	0.06
29) 4-Chloroaniline-d4	10.53	131	48676	14.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	202251	23.19	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	242258	22.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	10531	8.19	ng/ul	0.15
58) Fluorene-d10	15.26	176	174612	23.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	25546	17.81	ng/ul	0.00
71) Anthracene-d10	17.12	188	251213	23.24	ng/ul	0.00
79) Pyrene-d10	19.42	212	228078	27.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	172422	23.06	ng/ul	0.01

Target Compounds

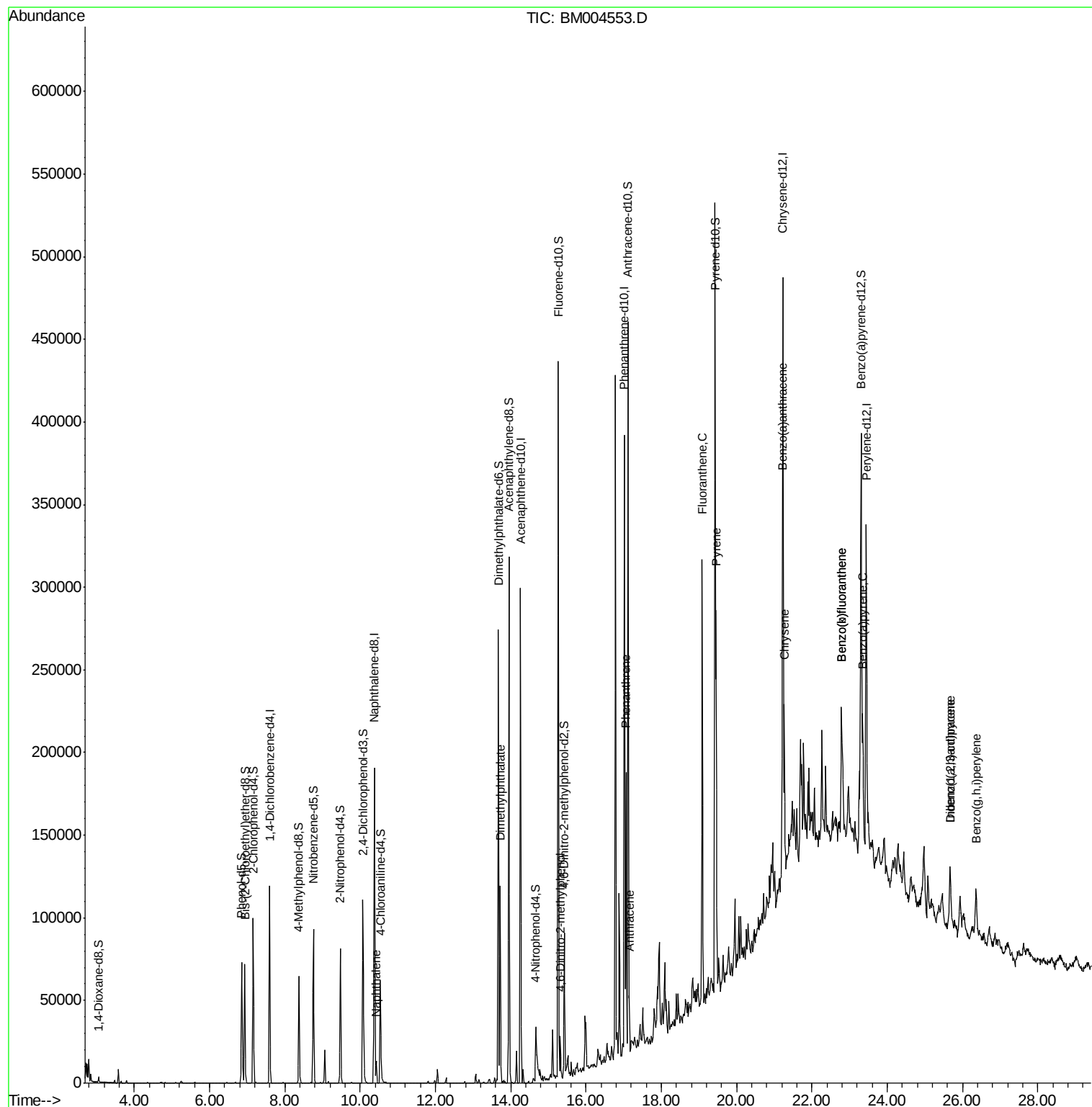
					Qvalue
28) Naphthalene	10.43	128	13539	1.40 ng/ul	98
45) Dimethylphthalate	13.72	163	85023	9.27 ng/ul	100
64) 4,6-Dinitro-2-methylphenol	15.32	198	4456	2.87 ng/ul#	55
70) Phenanthrene	17.06	178	100762	7.61 ng/ul	99
72) Anthracene	17.15	178	20766	1.54 ng/ul	99
77) Fluoranthene	19.09	202	160899	11.28 ng/ul	99
80) Pyrene	19.45	202	137157	12.47 ng/ul	99
83) Benzo(a)anthracene	21.21	228	57231	5.85 ng/ul	97
85) Chrysene	21.26	228	53808	5.74 ng/ul	97
88) Benzo(b)fluoranthene	22.78	252	66810	7.14 ng/ul#	94
89) Benzo(k)fluoranthene	22.78	252	66810	7.20 ng/ul#	93
91) Benzo(a)pyrene	23.34	252	48017	5.43 ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	25.67	276	34387	3.90 ng/ul	96
93) Dibenzo(a,h)anthracene	25.67	278	10672	1.46 ng/ul#	51
94) Benzo(g,h,i)perylene	26.36	276	31803	4.29 ng/ul	95

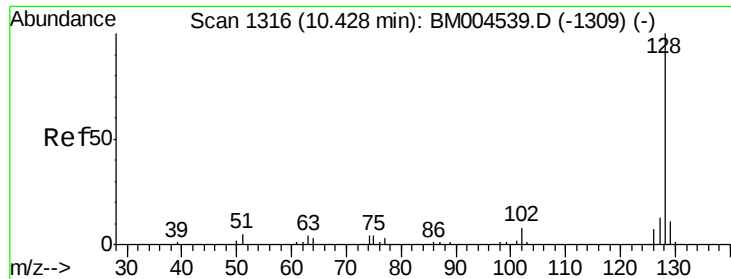
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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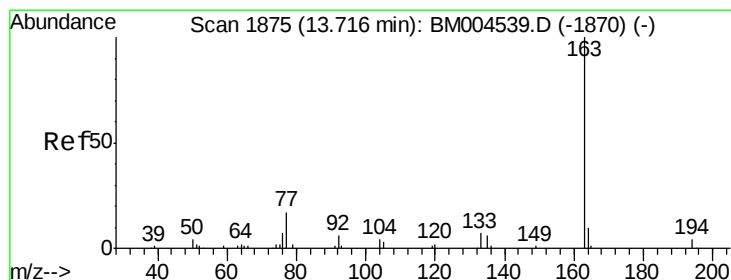
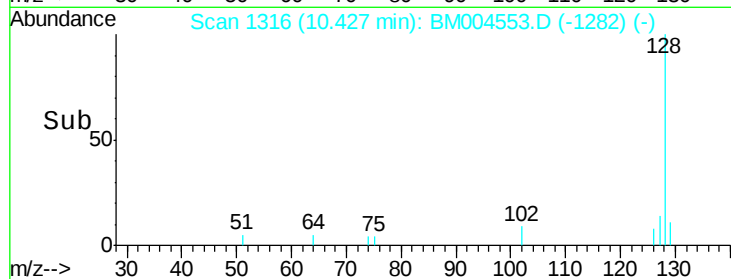
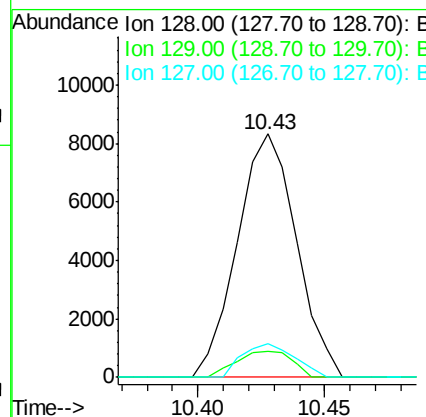
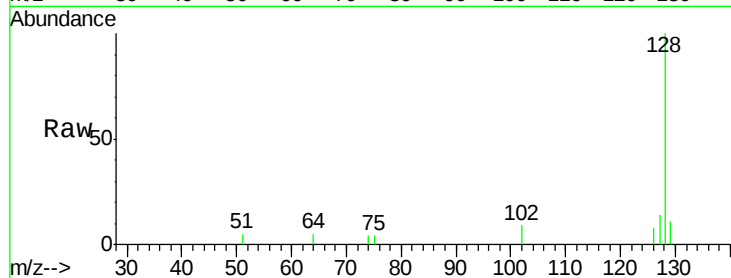




#28
Naphthalene
Concen: 1.40 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BM004553.D
Acq: 04 Mar 2016 04:01

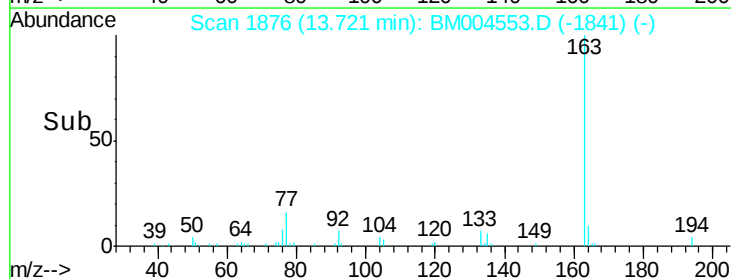
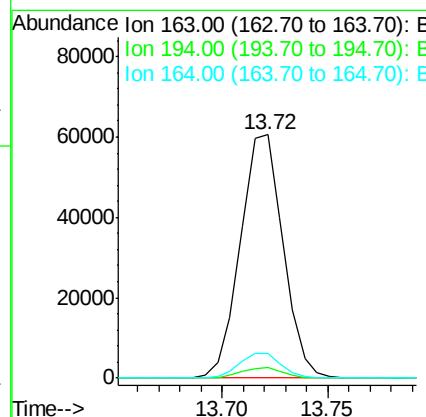
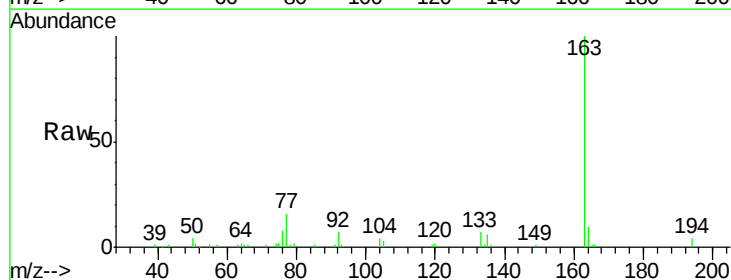
Instrument :
BNA_M
ClientSampleId :
P010-SS003-01

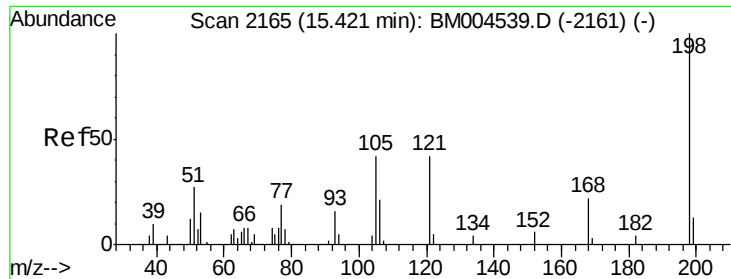
Tgt Ion:128 Resp: 13539
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.9 10.5 15.7



#45
Dimethylphthalate
Concen: 9.27 ng/ul
RT: 13.72 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BM004553.D
Acq: 04 Mar 2016 04:01

Tgt Ion:163 Resp: 85023
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 9.9 7.8 11.8

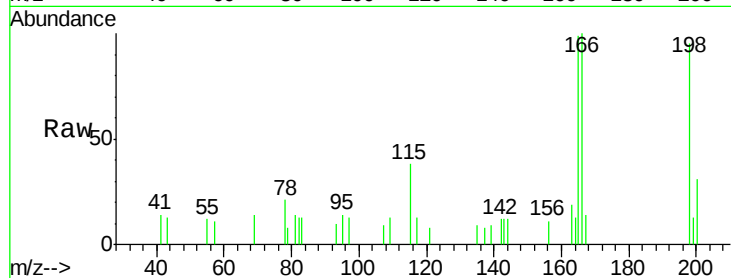




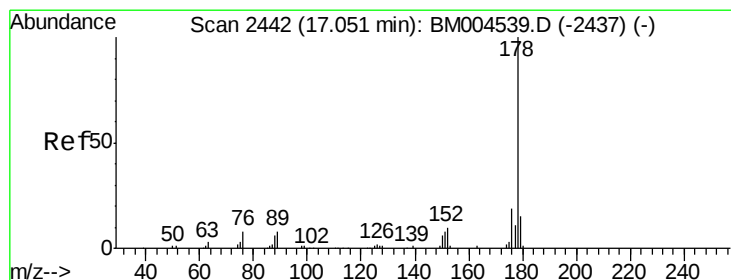
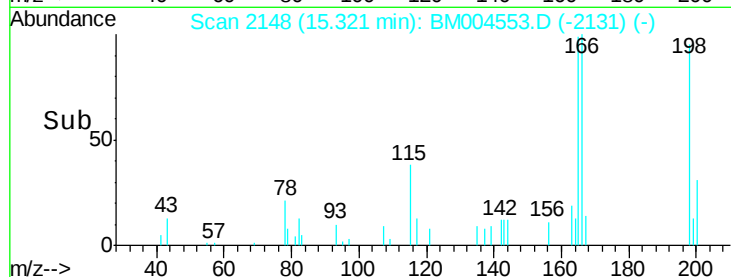
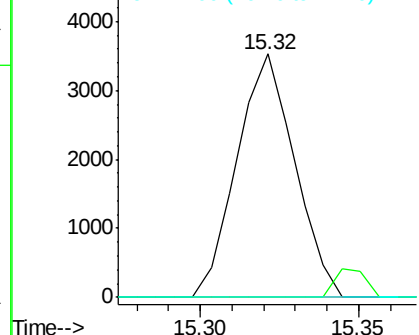
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.87 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. -0.10 min
 Lab File: BM004553.D
 Acq: 04 Mar 2016 04:01

Instrument :
 BNA_M
 ClientSampleId :
 P010-SS003-01

Tgt Ion:198 Resp: 4456
 Ion Ratio Lower Upper
 198 100
 182 0.0 3.1 4.7#
 77 0.0 20.1 30.1#

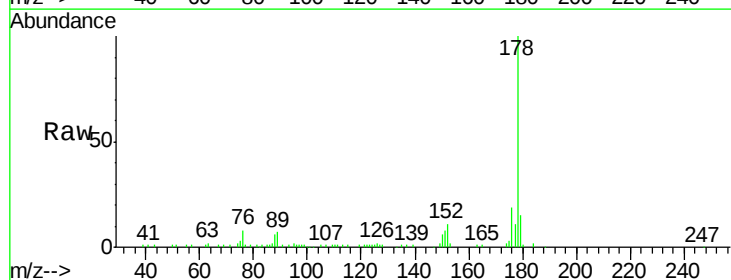


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BM0

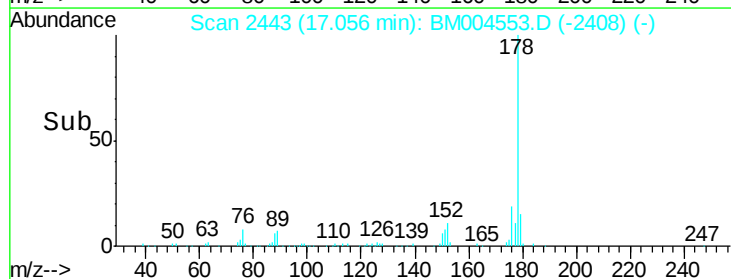
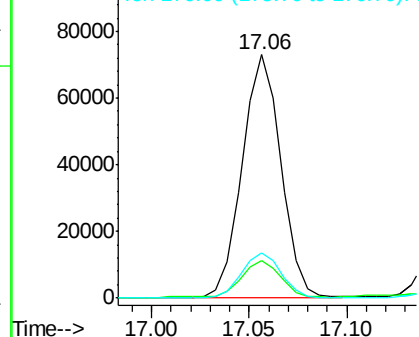


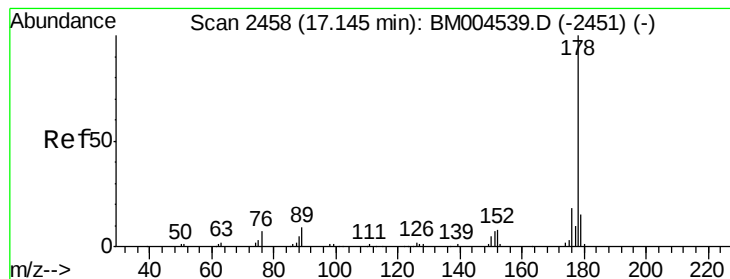
#70
 Phenanthrene
 Concen: 7.61 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BM004553.D
 Acq: 04 Mar 2016 04:01

Tgt Ion:178 Resp: 100762
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.2 18.4
 176 18.7 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: 1.54 ng/ul

RT: 17.15 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

Instrument :

BNA_M

ClientSampleId :

P010-SS003-01

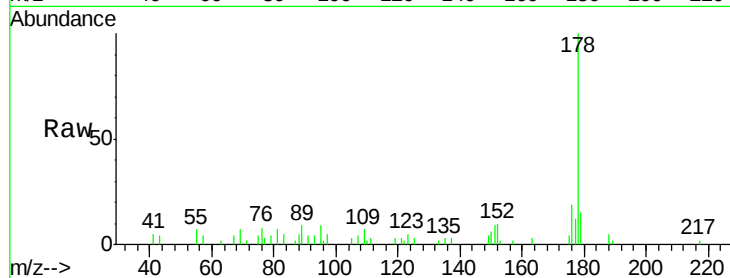
Tgt Ion:178 Resp: 20766

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

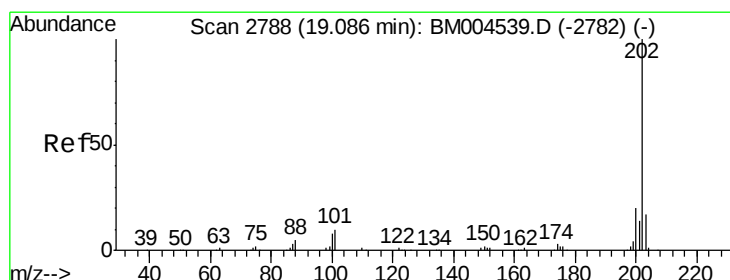
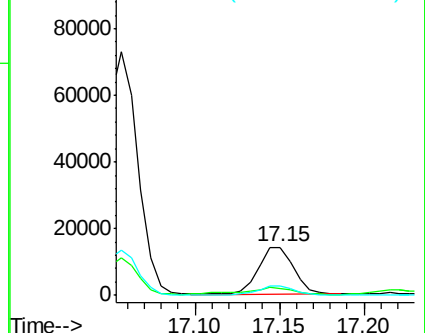
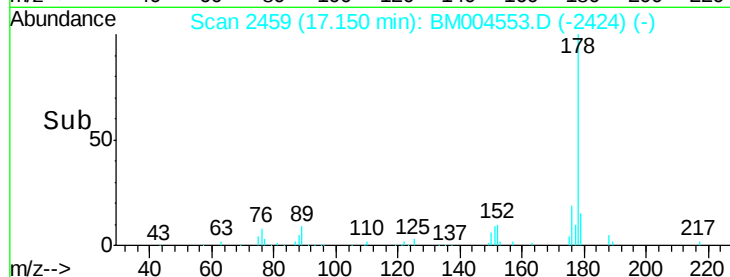
176 19.2 14.8 22.2



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: 11.28 ng/ul

RT: 19.09 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

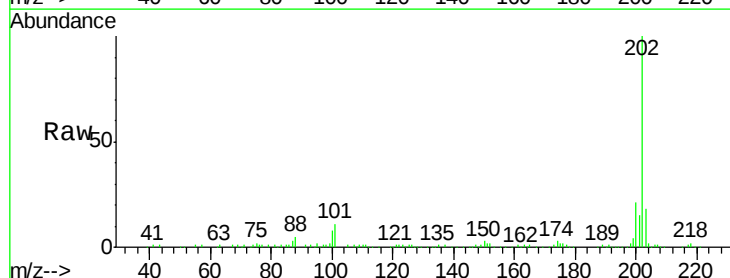
Tgt Ion:202 Resp: 160899

Ion Ratio Lower Upper

202 100

101 10.6 8.8 13.2

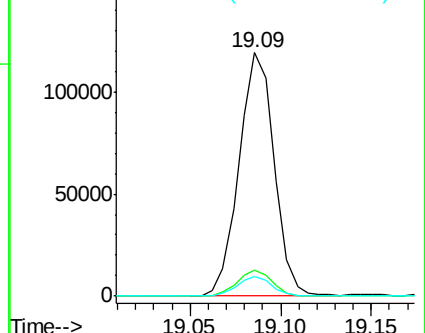
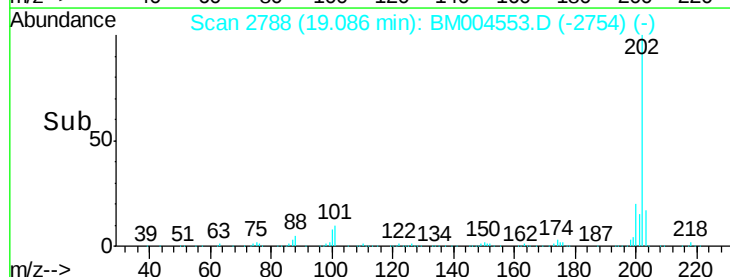
100 8.0 6.6 9.8

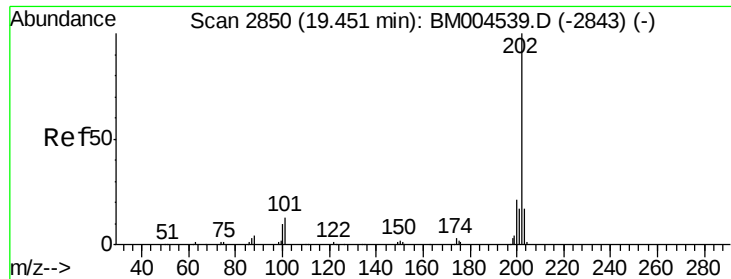


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pyrene

Concen: 12.47 ng/ul

RT: 19.45 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

Instrument :

BNA_M

ClientSampleId :

P010-SS003-01

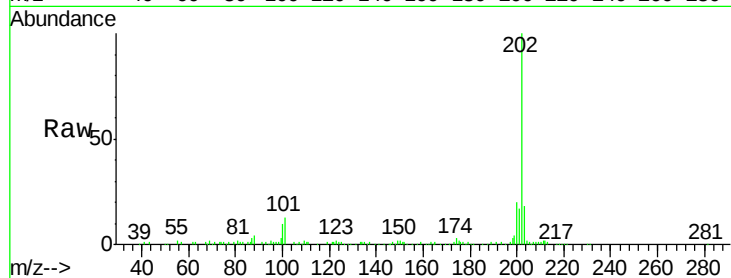
Tgt Ion:202 Resp: 137157

Ion Ratio Lower Upper

202 100

101 12.7 10.2 15.2

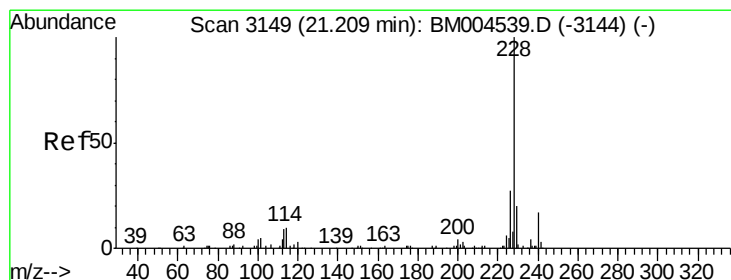
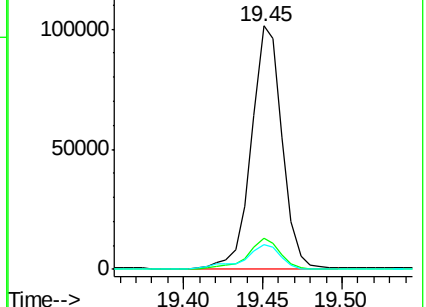
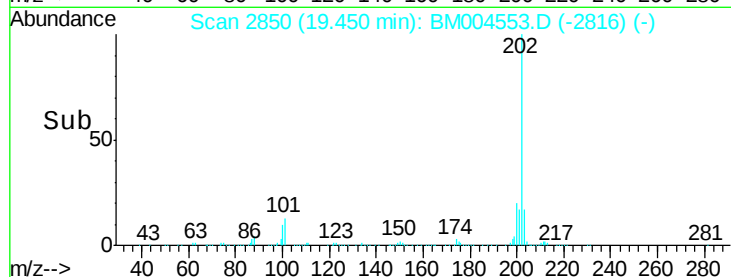
100 10.2 8.5 12.7



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: 5.85 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

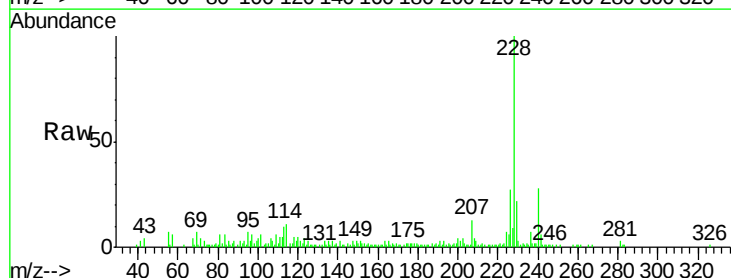
Tgt Ion:228 Resp: 57231

Ion Ratio Lower Upper

228 100

229 22.2 15.7 23.5

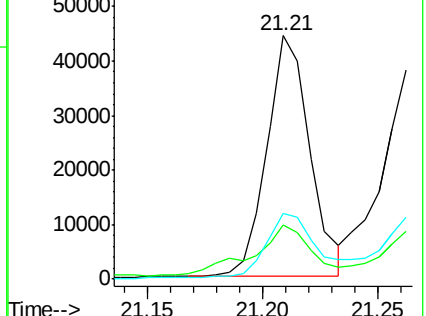
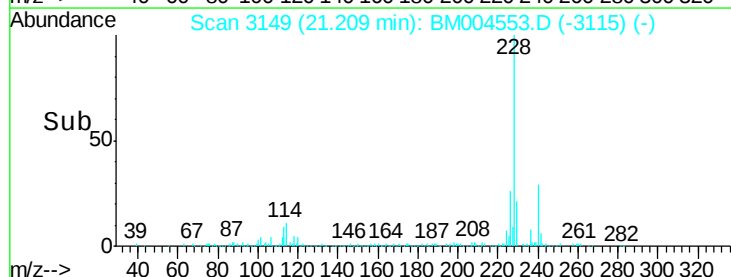
226 26.8 21.8 32.6

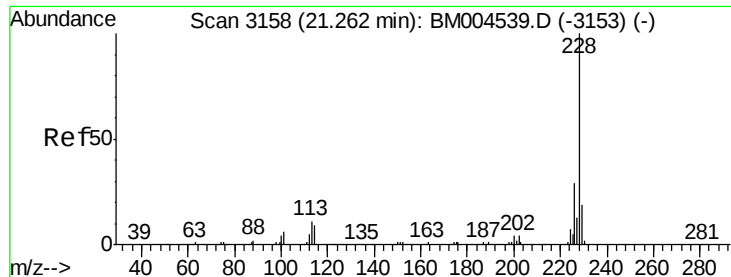


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 5.74 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

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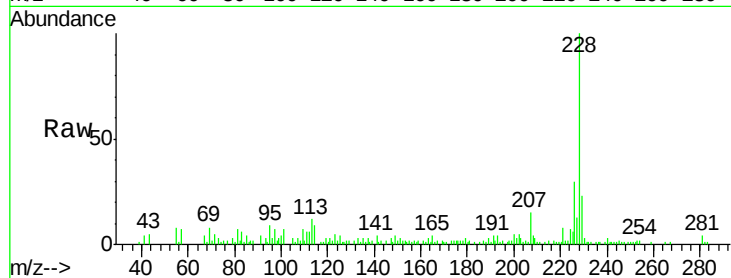
Tgt Ion:228 Resp: 53808

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

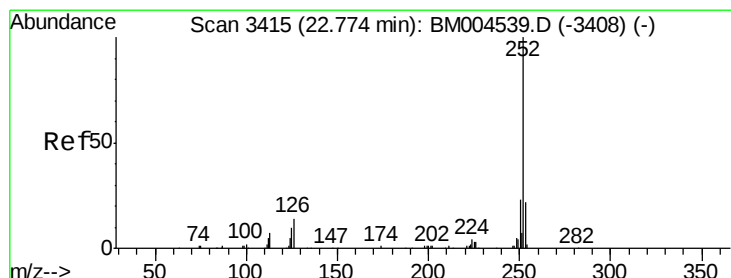
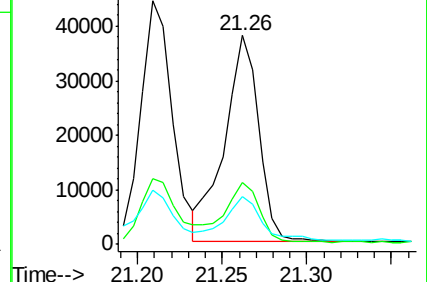
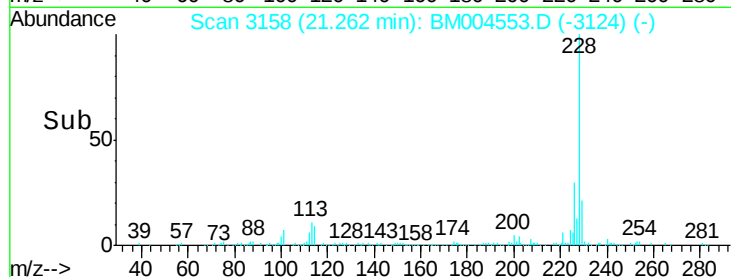
229 22.8 15.6 23.4



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



#88

Benzo(b)fluoranthene

Concen: 7.14 ng/ul

RT: 22.78 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

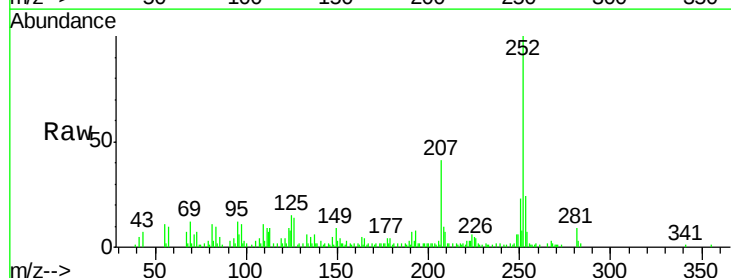
Tgt Ion:252 Resp: 66810

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

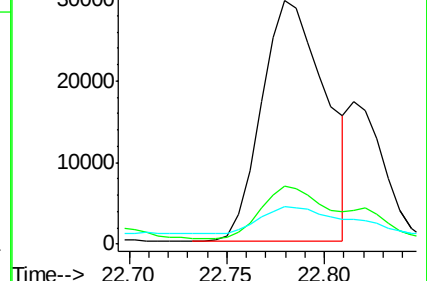
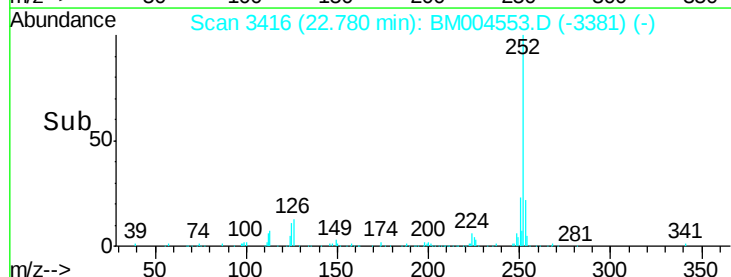
125 15.3 8.5 12.7#

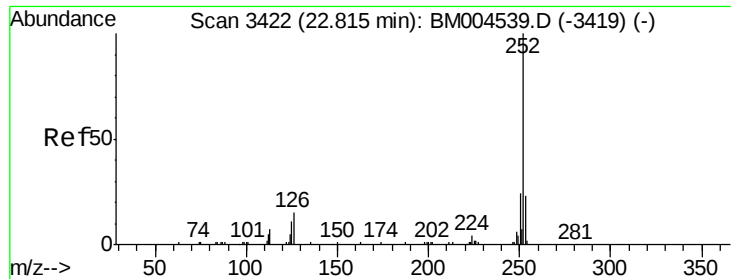


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.20 ng/ul

RT: 22.78 min Scan# 3416

Delta R.T. -0.04 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

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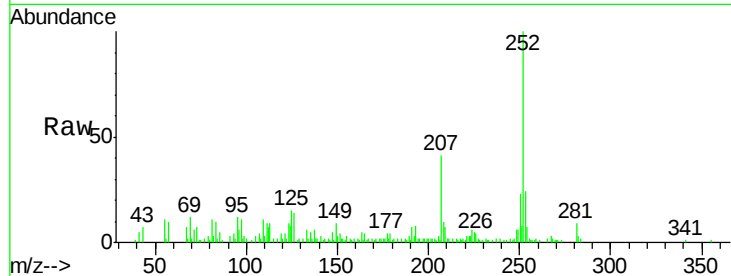
Tgt Ion:252 Resp: 66810

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

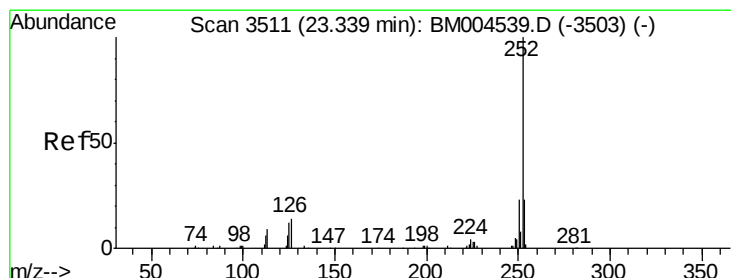
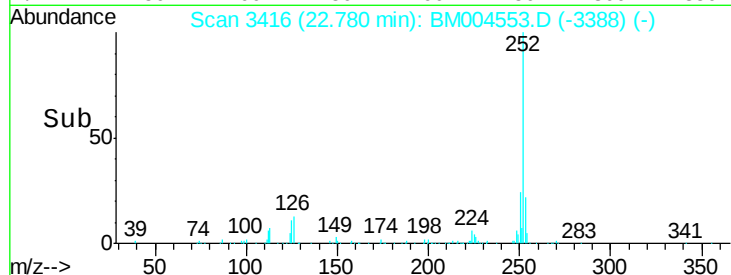
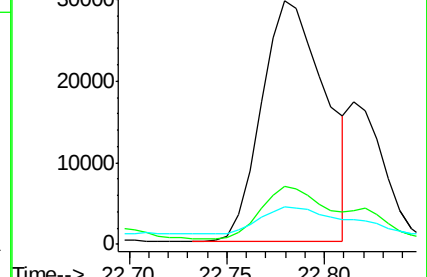
125 15.3 8.2 12.2#



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: 5.43 ng/ul

RT: 23.34 min Scan# 3512

Delta R.T. 0.01 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

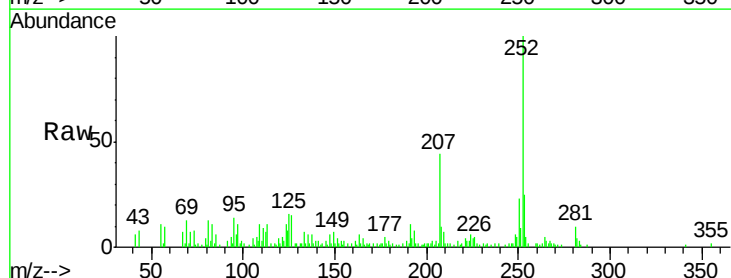
Tgt Ion:252 Resp: 48017

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

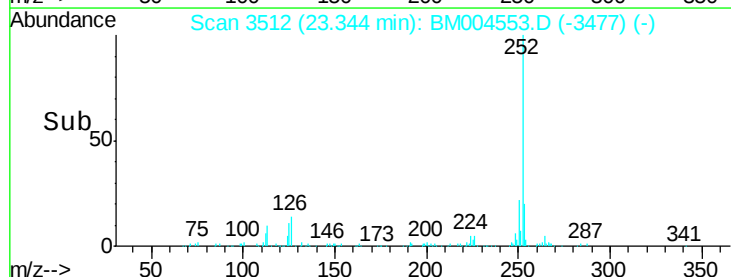
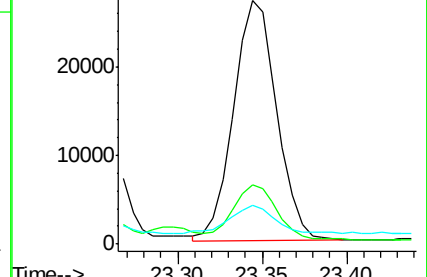
125 15.9 9.0 13.6#

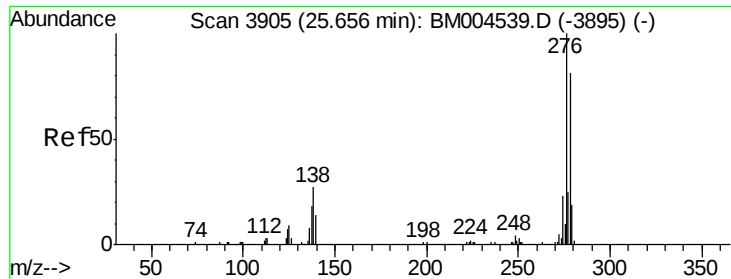


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.90 ng/ul

RT: 25.67 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

Instrument :

BNA_M

ClientSampleId :

P010-SS003-01

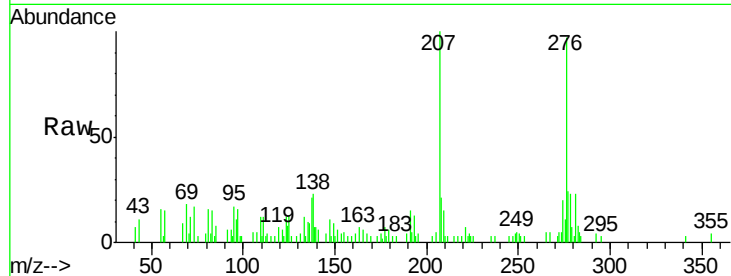
Tgt Ion:276 Resp: 34387

Ion Ratio Lower Upper

276 100

138 24.1 22.3 33.5

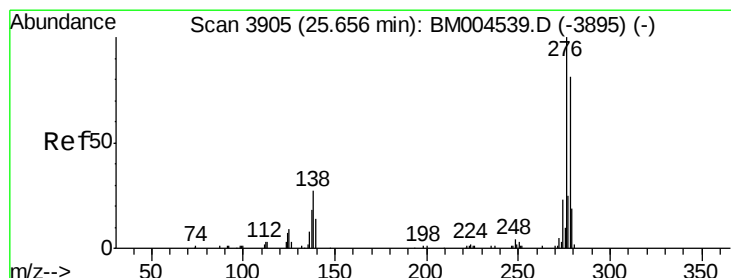
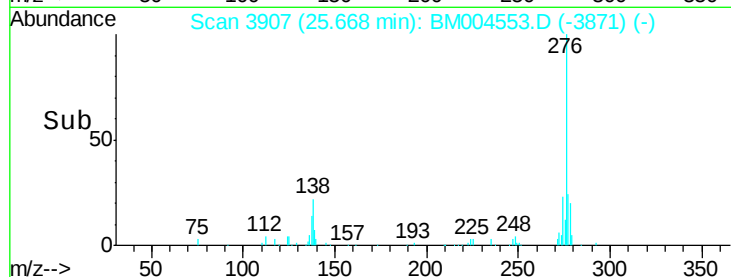
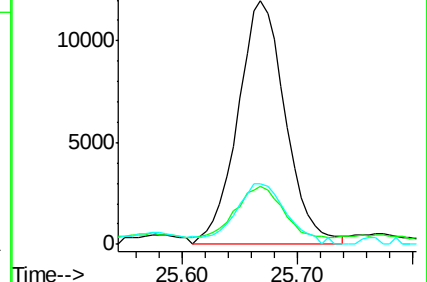
277 24.7 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 1.46 ng/ul

RT: 25.67 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

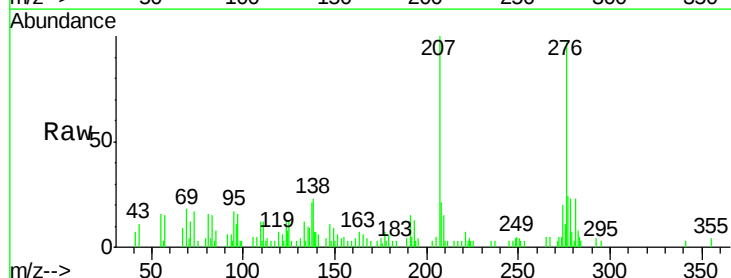
Tgt Ion:278 Resp: 10672

Ion Ratio Lower Upper

278 100

139 57.9 13.9 20.9#

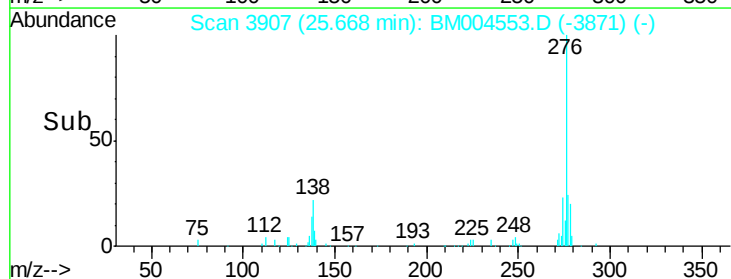
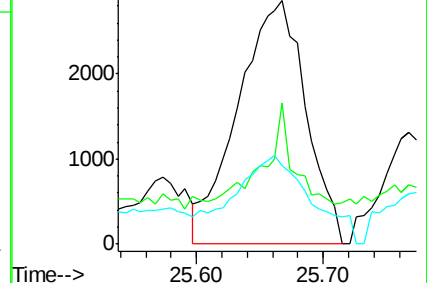
279 32.3 19.0 28.4#

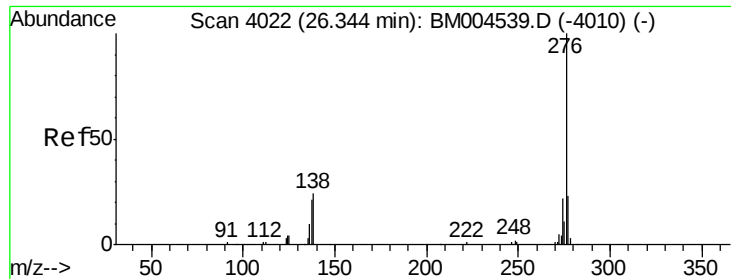


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.29 ng/ul

RT: 26.36 min Scan# 4024

Delta R.T. 0.01 min

Lab File: BM004553.D

Acq: 04 Mar 2016 04:01

Instrument :

BNA_M

ClientSampleId :

P010-SS003-01

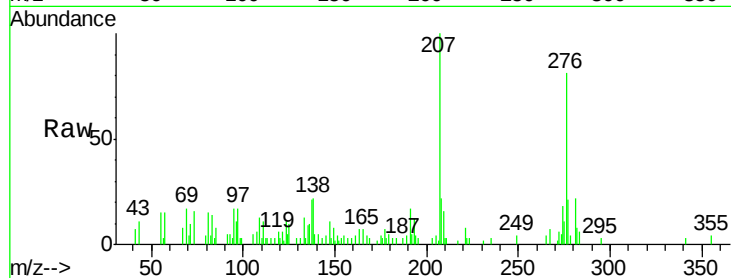
Tgt Ion:276 Resp: 31803

Ion Ratio Lower Upper

276 100

138 27.0 18.9 28.3

277 25.5 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

