

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
 Data File : BM004549.D
 Acq On : 04 Mar 2016 01:37
 Operator : SJ/UM
 Sample : H1616-10
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P009-SS003-01

Quant Time: Mar 04 04:34:29 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	38700	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	188169	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	111008	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	219289	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	153302	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	150542	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	2123	2.95	ng/uL	0.00
5) Phenol-d5	6.85	99	60032	19.25	ng/ul	0.06
7) Bis-(2-Chloroethyl)ether-d	6.93	67	28998	18.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	55622	20.01	ng/ul	0.02
13) 4-Methylphenol-d8	8.36	113	51515	18.74	ng/ul	0.04
19) Nitrobenzene-d5	8.76	128	29072	20.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	33898	21.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	59410	20.40	ng/ul	0.05
29) 4-Chloroaniline-d4	10.53	131	50664	14.14	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	191866	20.78	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	236293	21.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	9083	6.67	ng/ul	0.15
58) Fluorene-d10	15.26	176	165733	20.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	23050	16.19	ng/ul	0.00
71) Anthracene-d10	17.12	188	226651	21.12	ng/ul	0.00
79) Pyrene-d10	19.42	212	197709	23.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	167128	20.87	ng/ul	0.01

Target Compounds

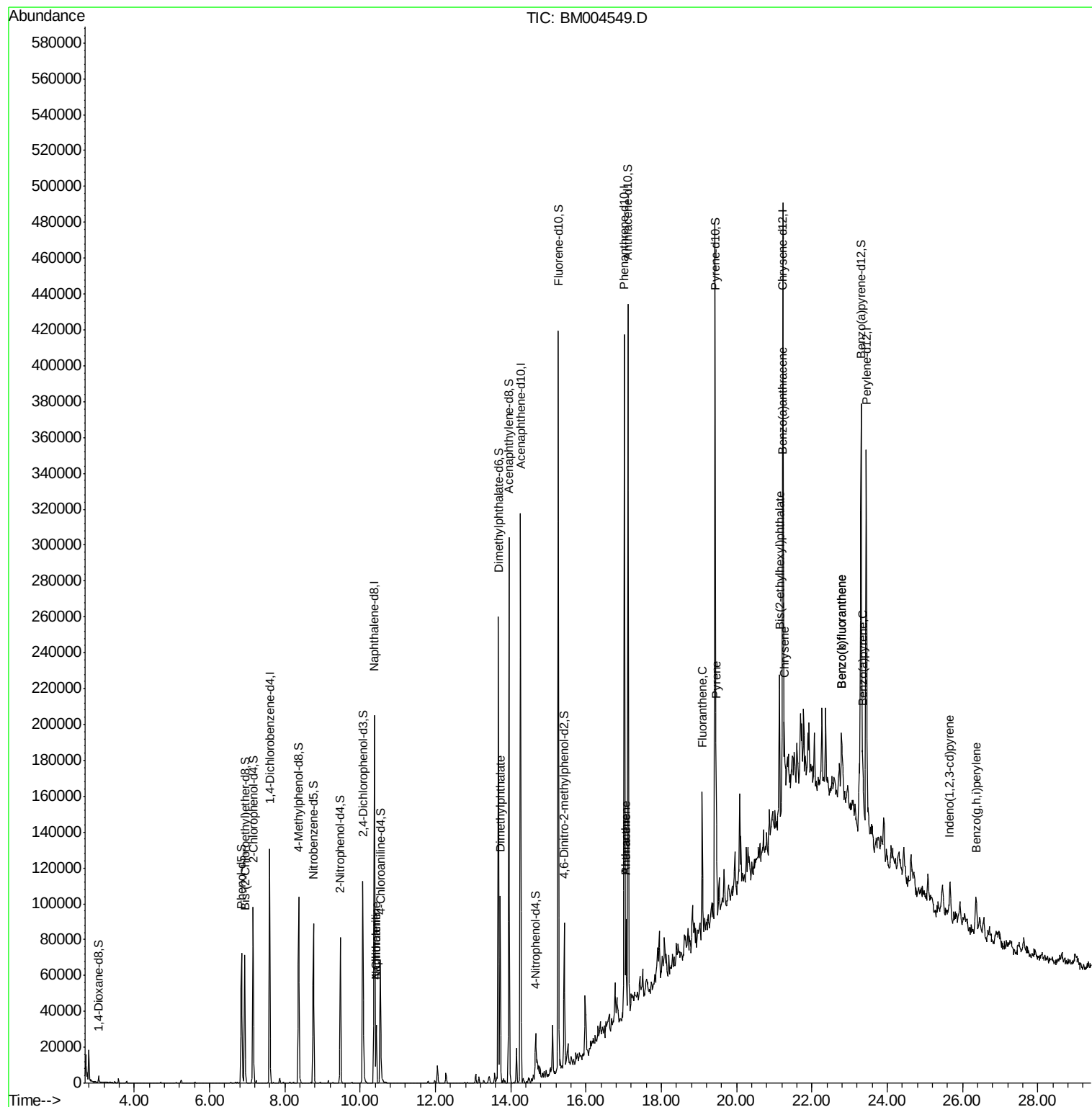
						Qvalue
28) Naphthalene	10.43	128	30625	2.96	ng/ul	99
30) 4-Chloroaniline	10.43	127	3865	1.01	ng/ul#	2
45) Dimethylphthalate	13.72	163	73773	7.60	ng/ul	99
70) Phenanthrene	17.06	178	31155	2.37	ng/ul	97
72) Anthracene	17.06	178	31155	2.33	ng/ul	97
77) Fluoranthene	19.09	202	47408	3.35	ng/ul	99
80) Pyrene	19.45	202	50832	4.57	ng/ul	99
83) Benzo(a)anthracene	21.21	228	22157	2.24	ng/ul#	90
84) Bis(2-ethylhexyl)phthalate	21.13	149	31911	5.15	ng/ul#	96
85) Chrysene	21.26	228	23823	2.51	ng/ul#	90
88) Benzo(b)fluoranthene	22.78	252	28962	2.89	ng/ul#	90
89) Benzo(k)fluoranthene	22.78	252	28962	2.91	ng/ul#	89
91) Benzo(a)pyrene	23.34	252	24792	2.62	ng/ul#	88
92) Indeno(1,2,3-cd)pyrene	25.67	276	18454	1.95	ng/ul	94
94) Benzo(g,h,i)perylene	26.36	276	21871	2.75	ng/ul	95

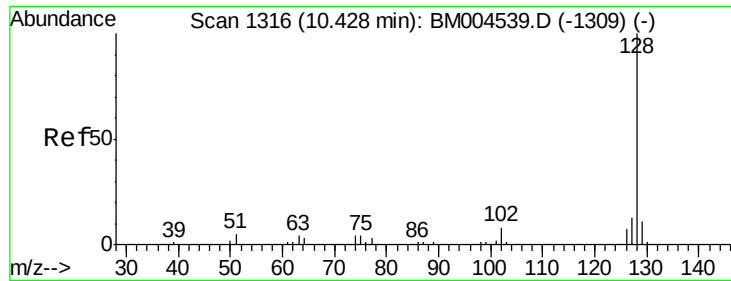
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 04 04:25:59 2016
Response via : Initial Calibration

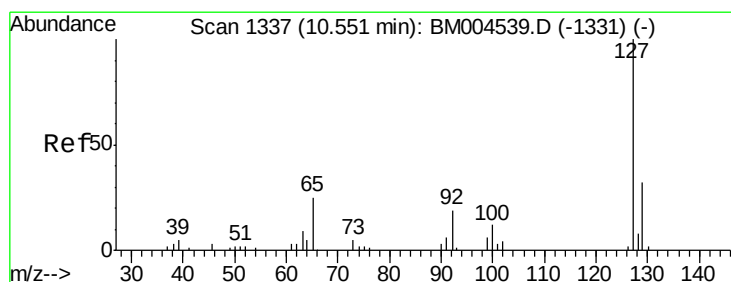
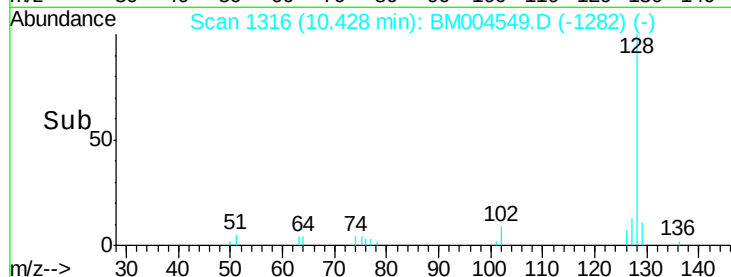
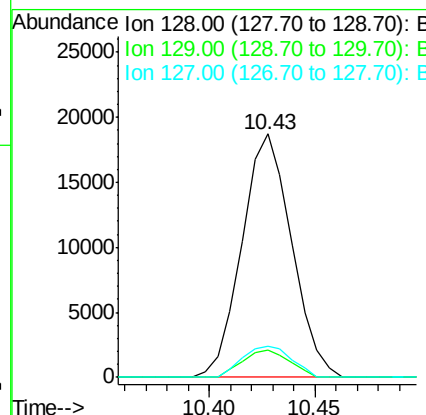
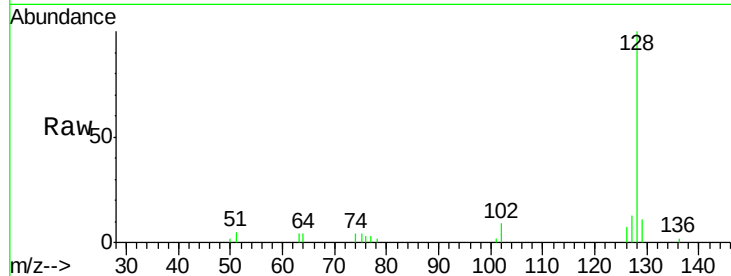




#28
Naphthalene
Concen: 2.96 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BM004549.D
Acq: 04 Mar 2016 01:37

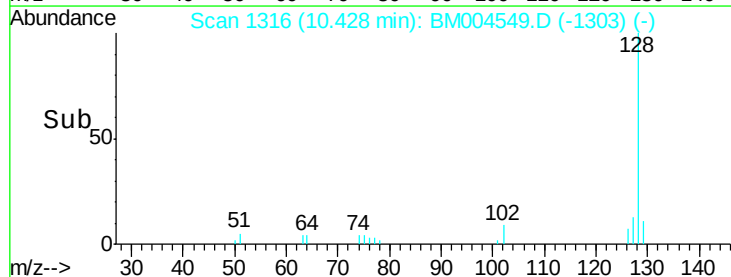
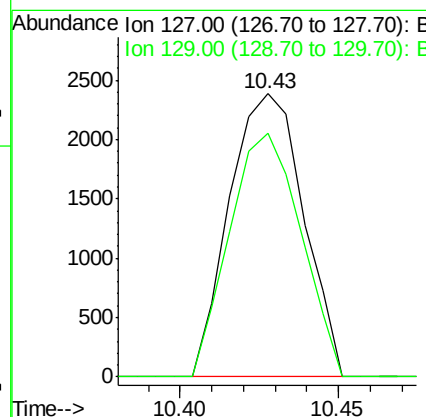
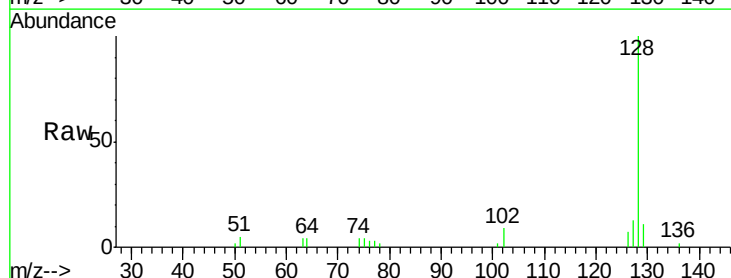
Instrument :
BNA_M
ClientSampleId :
P009-SS003-01

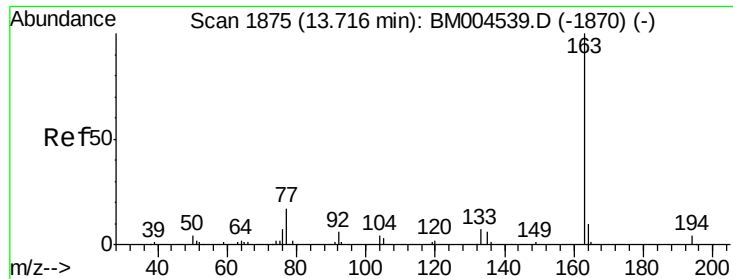
Tgt Ion:128 Resp: 30625
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.7 10.5 15.7



#30
4-Chloroaniline
Concen: 1.01 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. -0.12 min
Lab File: BM004549.D
Acq: 04 Mar 2016 01:37

Tgt Ion:127 Resp: 3865
Ion Ratio Lower Upper
127 100
129 86.3 25.4 38.2#





#45

Dimethylphthalate

Concen: 7.60 ng/ul

RT: 13.72 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

Instrument :

BNA_M

ClientSampleId :

P009-SS003-01

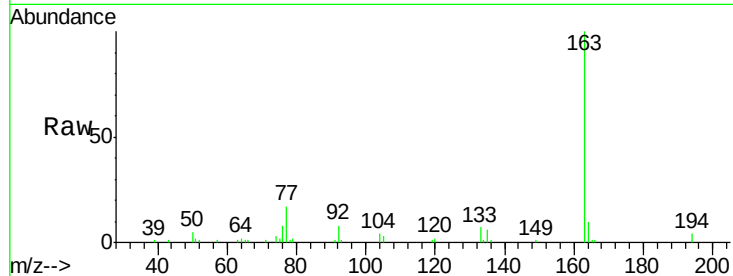
Tgt Ion:163 Resp: 73773

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

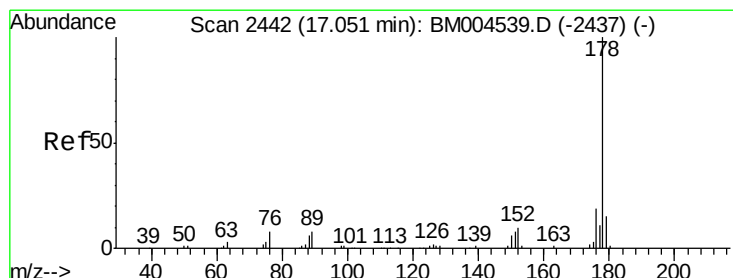
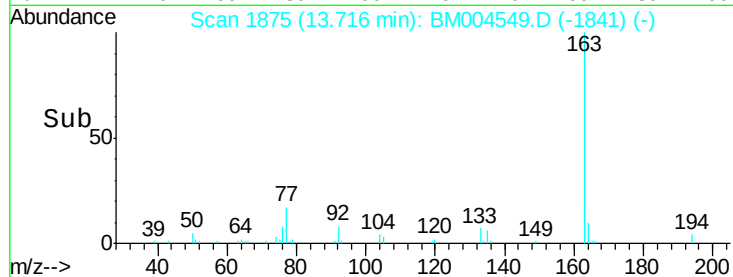
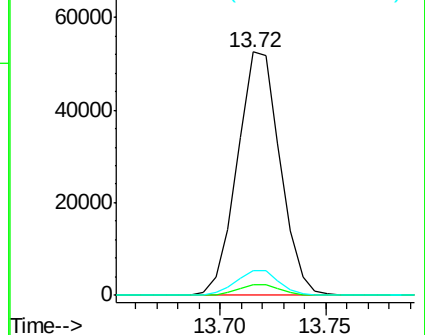
164 10.1 7.8 11.8



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



#70

Phenanthrene

Concen: 2.37 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

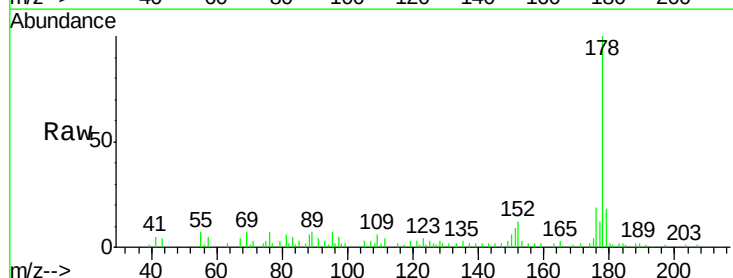
Tgt Ion:178 Resp: 31155

Ion Ratio Lower Upper

178 100

179 17.6 12.2 18.4

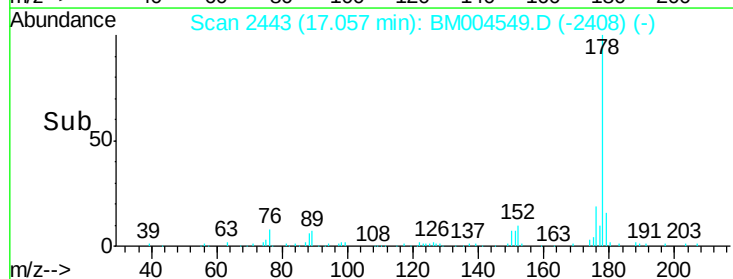
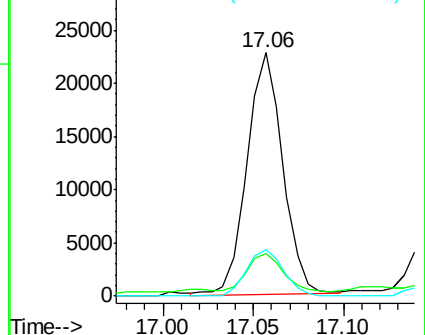
176 18.9 15.6 23.4

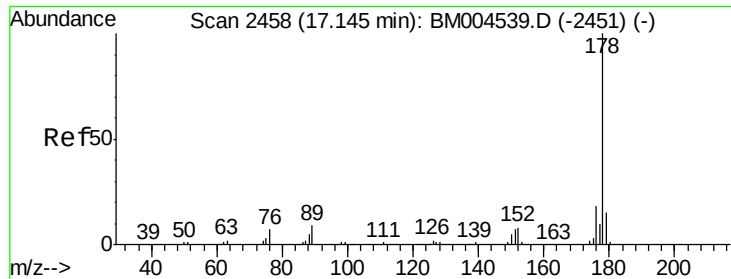


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.33 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. -0.09 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

Instrument :

BNA_M

ClientSampleId :

P009-SS003-01

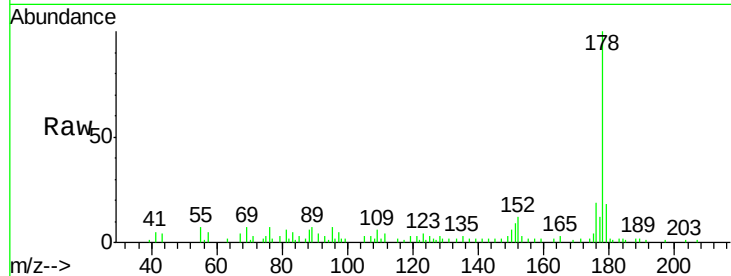
Tgt Ion:178 Resp: 31155

Ion Ratio Lower Upper

178 100

179 17.6 12.1 18.1

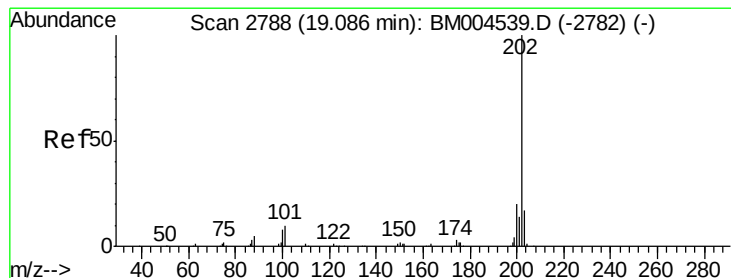
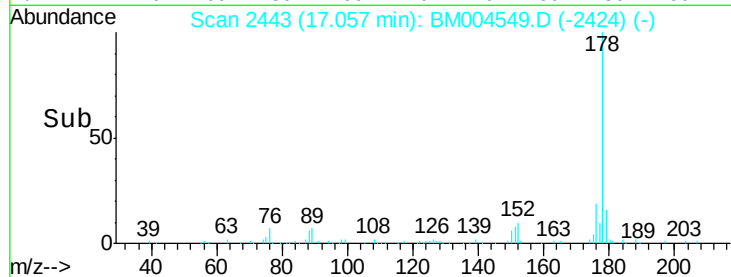
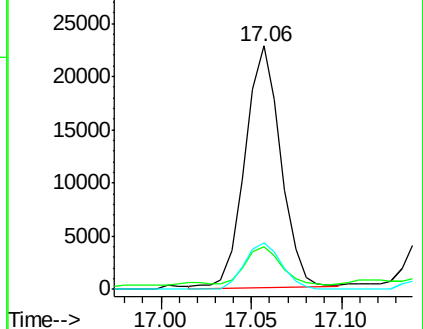
176 18.9 14.8 22.2



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: 3.35 ng/ul

RT: 19.09 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

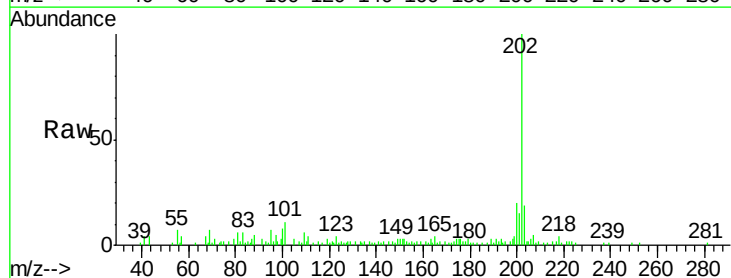
Tgt Ion:202 Resp: 47408

Ion Ratio Lower Upper

202 100

101 10.7 8.8 13.2

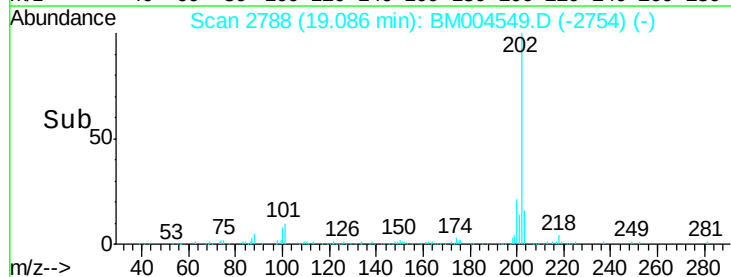
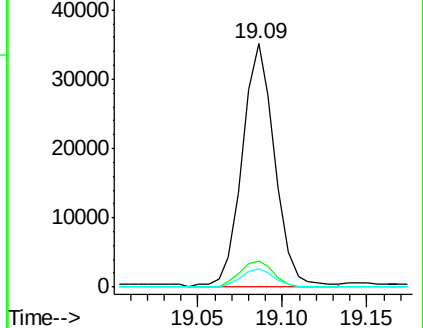
100 7.7 6.6 9.8

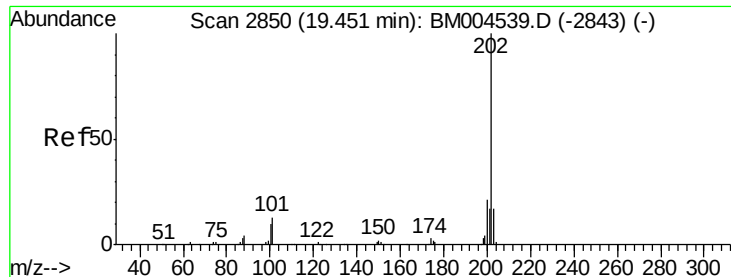


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

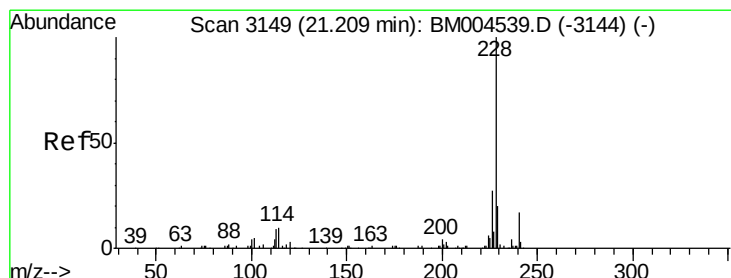
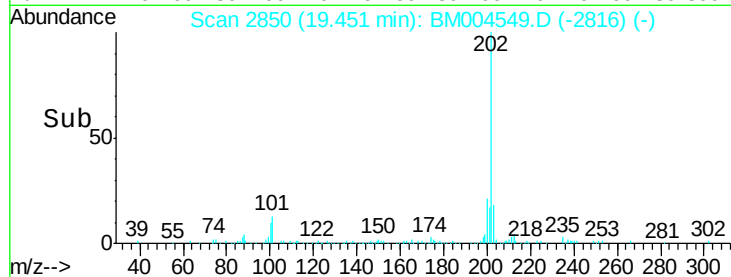
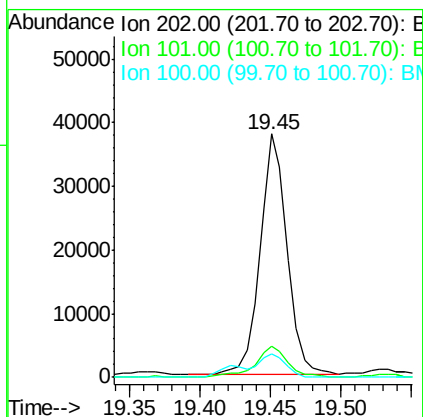
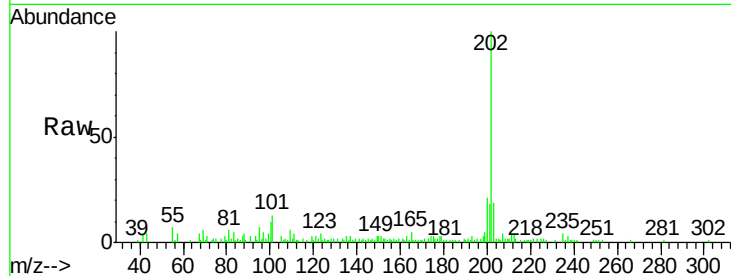




#80
 Pyrene
 Concen: 4.57 ng/ul
 RT: 19.45 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: BM004549.D
 Acq: 04 Mar 2016 01:37

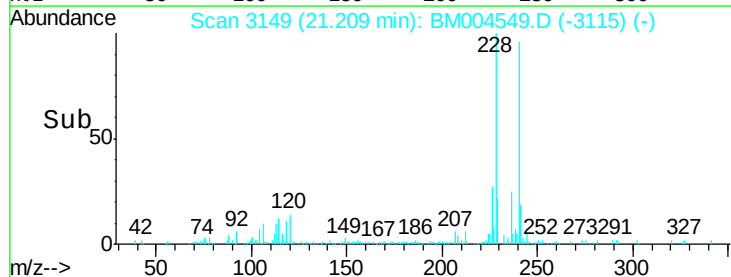
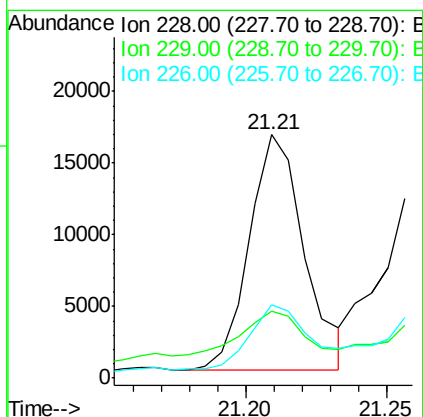
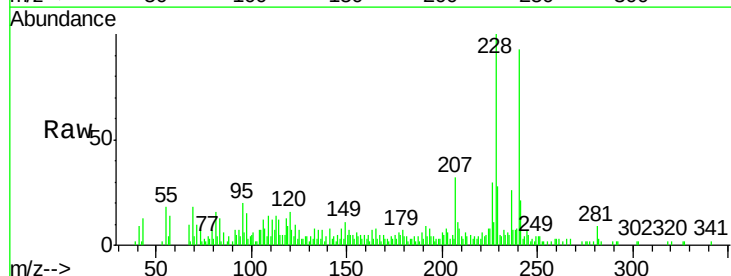
Instrument :
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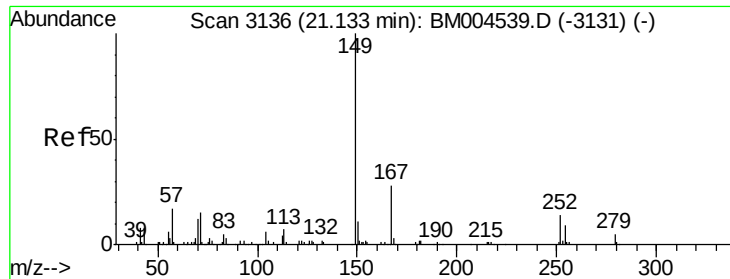
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.2	15.2
100	9.8	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 2.24 ng/ul
 RT: 21.21 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: BM004549.D
 Acq: 04 Mar 2016 01:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	27.6	15.7	23.5#
226	29.9	21.8	32.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.15 ng/ul

RT: 21.13 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

Instrument :

BNA_M

ClientSampleId :

P009-SS003-01

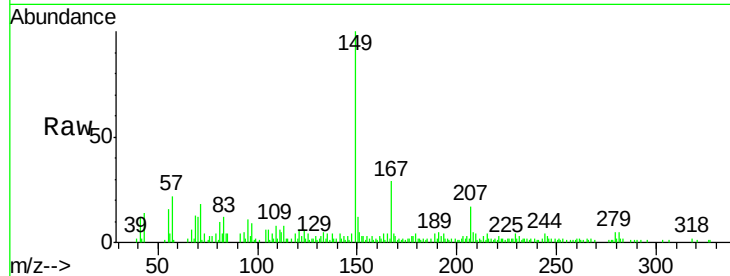
Tgt Ion:149 Resp: 31911

Ion Ratio Lower Upper

149 100

167 29.2 21.6 32.4

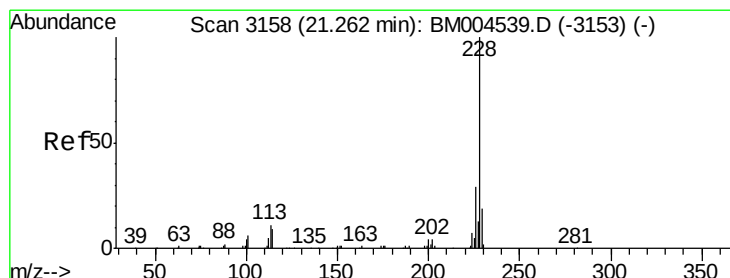
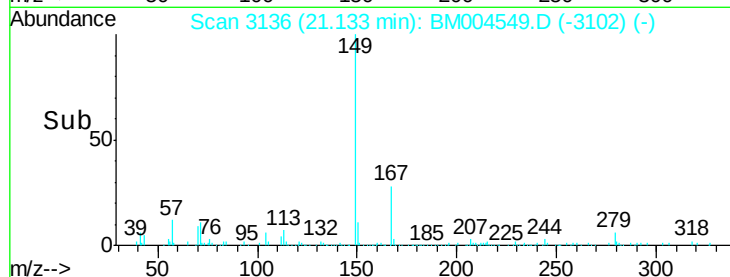
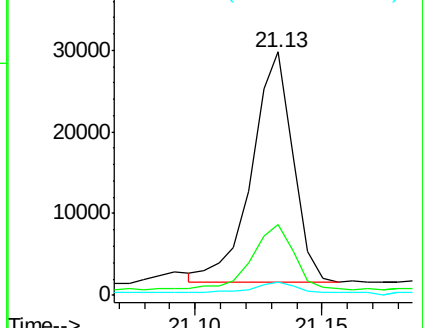
279 5.3 3.0 4.4#



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



#85

Chrysene

Concen: 2.51 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

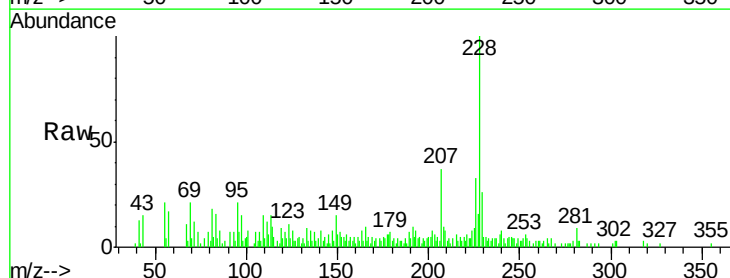
Tgt Ion:228 Resp: 23823

Ion Ratio Lower Upper

228 100

226 33.4 24.0 36.0

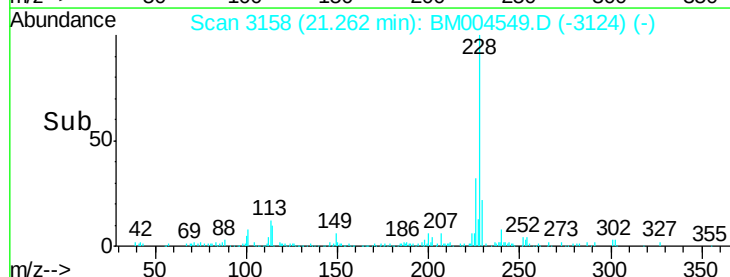
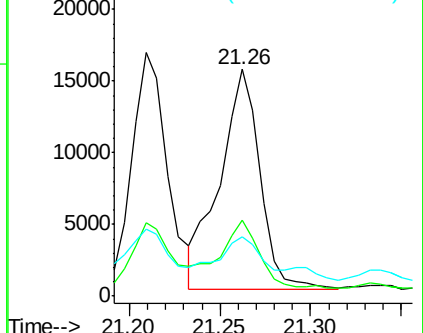
229 26.1 15.6 23.4#

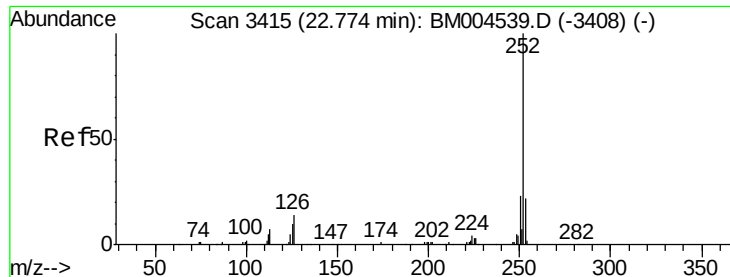


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 2.89 ng/ul

RT: 22.78 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BM004549.D

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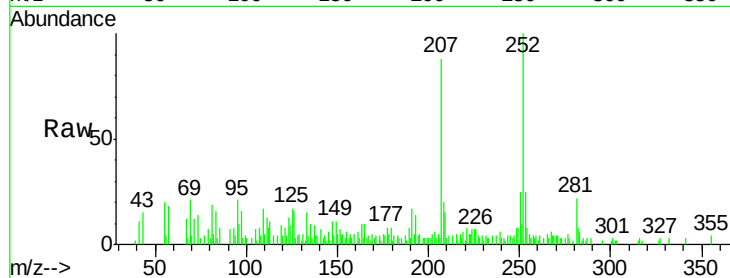
Tgt Ion:252 Resp: 28962

Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

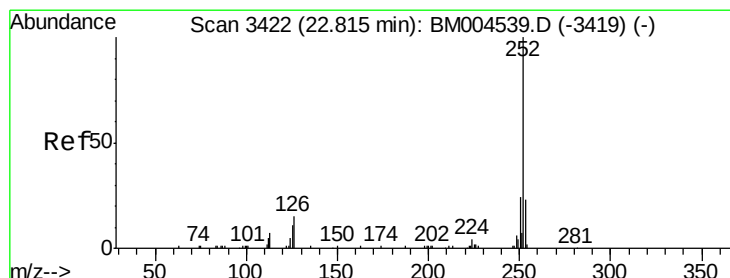
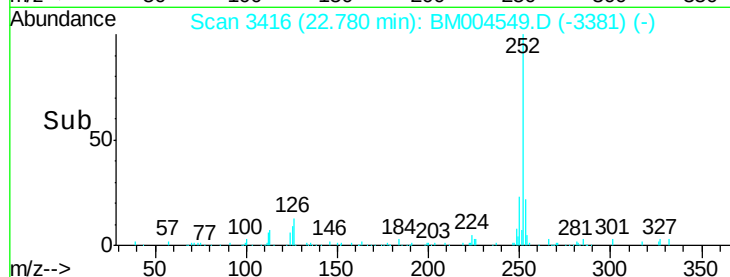
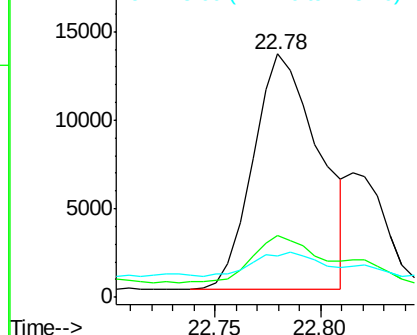
125 17.0 8.5 12.7#



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: 2.91 ng/ul

RT: 22.78 min Scan# 3416

Delta R.T. -0.04 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

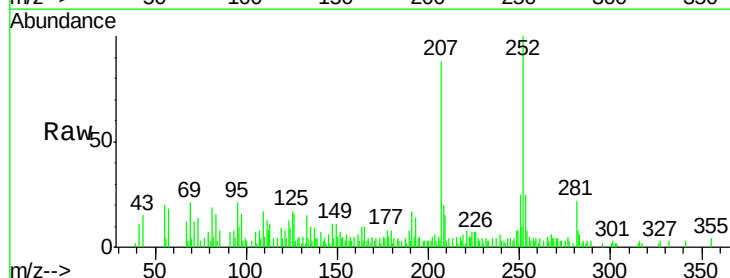
Tgt Ion:252 Resp: 28962

Ion Ratio Lower Upper

252 100

253 25.4 17.3 25.9

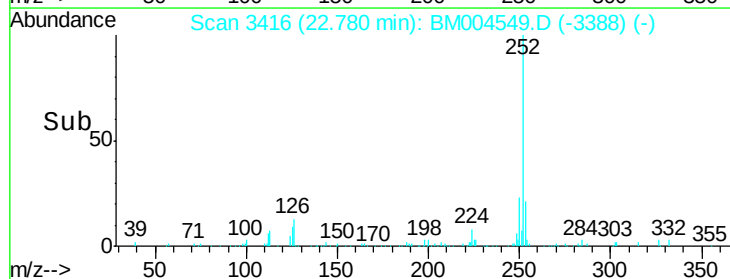
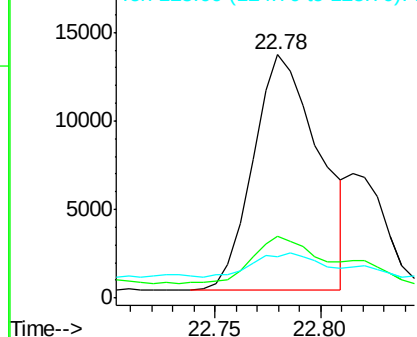
125 17.0 8.2 12.2#

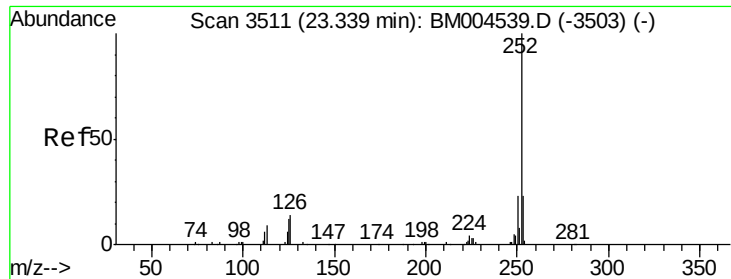


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.62 ng/ul

RT: 23.34 min Scan# 3512

Delta R.T. 0.01 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

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P009-SS003-01

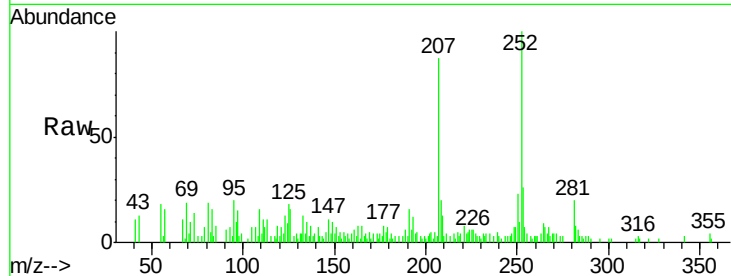
Tgt Ion:252 Resp: 24792

Ion Ratio Lower Upper

252 100

253 26.2 17.2 25.8#

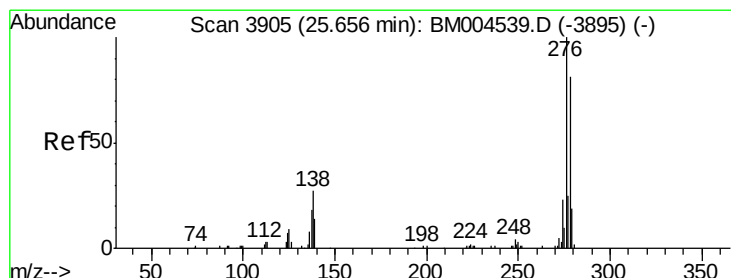
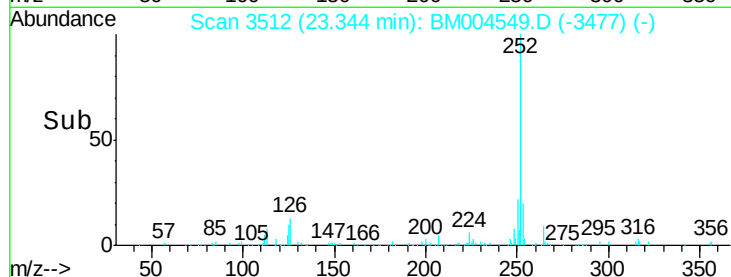
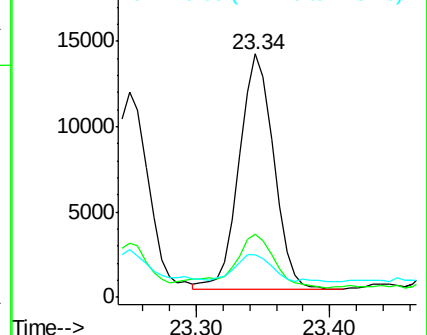
125 17.7 9.0 13.6#



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: 1.95 ng/ul

RT: 25.67 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM004549.D

Acq: 04 Mar 2016 01:37

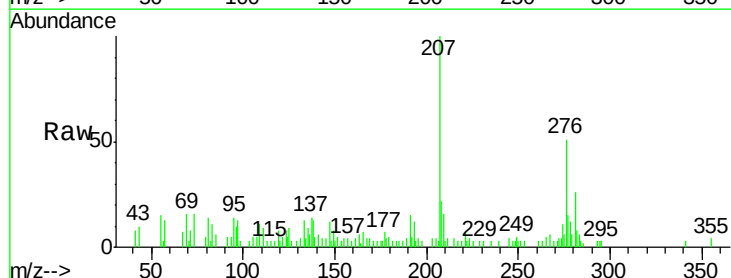
Tgt Ion:276 Resp: 18454

Ion Ratio Lower Upper

276 100

138 25.1 22.3 33.5

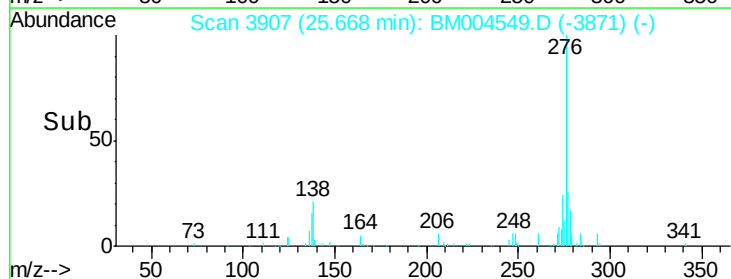
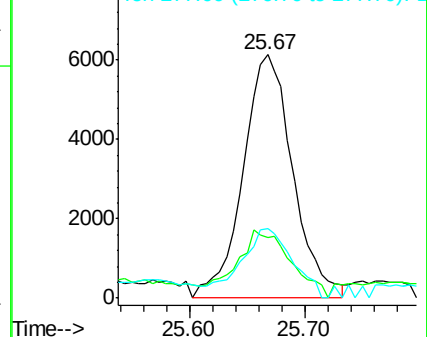
277 28.8 20.2 30.2

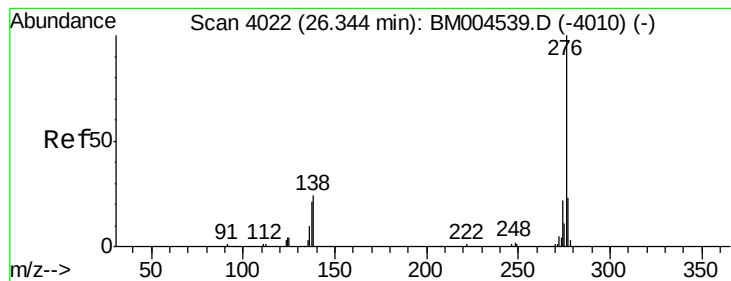


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.75 ng/ul

RT: 26.36 min Scan# 4025

Delta R.T. 0.02 min

Lab File: BM004549.D

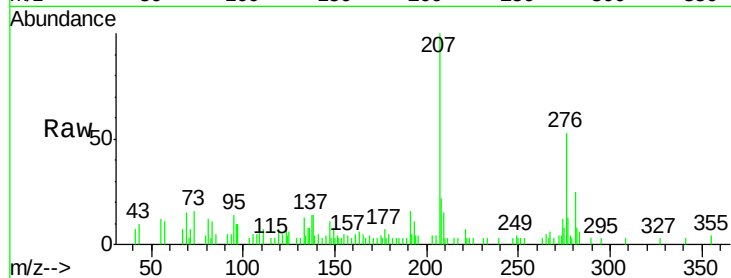
Acq: 04 Mar 2016 01:37

Instrument :

BNA_M

ClientSampleId :

P009-SS003-01



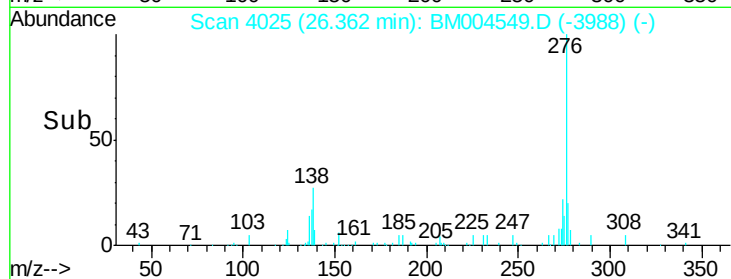
Tgt Ion: 276 Resp: 21871

Ion Ratio Lower Upper

276 100

138 27.0 18.9 28.3

277 25.3 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

