

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005594.D
 Acq On : 22 May 2016 19:38
 Operator : UM/SJ
 Sample : H3087-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK3

Quant Time: May 23 05:34:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	41921	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	207966	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	132618	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	338045	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	494631	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	580166	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	3983	4.16	ng/uL	0.00
5) Phenol-d5	6.98	99	69264	20.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	41321	20.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	55255	19.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	54371	19.31	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	29372	18.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	32898	18.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	62075	18.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	74738	22.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	223034	20.60	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	265207	19.60	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	31013	15.15	ng/ul	0.00
57) Fluorene-d10	15.43	176	198733	21.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	19061	9.80	ng/ul	0.00
70) Anthracene-d10	17.28	188	325041	20.19	ng/ul	0.00
76) Pyrene-d10	19.57	212	426487	19.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	563365	20.80	ng/ul	0.00

Target Compounds

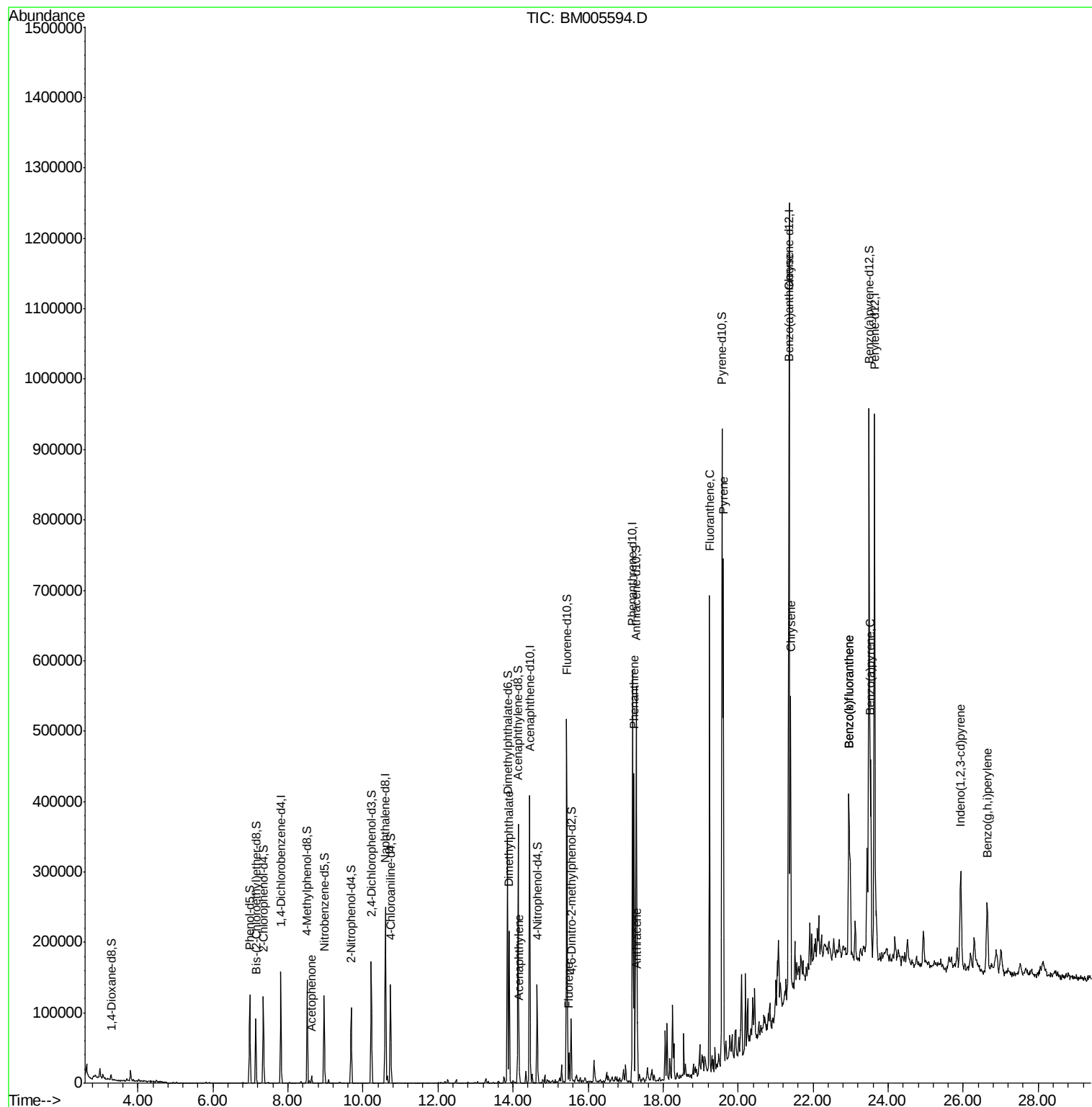
						Qvalue
14) Acetophenone	8.63	105	5812	1.37	ng/ul	96
44) Dimethylphthalate	13.90	163	128896	12.05	ng/ul	99
47) Acenaphthylene	14.16	152	18198	1.32	ng/ul	99
58) Fluorene	15.49	166	18848	1.82	ng/ul	95
69) Phenanthrene	17.23	178	258939	13.71	ng/ul	99
71) Anthracene	17.32	178	58666	3.05	ng/ul	99
74) Fluoranthene	19.24	202	392045	18.44	ng/ul	99
77) Pyrene	19.60	202	441289	15.52	ng/ul	97
80) Benzo(a)anthracene	21.34	228	180363	6.20	ng/ul	96
82) Chrysene	21.40	228	216316	7.82	ng/ul	98
85) Benzo(b)fluoranthene	22.95	252	230848	6.75	ng/ul	98
86) Benzo(k)fluoranthene	22.95	252	230848	7.13	ng/ul	98
88) Benzo(a)pyrene	23.54	252	199192	6.00	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.93	276	129406	3.28	ng/ul	96
91) Benzo(g,h,i)perylene	26.64	276	126681	3.82	ng/ul	98

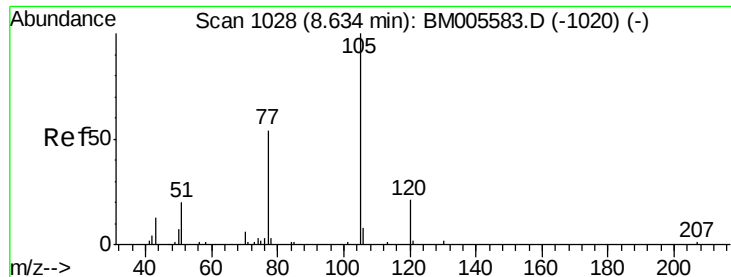
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.37 ng/ul

RT: 8.63 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Instrument :

BNA_M

ClientSampleId :

JHGK3

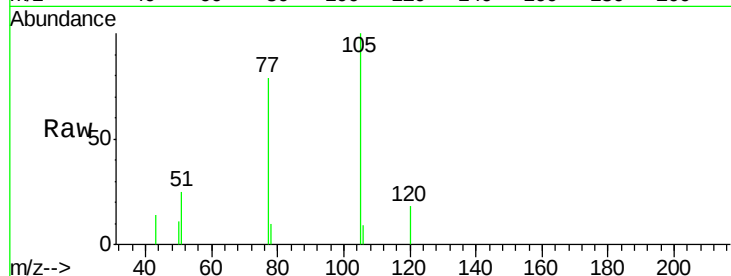
Tgt Ion:105 Resp: 5812

Ion Ratio Lower Upper

105 100

77 79.4 60.8 91.2

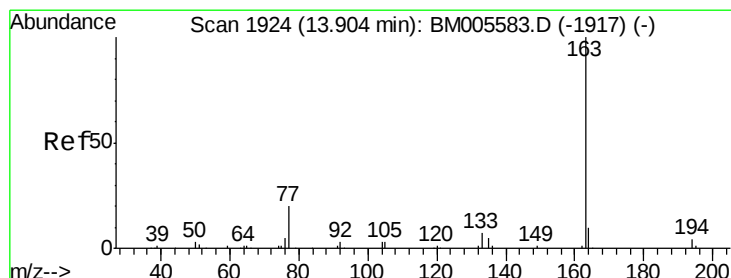
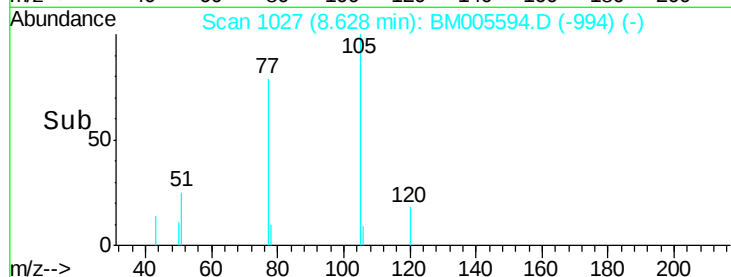
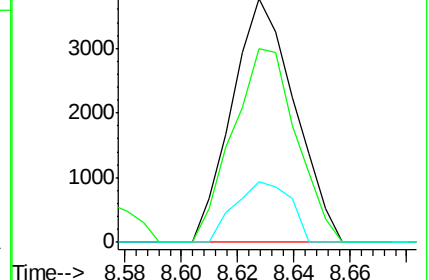
51 25.1 22.2 33.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM005583.D (-1020) (-)

Ion 51.00 (50.70 to 51.70): BM005583.D (-1020) (-)



#44

Dimethylphthalate

Concen: 12.05 ng/ul

RT: 13.90 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

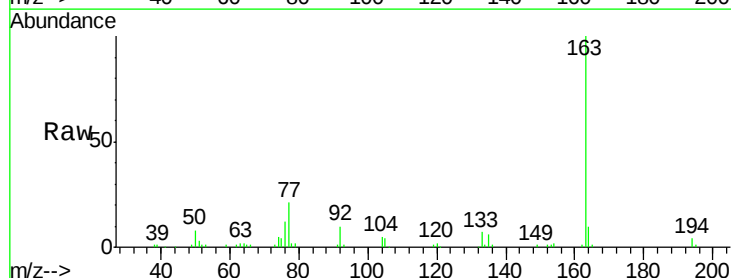
Tgt Ion:163 Resp: 128896

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

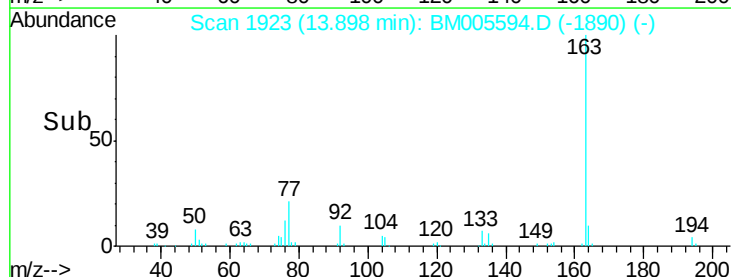
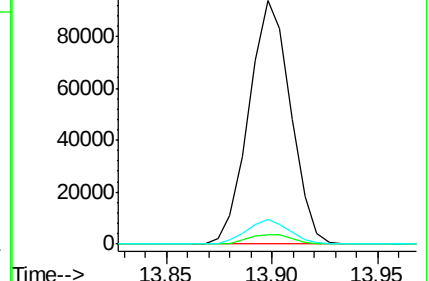
164 10.2 8.0 12.0

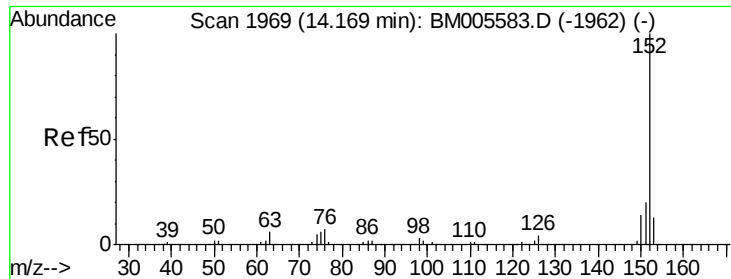


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.32 ng/ul

RT: 14.16 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Instrument :

BNA_M

ClientSampleId :

JHGK3

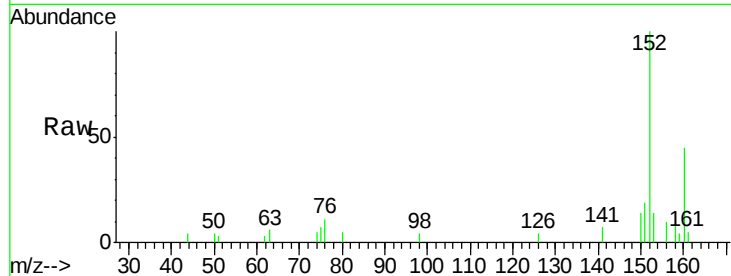
Tgt Ion:152 Resp: 18198

Ion Ratio Lower Upper

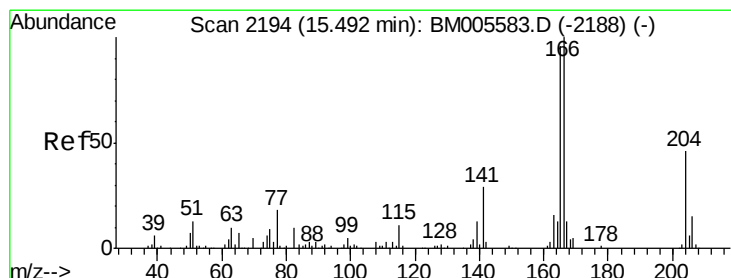
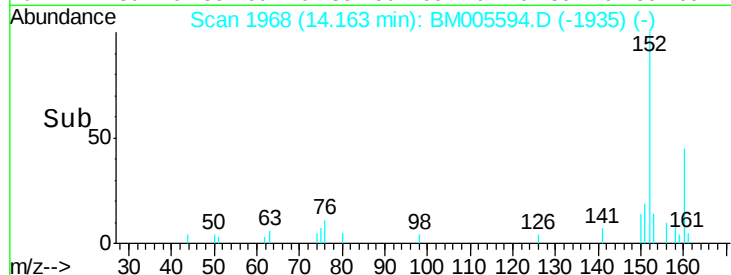
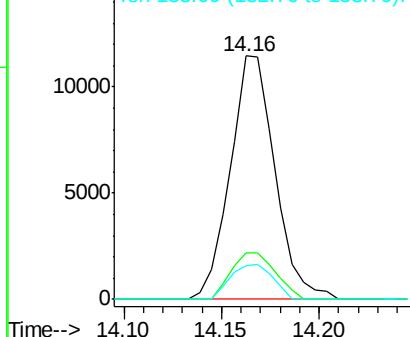
152 100

151 19.3 15.7 23.5

153 13.7 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: 1.82 ng/ul

RT: 15.49 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

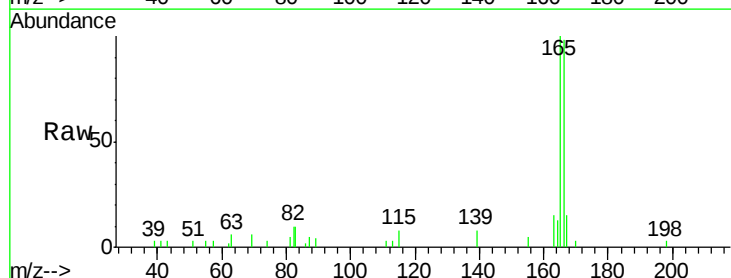
Tgt Ion:166 Resp: 18848

Ion Ratio Lower Upper

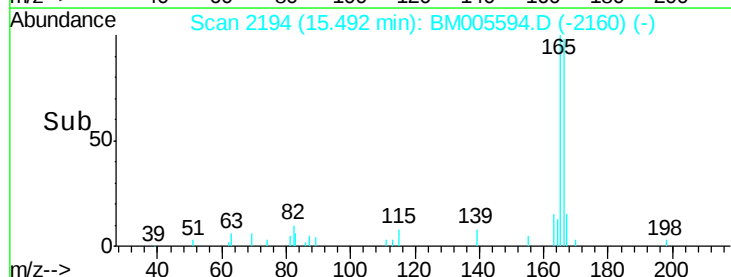
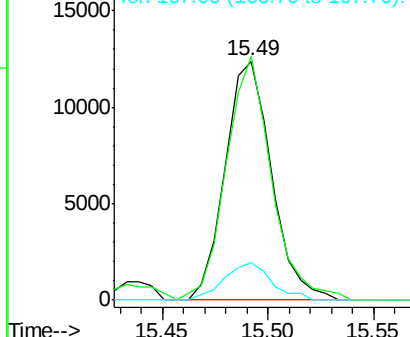
166 100

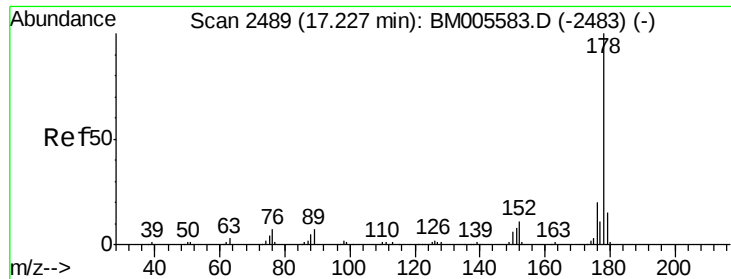
165 101.9 78.0 117.0

167 15.6 10.5 15.7



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: 13.71 ng/ul

RT: 17.23 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Instrument :

BNA_M

ClientSampleId :

JHGK3

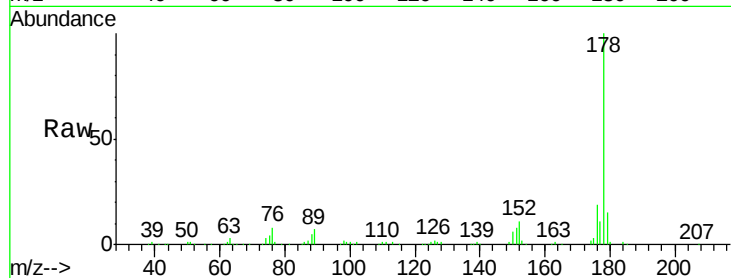
Tgt Ion:178 Resp: 258939

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

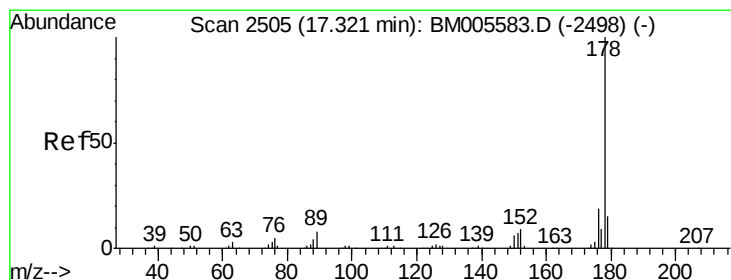
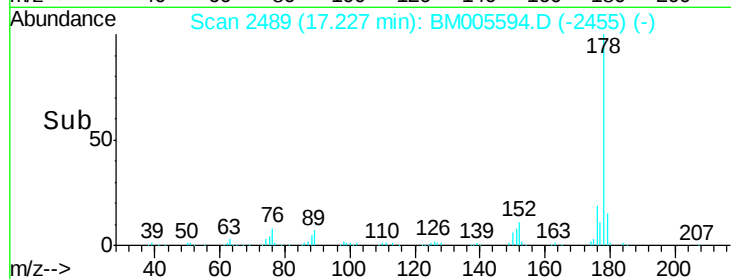
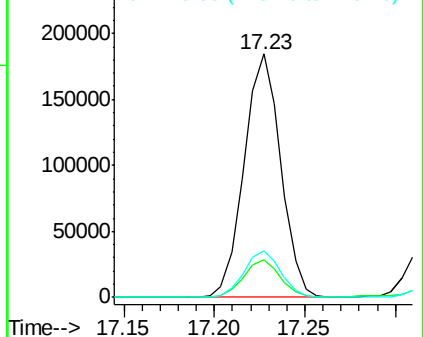
176 18.9 15.8 23.6



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: 3.05 ng/ul

RT: 17.32 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

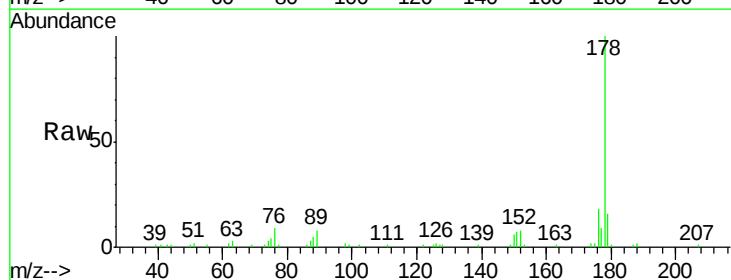
Tgt Ion:178 Resp: 58666

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

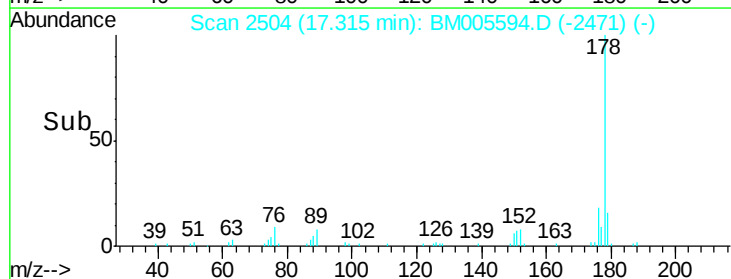
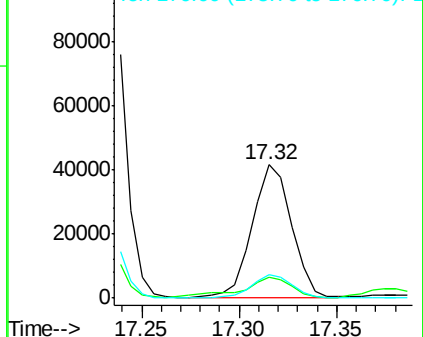
176 17.8 15.0 22.4

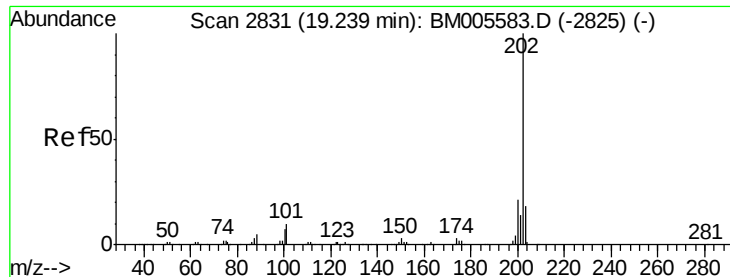


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 18.44 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Instrument :

BNA_M

ClientSampleId :

JHGK3

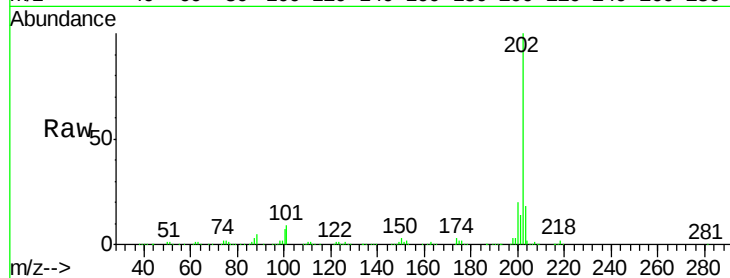
Tgt Ion:202 Resp: 392045

Ion Ratio Lower Upper

202 100

101 9.2 7.9 11.9

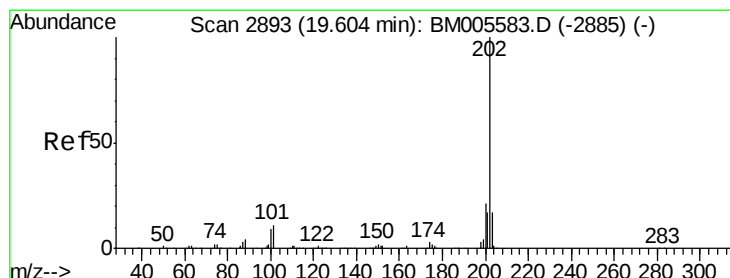
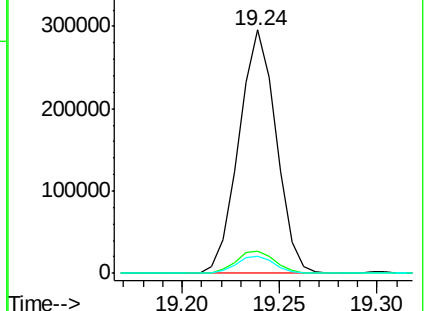
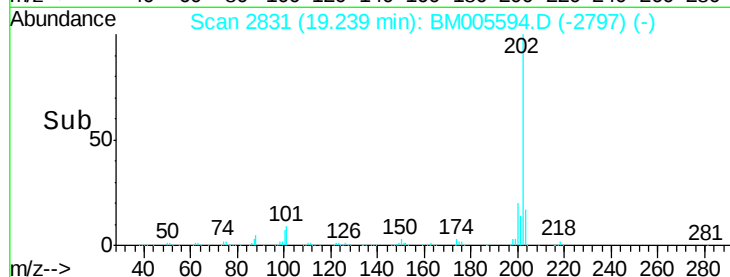
100 7.1 5.6 8.4



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



#77

Pyrene

Concen: 15.52 ng/ul

RT: 19.60 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

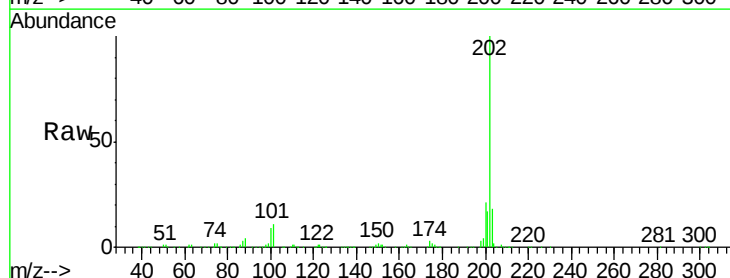
Tgt Ion:202 Resp: 441289

Ion Ratio Lower Upper

202 100

101 10.5 9.6 14.4

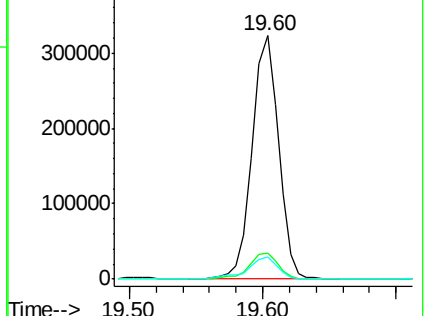
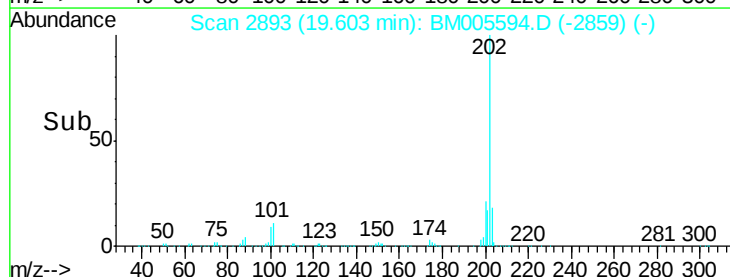
100 9.0 7.8 11.6

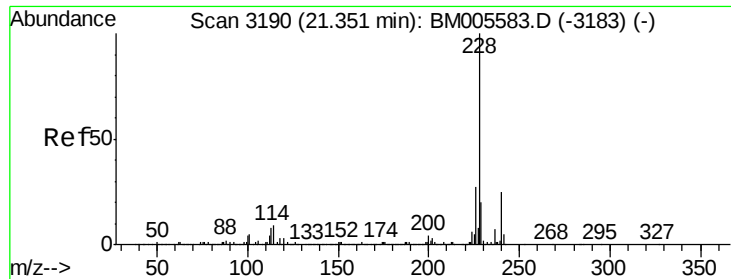


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.20 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

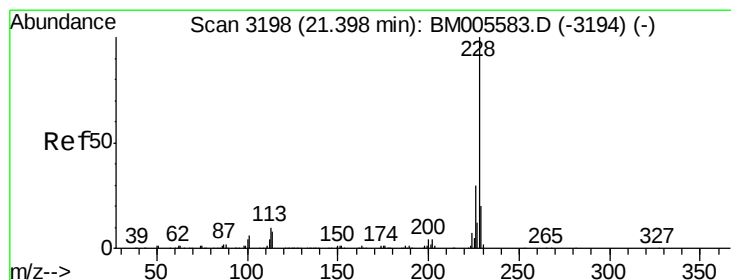
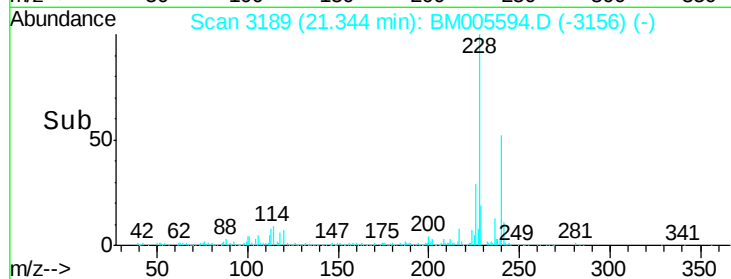
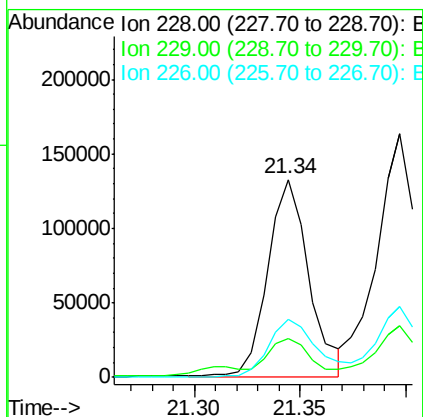
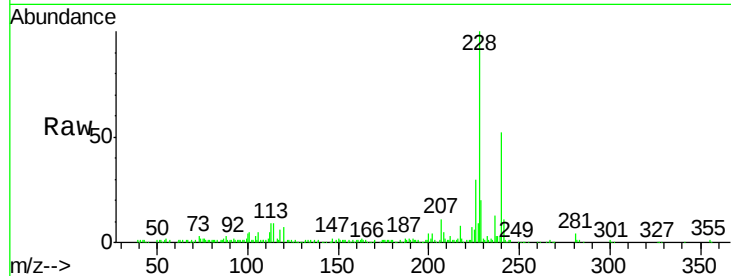
Instrument :

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Tgt Ion:	228	Resp:	180363
Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.2
226	29.5	21.0	31.4



#82

Chrysene

Concen: 7.82 ng/ul

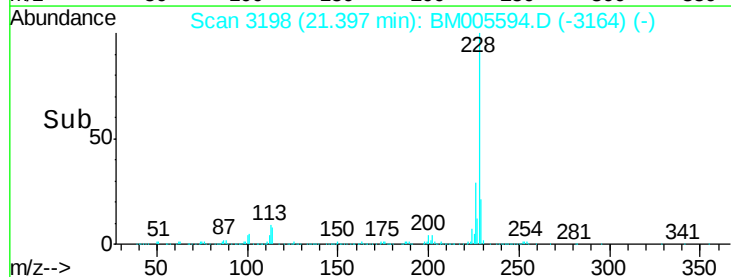
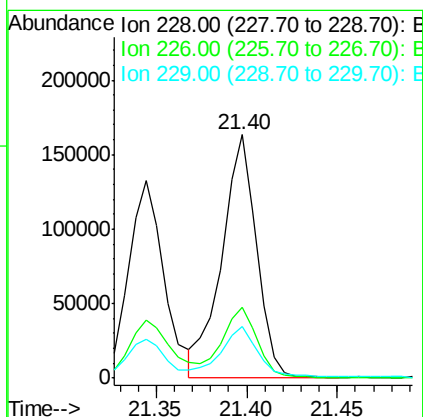
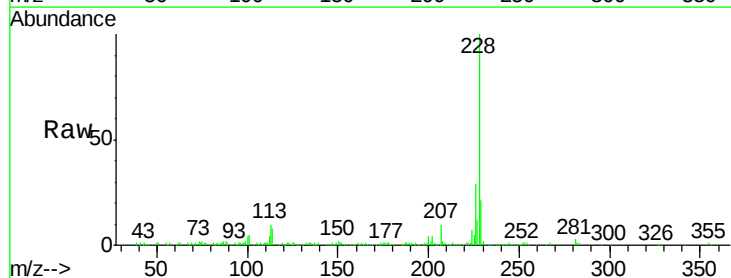
RT: 21.40 min Scan# 3198

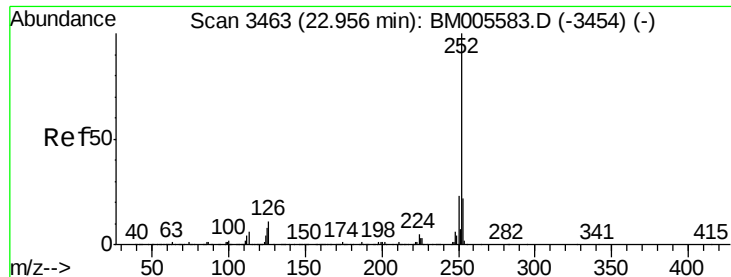
Delta R.T. -0.00 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Tgt Ion:	228	Resp:	216316
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	21.1	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 6.75 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Instrument :

BNA_M

ClientSampleId :

JHKG3

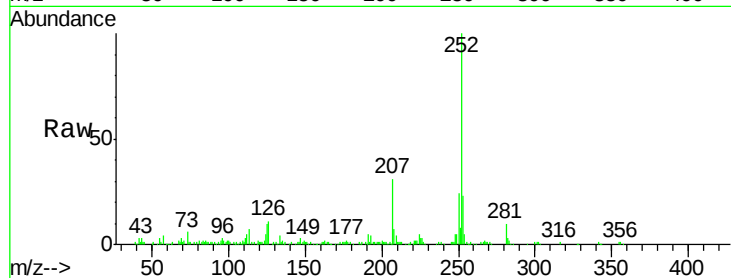
Tgt Ion:252 Resp: 230848

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

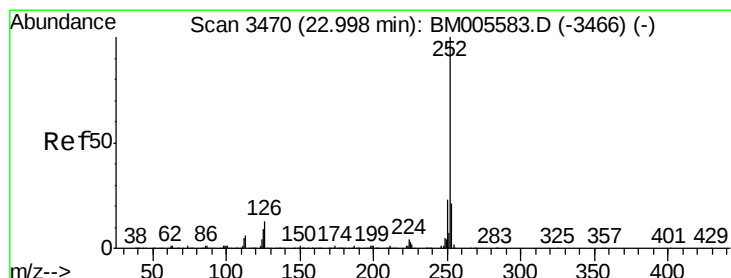
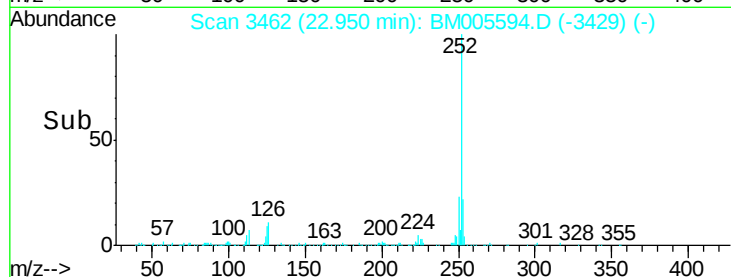
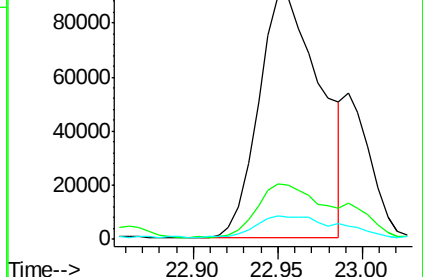
125 9.7 7.0 10.4



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



#86

Benzo(k)fluoranthene

Concen: 7.13 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. -0.05 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

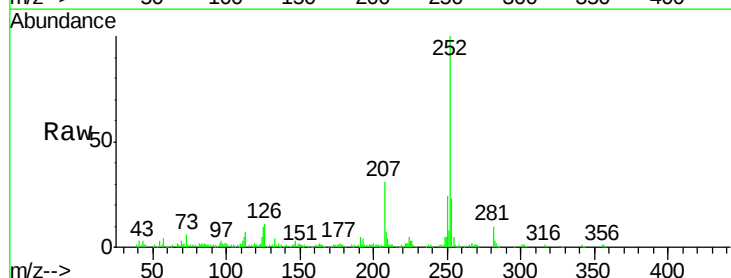
Tgt Ion:252 Resp: 230848

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

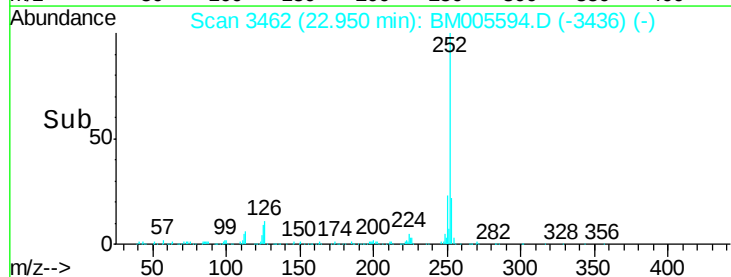
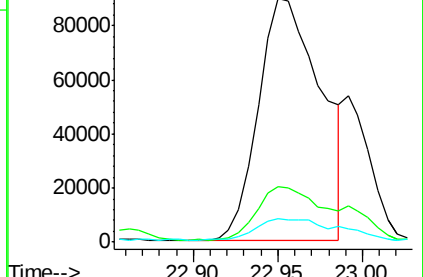
125 9.7 7.0 10.6

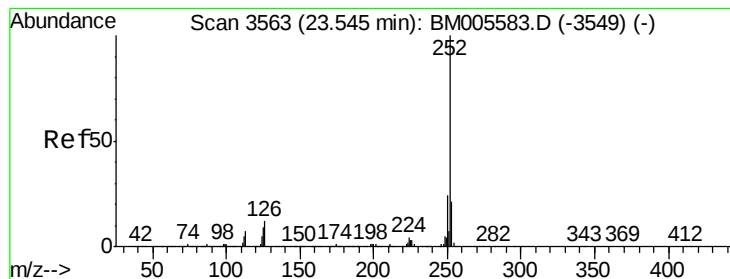


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 6.00 ng/ul

RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BM005594.D

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JHKG3

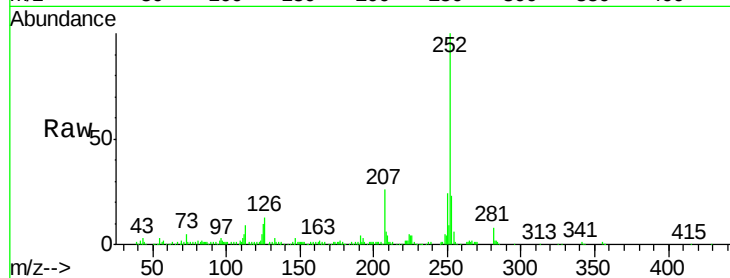
Tgt Ion: 252 Resp: 199192

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

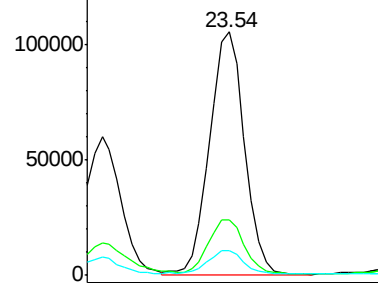
125 10.0 7.6 11.4



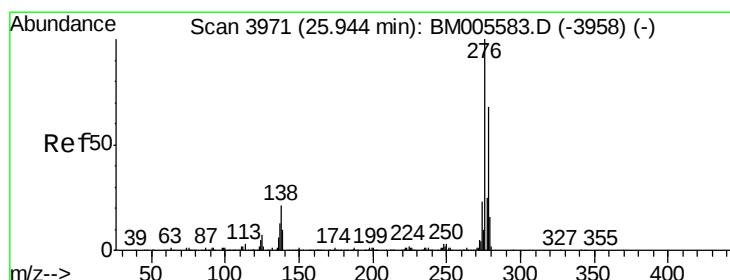
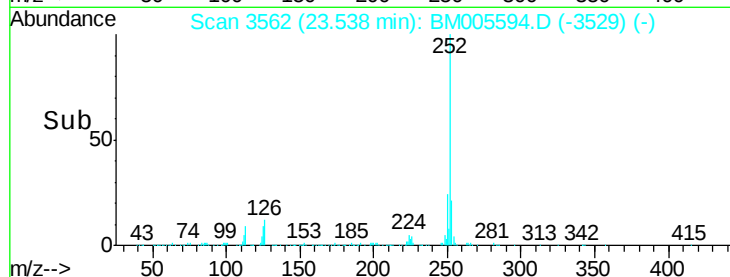
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.28 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. -0.01 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

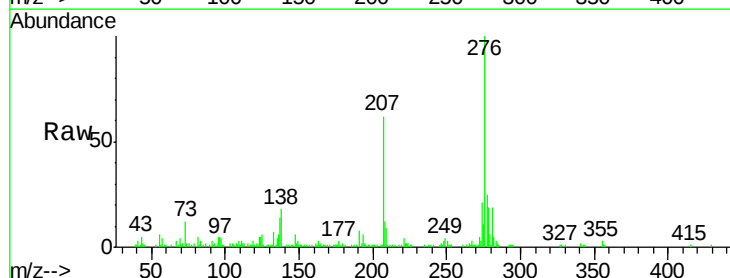
Tgt Ion: 276 Resp: 129406

Ion Ratio Lower Upper

276 100

138 17.6 16.9 25.3

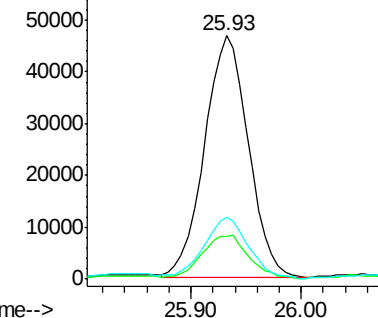
277 25.4 20.2 30.4



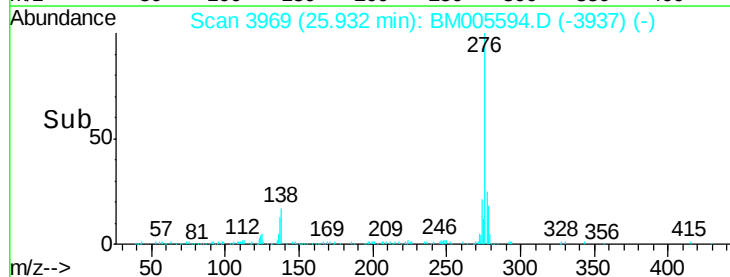
Abundance Ion 276.00 (275.70 to 276.70): E

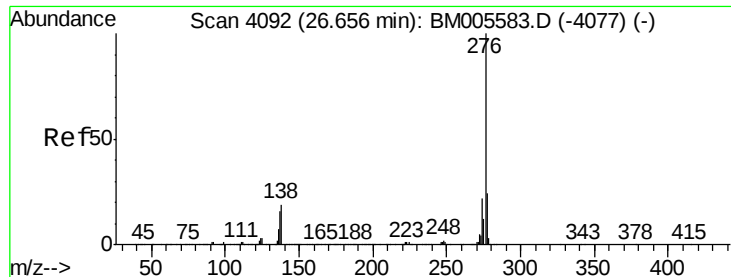
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#91

Benzo(g,h,i)perylene

Concen: 3.82 ng/ul

RT: 26.64 min Scan# 4089

Delta R.T. -0.02 min

Lab File: BM005594.D

Acq: 22 May 2016 19:38

Instrument :

BNA_M

ClientSampleId :

JHGK3

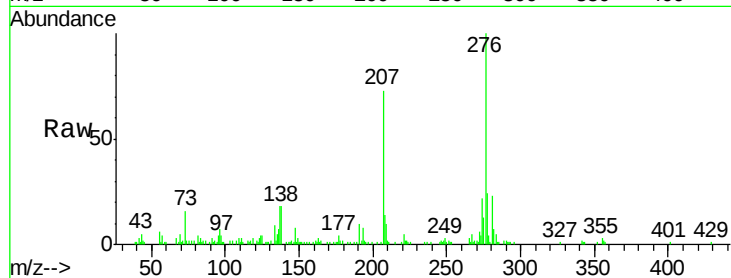
Tgt Ion: 276 Resp: 126681

Ion Ratio Lower Upper

276 100

138 18.0 15.0 22.6

277 24.2 18.6 28.0



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

