

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005787.D
 Acq On : 14 Jun 2016 16:26
 Operator : UM/SJ
 Sample : SSTD02036
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02036

Quant Time: Jun 15 01:19:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:18:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	88941	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	430451	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	225071	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	407734	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	423567	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	445487	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	15265	7.50	ng/uL	0.00
3) Phenol-d5	6.92	99	147377	19.36	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	90192	19.74	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	122861	19.90	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	127473	19.77	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	63063	20.36	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	70527	20.30	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	130915	20.50	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	159888	21.51	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	365100	19.77	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	457032	20.16	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	34842	13.87	ng/ul	0.00
21) Fluorene-d10	15.38	176	286398	18.61	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	33181	16.37	ng/ul	0.00
26) Anthracene-d10	17.23	188	375666	19.69	ng/ul	0.00
30) Pyrene-d10	19.53	212	390757	19.24	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	405600	19.97	ng/ul	0.00

Target Compounds

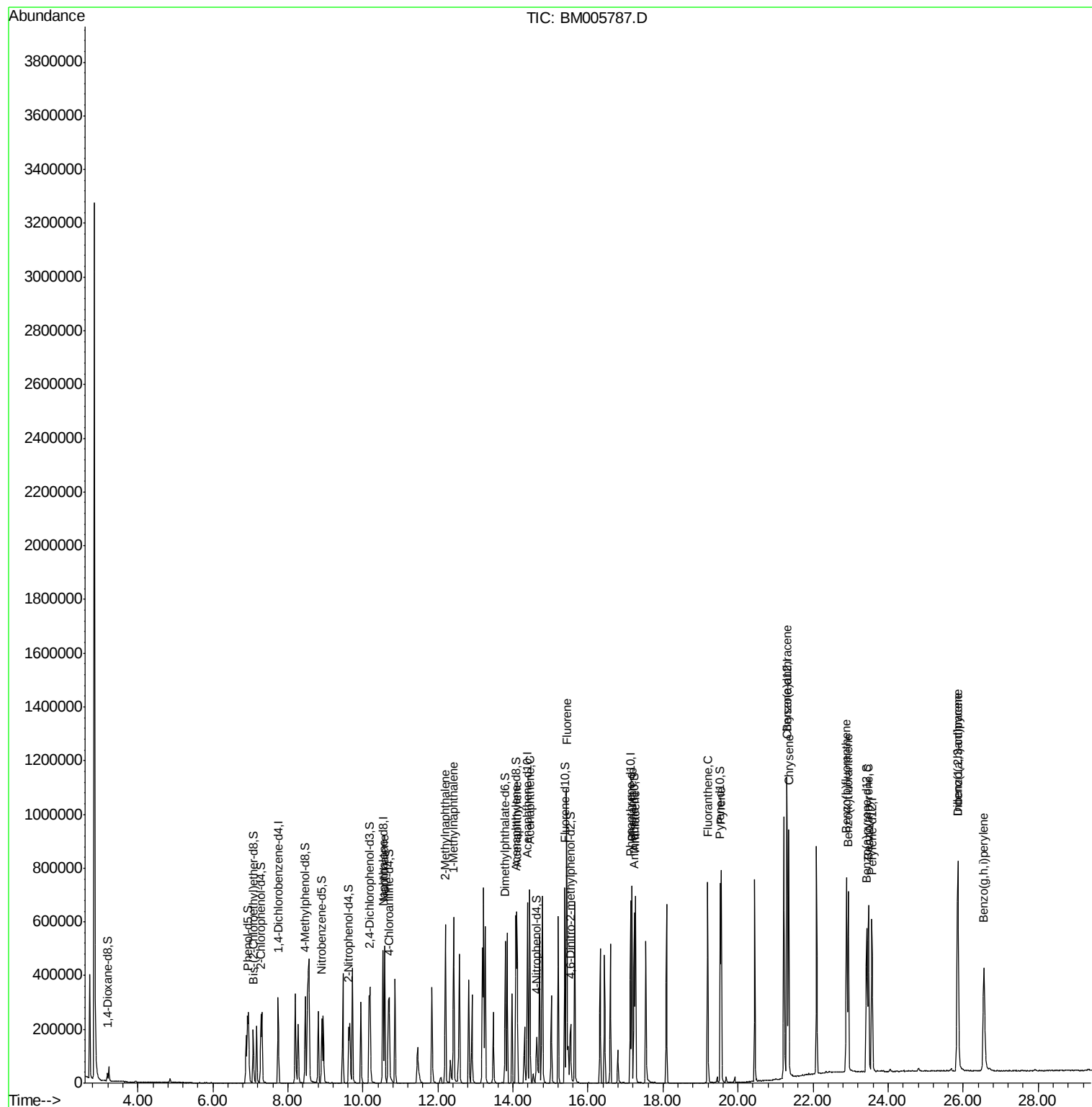
						Qvalue
11) Naphthalene	10.58	128	420944	19.59	ng/ul	100
13) 2-Methylnaphthalene	12.20	142	303933	19.00	ng/ul	100
14) 1-Methylnaphthalene	12.42	142	299675	18.95	ng/ul	100
18) Acenaphthylene	14.11	152	456041	19.73	ng/ul	100
19) Acenaphthene	14.45	153	296598	19.70	ng/ul	100
22) Fluorene	15.44	166	310836	18.46	ng/ul	100
25) Phenanthrene	17.17	178	443165	19.93	ng/ul	100
27) Anthracene	17.26	178	444295	19.80	ng/ul	100
28) Fluoranthene	19.19	202	485571	18.87	ng/ul	100
31) Pyrene	19.55	202	497139	19.37	ng/ul	100
32) Benzo(a)anthracene	21.30	228	490896	20.05	ng/ul	100
33) Chrysene	21.35	228	471424	19.66	ng/ul	100
35) Benzo(b)fluoranthene	22.89	252	531560	19.98	ng/ul	100
36) Benzo(k)fluoranthene	22.93	252	482585	18.46	ng/ul	100
38) Benzo(a)pyrene	23.47	252	498128	19.84	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.86	276	581092	22.84	ng/ul	100
40) Dibenzo(a,h)anthracene	25.86	278	489398	22.96	ng/ul	100
41) Benzo(g,h,i)perylene	26.56	276	501864	23.28	ng/ul	100

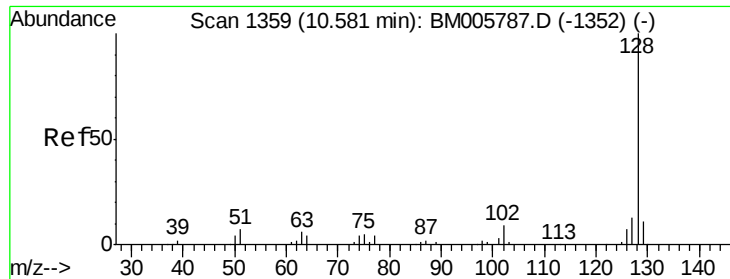
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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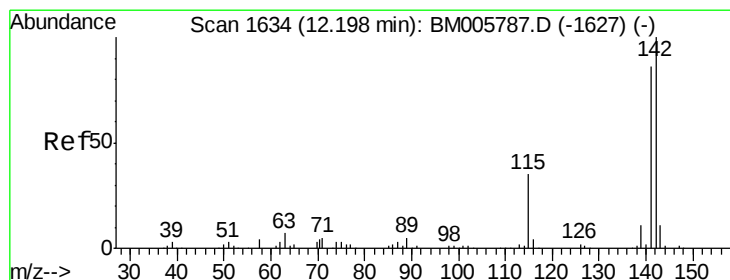
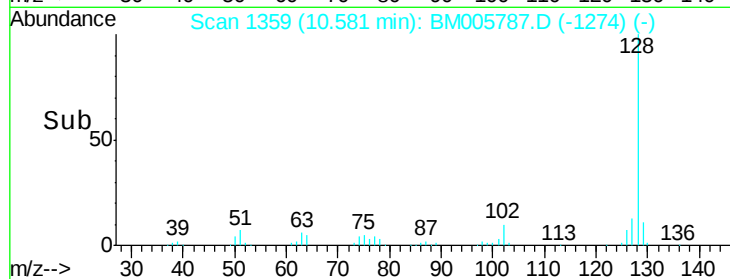
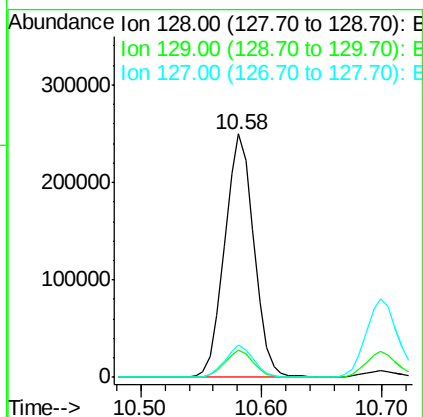
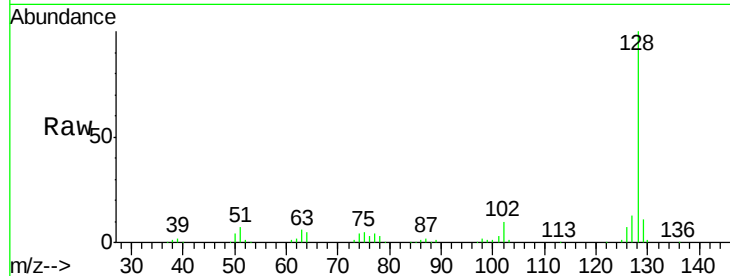




#11
Naphthalene
Concen: 19.59 ng/ul
RT: 10.58 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BM005787.D
Acq: 14 Jun 2016 16:26

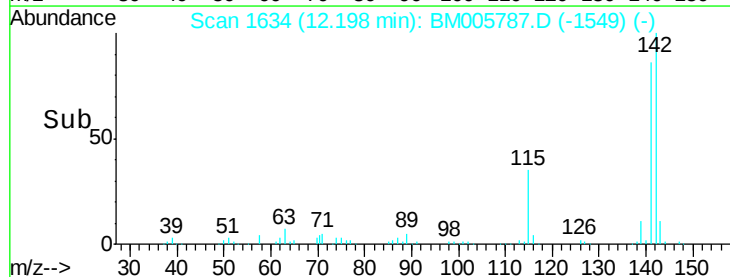
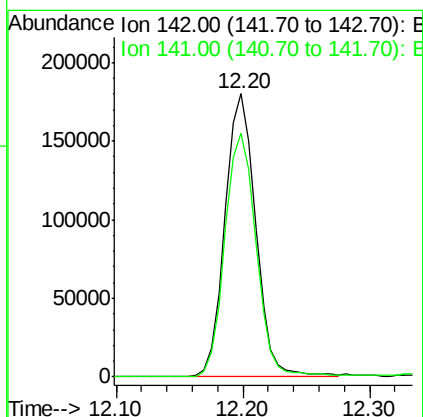
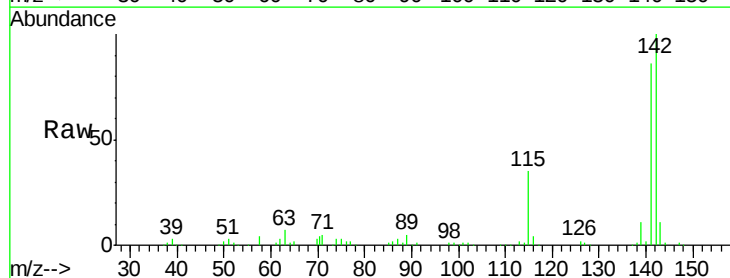
Instrument :
BNA_M
ClientSampleId :
SSTD02036

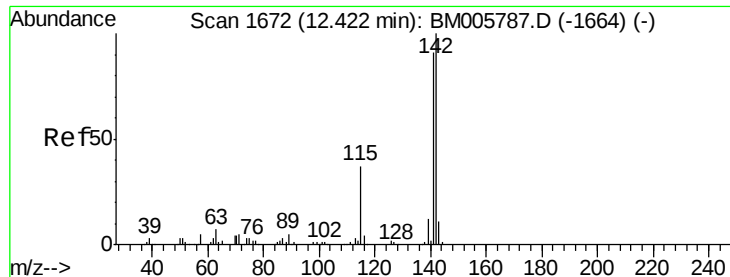
Tgt Ion:128 Resp: 420944
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.5 15.7



#13
2-Methylnaphthalene
Concen: 19.00 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BM005787.D
Acq: 14 Jun 2016 16:26

Tgt Ion:142 Resp: 303933
Ion Ratio Lower Upper
142 100
141 86.3 69.0 103.6

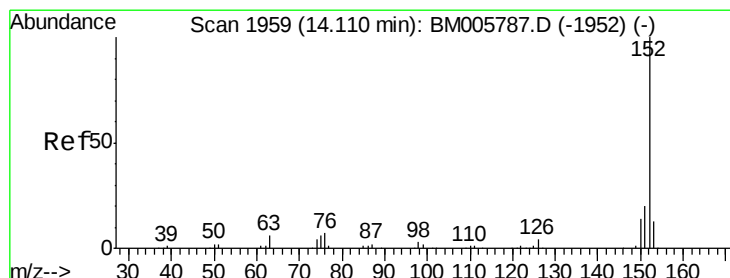
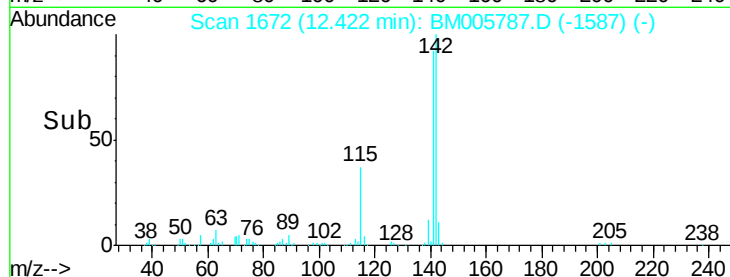
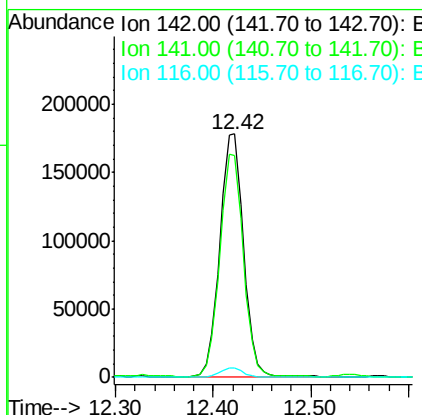
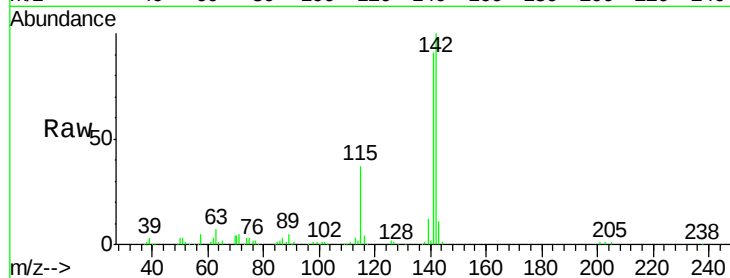




#14
1-Methylnaphthalene
Concen: 18.95 ng/ul
RT: 12.42 min Scan# 1672
Delta R.T. 0.00 min
Lab File: BM005787.D
Acq: 14 Jun 2016 16:26

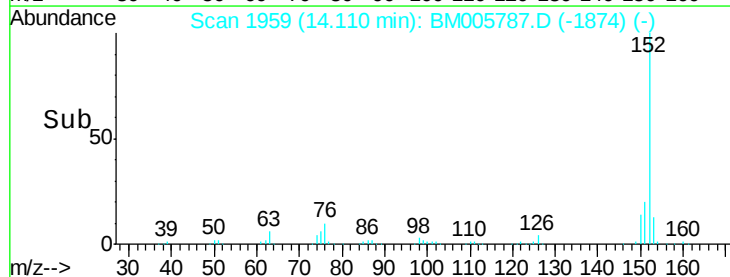
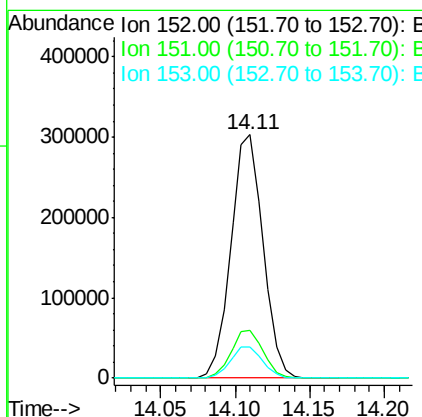
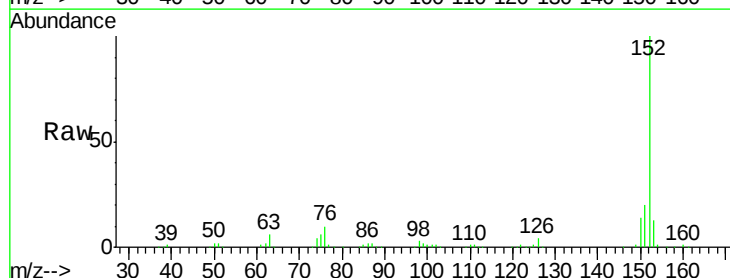
Instrument :
BNA_M
ClientSampleId :
SSTD02036

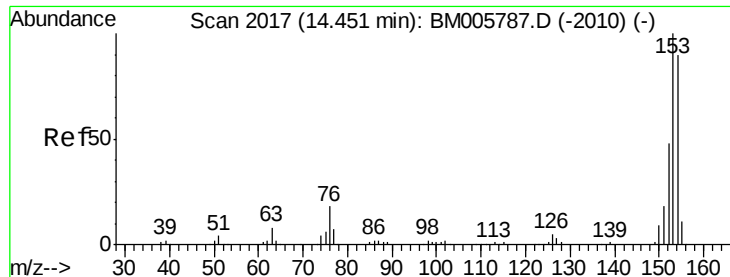
Tgt Ion:142 Resp: 299675
Ion Ratio Lower Upper
142 100
141 91.2 73.0 109.4
116 3.8 3.0 4.6



#18
Acenaphthylene
Concen: 19.73 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BM005787.D
Acq: 14 Jun 2016 16:26

Tgt Ion:152 Resp: 456041
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 12.9 10.3 15.5





#19

Acenaphthene

Concen: 19.70 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SSTD02036

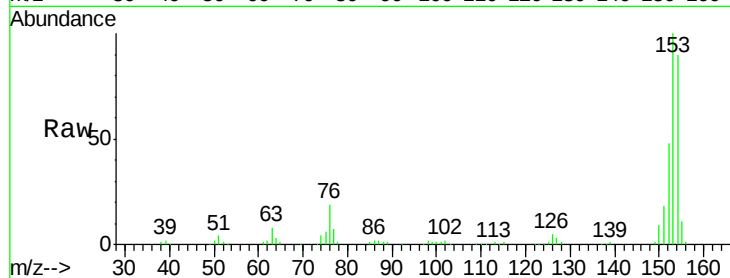
Tgt Ion:153 Resp: 296598

Ion Ratio Lower Upper

153 100

152 47.6 38.1 57.1

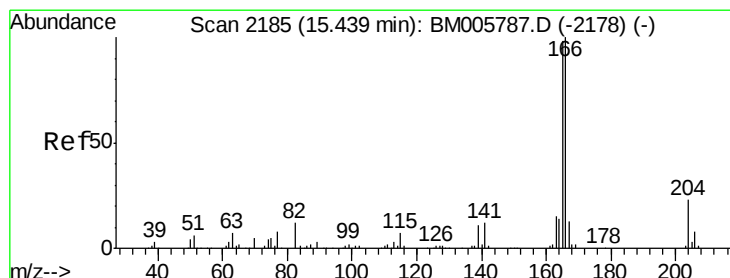
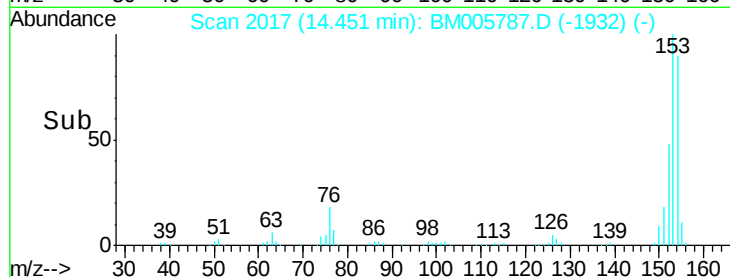
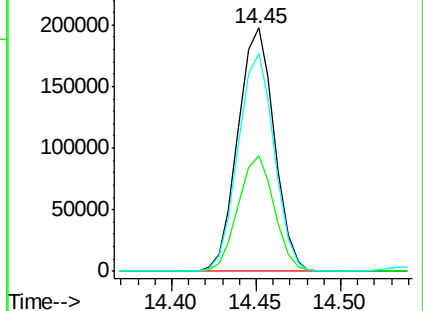
154 89.5 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 18.46 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

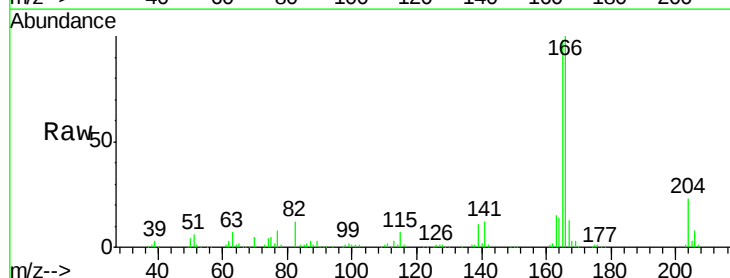
Tgt Ion:166 Resp: 310836

Ion Ratio Lower Upper

166 100

165 98.0 78.4 117.6

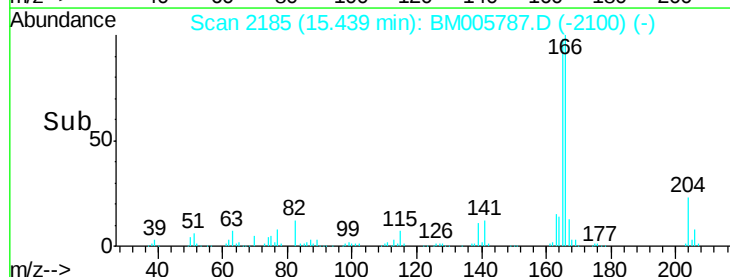
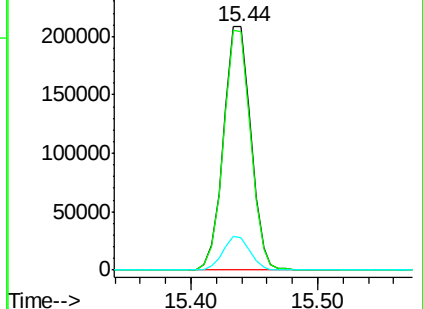
167 13.3 10.6 16.0

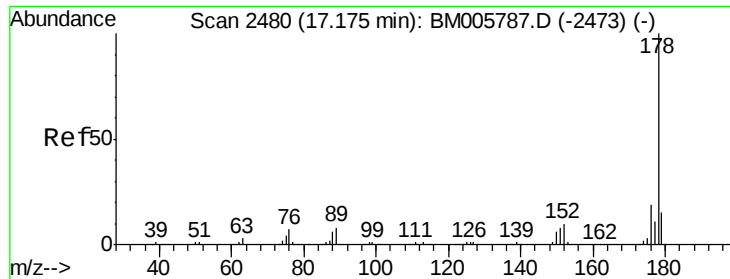


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.93 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SSTD02036

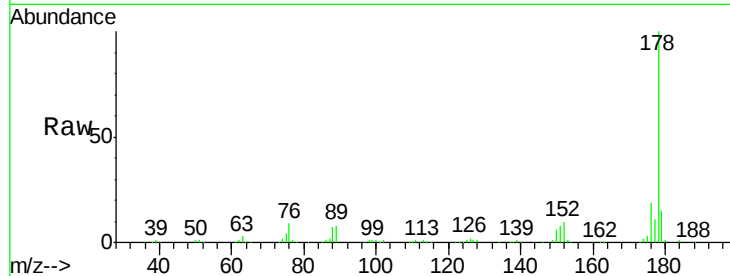
Tgt Ion:178 Resp: 443165

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

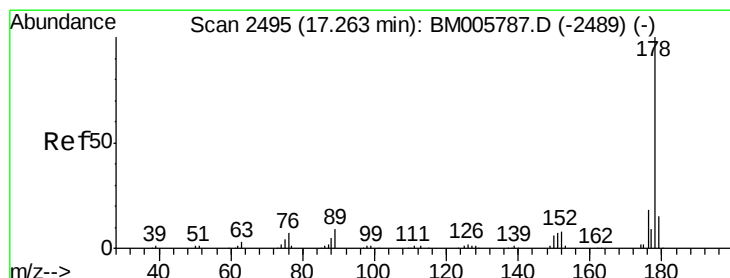
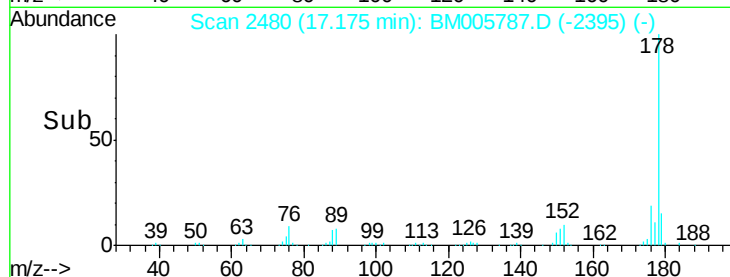
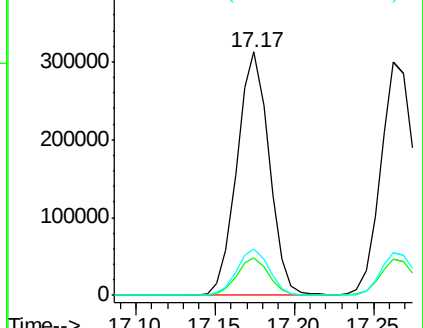
176 19.1 15.3 22.9



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



#27

Anthracene

Concen: 19.80 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

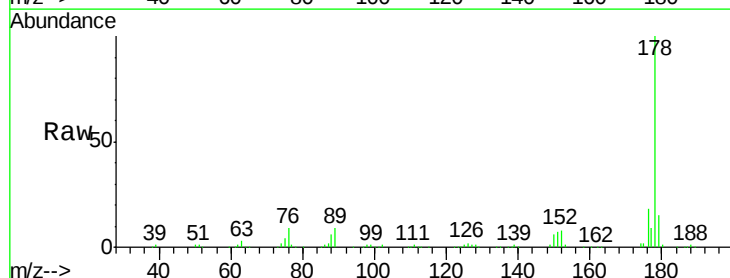
Tgt Ion:178 Resp: 444295

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

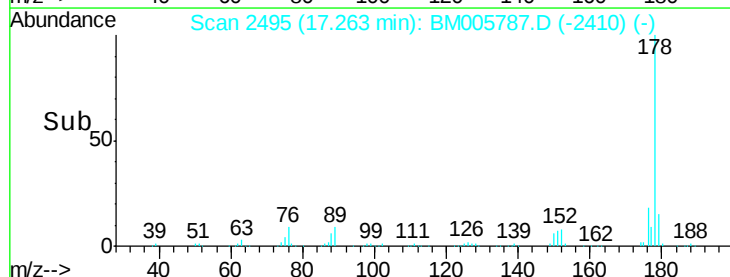
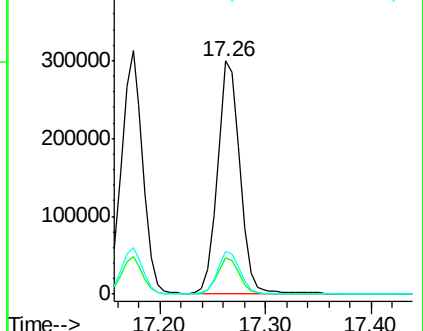
176 18.3 14.6 22.0

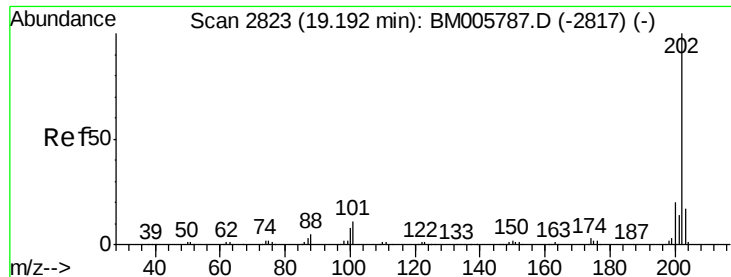


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

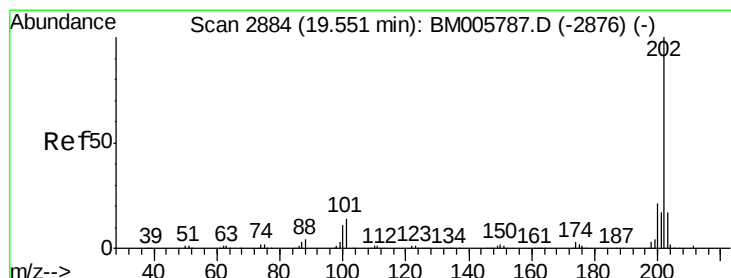
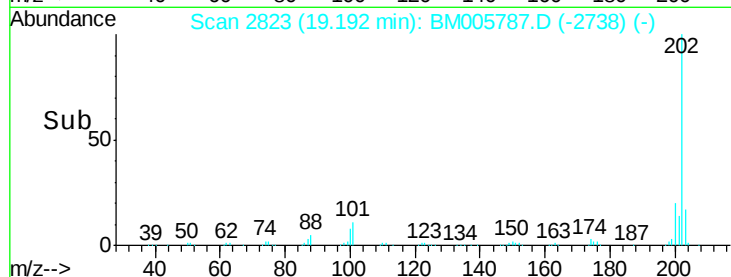
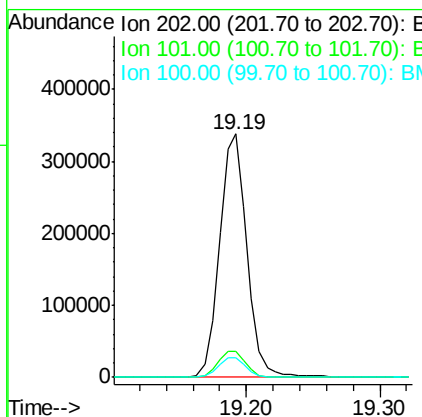
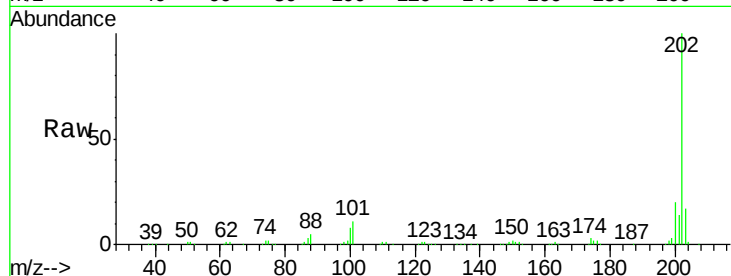




#28
Fluoranthene
Concen: 18.87 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. 0.00 min
Lab File: BM005787.D
Acq: 14 Jun 2016 16:26

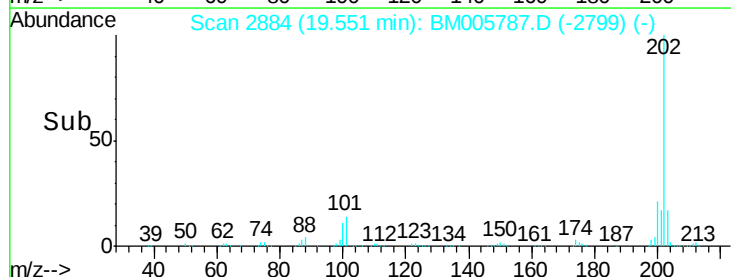
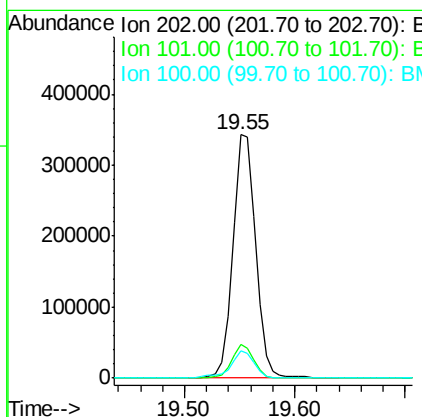
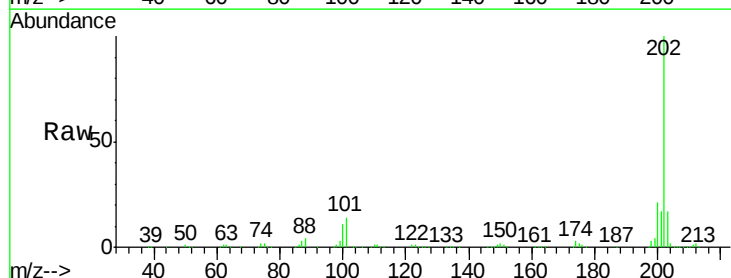
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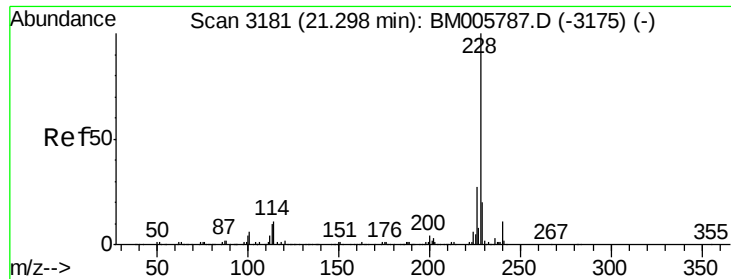
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.5	12.7
100	8.1	6.5	9.7



#31
Pyrene
Concen: 19.37 ng/ul
RT: 19.55 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BM005787.D
Acq: 14 Jun 2016 16:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.0	16.4
100	11.1	8.9	13.3





#32

Benzo(a)anthracene

Concen: 20.05 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

Instrument :

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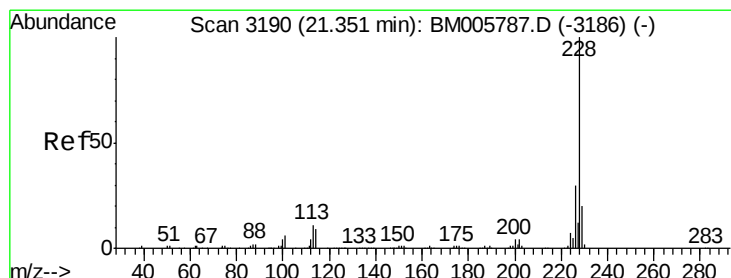
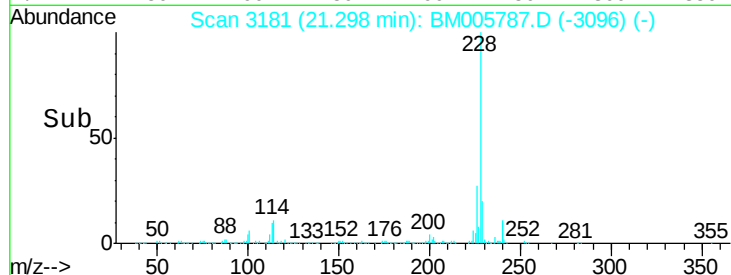
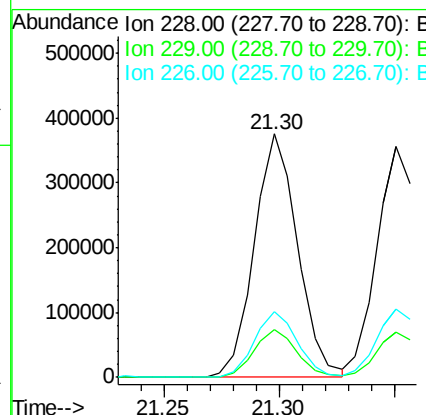
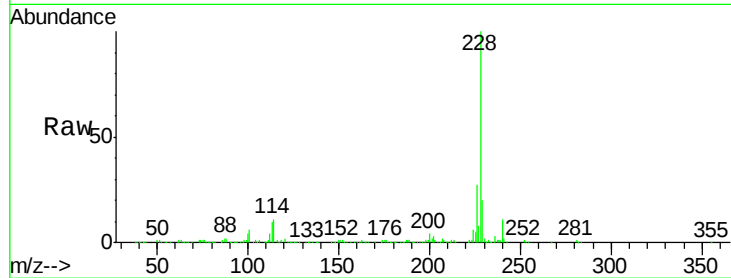
Tgt Ion:228 Resp: 490896

Ion Ratio Lower Upper

228 100

229 19.5 15.6 23.4

226 27.0 21.6 32.4



#33

Chrysene

Concen: 19.66 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

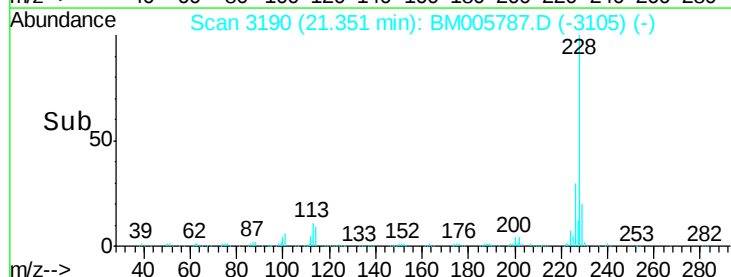
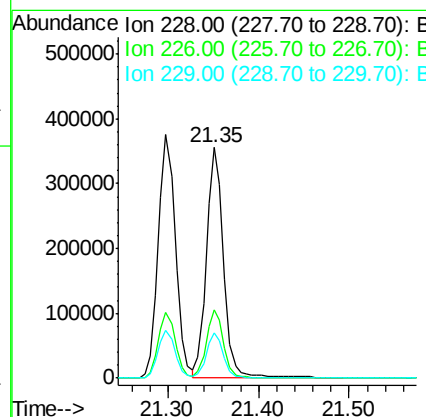
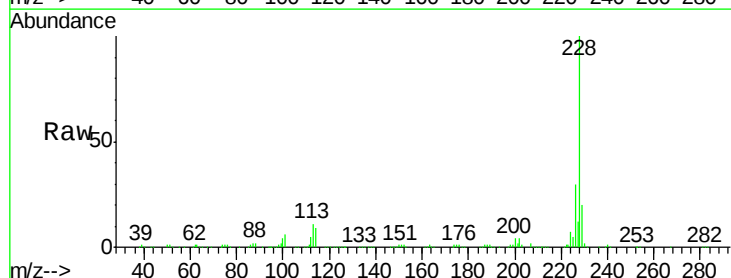
Tgt Ion:228 Resp: 471424

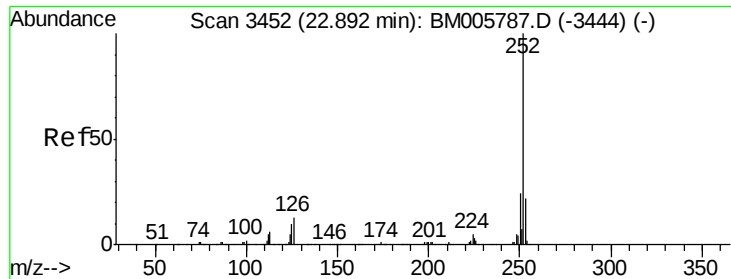
Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 19.7 15.8 23.6





#35

Benzo(b)fluoranthene

Concen: 19.98 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

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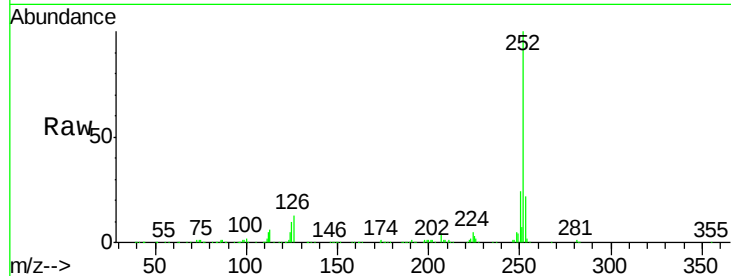
Tgt Ion:252 Resp: 531560

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

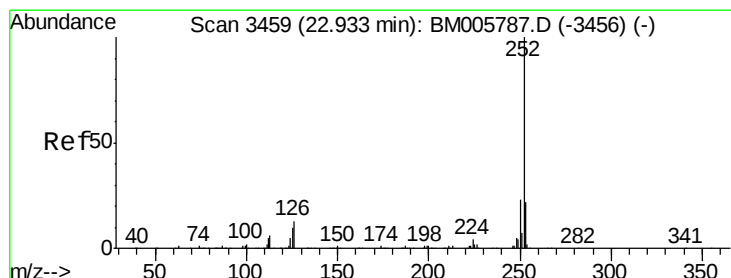
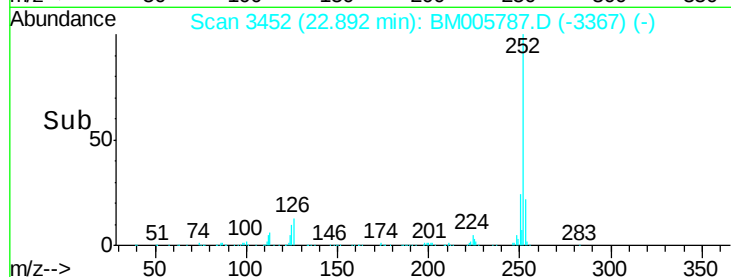
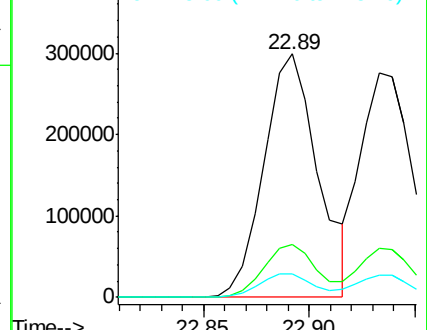
125 9.7 7.8 11.6



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



#36

Benzo(k)fluoranthene

Concen: 18.46 ng/ul

RT: 22.93 min Scan# 3459

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

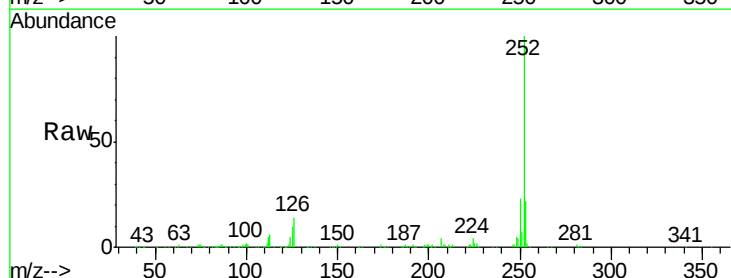
Tgt Ion:252 Resp: 482585

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

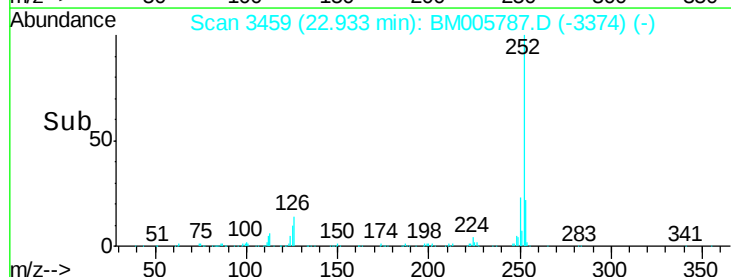
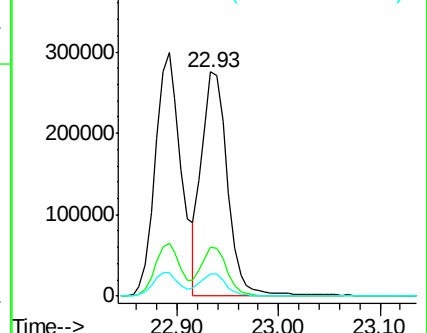
125 10.1 8.1 12.1

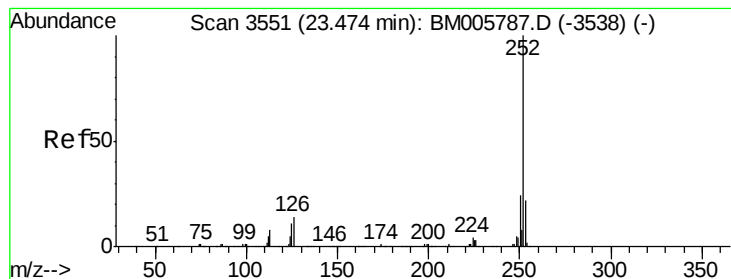


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.84 ng/ul

RT: 23.47 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SSTD02036

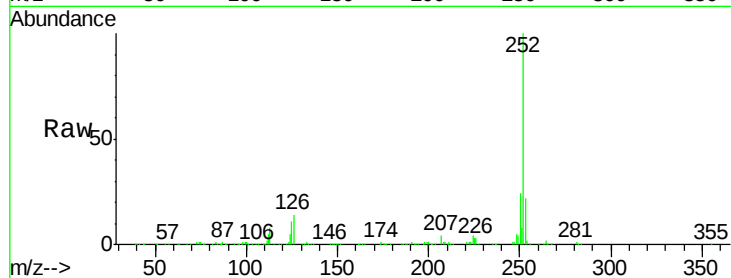
Tgt Ion:252 Resp: 498128

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

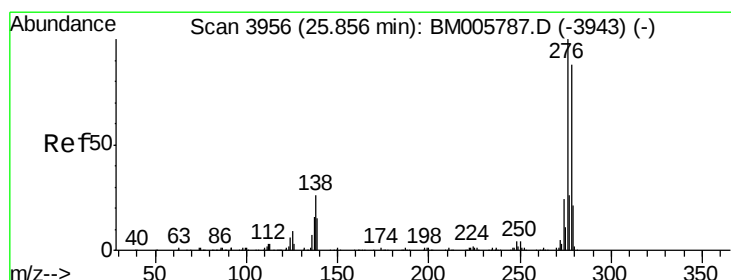
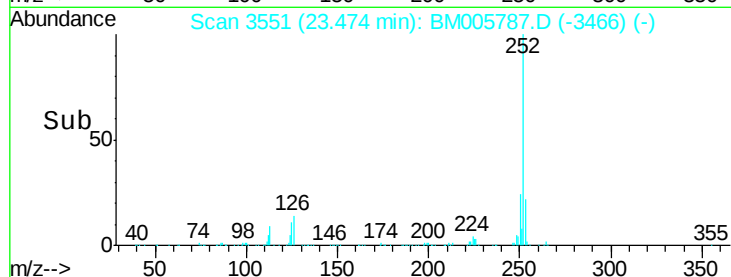
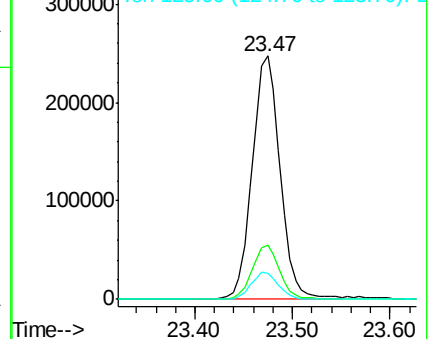
125 10.9 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 22.84 ng/ul

RT: 25.86 min Scan# 3956

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

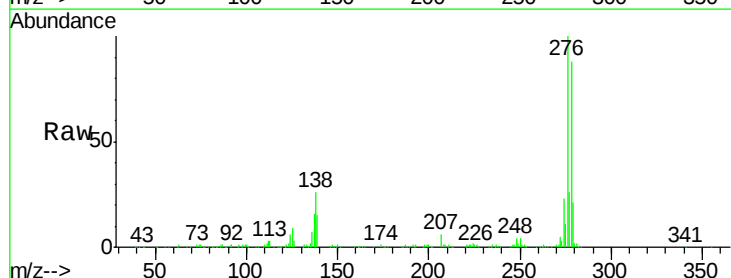
Tgt Ion:276 Resp: 581092

Ion Ratio Lower Upper

276 100

138 25.5 20.4 30.6

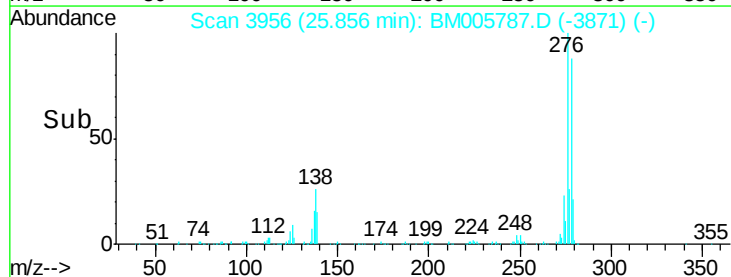
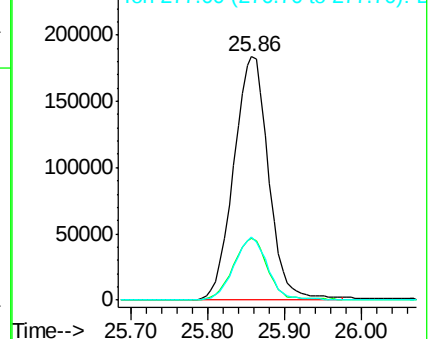
277 25.7 20.6 30.8

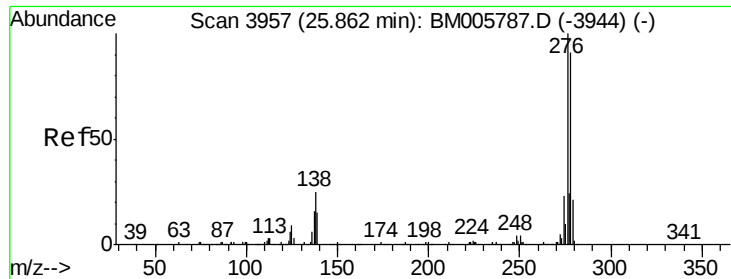


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 22.96 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

Instrument :

BNA_M

ClientSampleId :

SSTD02036

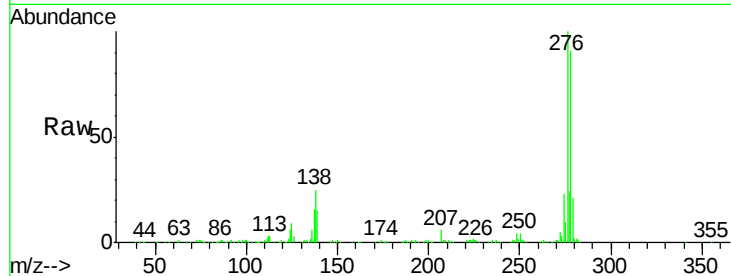
Tgt Ion:278 Resp: 489398

Ion Ratio Lower Upper

278 100

139 16.2 13.0 19.4

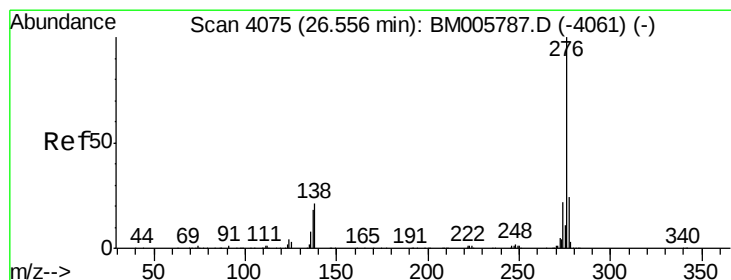
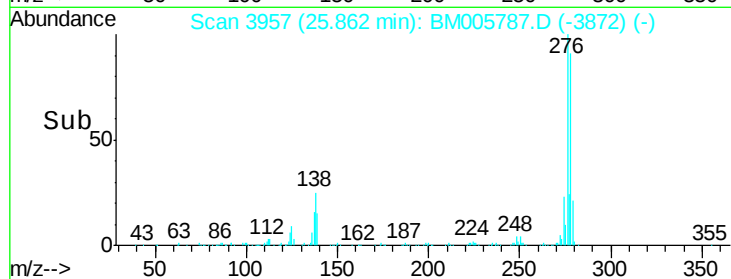
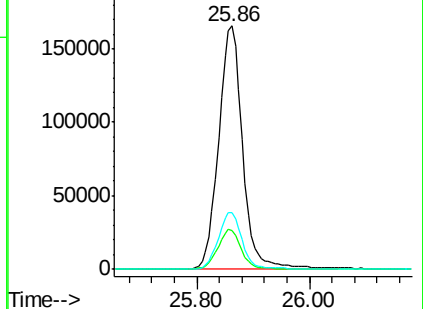
279 23.5 18.8 28.2



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



#41

Benzo(g,h,i)perylene

Concen: 23.28 ng/ul

RT: 26.56 min Scan# 4075

Delta R.T. 0.00 min

Lab File: BM005787.D

Acq: 14 Jun 2016 16:26

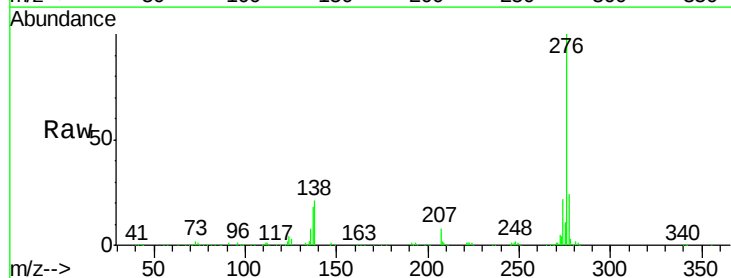
Tgt Ion:276 Resp: 501864

Ion Ratio Lower Upper

276 100

138 20.8 16.6 25.0

277 23.6 18.9 28.3



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

