

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081016\
 Data File : BM007009.D
 Acq On : 10 Aug 2016 20:35
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02043

Quant Time: Aug 10 22:09:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	292921	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1297090	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	807693	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	1949632	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2349657	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	2105120	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	47794	7.44	ng/uL	0.00
3) Phenol-d5	6.98	99	506308	19.42	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	287824	19.76	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	393020	19.87	ng/ul	0.00
6) 4-Methylphenol-d8	8.52	113	422294	19.13	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	191171	19.30	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	210357	18.54	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	446125	20.13	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	542734	20.95	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1361338	19.72	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	1693547	20.95	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	230324	18.59	ng/ul	0.00
21) Fluorene-d10	15.44	176	1196422	20.39	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	183261	17.34	ng/ul	0.00
26) Anthracene-d10	17.29	188	1897280	20.89	ng/ul	0.00
30) Pyrene-d10	19.58	212	2213654	20.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	2011455	20.78	ng/ul	0.00

Target Compounds

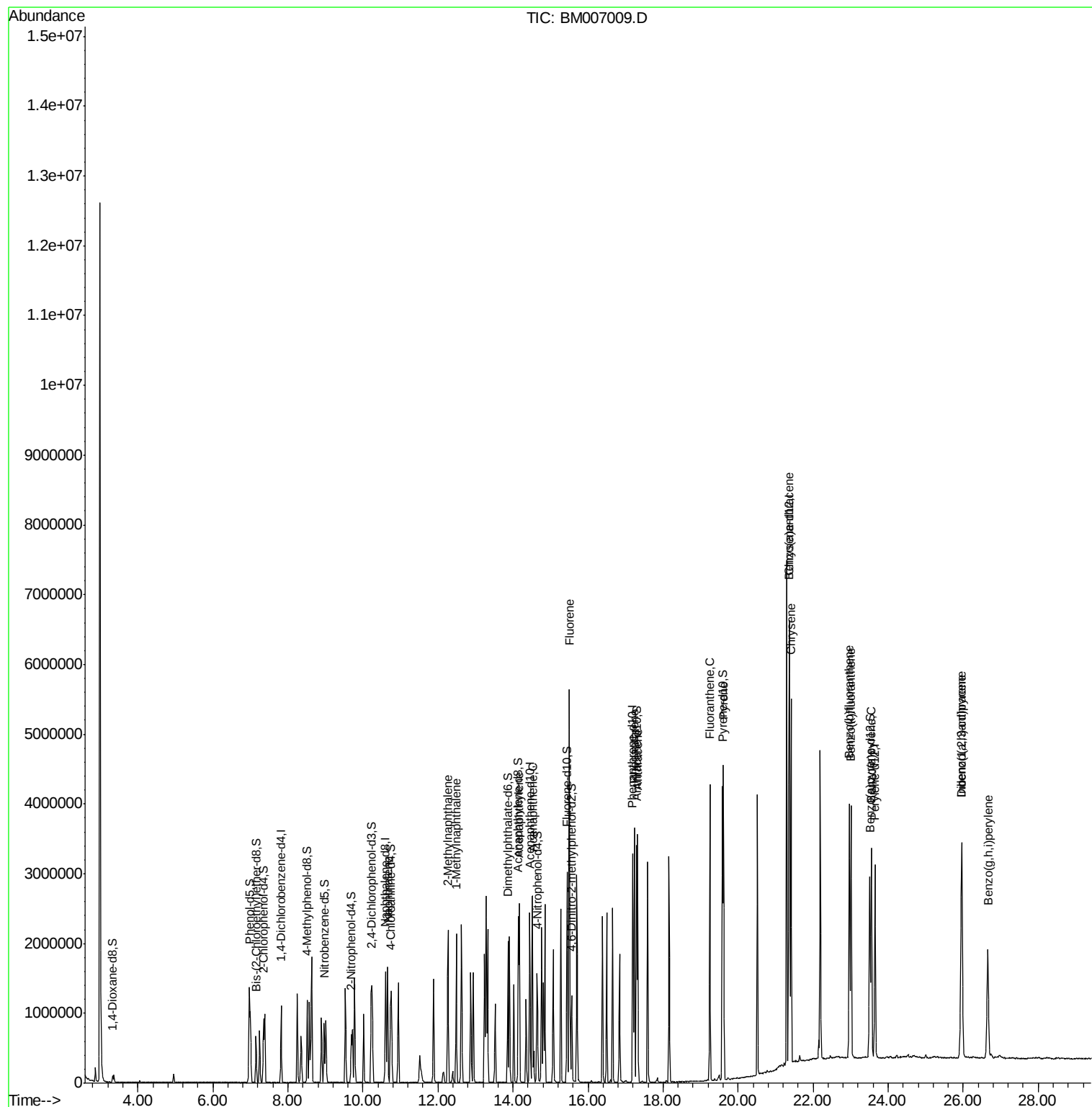
						Qvalue
11) Naphthalene	10.66	128	1328322	20.42	ng/ul	99
13) 2-Methylnaphthalene	12.27	142	1037938	20.15	ng/ul	100
14) 1-Methylnaphthalene	12.49	142	982684	19.89	ng/ul	99
18) Acenaphthylene	14.17	152	1755193	21.00	ng/ul	99
19) Acenaphthene	14.52	153	1120567	20.74	ng/ul	99
22) Fluorene	15.50	166	1325672	20.67	ng/ul	97
25) Phenanthrene	17.23	178	2178558	20.86	ng/ul	100
27) Anthracene	17.33	178	2248785	20.84	ng/ul	99
28) Fluoranthene	19.24	202	2745205	20.87	ng/ul	99
31) Pyrene	19.61	202	2848903	20.90	ng/ul	100
32) Benzo(a)anthracene	21.36	228	2882895	20.84	ng/ul	99
33) Chrysene	21.41	228	2612956	20.81	ng/ul	99
35) Benzo(b)fluoranthene	22.97	252	2683754	20.52	ng/ul	100
36) Benzo(k)fluoranthene	23.01	252	2677484	21.67	ng/ul	99
38) Benzo(a)pyrene	23.56	252	2479127	20.61	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.96	276	2538884	21.28	ng/ul	99
40) Dibenzo(a,h)anthracene	25.97	278	2150122	21.77	ng/ul	99
41) Benzo(g,h,i)perylene	26.66	276	2081552	21.22	ng/ul	98

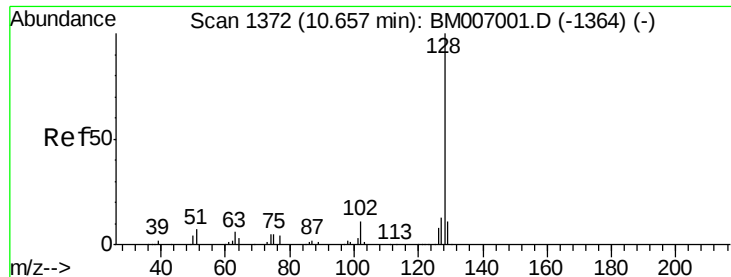
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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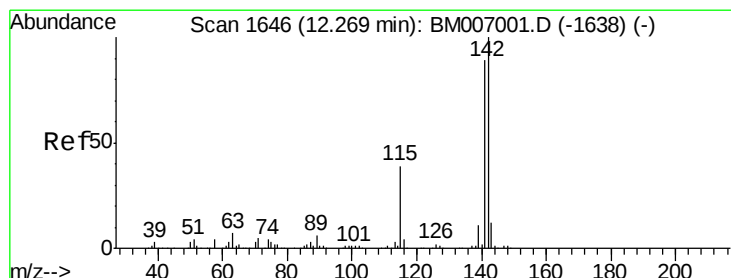
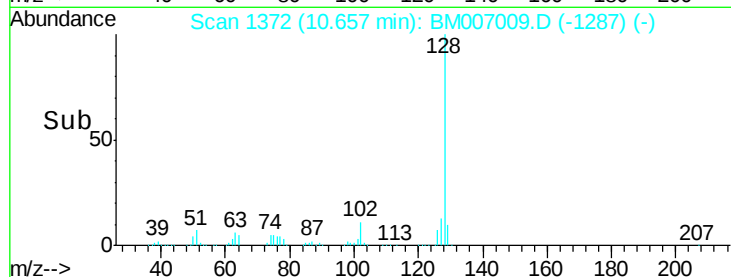
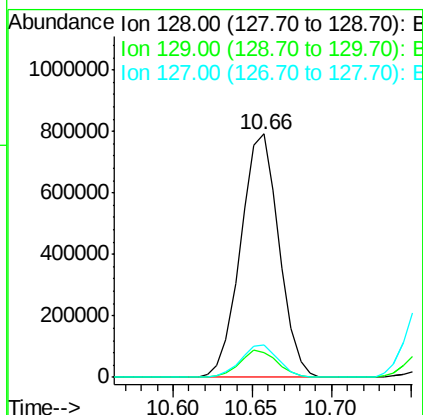
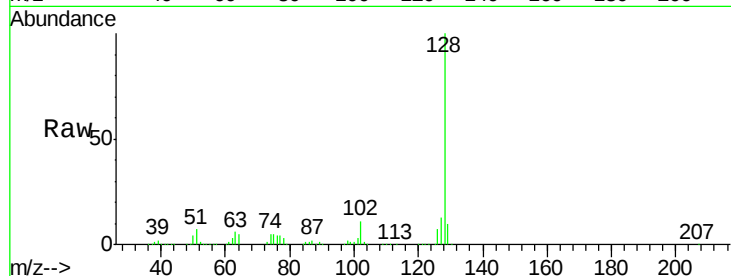




#11
Naphthalene
Concen: 20.42 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BM007009.D
Acq: 10 Aug 2016 20:35

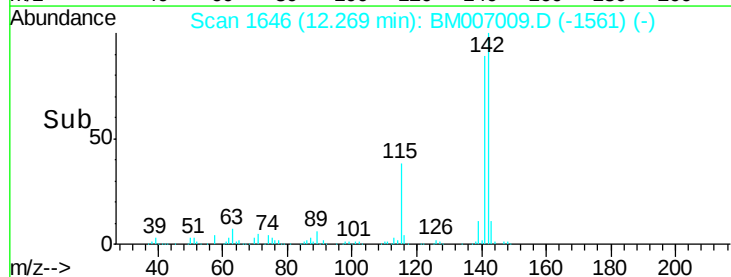
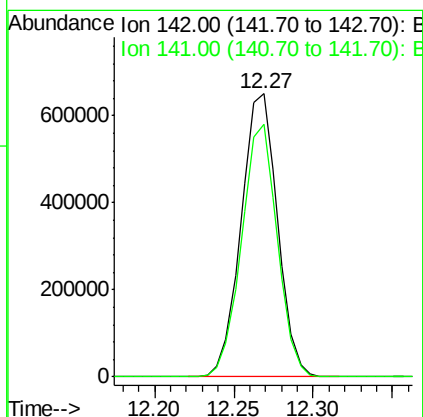
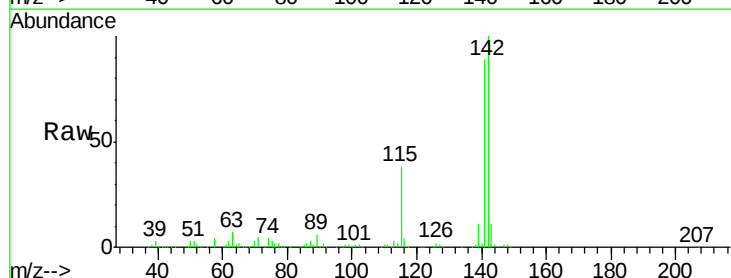
Instrument :
BNA_M
ClientSampleId :
SSTD02043

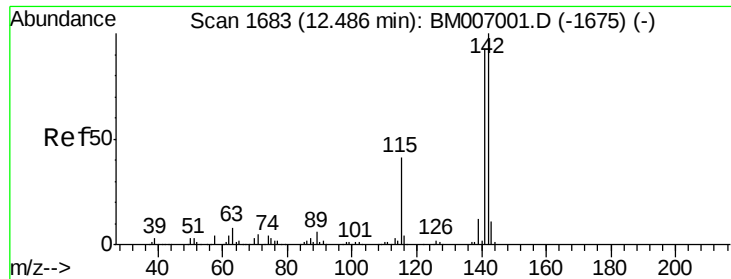
Tgt Ion:128 Resp: 1328322
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 13.1 10.4 15.6



#13
2-Methylnaphthalene
Concen: 20.15 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BM007009.D
Acq: 10 Aug 2016 20:35

Tgt Ion:142 Resp: 1037938
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6

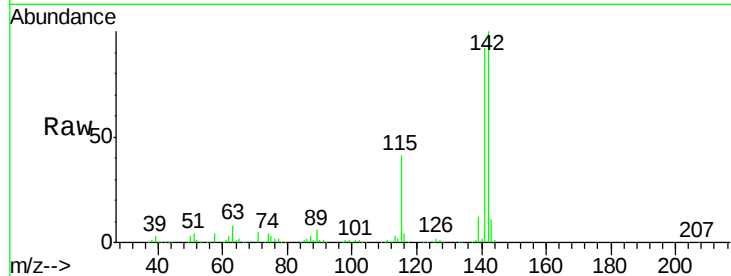




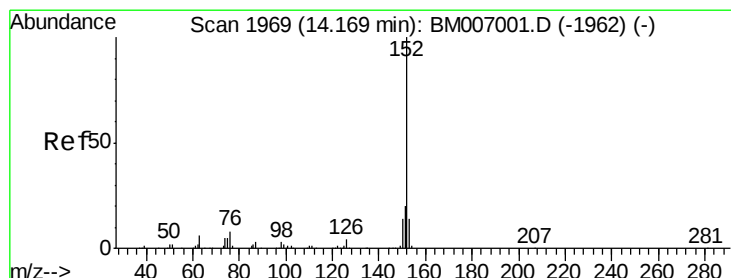
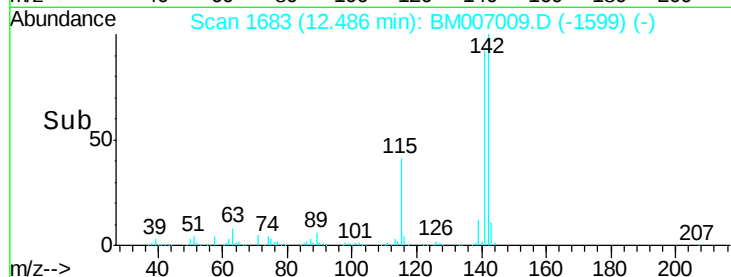
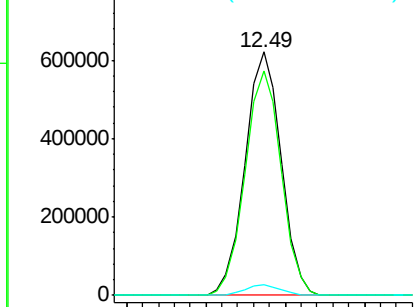
#14
 1-Methylnaphthalene
 Concen: 19.89 ng/ul
 RT: 12.49 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: BM007009.D
 Acq: 10 Aug 2016 20:35

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02043

Tgt Ion:142 Resp: 982684
 Ion Ratio Lower Upper
 142 100
 141 91.9 74.4 111.6
 116 4.4 3.2 4.8

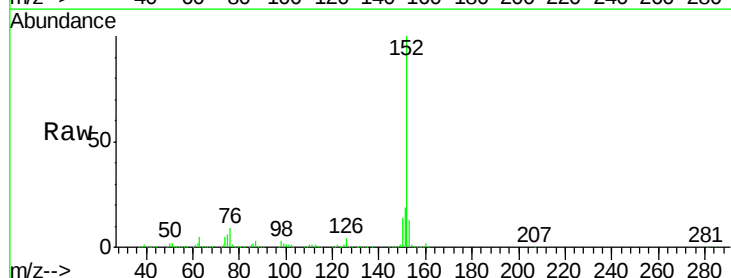


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

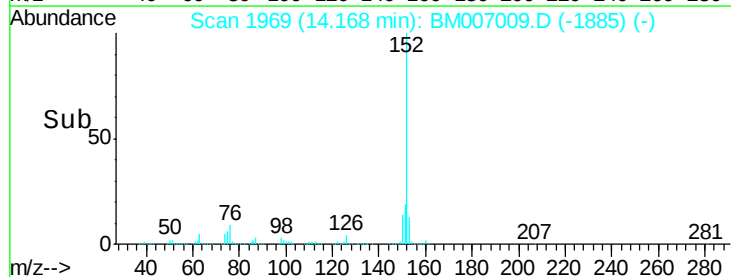
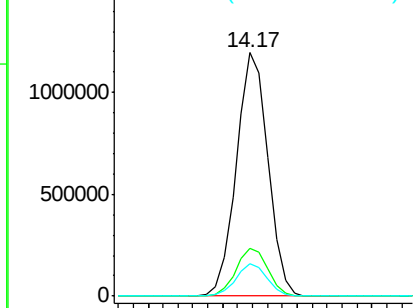


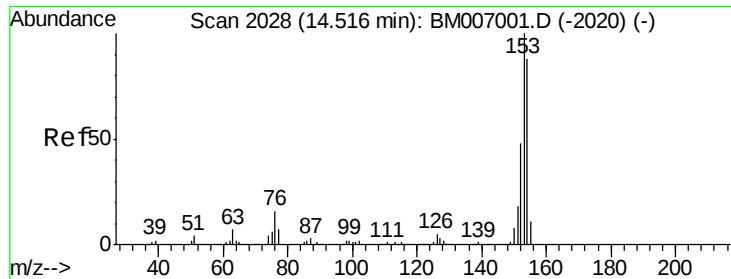
#18
 Acenaphthylene
 Concen: 21.00 ng/ul
 RT: 14.17 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BM007009.D
 Acq: 10 Aug 2016 20:35

Tgt Ion:152 Resp: 1755193
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.1 24.1
 153 13.3 10.4 15.6



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





#19

Acenaphthene

Concen: 20.74 ng/ul

RT: 14.52 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

Instrument :

BNA_M

ClientSampleId :

SSTD02043

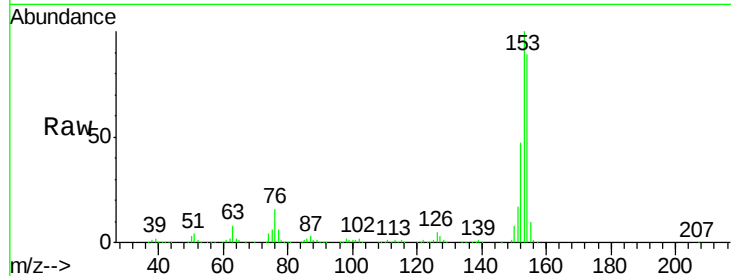
Tgt Ion:153 Resp: 1120567

Ion Ratio Lower Upper

153 100

152 47.3 37.0 55.6

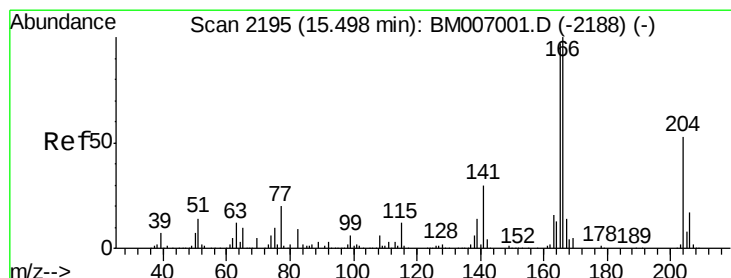
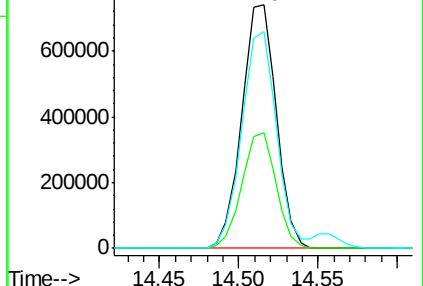
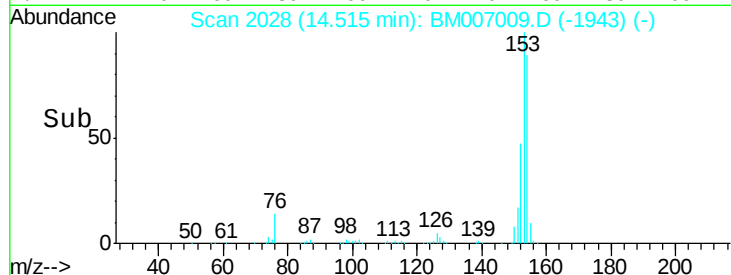
154 88.8 70.9 106.3



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: 20.67 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

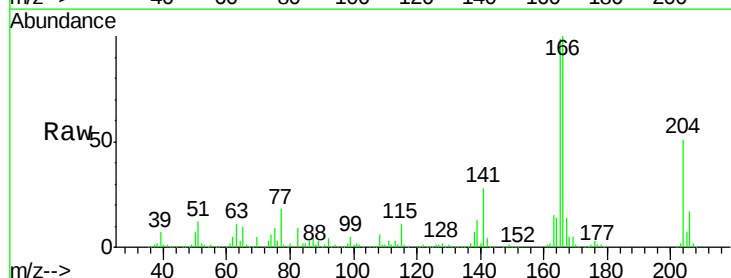
Tgt Ion:166 Resp: 1325672

Ion Ratio Lower Upper

166 100

165 99.0 76.6 115.0

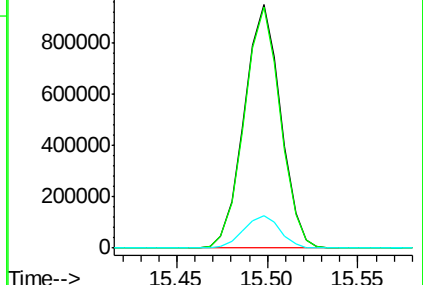
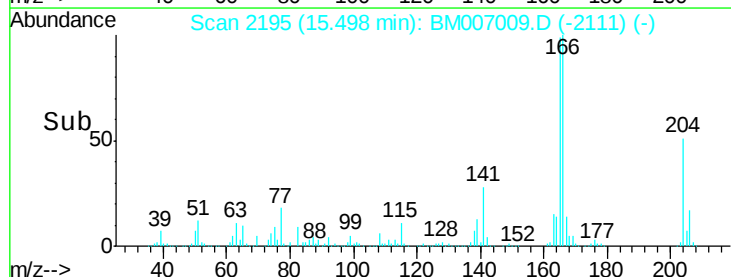
167 13.6 10.7 16.1

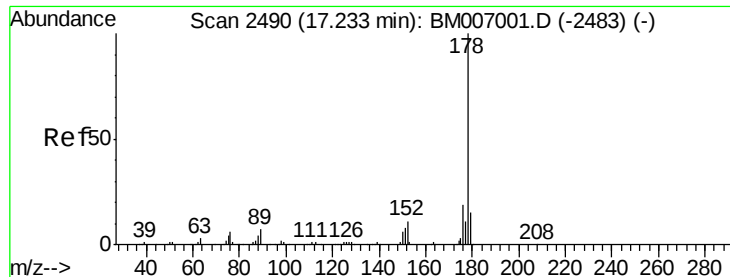


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.86 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

Instrument :

BNA_M

ClientSampleId :

SSTD02043

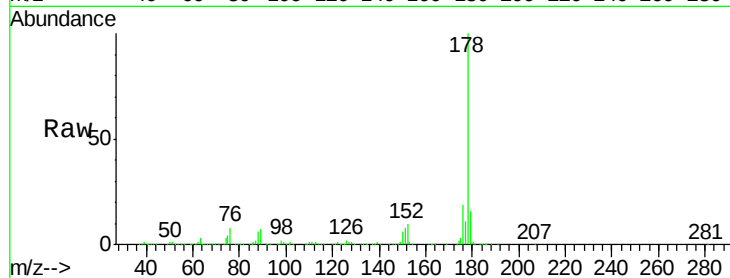
Tgt Ion:178 Resp: 2178558

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

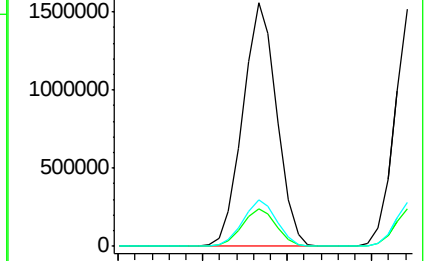
176 19.0 15.2 22.8



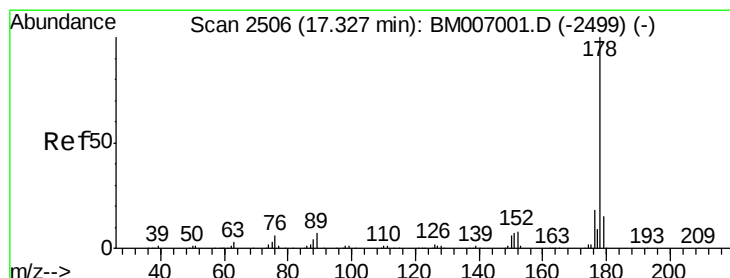
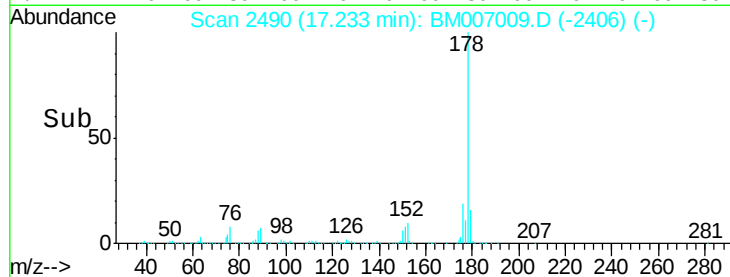
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.15 17.20 17.25 17.30



#27

Anthracene

Concen: 20.84 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

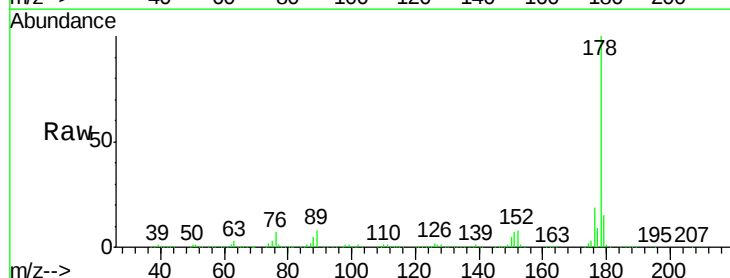
Tgt Ion:178 Resp: 2248785

Ion Ratio Lower Upper

178 100

179 15.1 12.5 18.7

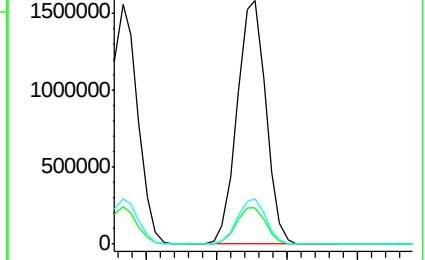
176 18.6 15.0 22.4



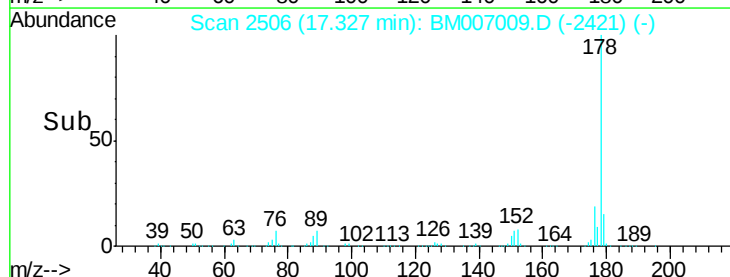
Abundance Ion 178.00 (177.70 to 178.70): E

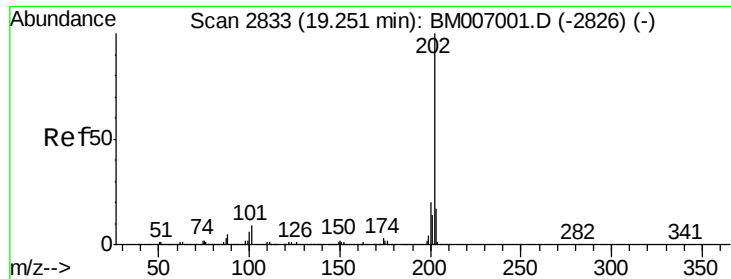
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.25 17.30 17.35 17.40





#28

Fluoranthene

Concen: 20.87 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

Instrument :

BNA_M

ClientSampleId :

SSTD02043

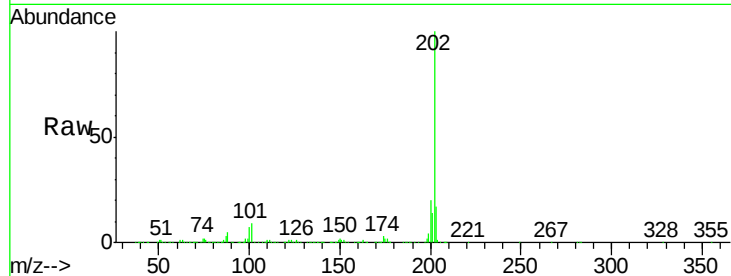
Tgt Ion:202 Resp: 2745205

Ion Ratio Lower Upper

202 100

101 9.1 7.4 11.2

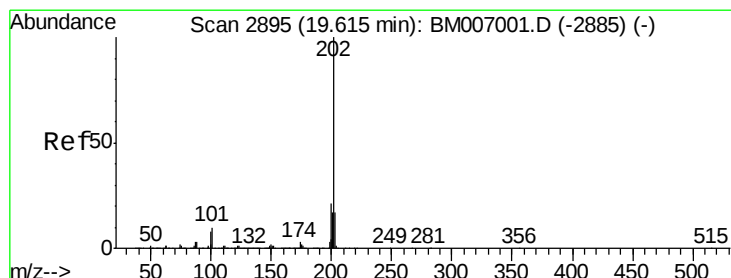
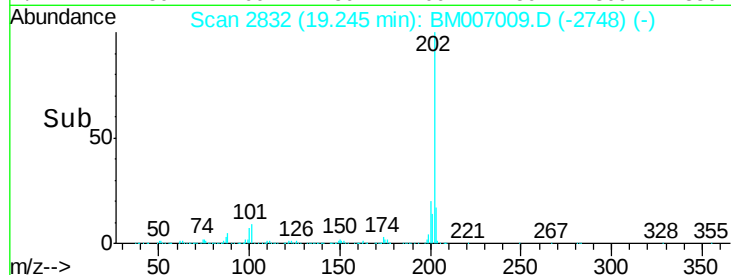
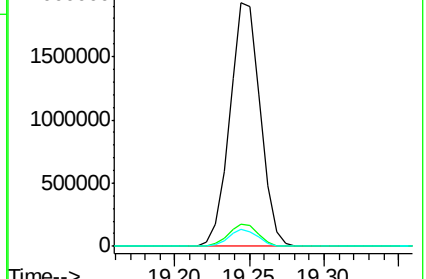
100 6.9 5.8 8.6



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



#31

Pyrene

Concen: 20.90 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

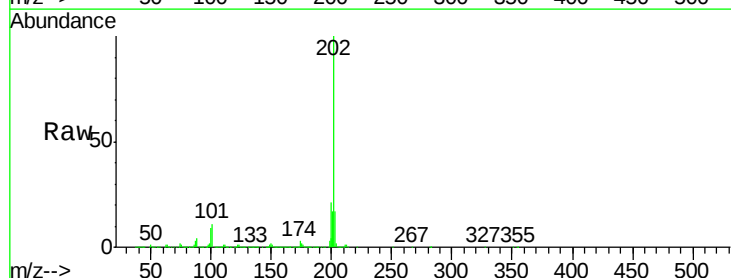
Tgt Ion:202 Resp: 2848903

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

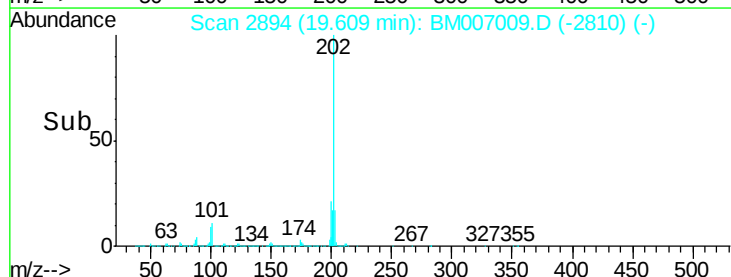
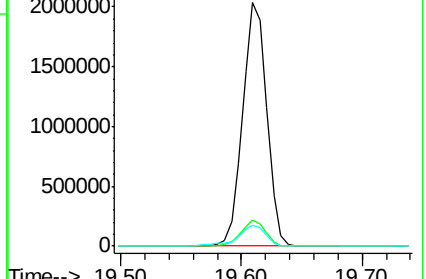
100 8.8 7.1 10.7

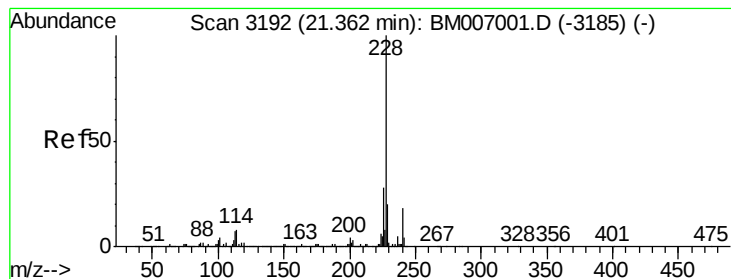


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.84 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

Instrument :

BNA_M

ClientSampled :

SSTD02043

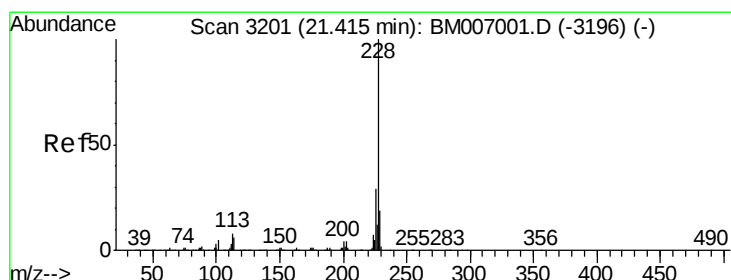
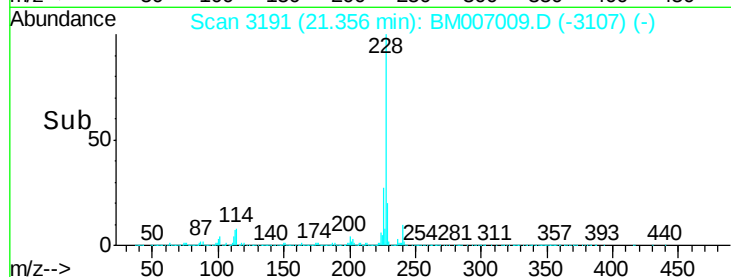
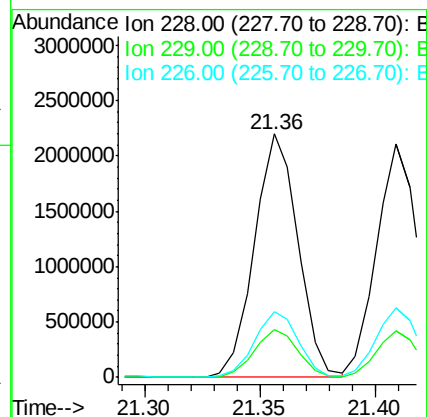
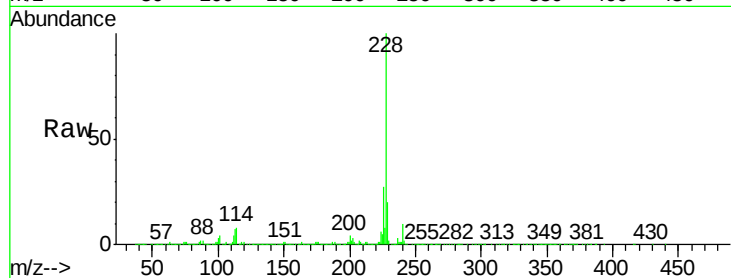
Tgt Ion:228 Resp: 2882895

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

226 26.9 21.9 32.9



#33

Chrysene

Concen: 20.81 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

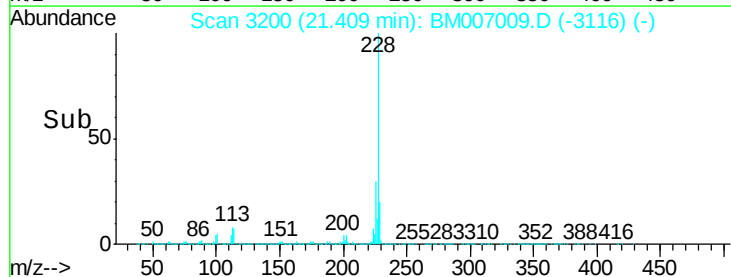
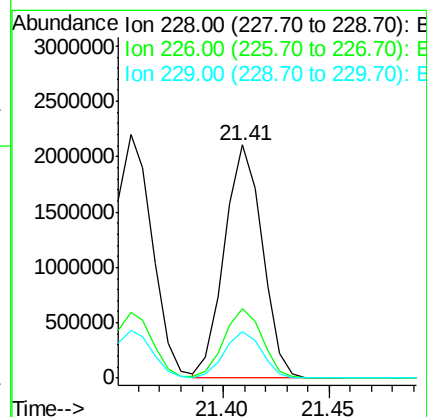
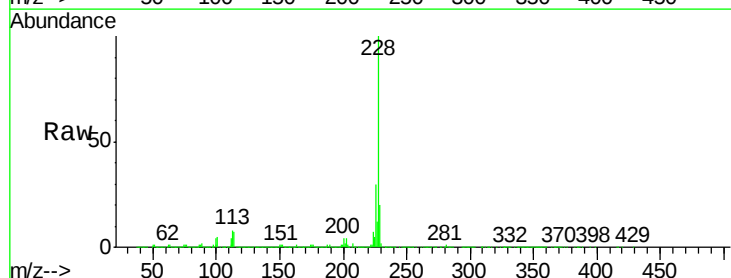
Tgt Ion:228 Resp: 2612956

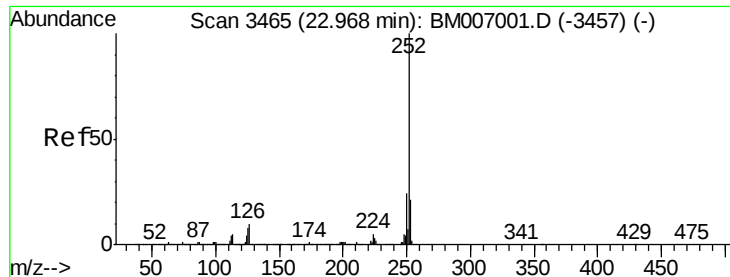
Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

229 19.7 15.9 23.9





#35

Benzo(b)fluoranthene

Concen: 20.52 ng/ul

RT: 22.97 min Scan# 3465

Delta R.T. 0.00 min

Lab File: BM007009.D

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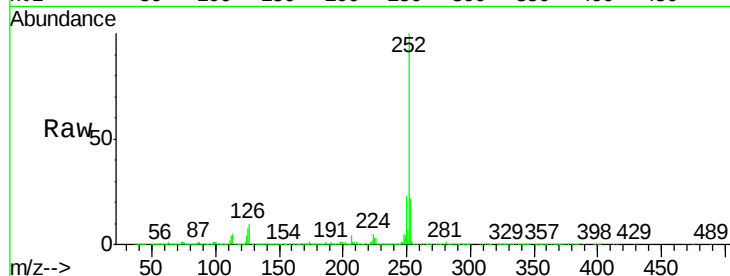
Tgt Ion:252 Resp: 2683754

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

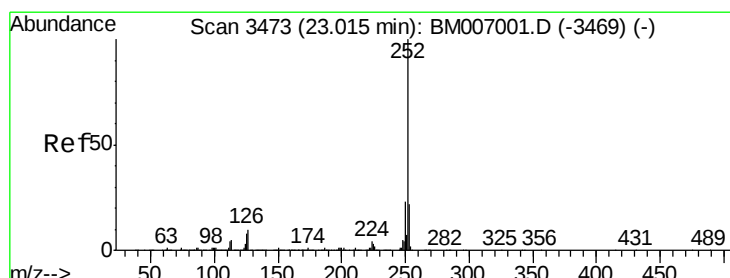
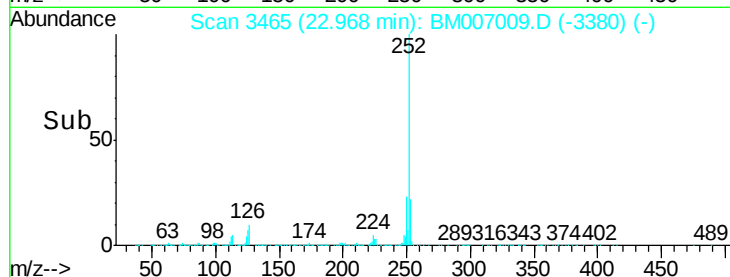
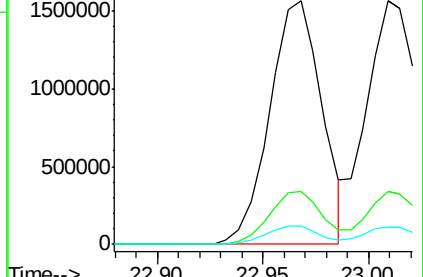
125 7.5 6.0 9.0



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: 21.67 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

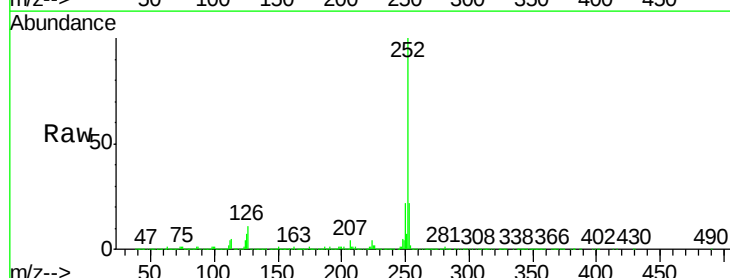
Tgt Ion:252 Resp: 2677484

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

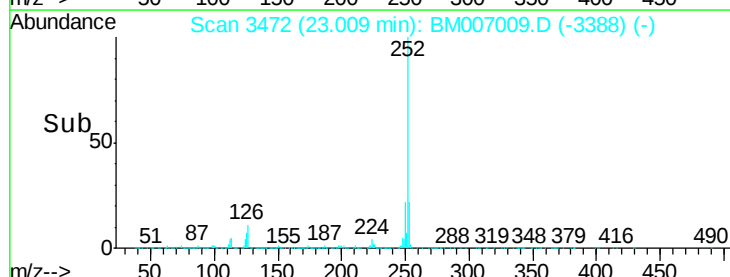
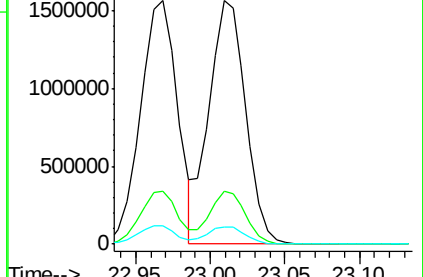
125 7.1 6.2 9.4

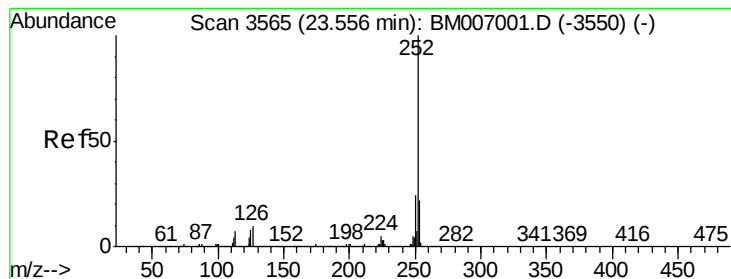


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

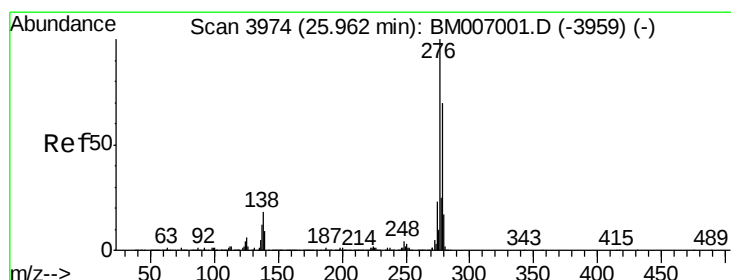
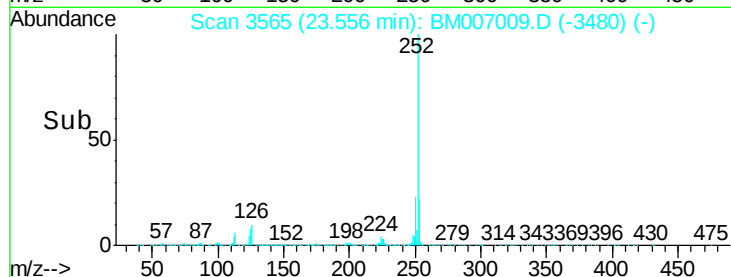
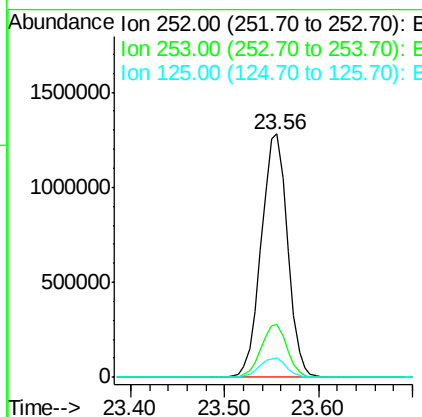
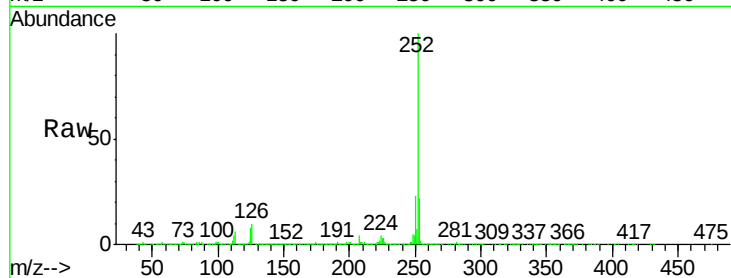




#38
Benzo(a)pyrene
Concen: 20.61 ng/ul
RT: 23.56 min Scan# 3565
Delta R.T. 0.00 min
Lab File: BM007009.D
Acq: 10 Aug 2016 20:35

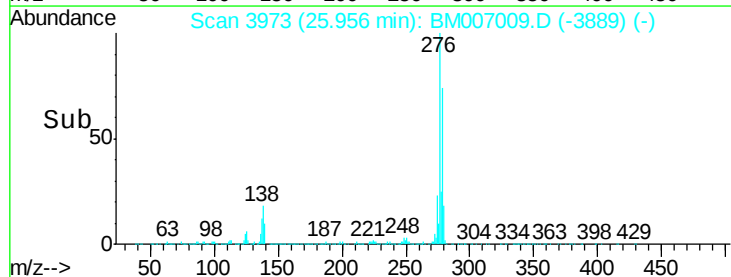
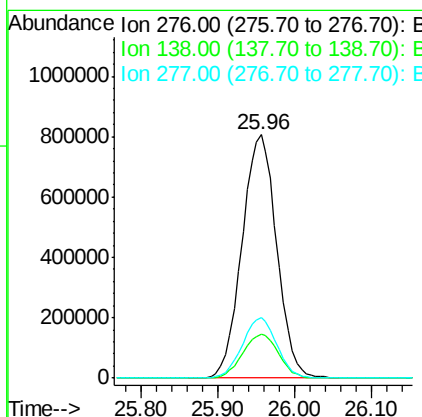
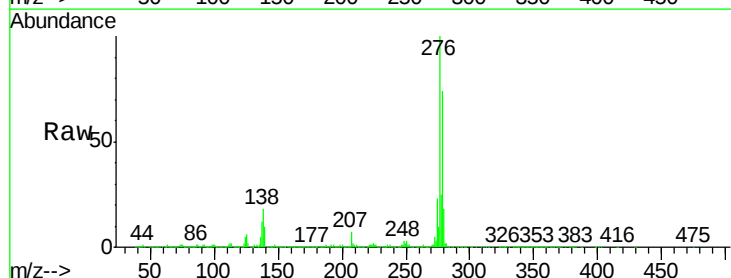
Instrument :
BNA_M
ClientSampleId :
SSTD02043

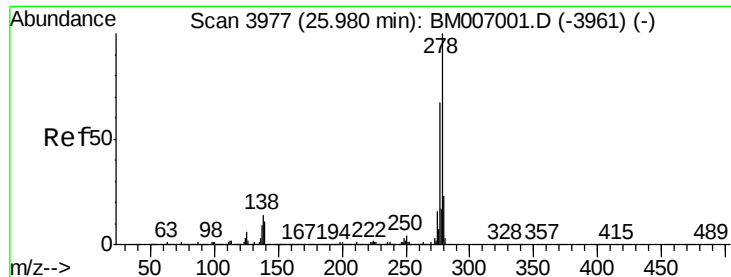
Tgt Ion:252 Resp: 2479127
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 7.8 6.8 10.2



#39
Indeno(1,2,3-cd)pyrene
Concen: 21.28 ng/ul
RT: 25.96 min Scan# 3973
Delta R.T. -0.01 min
Lab File: BM007009.D
Acq: 10 Aug 2016 20:35

Tgt Ion:276 Resp: 2538884
Ion Ratio Lower Upper
276 100
138 18.2 14.9 22.3
277 25.1 19.8 29.6





#40

Dibenzo(a,h)anthracene

Concen: 21.77 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

Instrument :

BNA_M

ClientSampleId :

SSTD02043

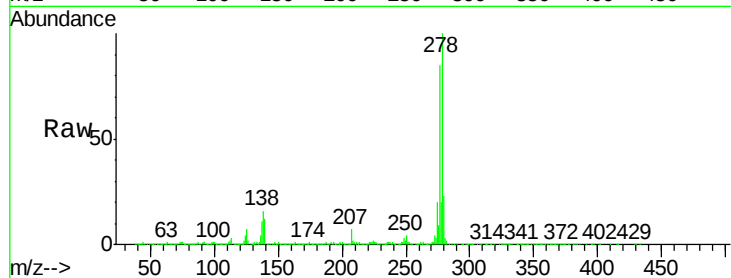
Tgt Ion:278 Resp: 2150122

Ion Ratio Lower Upper

278 100

139 12.0 10.3 15.5

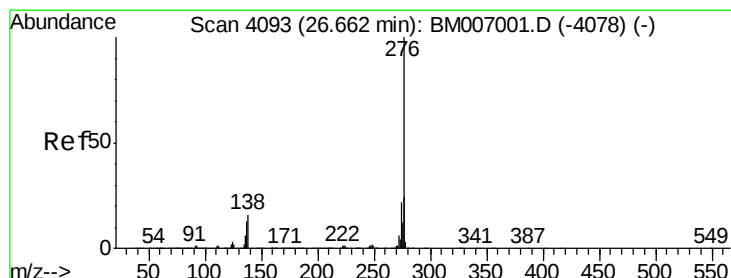
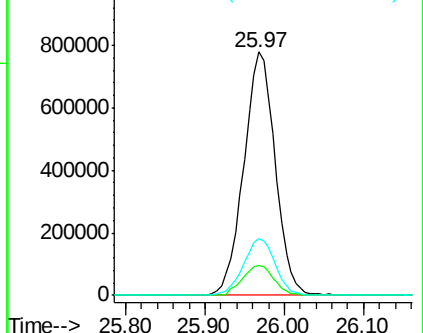
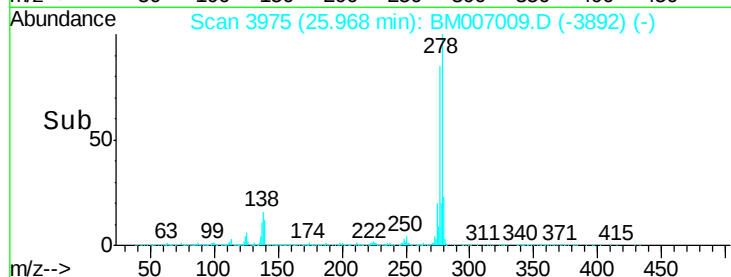
279 23.2 18.8 28.2



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: 21.22 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007009.D

Acq: 10 Aug 2016 20:35

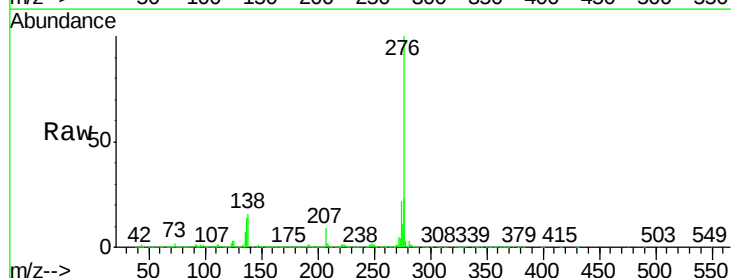
Tgt Ion:276 Resp: 2081552

Ion Ratio Lower Upper

276 100

138 16.3 14.0 21.0

277 23.5 19.6 29.4



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

