

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061016\
 Data File : BM005724.D
 Acq On : 11 Jun 2016 03:40
 Operator : UM/SJ
 Sample : SSTD00539
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD00539

Quant Time: Jun 11 05:18:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 05:17:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	72663	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	370115	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	245778	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	569220	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	622052	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	509477	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3875	2.26	ng/uL	0.00
3) Phenol-d5	6.93	99	27162	4.27	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	19666	5.09	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	24107	4.59	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	21259	4.16	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	12105	4.29	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	13352	4.36	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	26185	4.82	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	34557	5.26	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	108141	5.62	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	131290	5.32	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	9290	3.34	ng/ul	0.02
21) Fluorene-d10	15.38	176	93002	5.64	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	9648	3.49	ng/ul	0.00
26) Anthracene-d10	17.23	188	147912	5.48	ng/ul	0.00
30) Pyrene-d10	19.53	212	162362	5.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	124168	5.29	ng/ul	0.00

Target Compounds

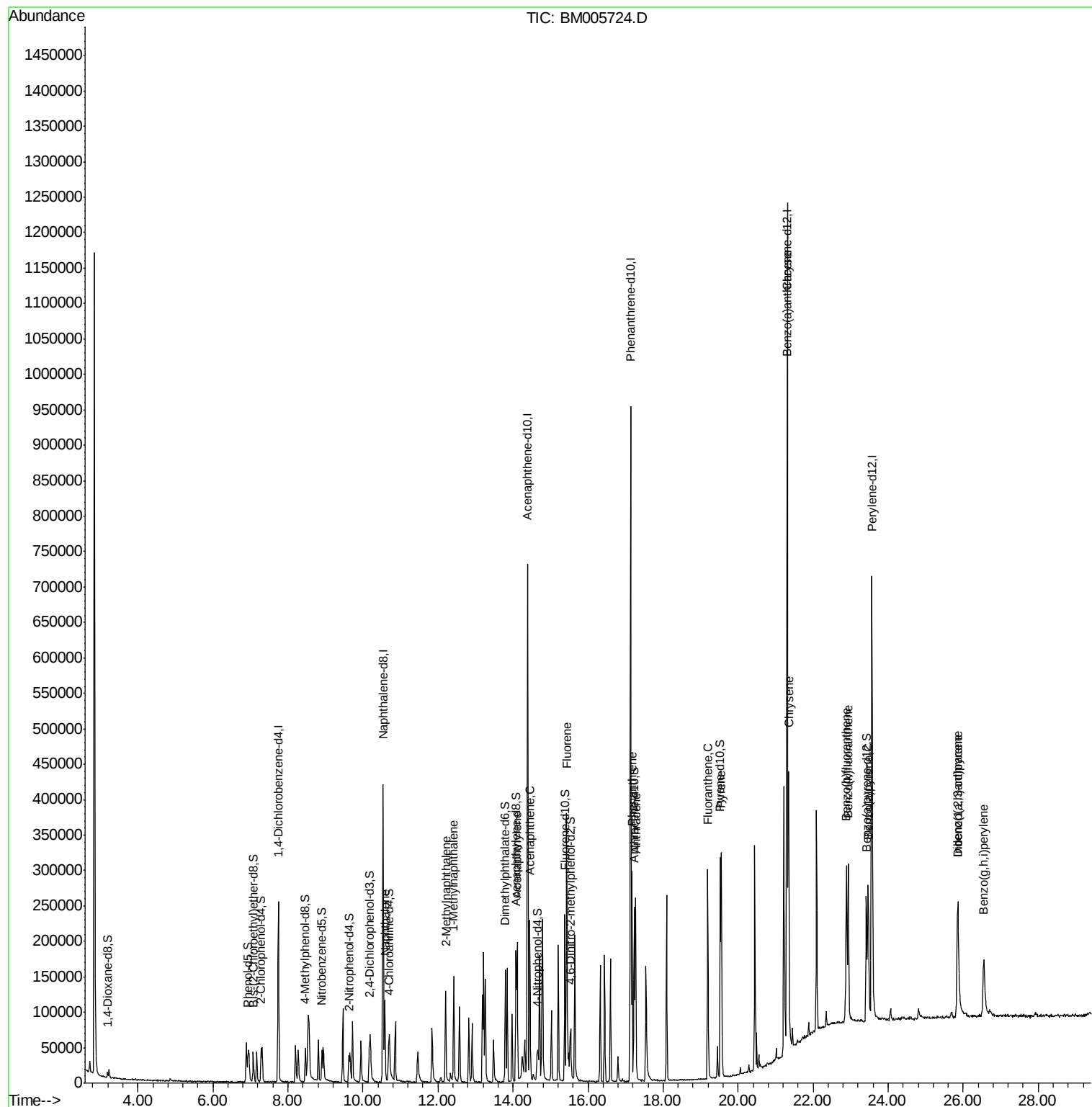
					Qvalue
11) Naphthalene	10.59	128	101141	5.39 ng/ul	100
13) 2-Methylnaphthalene	12.20	142	75111	5.66 ng/ul	97
14) 1-Methylnaphthalene	12.42	142	74966	5.73 ng/ul	100
18) Acenaphthylene	14.11	152	137203	5.40 ng/ul	98
19) Acenaphthene	14.45	153	89935	5.44 ng/ul	99
22) Fluorene	15.44	166	105467	5.83 ng/ul	99
25) Phenanthrene	17.17	178	170586	5.43 ng/ul	99
27) Anthracene	17.27	178	169403	5.30 ng/ul	99
28) Fluoranthene	19.19	202	198926	6.02 ng/ul	100
31) Pyrene	19.56	202	205817	5.28 ng/ul	99
32) Benzo(a)anthracene	21.30	228	190995	5.26 ng/ul	99
33) Chrysene	21.35	228	193495	5.56 ng/ul	99
35) Benzo(b)fluoranthene	22.89	252	158237	5.17 ng/ul	100
36) Benzo(k)fluoranthene	22.93	252	173960	5.95 ng/ul	99
38) Benzo(a)pyrene	23.47	252	155123	5.28 ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.85	276	147522	4.39 ng/ul	96
40) Dibenzo(a,h)anthracene	25.86	278	124089	4.41 ng/ul	99
41) Benzo(g,h,i)perylene	26.56	276	124756	4.43 ng/ul	99

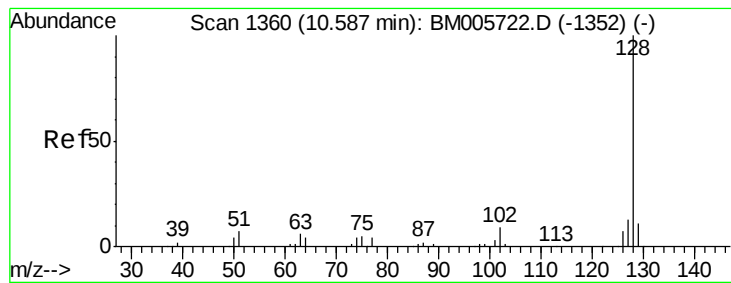
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 5.39 ng/ul

RT: 10.59 min Scan# 1360

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

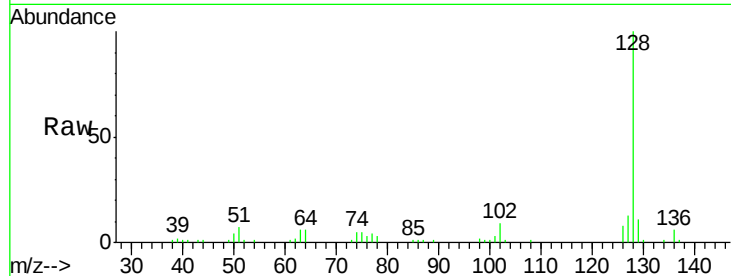
Tgt Ion:128 Resp: 101141

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

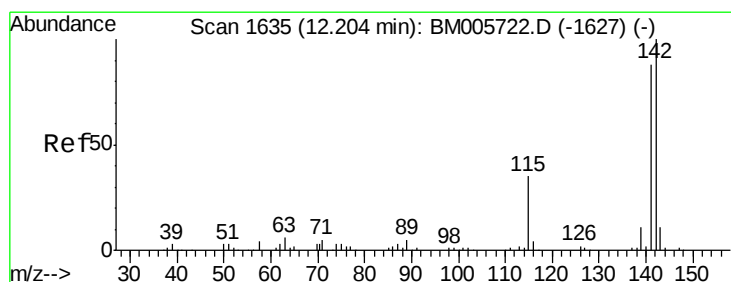
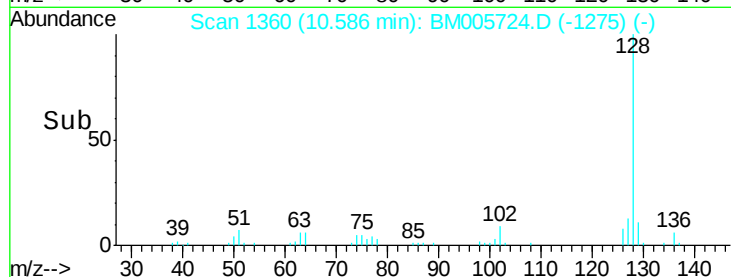
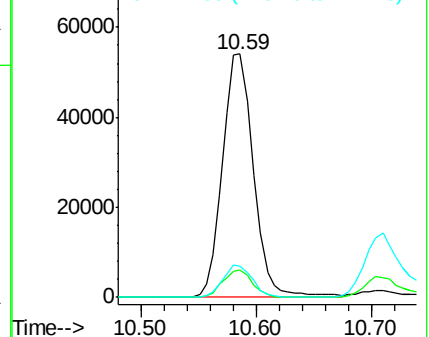
127 12.6 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

2-Methylnaphthalene

Concen: 5.66 ng/ul

RT: 12.20 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BM005724.D

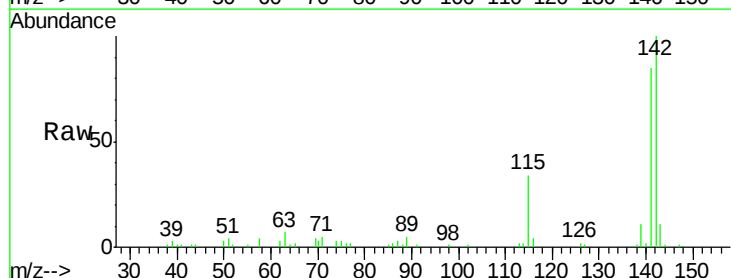
Acq: 11 Jun 2016 03:40

Tgt Ion:142 Resp: 75111

Ion Ratio Lower Upper

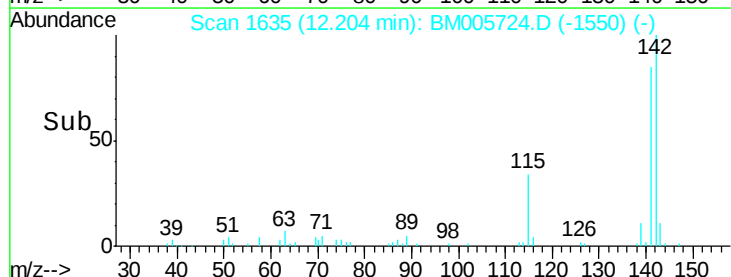
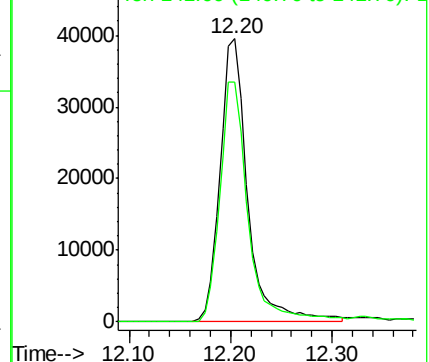
142 100

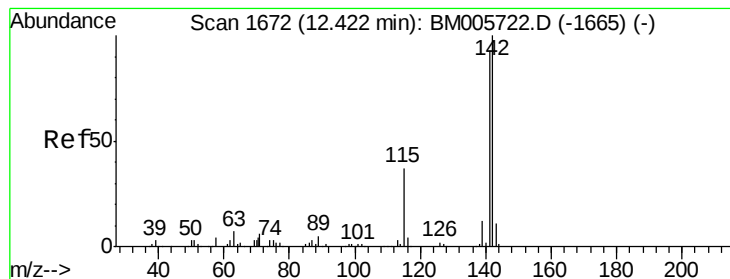
141 84.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 5.73 ng/ul

RT: 12.42 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

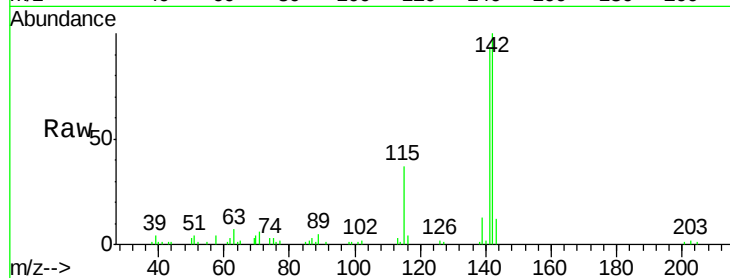
Tgt Ion:142 Resp: 74966

Ion Ratio Lower Upper

142 100

141 93.2 74.6 111.8

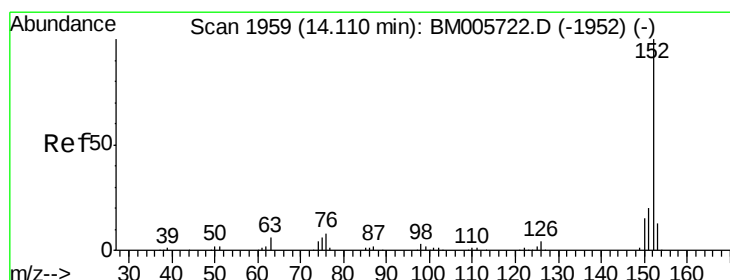
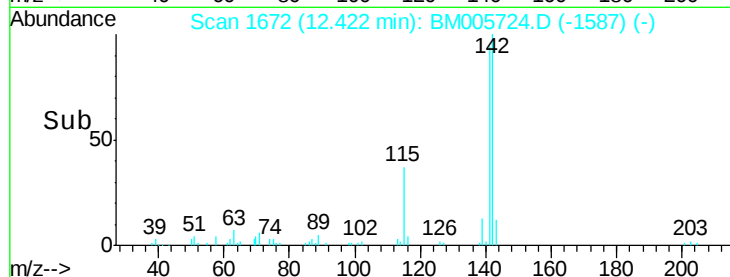
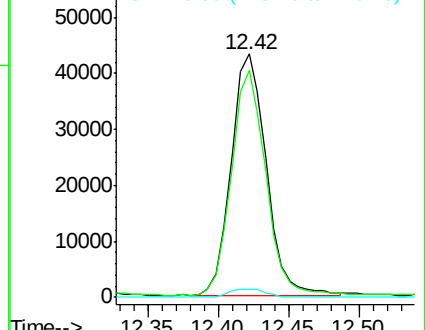
116 3.5 3.0 4.6



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: 5.40 ng/ul

RT: 14.11 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

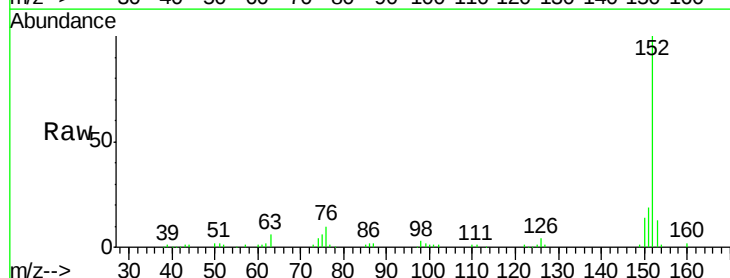
Tgt Ion:152 Resp: 137203

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

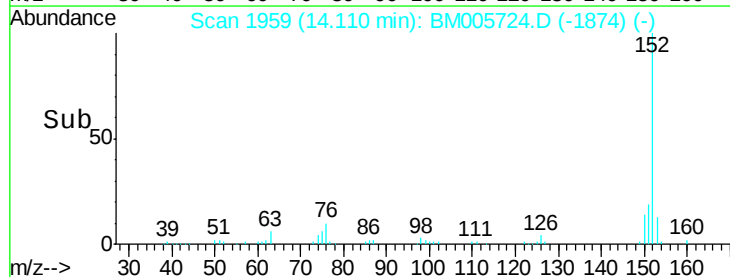
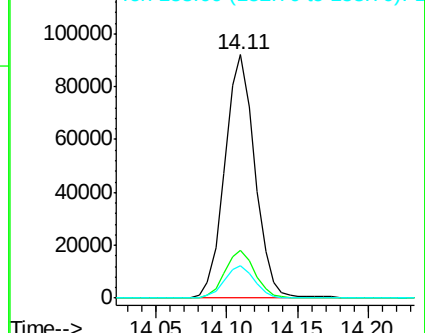
153 13.3 10.4 15.6

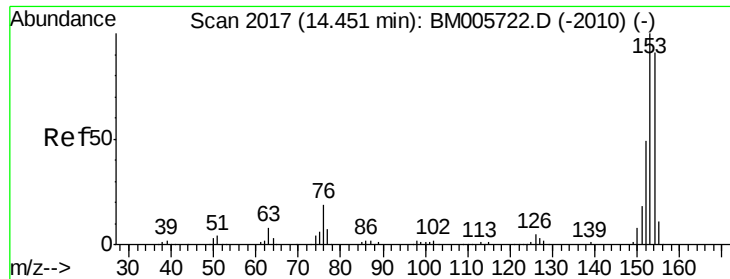


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 5.44 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

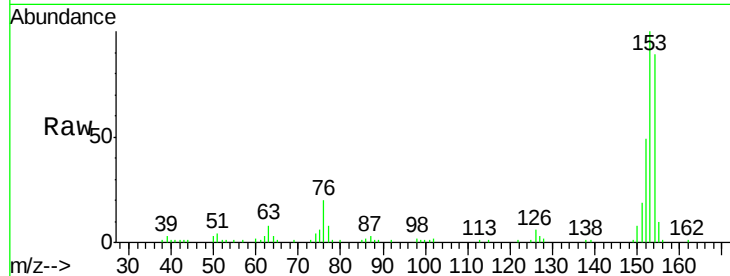
Tgt Ion:153 Resp: 89935

Ion Ratio Lower Upper

153 100

152 48.8 38.8 58.2

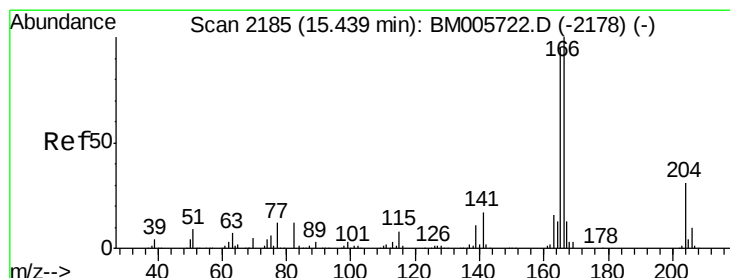
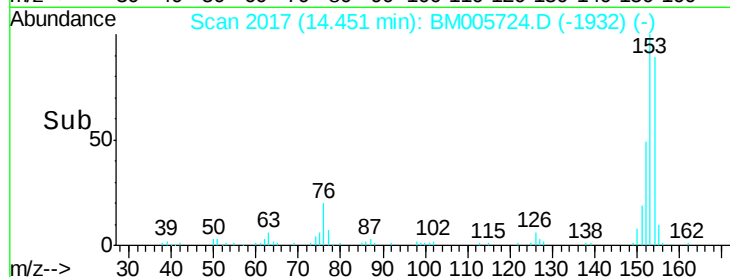
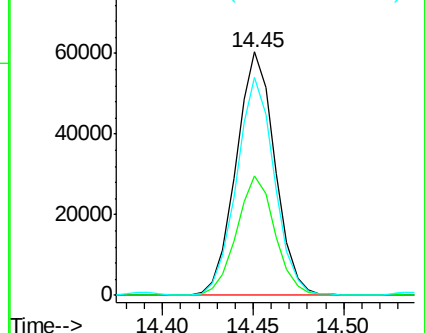
154 89.4 72.5 108.7



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: 5.83 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

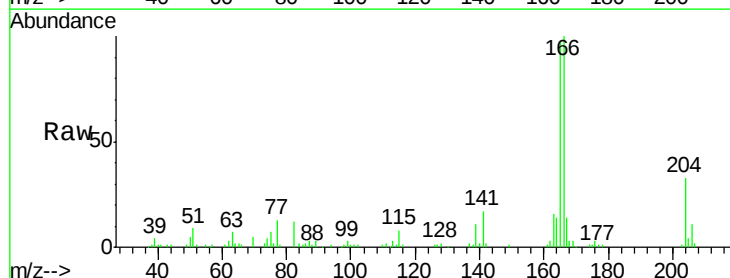
Tgt Ion:166 Resp: 105467

Ion Ratio Lower Upper

166 100

165 96.9 76.4 114.6

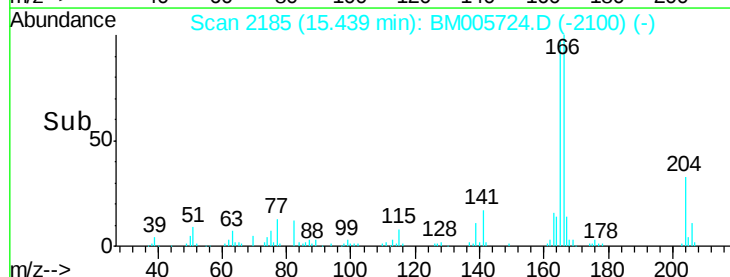
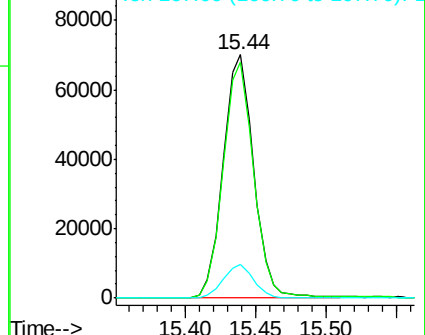
167 14.0 10.6 16.0

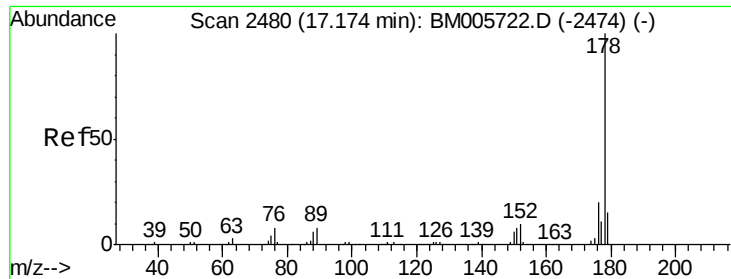


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 5.43 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

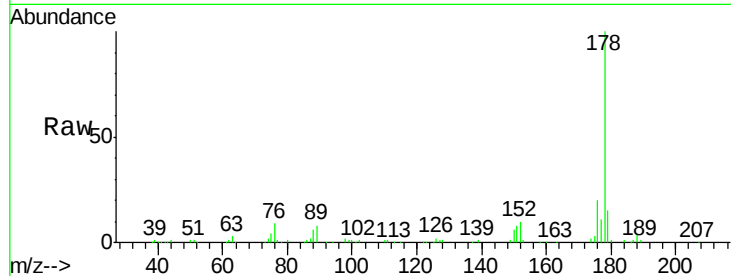
Tgt Ion:178 Resp: 170586

Ion Ratio Lower Upper

178 100

179 14.8 12.4 18.6

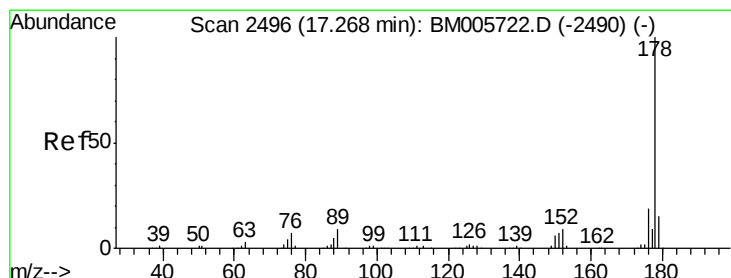
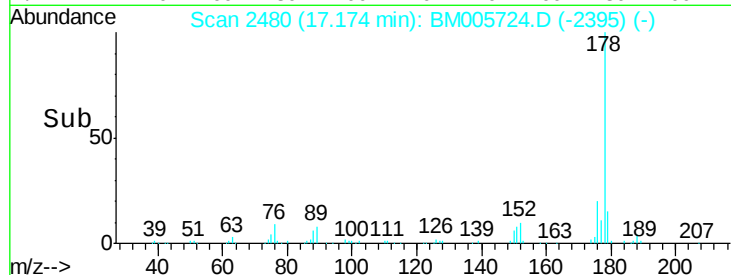
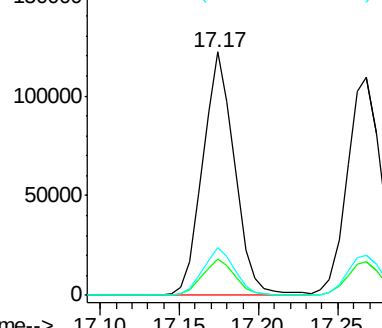
176 19.8 15.8 23.6



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



#27

Anthracene

Concen: 5.30 ng/ul

RT: 17.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

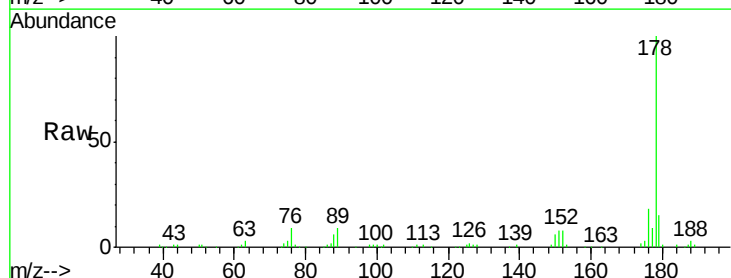
Tgt Ion:178 Resp: 169403

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

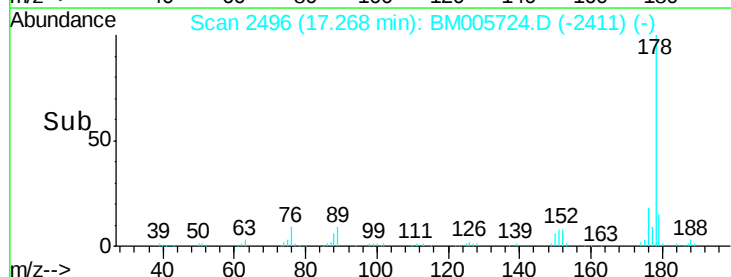
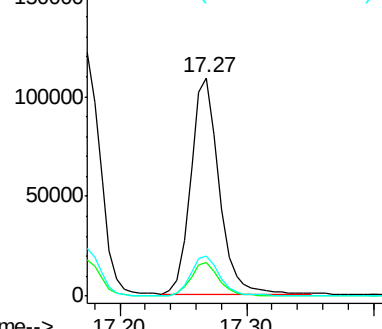
176 18.2 15.0 22.6

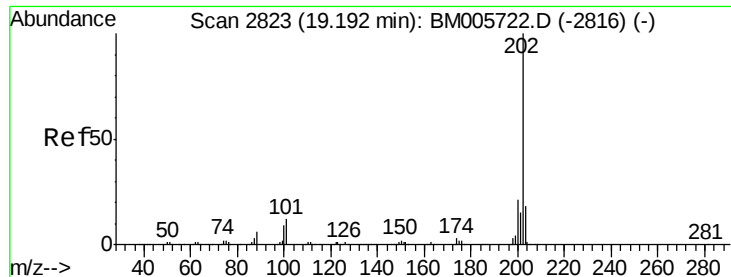


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

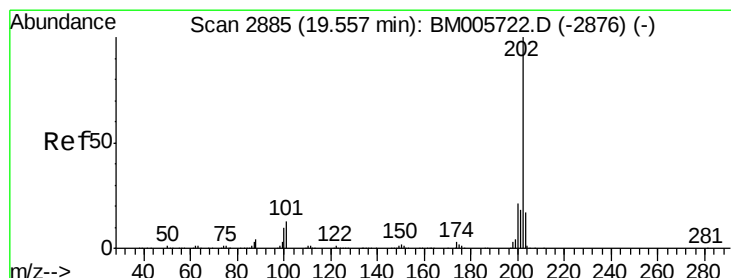
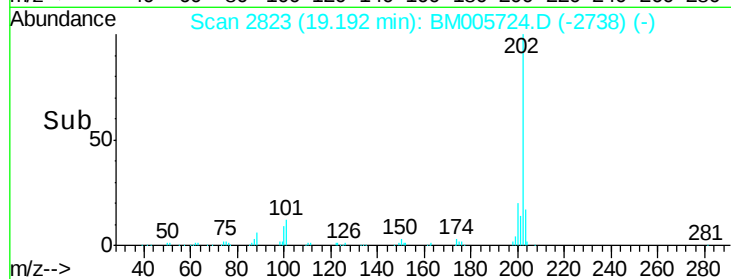
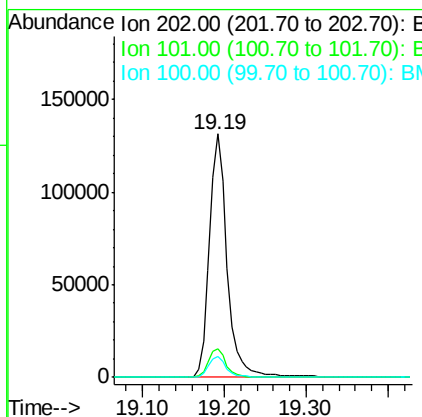
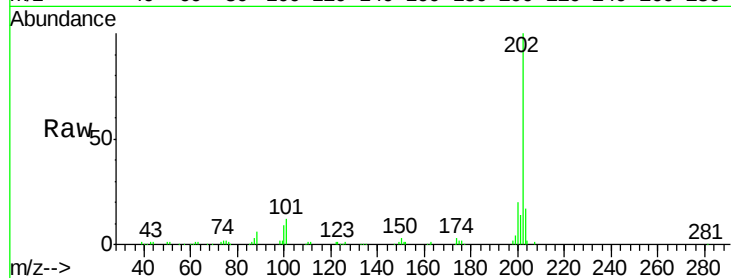




#28
Fluoranthene
Concen: 6.02 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.00 min
Lab File: BM005724.D
Acq: 11 Jun 2016 03:40

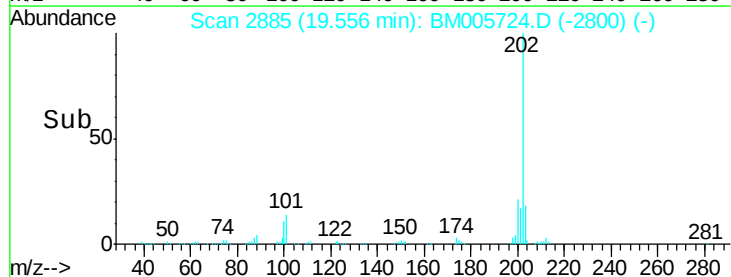
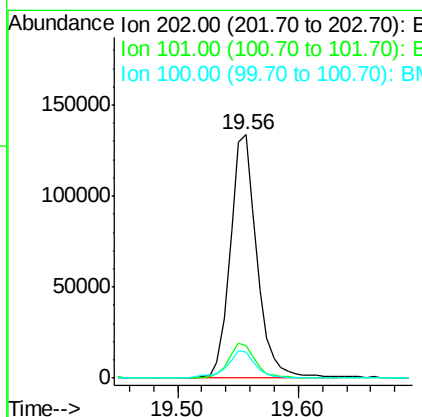
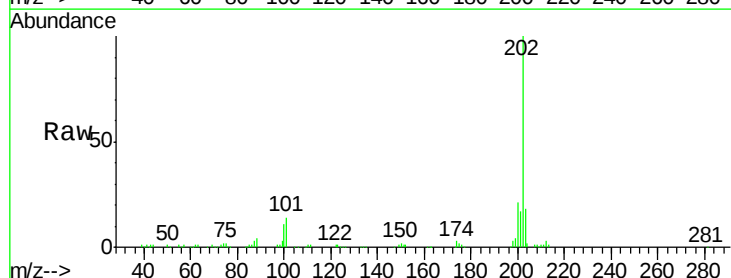
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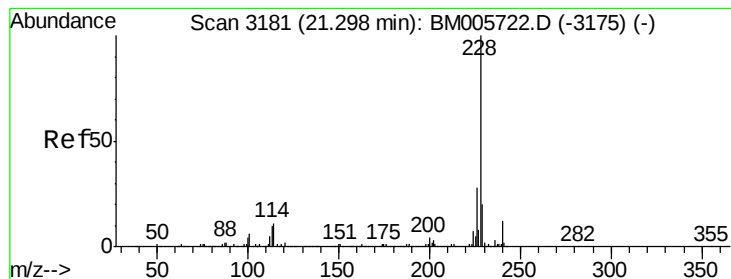
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.4	14.2
100	8.5	6.9	10.3



#31
Pyrene
Concen: 5.28 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. -0.00 min
Lab File: BM005724.D
Acq: 11 Jun 2016 03:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.6	15.8
100	10.8	8.4	12.6





#32

Benzo(a)anthracene

Concen: 5.26 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

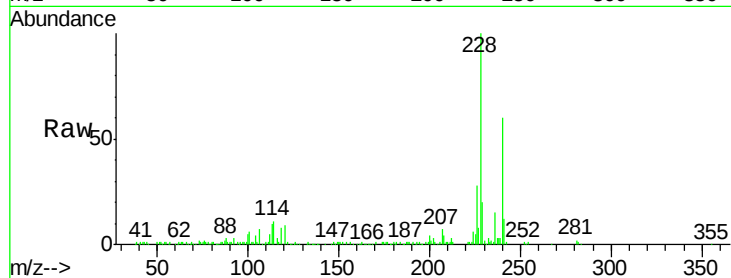
Tgt Ion:228 Resp: 190995

Ion Ratio Lower Upper

228 100

229 19.5 16.1 24.1

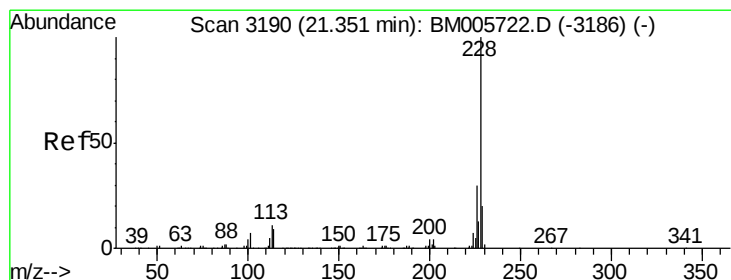
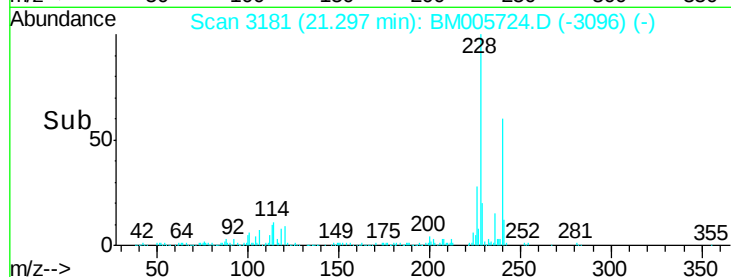
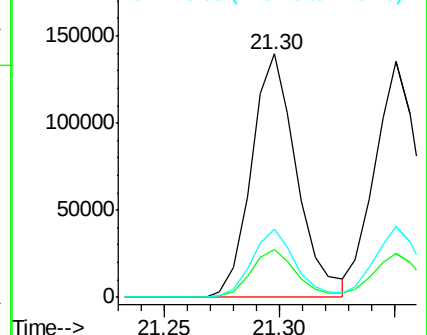
226 27.8 22.1 33.1



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



#33

Chrysene

Concen: 5.56 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

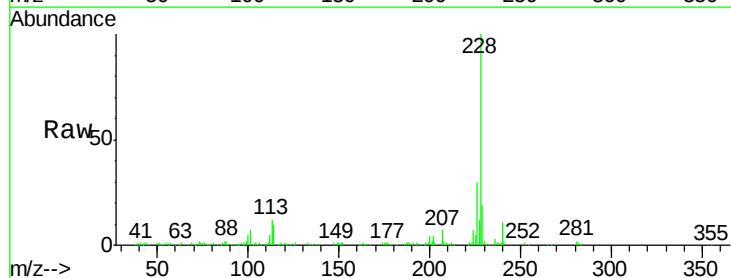
Tgt Ion:228 Resp: 193495

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

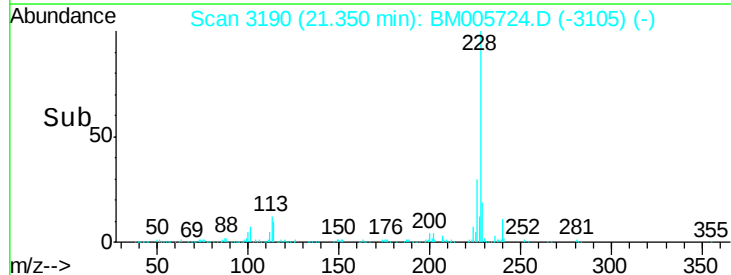
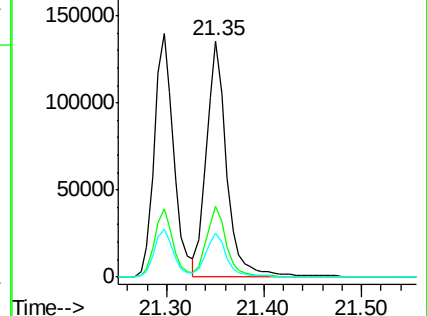
229 18.8 15.8 23.8

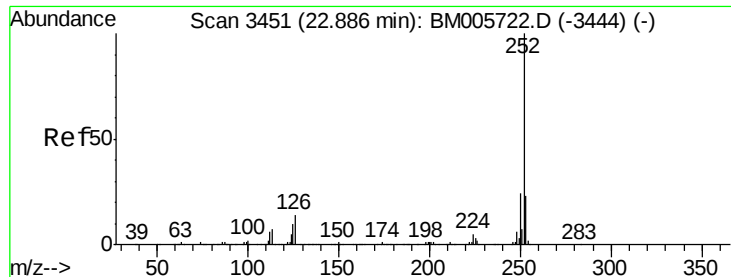


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

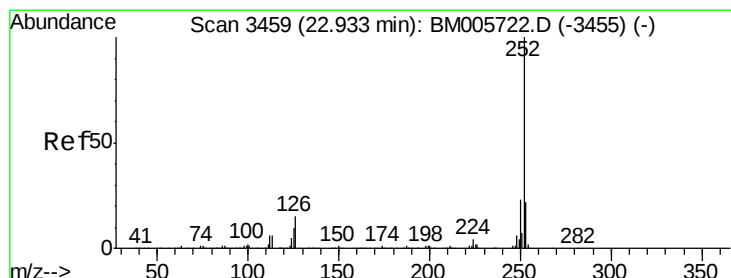
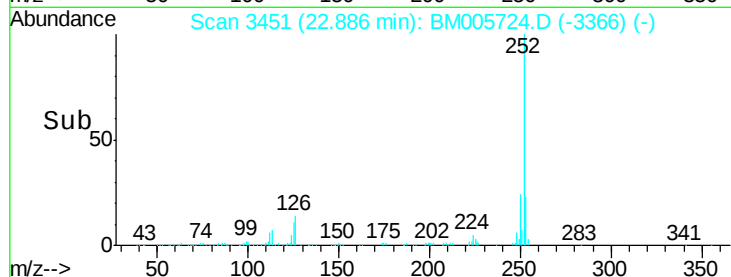
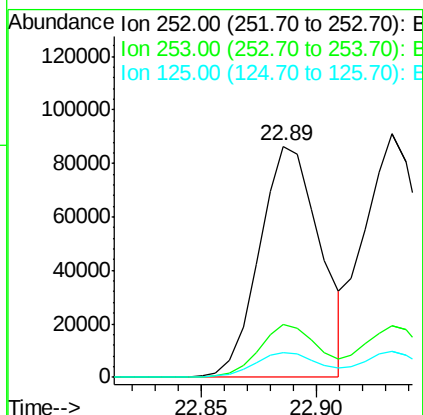
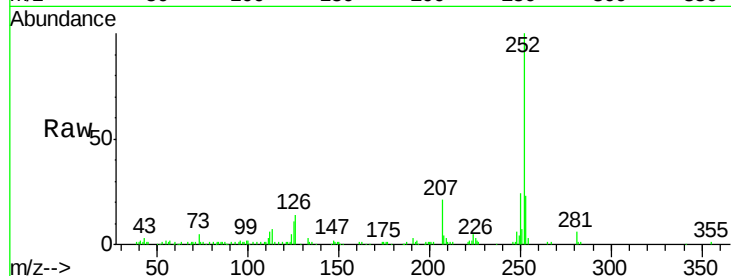




#35
Benzo(b)fluoranthene
Concen: 5.17 ng/ul
RT: 22.89 min Scan# 3451
Delta R.T. -0.00 min
Lab File: BM005724.D
Acq: 11 Jun 2016 03:40

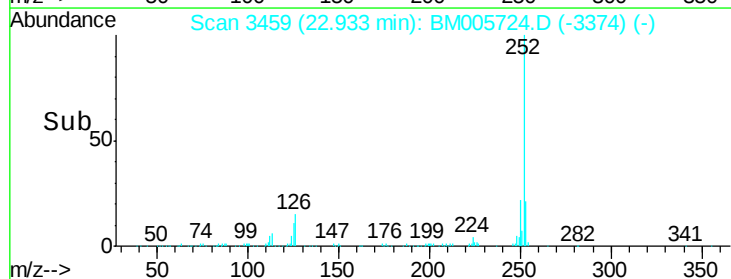
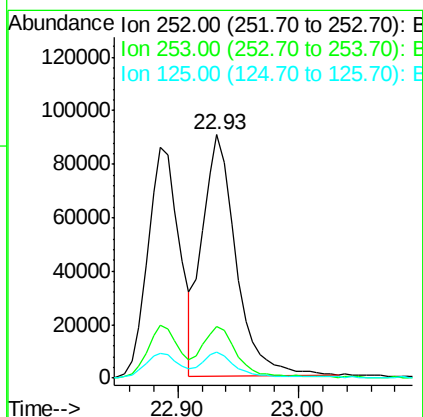
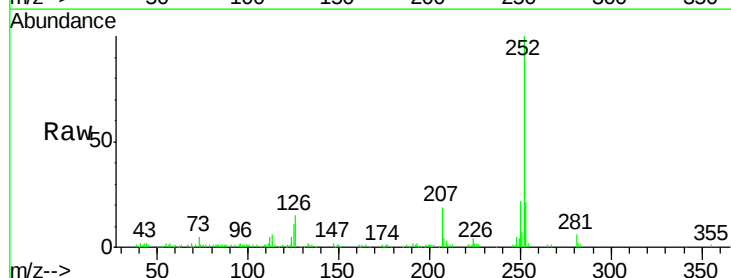
Instrument :
BNA_M
ClientSampleId :
SSTD00539

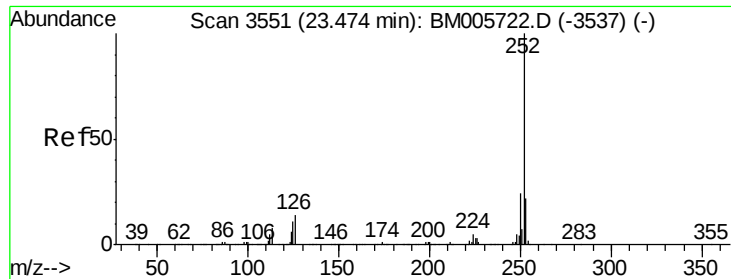
Tgt Ion:252 Resp: 158237
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 10.8 8.4 12.6



#36
Benzo(k)fluoranthene
Concen: 5.95 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. -0.00 min
Lab File: BM005724.D
Acq: 11 Jun 2016 03:40

Tgt Ion:252 Resp: 173960
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 10.8 8.2 12.2





#38

Benzo(a)pyrene

Concen: 5.28 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

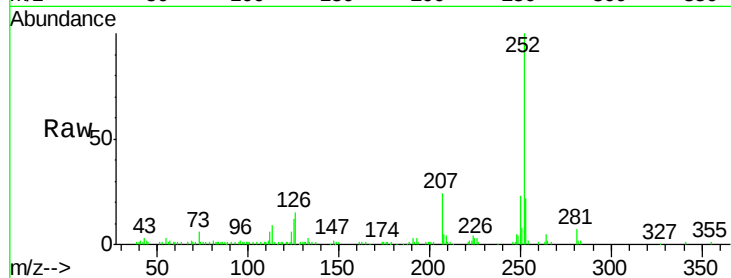
Tgt Ion:252 Resp: 155123

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

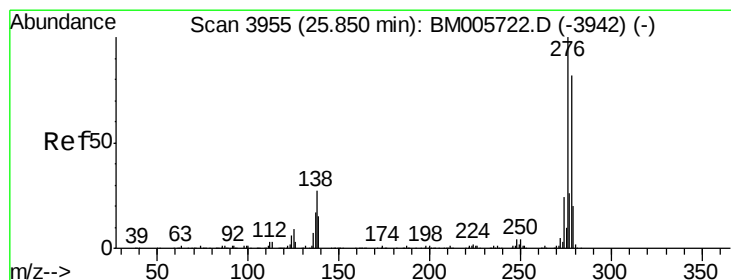
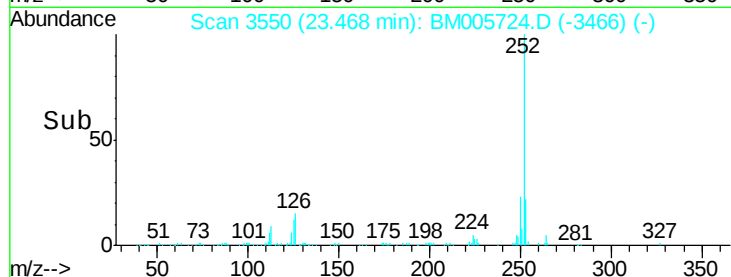
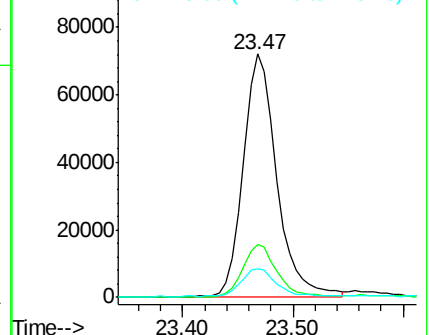
125 11.7 9.1 13.7



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 4.39 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.00 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

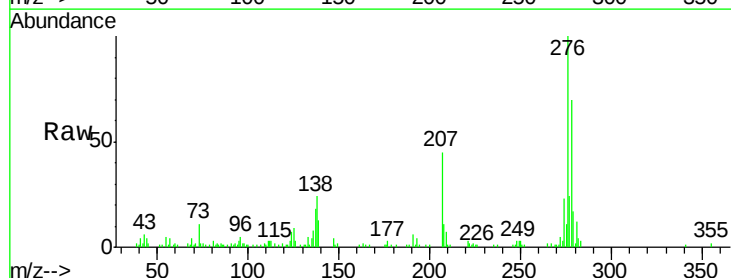
Tgt Ion:276 Resp: 147522

Ion Ratio Lower Upper

276 100

138 24.2 21.4 32.2

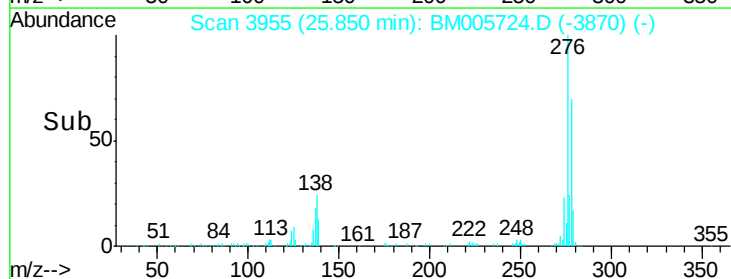
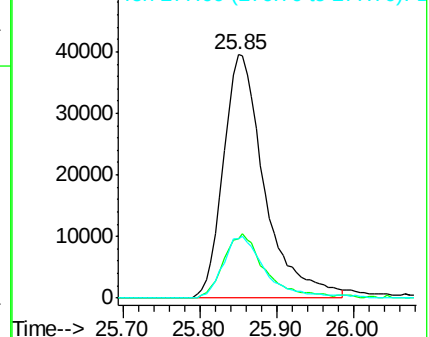
277 24.1 20.5 30.7

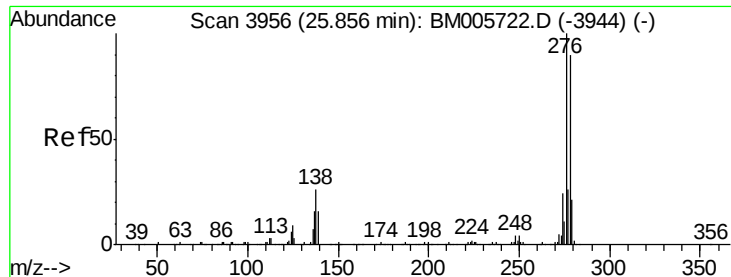


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 4.41 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Instrument :

BNA_M

ClientSampleId :

SSTD00539

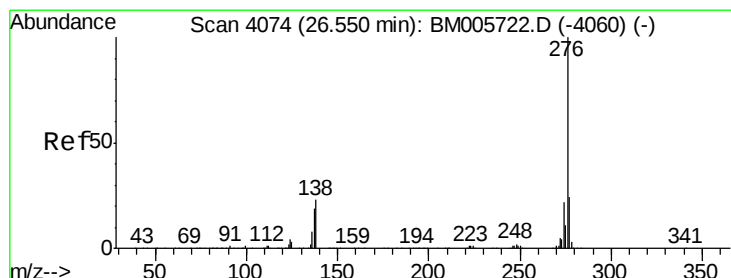
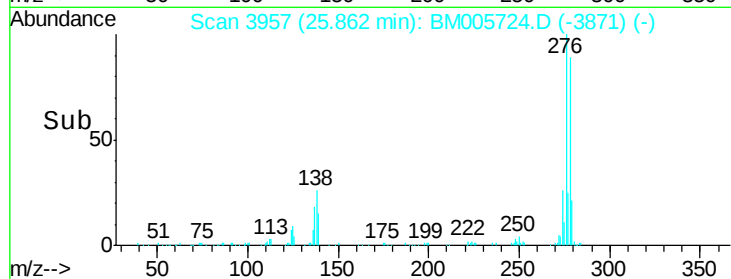
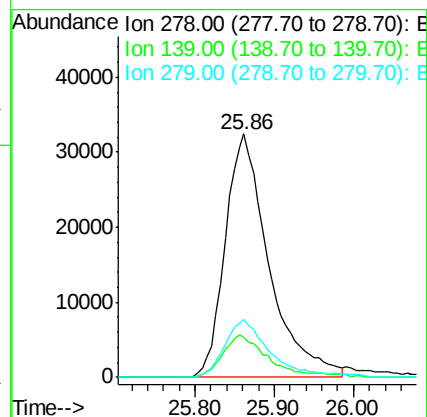
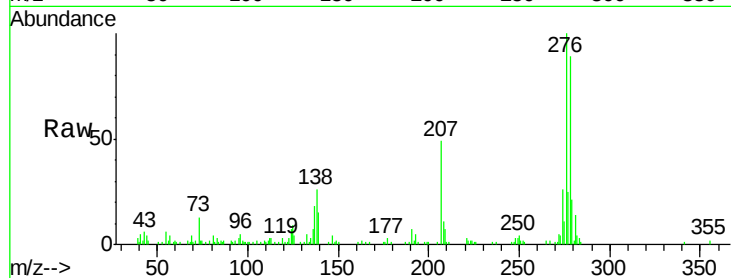
Tgt Ion:278 Resp: 124089

Ion Ratio Lower Upper

278 100

139 16.7 14.2 21.4

279 23.6 18.8 28.2



#41

Benzo(g,h,i)perylene

Concen: 4.43 ng/ul

RT: 26.56 min Scan# 4075

Delta R.T. 0.01 min

Lab File: BM005724.D

Acq: 11 Jun 2016 03:40

Tgt Ion:276 Resp: 124756

Ion Ratio Lower Upper

276 100

138 23.5 18.2 27.4

277 23.7 19.5 29.3

