

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122916\
 Data File : BM008719.D
 Acq On : 29 Dec 2016 14:16
 Operator : UM/SJ
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.442

Quant Time: Dec 30 00:57:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 00:54:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	196	0.40	ng/ul	0.03
2) Naphthalene-d8	10.58	136	935	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.35	164	628	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.11	188	1202	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	1279	0.40	ng/ul	0.01
20) Perylene-d12	23.52	264	1252	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.18	152	570	0.40	ng/ul	0.03
14) Fluoranthene-d10	19.13	212	1408	0.43	ng/ul	0.01

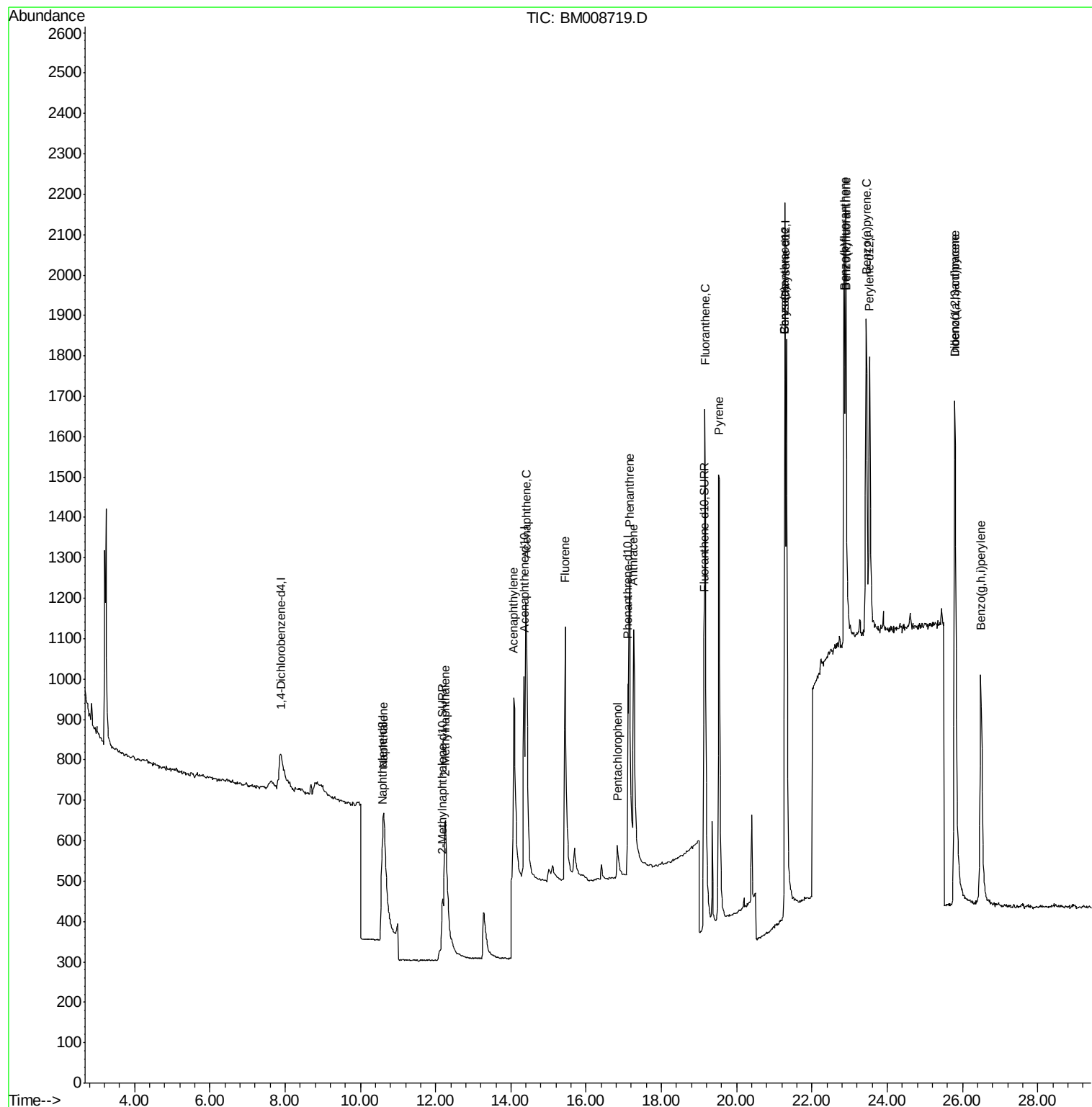
Target Compounds				Qvalue		
3) Naphthalene	10.62	128	1068	0.41	ng/ul#	57
5) 2-Methylnaphthalene	12.26	142	618	0.35	ng/ul	85
7) Acenaphthylene	14.07	152	1297	0.46	ng/ul#	80
8) Acenaphthene	14.40	153	836	0.39	ng/ul#	92
9) Fluorene	15.44	166	895	0.37	ng/ul#	92
11) Pentachlorophenol	16.83	266	147	0.39	ng/ul	95
12) Phenanthrene	17.16	178	1407	0.38	ng/ul#	89
13) Anthracene	17.26	178	1289	0.36	ng/ul#	87
15) Fluoranthene	19.16	202	1849	0.41	ng/ul	93
17) Pyrene	19.53	202	2024	0.41	ng/ul#	92
18) Benzo(a)anthracene	21.27	228	1681	0.40	ng/ul	91
19) Chrysene	21.27	228	1681	0.37	ng/ul	93
21) Benzo(b)fluoranthene	22.86	252	1833	0.37	ng/ul	91
22) Benzo(k)fluoranthene	22.90	252	1912	0.40	ng/ul#	90
23) Benzo(a)pyrene	23.44	252	1892	0.41	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.80	276	2137	0.39	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.80	278	1686	0.39	ng/ul#	83
26) Benzo(g,h,i)perylene	26.48	276	1850	0.40	ng/ul#	91

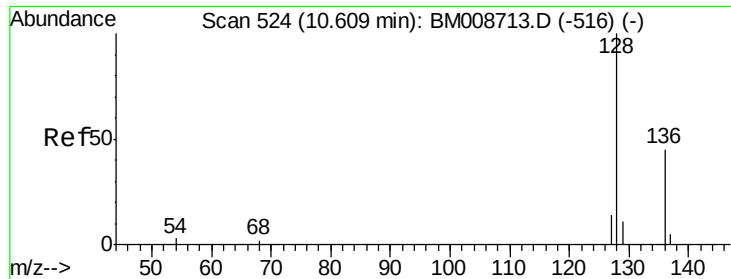
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122916\
Data File : BM008719.D
Acq On : 29 Dec 2016 14:16
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.442

Quant Time: Dec 30 00:57:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 30 00:54:22 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.62 min Scan# 525

Delta R.T. 0.01 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

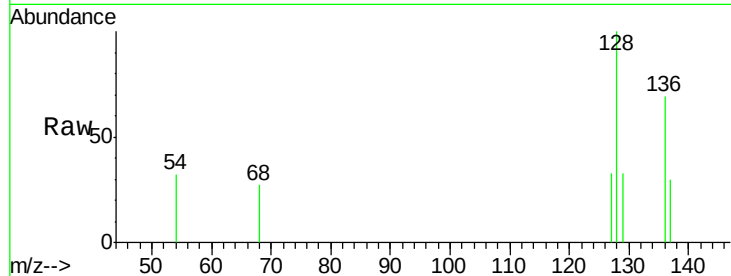
Tgt Ion:128 Resp: 1068

Ion Ratio Lower Upper

128 100

129 32.5 11.3 16.9#

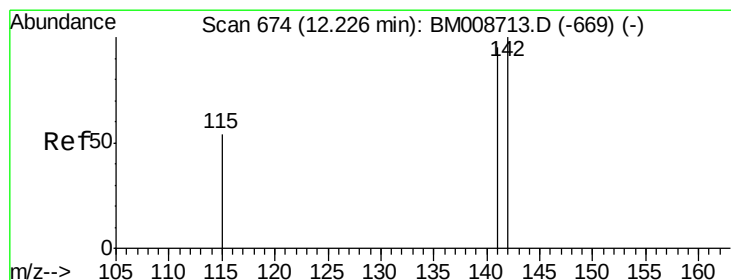
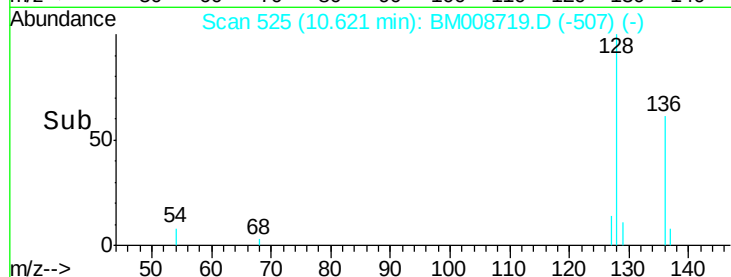
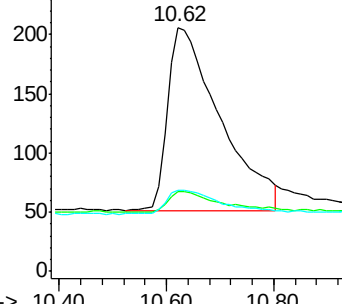
127 33.5 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.35 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.03 min

Lab File: BM008719.D

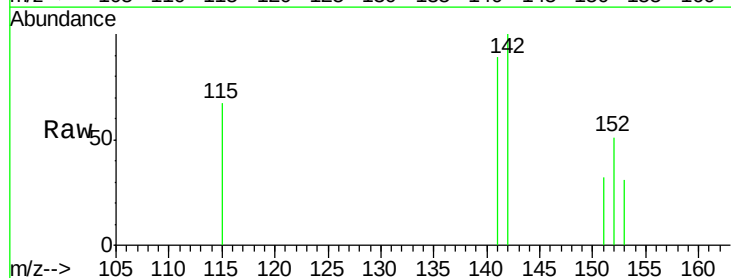
Acq: 29 Dec 2016 14:16

Tgt Ion:142 Resp: 618

Ion Ratio Lower Upper

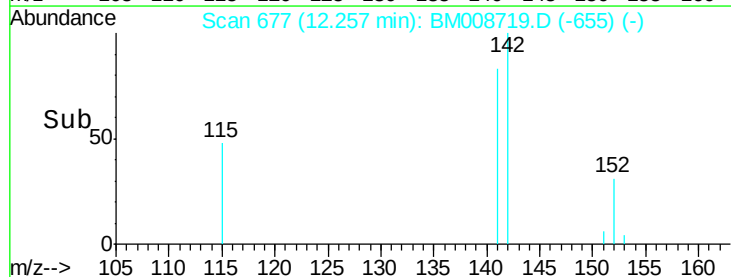
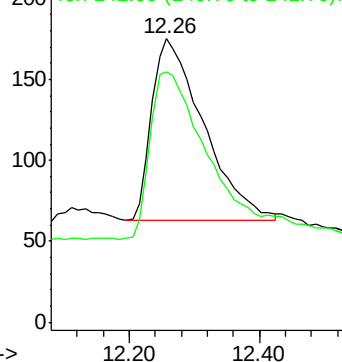
142 100

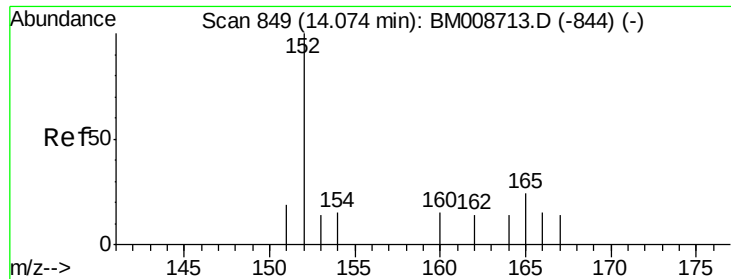
141 104.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.46 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

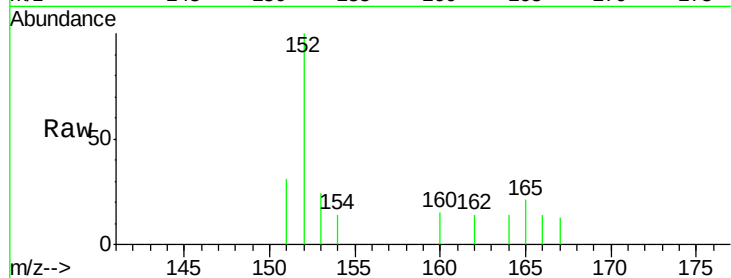
Tgt Ion:152 Resp: 1297

Ion Ratio Lower Upper

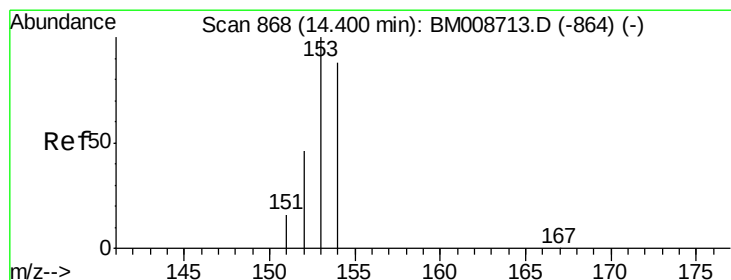
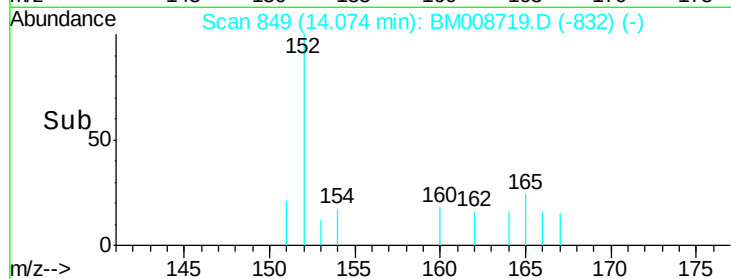
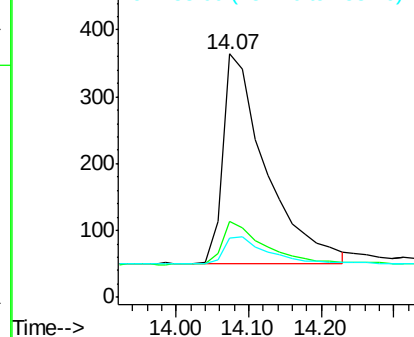
152 100

151 31.3 17.1 25.7#

153 24.2 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

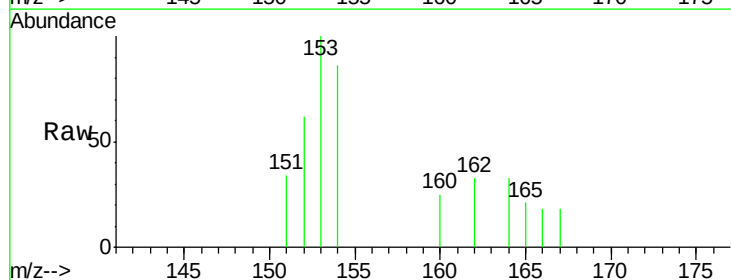
Tgt Ion:153 Resp: 836

Ion Ratio Lower Upper

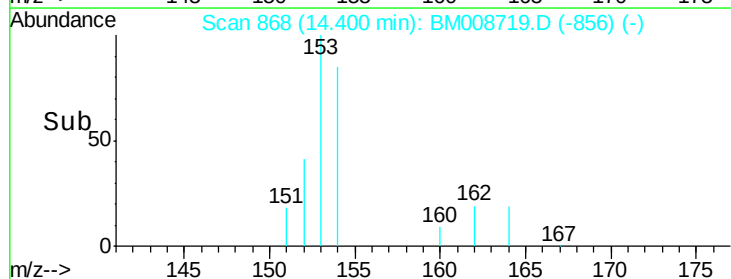
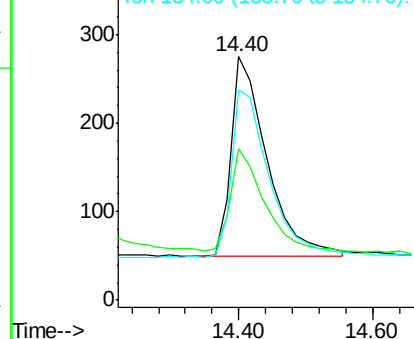
153 100

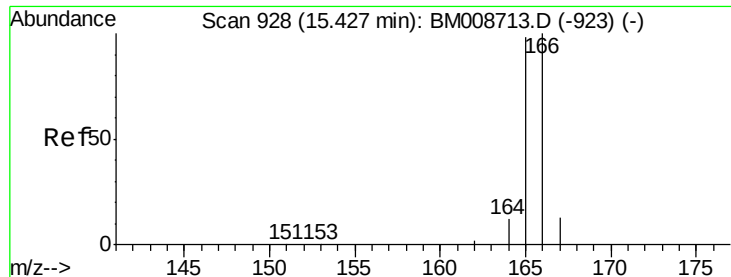
152 62.2 40.3 60.5#

154 86.2 71.4 107.2



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

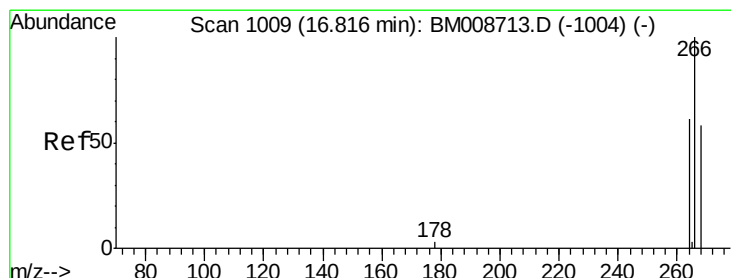
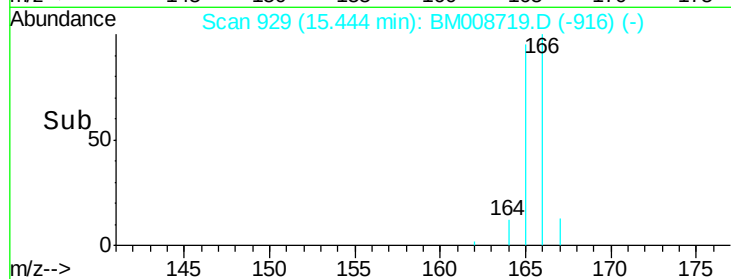
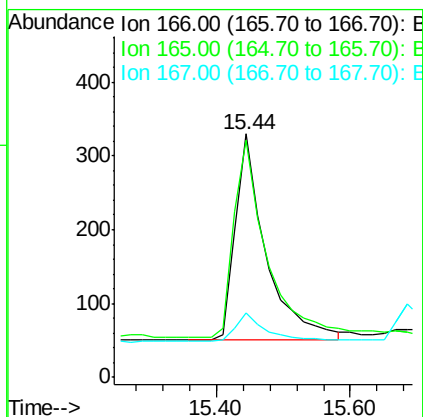
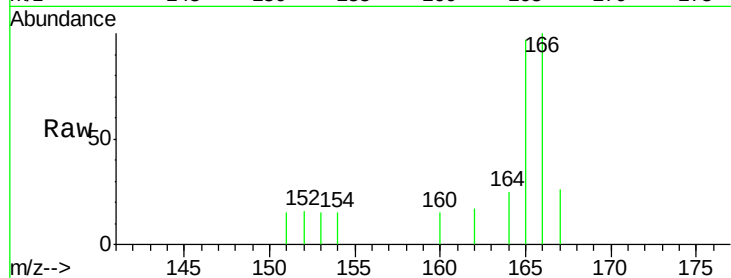




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.44 min Scan# 929
 Delta R.T. 0.02 min
 Lab File: BM008719.D
 Acq: 29 Dec 2016 14:16

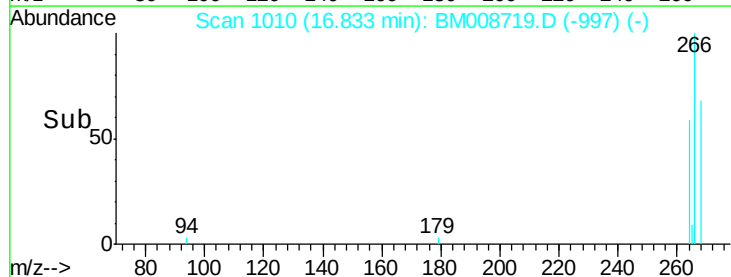
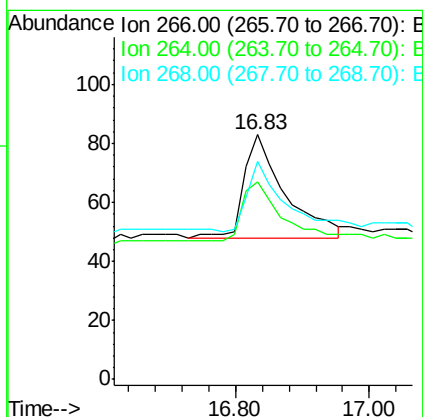
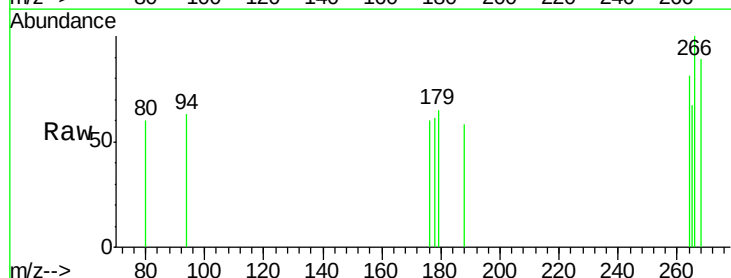
Instrument :
 BNA_M
 ClientSampleId :
 SST0.442

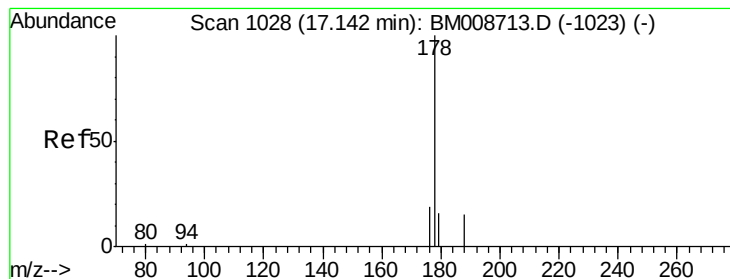
Tgt Ion:166 Resp: 895
 Ion Ratio Lower Upper
 166 100
 165 97.3 73.4 110.2
 167 26.4 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.39 ng/ul
 RT: 16.83 min Scan# 1010
 Delta R.T. 0.02 min
 Lab File: BM008719.D
 Acq: 29 Dec 2016 14:16

Tgt Ion:266 Resp: 147
 Ion Ratio Lower Upper
 266 100
 264 53.7 47.9 71.9
 268 60.5 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.02 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

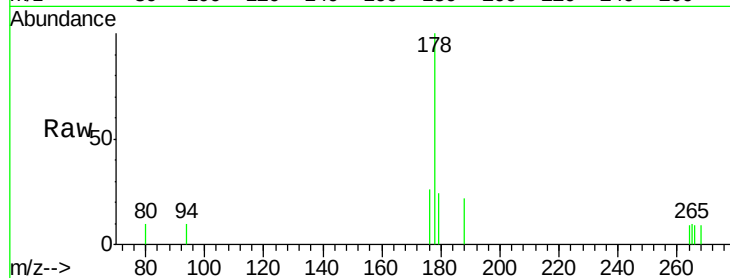
Tgt Ion:178 Resp: 1407

Ion Ratio Lower Upper

178 100

176 26.2 18.4 27.6

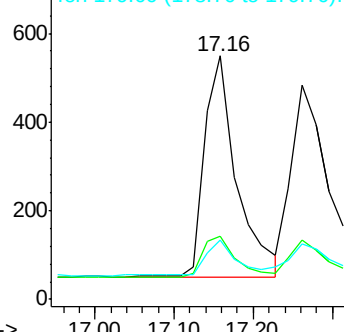
179 24.2 13.6 20.4#



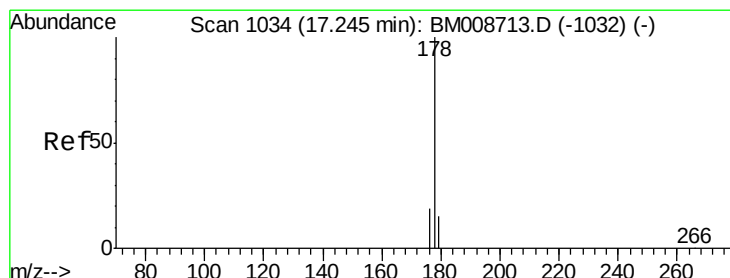
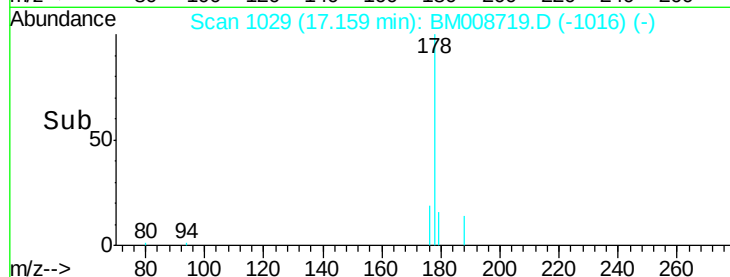
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.36 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.02 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

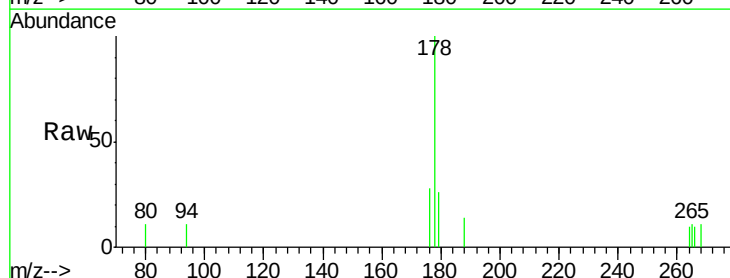
Tgt Ion:178 Resp: 1289

Ion Ratio Lower Upper

178 100

176 27.7 18.1 27.1#

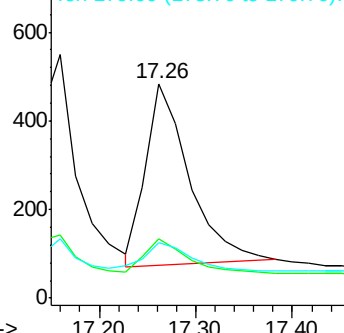
179 25.8 14.7 22.1#



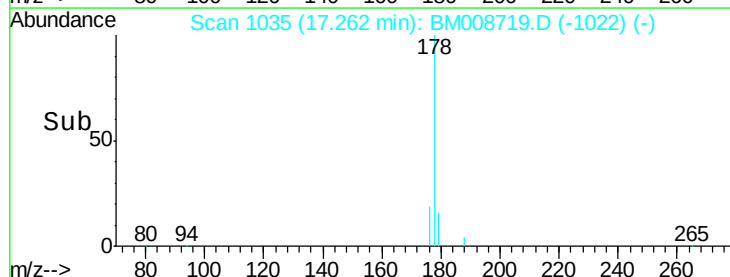
Abundance Ion 178.00 (177.70 to 178.70): E

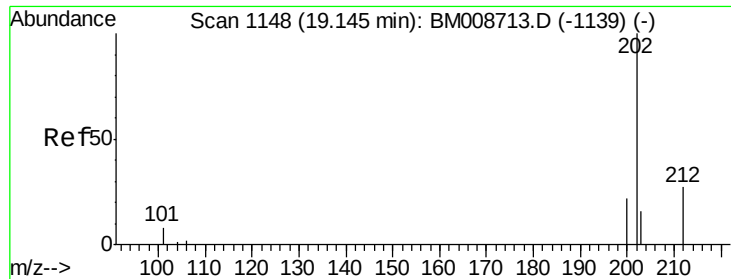
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

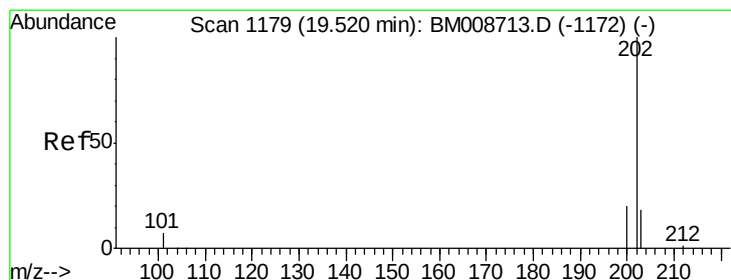
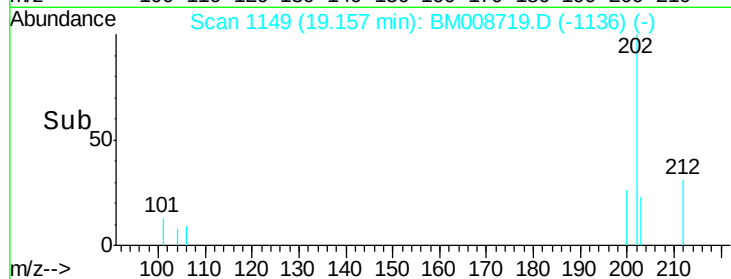
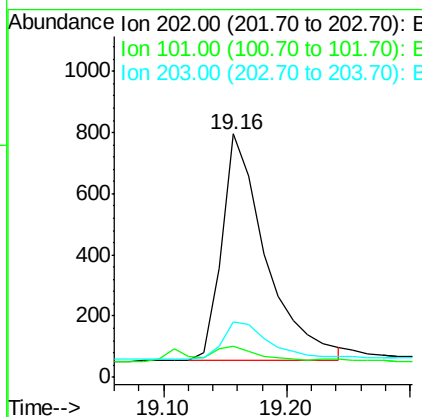
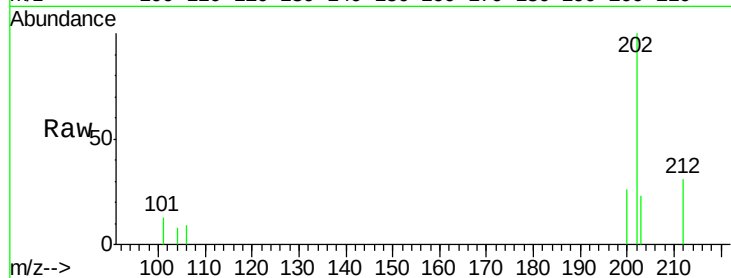




#15
Fluoranthene
 Concen: 0.41 ng/ul
 RT: 19.16 min Scan# 1149
 Delta R.T. 0.01 min
 Lab File: BM008719.D
 Acq: 29 Dec 2016 14:16

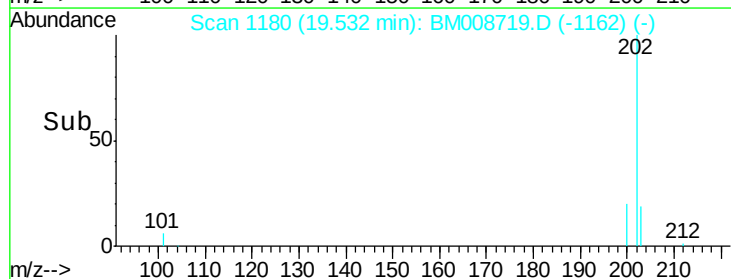
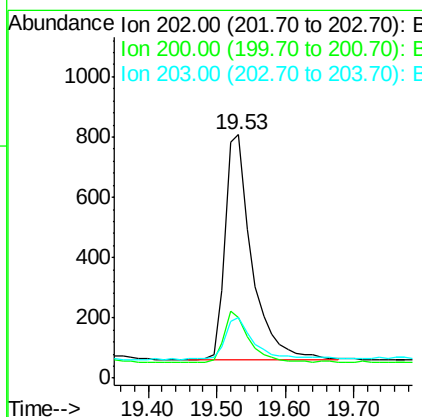
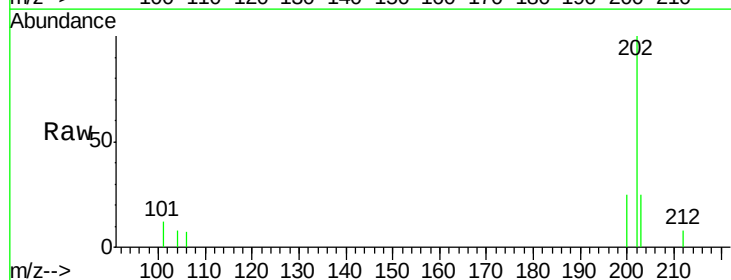
Instrument :
 BNA_M
 ClientSampleId :
 SST0.442

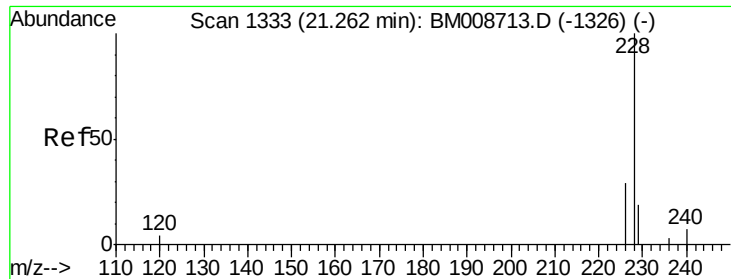
Tgt Ion: 202 Resp: 1849
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 30.3
 203 22.7 0.0 39.5



#17
Pyrene
 Concen: 0.41 ng/ul
 RT: 19.53 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BM008719.D
 Acq: 29 Dec 2016 14:16

Tgt Ion: 202 Resp: 2024
 Ion Ratio Lower Upper
 202 100
 200 25.1 18.2 27.4
 203 24.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

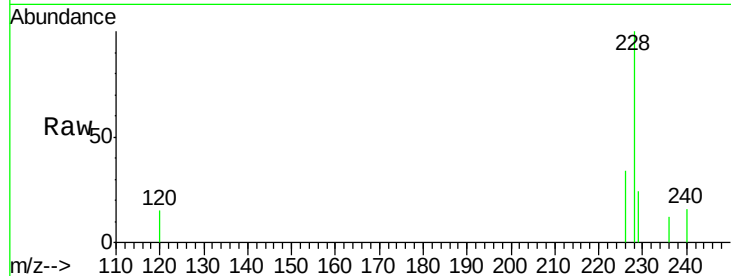
Tgt Ion:228 Resp: 1681

Ion Ratio Lower Upper

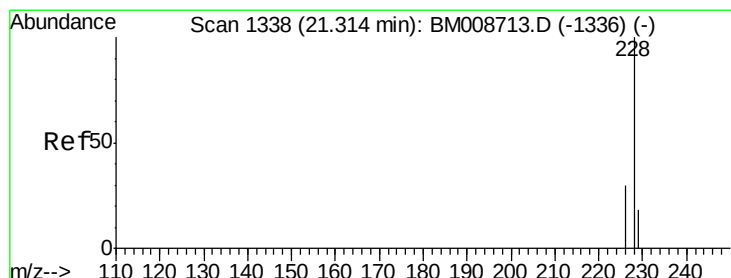
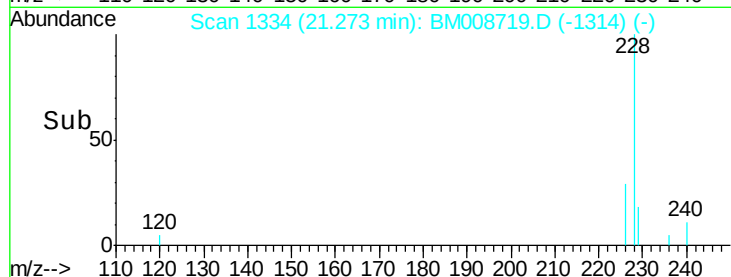
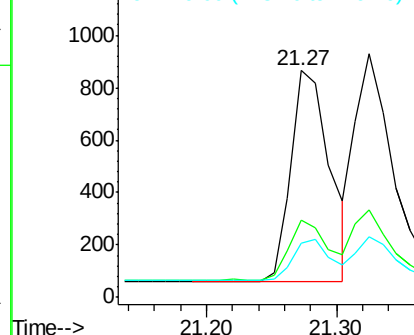
228 100

226 34.0 22.8 34.2

229 24.2 17.0 25.6



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



#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.04 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

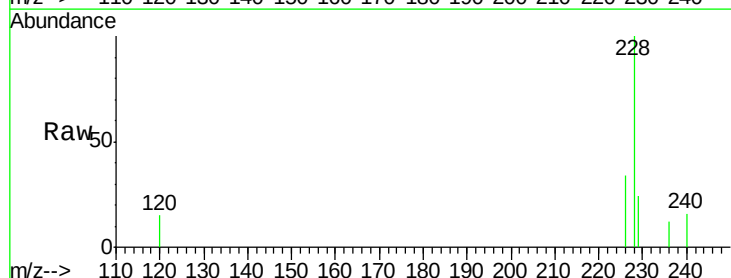
Tgt Ion:228 Resp: 1681

Ion Ratio Lower Upper

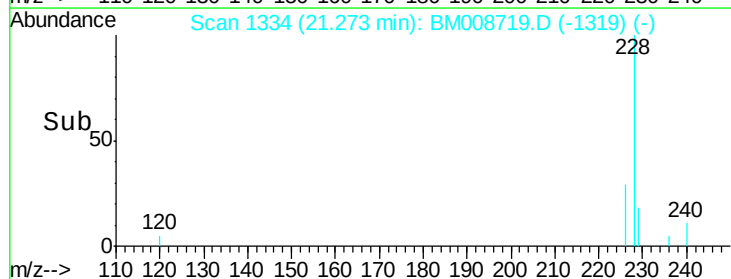
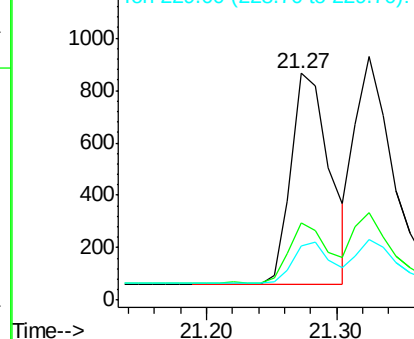
228 100

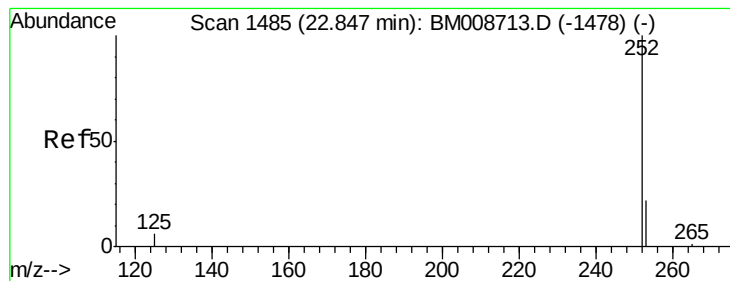
226 34.0 23.4 35.0

229 24.2 17.7 26.5



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





#21

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

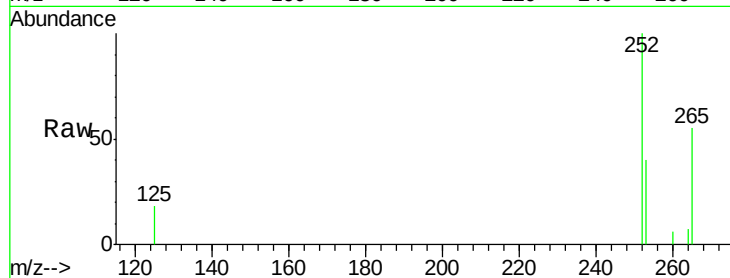
Tgt Ion:252 Resp: 1833

Ion Ratio Lower Upper

252 100

253 39.8 0.0 64.2

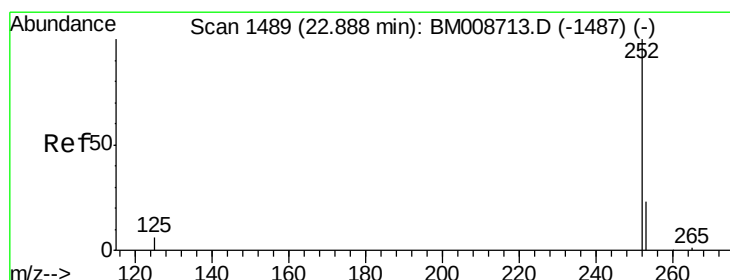
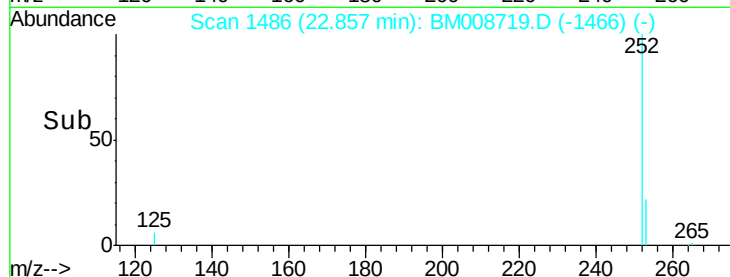
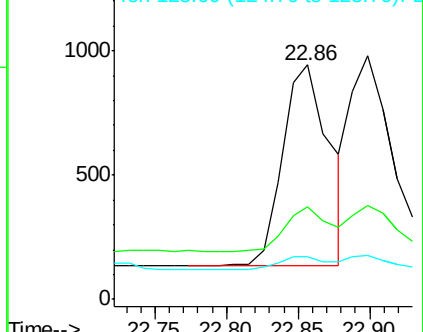
125 18.2 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 22.90 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

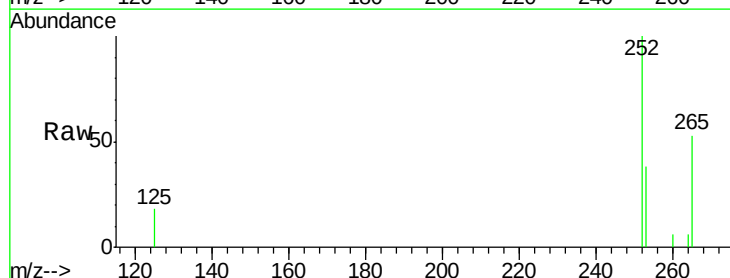
Tgt Ion:252 Resp: 1912

Ion Ratio Lower Upper

252 100

253 38.5 24.5 36.7#

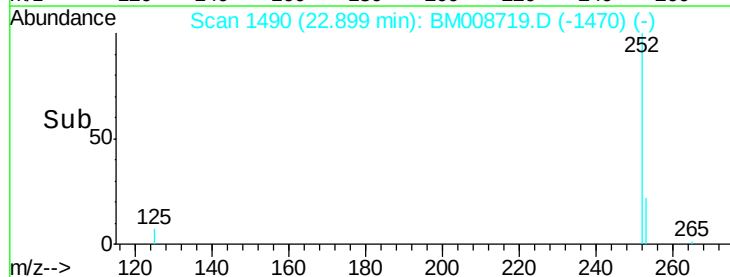
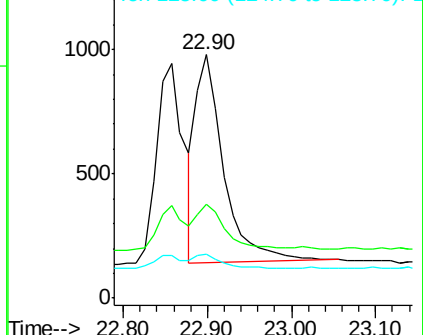
125 18.2 13.7 20.5

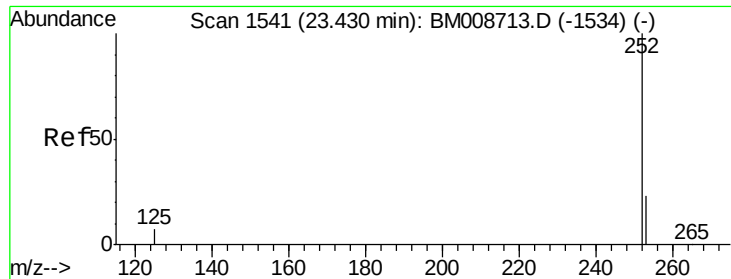


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

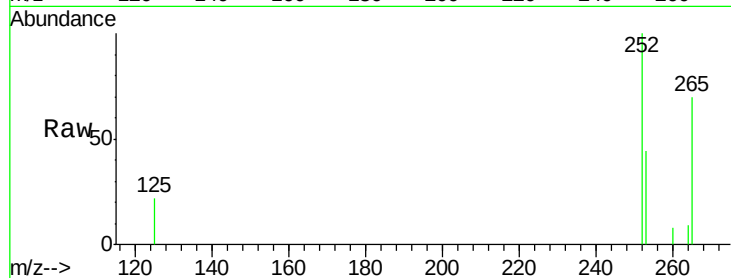
Tgt Ion: 252 Resp: 1892

Ion Ratio Lower Upper

252 100

253 44.4 28.5 42.7#

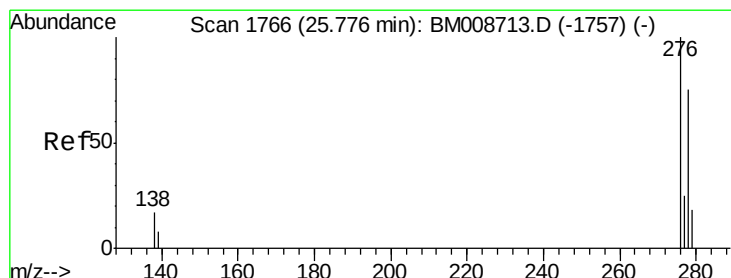
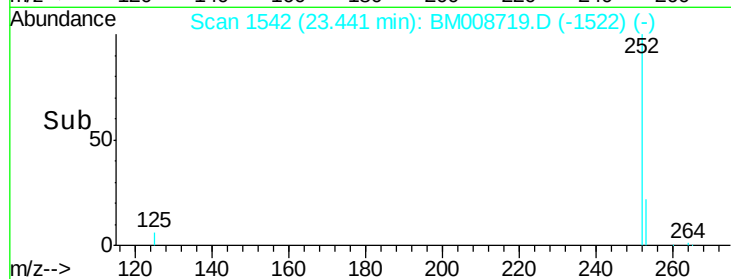
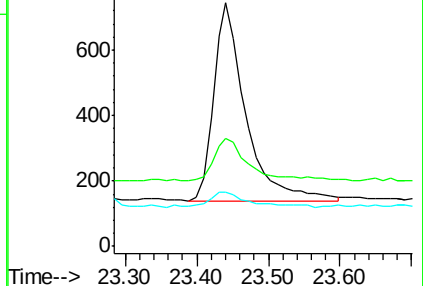
125 22.3 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. 0.02 min

Lab File: BM008719.D

Acq: 29 Dec 2016 14:16

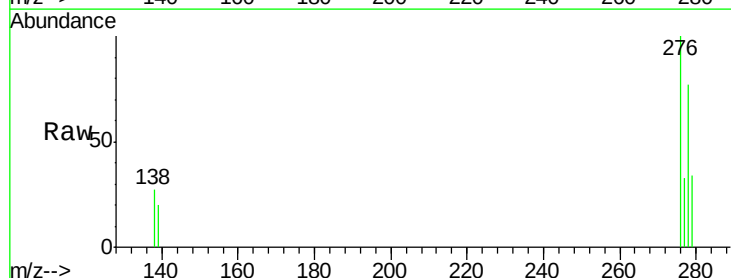
Tgt Ion: 276 Resp: 2137

Ion Ratio Lower Upper

276 100

138 17.4 19.1 28.7#

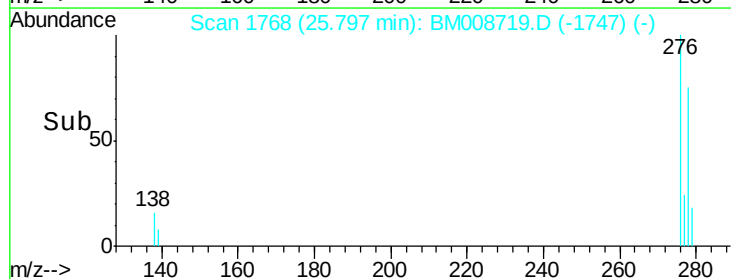
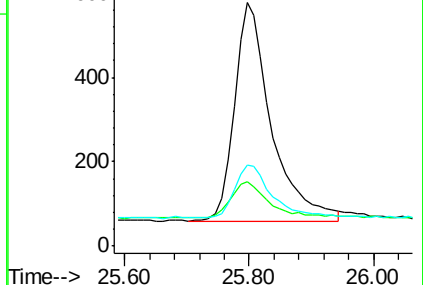
277 24.8 19.6 29.4

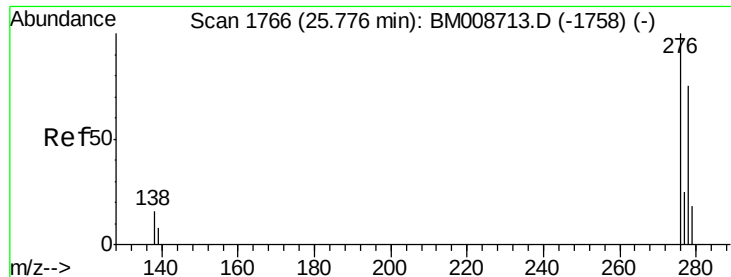


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



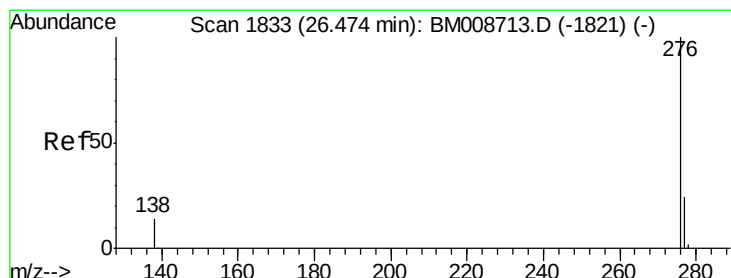
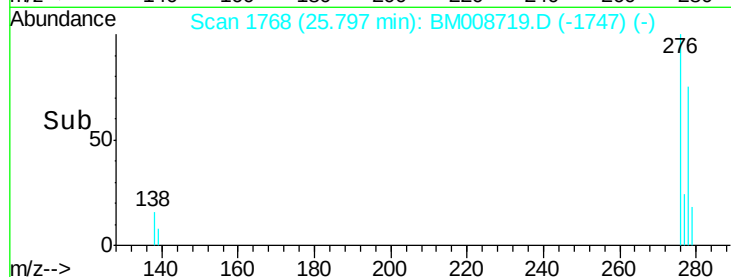
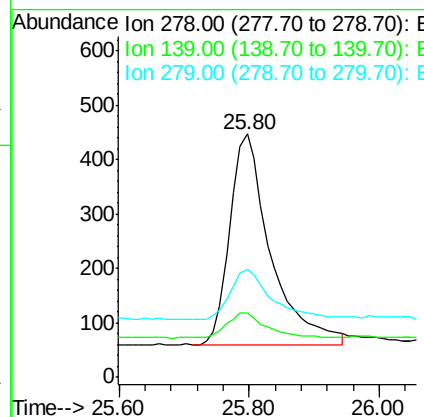
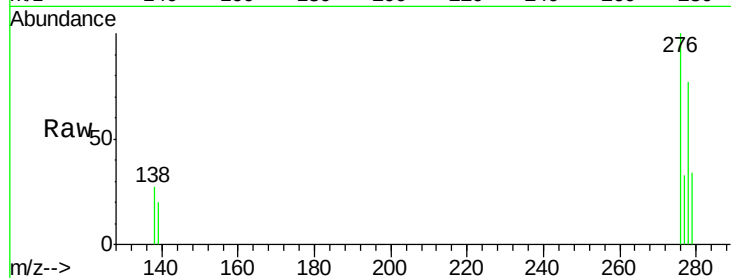


#25
Dibenzo(a,h)anthracene
Concen: 0.39 ng/ul
RT: 25.80 min Scan# 1768
Delta R.T. 0.02 min
Lab File: BM008719.D
Acq: 29 Dec 2016 14:16

Instrument :
BNA_M
ClientSampleId :
SSTD0.442

Tgt Ion: 278 Resp: 1686

Ion	Ratio	Lower	Upper
278	100		
139	26.4	17.4	26.0#
279	44.5	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 26.48 min Scan# 1834
Delta R.T. 0.01 min
Lab File: BM008719.D
Acq: 29 Dec 2016 14:16

Tgt Ion: 276 Resp: 1850

Ion	Ratio	Lower	Upper
276	100		
277	35.2	21.8	32.8#
138	26.4	20.5	30.7

