

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006797.D
 Acq On : 31 Jul 2016 20:26
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:44:18 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	134260	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	580999	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	337489	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	778147	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	897840	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	945580	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.12	96	25660	7.73	ng/uL	0.00
3) Phenol-d5	6.79	99	236419	20.70	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	148621	21.00	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	185333	20.31	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	185634	20.96	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	89324	20.31	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	98579	21.08	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	181106	20.49	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	227143	23.34	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	537672	20.32	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	686969	20.34	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	91334	19.87	ng/ul	0.00
21) Fluorene-d10	15.26	176	478466	20.22	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	83782	20.74	ng/ul	0.00
26) Anthracene-d10	17.11	188	741213	20.06	ng/ul	0.00
30) Pyrene-d10	19.41	212	840248	20.54	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	886688	20.39	ng/ul	-0.01

Target Compounds

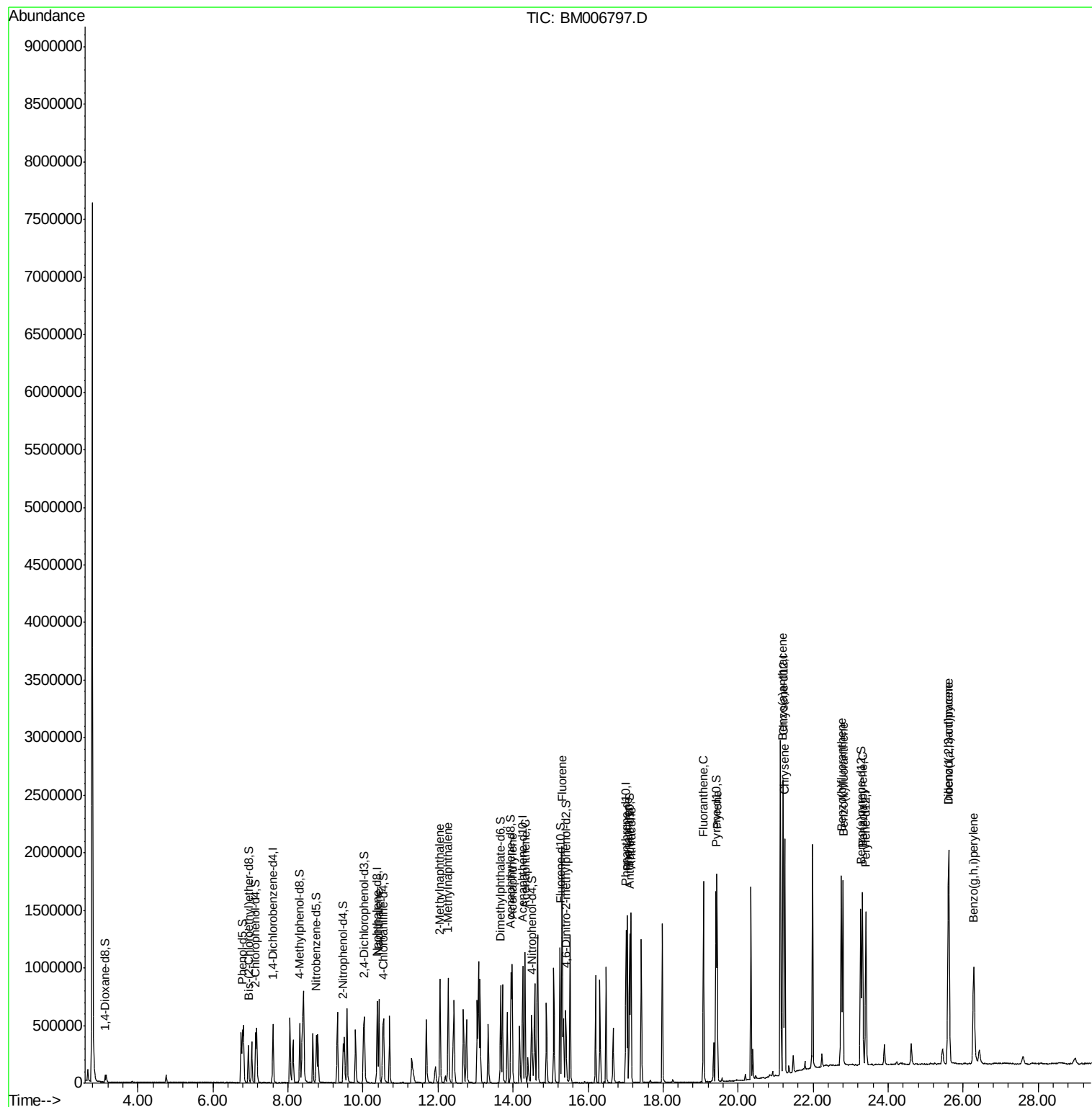
						Ovalue
11) Naphthalene	10.43	128	590847	19.72	ng/ul	99
13) 2-Methylnaphthalene	12.05	142	440117	20.02	ng/ul	100
14) 1-Methylnaphthalene	12.27	142	418509	19.96	ng/ul	93
18) Acenaphthylene	13.97	152	712103	19.69	ng/ul	97
19) Acenaphthene	14.32	153	451572	19.42	ng/ul	94
22) Fluorene	15.31	166	534929	20.42	ng/ul	94
25) Phenanthrene	17.05	178	864556	19.76	ng/ul	99
27) Anthracene	17.14	178	895405	19.87	ng/ul	97
28) Fluoranthene	19.07	202	1051492	20.45	ng/ul	99
31) Pyrene	19.44	202	1106480	20.35	ng/ul	97
32) Benzo(a)anthracene	21.19	228	1094387	20.11	ng/ul	99
33) Chrysene	21.24	228	1005760	20.05	ng/ul	99
35) Benzo(b)fluoranthene	22.75	252	1157120	20.41	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	1074233	19.60	ng/ul	98
38) Benzo(a)pyrene	23.32	252	1108973	20.10	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.61	276	1287672	20.15	ng/ul	95
40) Dibenzo(a,h)anthracene	25.61	278	1073711	20.27	ng/ul	98
41) Benzo(g,h,i)perylene	26.29	276	1094929	19.99	ng/ul	96

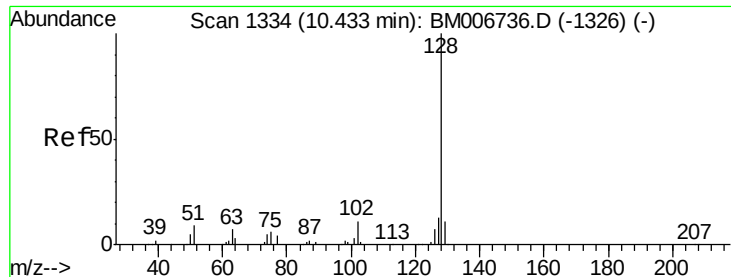
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
Data File : BM006797.D
Acq On : 31 Jul 2016 20:26
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Sample : SSTDCCC020
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 01 06:44:18 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
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#11

Naphthalene

Concen: 19.72 ng/ul

RT: 10.43 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

Instrument :

BNA_M

ClientSampleId :

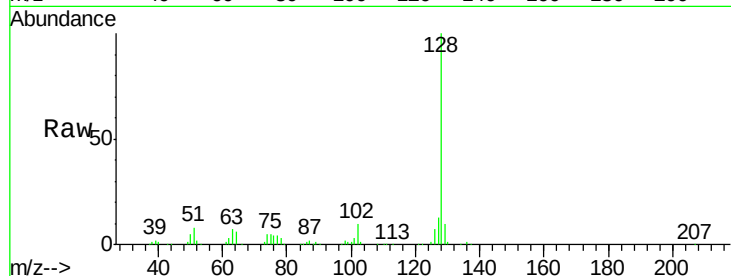
Tot Ion:128 Resp: 590847

Ion Ratio Lower Upper

128 100

129 10.3 8.3 12.5

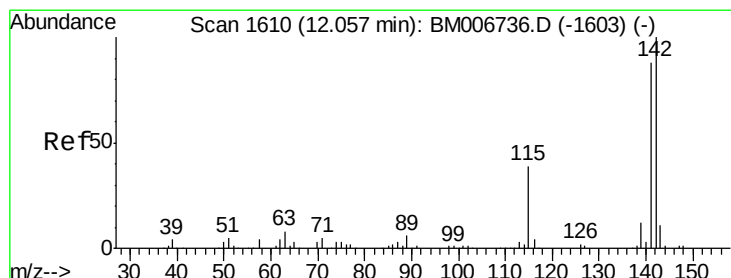
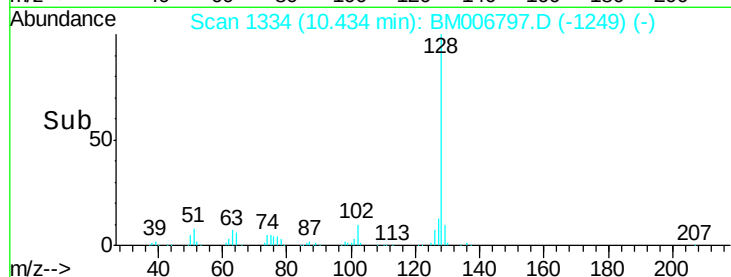
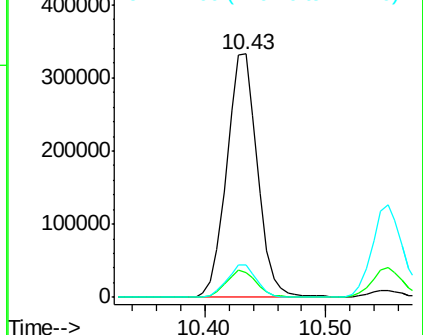
127 13.1 10.8 16.2



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



#13

2-Methylnaphthalene

Concen: 20.02 ng/ul

RT: 12.05 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BM006797.D

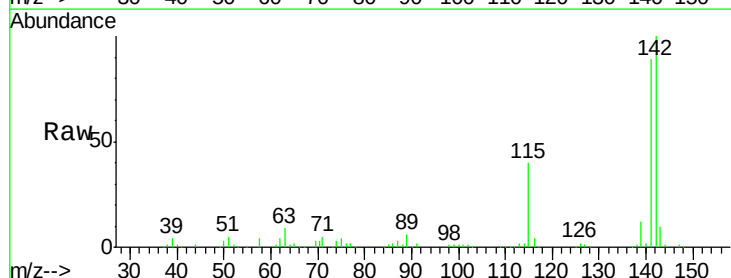
Acq: 31 Jul 2016 20:26

Tgt Ion:142 Resp: 440117

Ion Ratio Lower Upper

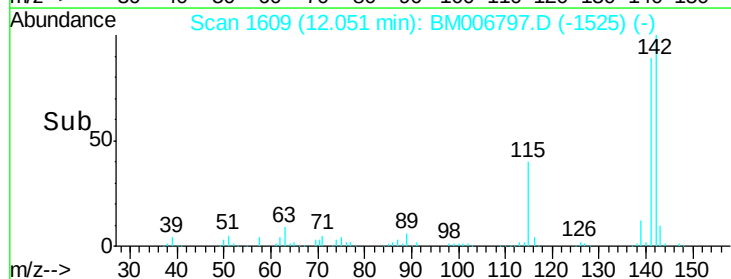
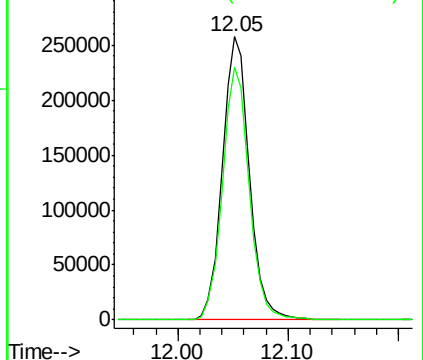
142 100

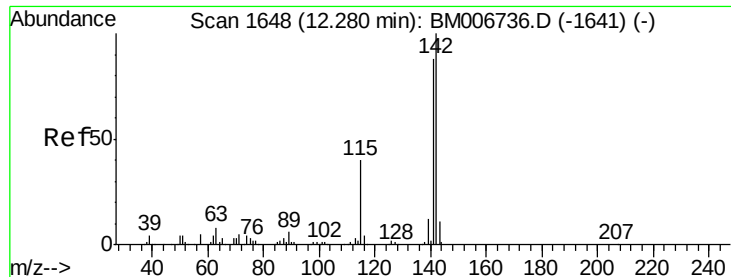
141 89.4 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

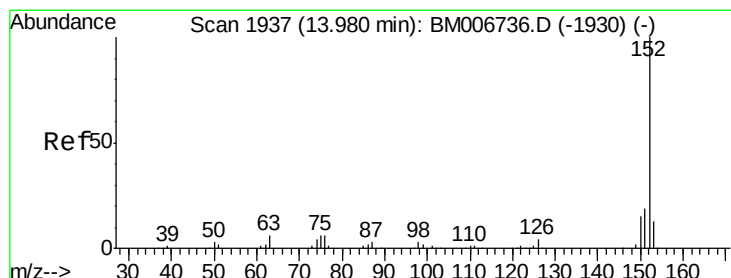
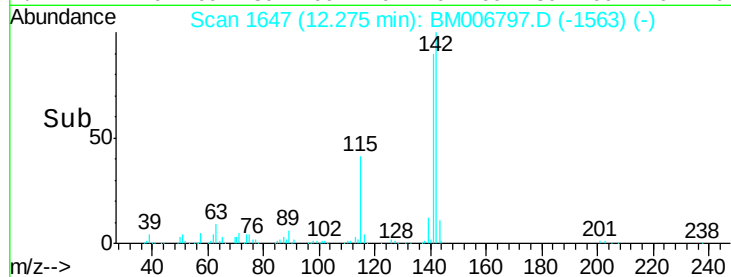
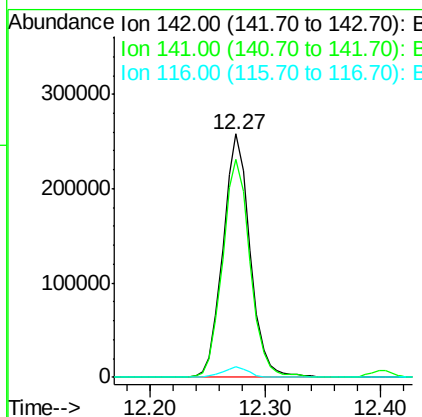
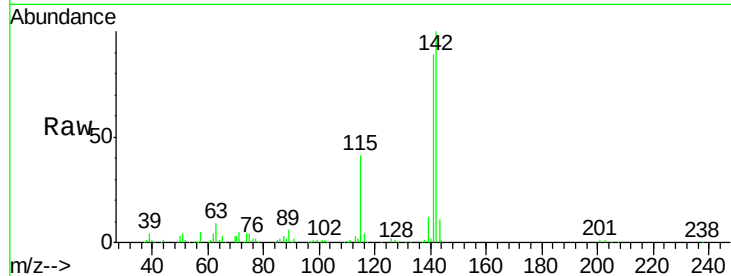




#14
1-Methylnaphthalene
Concen: 19.96 ng/ul
RT: 12.27 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BM006797.D
Acq: 31 Jul 2016 20:26

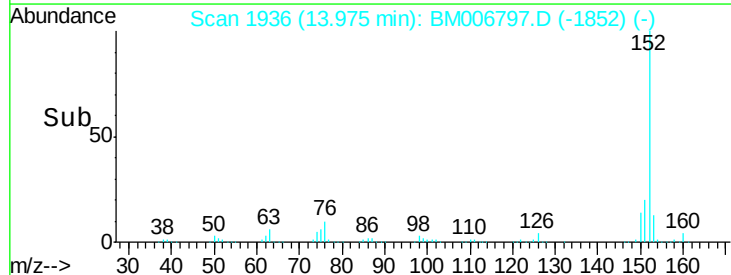
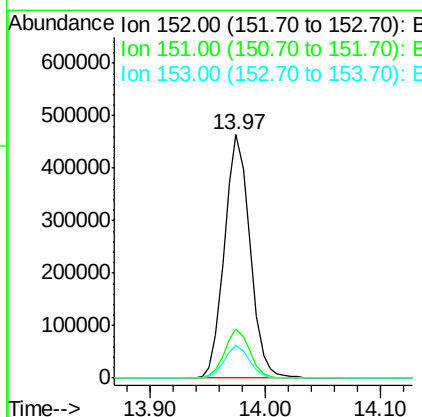
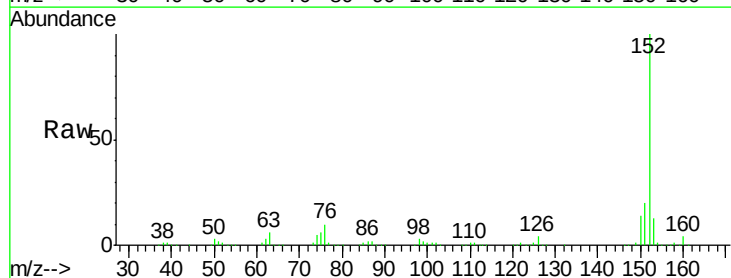
Instrument :
BNA_M
ClientSampleId :

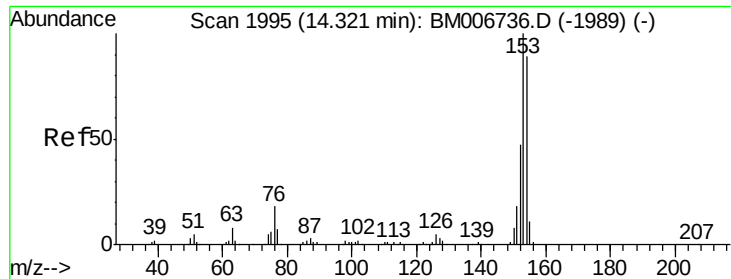
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	77.0	115.4
116	4.4	4.2	6.4



#18
Acenaphthylene
Concen: 19.69 ng/ul
RT: 13.97 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BM006797.D
Acq: 31 Jul 2016 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.3	25.9
153	13.1	11.1	16.7





#19

Acenaphthene

Concen: 19.42 ng/ul

RT: 14.32 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

Instrument :

BNA_M

ClientSampleId :

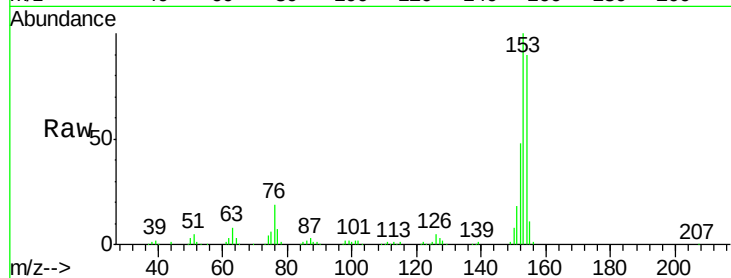
Tot Ion:153 Resp: 451572

Ion Ratio Lower Upper

153 100

152 48.1 36.5 54.7

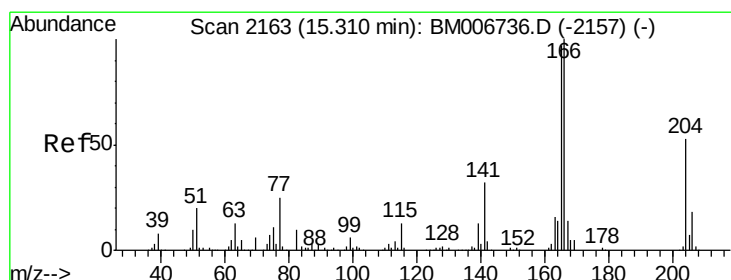
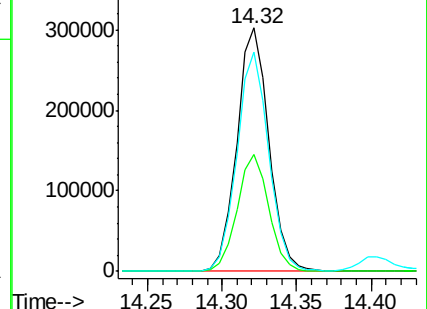
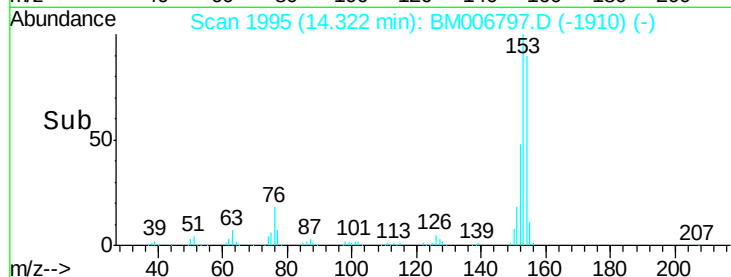
154 90.2 67.3 100.9



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: 20.42 ng/ul

RT: 15.31 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

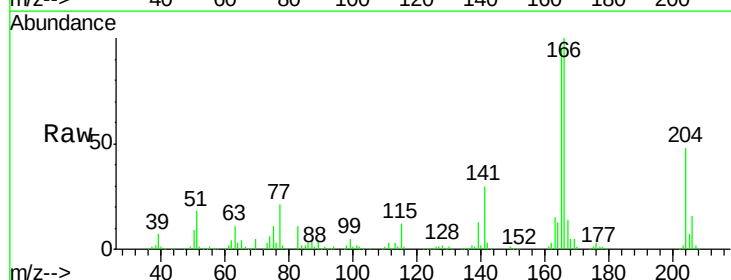
Tgt Ion:166 Resp: 534929

Ion Ratio Lower Upper

166 100

165 95.2 81.1 121.7

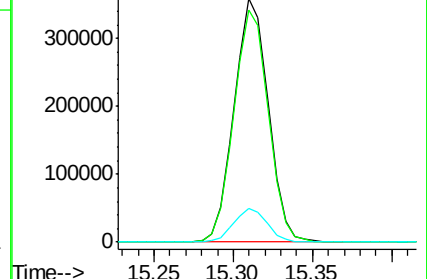
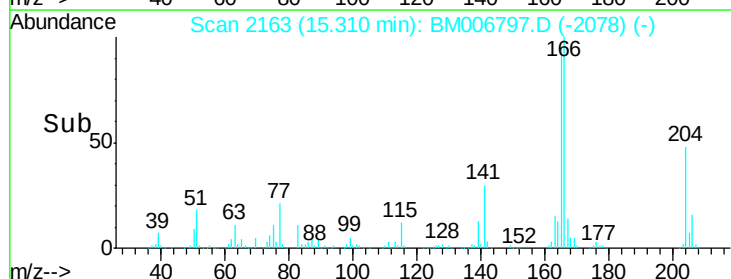
167 13.8 10.6 16.0

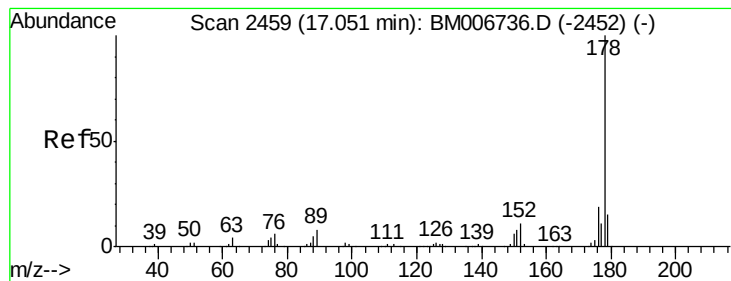


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.76 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

Instrument :

BNA_M

ClientSampleId :

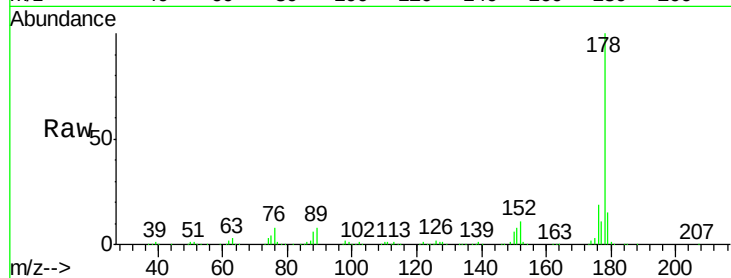
Tot Ion:178 Resp: 864556

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

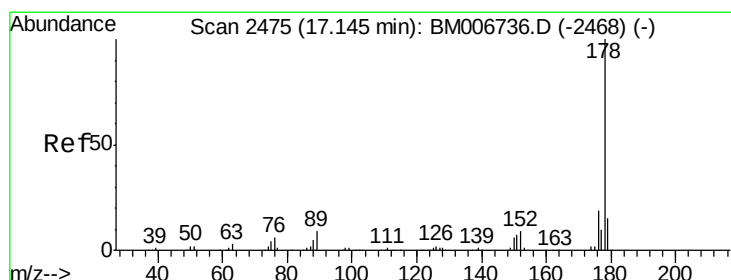
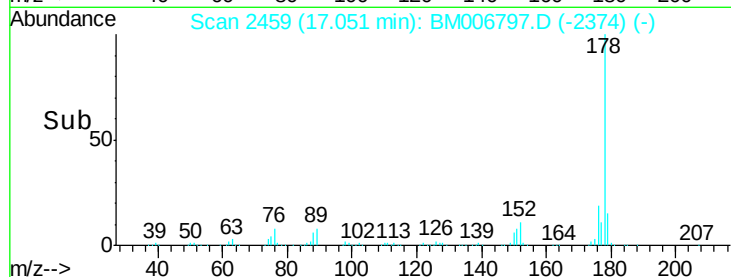
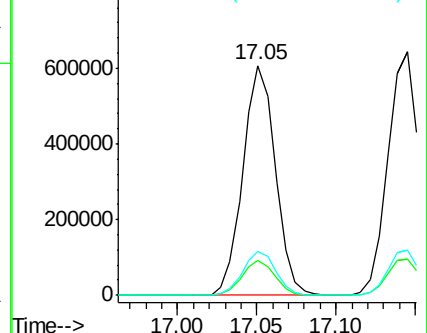
176 19.2 14.8 22.2



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: 19.87 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

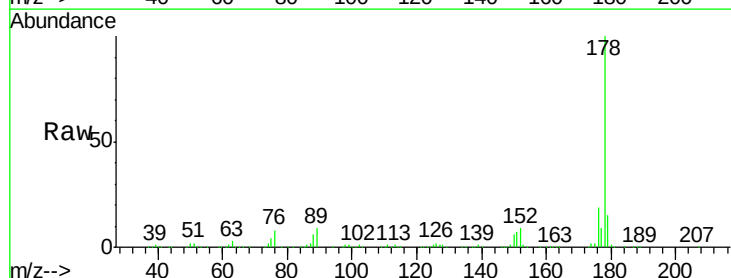
Tgt Ion:178 Resp: 895405

Ion Ratio Lower Upper

178 100

179 14.8 12.9 19.3

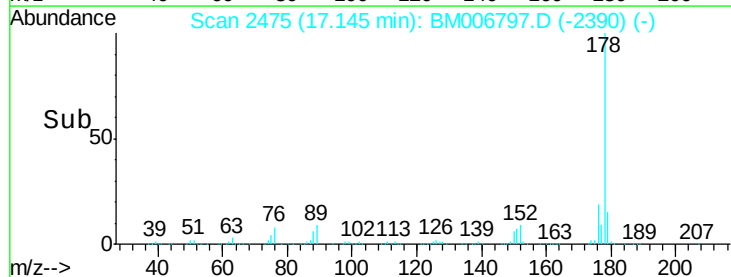
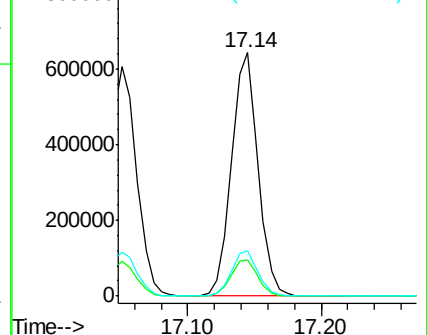
176 18.6 15.6 23.4

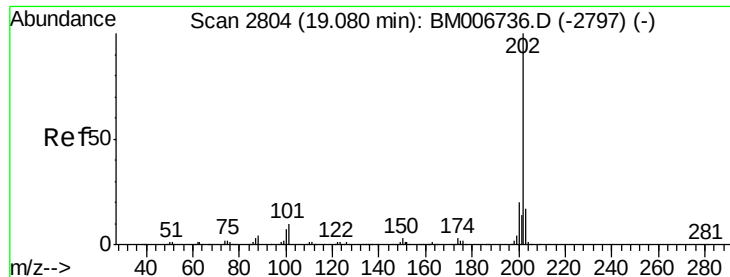


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

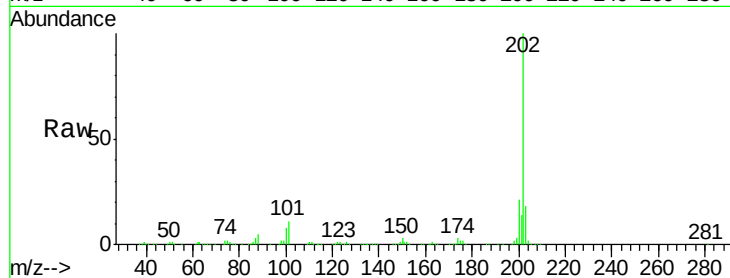




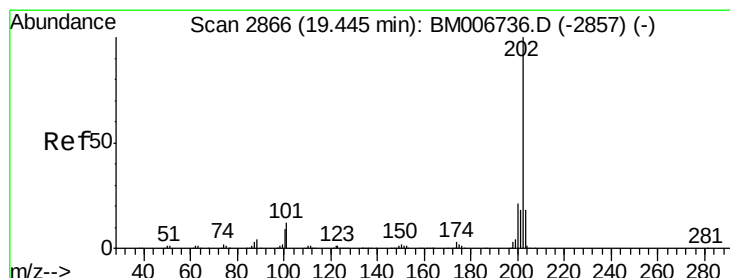
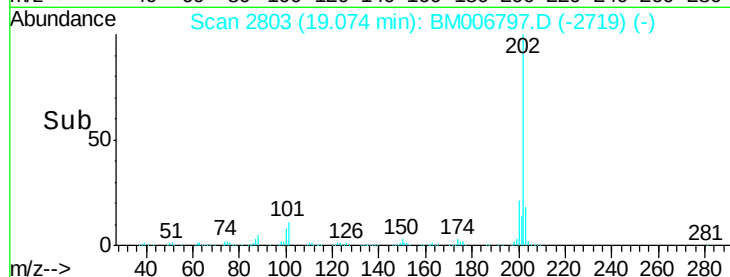
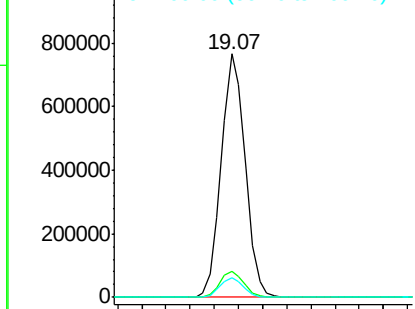
#28
Fluoranthene
Concen: 20.45 ng/ul
RT: 19.07 min Scan# 2803
Delta R.T. -0.01 min
Lab File: BM006797.D
Acq: 31 Jul 2016 20:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 1051492
Ion Ratio Lower Upper
202 100
101 10.9 8.9 13.3
100 7.9 7.0 10.4

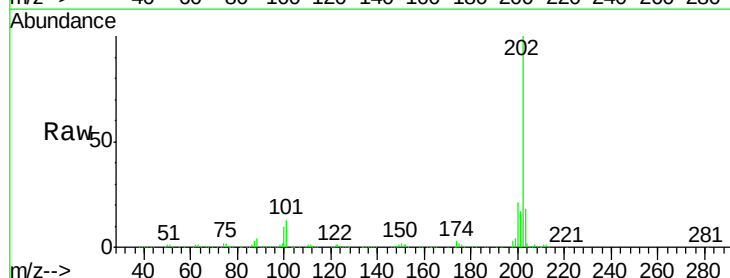


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

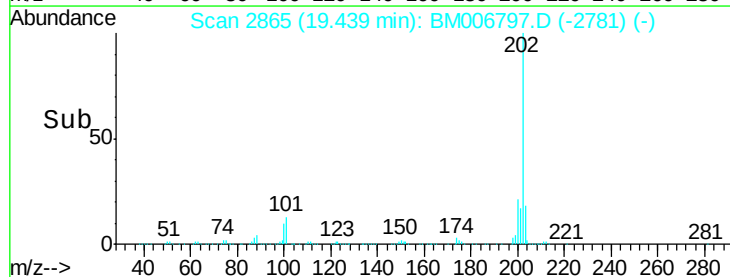
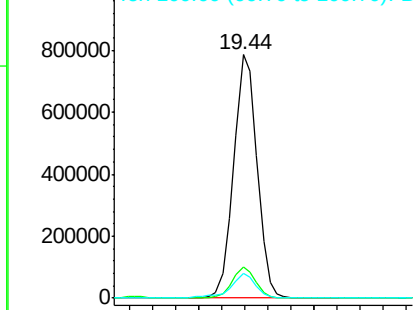


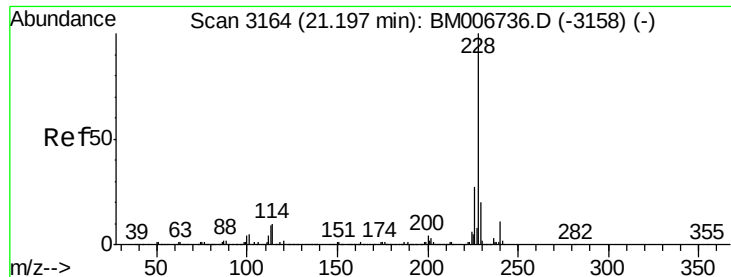
#31
Pyrene
Concen: 20.35 ng/ul
RT: 19.44 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BM006797.D
Acq: 31 Jul 2016 20:26

Tgt Ion:202 Resp: 1106480
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.8
100 10.1 9.3 13.9



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: 20.11 ng/ul

RT: 21.19 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

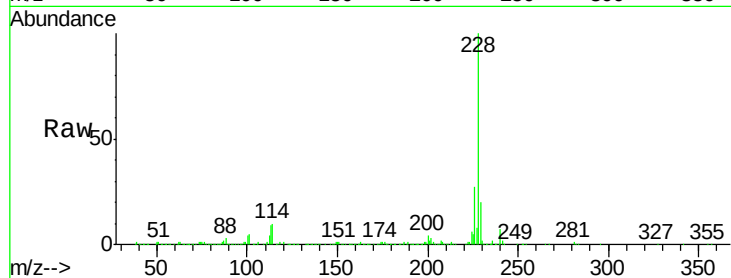
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1094387

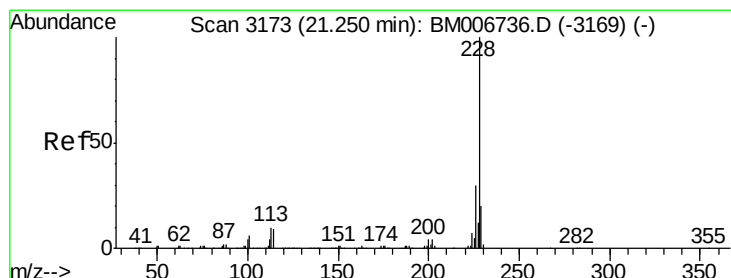
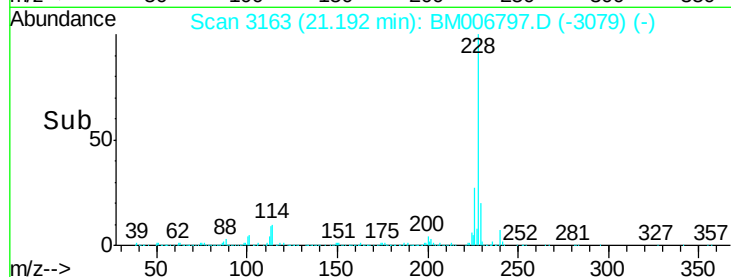
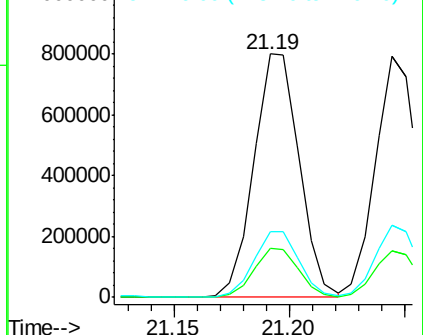
Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.6	25.0
226	27.0	21.0	31.4



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: 20.05 ng/ul

RT: 21.24 min Scan# 3172

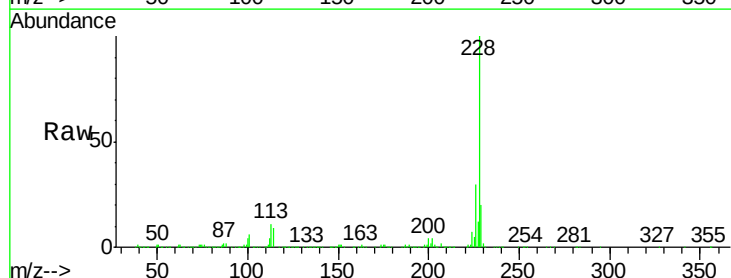
Delta R.T. -0.01 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

Tgt Ion:228 Resp: 1005760

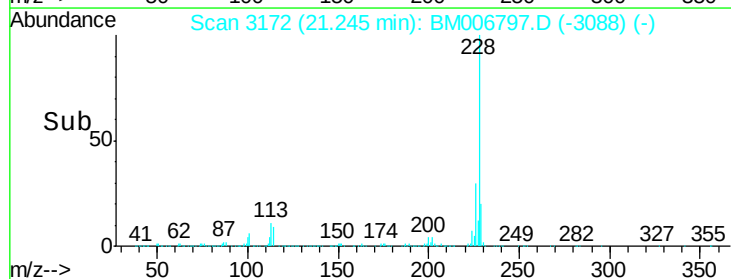
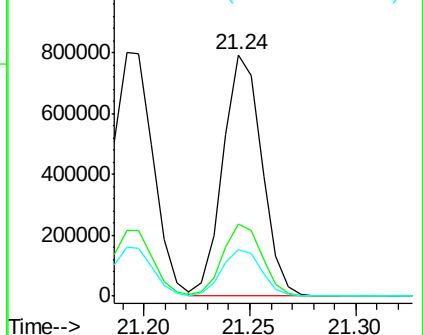
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	19.5	16.2	24.2

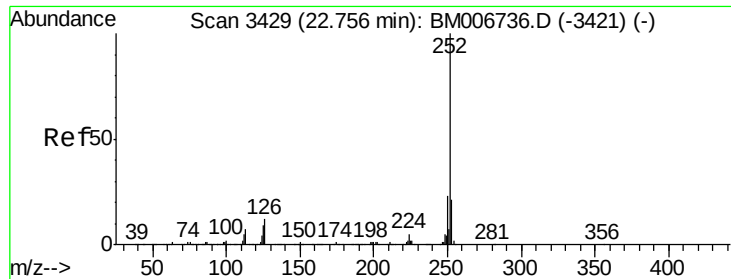


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

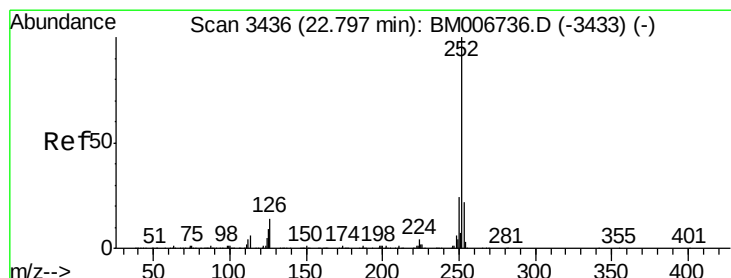
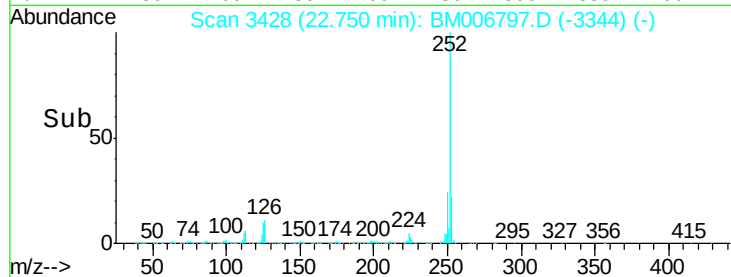
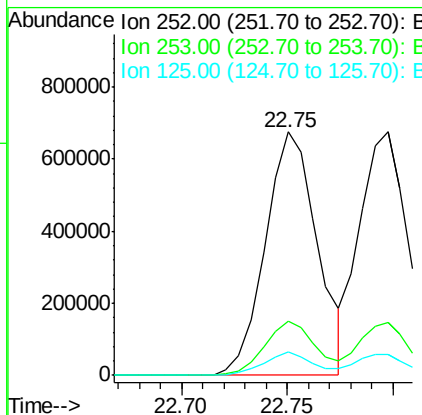
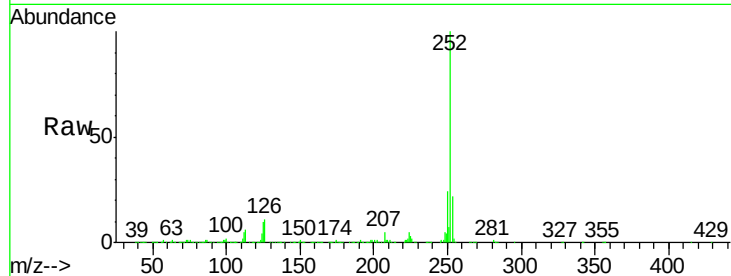




#35
Benzo(b)fluoranthene
Concen: 20.41 ng/ul
RT: 22.75 min Scan# 3428
Delta R.T. -0.01 min
Lab File: BM006797.D
Acq: 31 Jul 2016 20:26

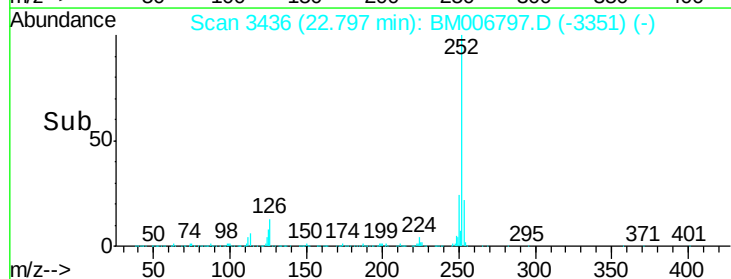
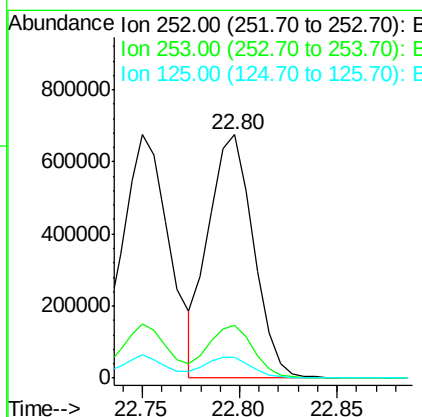
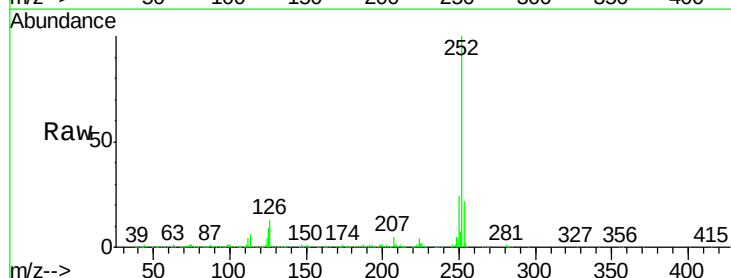
Instrument :
BNA_M
ClientSampleId :

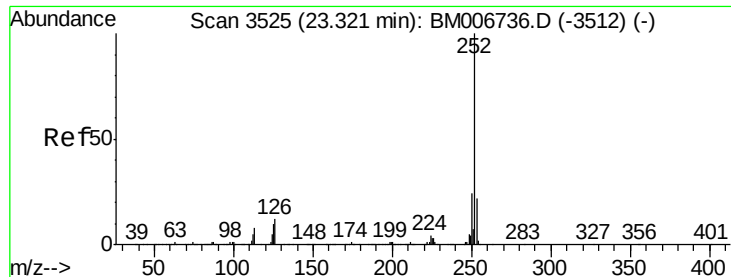
Tot Ion:252 Resp: 1157120
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 9.6 7.6 11.4



#36
Benzo(k)fluoranthene
Concen: 19.60 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. 0.00 min
Lab File: BM006797.D
Acq: 31 Jul 2016 20:26

Tgt Ion:252 Resp: 1074233
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 8.6 7.7 11.5





#38

Benzo(a)pyrene

Concen: 20.10 ng/ul

RT: 23.32 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

Instrument :

BNA_M

ClientSampleId :

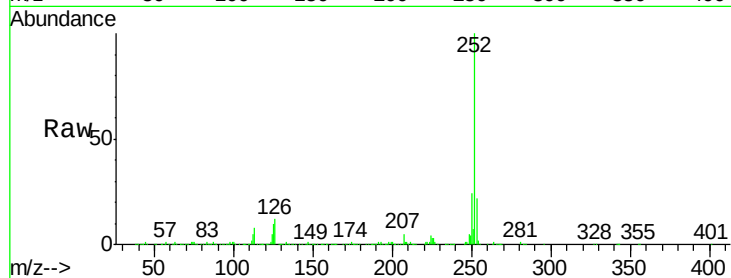
Tot Ion:252 Resp: 1108973

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.1	8.2	12.2

252 100

253 21.9 17.4 26.0

125 10.1 8.2 12.2

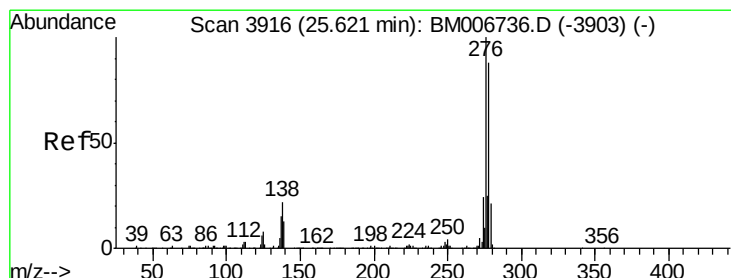
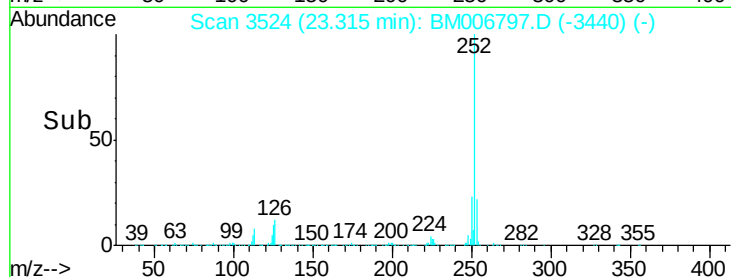
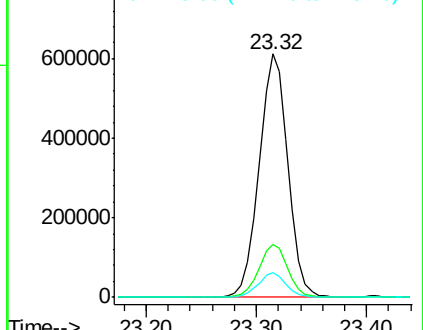


Abundance

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: 20.15 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

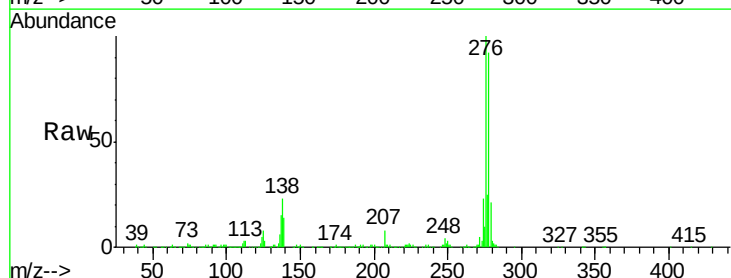
Tgt Ion:276 Resp: 1287672

Ion	Ratio	Lower	Upper
276	100		
138	22.9	15.8	23.6
277	25.2	19.0	28.6

276 100

138 22.9 15.8 23.6

277 25.2 19.0 28.6

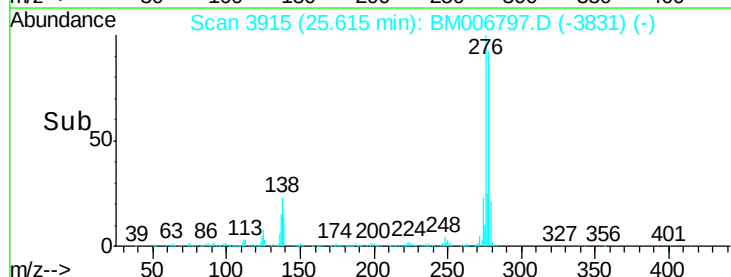
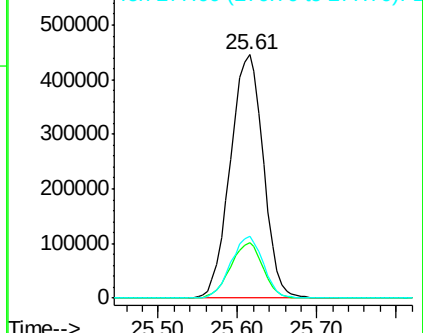


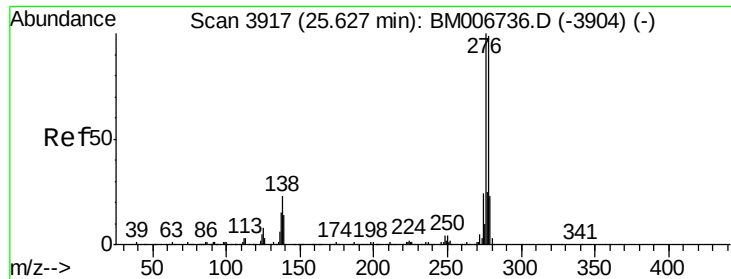
Abundance

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: 20.27 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

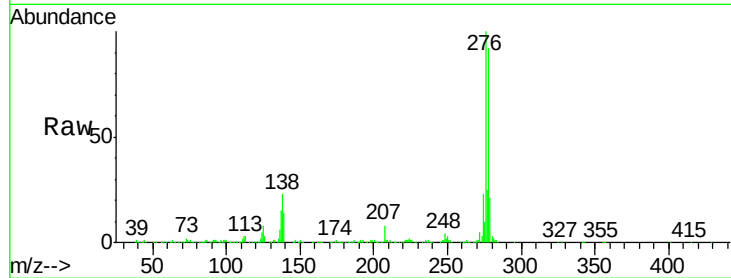
Instrument :

BNA_M

ClientSampled :

Tot Ion:278 Resp: 1073711

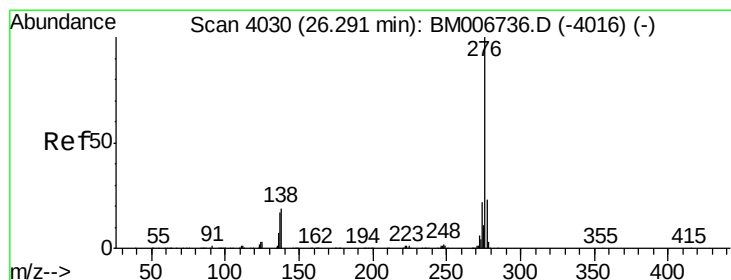
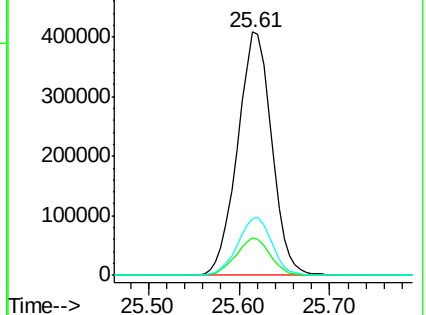
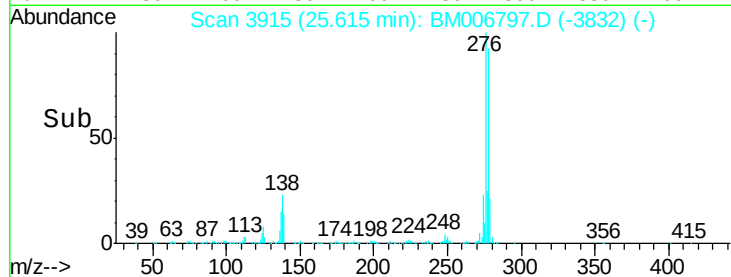
Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.1	18.1
279	23.4	19.8	29.8



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: 19.99 ng/ul

RT: 26.29 min Scan# 4029

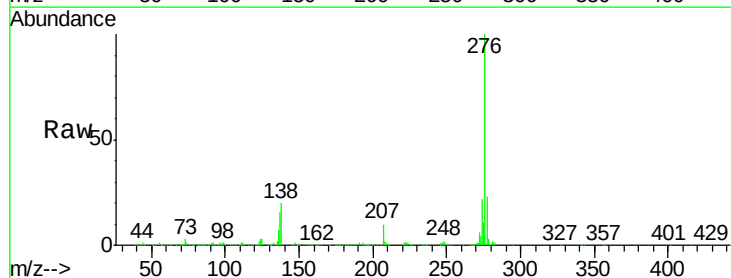
Delta R.T. -0.01 min

Lab File: BM006797.D

Acq: 31 Jul 2016 20:26

Tgt Ion:276 Resp: 1094929

Ion	Ratio	Lower	Upper
276	100		
138	20.1	13.9	20.9
277	23.4	19.8	29.6



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

