

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006176.D
 Acq On : 01 Jul 2016 11:14
 Operator : UM/SJ
 Sample : H3780-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4

Manual Integrations
 APPROVED

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 7/1/2016 7:16:44 PM

Quant Time: Jul 01 17:44:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	314953	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1510605	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	867378	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1926784	20.00	ng/ul	0.01
29) Chrysene-d12	21.27	240	1374355	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1465357	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	7374	1.09	ng/uL	0.00
3) Phenol-d5	6.84	99	478310	18.59	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.99	67	276903	18.25	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	360488	18.25	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	397800	19.21	ng/ul	0.00
8) Nitrobenzene-d5	8.82	128	186286	18.31	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	220239	18.91	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	388351	18.28	ng/ul	0.01
12) 4-Chloroaniline-d4	10.58	131	288824	17.20	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1191666	19.17	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1497442	19.85	ng/ul	0.01
20) 4-Nitrophenol-d4	14.53	143	233469	19.79	ng/ul	0.02
21) Fluorene-d10	15.31	176	1039996	19.60	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.45	200	195376	28.63	ng/ul	0.02
26) Anthracene-d10	17.16	188	1597065	20.66	ng/ul	0.01
30) Pyrene-d10	19.47	212	1521989	27.50	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1202024	20.61	ng/ul	0.04

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	114252	1.73	ng/ul	100
18) Acenaphthylene	14.03	152	111623	1.41	ng/ul	96
19) Acenaphthene	14.37	153	158247	3.14	ng/ul	97
22) Fluorene	15.36	166	239838	4.18	ng/ul	97
25) Phenanthrene	17.11	178	4446840	48.77	ng/ul	99
27) Anthracene	17.20	178	983355	10.49	ng/ul	100
28) Fluoranthene	19.14	202	6619674	59.28	ng/ul	95
31) Pyrene	19.50	202	5488886	75.72	ng/ul#	92
32) Benzo(a)anthracene	21.25	228	2572327	35.99	ng/ul	98
33) Chrysene	21.30	228	2630615	39.98	ng/ul	96
35) Benzo(b)fluoranthene	22.84	252	3430463	45.11	ng/ul	98
36) Benzo(k)fluoranthene	22.87	252	1079424m	15.13	ng/ul	
38) Benzo(a)pyrene	23.40	252	2245408	31.25	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.74	276	1751122	23.45	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.74	278	463638m	7.50	ng/ul	
41) Benzo(g,h,i)perylene	26.43	276	1641024	26.25	ng/ul	97

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

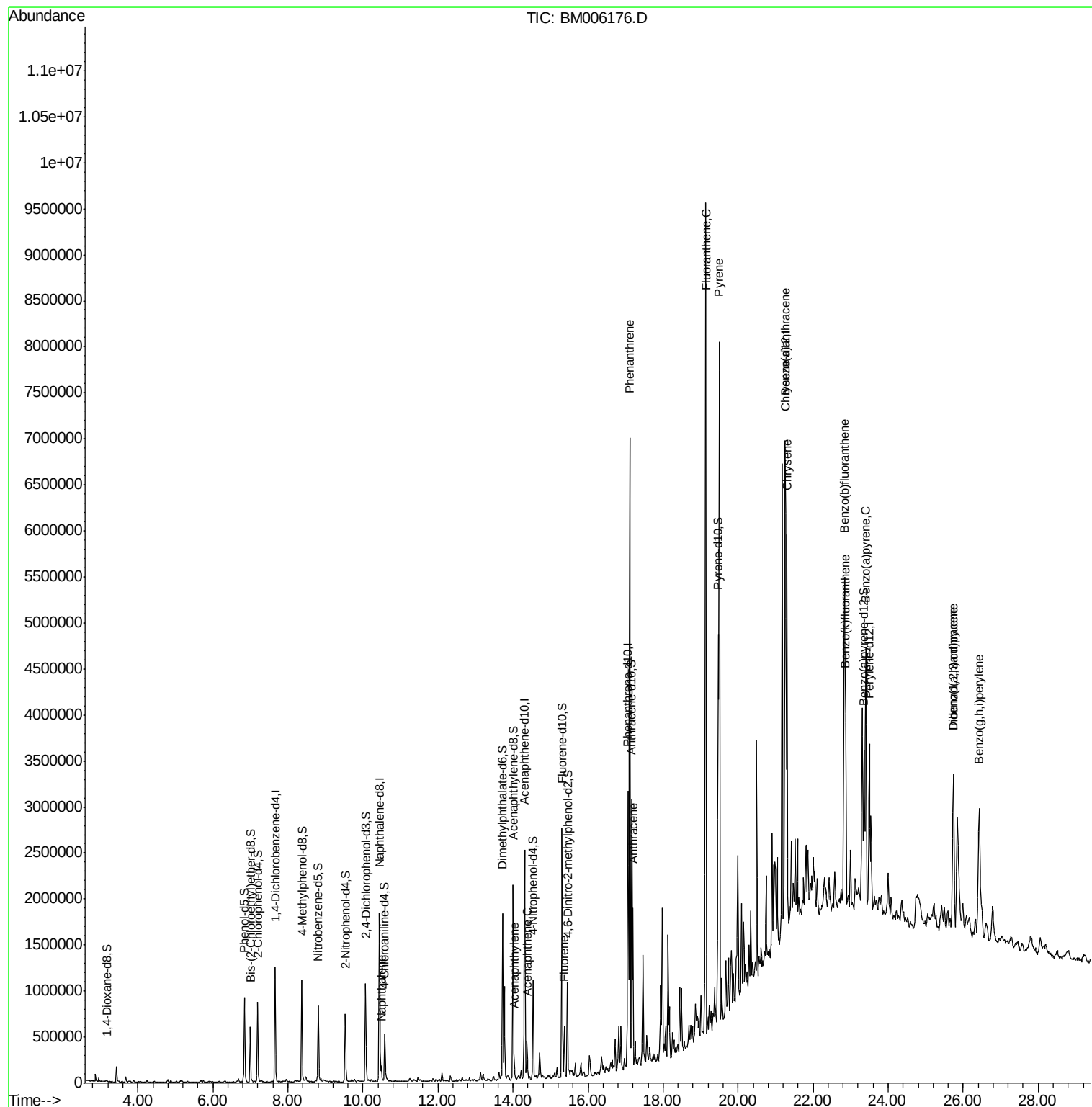
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
Data File : BM006176.D
Acq On : 01 Jul 2016 11:14
Operator : UM/SJ
Sample : H3780-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

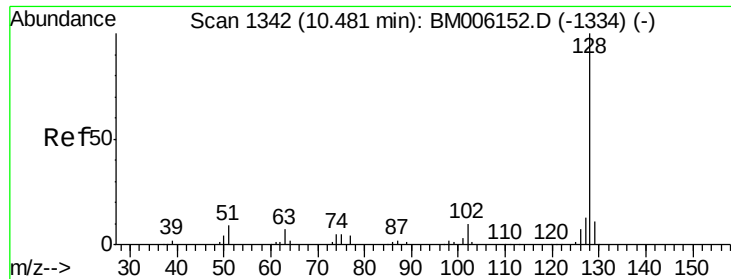
Instrument :
BNA_M
ClientSampleId :
D9YF4

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Quant Time: Jul 01 17:44:06 2016
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Quant Title : SVOA CALIBRATION
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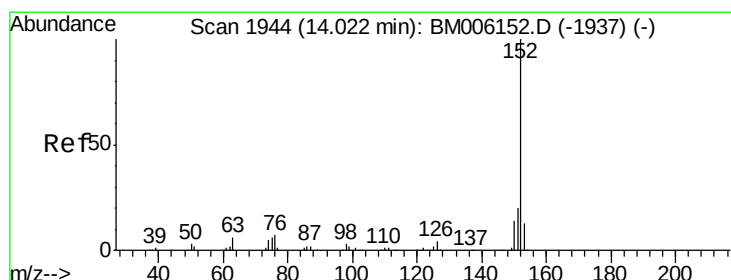
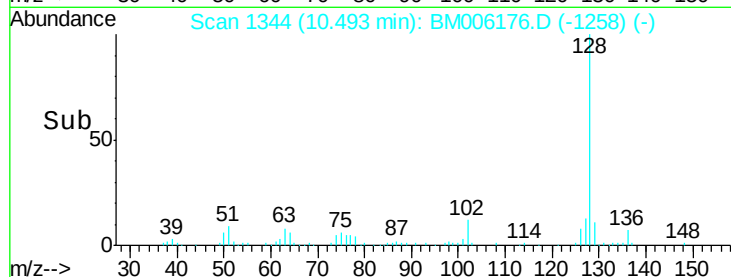
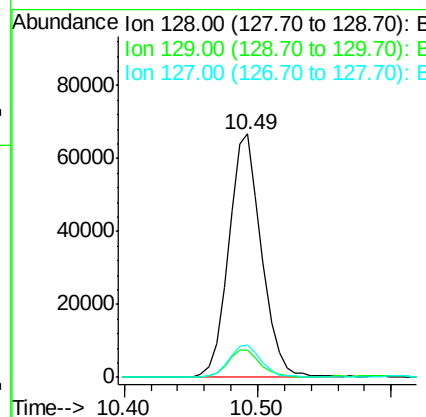
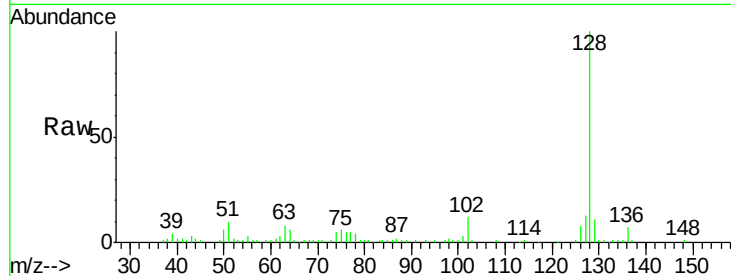
#11
Naphthalene
Concen: 1.73 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Instrument :
BNA_M
ClientSampleId :
D9YF4

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	114252		
129	11.0	8.9	13.3	
127	13.3	10.5	15.7	

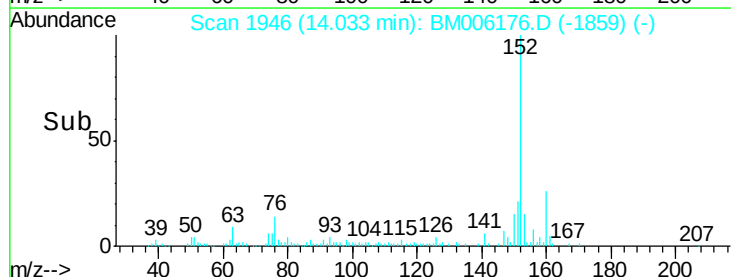
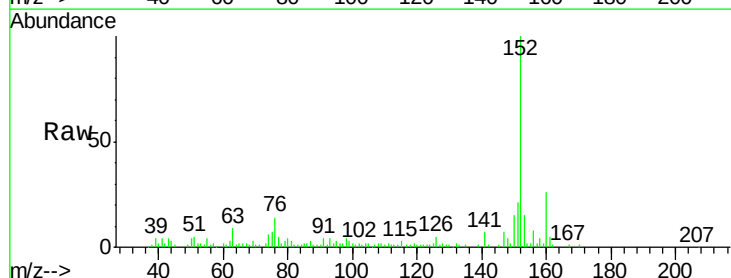
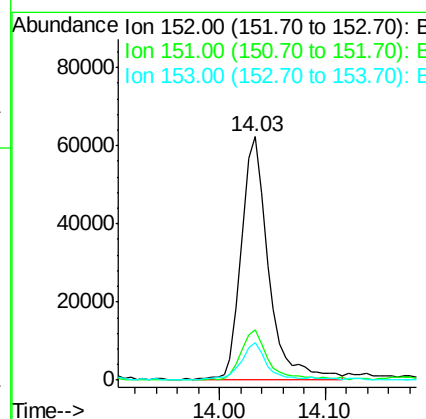
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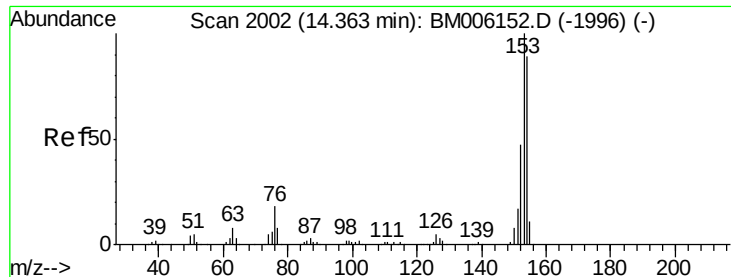
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#18
Acenaphthylene
Concen: 1.41 ng/ul
RT: 14.03 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	111623		
151	20.8	15.8	23.6	
153	15.4	10.3	15.5	





#19

Acenaphthene

Concen: 3.14 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

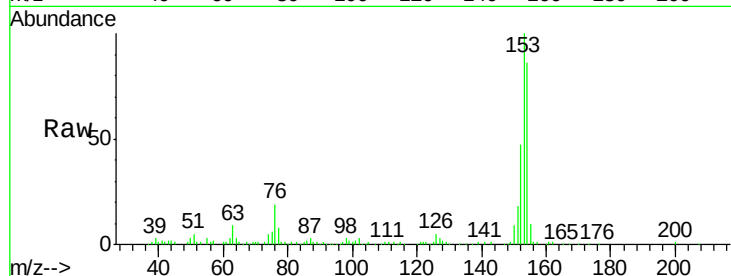
ClientSampled :

D9YF4

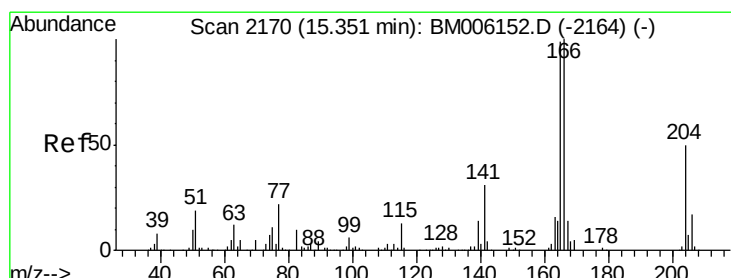
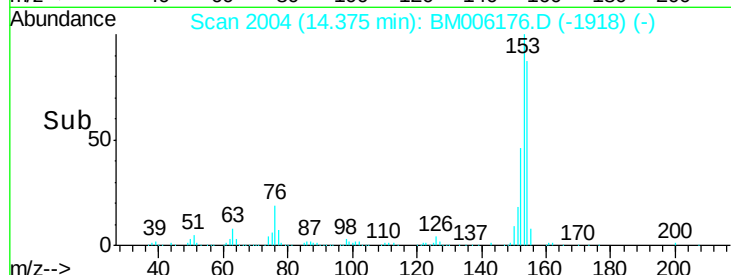
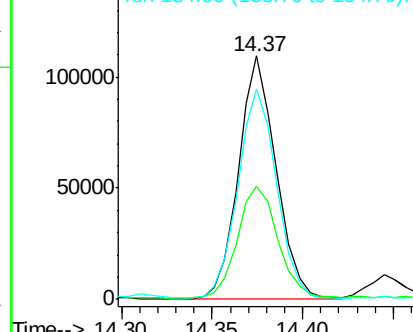
Tgt Ion:	153	Resp:	158247
Ion Ratio	Lower	Upper	
153	100		
152	46.5	38.1	57.1
154	86.4	71.6	107.4

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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: 4.18 ng/ul

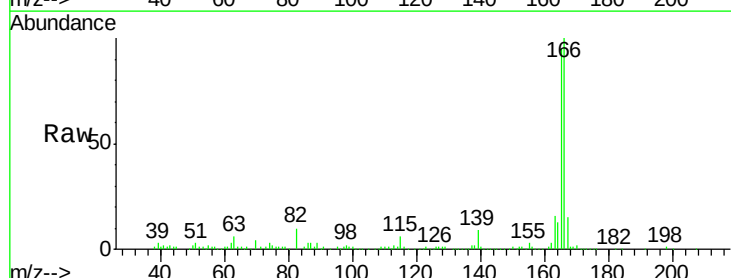
RT: 15.36 min Scan# 2172

Delta R.T. 0.01 min

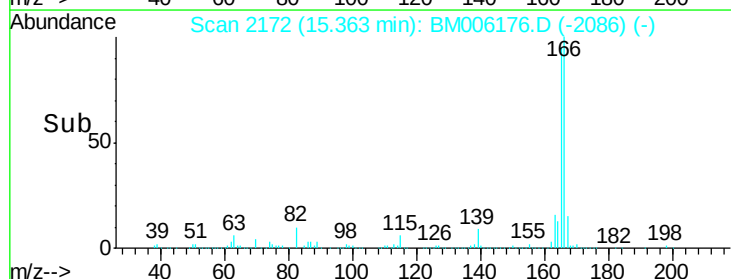
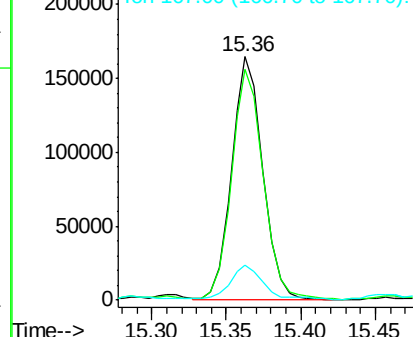
Lab File: BM006176.D

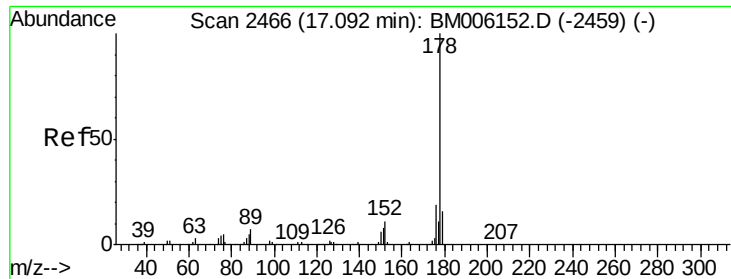
Acq: 01 Jul 2016 11:14

Tgt Ion:	166	Resp:	239838
Ion Ratio	Lower	Upper	
166	100		
165	94.9	78.4	117.6
167	14.5	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: 48.77 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

Tgt Ion:178 Resp: 4446840

Ion Ratio Lower Upper

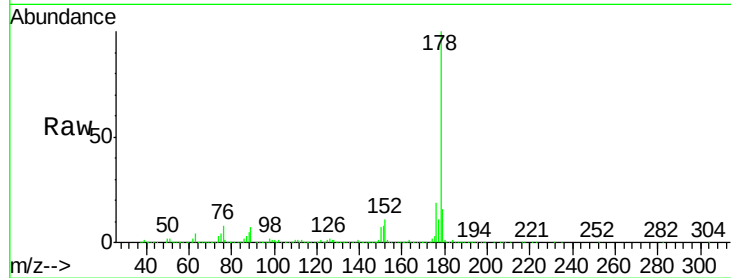
178 100

179 15.7 12.2 18.2

176 19.1 15.3 22.9

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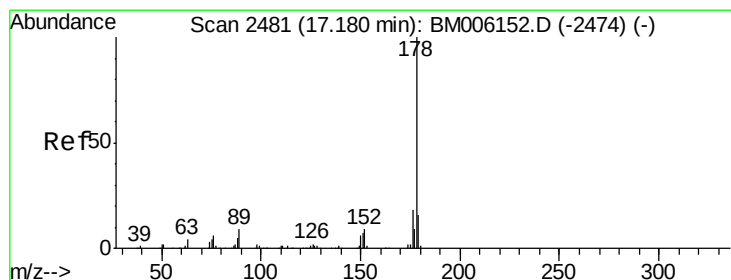
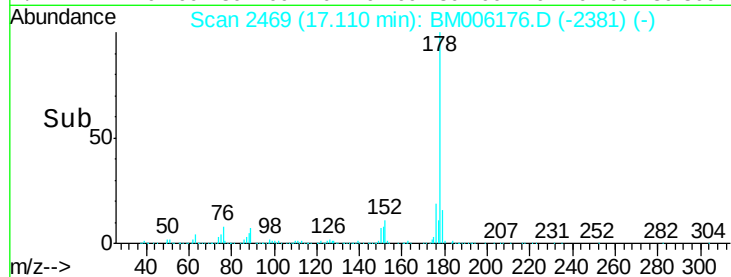
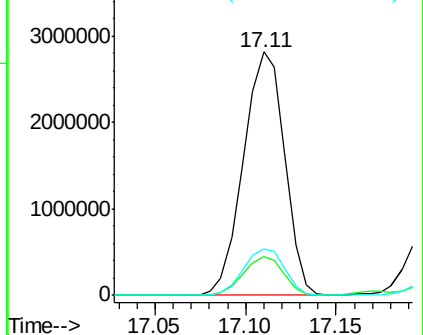
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 10.49 ng/ul

RT: 17.20 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

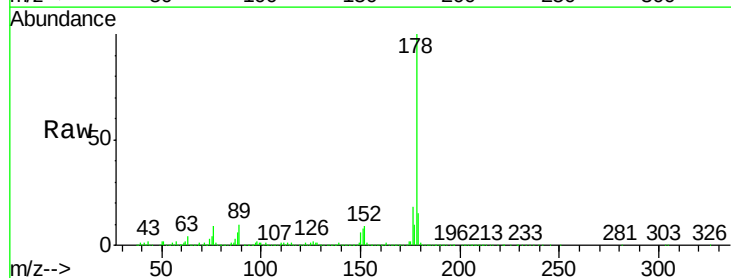
Tgt Ion:178 Resp: 983355

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

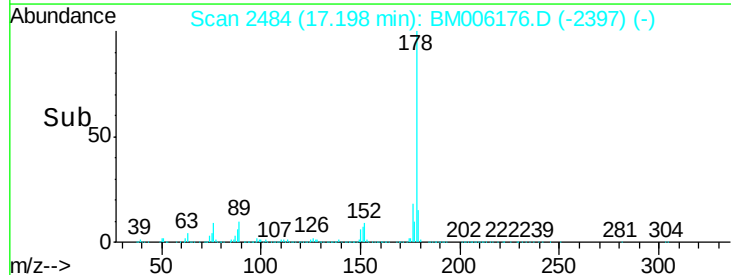
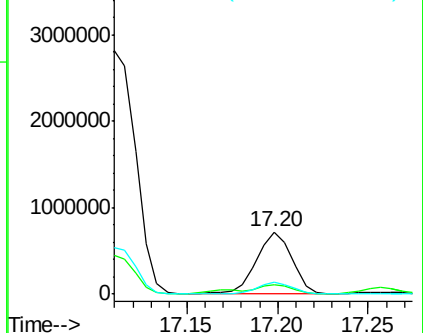
176 18.4 14.6 22.0

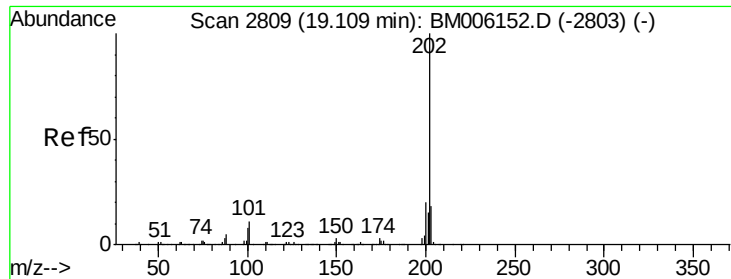


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 59.28 ng/ul

RT: 19.14 min Scan# 2814

Delta R.T. 0.02 min

Lab File: BM006176.D

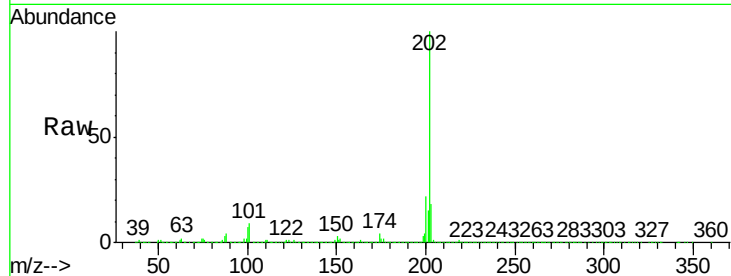
Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

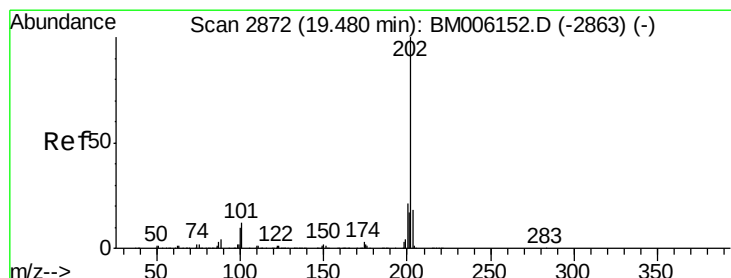
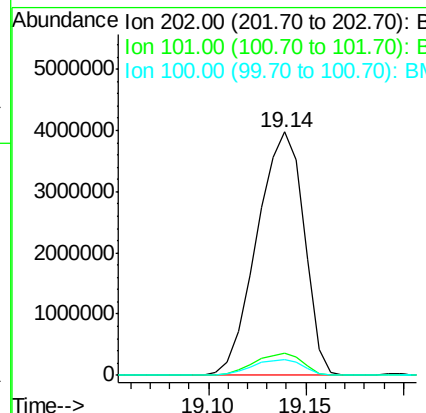
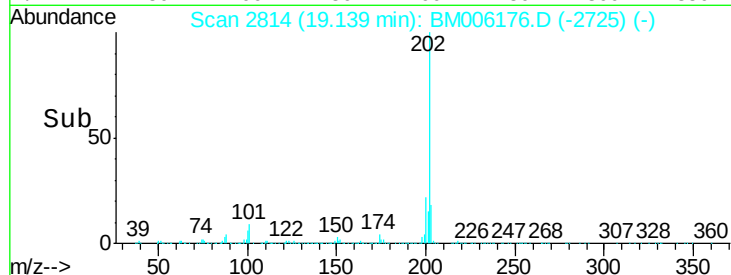
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	8.5	12.7
100	6.5	6.5	9.7

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#31

Pyrene

Concen: 75.72 ng/ul

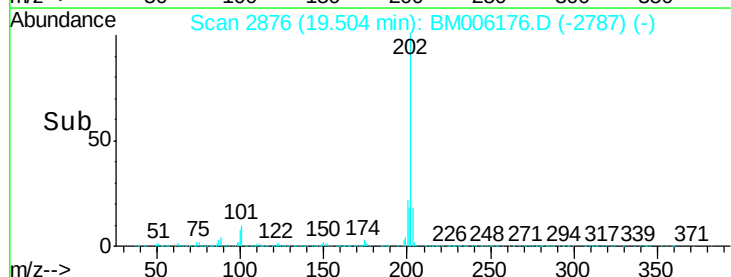
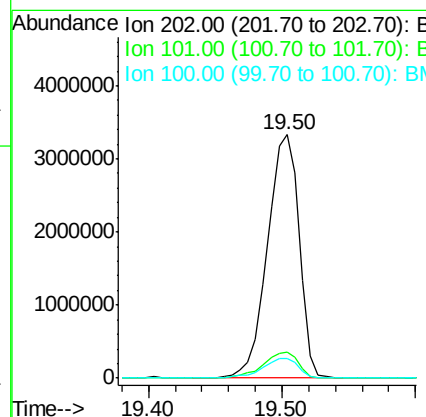
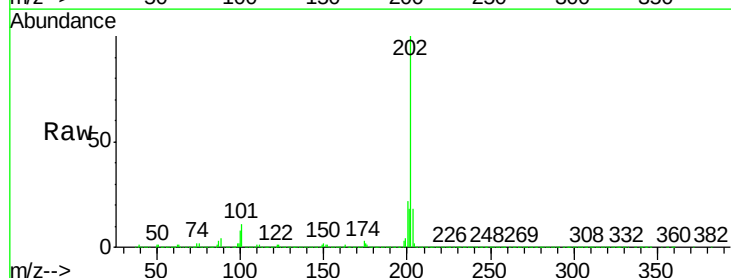
RT: 19.50 min Scan# 2876

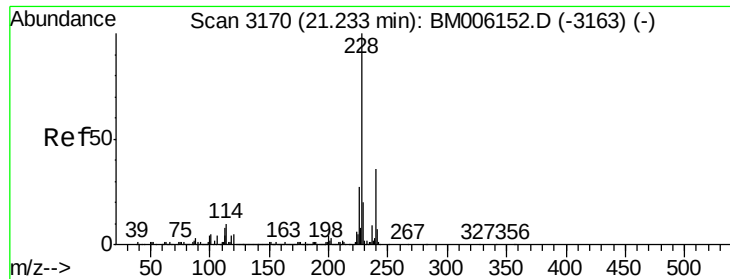
Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	11.0	16.4#
100	8.2	8.9	13.3#





#32

Benzo(a)anthracene

Concen: 35.99 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

Tgt Ion:228 Resp: 2572327

Ion Ratio Lower Upper

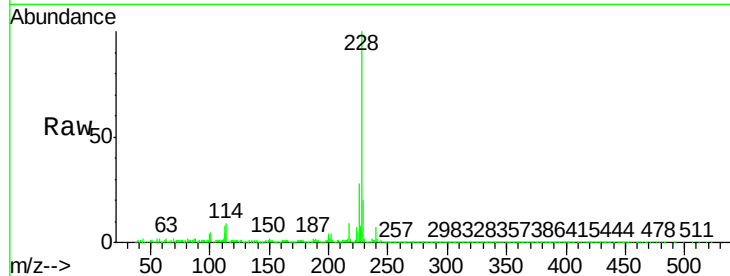
228 100

229 20.5 15.6 23.4

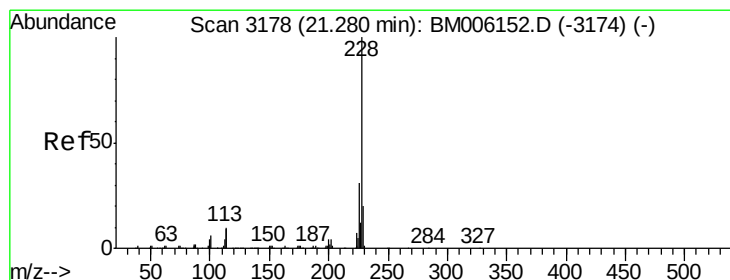
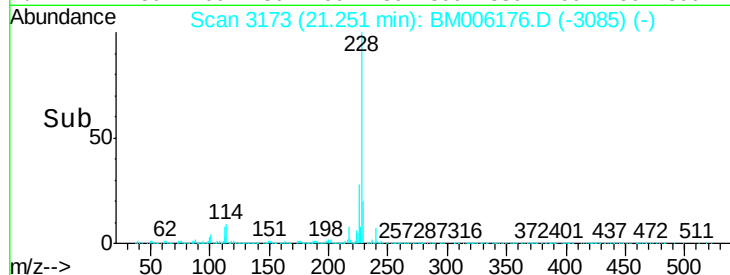
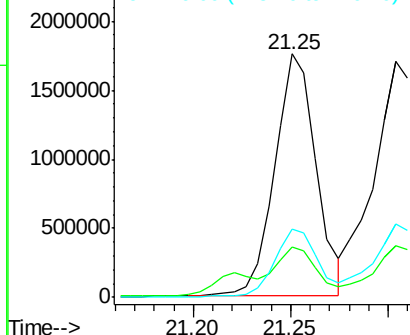
226 27.9 21.6 32.4

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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: 39.98 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Tgt Ion:228 Resp: 2630615

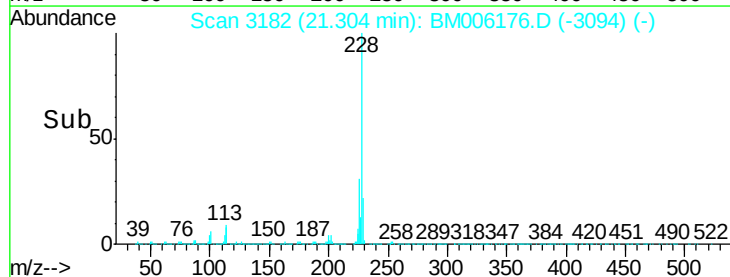
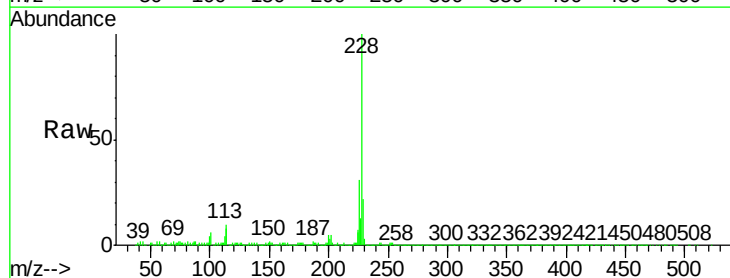
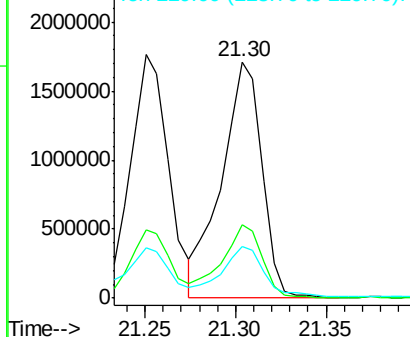
Ion Ratio Lower Upper

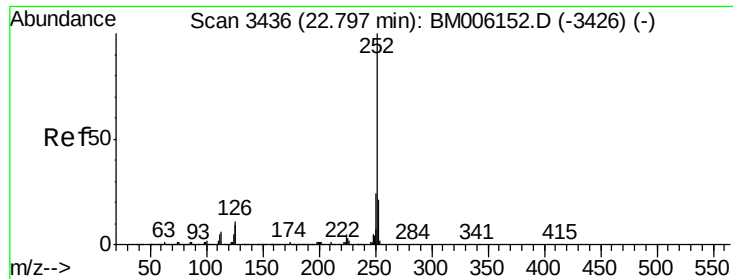
228 100

226 31.2 23.8 35.6

229 21.9 15.8 23.6

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





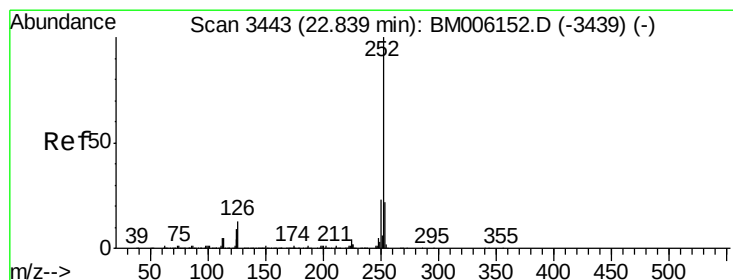
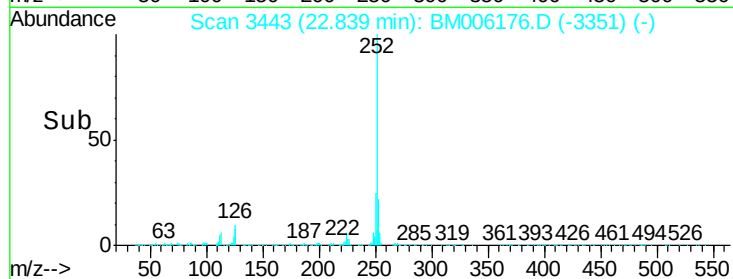
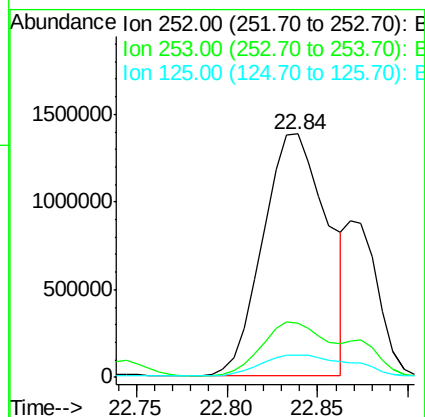
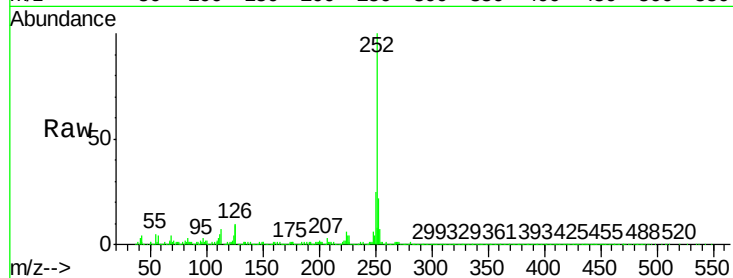
#35
Benzo(b)fluoranthene
Concen: 45.11 ng/ul
RT: 22.84 min Scan# 3443
Delta R.T. 0.04 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Instrument :
BNA_M
ClientSampleId :
D9YF4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	9.2	7.8	11.6

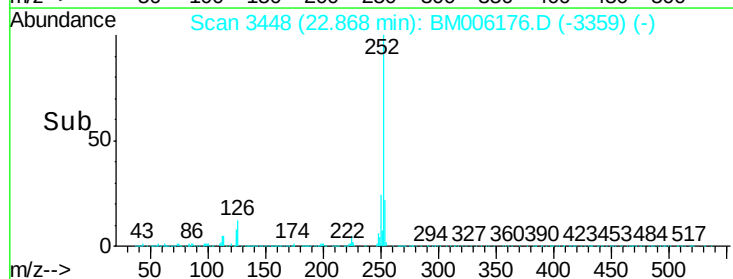
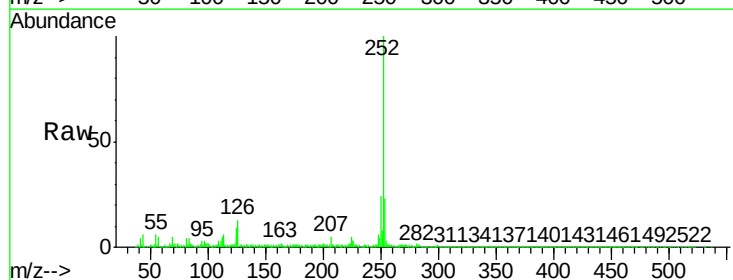
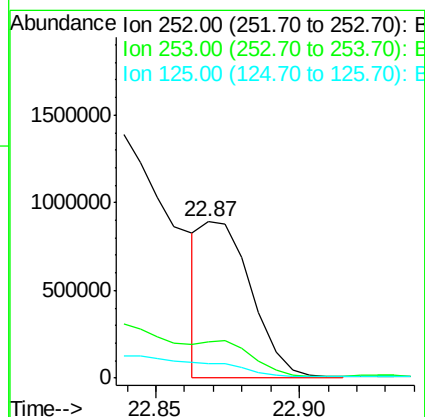
Manual Integrations
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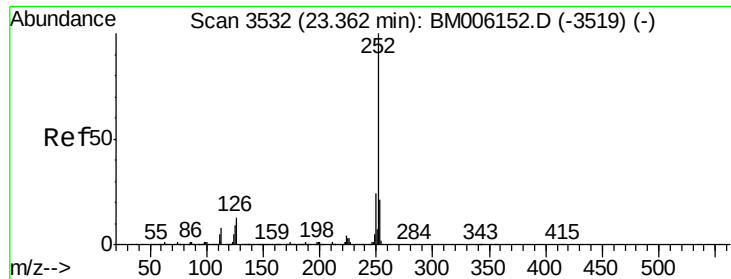
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#36
Benzo(k)fluoranthene
Concen: 15.13 ng/ul m
RT: 22.87 min Scan# 3448
Delta R.T. 0.02 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.4	8.1	12.1





#38

Benzo(a)pyrene

Concen: 31.25 ng/ul

RT: 23.40 min Scan# 3539

Delta R.T. 0.04 min

Lab File: BM006176.D

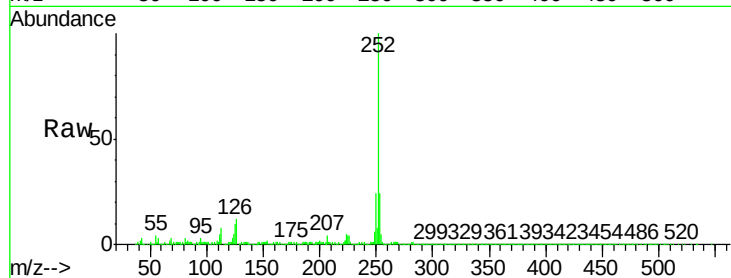
Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4



Tgt Ion:252 Resp: 2245408

Ion Ratio Lower Upper

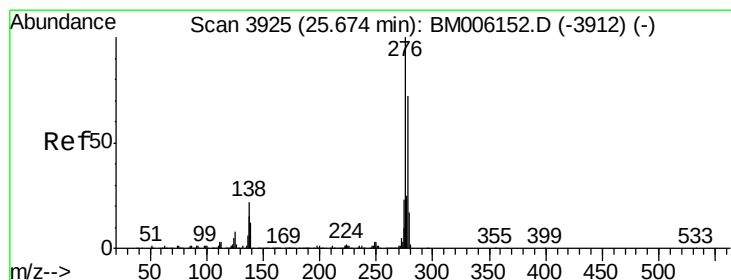
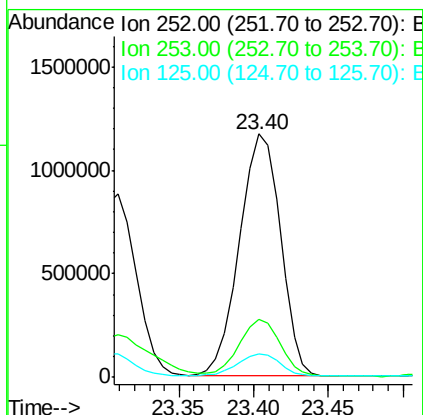
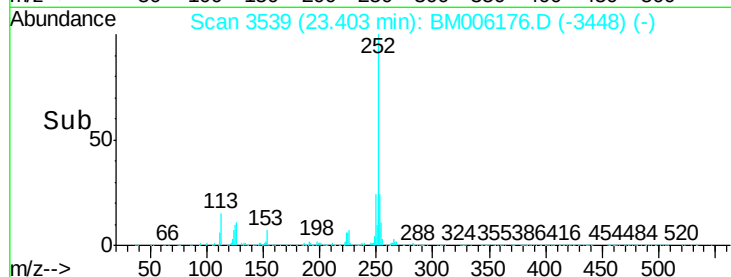
252 100

253 23.6 17.8 26.6

125 9.7 8.7 13.1

Manual Integrations
APPROVED

sohil
7/1/2016 7:16:44 PM



#39

Indeno(1,2,3-cd)pyrene

Concen: 23.45 ng/ul

RT: 25.74 min Scan# 3937

Delta R.T. 0.06 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

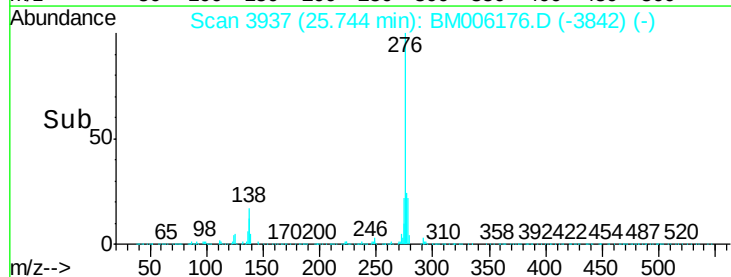
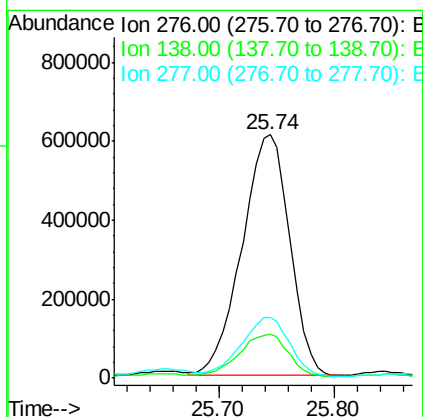
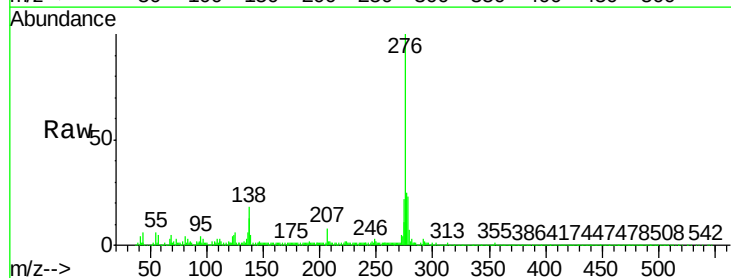
Tgt Ion:276 Resp: 1751122

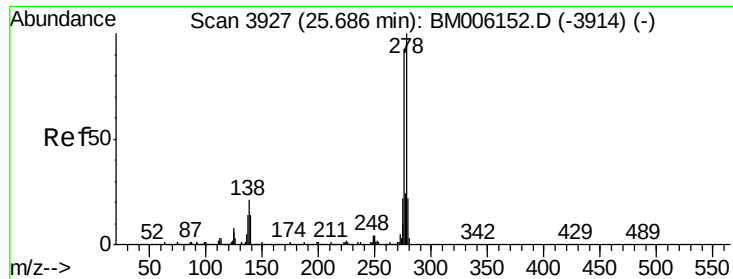
Ion Ratio Lower Upper

276 100

138 17.9 20.4 30.6#

277 24.8 20.6 30.8





#40

Dibenzo(a,h)anthracene

Concen: 7.50 ng/ul m

RT: 25.74 min Scan# 3936

Delta R.T. 0.05 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

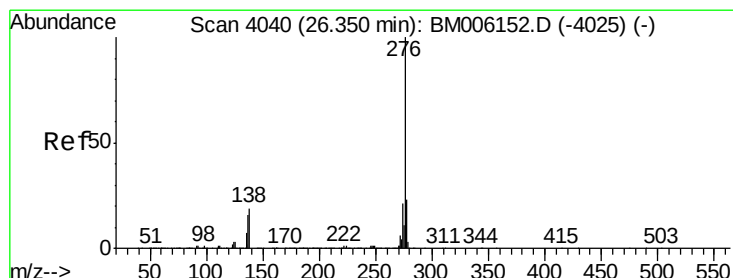
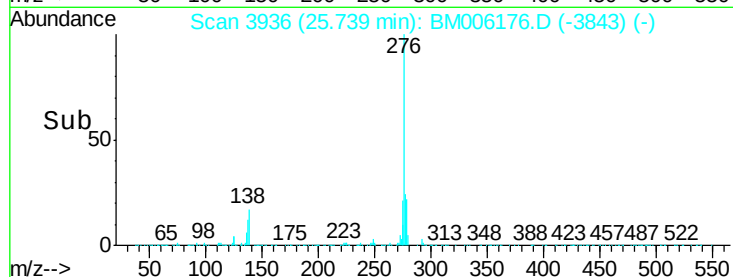
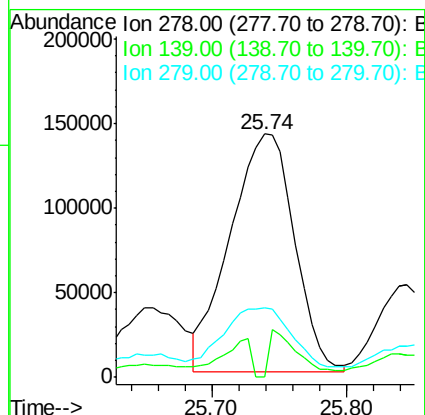
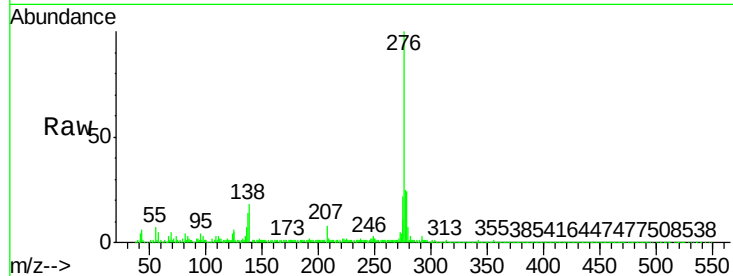
ClientSampleId :

D9YF4

Tgt Ion:	278	Resp:	463638
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.0	19.4#
279	28.8	18.8	28.2#

Manual Integrations
APPROVED

sohil
7/1/2016 7:16:44 PM



#41

Benzo(g,h,i)perylene

Concen: 26.25 ng/ul

RT: 26.43 min Scan# 4054

Delta R.T. 0.08 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Tgt Ion:	276	Resp:	1641024
Ion Ratio	Lower	Upper	
276	100		
138	19.3	16.6	25.0
277	24.7	18.9	28.3

