

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050216\
 Data File : BM005207.D
 Acq On : 03 May 2016 00:16
 Operator : UM/SJ
 Sample : H2772-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Manual Integrations
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 5/3/2016 6:34:54 PM

Quant Time: May 03 11:11:20 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 03 03:20:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	48722	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	232656	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	141131	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	309958	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	272109	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	228219	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	3280	3.42	ng/uL	0.00
5) Phenol-d5	6.95	99	70622	17.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	46592	20.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	58979	18.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	45247	13.24	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	29913	18.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	34106	18.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	63043	18.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	87320	21.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	227053	20.37	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	269244	20.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	20209	10.37	ng/ul	0.00
57) Fluorene-d10	15.42	176	201365	20.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	22875	12.97	ng/ul	0.00
70) Anthracene-d10	17.27	188	299057	21.52	ng/ul	0.00
76) Pyrene-d10	19.57	212	321590	25.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	229549	22.45	ng/ul	0.00

Target Compounds

						Ovalue
44) Dimethylphthalate	13.88	163	30938	2.77	ng/ul	100
49) Acenaphthene	14.49	153	31659	3.43	ng/ul	100
53) Dibenzofuran	14.83	168	16472	1.21	ng/ul	99
58) Fluorene	15.47	166	25807	2.44	ng/ul	98
69) Phenanthrene	17.22	178	248691	15.08	ng/ul	99
71) Anthracene	17.30	178	72725	4.37	ng/ul	99
72) Carbazole	17.58	167	46495	3.26	ng/ul	99
74) Fluoranthene	19.23	202	336066	18.51	ng/ul	100
77) Pyrene	19.60	202	246248	15.67	ng/ul	99
80) Benzo(a)anthracene	21.34	228	135481	8.70	ng/ul	99
82) Chrysene	21.40	228	117296	7.87	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	130060	9.46	ng/ul	96
86) Benzo(k)fluoranthene	23.00	252	44096m	3.30	ng/ul	
88) Benzo(a)pyrene	23.54	252	80263	6.25	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.94	276	46528	3.80	ng/ul	97
90) Dibenzo(a,h)anthracene	25.94	278	14077	1.38	ng/ul#	80
91) Benzo(g,h,i)perylene	26.64	276	36422	3.64	ng/ul	97

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

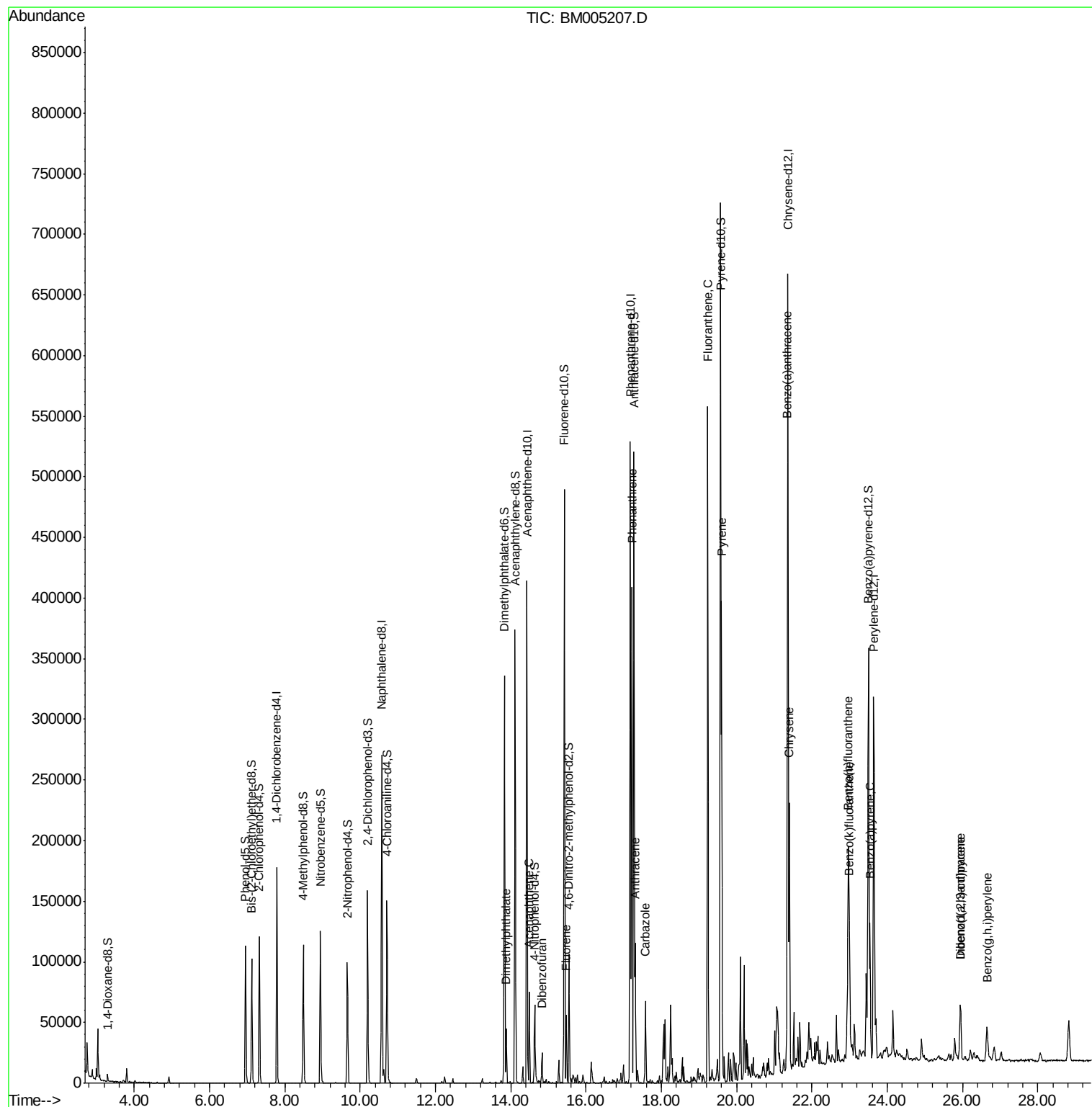
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050216\
Data File : BM005207.D
Acq On : 03 May 2016 00:16
Operator : UM/SJ
Sample : H2772-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

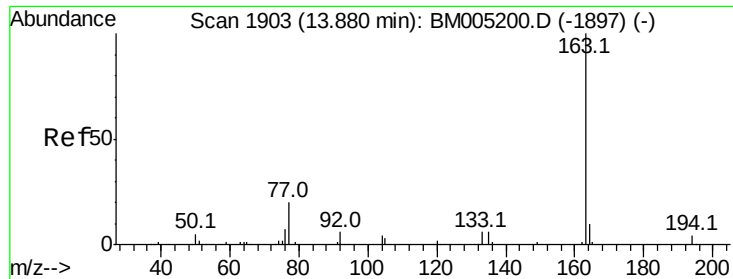
Instrument :
BNA_M
ClientSampled :
BD3C5

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Quant Time: May 03 11:11:20 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 03 03:20:39 2016
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.77 ng/ul

RT: 13.88 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

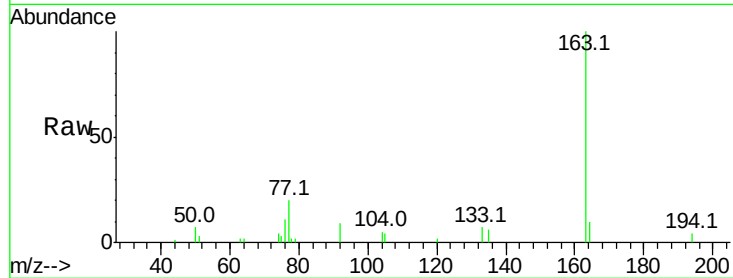
ClientSampleId :

BD3C5

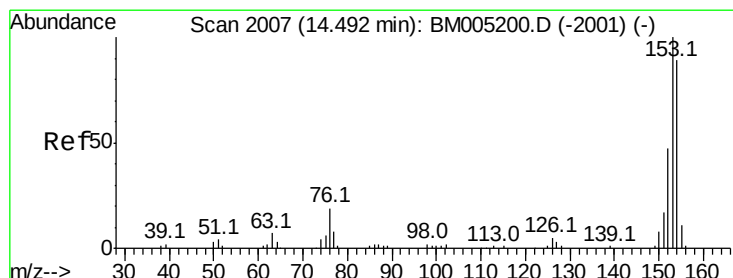
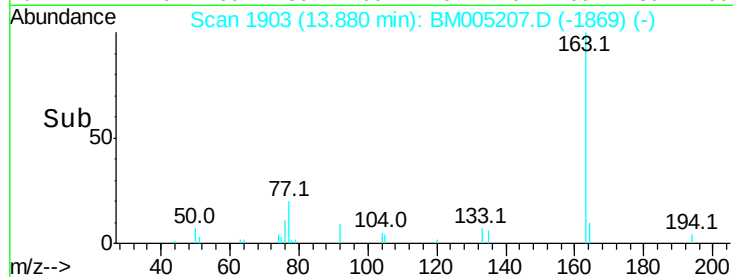
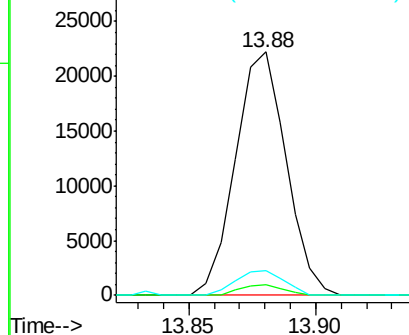
Tot Ion:	163	Resp:	30938
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.1	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 3.43 ng/ul

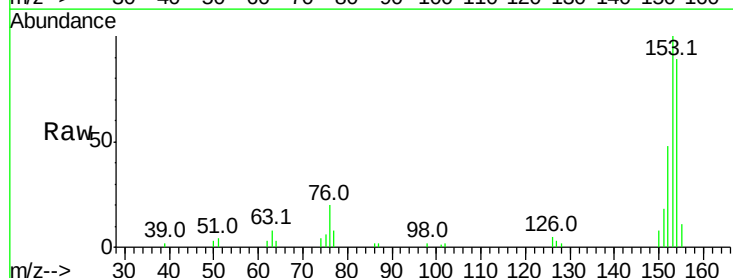
RT: 14.49 min Scan# 2006

Delta R.T. -0.01 min

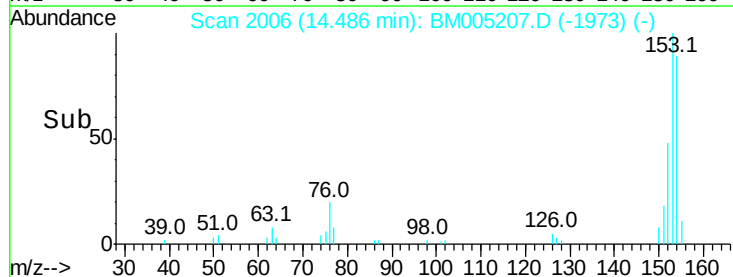
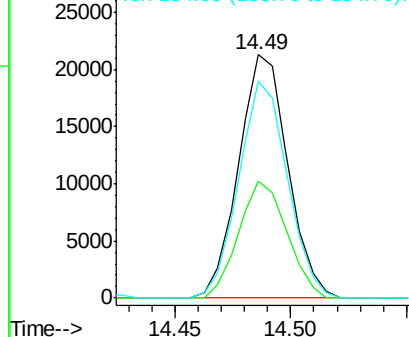
Lab File: BM005207.D

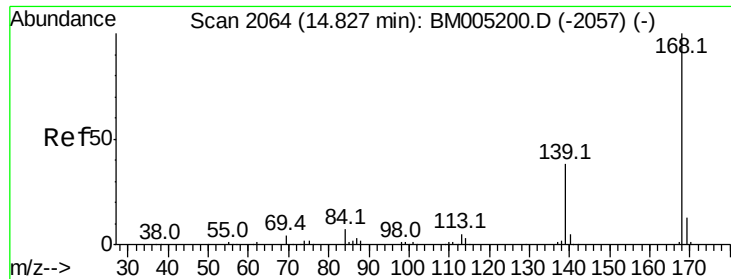
Acq: 03 May 2016 00:16

Tgt Ion:	153	Resp:	31659
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.7	56.5
154	89.2	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





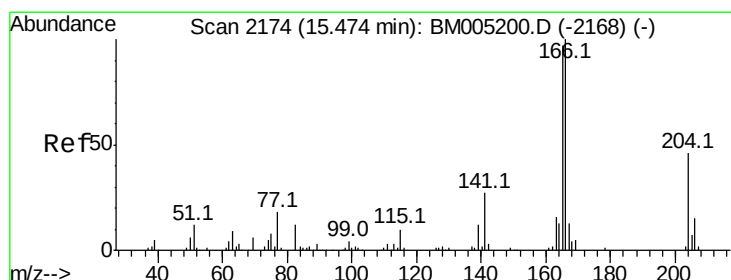
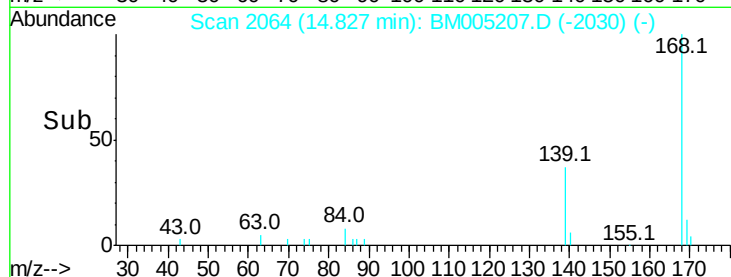
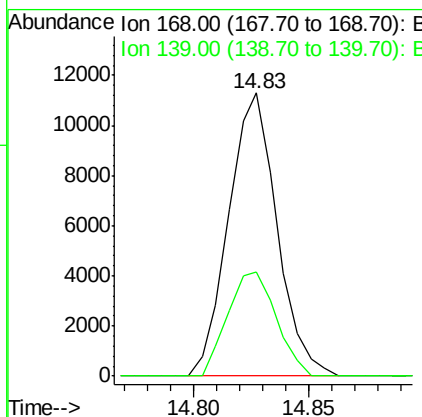
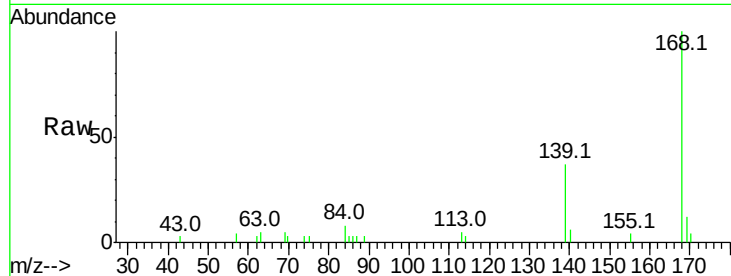
#53
Dibenzenofuran
Concen: 1.21 ng/ul
RT: 14.83 min Scan# 2064
Delta R.T. -0.00 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

Instrument :
BNA_M
ClientSampleId :
BD3C5

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.9	44.9

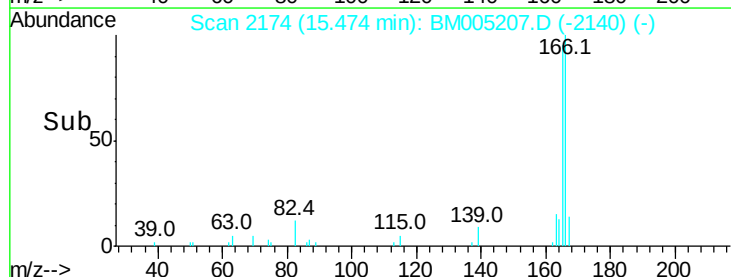
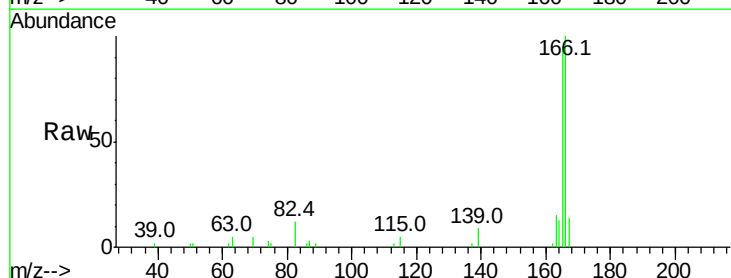
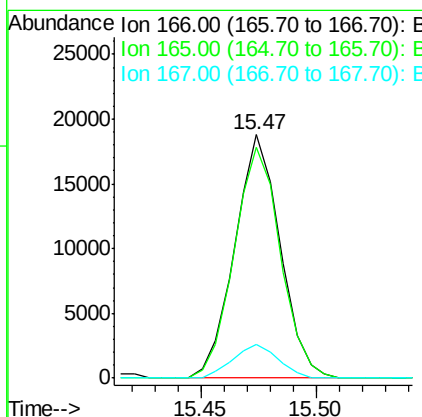
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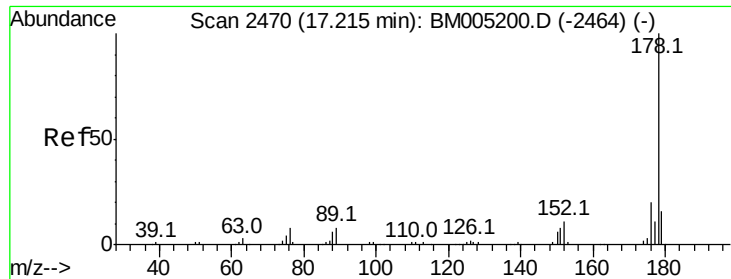
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#58
Fluorene
Concen: 2.44 ng/ul
RT: 15.47 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.9	77.7	116.5
167	13.6	10.9	16.3





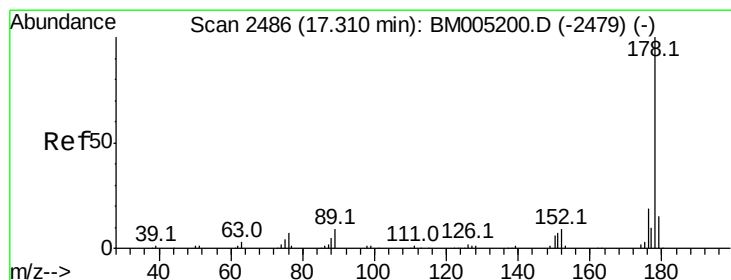
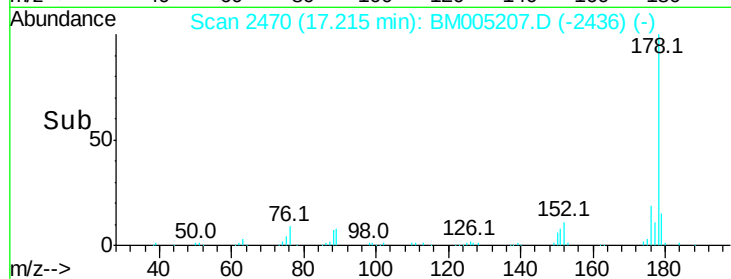
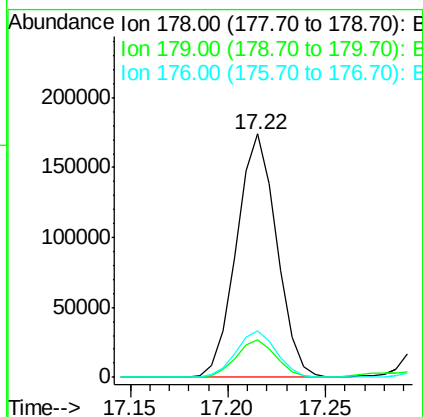
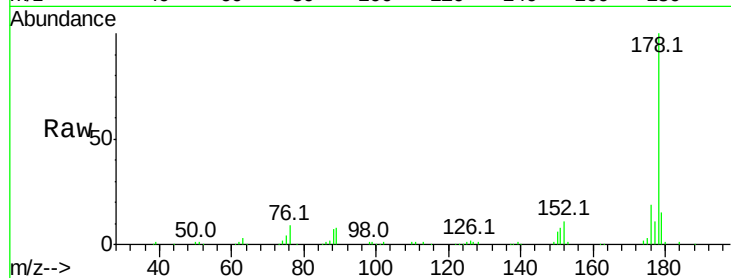
#69
 Phenanthrene
 Concen: 15.08 ng/ul
 RT: 17.22 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: BM005207.D
 Acq: 03 May 2016 00:16

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Tot Ion	Ratio	Resp	Lower	Upper
178	100	248691		
179	15.3		11.8	17.8
176	18.9		15.2	22.8

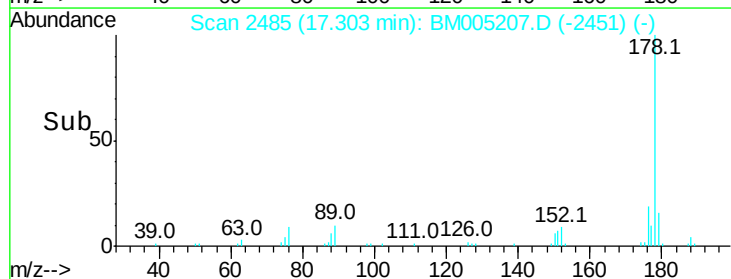
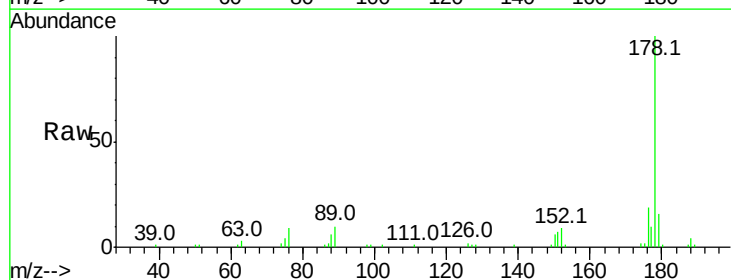
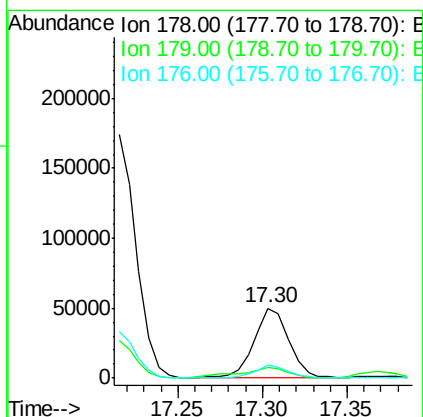
Manual Integrations
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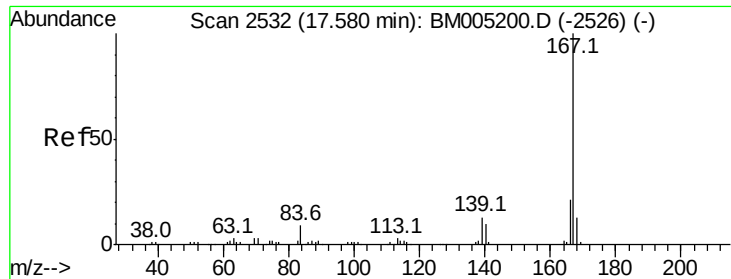
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#71
 Anthracene
 Concen: 4.37 ng/ul
 RT: 17.30 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BM005207.D
 Acq: 03 May 2016 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	72725		
179	15.6		12.1	18.1
176	18.7		14.6	22.0





#72

Carbazole

Concen: 3.26 ng/ul

RT: 17.58 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

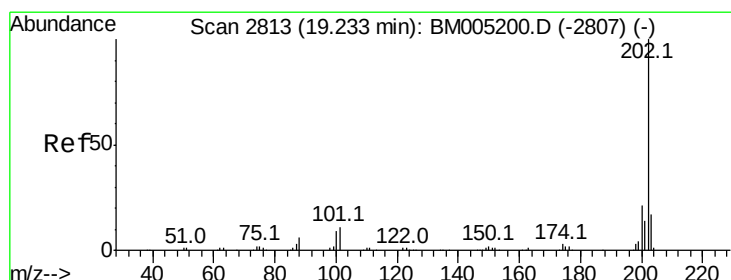
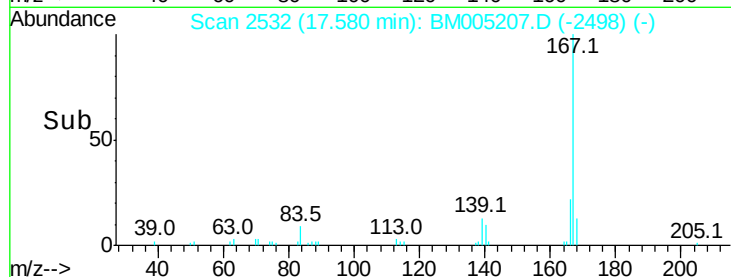
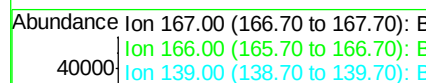
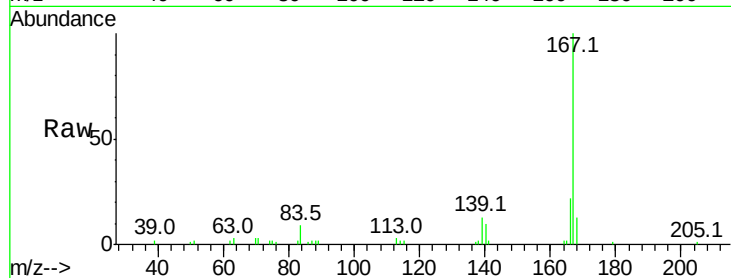
ClientSampleId :

BD3C5

Tot Ion:	167	Resp:	46495
Ion Ratio		Lower	Upper
167	100		
166	21.5	16.6	25.0
139	13.2	10.2	15.4

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#74

Fluoranthene

Concen: 18.51 ng/ul

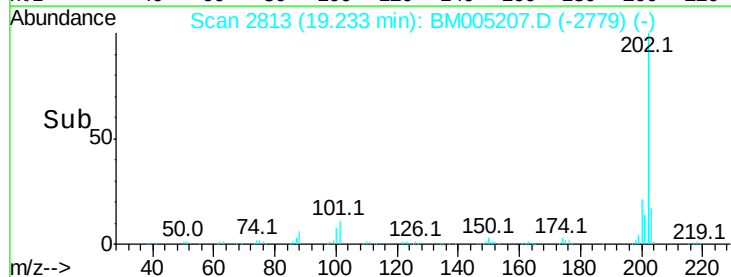
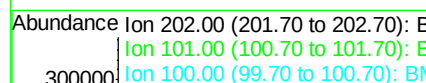
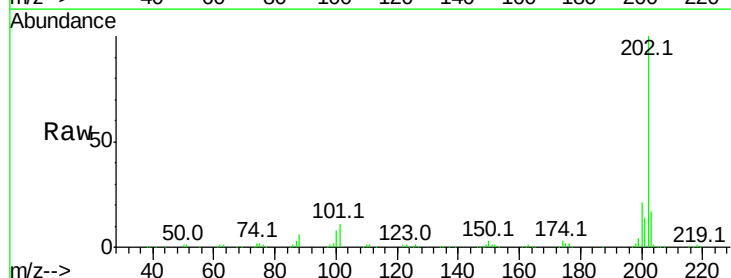
RT: 19.23 min Scan# 2813

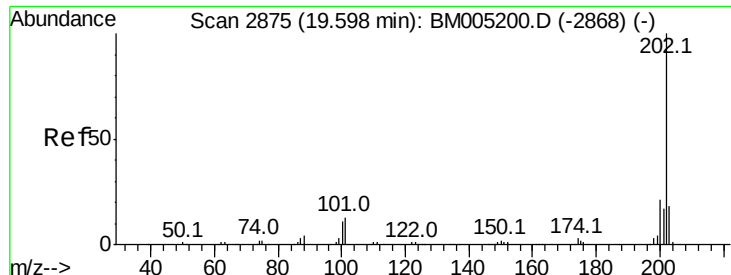
Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Tgt Ion:	202	Resp:	336066
Ion Ratio		Lower	Upper
202	100		
101	11.4	9.0	13.4
100	8.4	6.6	10.0





#77

Pvrene

Concen: 15.67 ng/ul

RT: 19.60 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

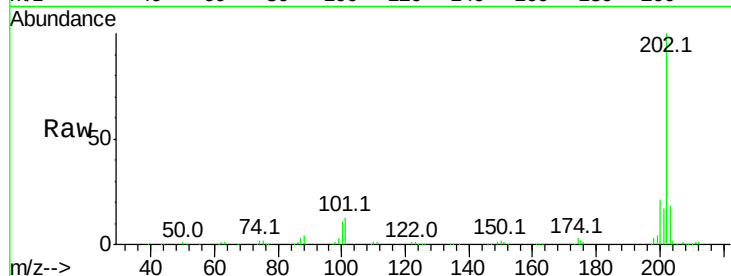
ClientSampleId :

BD3C5

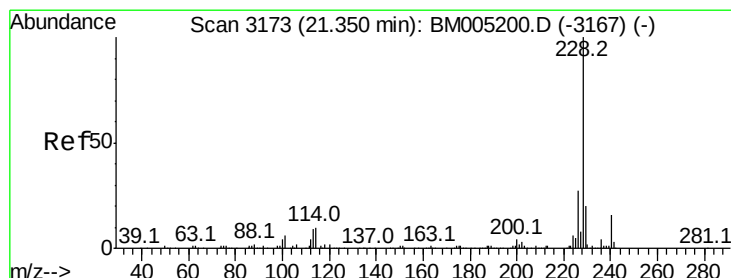
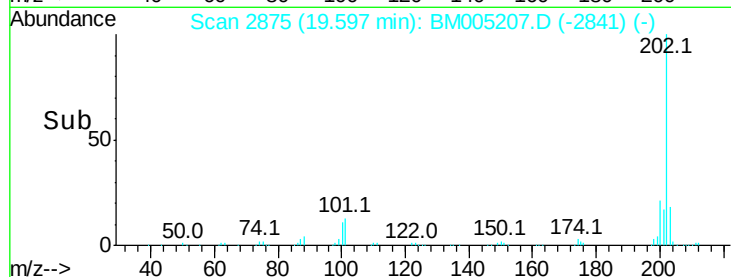
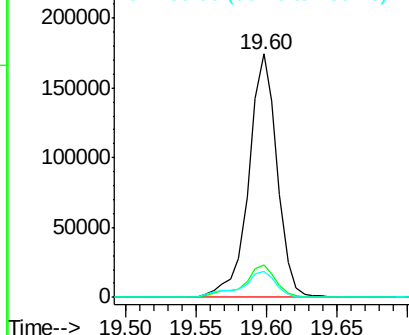
Tot Ion:	202	Resp:	246248
Ion Ratio	Lower	Upper	
202	100		
101	13.2	10.5	15.7
100	10.7	8.2	12.2

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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



#80

Benzo(a)anthracene

Concen: 8.70 ng/ul

RT: 21.34 min Scan# 3172

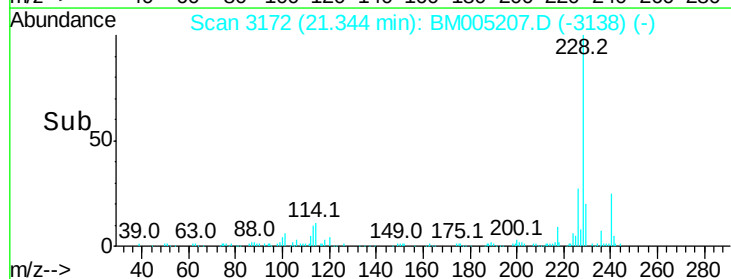
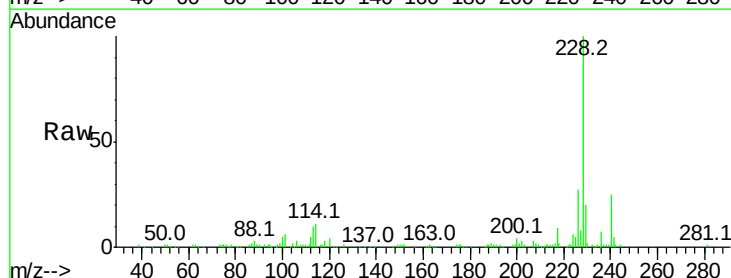
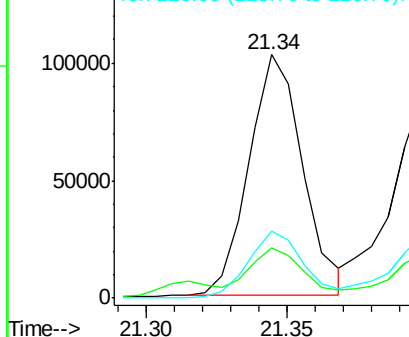
Delta R.T. -0.00 min

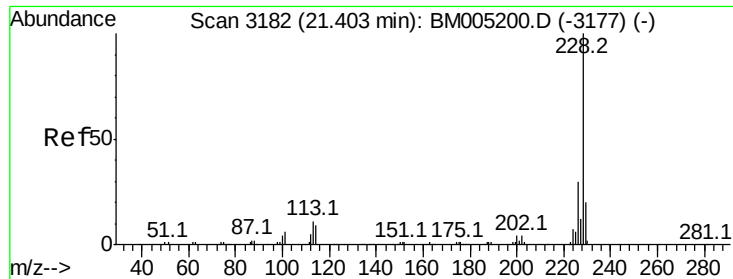
Lab File: BM005207.D

Acq: 03 May 2016 00:16

Tgt Ion:	228	Resp:	135481
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.8	23.6
226	27.3	21.5	32.3

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





#82

Chrysene

Concen: 7.87 ng/ul

RT: 21.40 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

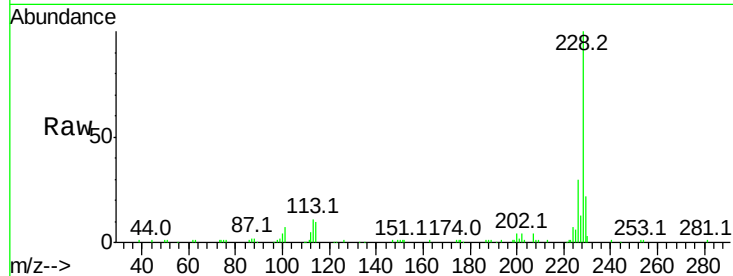
ClientSampled :

BD3C5

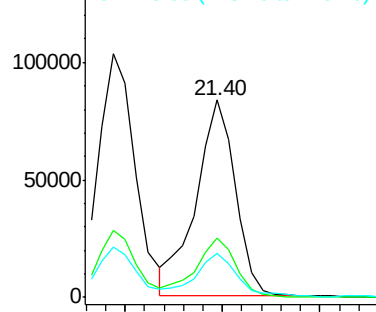
Tot Ion:	228	Resp:	117296
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.2	36.2
229	22.1	15.5	23.3

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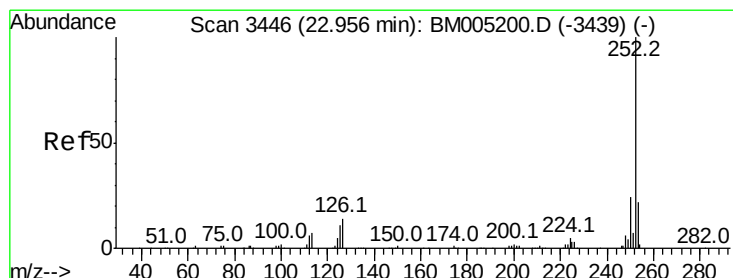
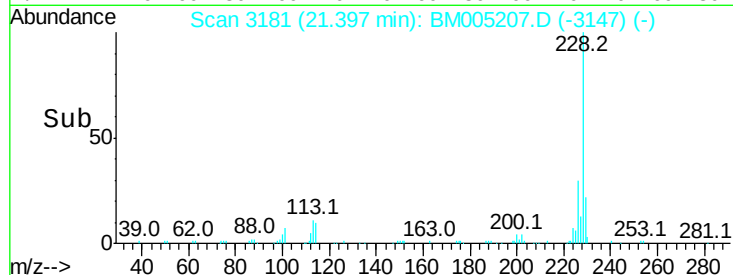
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 9.46 ng/ul

RT: 22.96 min Scan# 3446

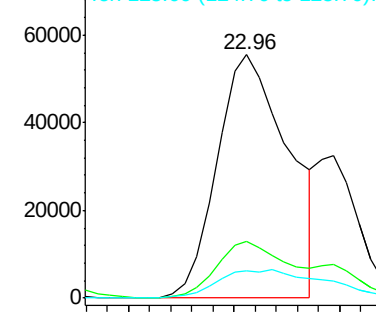
Delta R.T. -0.00 min

Lab File: BM005207.D

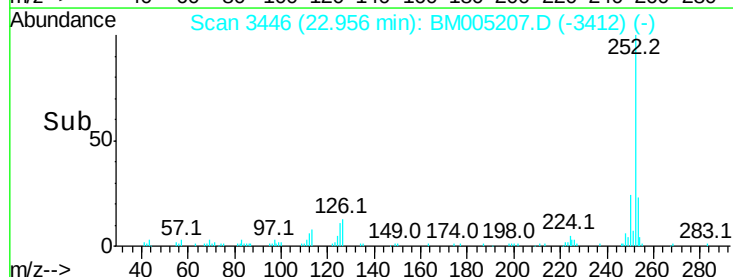
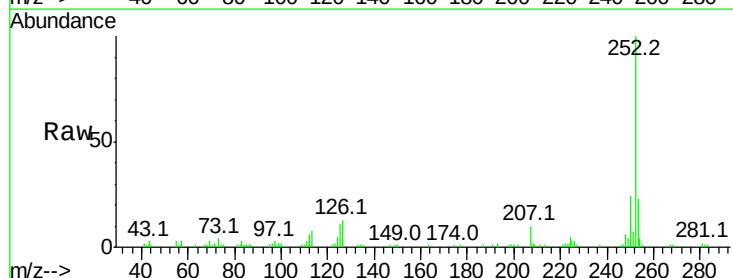
Acq: 03 May 2016 00:16

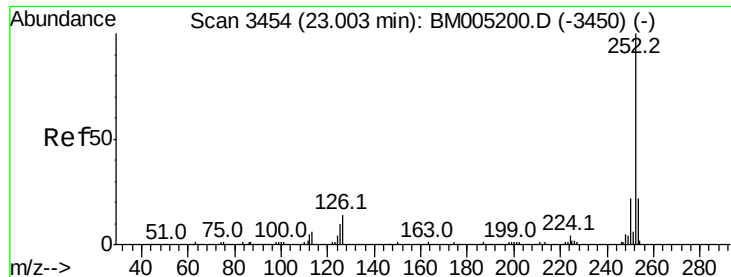
Tgt Ion:	252	Resp:	130060
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	11.4	7.8	11.6

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



Time-->





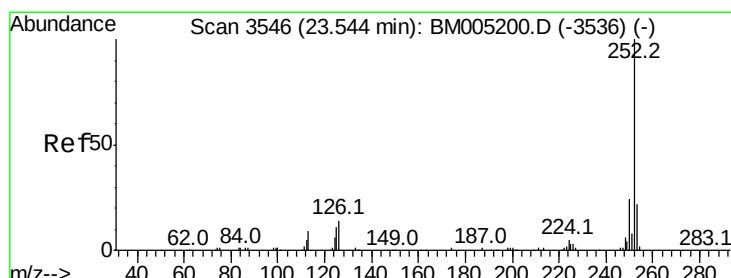
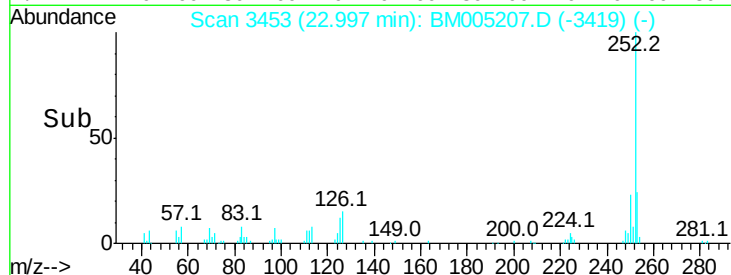
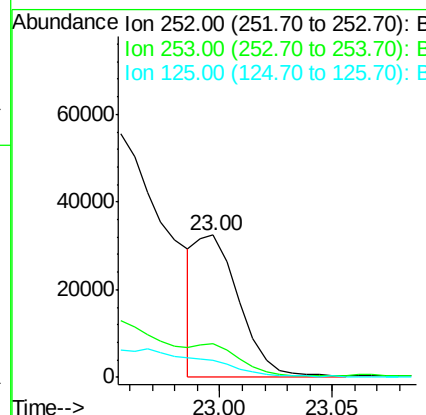
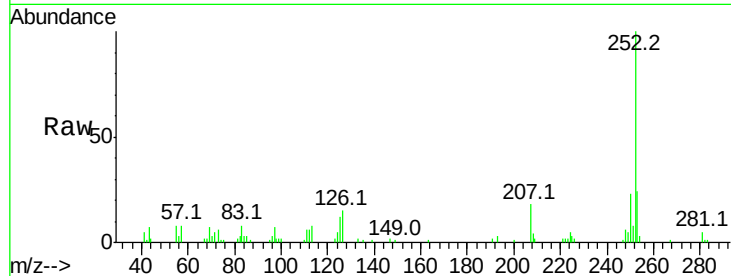
#86
Benzo(k)fluoranthene
Concen: 3.30 ng/ul m
RT: 23.00 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

Instrument :
BNA_M
ClientSampled :
BD3C5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.9	7.9	11.9

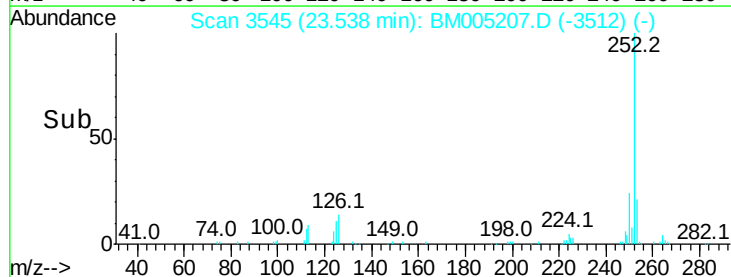
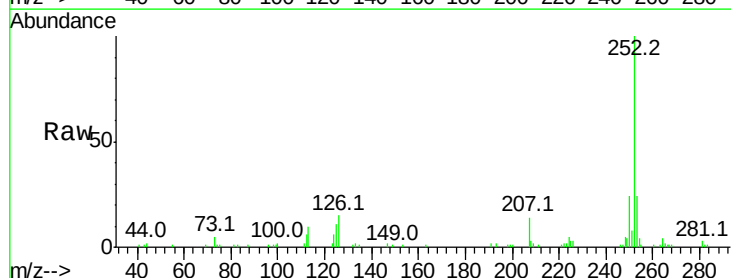
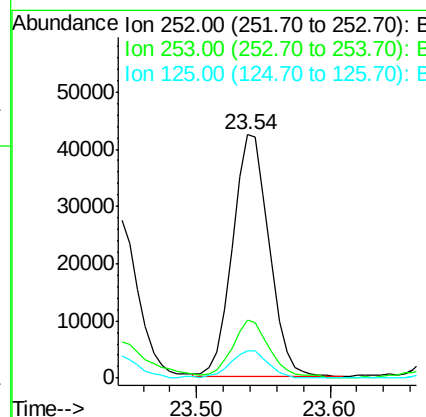
Manual Integrations
APPROVED

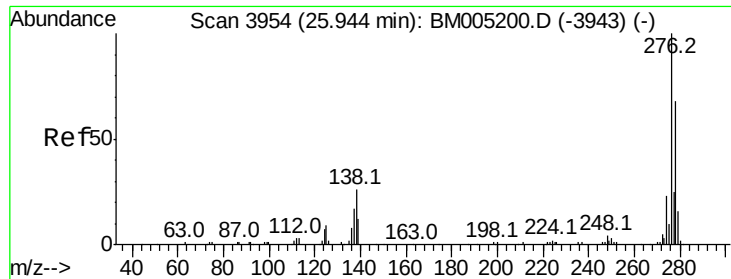
sohil
5/3/2016 6:34:54 PM



#88
Benzo(a)pyrene
Concen: 6.25 ng/ul
RT: 23.54 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.3	8.3	12.5





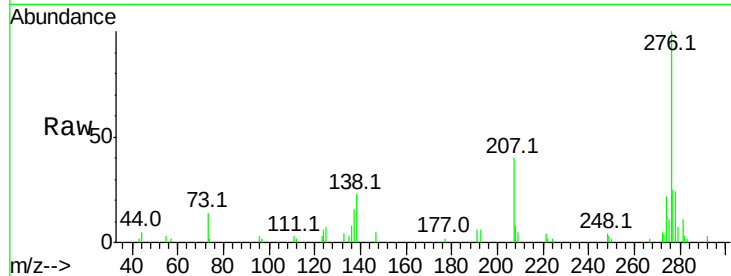
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.80 ng/ul
 RT: 25.94 min Scan# 3953
 Delta R.T. -0.01 min
 Lab File: BM005207.D
 Acq: 03 May 2016 00:16

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.2	30.4
277	25.1	20.4	30.6

Manual Integrations
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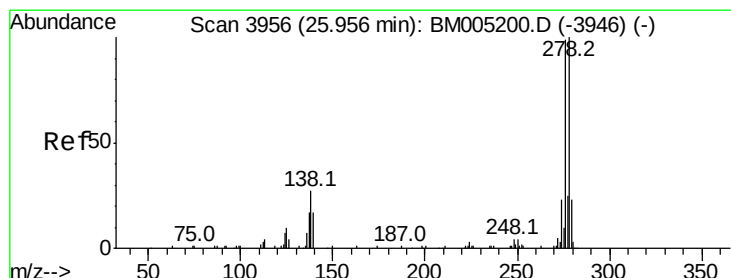
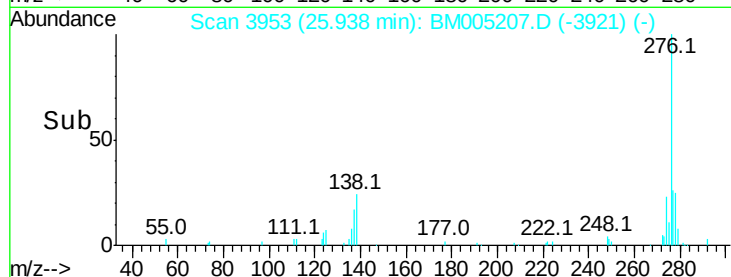
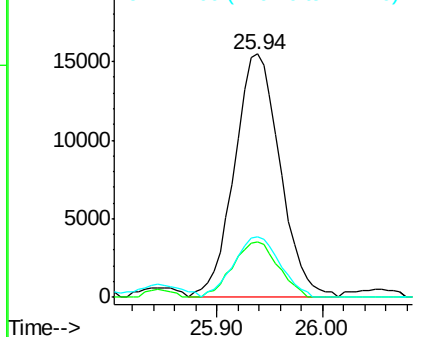


Abundance

Ion 276.00 (275.70 to 276.70): E

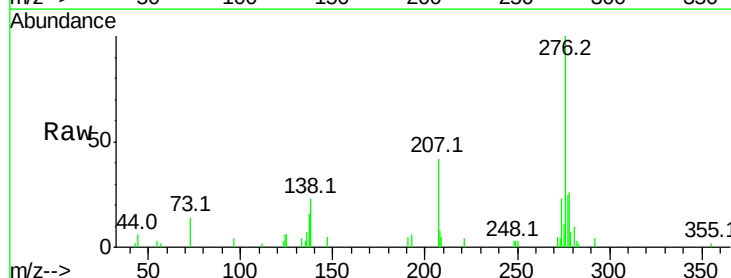
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90
 Dibenzo(a,h)anthracene
 Concen: 1.38 ng/ul
 RT: 25.94 min Scan# 3954
 Delta R.T. -0.01 min
 Lab File: BM005207.D
 Acq: 03 May 2016 00:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.9	19.1	28.7

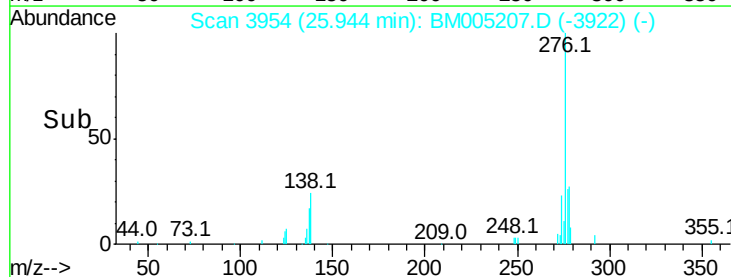
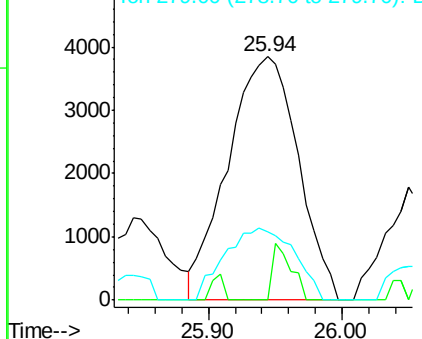


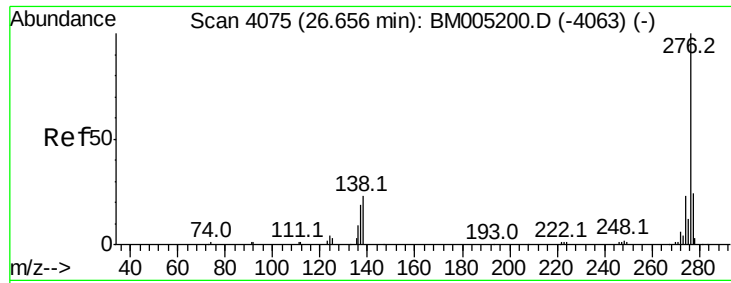
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 3.64 ng/ul
 RT: 26.64 min Scan# 4073
 Delta R.T. -0.01 min
 Lab File: BM005207.D
 Acq: 03 May 2016 00:16

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Tot Ion:	276	Resp:	36422
Ion Ratio	Lower	Upper	
276	100		
138	23.0	17.4	26.2
277	25.5	19.0	28.4

Manual Integrations
 APPROVED

sohil
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