

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
 Data File : BM002149.D
 Acq On : 31 Jul 2015 10:46
 Operator : TP/UM
 Sample : G3030-20DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02K6DL

Manual Integrations
 APPROVED

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 8/3/2015 3:39:19 PM

Quant Time: Aug 01 04:37:15 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 02:15:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	22168	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	88575	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	52319	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	120051	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	148834	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	146925	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	1383	3.23	ng/uL	0.00
5) Phenol-d5	6.76	99	30708	19.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	16723	19.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	26684	19.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	24019	19.06	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	11681	18.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	13842	19.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	25895	19.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	19638	13.26	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	77362	20.19	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	87412	18.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	9282	14.51	ng/ul	0.00
58) Fluorene-d10	15.24	176	61164	18.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	7790	10.61	ng/ul	0.00
71) Anthracene-d10	17.09	188	93750	17.49	ng/ul	0.00
79) Pyrene-d10	19.40	212	104761	16.72	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	114112	16.02	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	27651	6.57 ng/ul	98
34) 2-Methylnaphthalene	12.03	142	6342	2.07 ng/ul	92
35) 1-Methylnaphthalene	12.26	142	4874	1.66 ng/ul#	91
45) Dimethylphthalate	13.70	163	30831	8.06 ng/ul#	98
48) Acenaphthylene	13.96	152	9357	1.89 ng/ul	95
50) Acenaphthene	14.30	153	25476	7.86 ng/ul	98
54) Dibenzofuran	14.64	168	22325	4.80 ng/ul	95
59) Fluorene	15.29	166	30419	7.92 ng/ul	99
70) Phenanthrene	17.03	178	477202	76.74 ng/ul	100
72) Anthracene	17.13	178	124847	19.64 ng/ul	99
75) Carbazole	17.40	167	49091	9.04 ng/ul	96
77) Fluoranthene	19.06	202	789713	109.99 ng/ul	99
80) Pyrene	19.43	202	681083	84.10 ng/ul	99
83) Benzo(a)anthracene	21.19	228	385848	46.77 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.11	149	59319	12.53 ng/ul	99
85) Chrysene	21.24	228	357250	46.28 ng/ul	96
88) Benzo(b)fluoranthene	22.74	252	407056	49.30 ng/ul	98
89) Benzo(k)fluoranthene	22.78	252	139699m	17.54 ng/ul	
91) Benzo(a)pyrene	23.30	252	284897	35.75 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	175279	19.09 ng/ul#	94
93) Dibenzo(a,h)anthracene	25.60	278	51454	6.55 ng/ul	92
94) Benzo(a,h,i)perylene	26.28	276	152998	19.88 ng/ul	96

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Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 02:15:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

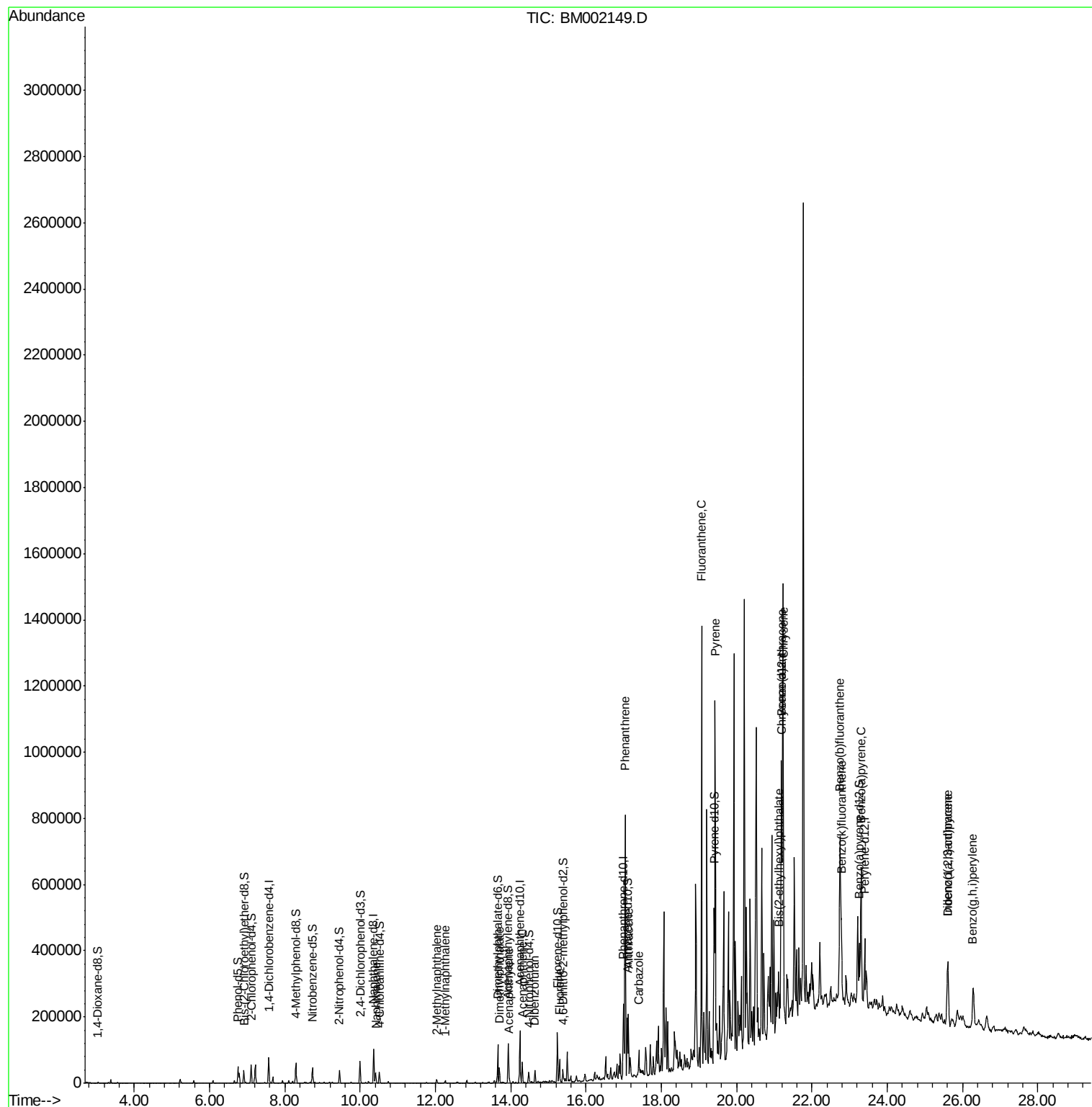
Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
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Operator : TP/UM
Sample : G3030-20DL 2X
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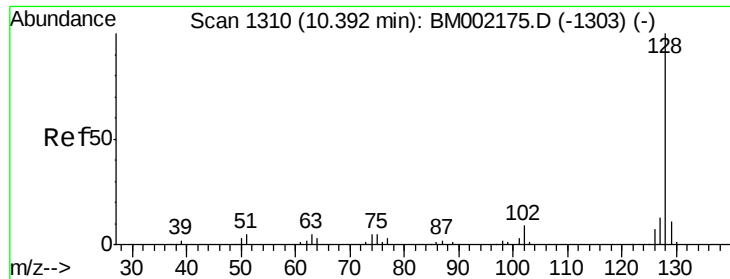
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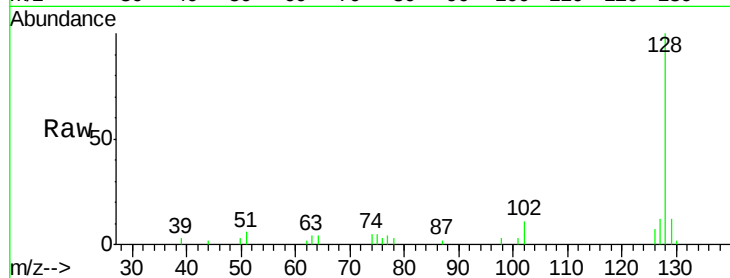
#28
Naphthalene
Concen: 6.57 ng/ul
RT: 10.41 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

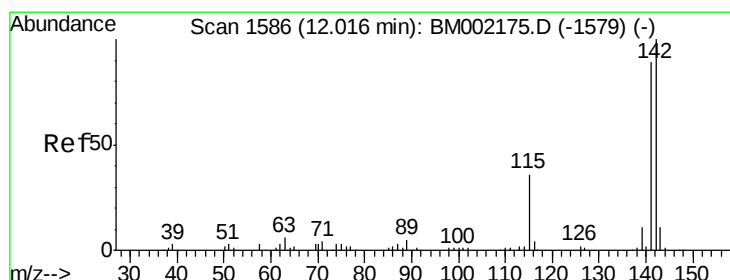
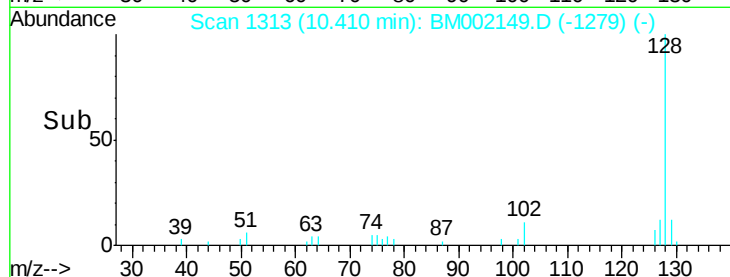
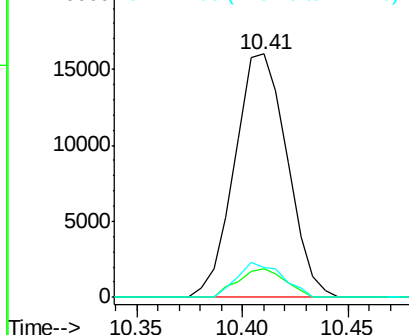
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.4
127	12.1	10.2	15.4

Manual Integrations
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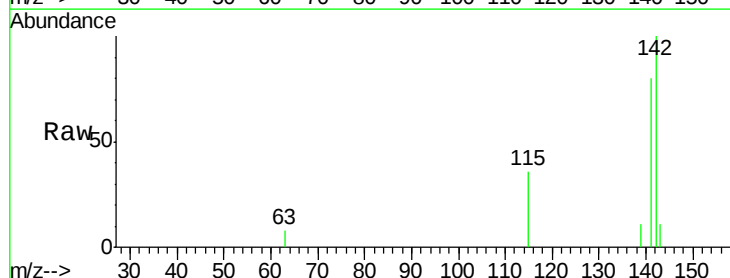


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

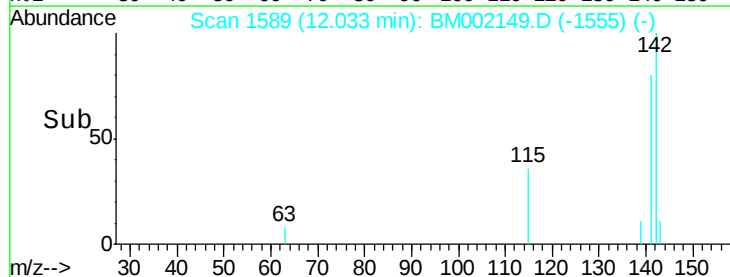
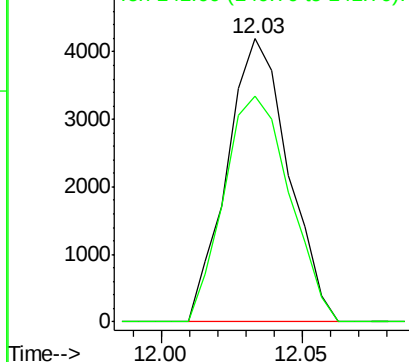


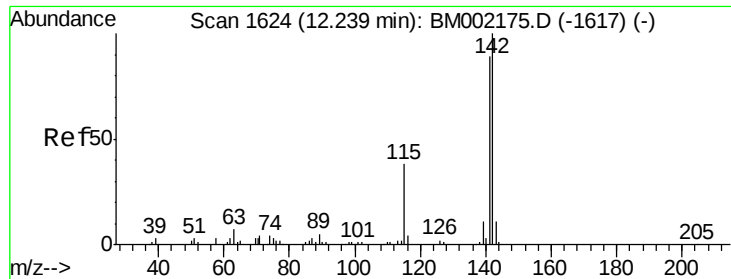
#34
2-Methylnaphthalene
Concen: 2.07 ng/ul
RT: 12.03 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.8	69.8	104.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





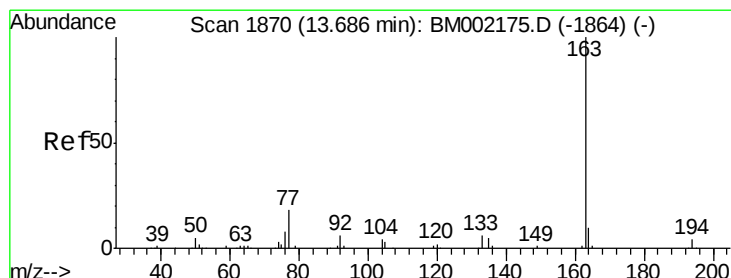
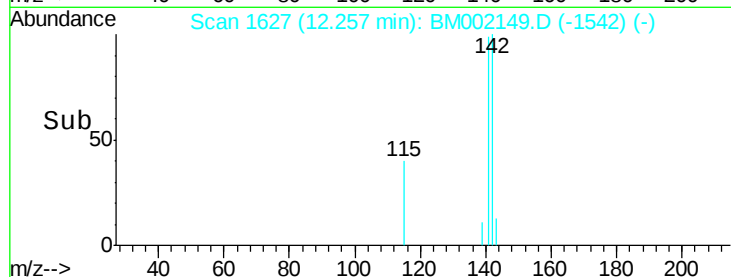
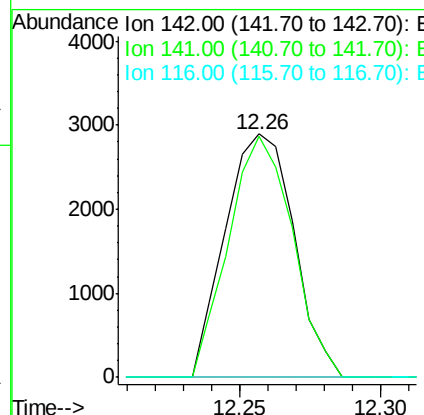
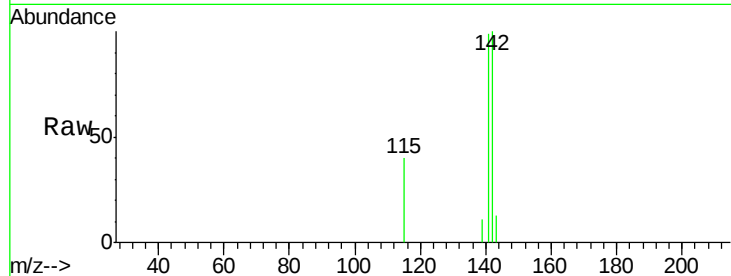
#35
1-Methyl-naphthalene
Concen: 1.66 ng/ul
RT: 12.26 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	99.0	72.4	108.6
116	0.0	3.2	4.8#

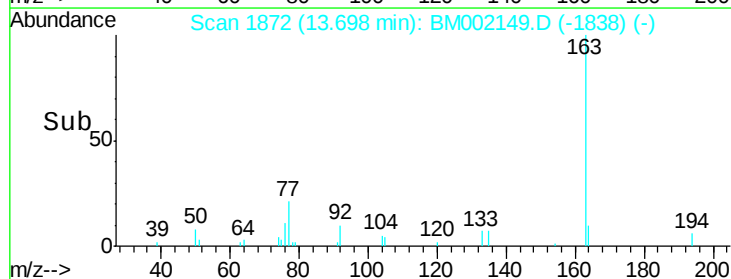
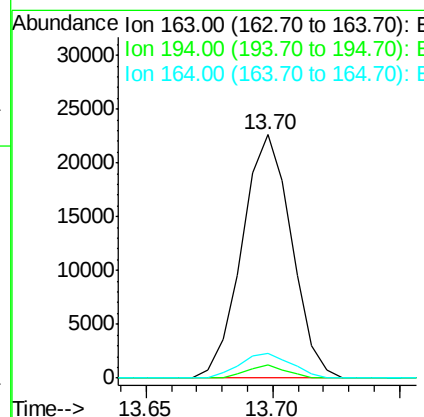
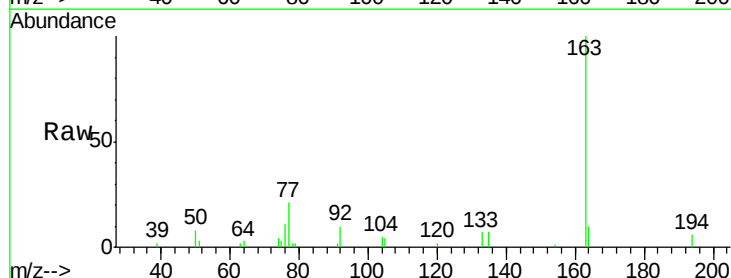
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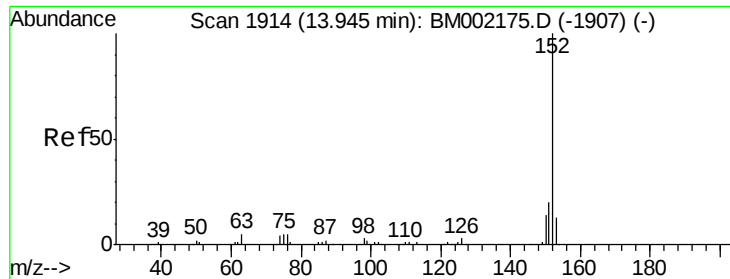
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#45
Dimethylphthalate
Concen: 8.06 ng/ul
RT: 13.70 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.5	5.3#
164	10.2	8.0	12.0





#48

Acenaphthylene

Concen: 1.89 ng/ul

RT: 13.96 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

Instrument :

BNA_M

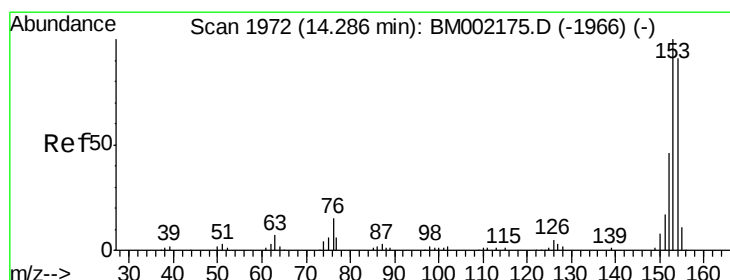
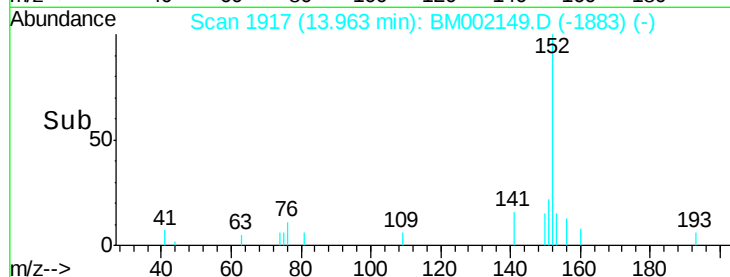
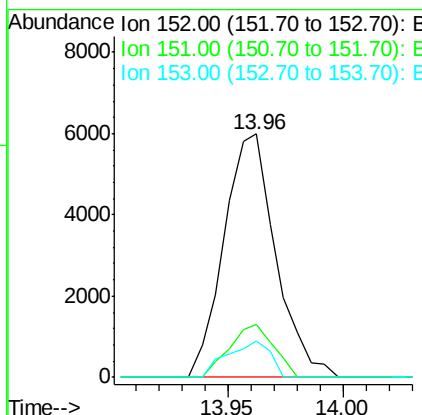
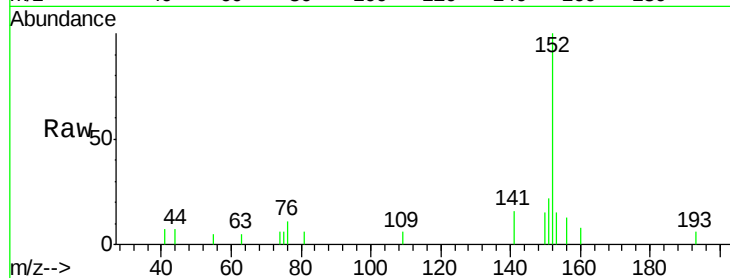
ClientSampleId :

C02K6DL

Tot Ion:	152	Resp:	9357
Ion Ratio	Lower	Upper	
152	100		
151	21.6	15.6	23.4
153	14.8	10.3	15.5

Manual Integrations
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#50

Acenaphthene

Concen: 7.86 ng/ul

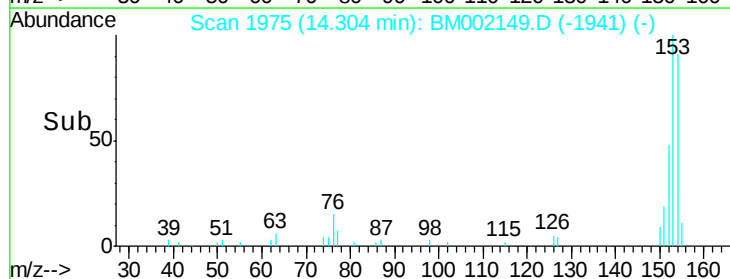
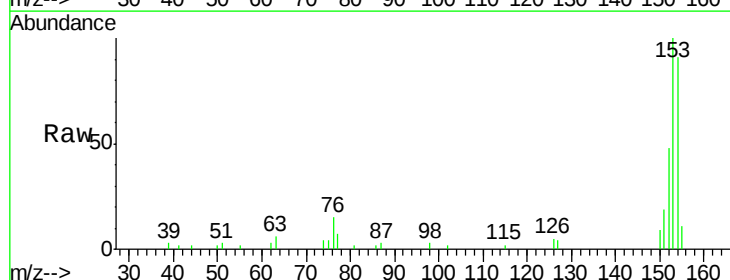
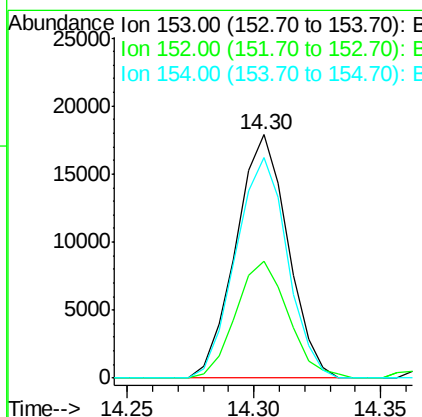
RT: 14.30 min Scan# 1975

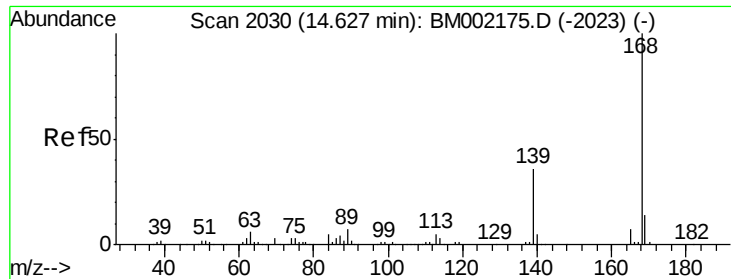
Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

Tgt Ion:	153	Resp:	25476
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.3	55.9
154	90.7	71.4	107.2





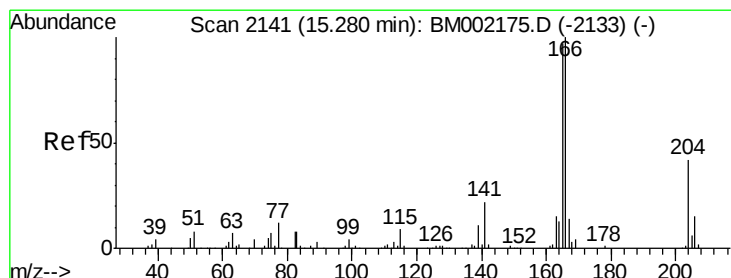
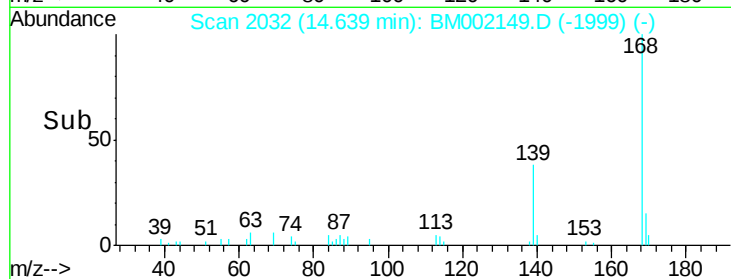
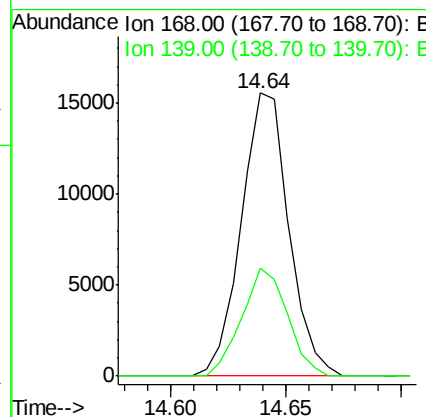
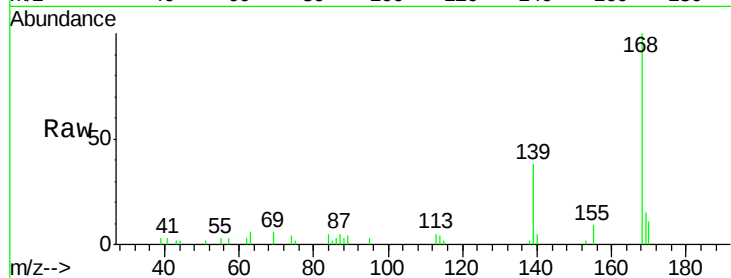
#54
Dibenzenofuran
Concen: 4.80 ng/ul
RT: 14.64 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	28.2	42.2

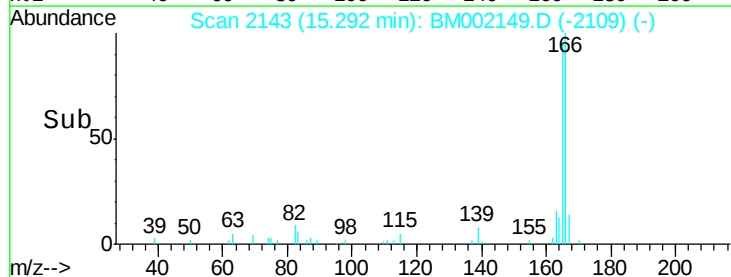
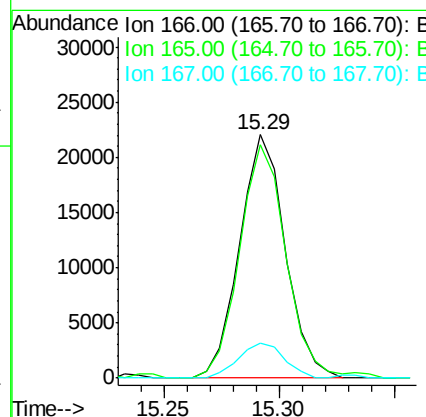
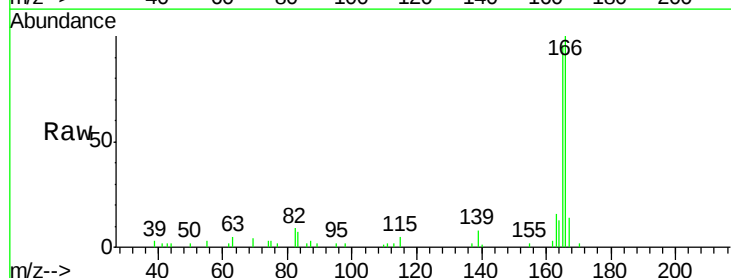
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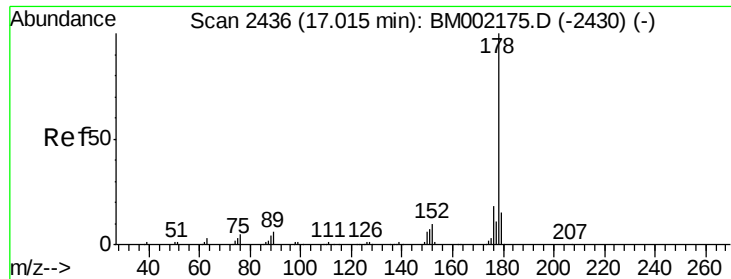
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#59
Fluorene
Concen: 7.92 ng/ul
RT: 15.29 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	75.6	113.4
167	14.3	10.5	15.7





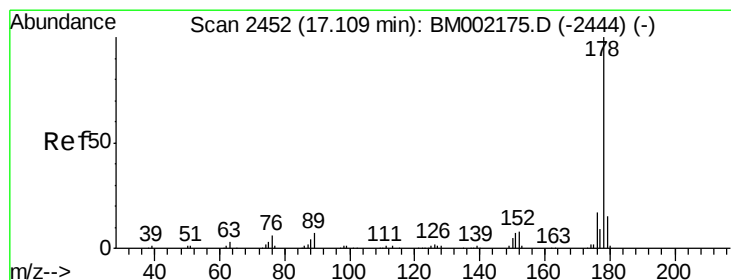
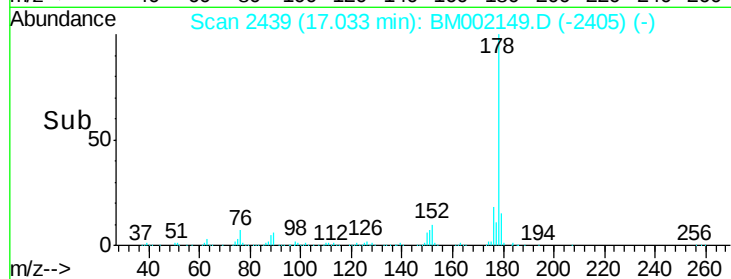
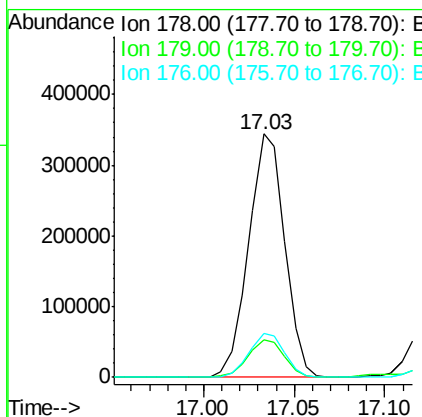
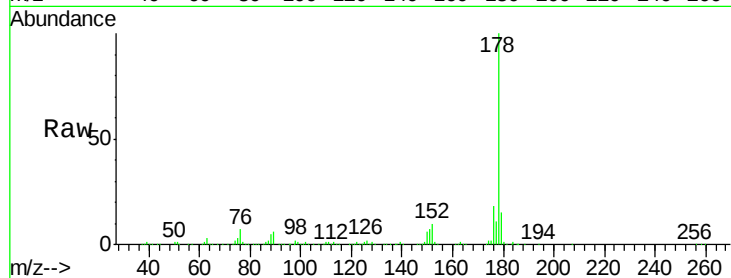
#70
Phenanthrene
Concen: 76.74 ng/ul
RT: 17.03 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
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ClientSampleId :
C02K6DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	17.8	14.2	21.4

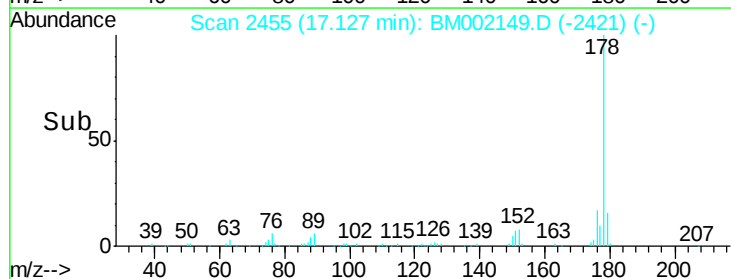
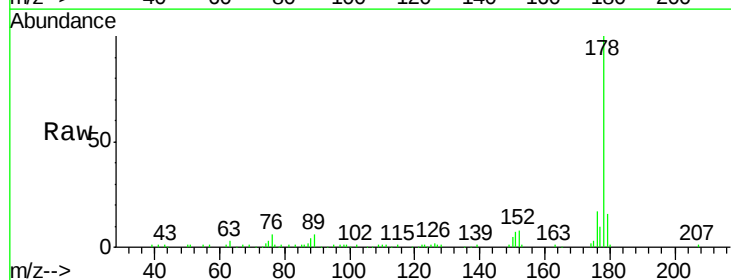
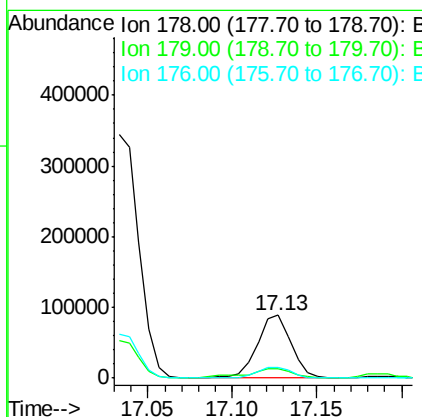
Manual Integrations
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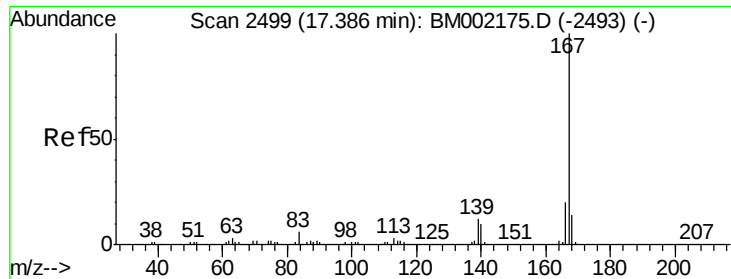
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#72
Anthracene
Concen: 19.64 ng/ul
RT: 17.13 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	17.4	14.1	21.1





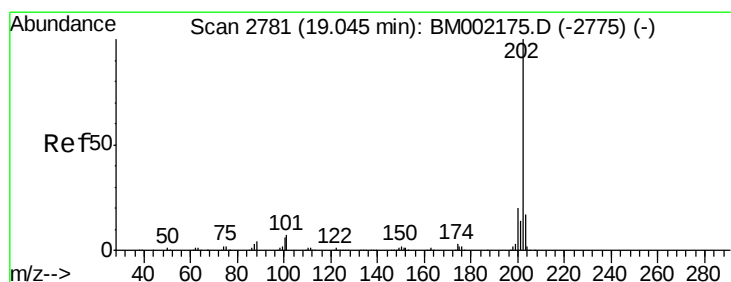
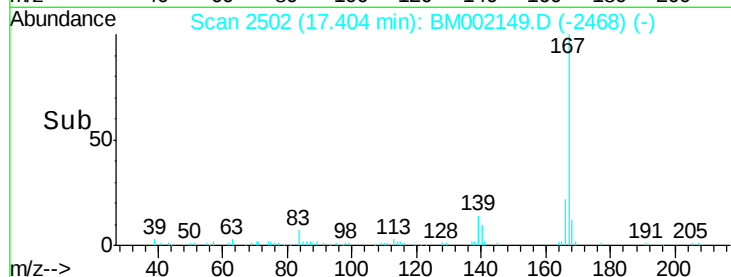
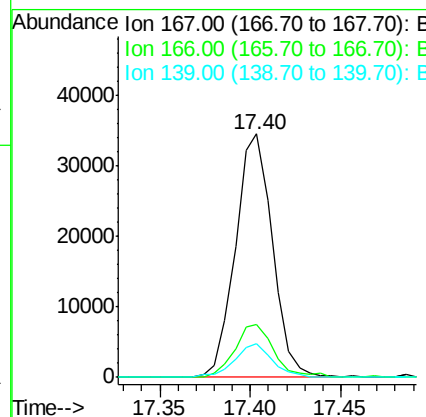
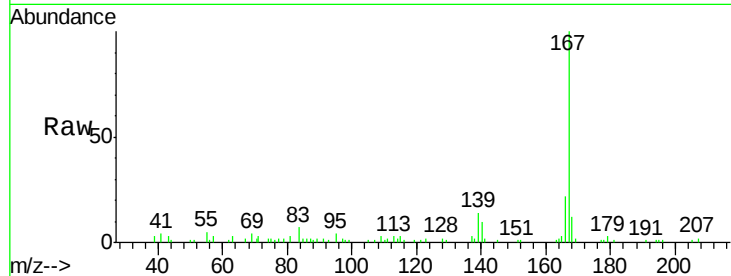
#75
 Carbazole
 Concen: 9.04 ng/ul
 RT: 17.40 min Scan# 2502
 Delta R.T. 0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Instrument :
 BNA_M
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 C02K6DL

Tot Ion:	167	Resp:	49091
Ion Ratio	Lower	Upper	
167	100		
166	21.5	16.2	24.4
139	14.0	9.6	14.4

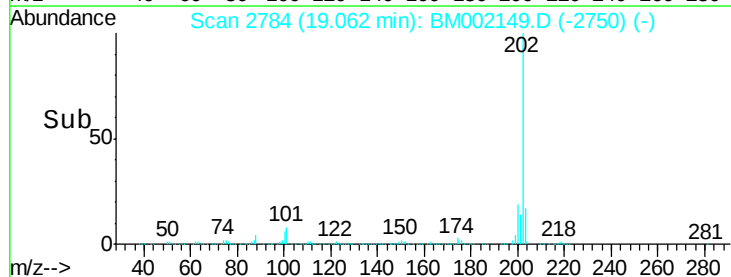
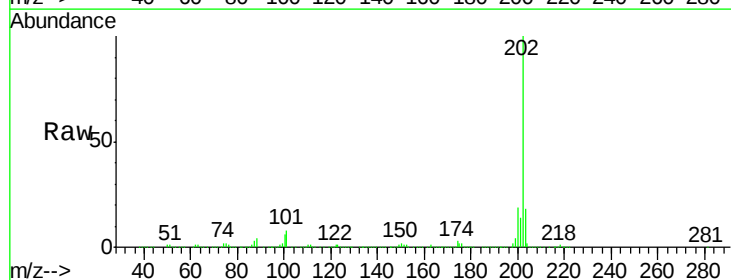
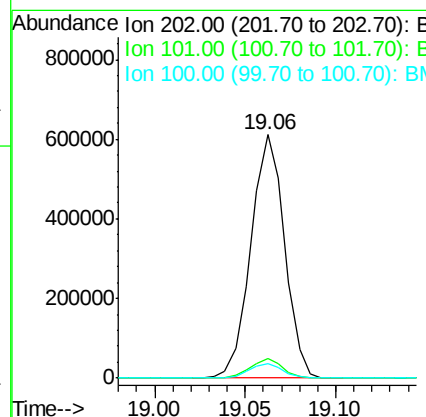
Manual Integrations
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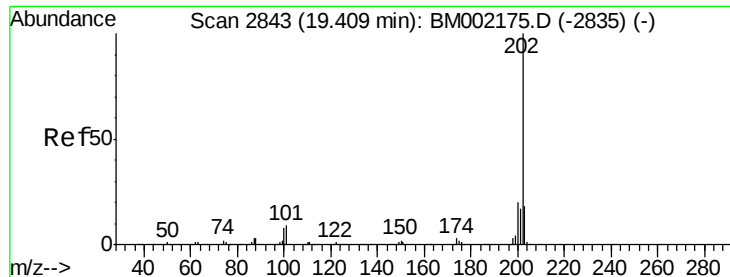
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 8/3/2015 3:39:19 PM



#77
 Fluoranthene
 Concen: 109.99 ng/ul
 RT: 19.06 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Tgt Ion:	202	Resp:	789713
Ion Ratio	Lower	Upper	
202	100		
101	7.9	6.2	9.4
100	5.7	5.2	7.8





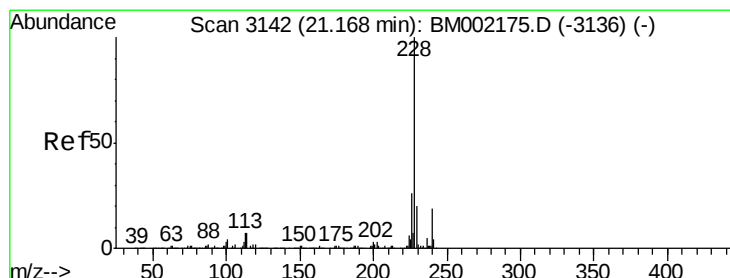
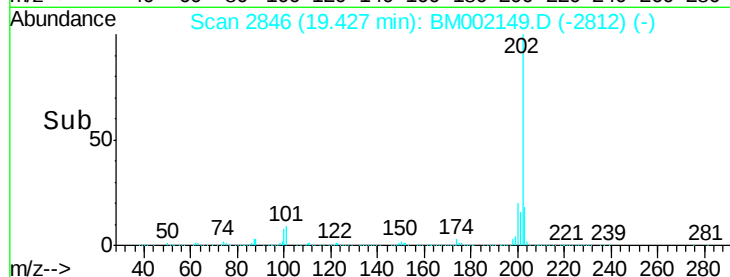
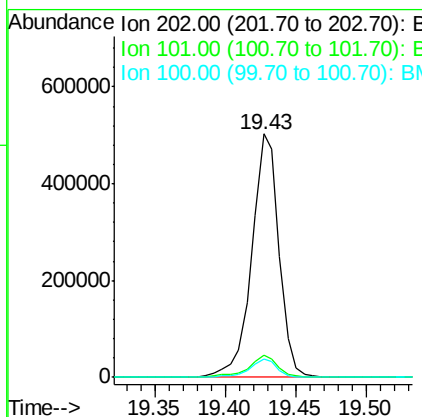
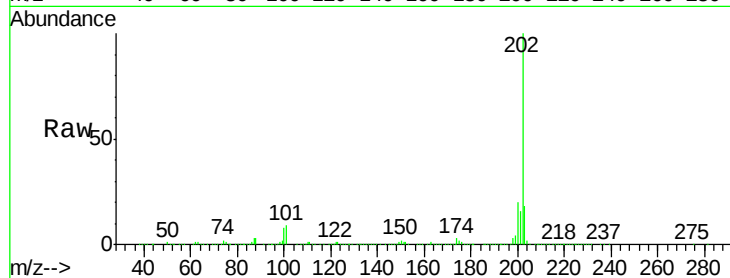
#80
Pvrene
Concen: 84.10 ng/ul
RT: 19.43 min Scan# 2846
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.0	7.4	11.2
100	7.5	6.3	9.5

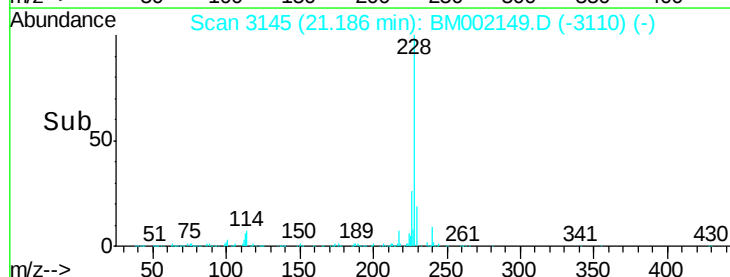
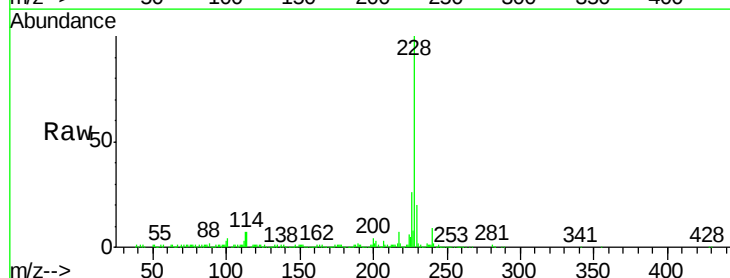
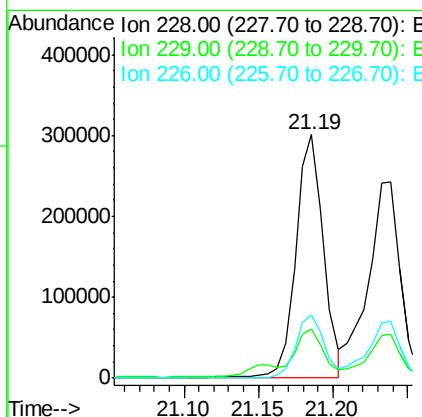
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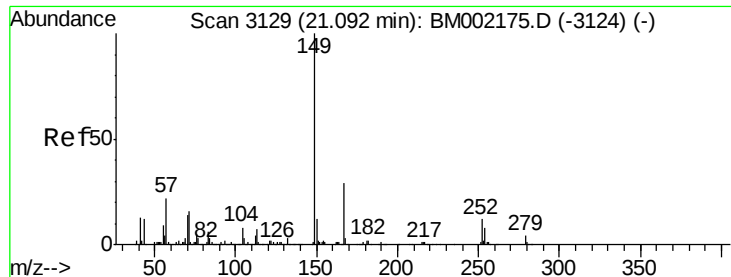
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#83
Benzo(a)anthracene
Concen: 46.77 ng/ul
RT: 21.19 min Scan# 3145
Delta R.T. 0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	19.9	15.4	23.2
226	25.7	20.5	30.7





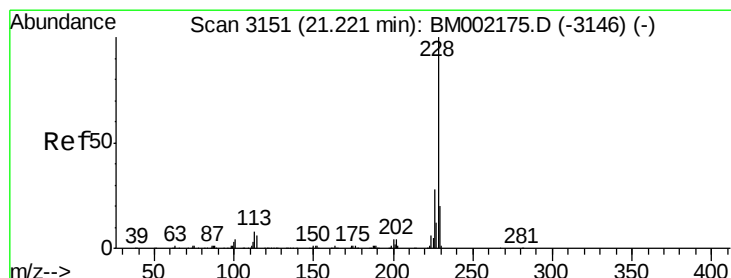
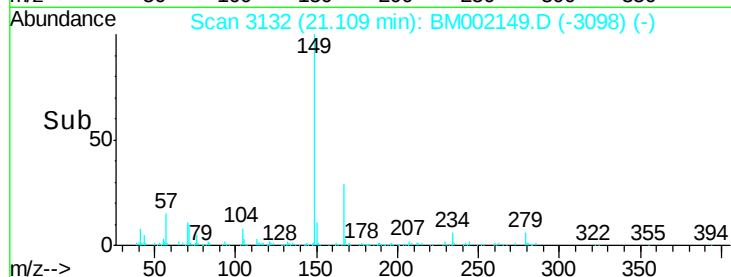
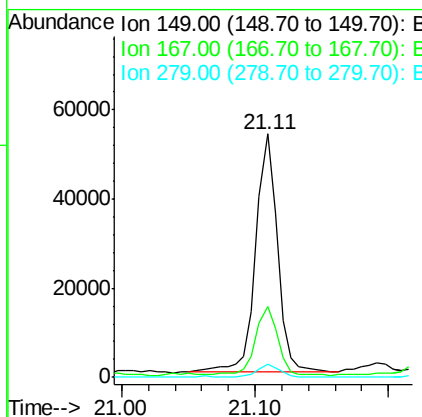
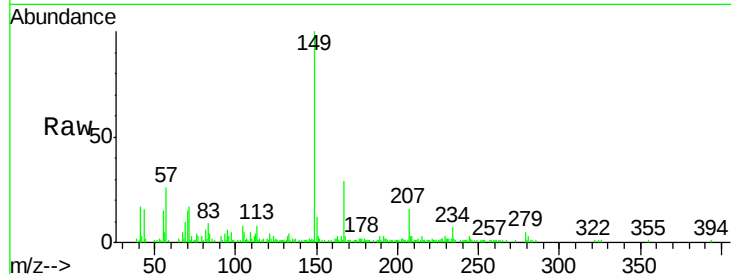
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 12.53 ng/ul
 RT: 21.11 min Scan# 3132
 Delta R.T. -0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Instrument :
 BNA_M
 ClientSampleId :
 C02K6DL

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	29.2	23.6	35.4
279	5.5	4.2	6.4

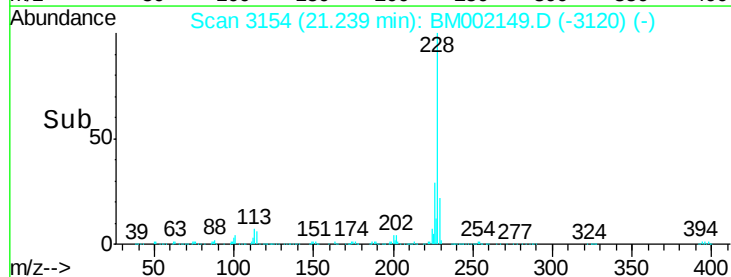
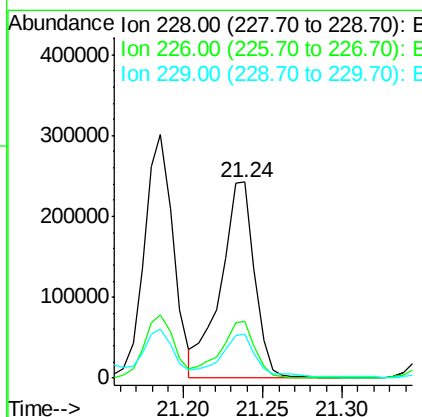
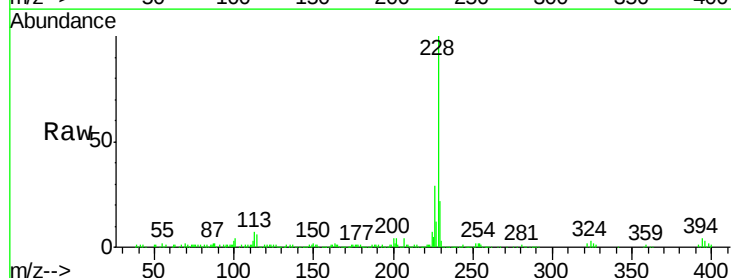
Manual Integrations
 APPROVED

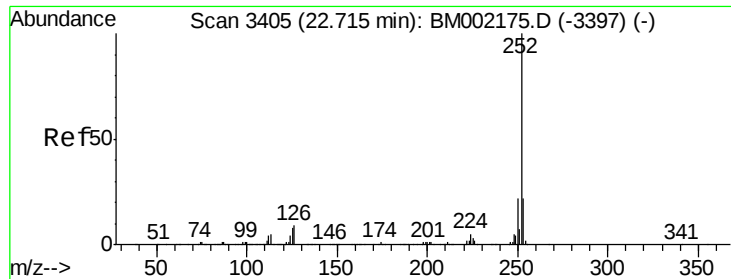
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#85
 Chrysene
 Concen: 46.28 ng/ul
 RT: 21.24 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.0	22.3	33.5
229	22.5	15.5	23.3





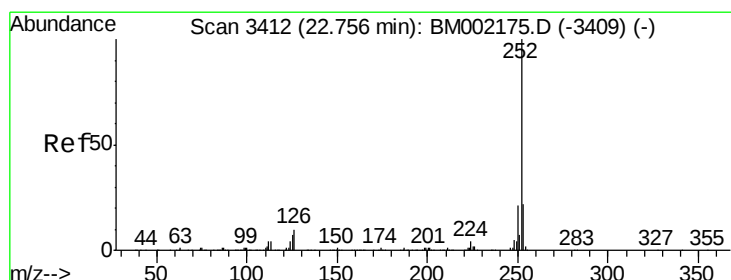
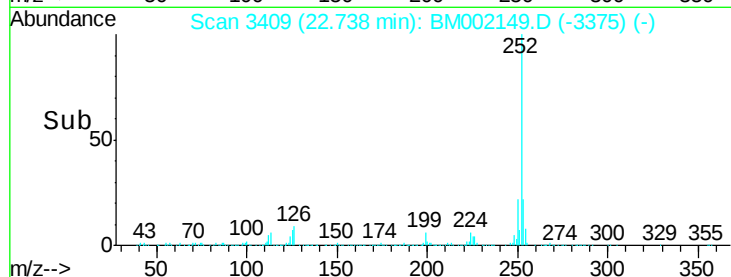
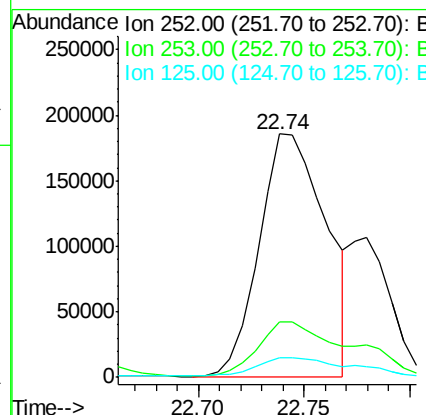
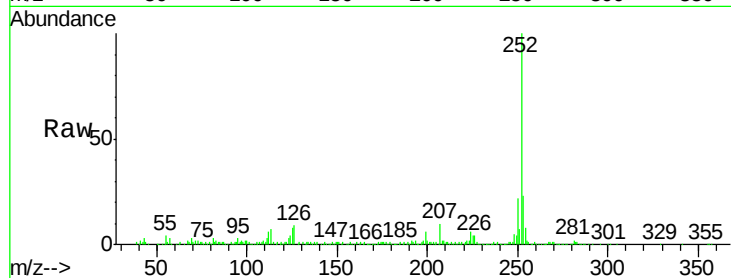
#88
Benzo(b)fluoranthene
Concen: 49.30 ng/ul
RT: 22.74 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.9	25.3
125	7.9	6.2	9.2

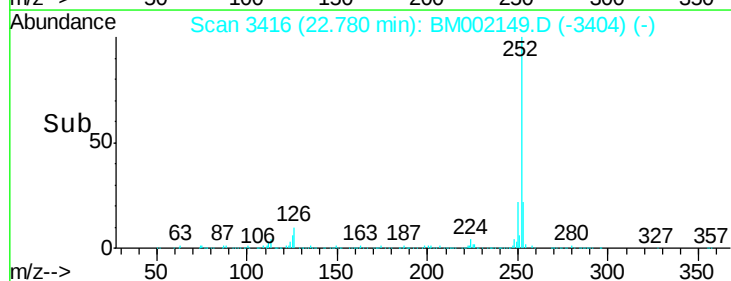
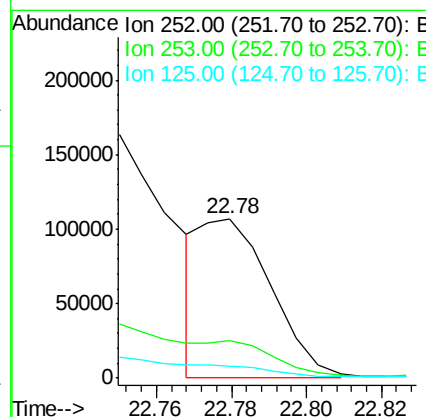
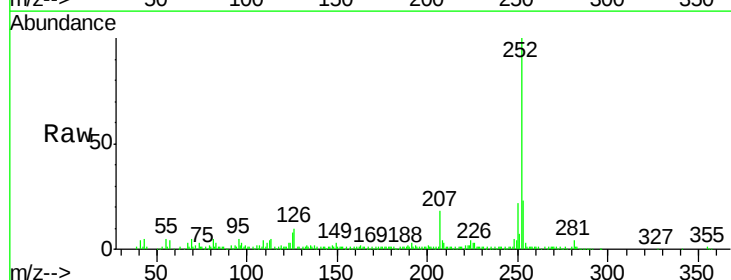
Manual Integrations
APPROVED

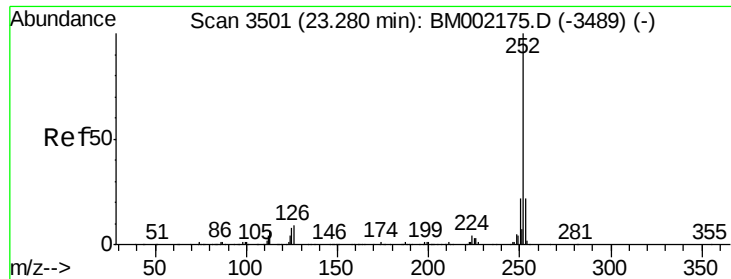
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#89
Benzo(k)fluoranthene
Concen: 17.54 ng/ul m
RT: 22.78 min Scan# 3416
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	7.8	6.2	9.4





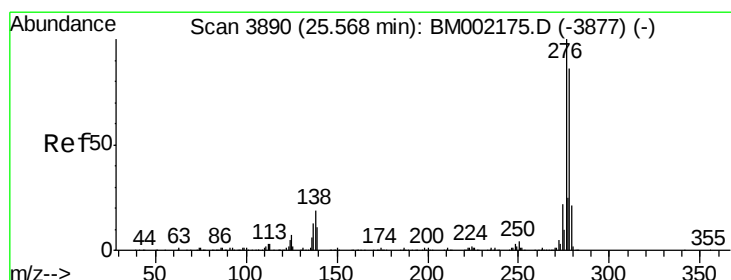
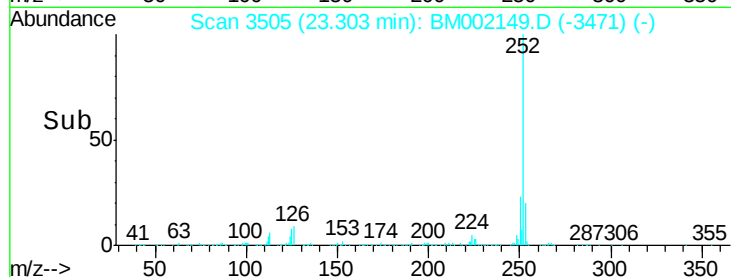
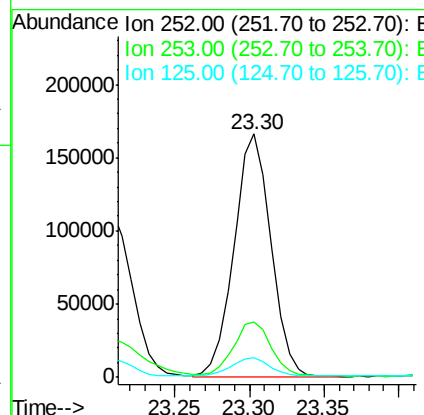
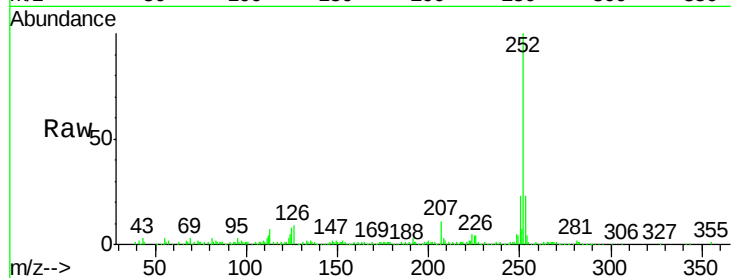
#91
Benzo(a)pyrene
Concen: 35.75 ng/ul
RT: 23.30 min Scan# 3505
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.2	25.8
125	8.3	6.6	10.0

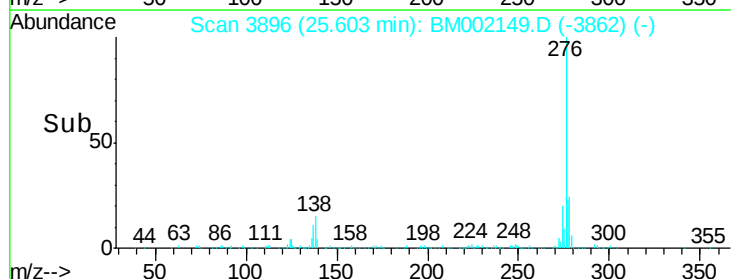
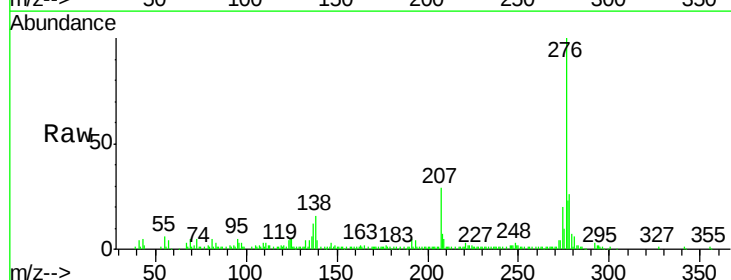
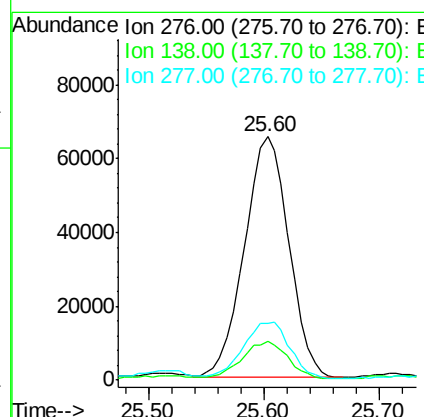
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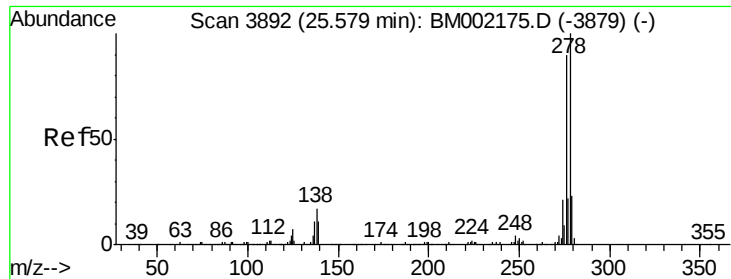
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#92
Indeno(1,2,3-cd)pyrene
Concen: 19.09 ng/ul
RT: 25.60 min Scan# 3896
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.9	16.2	24.2#
277	23.3	19.8	29.8





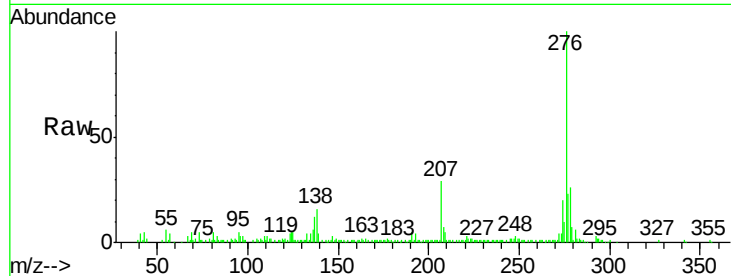
#93
Dibenzo(a,h)anthracene
Concen: 6.55 ng/ul
RT: 25.60 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

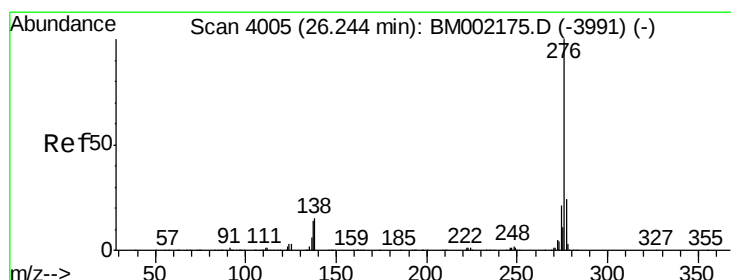
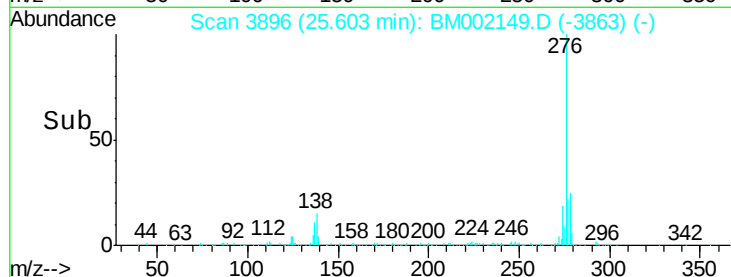
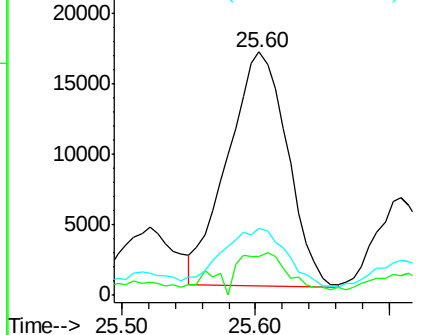
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.9	10.6	16.0
279	27.5	18.5	27.7

Manual Integrations
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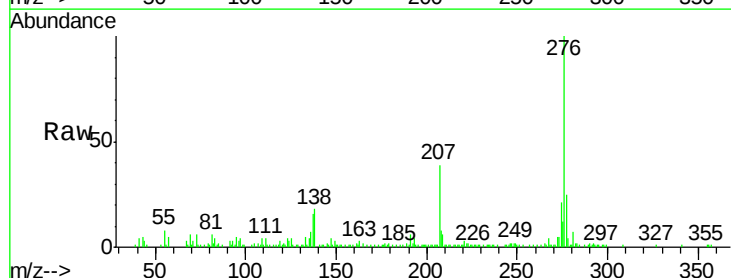


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#94
Benzo(g,h,i)perylene
Concen: 19.88 ng/ul
RT: 26.28 min Scan# 4011
Delta R.T. -0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	13.8	20.6
277	25.1	18.2	27.2



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

