

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003276.D
 Acq On : 22 Nov 2015 11:31
 Operator : UM/IZ
 Sample : G4345-15DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J57DL

Manual Integrations
 APPROVED

Mmdadoda
 11/23/2015 7:04:58 PM

Quant Time: Nov 23 01:18:51 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 01:07:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	10511	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	39672	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.38	164	19002	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	40452	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	42746	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	41687	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	4279	0.38	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1133	0.02	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	2388	0.02	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.57	128	3109	0.03	ng/ul#	86
7) 2-Methylnaphthalene	12.19	142	1662	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	3684	0.05	ng/ul#	91
10) Acenaphthene	14.43	153	4563	0.07	ng/ul#	76
11) Fluorene	15.44	166	5212	0.07	ng/ul#	98
13) Pentachlorophenol	16.78	266	458	0.05	ng/ul	92
14) Phenanthrene	17.26	178	16098	0.14	ng/ul	98
15) Anthracene	17.26	178	18002	0.18	ng/ul	98
17) Fluoranthene	19.20	202	170418	1.31	ng/ul	94
19) Pyrene	19.56	202	154658	1.06	ng/ul	95
20) Benzo(a)anthracene	21.31	228	71296	0.58	ng/ul#	91
21) Chrysene	21.36	228	79720m	0.57	ng/ul	
23) Benzo(b)fluoranthene	22.90	252	100098m	0.63	ng/ul	
24) Benzo(k)fluoranthene	22.94	252	32406m	0.22	ng/ul	
25) Benzo(a)pyrene	23.48	252	64214	0.46	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.86	276	44816	0.27	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	10942	0.08	ng/ul#	78
28) Benzo(a,h,i)perylene	26.57	276	39615	0.27	ng/ul	97

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

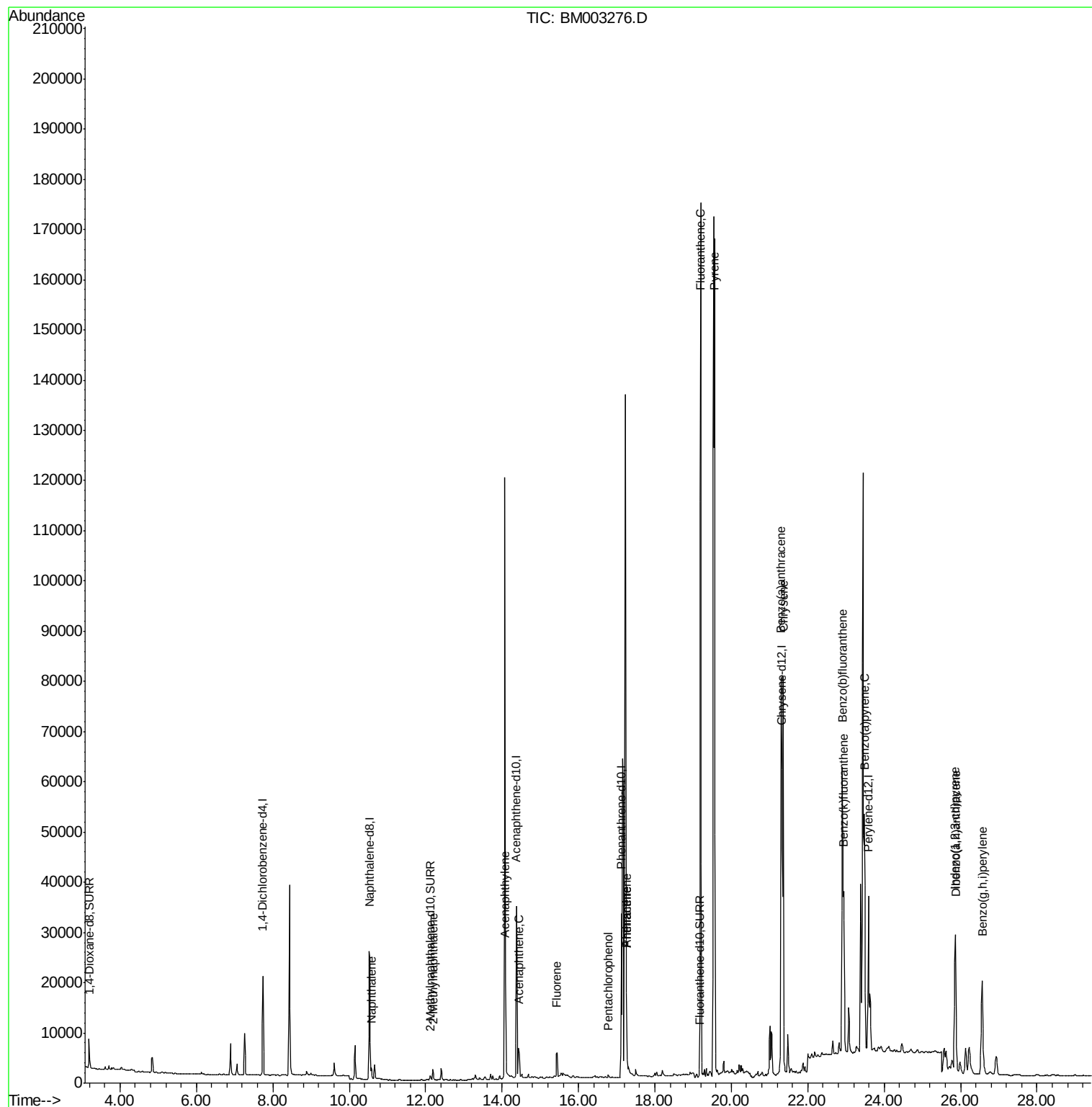
Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003276.D
Acq On : 22 Nov 2015 11:31
Operator : UM/IZ
Sample : G4345-15DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

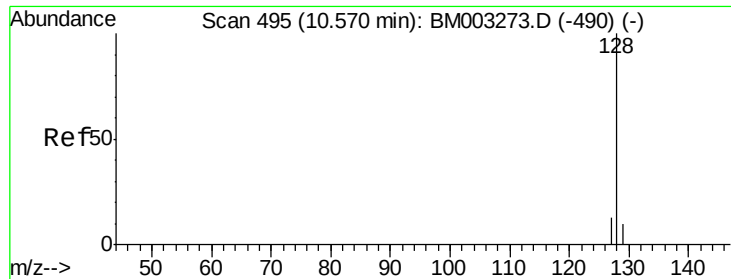
Instrument :
BNA_M
ClientSampleId :
A4J57DL

Manual Integrations
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11/23/2015 7:04:58 PM

Quant Time: Nov 23 01:18:51 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM11815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 01:07:06 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

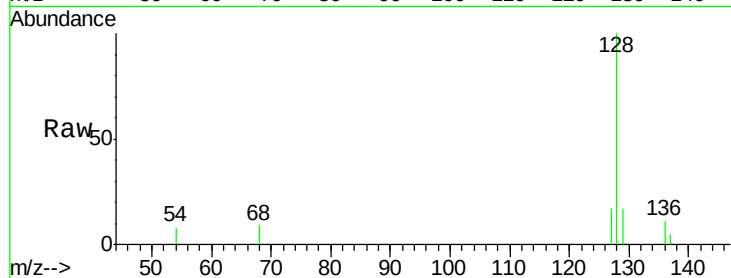
ClientSampleID :

A4J57DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.7	9.0	13.6#
127	17.1	9.6	14.4#

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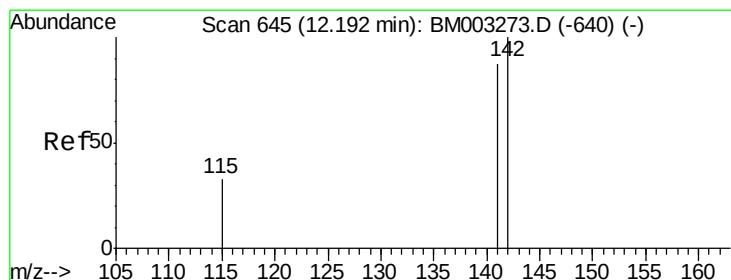
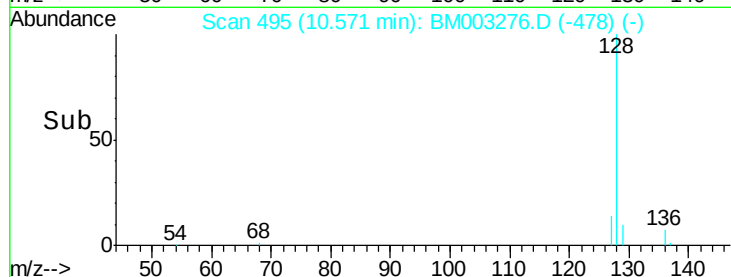
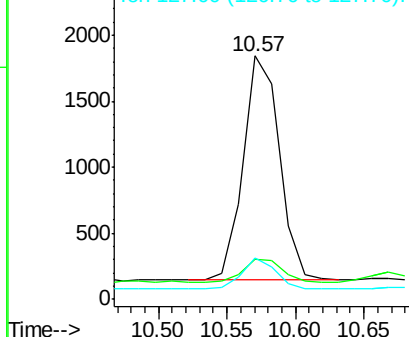
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

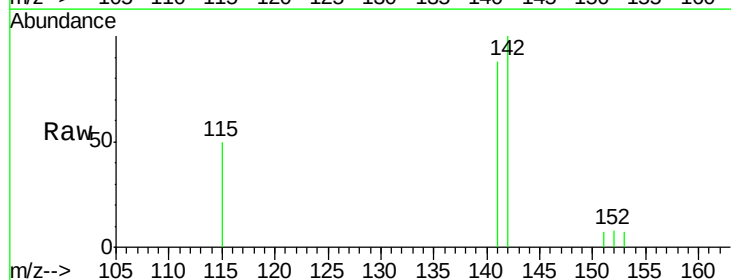
RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003276.D

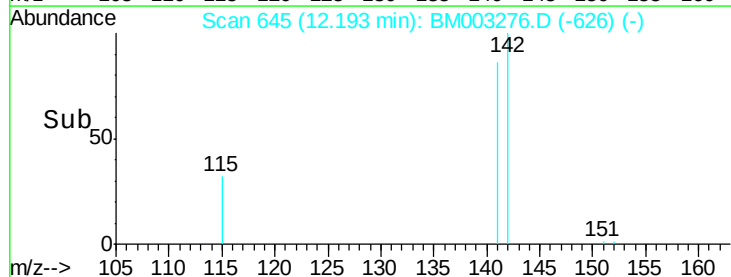
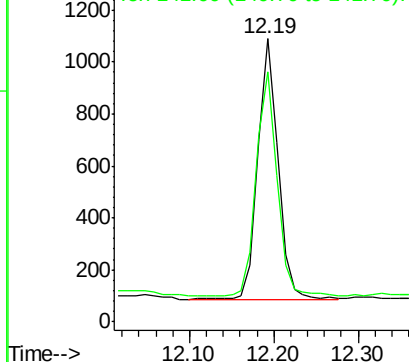
Acq: 22 Nov 2015 11:31

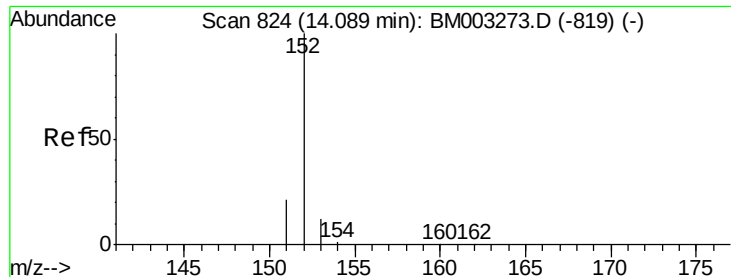
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	0.0	0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

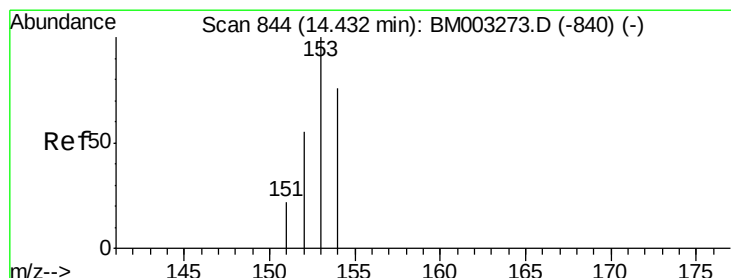
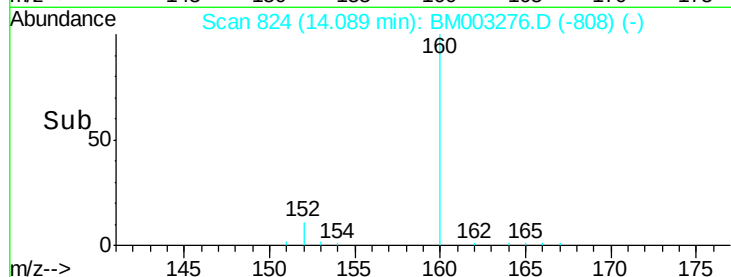
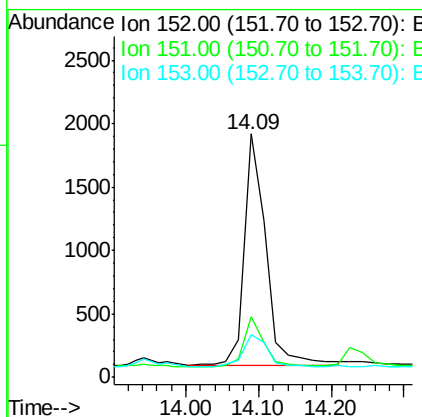
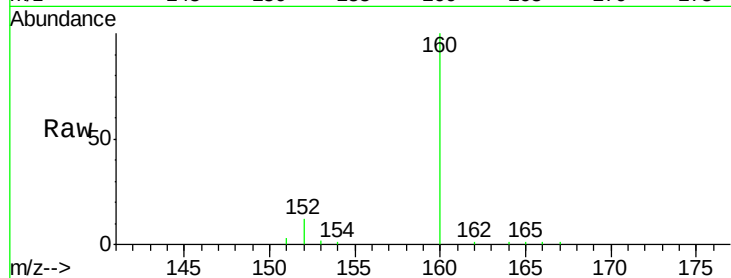
ClientSampleID :

A4J57DL

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Tot Ion:	152	Resp:	3684
Ion Ratio	Lower	Upper	
152	100		
151	25.0	17.6	26.4
153	17.6	9.7	14.5#



#10

Acenaphthene

Concen: 0.07 ng/ul

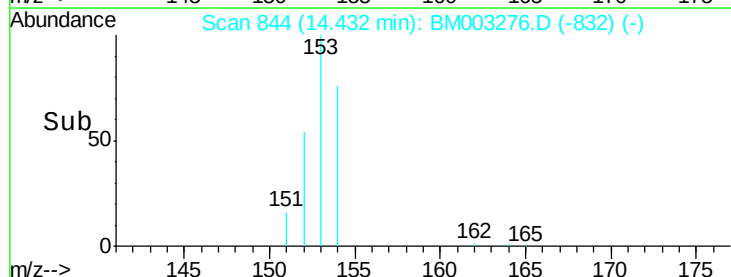
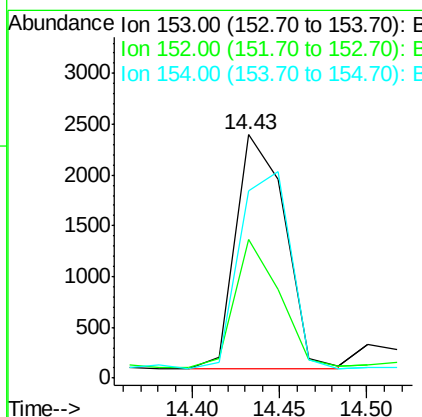
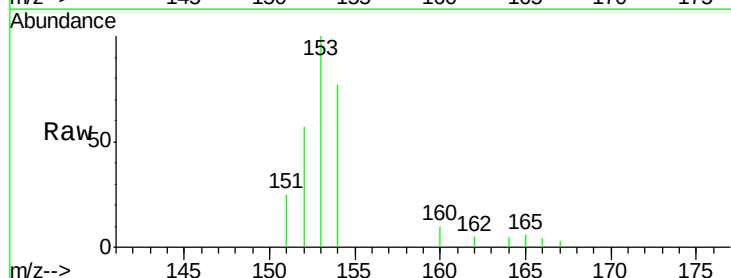
RT: 14.43 min Scan# 844

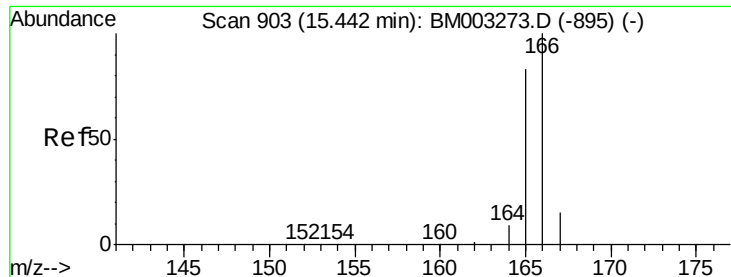
Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Tgt Ion:	153	Resp:	4563
Ion Ratio	Lower	Upper	
153	100		
152	57.2	33.9	50.9#
154	76.9	80.6	121.0#





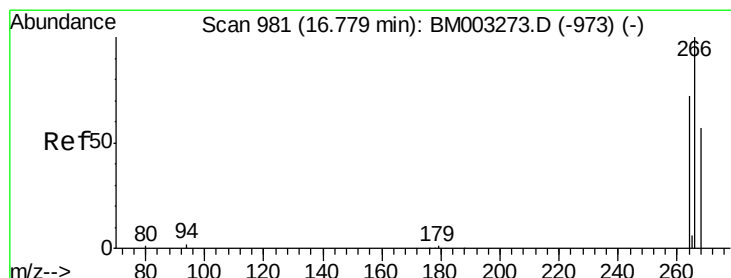
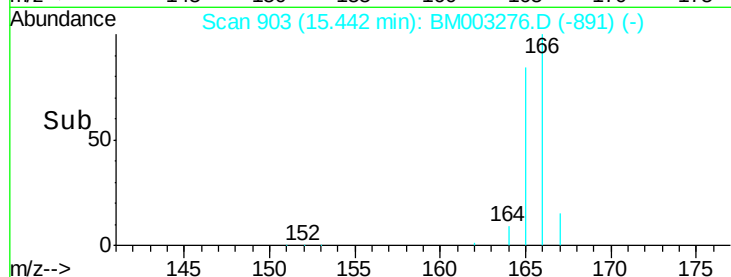
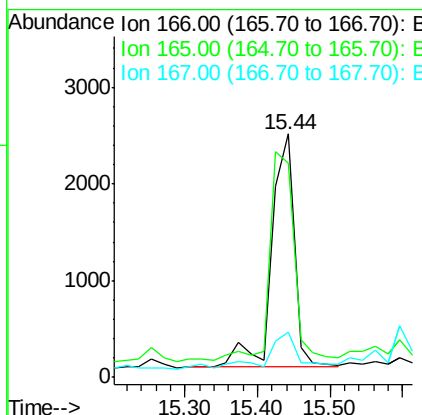
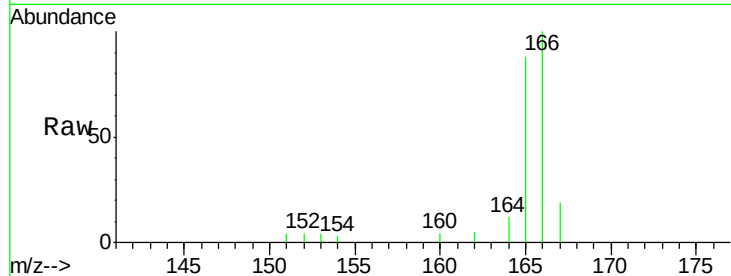
#11
Fluorene
Concen: 0.07 ng/ul
RT: 15.44 min Scan# 903
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Instrument :
BNA_M
ClientSampleId :
A4J57DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	87.9	69.6	104.4
167	18.6	11.9	17.9

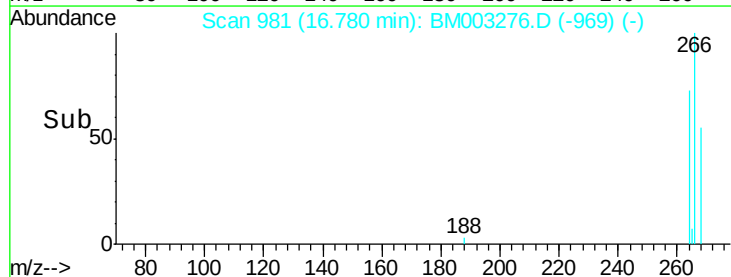
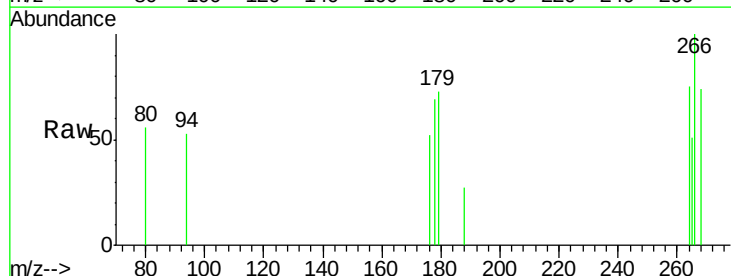
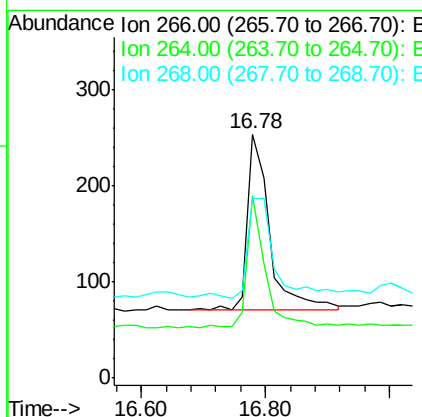
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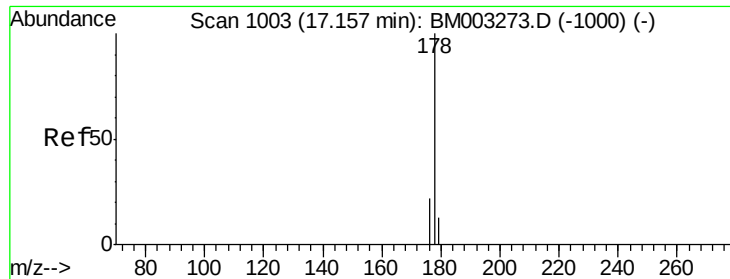
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#13
Pentachlorophenol
Concen: 0.05 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.0	51.8	77.8
268	67.5	46.8	70.2





#14

Phenanthrene

Concen: 0.14 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampleId :

A4J57DL

Tot Ion:178 Resp: 16098

Ion Ratio Lower Upper

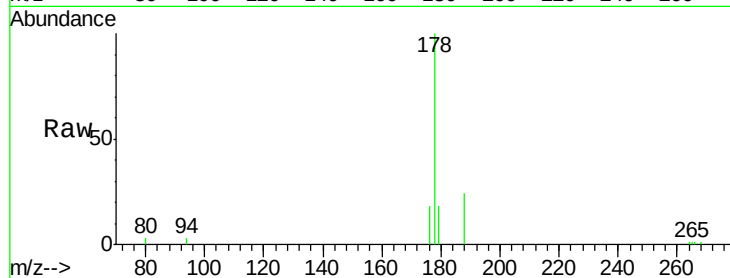
178 100

176 17.8 13.0 19.4

179 18.0 14.2 21.2

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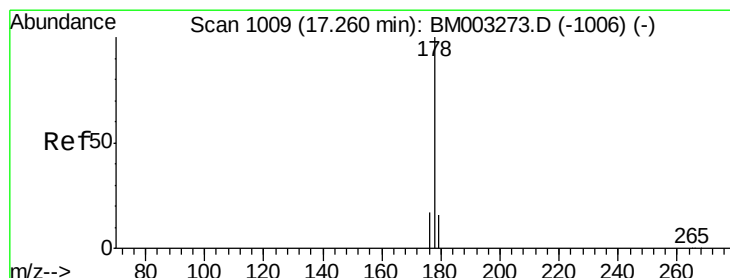
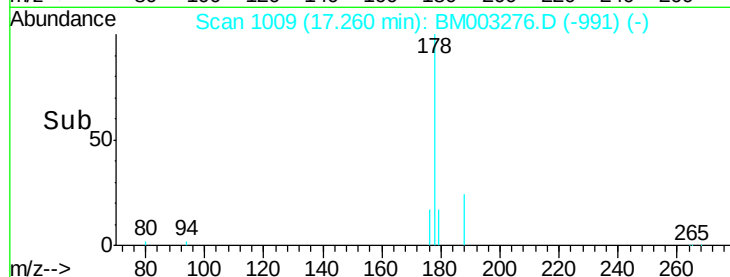
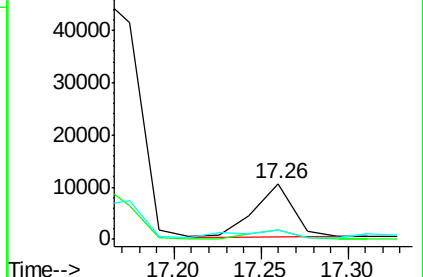
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.18 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Tgt Ion:178 Resp: 18002

Ion Ratio Lower Upper

178 100

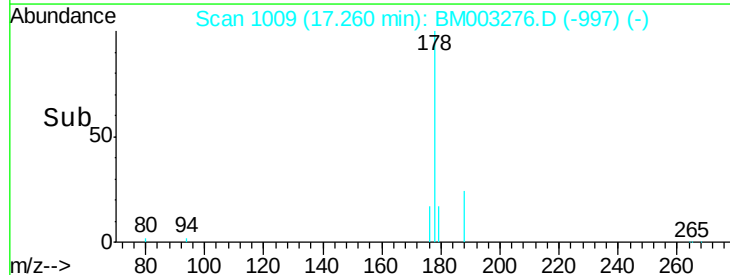
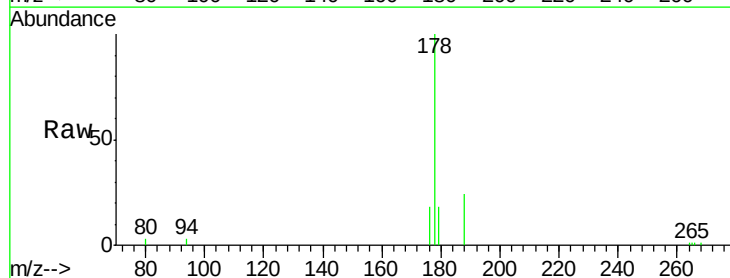
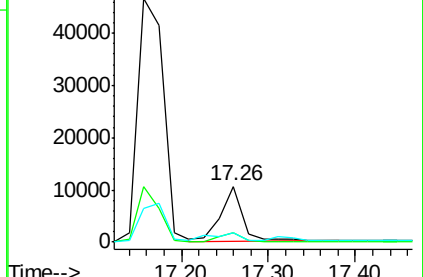
176 17.8 14.0 21.0

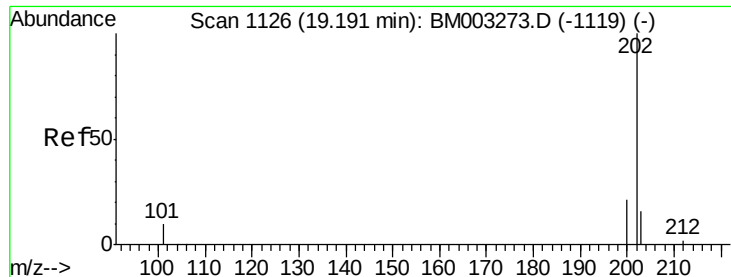
179 18.0 12.9 19.3

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





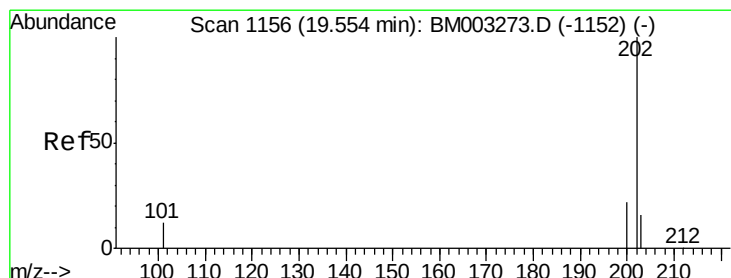
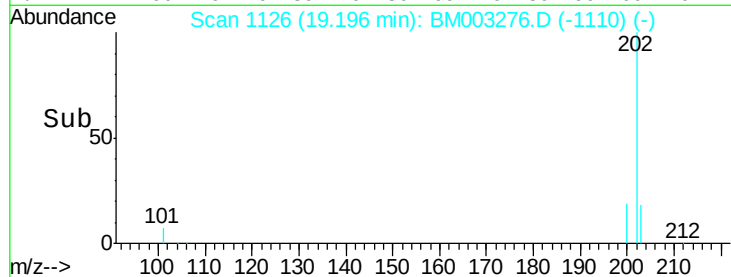
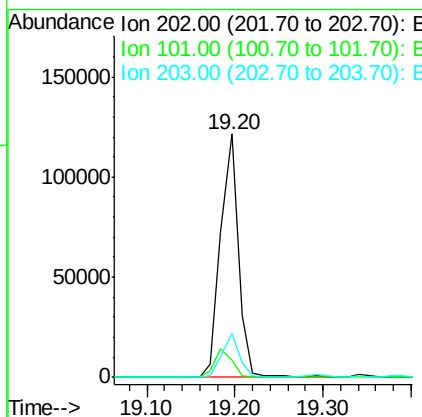
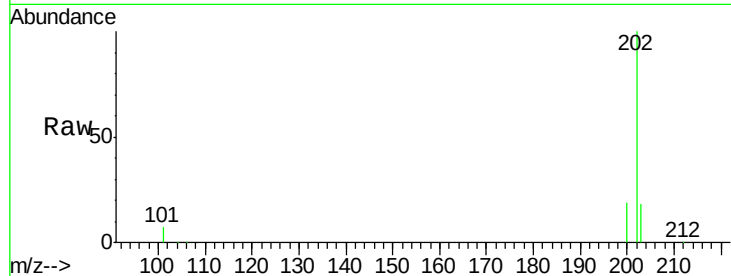
#17
Fluoranthene
Concen: 1.31 ng/ul
RT: 19.20 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Instrument :
BNA_M
ClientSampleId :
A4J57DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.8	0.0	29.6
203	18.2	0.0	36.3

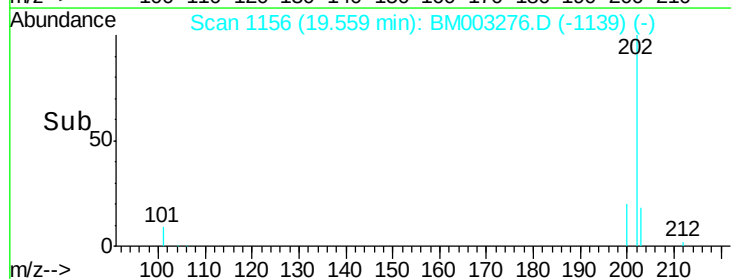
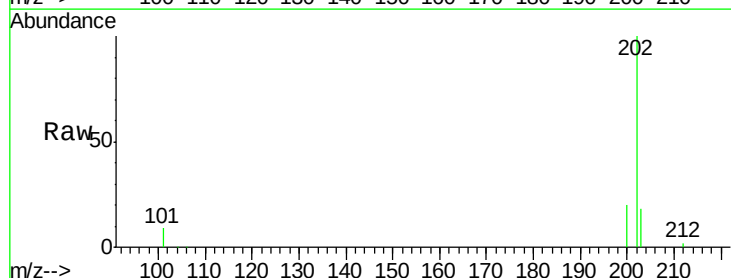
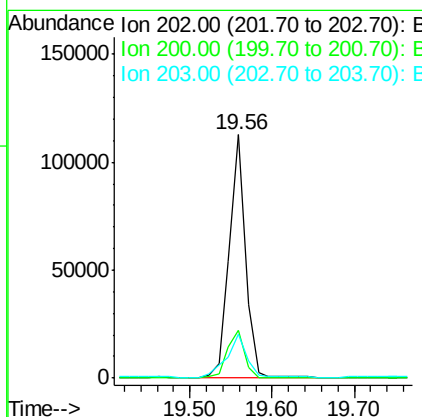
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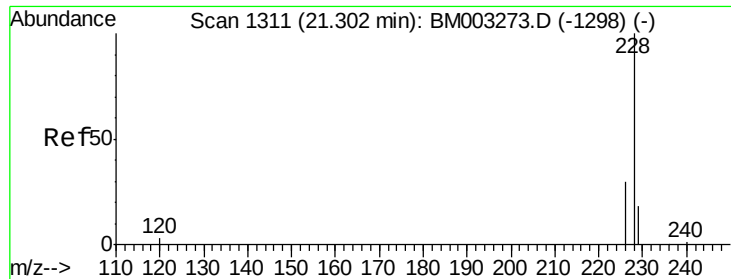
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#19
Pyrene
Concen: 1.06 ng/ul
RT: 19.56 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	17.8	26.8
203	18.1	12.8	19.2





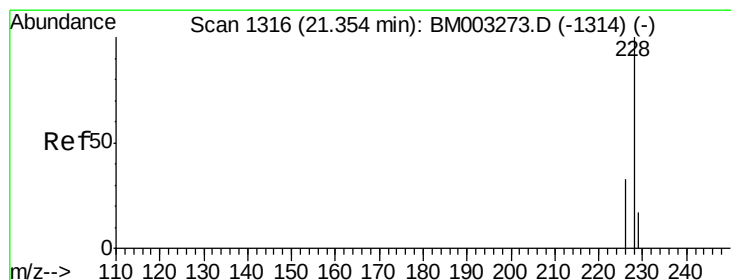
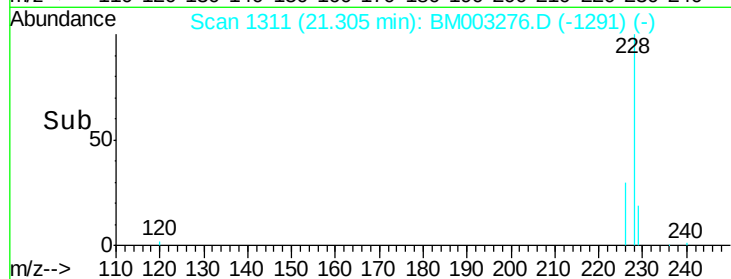
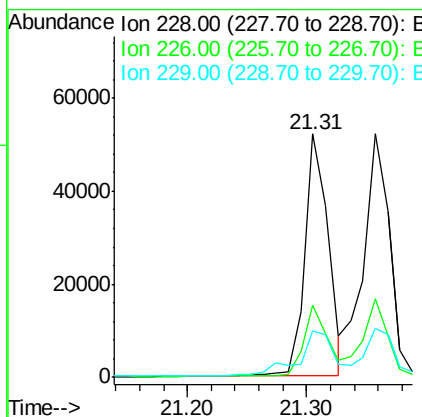
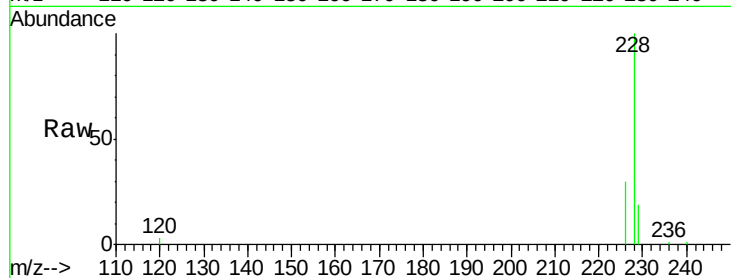
#20
Benzo(a)anthracene
Concen: 0.58 ng/ul
RT: 21.31 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Instrument :
BNA_M
ClientSampleId :
A4J57DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	18.8	28.2#
229	19.3	17.1	25.7

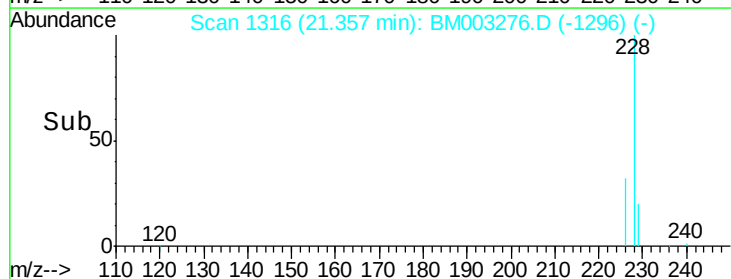
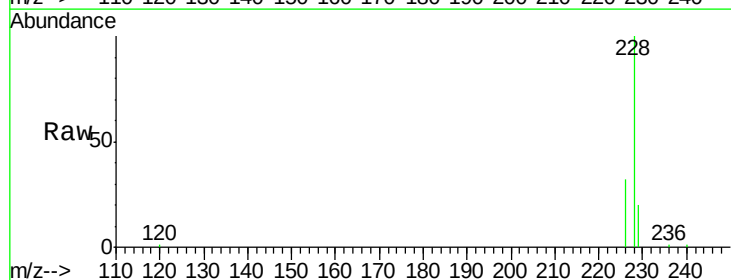
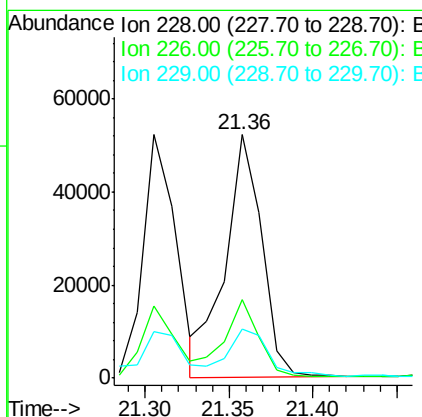
Manual Integrations
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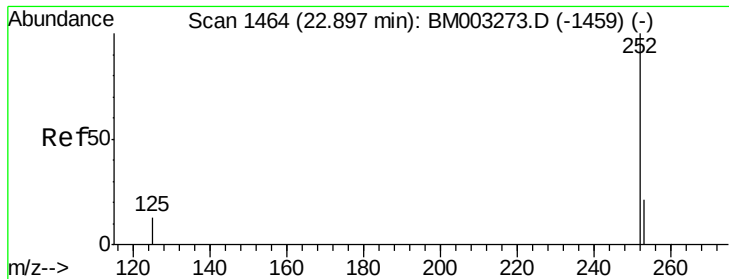
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#21
Chrysene
Concen: 0.57 ng/ul m
RT: 21.36 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.2	31.8#
229	20.3	17.0	25.6





#23

Benzo(b)fluoranthene

Concen: 0.63 ng/ul m

RT: 22.90 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM003276.D

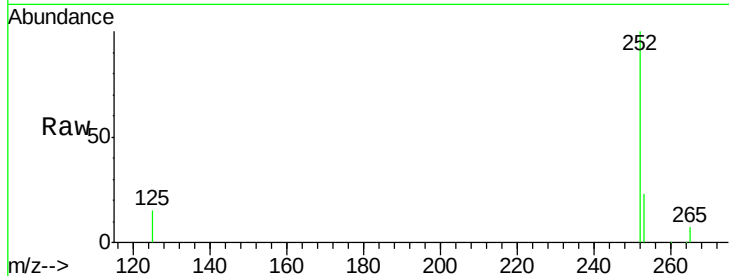
Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

ClientSampleId :

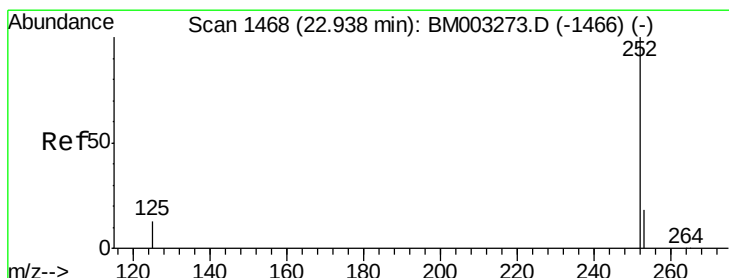
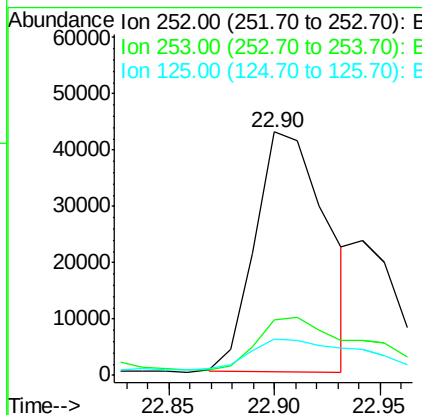
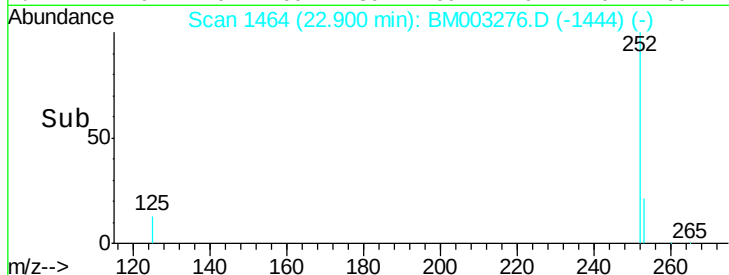
A4J57DL



Tot Ion	Ratio	Resp	Lower	Upper
252	100	100098		
253	23.0		0.0	45.4
125	15.1		0.0	28.8

Manual Integrations
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#24

Benzo(k)fluoranthene

Concen: 0.22 ng/ul m

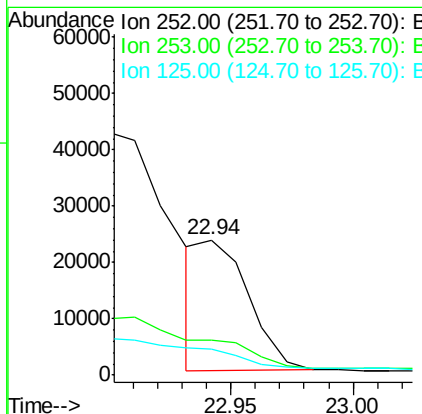
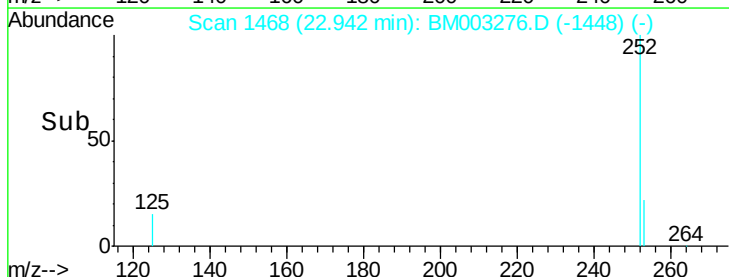
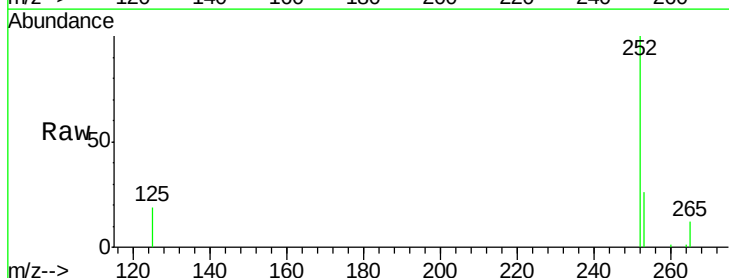
RT: 22.94 min Scan# 1468

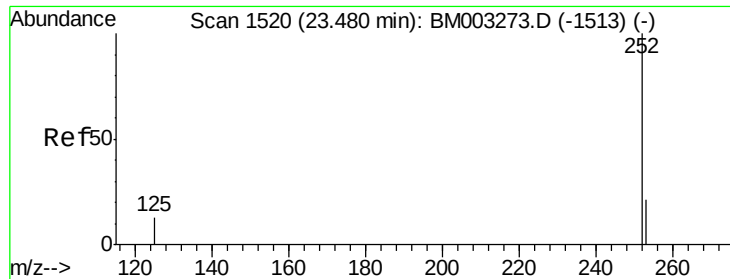
Delta R.T. 0.00 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	32406		
253	26.0		19.8	29.8
125	19.4		10.4	15.6#





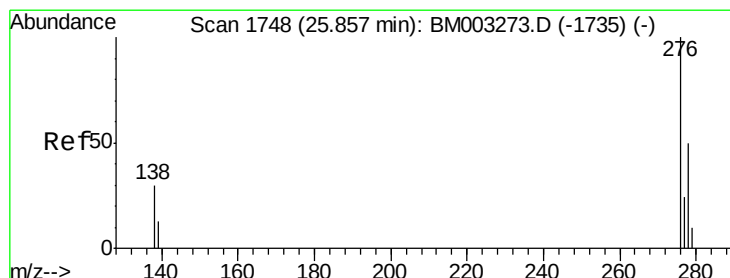
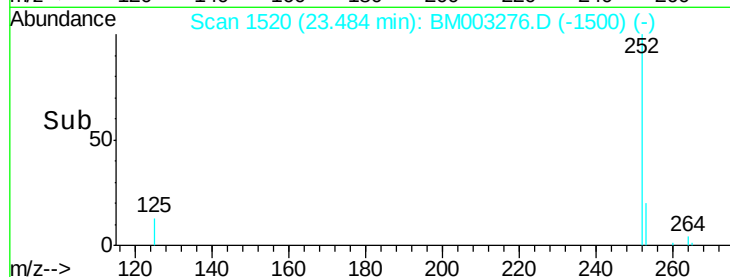
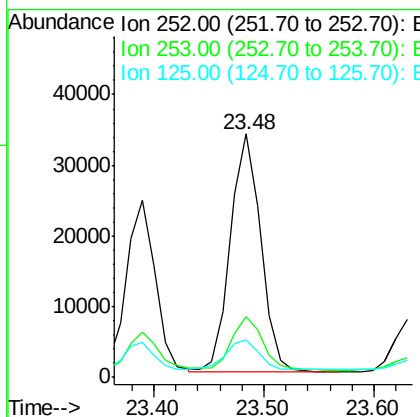
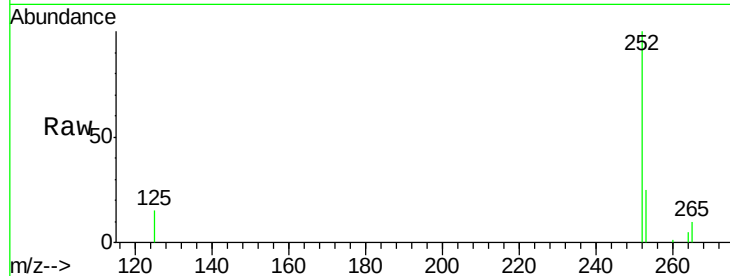
#25
Benzo(a)pyrene
Concen: 0.46 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Instrument :
BNA_M
ClientSampleId :
A4J57DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.4	29.2
125	15.4	12.7	19.1

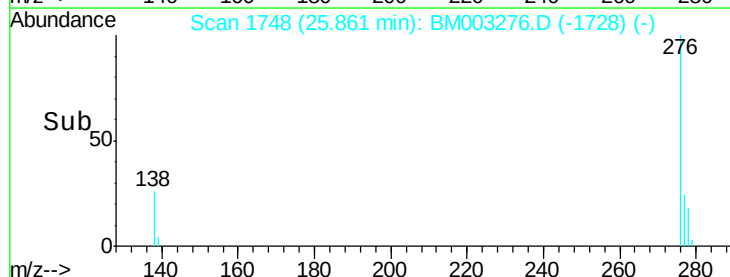
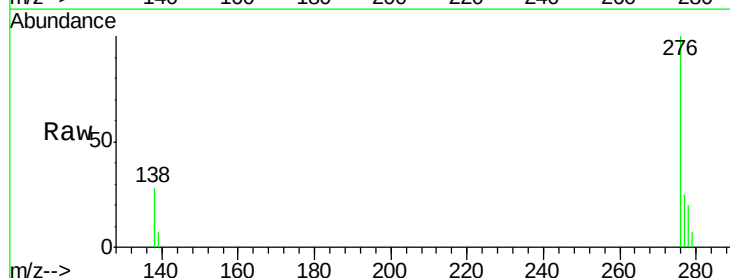
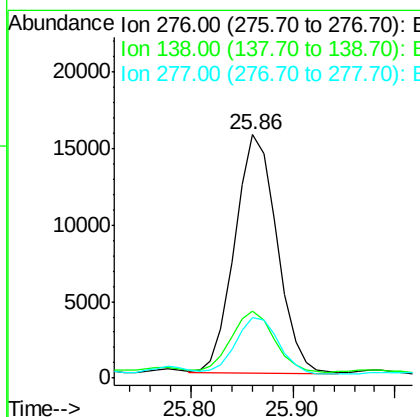
Manual Integrations
APPROVED

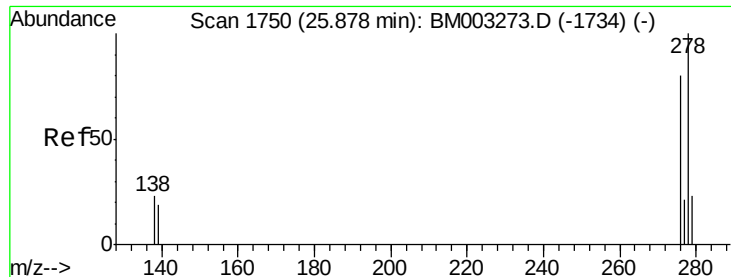
Mmdadoda
11/23/2015 7:04:58 PM



#26
Indeno(1,2,3-cd)pyrene
Concen: 0.27 ng/ul
RT: 25.86 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BM003276.D
Acq: 22 Nov 2015 11:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	16.3	24.5#
277	24.3	19.8	29.8





#27

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Instrument :

BNA_M

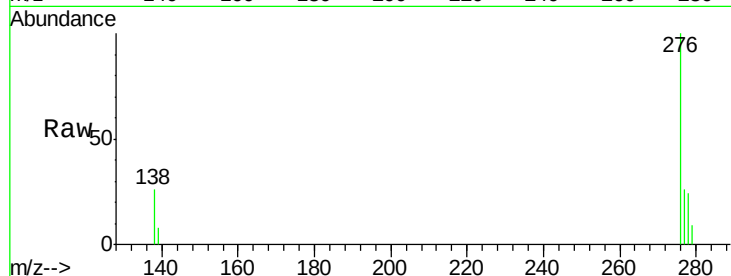
ClientSampleId :

A4J57DL

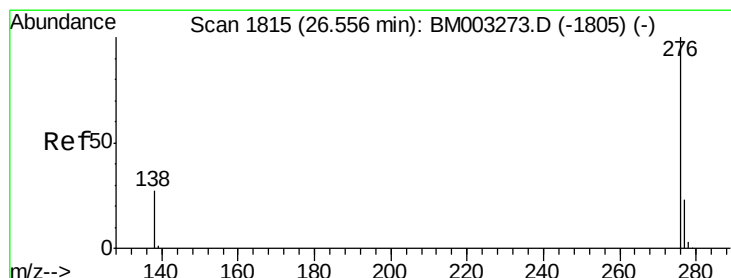
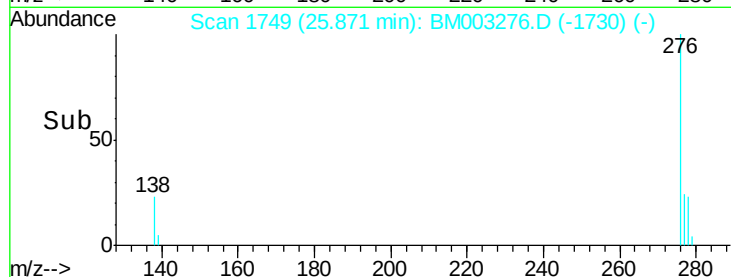
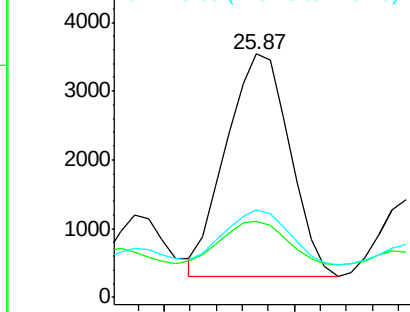
Tot Ion:278	Resp:	10942
Ion Ratio	Lower	Upper
278	100	
139	31.3	16.4 24.6#
279	36.1	20.2 30.2#

Manual Integrations
APPROVED

Mmdadoda
11/23/2015 7:04:58 PM



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



#28

Benzo(g,h,i)perylene

Concen: 0.27 ng/ul

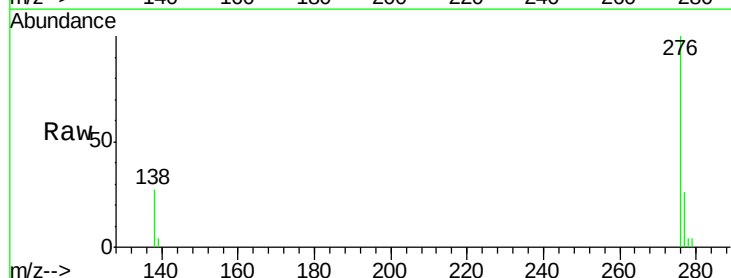
RT: 26.57 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM003276.D

Acq: 22 Nov 2015 11:31

Tgt Ion:276	Resp:	39615
Ion Ratio	Lower	Upper
276	100	
277	25.5	18.9 28.3
138	27.2	22.5 33.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

