

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089535.D
 Acq On : 6 Feb 2015 20:23
 Operator : TP/IZ
 Sample : G1238-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW1

Manual Integrations
 APPROVED

apatel
 2/9/2015 11:54:53 AM

Quant Time: Feb 09 09:04:42 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	36246	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	136210	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	55622	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	105479	5.00	ng	0.00
16) Chrysene-d12	23.72	240	124833	5.00	ng	0.00
22) Perylene-d12	25.41	264	135223	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	83274	9.21	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	128641	8.67	ng	0.00
18) Terphenyl-d14	22.36	244	149182	9.06	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.37	128	1383	0.05	ng	# 1
5) 2-Methylnaphthalene	14.04	142	4865m	0.28	ng	
9) Acenaphthene	16.59	154	1620	0.11	ng	# 77
10) Fluorene	17.84	166	2748	0.17	ng	# 96
13) Phenanthrene	19.89	178	1287	0.05	ng	# 97
15) Fluoranthene	21.79	202	428	0.02	ng	# 95
17) Pyrene	22.10	202	631	0.02	ng	# 98
19) Benzo(a)anthracene	23.71	228	3997	0.04	ng	# 87
20) Chrysene	23.75	228	3283	0.03	ng	# 81
21) Indeno(1,2,3-cd)pyrene	26.85	276	4486	0.03	ng	# 95
23) Benzo(b)fluoranthene	24.98	252	666	0.03	ng	# 70
24) Benzo(k)fluoranthene	25.00	252	1020	0.03	ng	# 66
26) Dibenzo(a,h)anthracene	26.88	278	981	0.03	ng	# 61
27) Benzo(g,h,i)perylene	27.28	276	5287	0.04	ng	# 81

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

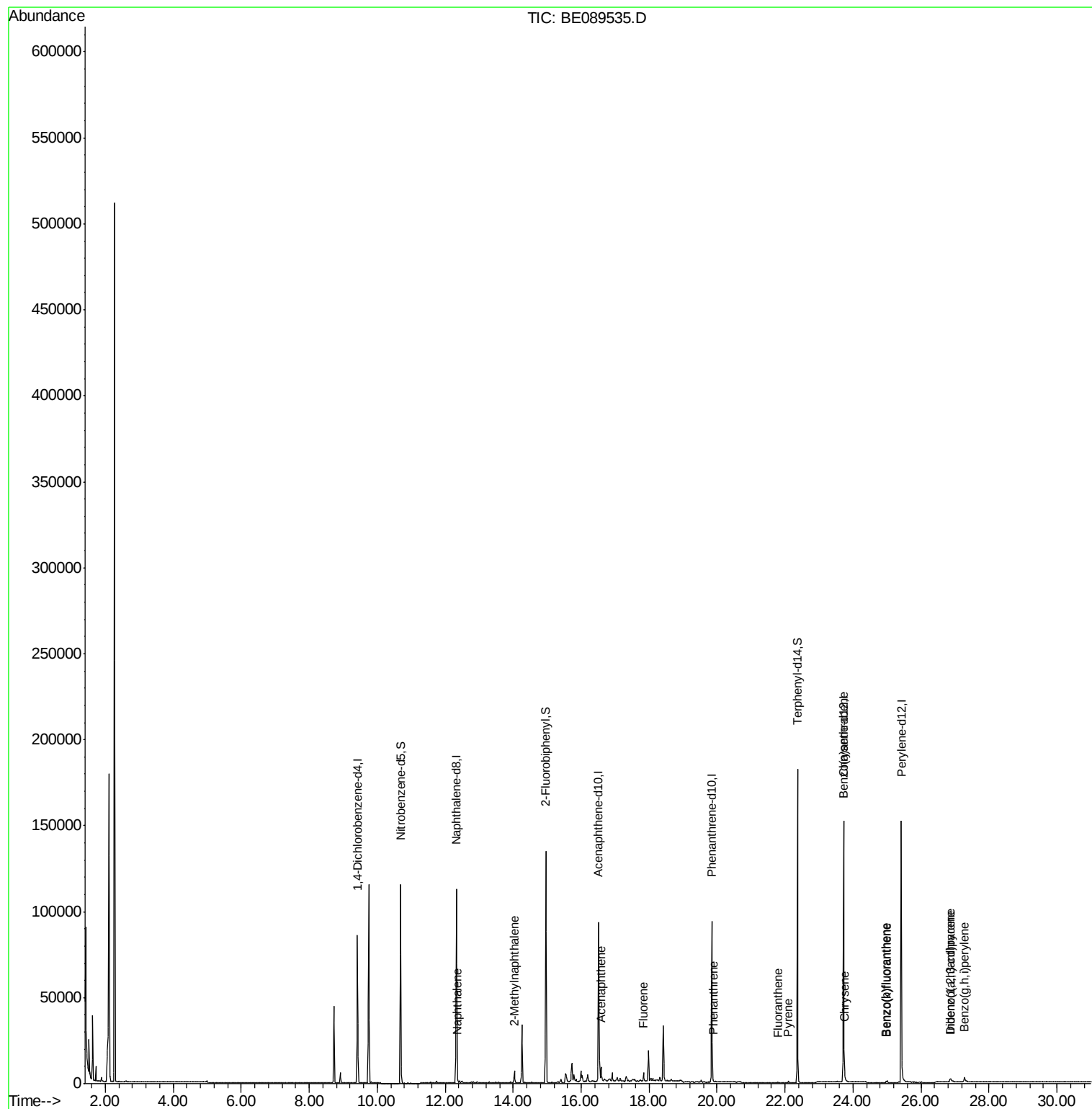
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089535.D
Acq On : 6 Feb 2015 20:23
Operator : TP/IZ
Sample : G1238-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

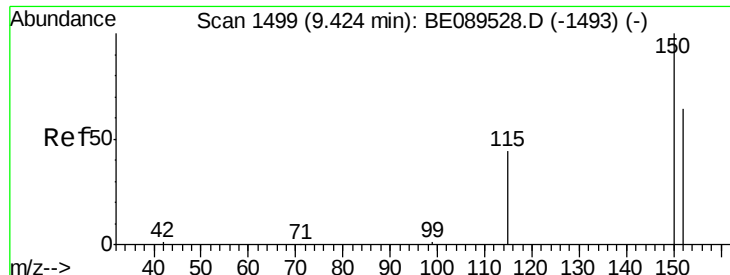
Instrument :
BNA_E
ClientSampleId :
MW1

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM

Quant Time: Feb 09 09:04:42 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 07 04:07:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089535.D

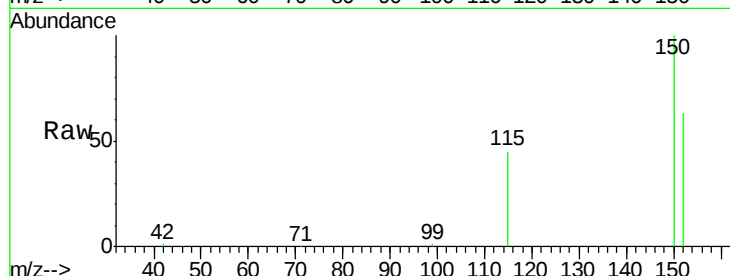
Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

ClientSampled :

MW1



Tgt Ion:152 Resp: 36246

Ion Ratio Lower Upper

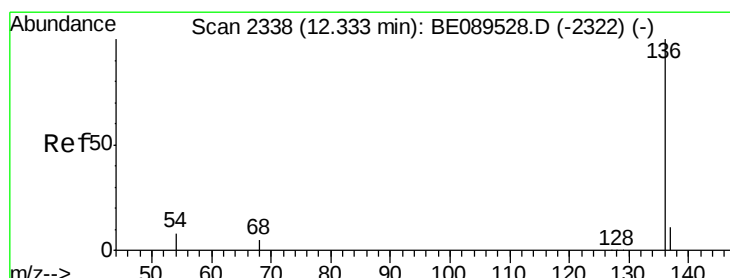
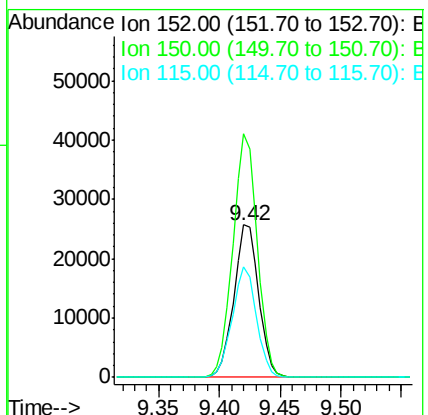
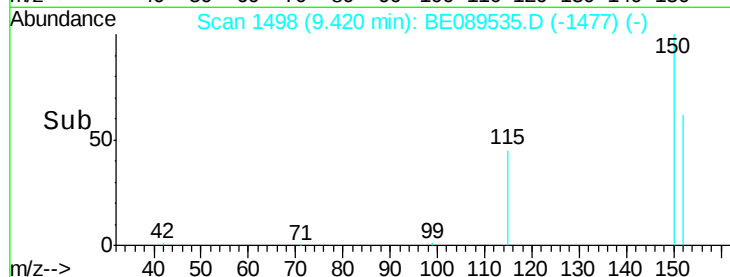
152 100

150 159.9 125.7 188.5

115 72.4 55.6 83.4

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2338

Delta R.T. -0.00 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

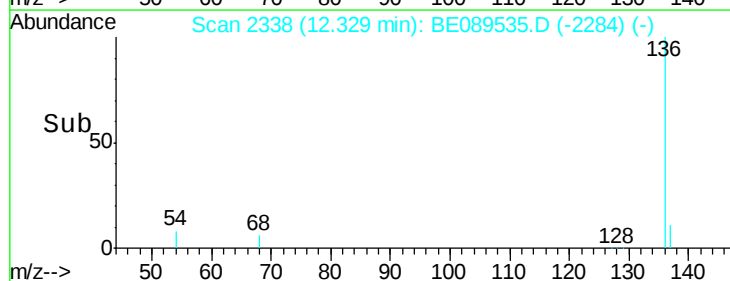
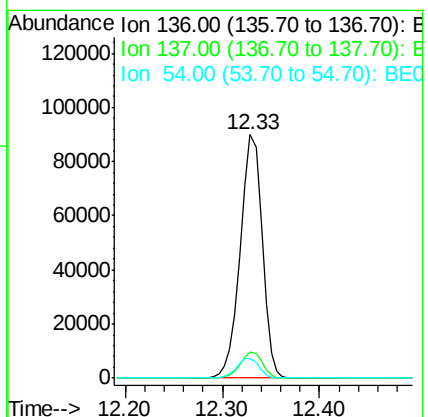
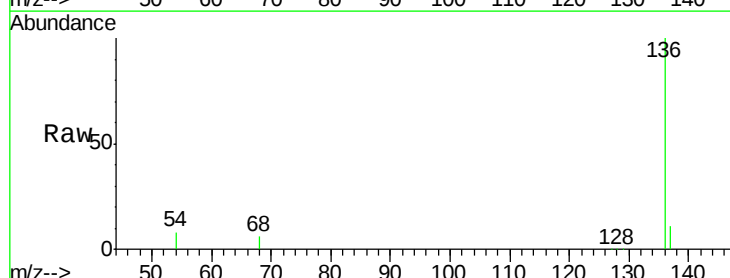
Tgt Ion:136 Resp: 136210

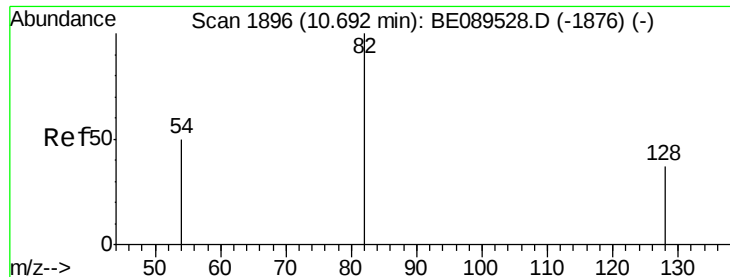
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.3 6.1 9.1





#3

Nitrobenzene-d5

Concen: 9.21 ng

RT: 10.69 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE089535.D

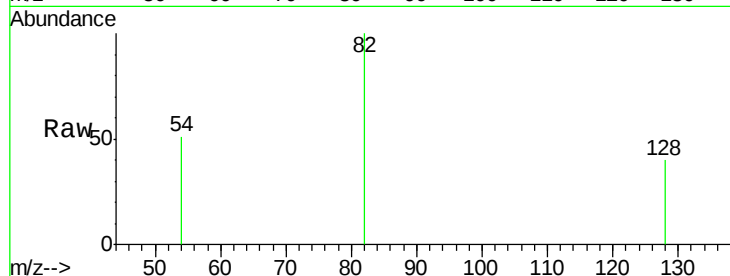
Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

ClientSampleId :

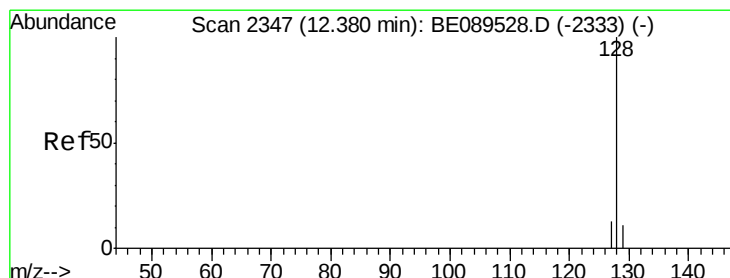
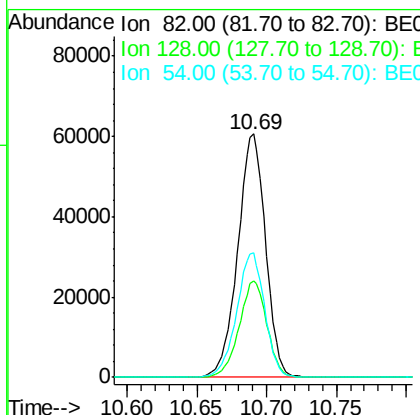
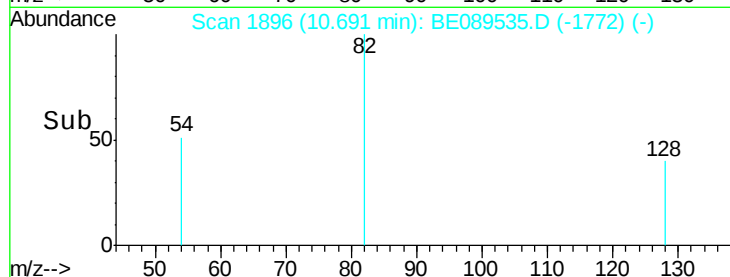
MW1



Tgt Ion:	82	Resp:	83274
Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.2	45.4
54	51.1	40.6	60.8

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM



#4

Naphthalene

Concen: 0.05 ng

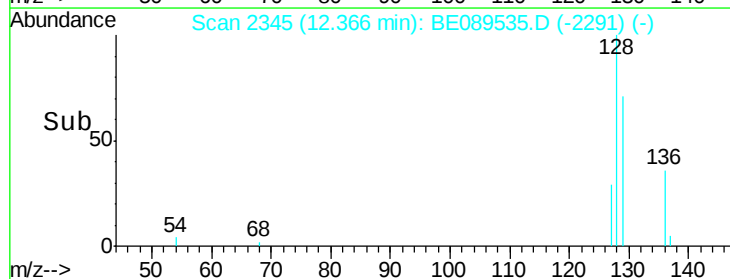
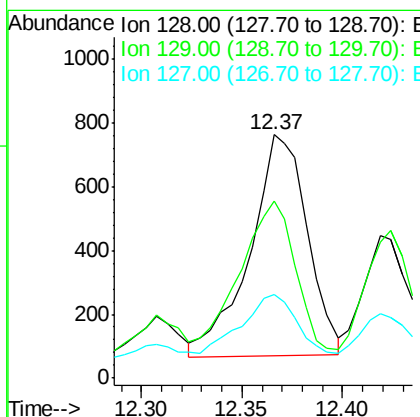
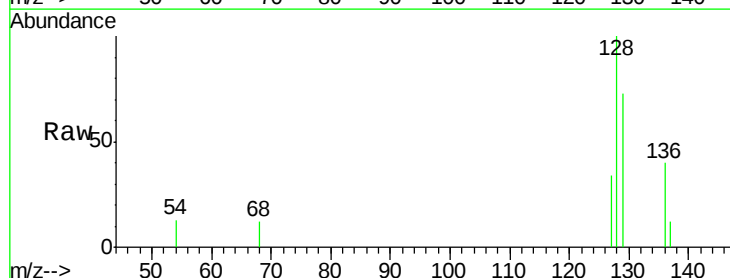
RT: 12.37 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

Tgt Ion:	128	Resp:	1383
Ion	Ratio	Lower	Upper
128	100		
129	72.8	9.1	13.7#
127	34.4	10.5	15.7#





#5

2-Methylnaphthalene

Concen: 0.28 ng m

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

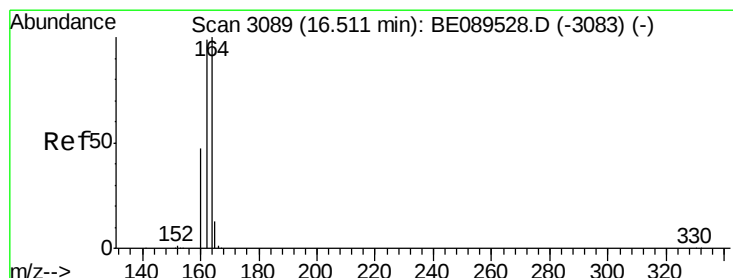
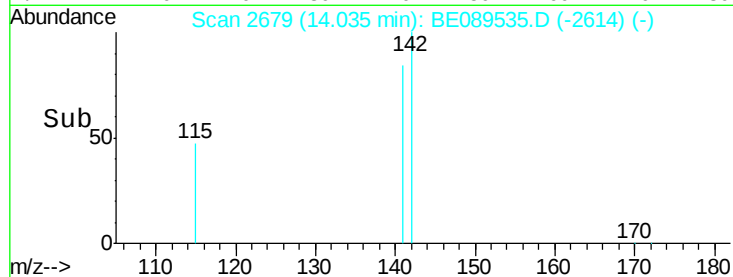
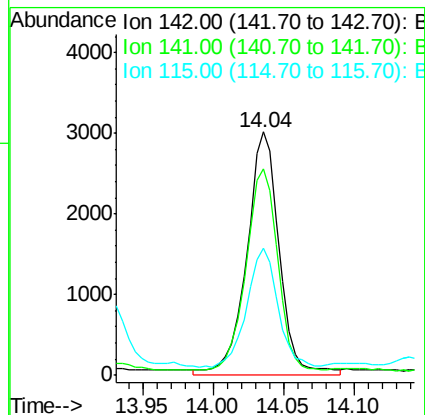
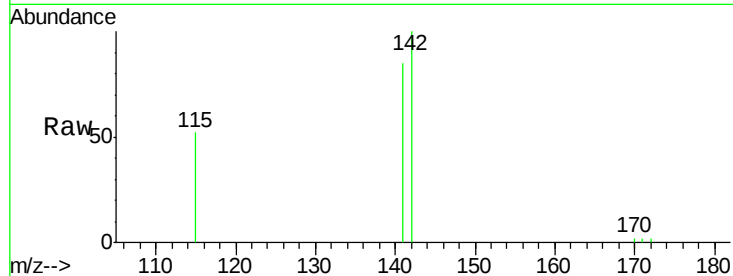
ClientSampleId :

MW1

Tgt Ion:	142	Resp:	4865
Ion Ratio	Lower	Upper	
142	100		
141	85.0	67.0	100.6
115	52.3	30.6	45.8#

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM



#6

Acenaphthene-d10

Concen: 5.00 ng

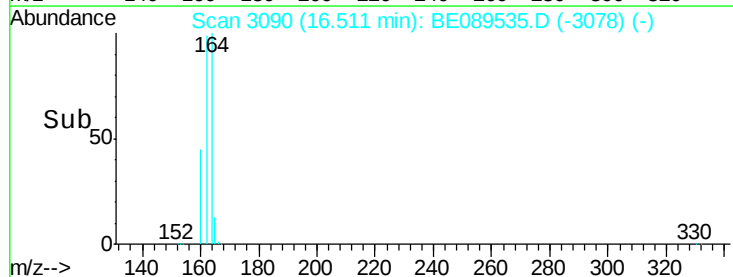
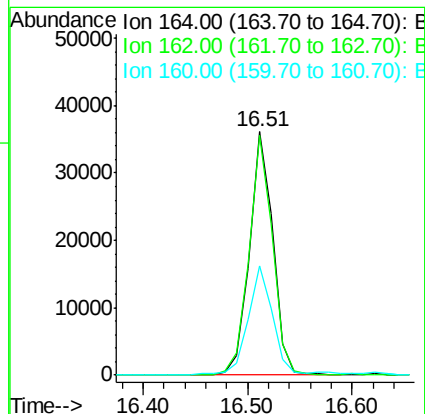
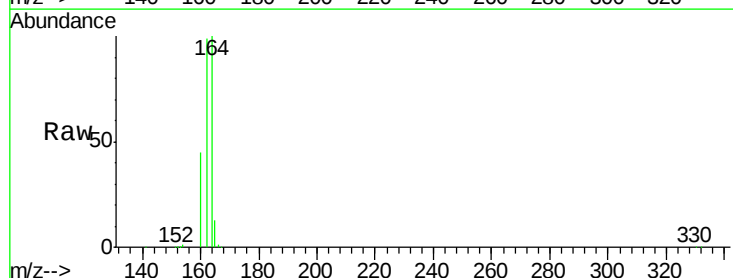
RT: 16.51 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

Tgt Ion:	164	Resp:	55622
Ion Ratio	Lower	Upper	
164	100		
162	98.6	79.5	119.3
160	45.0	37.6	56.4





#7

2-Fluorobiphenyl

Concen: 8.67 ng

RT: 14.96 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089535.D

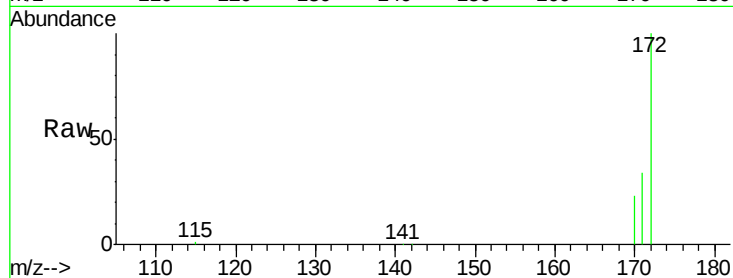
Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

ClientSampleId :

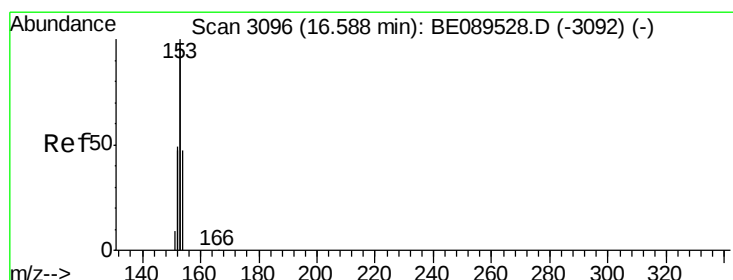
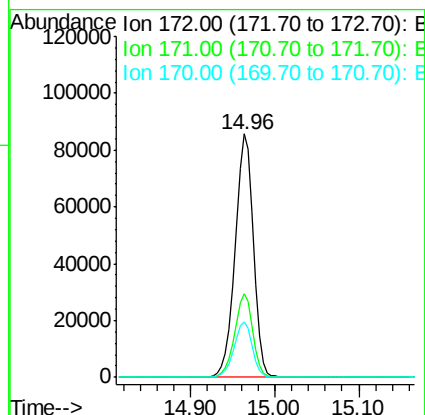
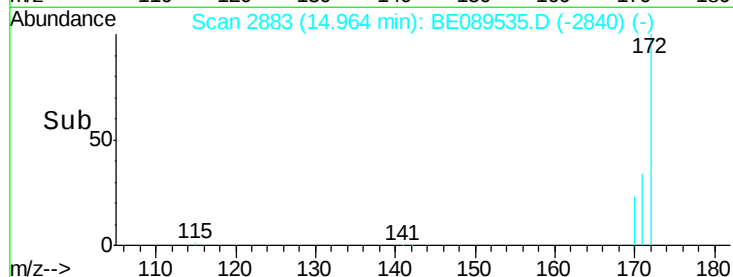
MW1



Tgt Ion:	172	Resp:	128641
Ion Ratio	Lower	Upper	
172	100		
171	34.2	27.7	41.5
170	22.7	18.3	27.5

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM



#9

Acenaphthene

Concen: 0.11 ng

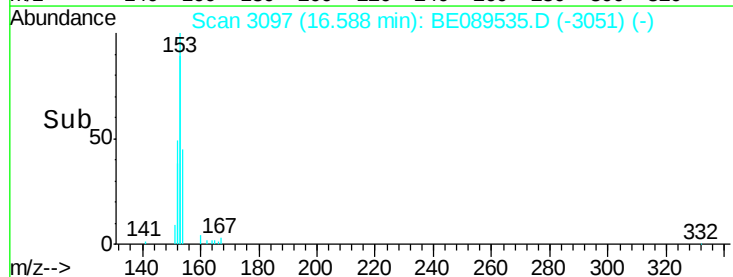
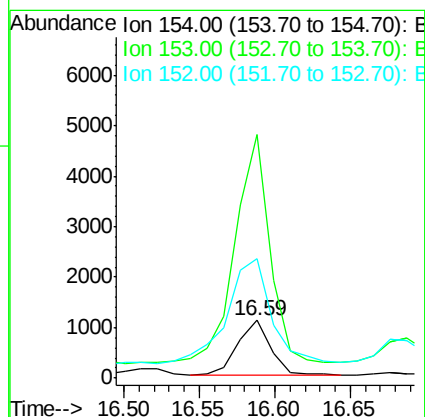
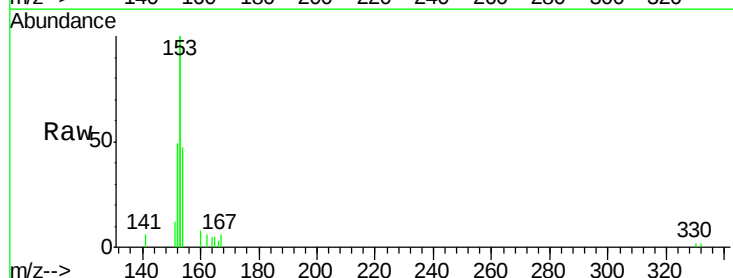
RT: 16.59 min Scan# 3097

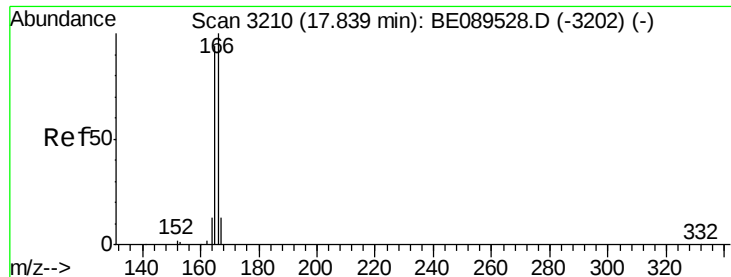
Delta R.T. 0.00 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

Tgt Ion:	154	Resp:	1620
Ion Ratio	Lower	Upper	
154	100		
153	462.8	340.8	511.2
152	267.6	165.5	248.3





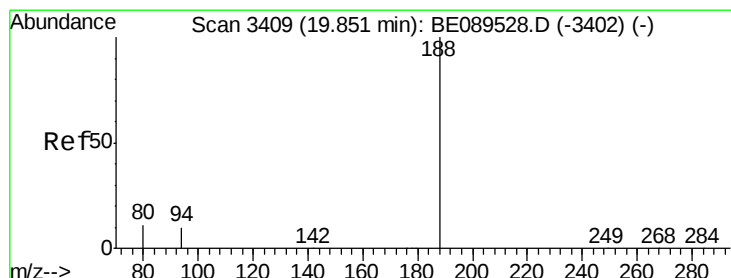
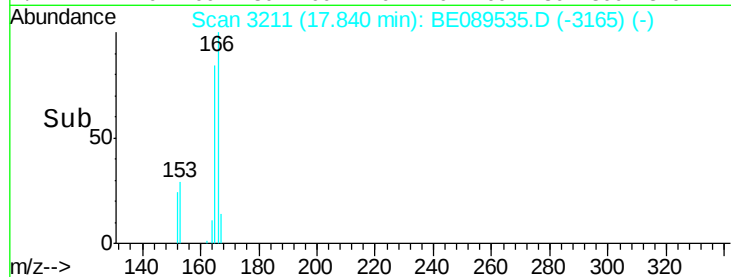
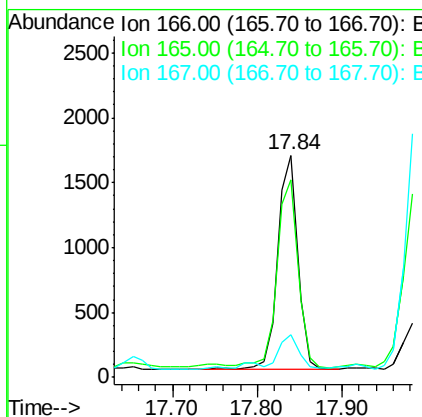
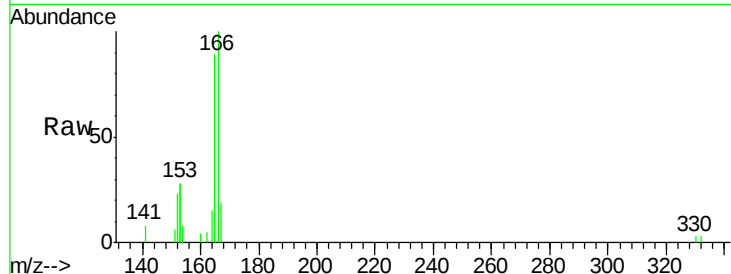
#10
Fluorene
Concen: 0.17 ng
RT: 17.84 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BE089535.D
Acq: 6 Feb 2015 20:23

Instrument :
BNA_E
ClientSampleId :
MW1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.4	75.5	113.3
167	21.1	10.9	16.3#

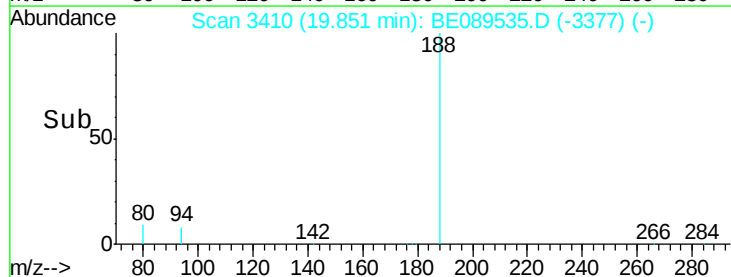
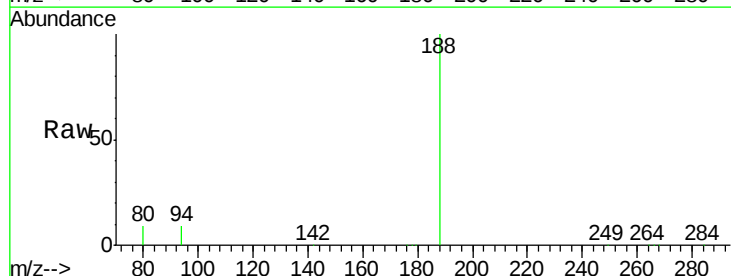
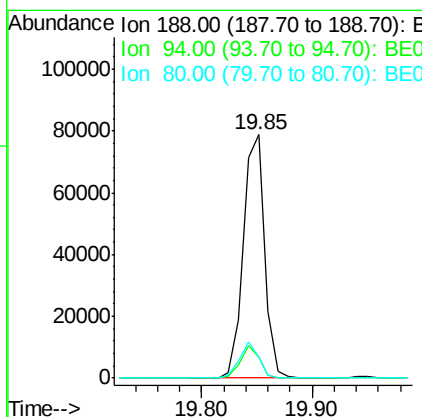
Manual Integrations
APPROVED

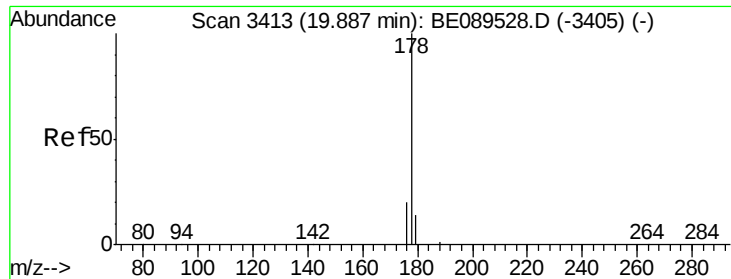
apatel
2/9/2015 11:54:53 AM



#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3410
Delta R.T. 0.00 min
Lab File: BE089535.D
Acq: 6 Feb 2015 20:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.4	12.6
80	8.7	8.6	12.8





#13

Phenanthrene

Concen: 0.05 ng

RT: 19.89 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

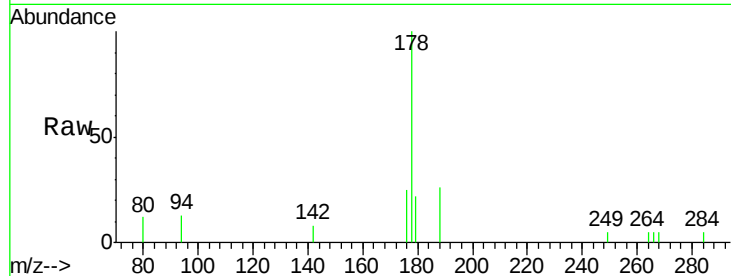
ClientSampleId :

MW1

Tgt Ion:	178	Resp:	1287
Ion Ratio	Lower	Upper	
178	100		
176	21.3	15.4	23.0
179	15.2	12.2	18.2

Manual Integrations
APPROVED

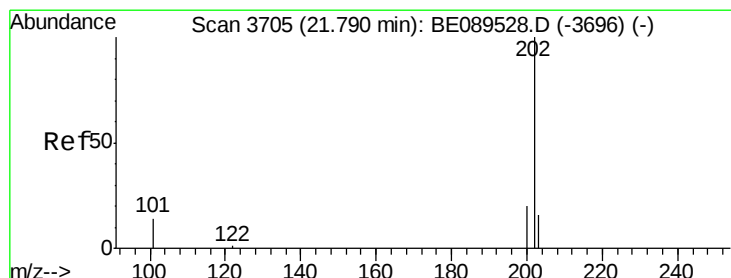
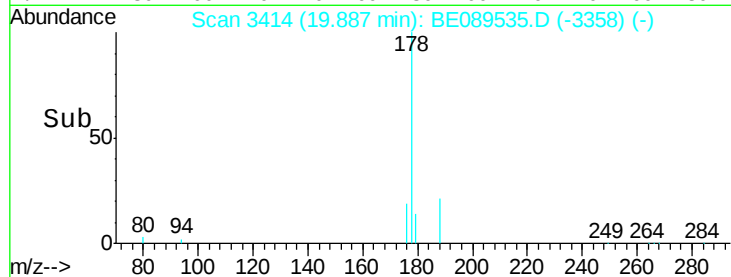
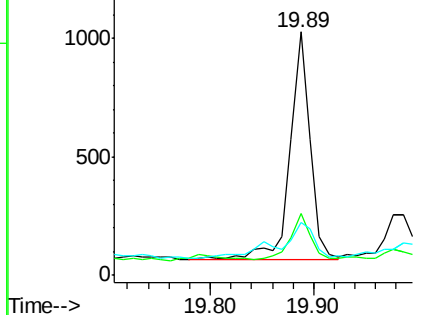
apatel
2/9/2015 11:54:53 AM



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

Fluoranthene

Concen: 0.02 ng

RT: 21.79 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BE089535.D

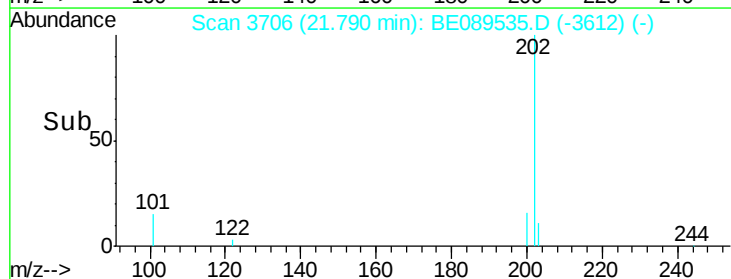
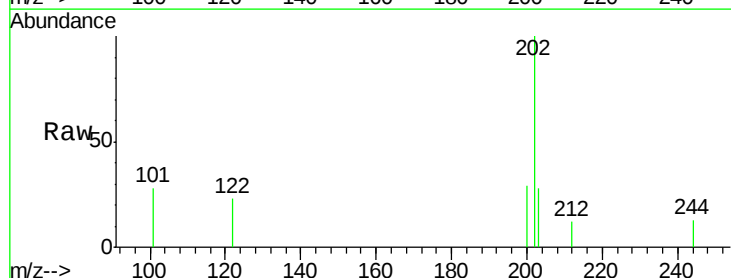
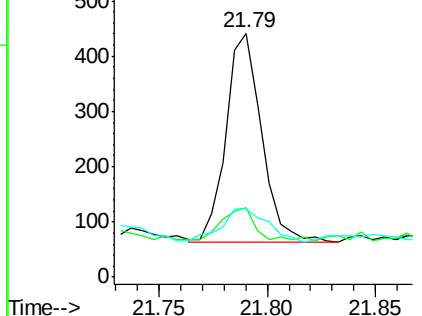
Acq: 6 Feb 2015 20:23

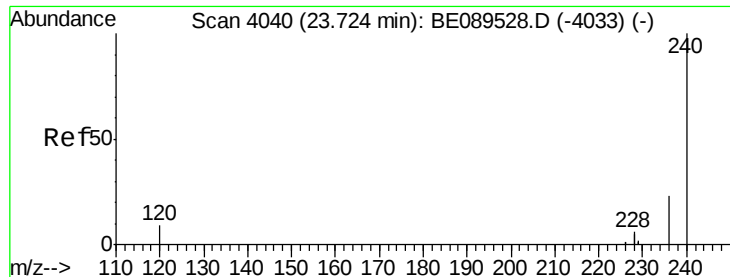
Tgt Ion:	202	Resp:	428
Ion Ratio	Lower	Upper	
202	100		
101	15.2	11.6	17.4
203	20.6	13.6	20.4#

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





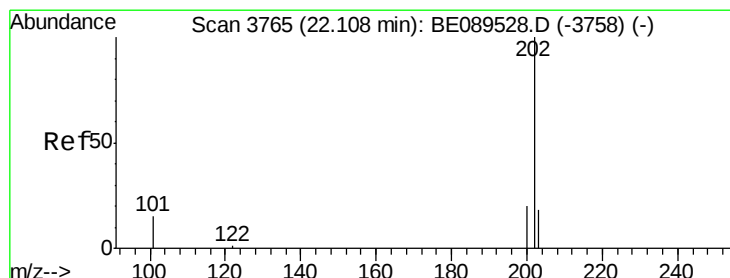
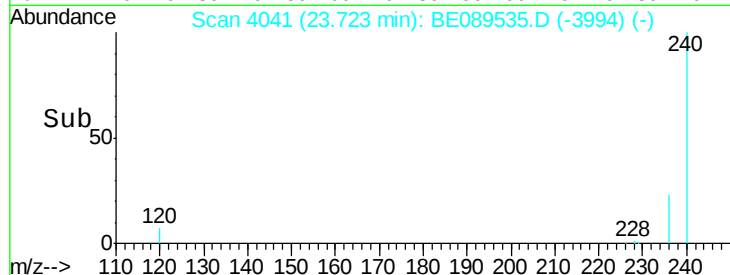
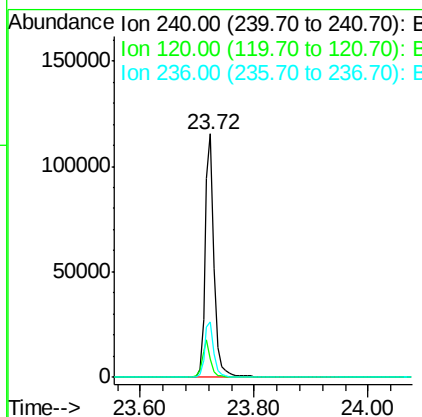
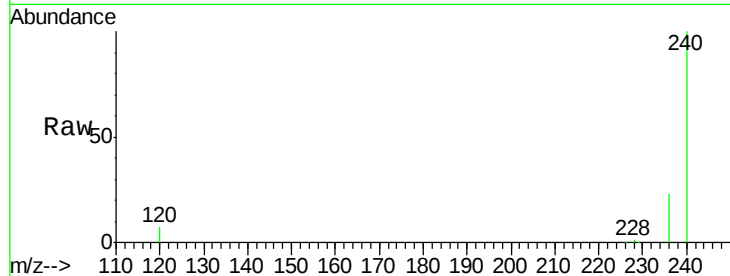
#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4041
Delta R.T. -0.00 min
Lab File: BE089535.D
Acq: 6 Feb 2015 20:23

Instrument :
BNA_E
ClientSampleId :
MW1

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	124833		
120	7.5	7.2	10.8	
236	22.9	18.5	27.7	

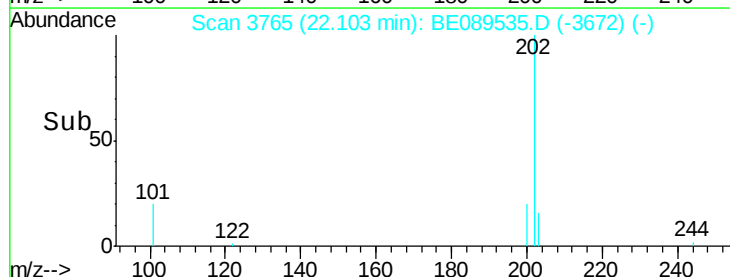
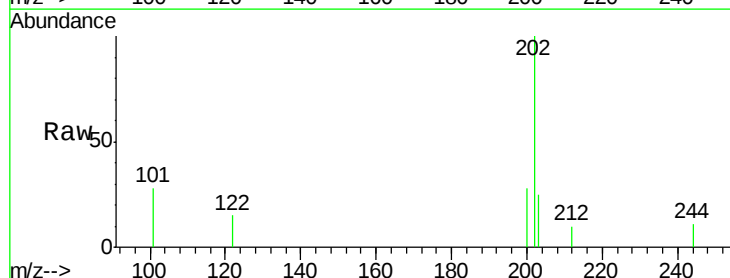
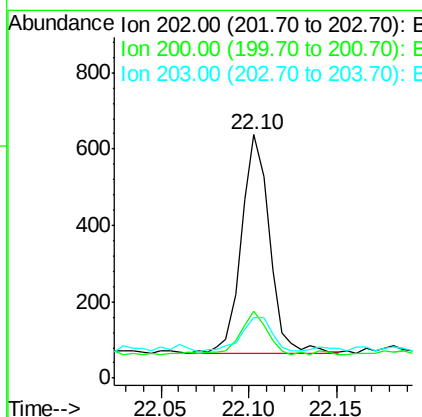
Manual Integrations
APPROVED

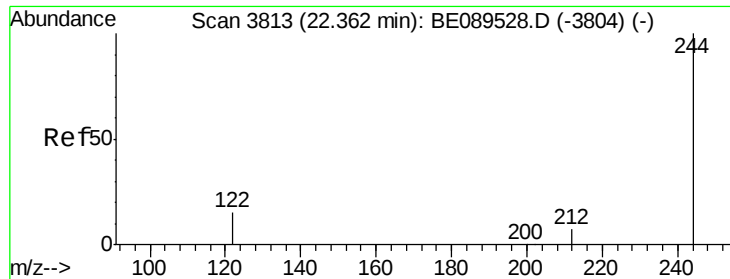
apatel
2/9/2015 11:54:53 AM



#17
Pyrene
Concen: 0.02 ng
RT: 22.10 min Scan# 3765
Delta R.T. -0.00 min
Lab File: BE089535.D
Acq: 6 Feb 2015 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	631		
200	21.2	16.3	24.5	
203	18.1	13.5	20.3	





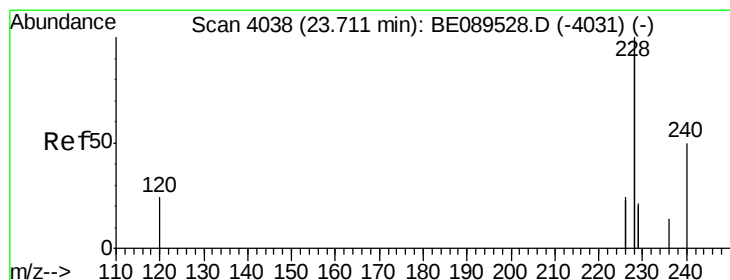
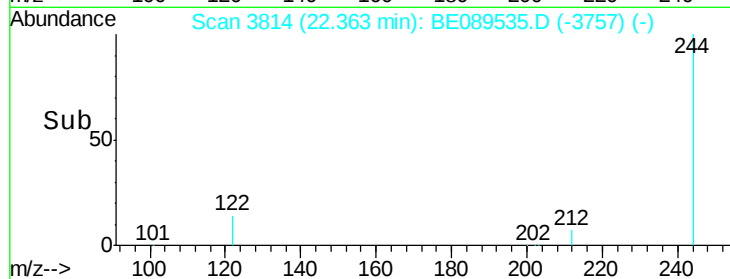
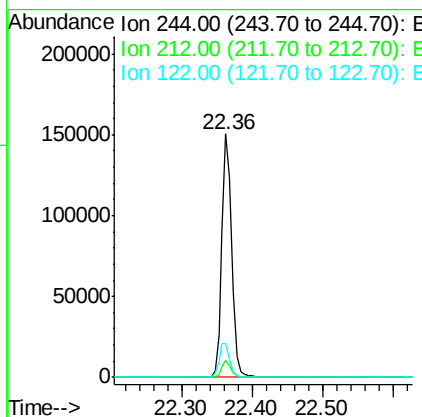
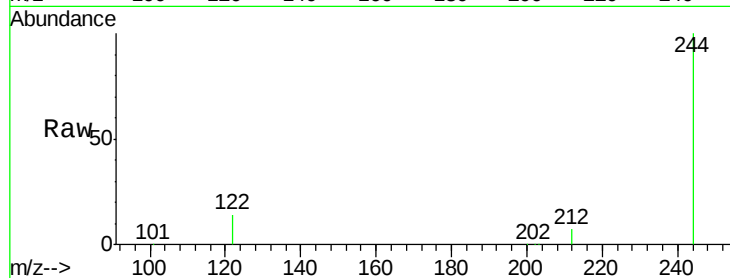
#18
 Terphenyl-d14
 Concen: 9.06 ng
 RT: 22.36 min Scan# 3814
 Delta R.T. 0.00 min
 Lab File: BE089535.D
 Acq: 6 Feb 2015 20:23

Instrument :
 BNA_E
 ClientSampleId :
 MW1

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.8	8.8
122	14.0	12.6	19.0

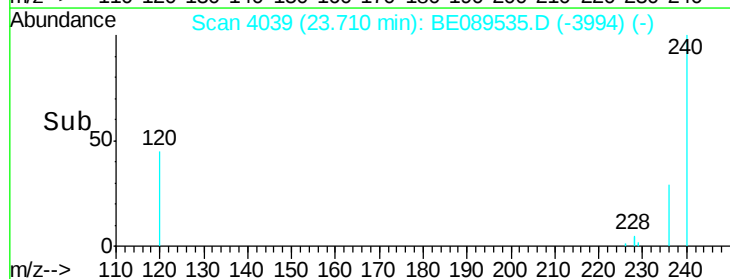
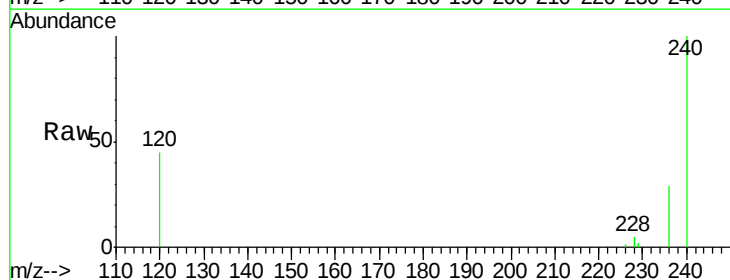
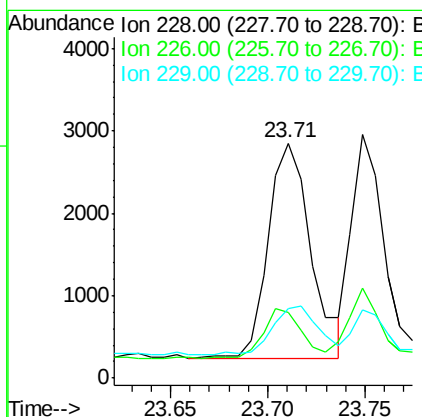
Manual Integrations
 APPROVED

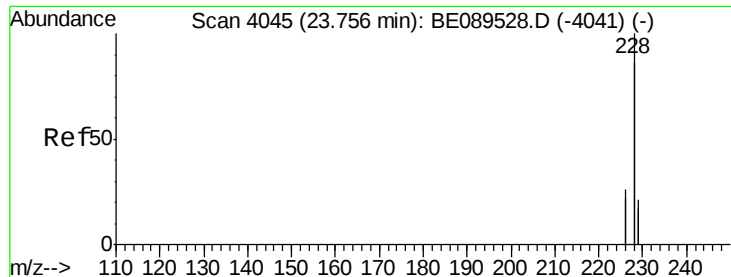
apatel
 2/9/2015 11:54:53 AM



#19
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 23.71 min Scan# 4039
 Delta R.T. -0.00 min
 Lab File: BE089535.D
 Acq: 6 Feb 2015 20:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.7	19.0	28.4
229	29.4	16.8	25.2#





#20

Chrysene

Concen: 0.03 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.01 min

Lab File: BE089535.D

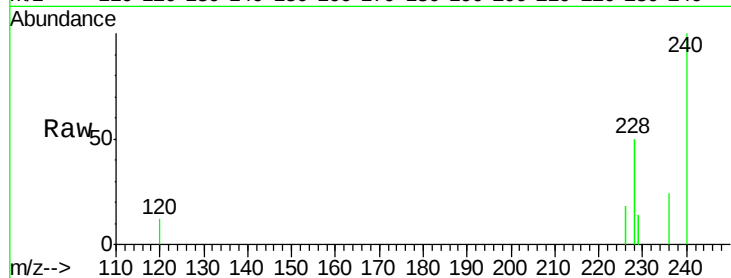
Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

ClientSampleId :

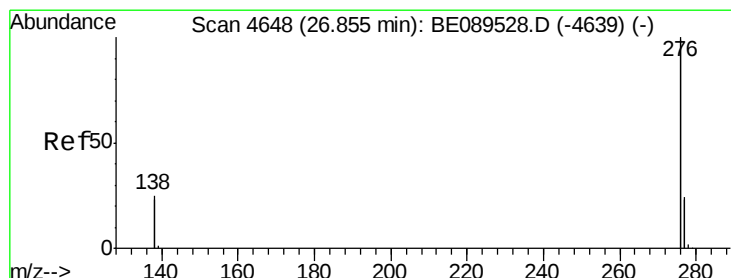
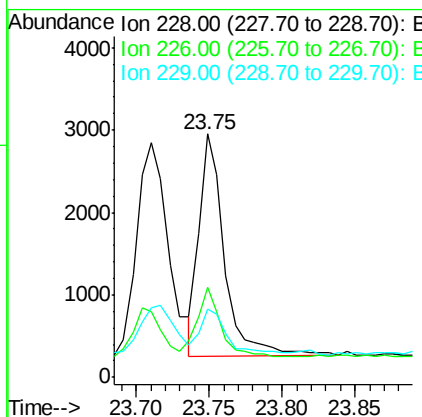
MW1



Tgt Ion:	228	Resp:	3283
Ion Ratio	Lower	Upper	
228	100		
226	37.0	21.0	31.4#
229	28.0	16.7	25.1#

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM



#21

Indeno(1,2,3-cd)pyrene

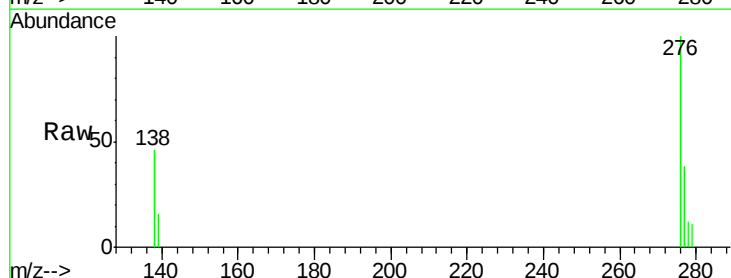
Concen: 0.03 ng

RT: 26.85 min Scan# 4649

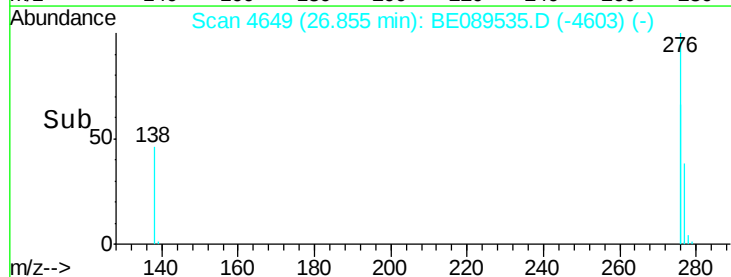
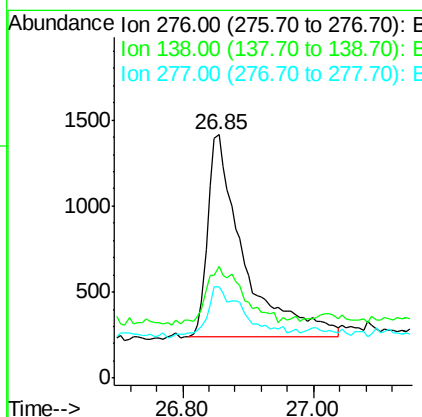
Delta R.T. 0.00 min

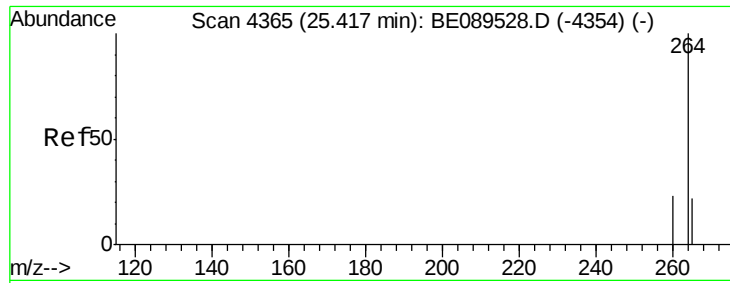
Lab File: BE089535.D

Acq: 6 Feb 2015 20:23



Tgt Ion:	276	Resp:	4486
Ion Ratio	Lower	Upper	
276	100		
138	32.1	23.0	34.4
277	26.5	19.9	29.9





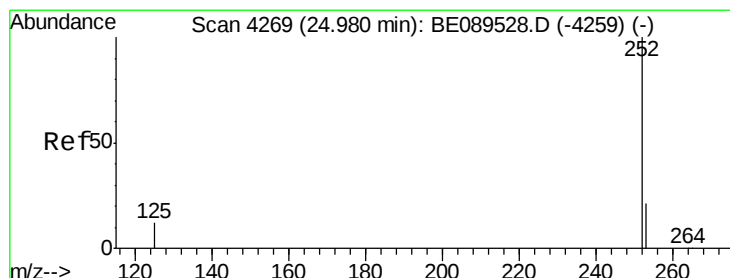
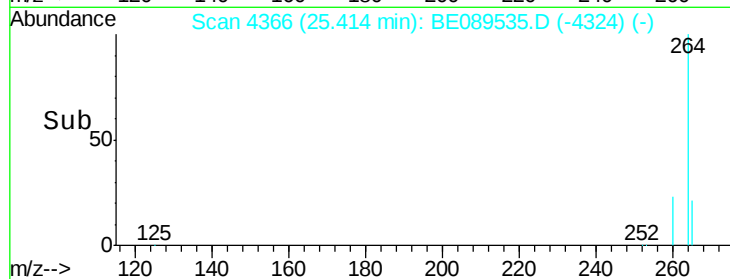
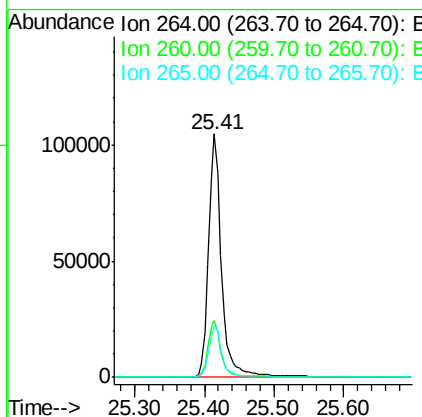
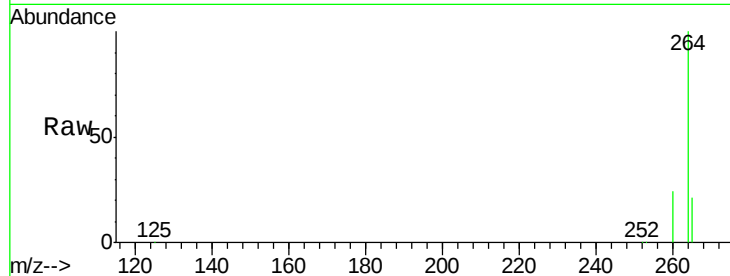
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.41 min Scan# 4366
 Delta R.T. -0.00 min
 Lab File: BE089535.D
 Acq: 6 Feb 2015 20:23

Instrument :
 BNA_E
 ClientSampleId :
 MW1

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	135223		
260	23.5	18.7	28.1	
265	21.3	17.5	26.3	

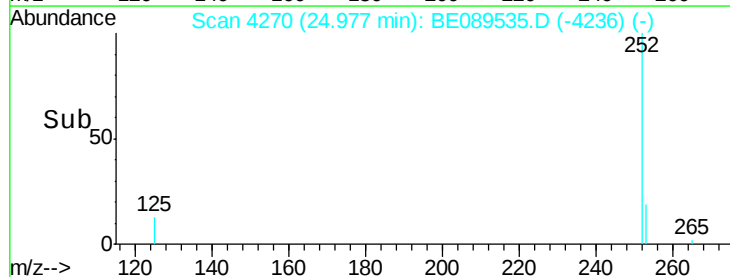
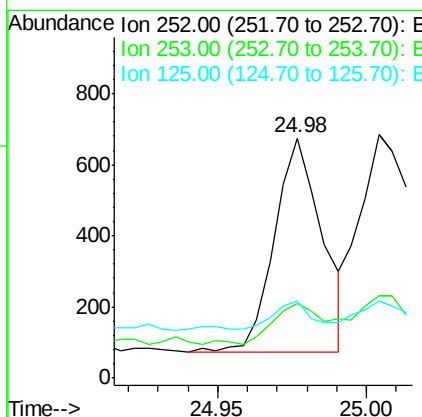
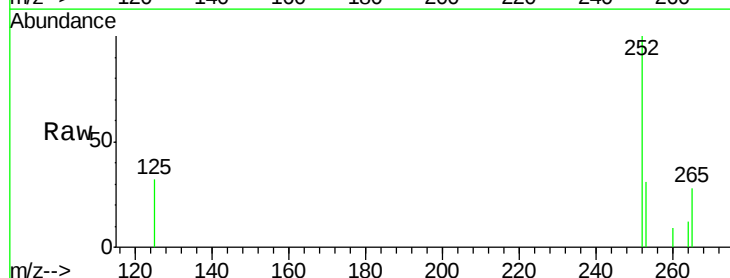
Manual Integrations
 APPROVED

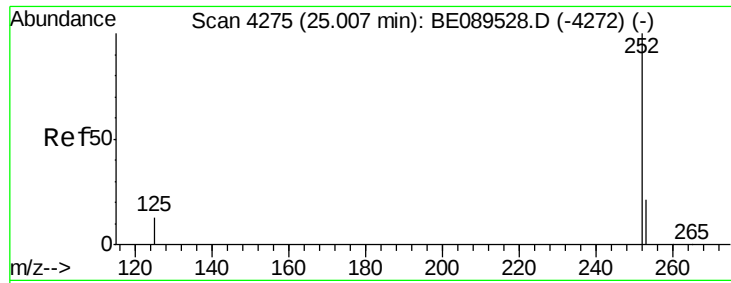
apatel
 2/9/2015 11:54:53 AM



#23
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 24.98 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: BE089535.D
 Acq: 6 Feb 2015 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	666		
253	30.8	17.4	26.0#	
125	32.0	10.4	15.6#	





#24

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 25.00 min Scan# 4276

Delta R.T. -0.00 min

Lab File: BE089535.D

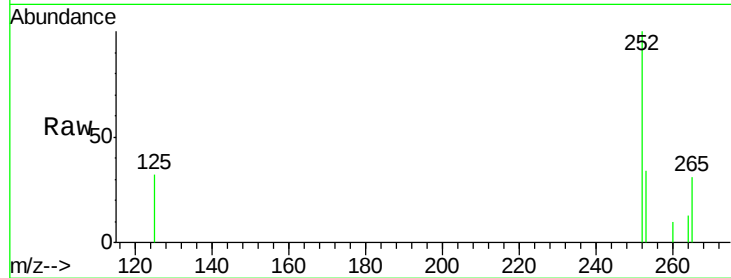
Acq: 6 Feb 2015 20:23

Instrument :

BNA_E

ClientSampleId :

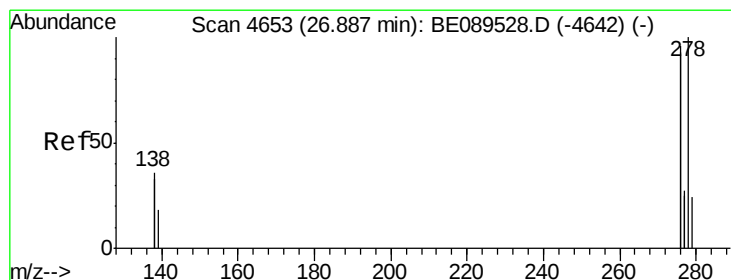
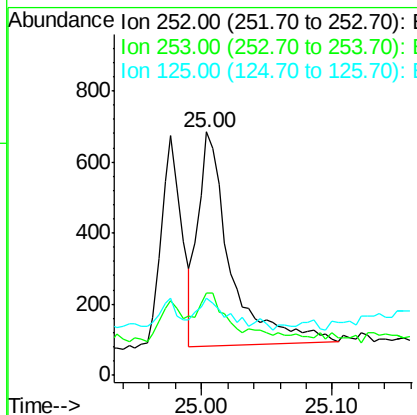
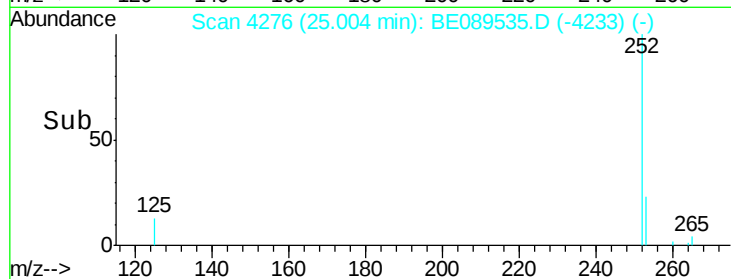
MW1



Tgt Ion:	252	Resp:	1020
Ion Ratio	Lower	Upper	
252	100		
253	34.0	17.2	25.8#
125	31.7	10.6	15.8#

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:53 AM



#26

Dibenzo(a,h)anthracene

Concen: 0.03 ng

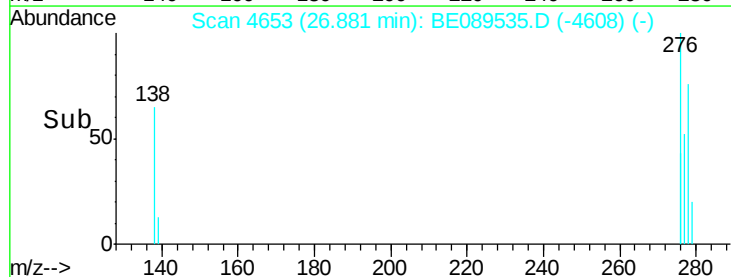
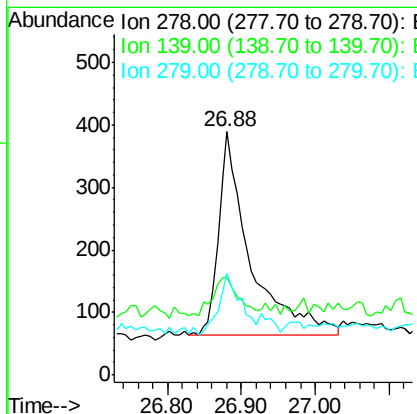
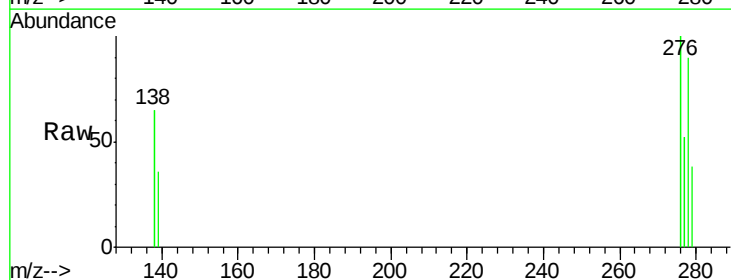
RT: 26.88 min Scan# 4653

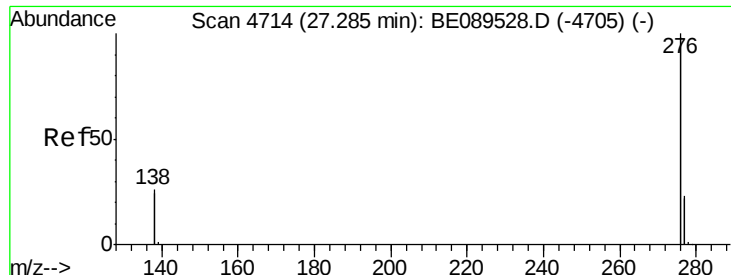
Delta R.T. -0.01 min

Lab File: BE089535.D

Acq: 6 Feb 2015 20:23

Tgt Ion:	278	Resp:	981
Ion Ratio	Lower	Upper	
278	100		
139	40.1	15.7	23.5#
279	41.6	19.5	29.3#





#27
 Benzo(g,h,i)perylene
 Concen: 0.04 ng
 RT: 27.28 min Scan# 4714
 Delta R.T. -0.01 min
 Lab File: BE089535.D
 Acq: 6 Feb 2015 20:23

Instrument :
 BNA_E
 ClientSampleId :
 MW1

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	31.9	18.6	27.8#
138	36.8	20.9	31.3#

Manual Integrations
 APPROVED

apatel
 2/9/2015 11:54:53 AM

