

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089524.D
 Acq On : 6 Feb 2015 12:32
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Manual Integrations
 APPROVED

apatel
 2/9/2015 11:54:45 AM

Quant Time: Feb 07 04:13:26 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 03:25:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.43	152	32311	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	122716	5.00	ng	0.00
6) Acenaphthene-d10	16.52	164	47715	5.00	ng	0.01
11) Phenanthrene-d10	19.85	188	81375	5.00	ng	0.00
16) Chrysene-d12	23.72	240	90618	5.00	ng	0.00
22) Perylene-d12	25.42	264	104587	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	790	0.09	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	1342	0.09	ng	0.00
18) Terphenyl-d14	22.36	244	1199	0.07	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.38	128	2848	0.09	ng	# 94
5) 2-Methylnaphthalene	14.04	142	1571m	0.08	ng	
8) Acenaphthylene	16.17	152	7424	0.07	ng	# 94
9) Acenaphthene	16.59	154	1318	0.09	ng	82
10) Fluorene	17.84	166	1351	0.08	ng	# 96
13) Phenanthrene	19.90	178	2143	0.09	ng	96
14) Anthracene	19.99	178	1538	0.07	ng	97
15) Fluoranthene	21.79	202	1807	0.08	ng	96
17) Pyrene	22.11	202	1898	0.07	ng	96
19) Benzo(a)anthracene	23.71	228	8598	0.09	ng	96
20) Chrysene	23.75	228	8328	0.08	ng	95
21) Indeno(1,2,3-cd)pyrene	26.85	276	11467	0.10	ng	96
23) Benzo(b)fluoranthene	24.98	252	1933	0.08	ng	# 87
24) Benzo(k)fluoranthene	25.01	252	2401	0.07	ng	# 88
25) Benzo(a)pyrene	25.35	252	1893	0.08	ng	# 82
26) Dibenzo(a,h)anthracene	26.89	278	2240	0.08	ng	# 78
27) Benzo(g,h,i)perylene	27.29	276	10260	0.09	ng	# 88

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

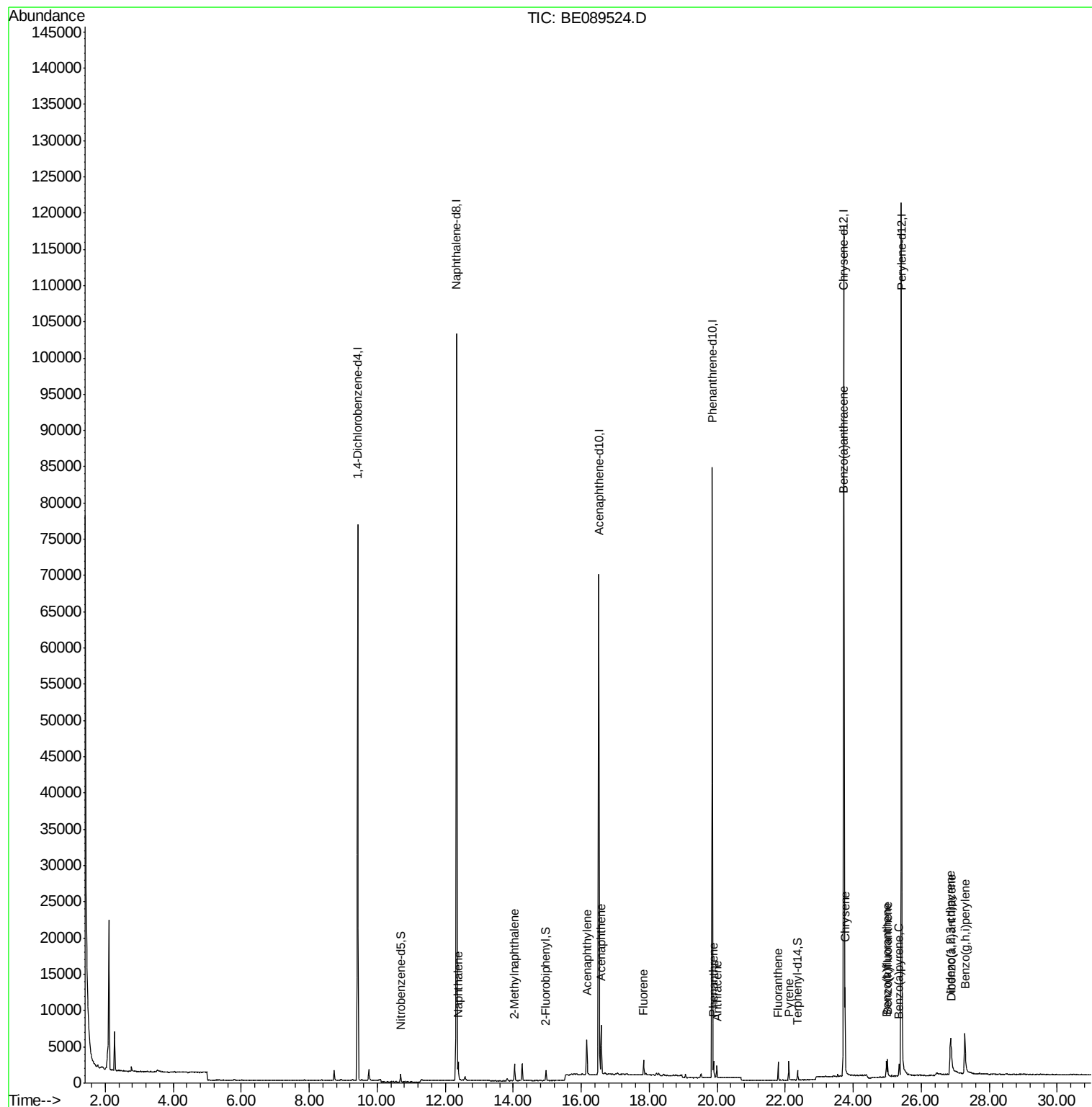
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089524.D
Acq On : 6 Feb 2015 12:32
Operator : TP/IZ
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

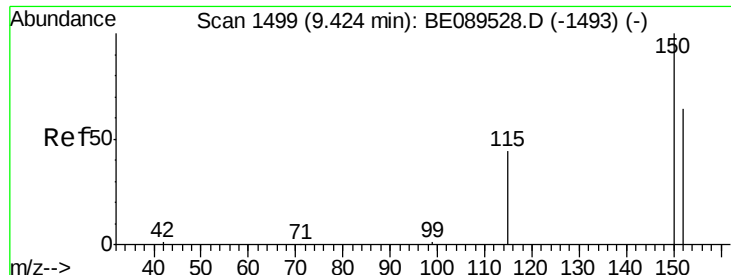
Instrument :
BNA_E
LabSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM

Quant Time: Feb 07 04:13:26 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 03:25:41 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.43 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BE089524.D

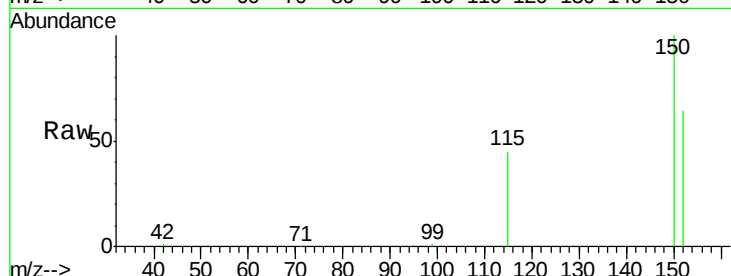
Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1



Tgt Ion:152 Resp: 32311

Ion Ratio Lower Upper

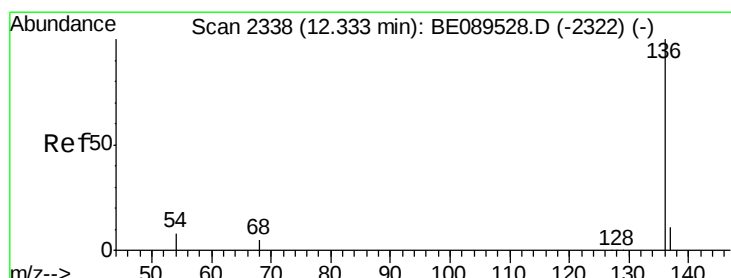
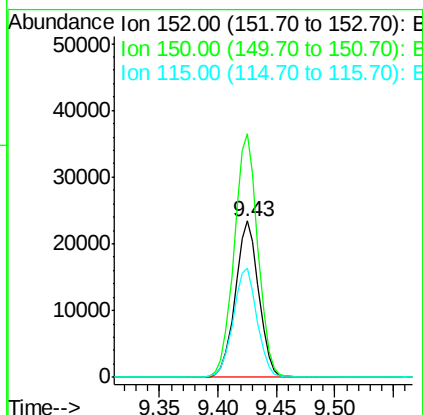
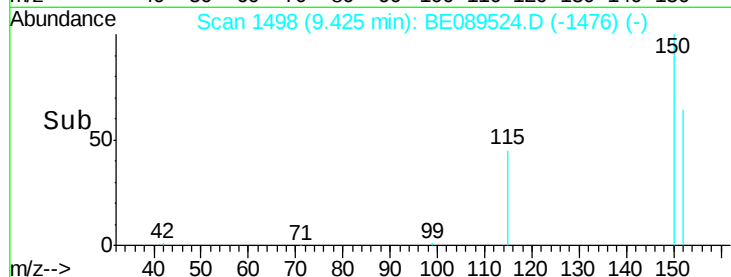
152 100

150 156.1 125.7 188.5

115 69.7 55.6 83.4

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

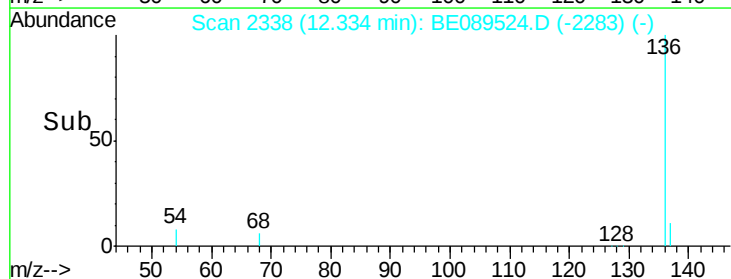
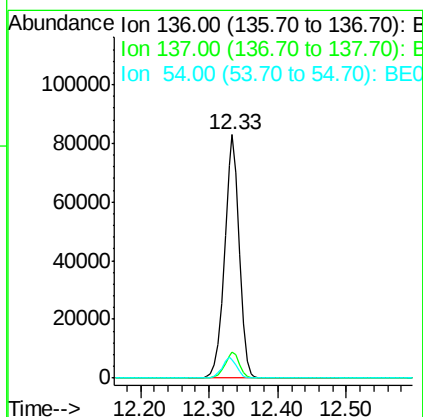
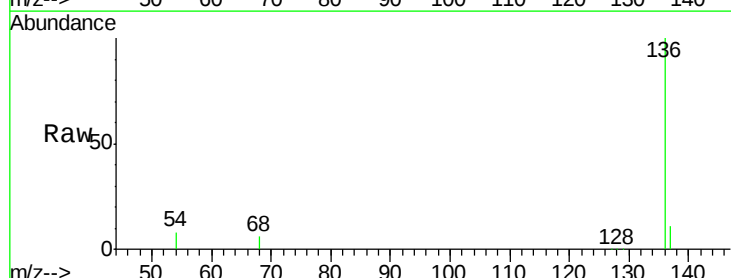
Tgt Ion:136 Resp: 122716

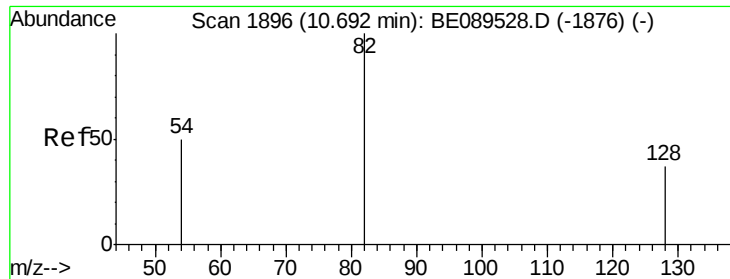
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.8 6.1 9.1





#3

Nitrobenzene-d5

Concen: 0.09 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

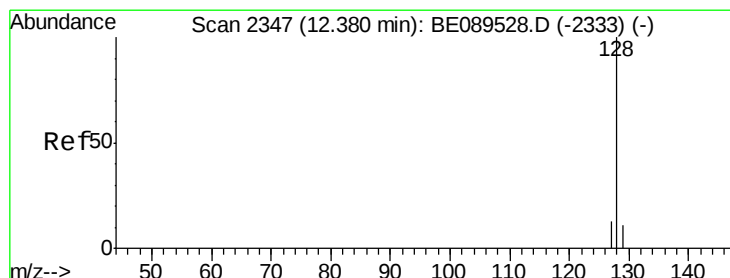
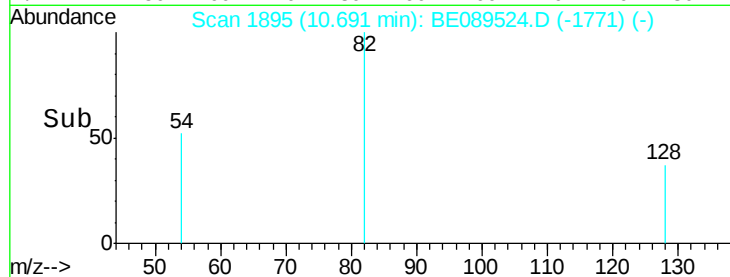
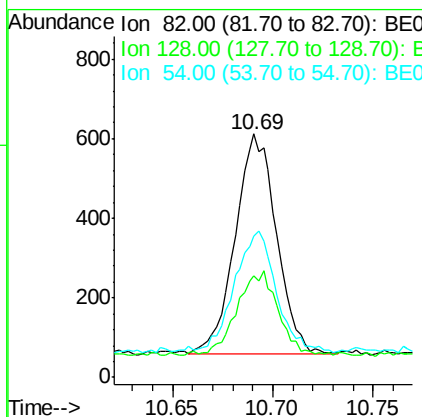
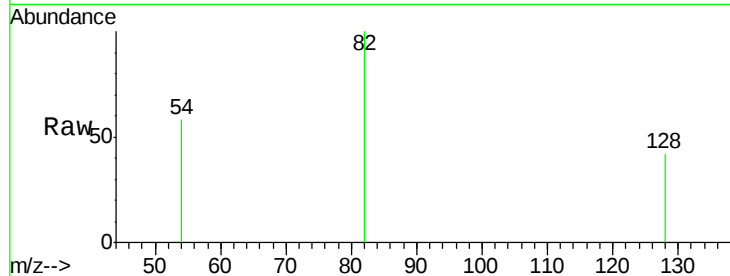
LabSampleId :

SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.8	30.2	45.4
54	58.2	40.6	60.8

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#4

Naphthalene

Concen: 0.09 ng

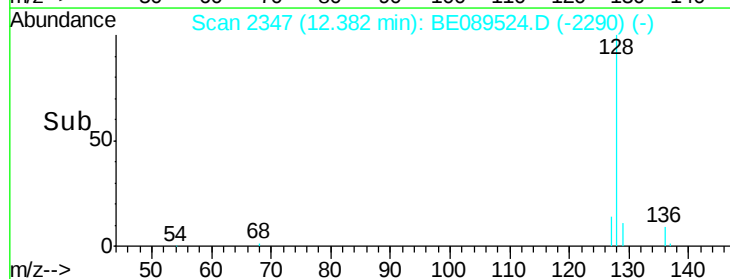
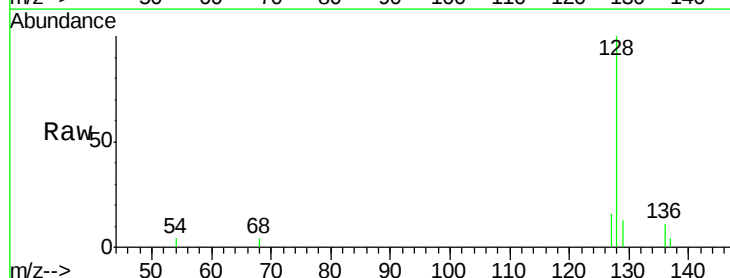
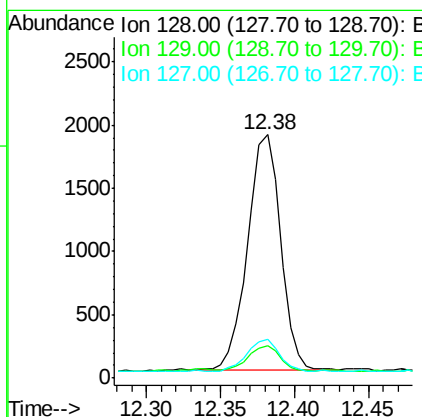
RT: 12.38 min Scan# 2347

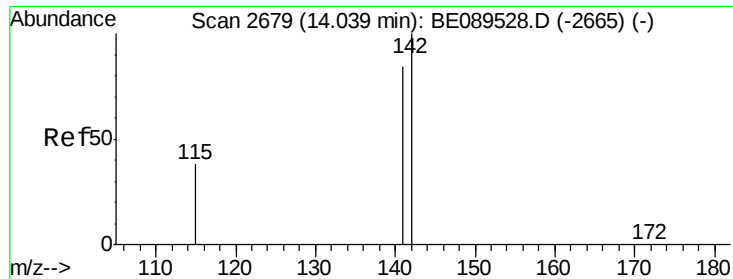
Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.1	13.7
127	15.8	10.5	15.7#





#5

2-Methylnaphthalene

Concen: 0.08 ng m

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

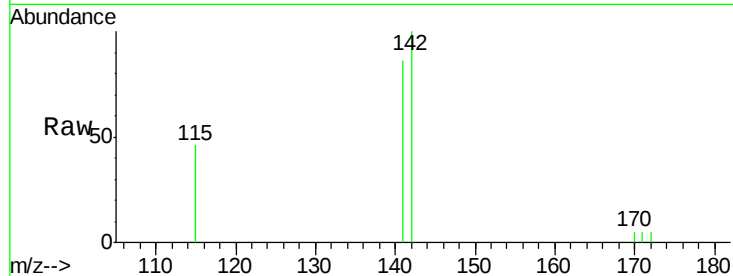
LabSampleId :

SSTDIC0.1

Tgt Ion:	142	Resp:	1571
Ion Ratio	Lower	Upper	
142	100		
141	85.7	67.0	100.6
115	46.3	30.6	45.8

Manual Integrations
APPROVED

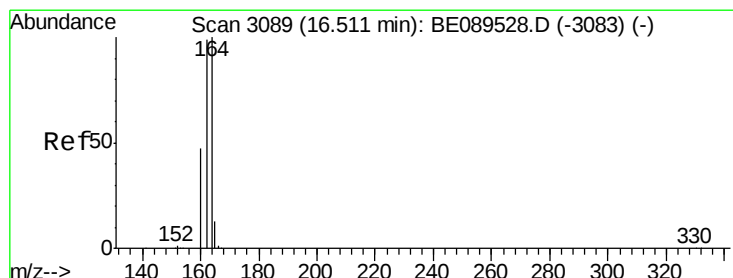
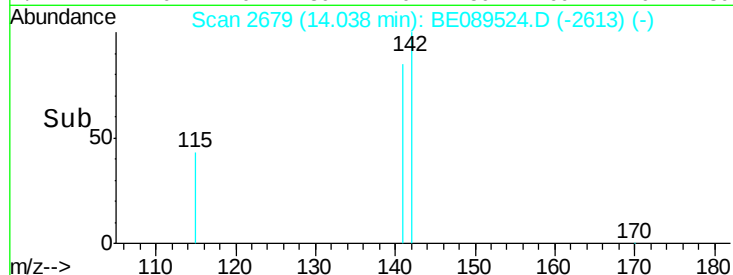
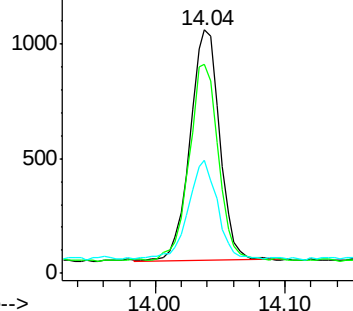
apatel
2/9/2015 11:54:45 AM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#6

Acenaphthene-d10

Concen: 5.00 ng

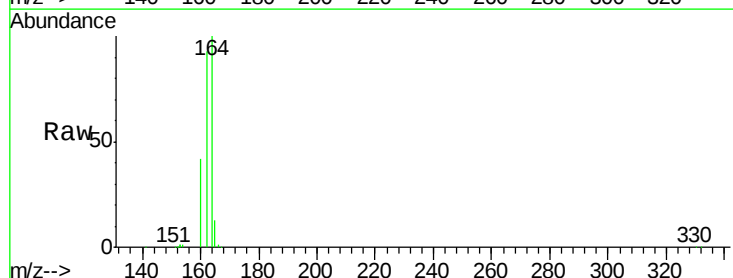
RT: 16.52 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

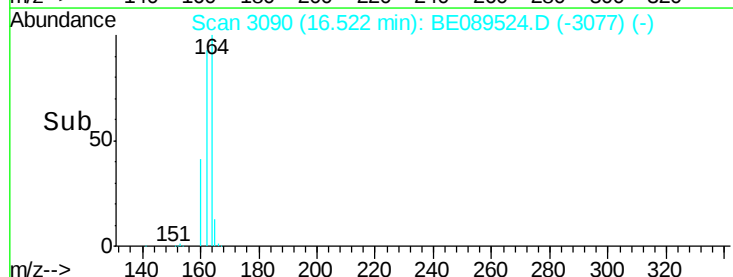
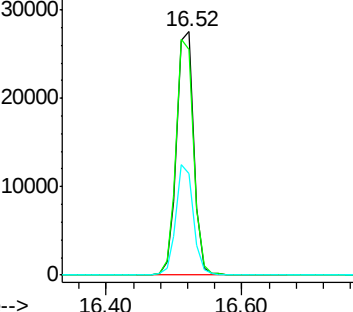
Tgt Ion:	164	Resp:	47715
Ion Ratio	Lower	Upper	
164	100		
162	92.8	79.5	119.3
160	41.5	37.6	56.4

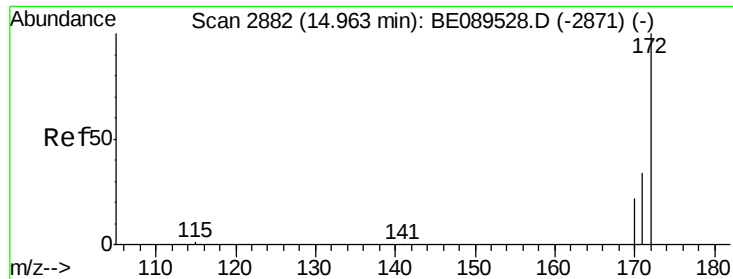


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.09 ng

RT: 14.97 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089524.D

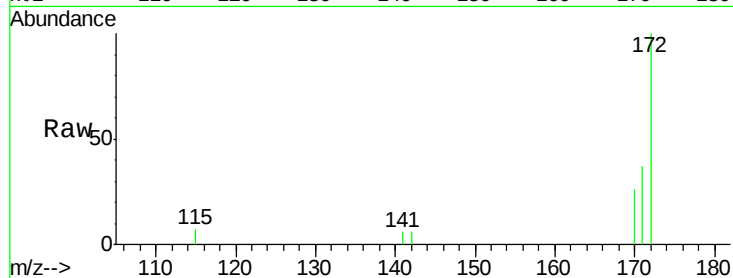
Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

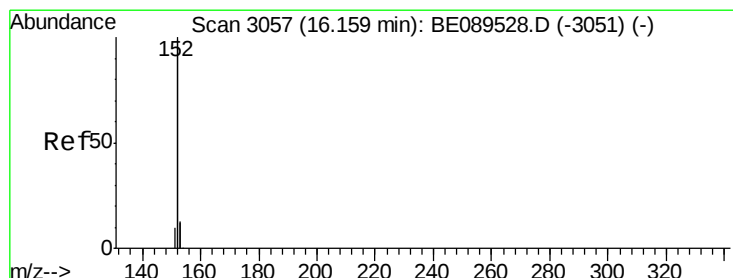
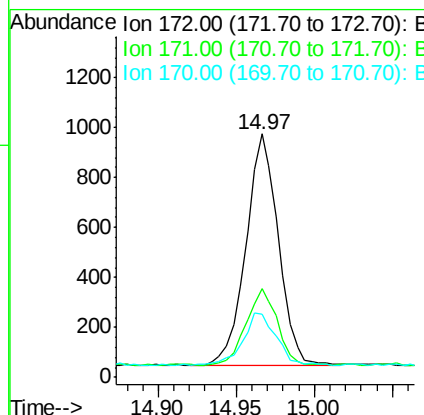
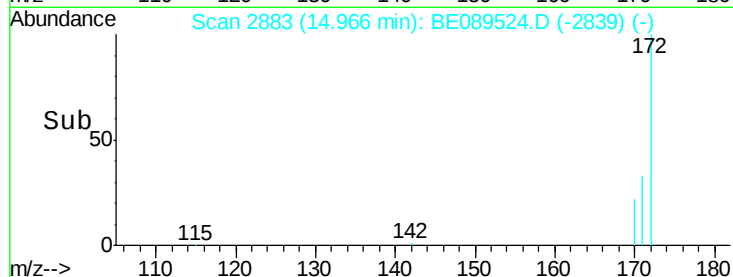
SSTDIC0.1



Tgt Ion:	172	Resp:	1342
Ion	Ratio	Lower	Upper
172	100		
171	36.7	27.7	41.5
170	25.9	18.3	27.5

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#8

Acenaphthylene

Concen: 0.07 ng

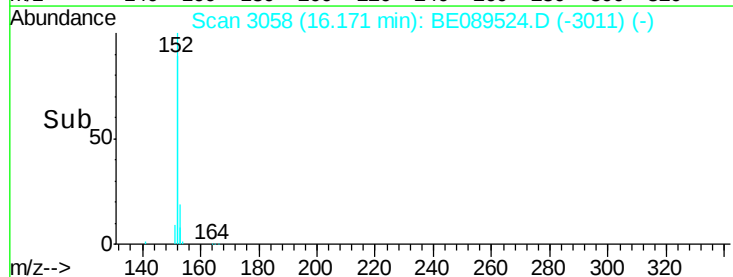
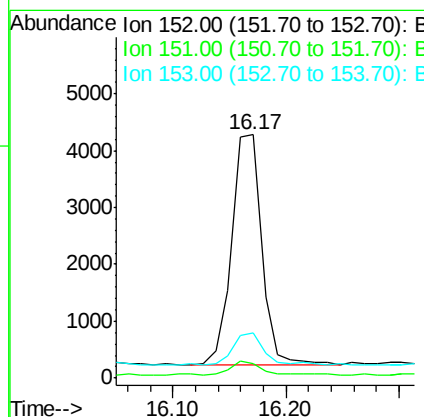
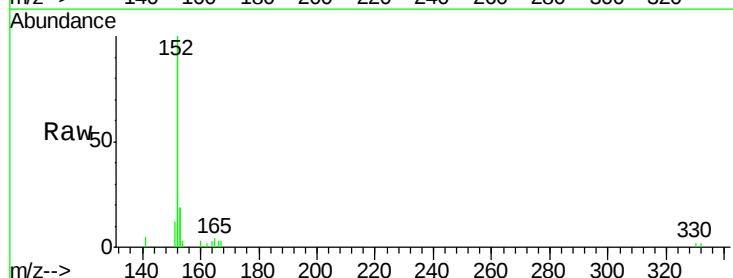
RT: 16.17 min Scan# 3058

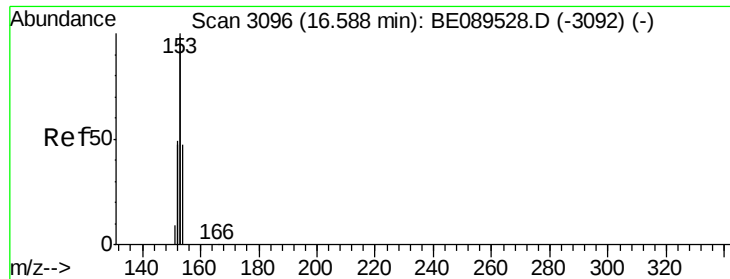
Delta R.T. 0.01 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Tgt Ion:	152	Resp:	7424
Ion	Ratio	Lower	Upper
152	100		
151	5.5	4.0	6.0
153	16.1	10.6	15.8#





#9

Acenaphthene

Concen: 0.09 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

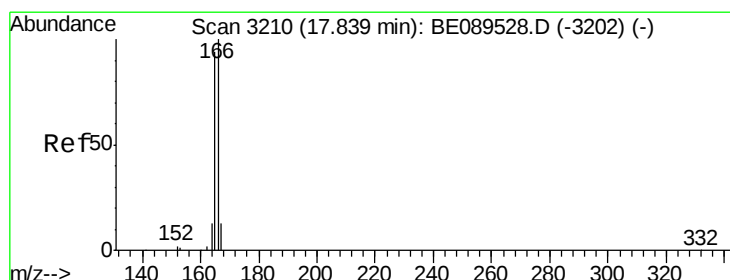
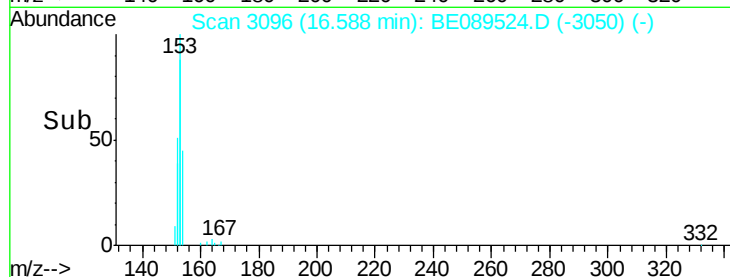
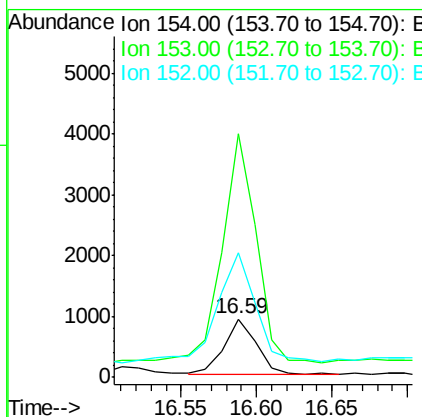
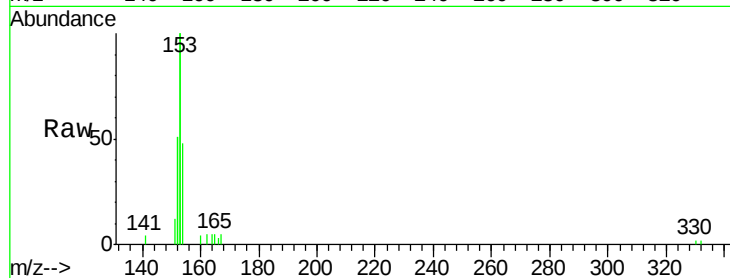
LabSampleId :

SSTDIC0.1

Tgt Ion:	154	Resp:	1318
Ion Ratio	Lower	Upper	
154	100		
153	464.0	340.8	511.2
152	242.6	165.5	248.3

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#10

Fluorene

Concen: 0.08 ng

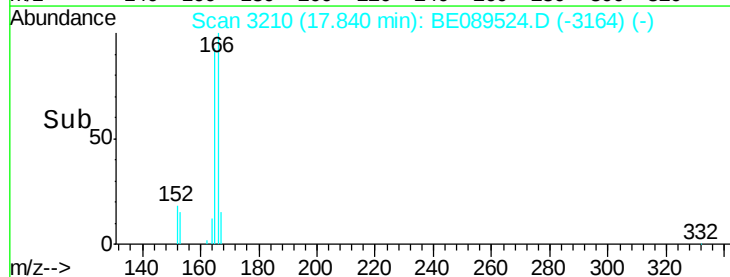
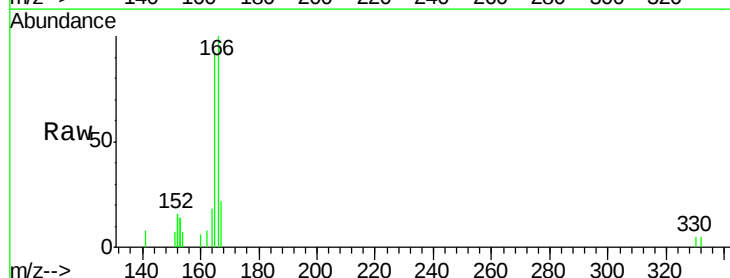
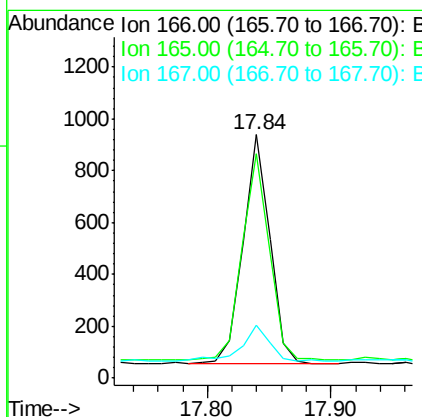
RT: 17.84 min Scan# 3210

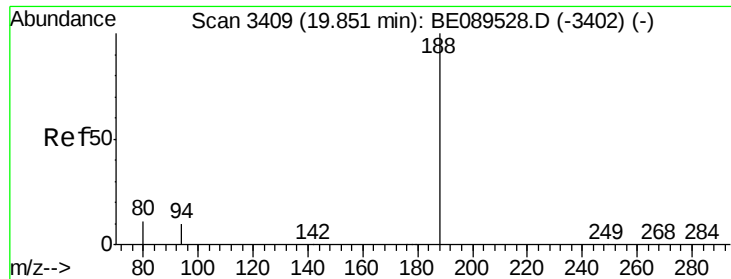
Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Tgt Ion:	166	Resp:	1351
Ion Ratio	Lower	Upper	
166	100		
165	91.1	75.5	113.3
167	17.5	10.9	16.3#





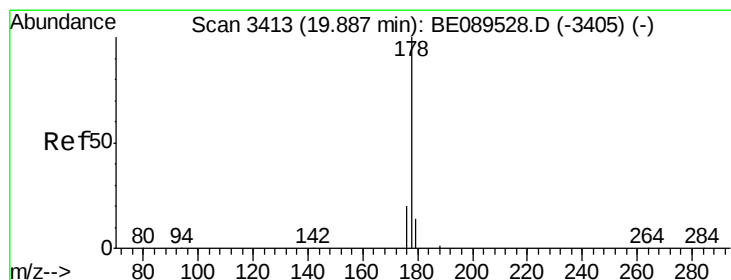
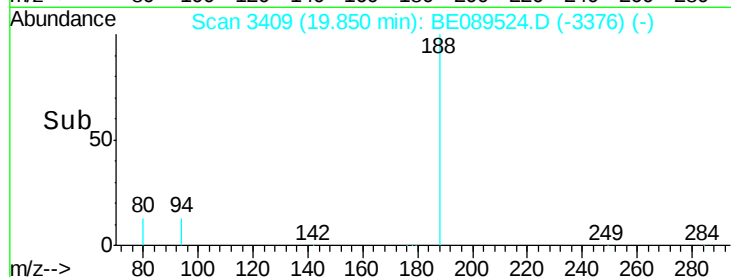
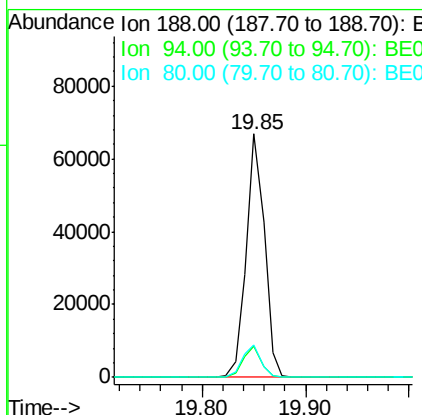
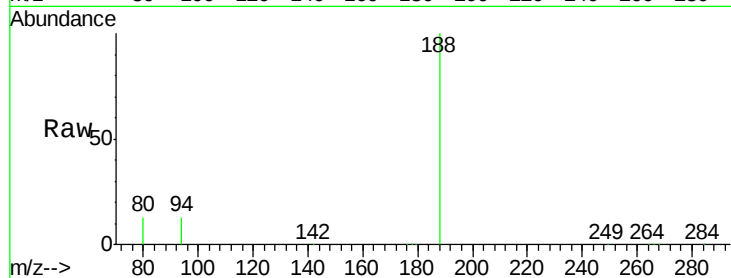
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.6	8.4	12.6
80	13.2	8.6	12.8

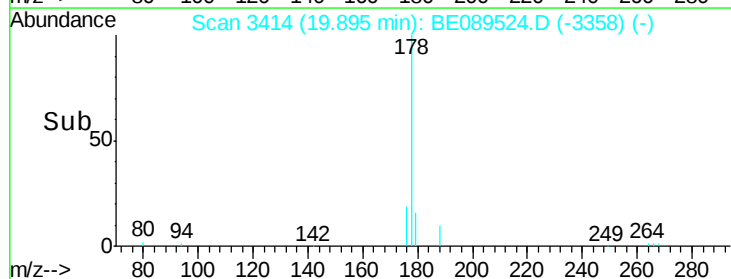
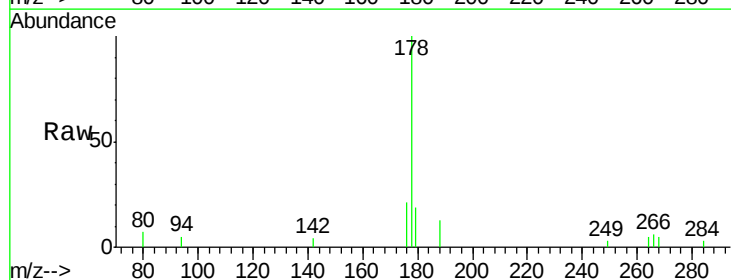
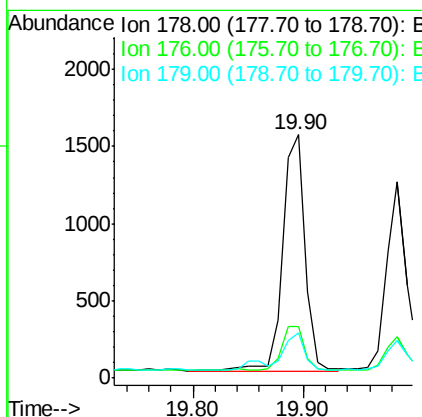
Manual Integrations
APPROVED

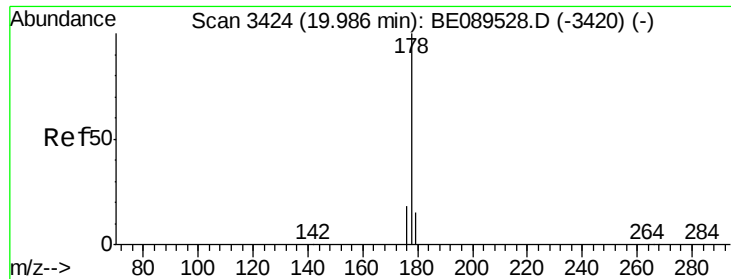
apatel
2/9/2015 11:54:45 AM



#13
Phenanthrene
Concen: 0.09 ng
RT: 19.90 min Scan# 3414
Delta R.T. 0.01 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	15.4	23.0
179	18.2	12.2	18.2





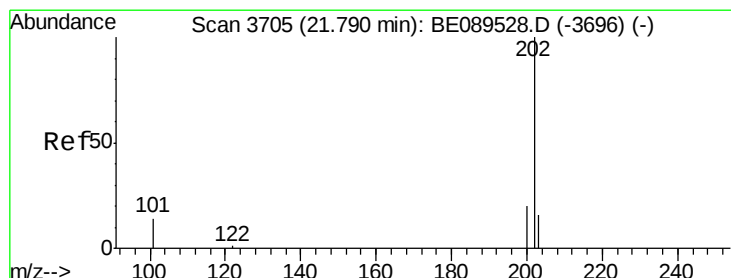
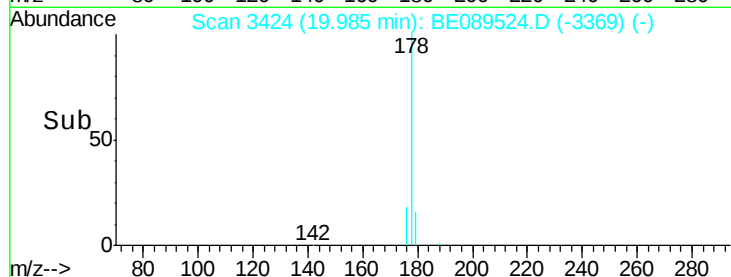
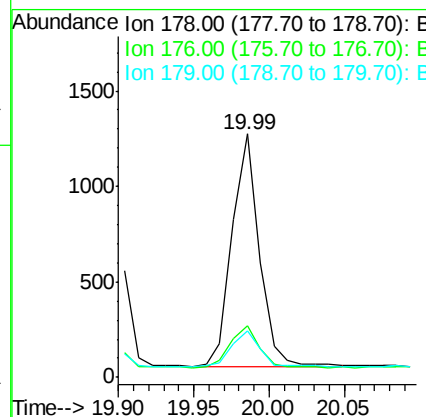
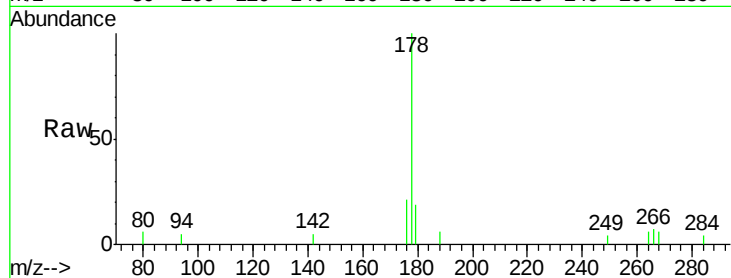
#14
 Anthracene
 Concen: 0.07 ng
 RT: 19.99 min Scan# 3424
 Delta R.T. -0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.5	21.7
179	16.3	12.2	18.2

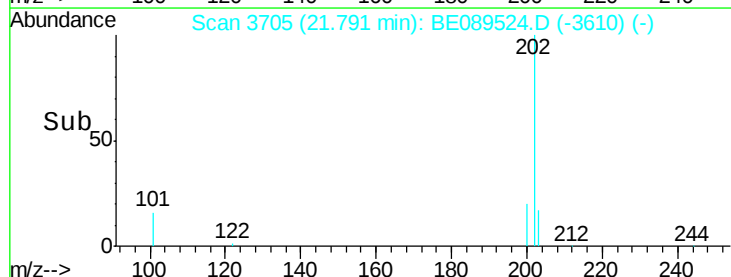
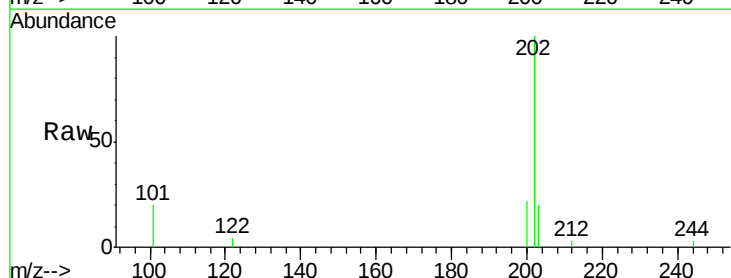
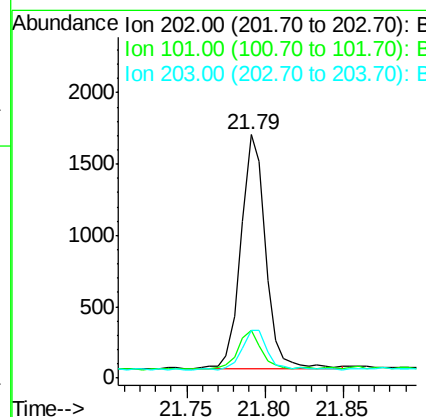
Manual Integrations
 APPROVED

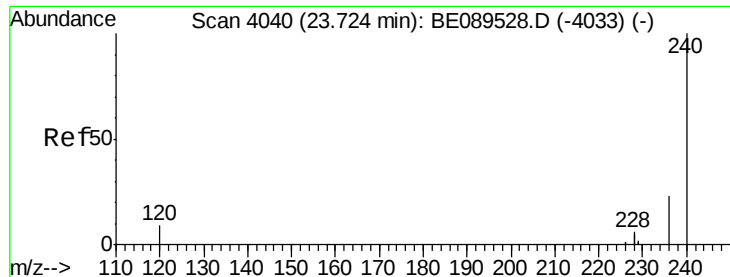
apatel
 2/9/2015 11:54:45 AM



#15
 Fluoranthene
 Concen: 0.08 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.0	11.6	17.4
203	18.9	13.6	20.4





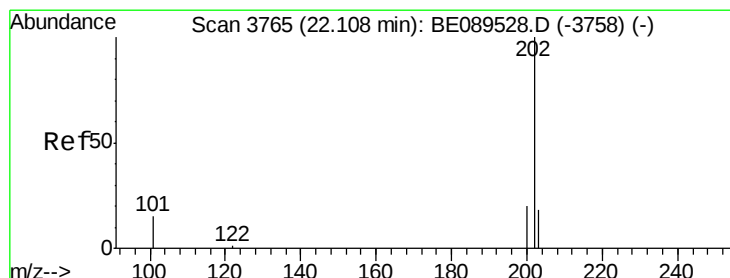
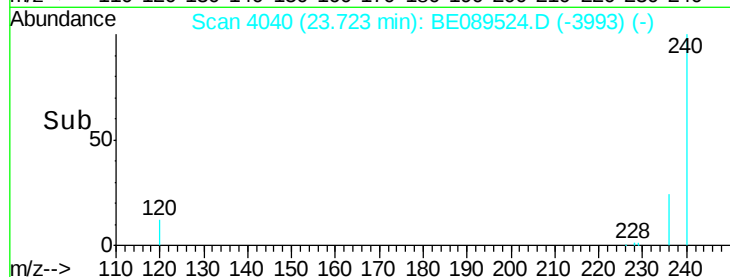
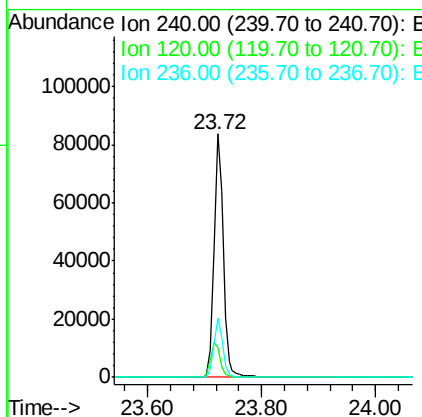
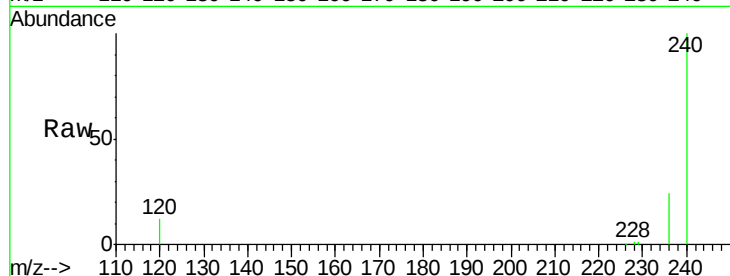
#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4040
Delta R.T. -0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	7.2	10.8#
236	24.3	18.5	27.7

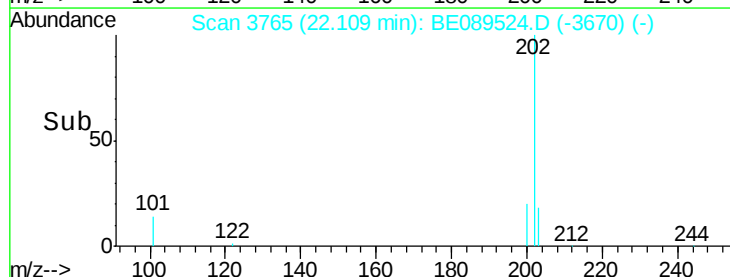
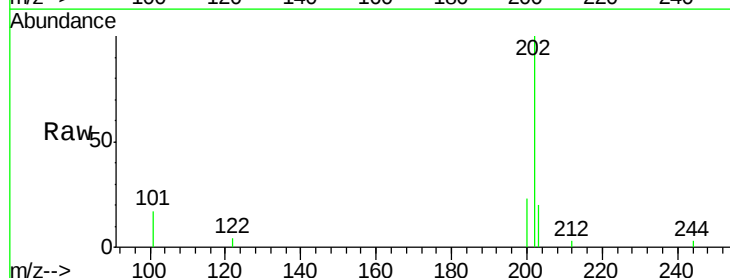
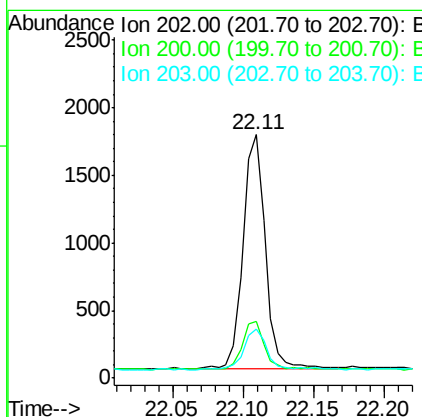
Manual Integrations
APPROVED

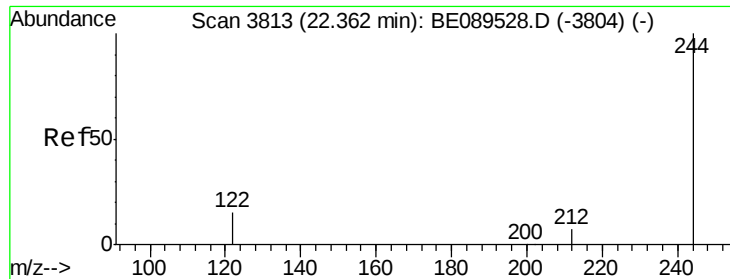
apatel
2/9/2015 11:54:45 AM



#17
Pyrene
Concen: 0.07 ng
RT: 22.11 min Scan# 3765
Delta R.T. 0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.3	24.5
203	19.3	13.5	20.3





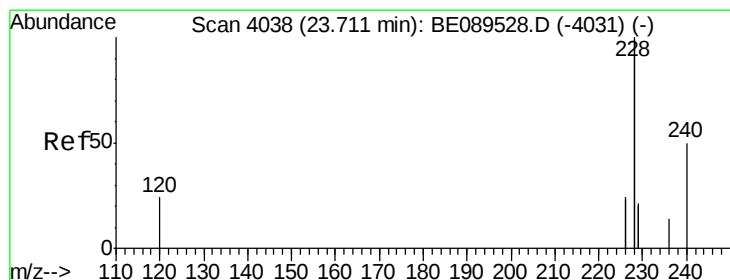
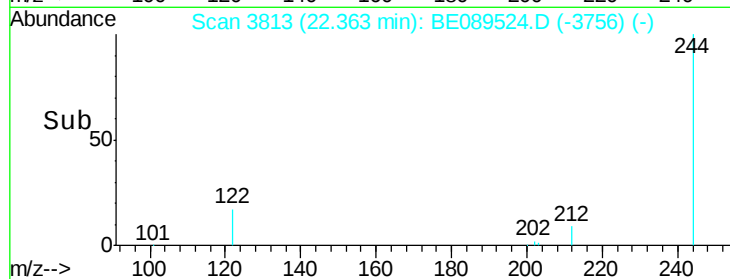
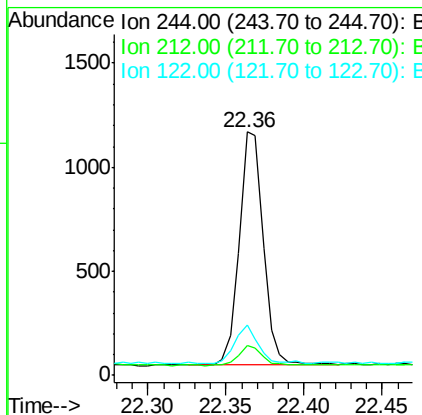
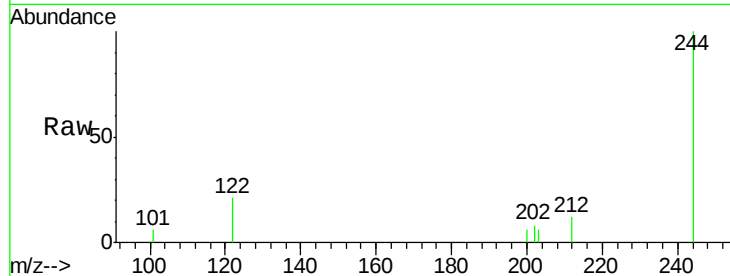
#18
 Terphenyl-d14
 Concen: 0.07 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.3	5.8	8.8#
122	20.9	12.6	19.0#

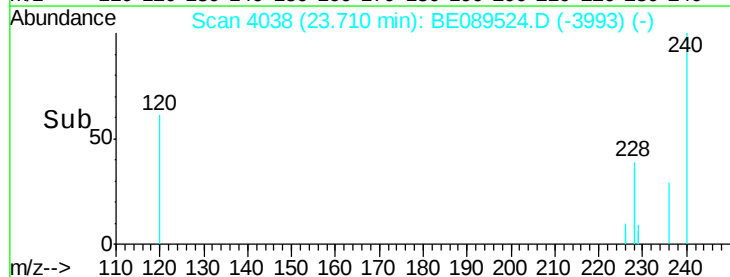
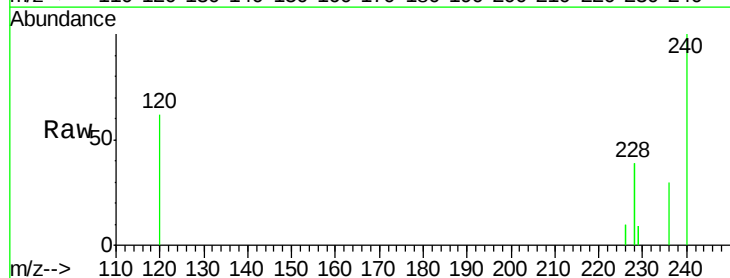
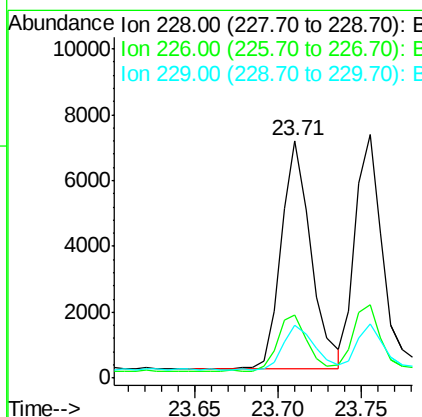
Manual Integrations
 APPROVED

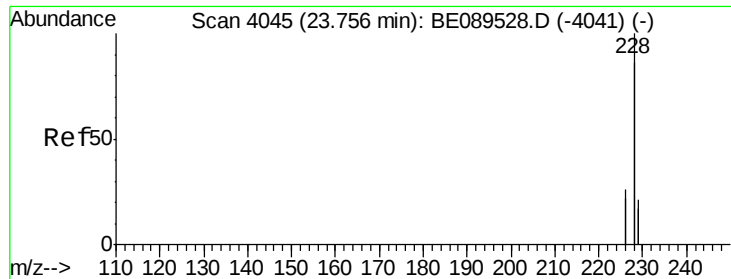
apatel
 2/9/2015 11:54:45 AM



#19
 Benzo(a)anthracene
 Concen: 0.09 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. -0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	19.0	28.4
229	22.4	16.8	25.2





#20

Chrysene

Concen: 0.08 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089524.D

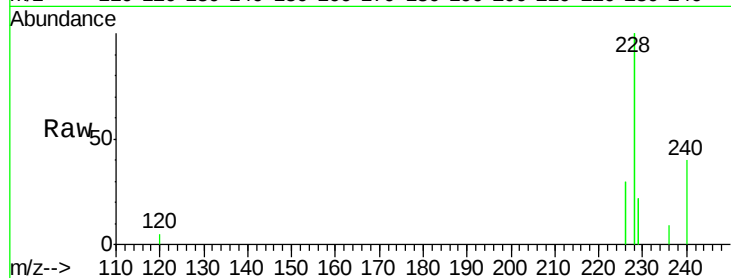
Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

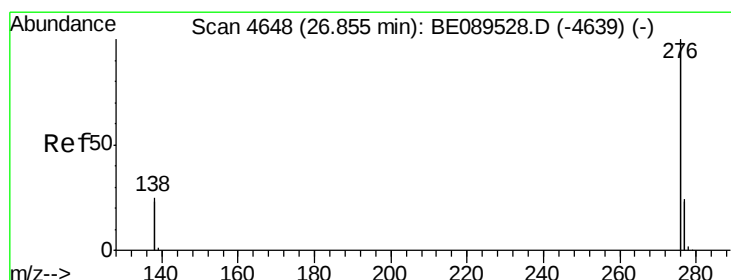
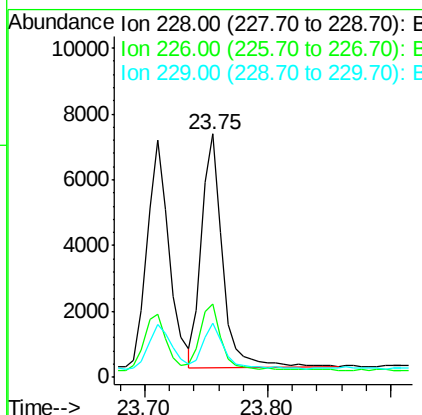
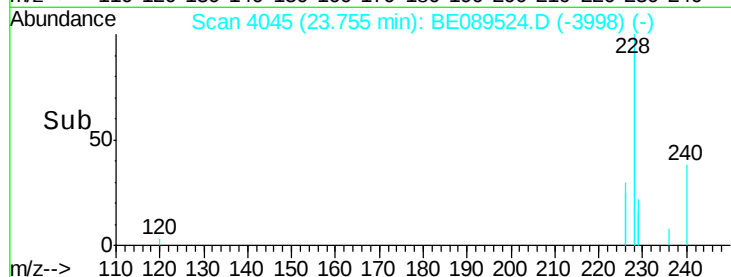
SSTDIC0.1



Tgt Ion:	228	Resp:	8328
Ion Ratio	Lower	Upper	
228	100		
226	30.2	21.0	31.4
229	22.0	16.7	25.1

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng

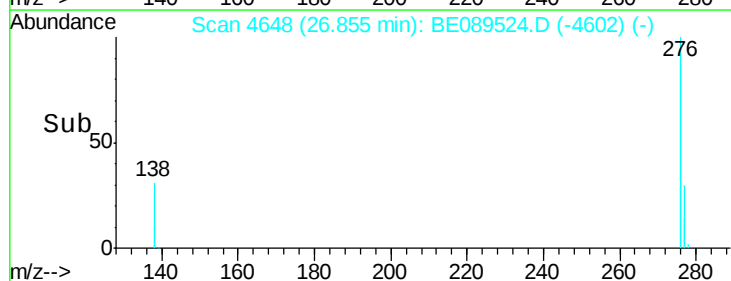
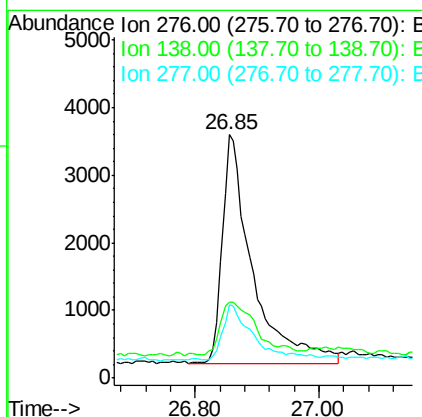
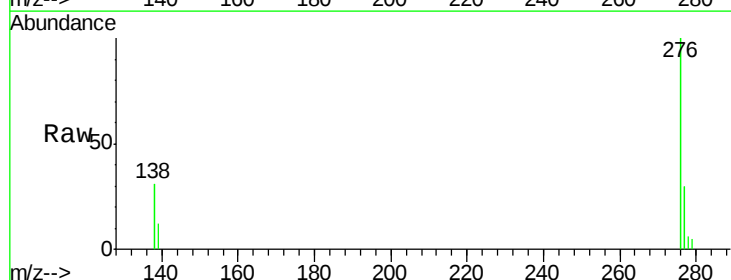
RT: 26.85 min Scan# 4648

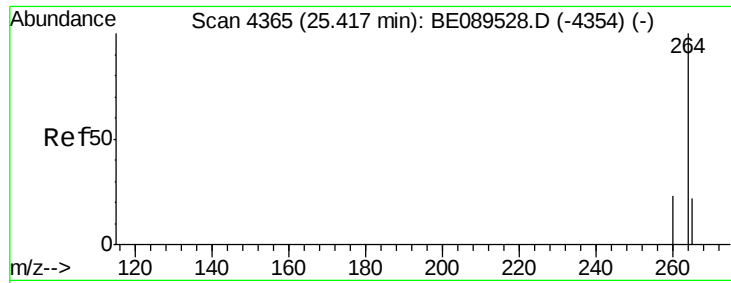
Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Tgt Ion:	276	Resp:	11467
Ion Ratio	Lower	Upper	
276	100		
138	25.6	23.0	34.4
277	24.1	19.9	29.9





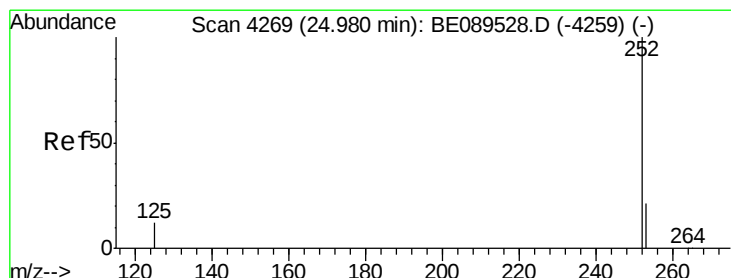
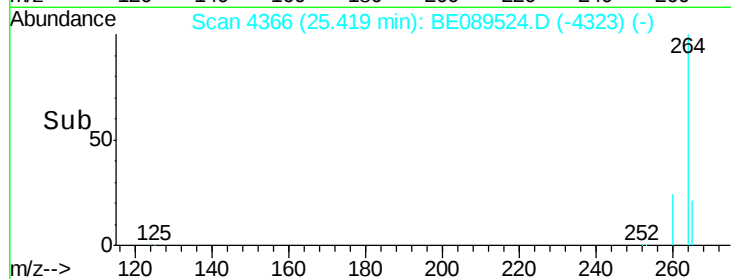
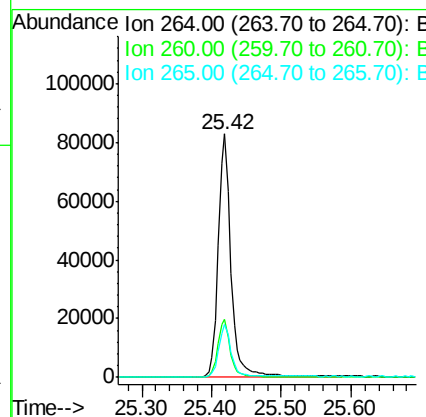
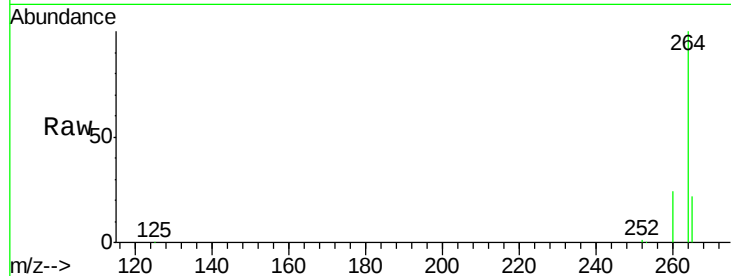
#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.42 min Scan# 4366
 Delta R.T. 0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.5	17.5	26.3

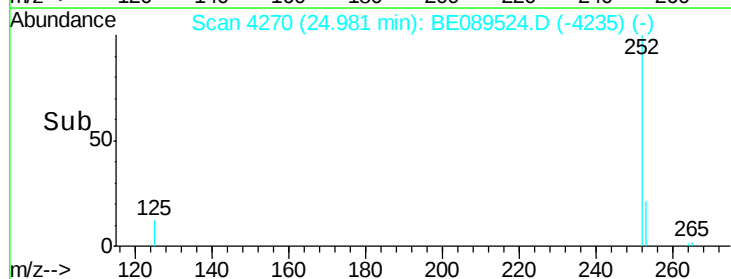
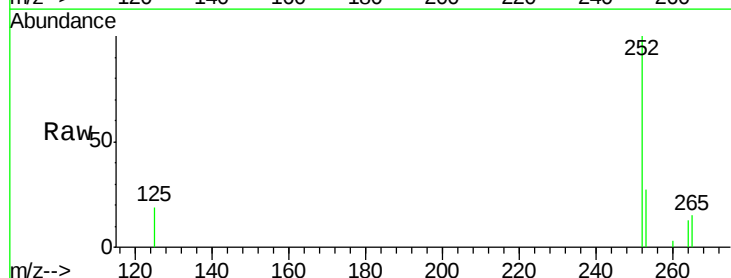
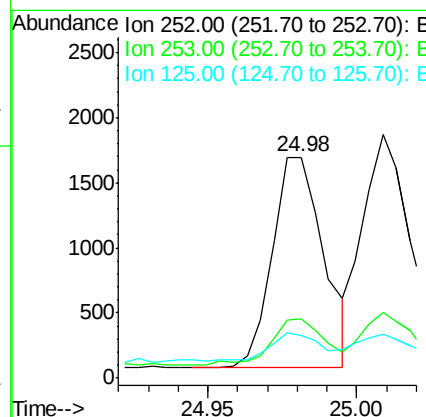
Manual Integrations
 APPROVED

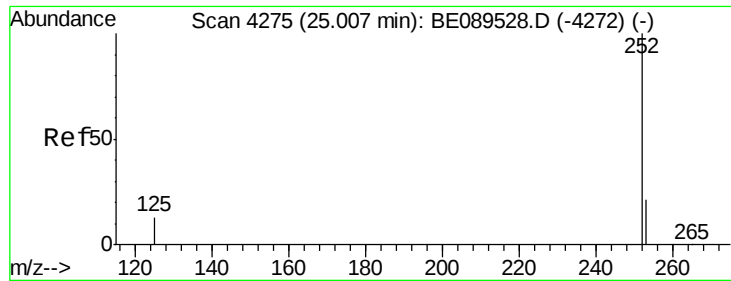
apatel
 2/9/2015 11:54:45 AM



#23
 Benzo(b)fluoranthene
 Concen: 0.08 ng
 RT: 24.98 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.4	26.0#
125	19.5	10.4	15.6#





#24

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089524.D

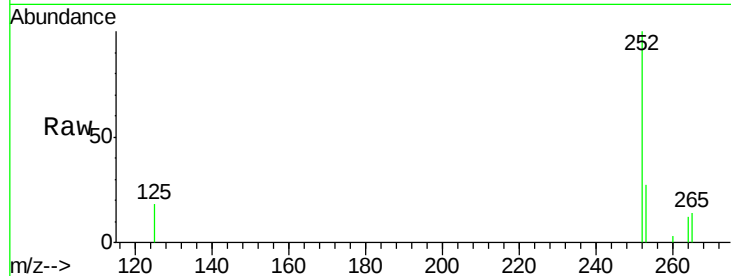
Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

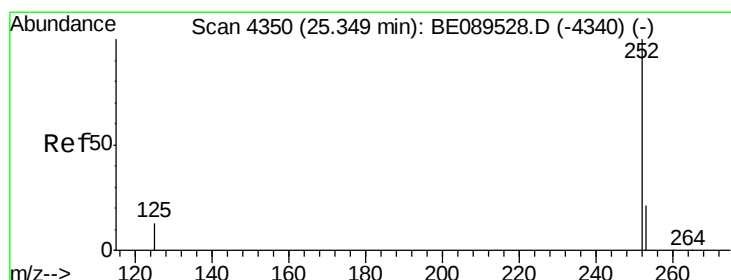
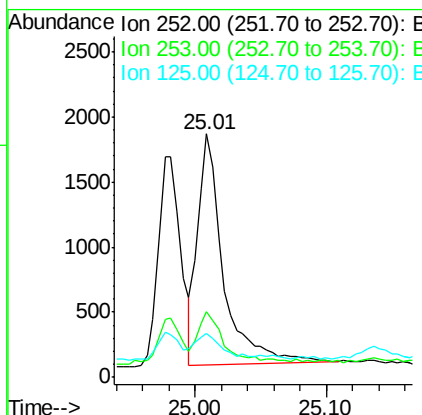
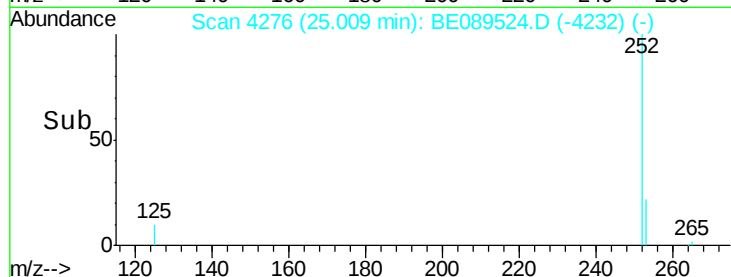
SSTDIC0.1



Tgt Ion:	252	Resp:	2401
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.2	25.8#
125	17.8	10.6	15.8#

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#25

Benzo(a)pyrene

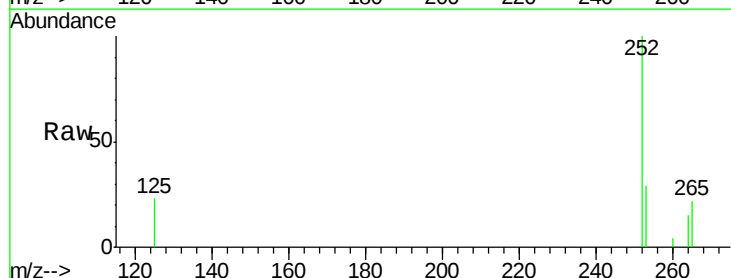
Concen: 0.08 ng

RT: 25.35 min Scan# 4351

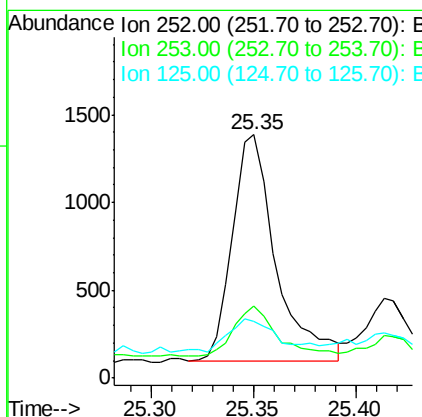
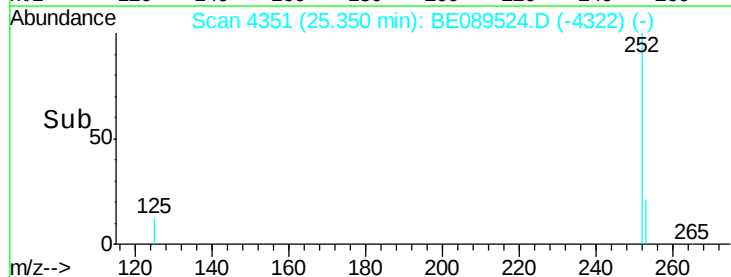
Delta R.T. 0.00 min

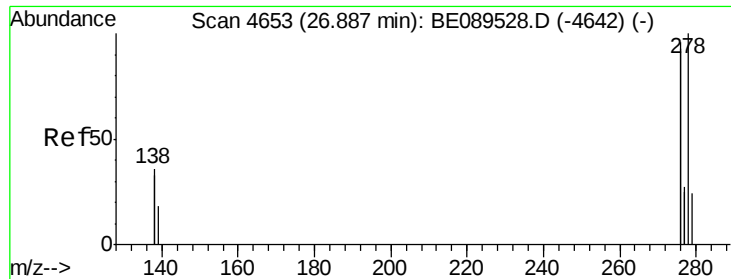
Lab File: BE089524.D

Acq: 6 Feb 2015 12:32



Tgt Ion:	252	Resp:	1893
Ion Ratio	Lower	Upper	
252	100		
253	29.3	17.8	26.6#
125	23.1	11.4	17.2#





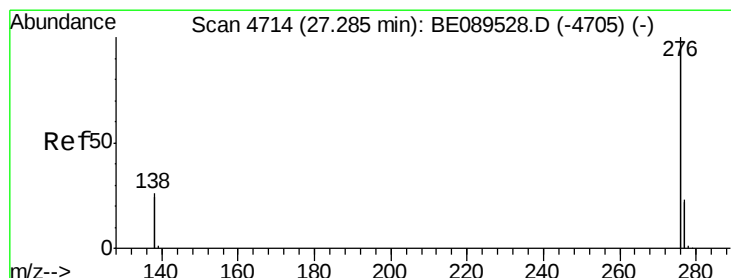
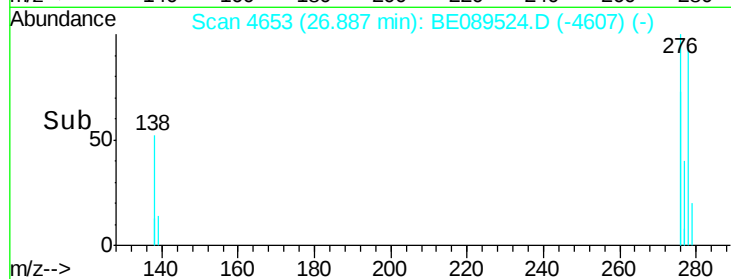
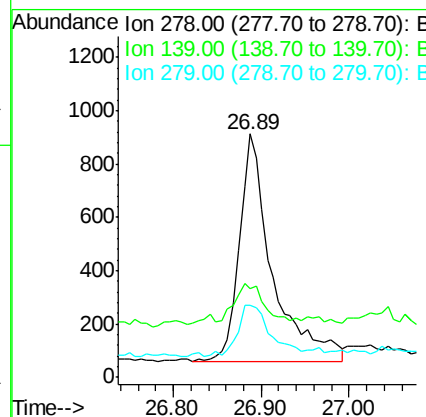
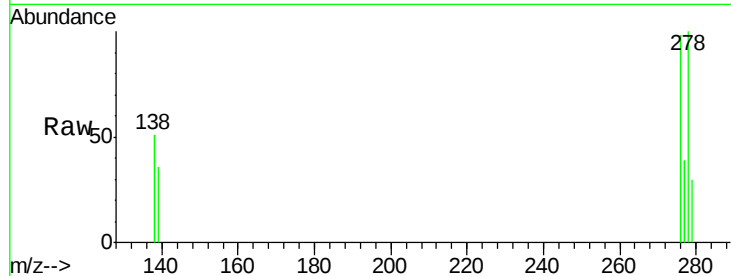
#26
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 26.89 min Scan# 4653
Delta R.T. 0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Instrument :
BNA_E
LabSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.3	15.7	23.5#
279	29.8	19.5	29.3#

Manual Integrations
APPROVED

apatel
2/9/2015 11:54:45 AM



#27
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.29 min Scan# 4714
Delta R.T. 0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	27.8
138	33.5	20.9	31.3#

