

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089425.D
 Acq On : 29 Jan 2015 23:01
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

apatel
 1/30/2015 5:56:01 PM

Quant Time: Jan 30 17:16:30 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 17:07:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	156924	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	595883	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	244350	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	491333	5.00	ng	0.00
20) Chrysene-d12	23.84	240	601211	5.00	ng	0.00
27) Perylene-d12	25.55	264	632987	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	53927	0.91	ng	0.00
4) Phenol-d6	8.85	99	65603	0.94	ng	0.00
8) Nitrobenzene-d5	10.84	82	46062	0.95	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	6759	1.00	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	64133	0.94	ng	0.00
22) Terphenyl-d14	22.48	244	76027	1.09	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	30442	0.92	ng	# 58
5) Phenol	8.88	94	72194	0.94	ng	86
6) bis(2-Chloroethyl)ether	9.06	93	53404	0.93	ng	# 99
9) Nitrobenzene	10.88	77	52983	0.96	ng	99
10) 2,4-Dimethylphenol	11.82	122	37292	0.95	ng	93
11) 2,4-Dichlorophenol	12.21	162	26571	0.97	ng	93
12) Hexachlorobutadiene	12.89	225	17131	0.93	ng	99
16) 2,4-Dinitrophenol	16.89	184	1813	1.26	ng	93
18) Hexachlorobenzene	19.23	284	23191	0.96	ng	96
19) Pentachlorophenol	19.65	266	3661	0.86	ng	97
21) Benzidine	22.14	184	58307	1.27	ng	99
23) Benzo(a)anthracene	23.83	228	479971	1.05	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	39679	1.03	ng	97
25) Chrysene	23.87	228	579205	0.93	ng	97
26) Indeno(1,2,3-cd)pyrene	27.07	276	121984	1.09	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	258496	3.39	ng	99
29) Benzo(k)fluoranthene	25.13	252	260667	1.27	ng	100
30) Benzo(a)pyrene	25.48	252	85235	1.09	ng	99
31) Dibenzo(a,h)anthracene	27.09	278	93960	1.04	ng	97

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

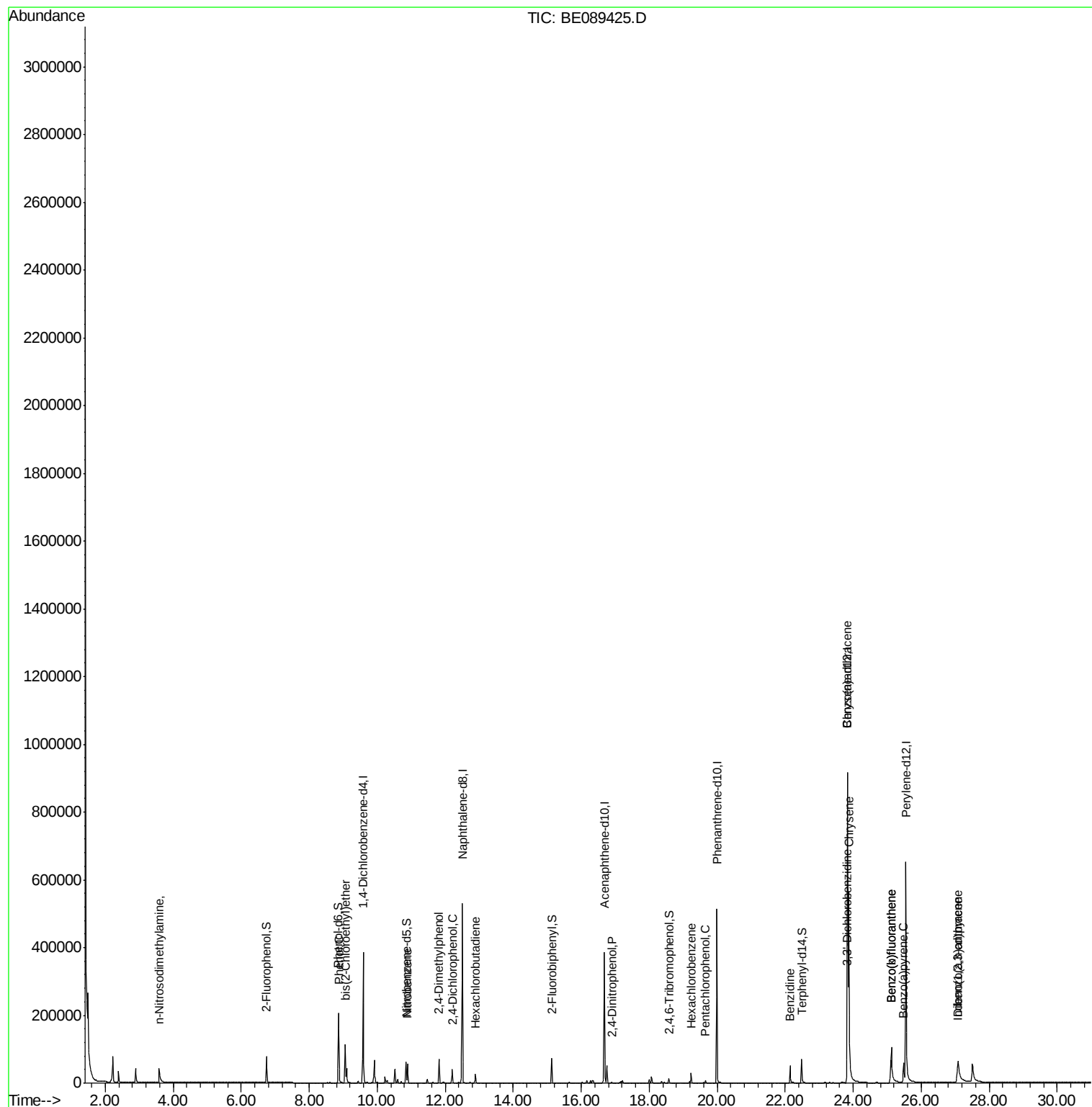
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
Data File : BE089425.D
Acq On : 29 Jan 2015 23:01
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

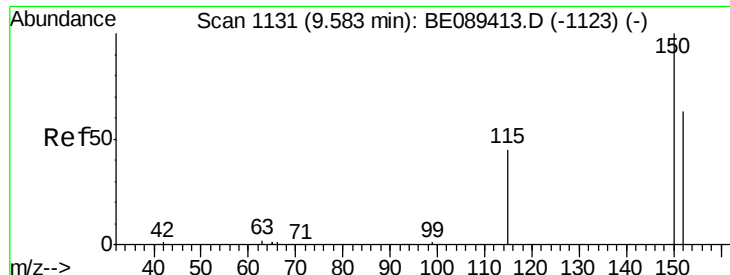
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM

Quant Time: Jan 30 17:16:30 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 30 17:07:09 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089425.D

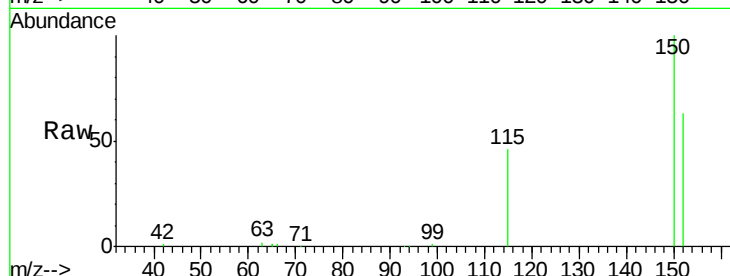
Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion:152 Resp: 156924

Ion Ratio Lower Upper

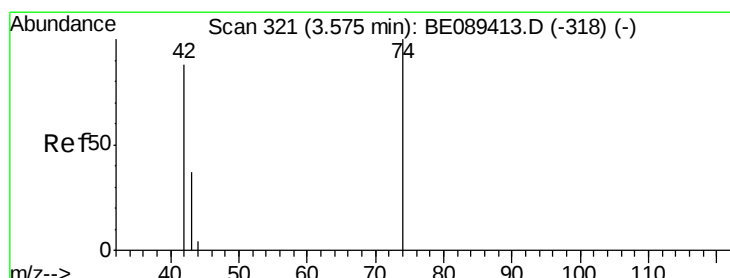
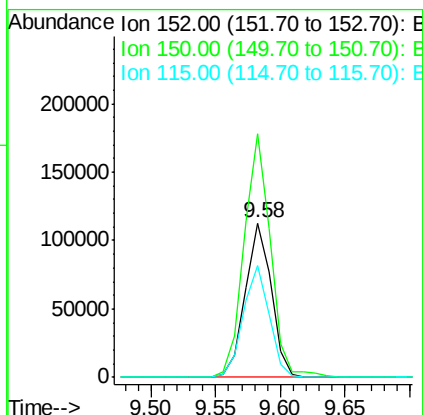
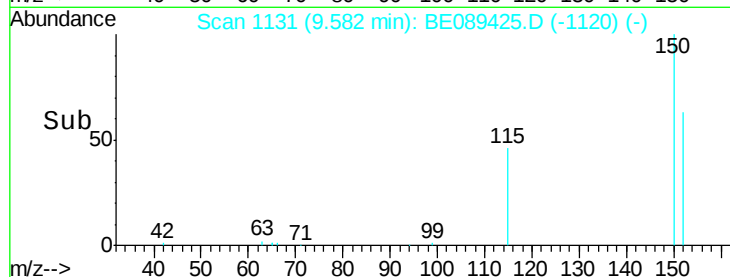
152 100

150 157.6 126.1 189.1

115 72.4 57.1 85.7

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#2

n-Nitrosodimethylamine

Concen: 0.92 ng

RT: 3.58 min Scan# 321

Delta R.T. 0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

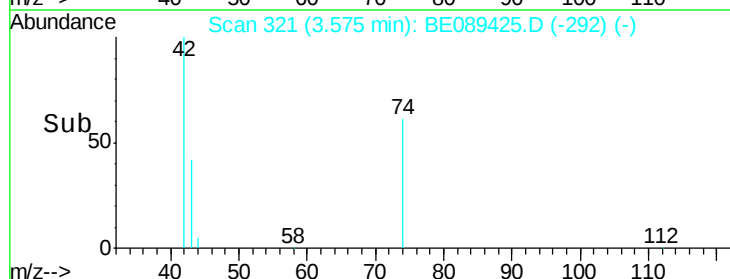
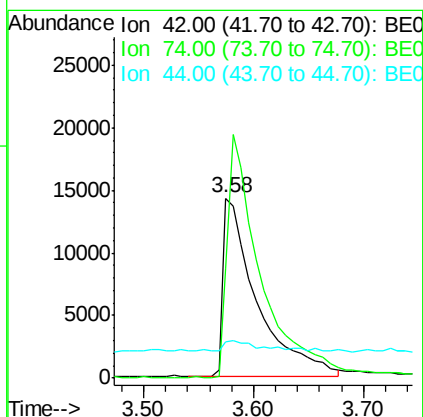
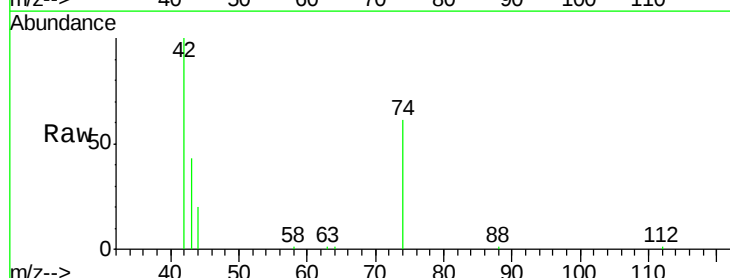
Tgt Ion: 42 Resp: 30442

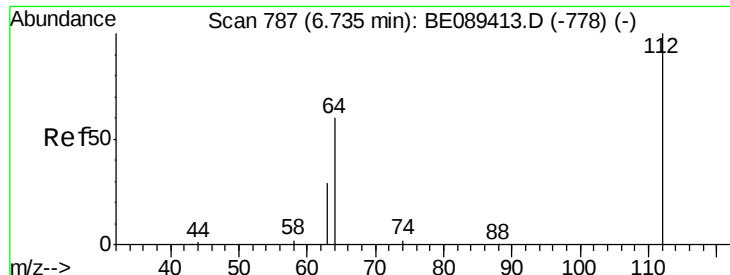
Ion Ratio Lower Upper

42 100

74 60.5 90.2 135.2#

44 20.2 19.4 29.2





#3

2-Fluorophenol

Concen: 0.91 ng

RT: 6.74 min Scan# 788

Delta R.T. 0.01 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

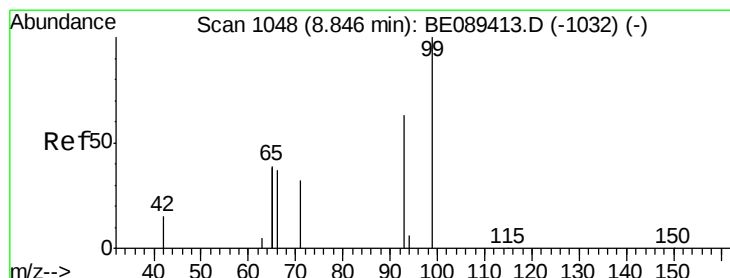
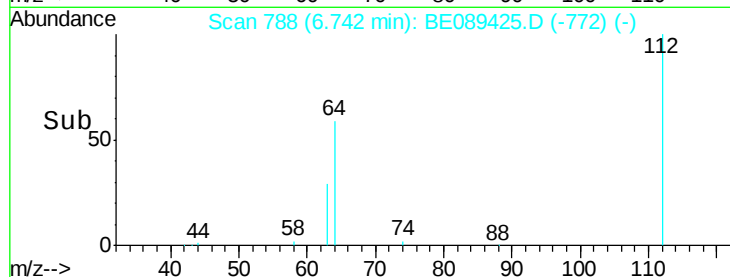
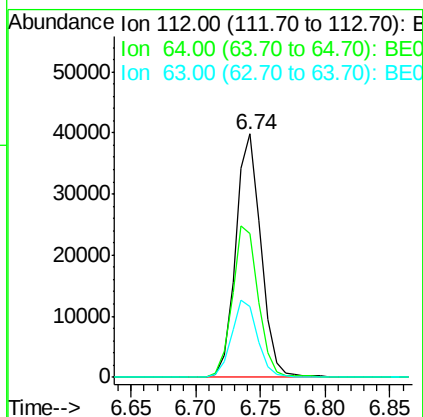
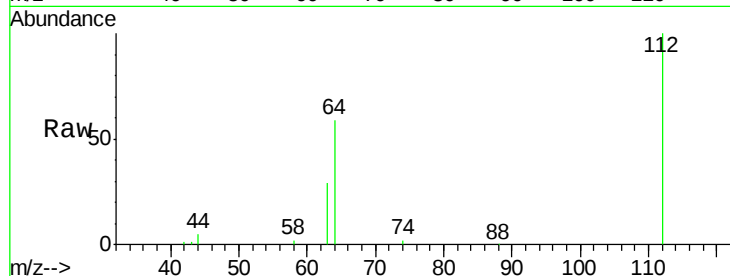
LabSampleId :

SSTDCCC001

Tgt Ion:	112	Resp:	53927
Ion Ratio	Lower	Upper	
112	100		
64	59.2	48.2	72.4
63	28.9	23.5	35.3

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#4

Phenol-d6

Concen: 0.94 ng

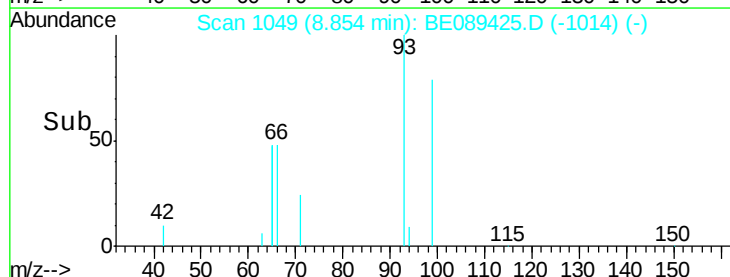
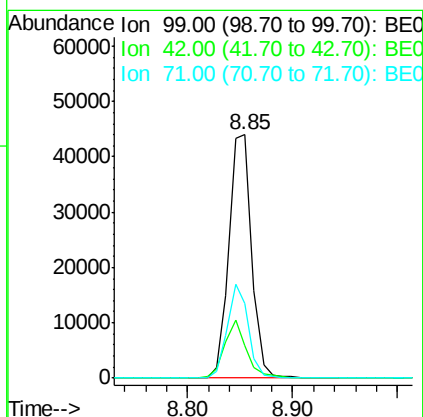
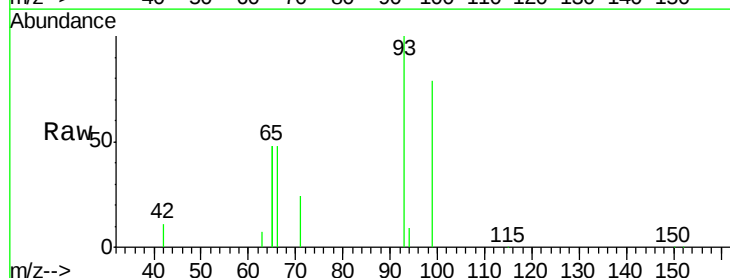
RT: 8.85 min Scan# 1049

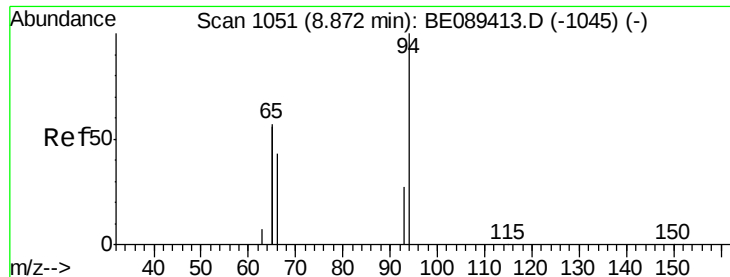
Delta R.T. 0.01 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt Ion:	99	Resp:	65603
Ion Ratio	Lower	Upper	
99	100		
42	13.5	11.9	17.9
71	30.7	25.8	38.6





#5

Phenol

Concen: 0.94 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

LabSampleId :

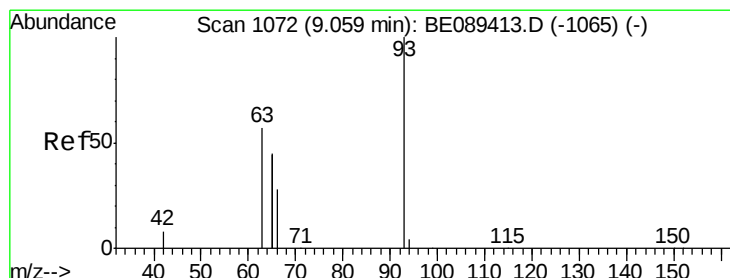
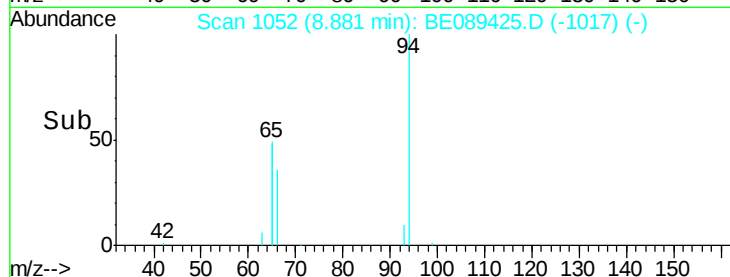
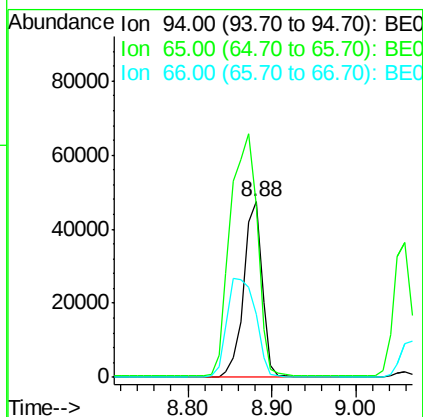
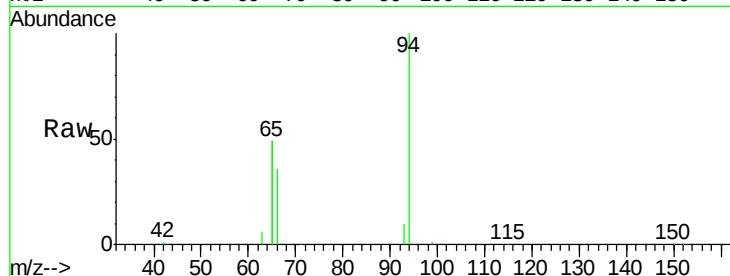
SSTDCCC001

Manual Integrations
APPROVED

apatel

1/30/2015 5:56:01 PM

Tgt Ion:	94	Resp:	72194
Ion	Ratio	Lower	Upper
94	100		
65	97.9	93.3	133.3
66	35.9	23.6	63.6



#6

bis(2-Chloroethyl)ether

Concen: 0.93 ng

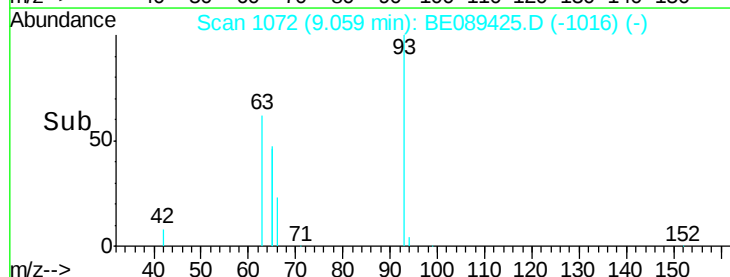
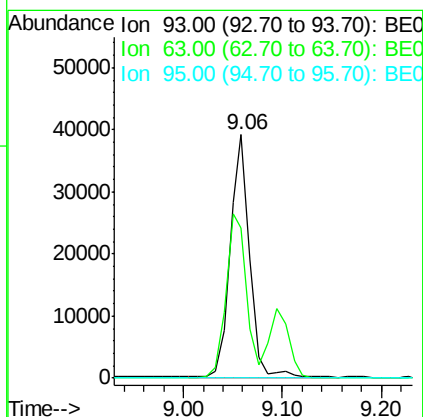
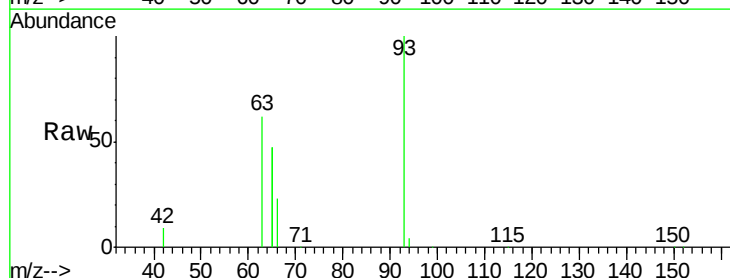
RT: 9.06 min Scan# 1072

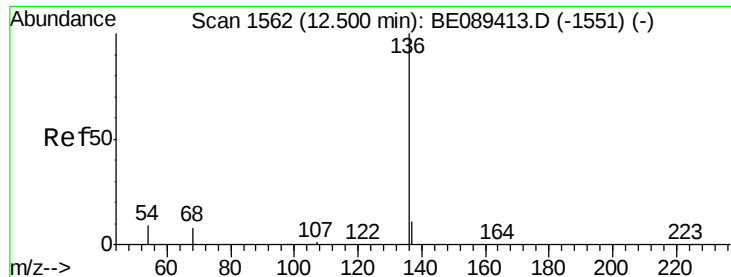
Delta R.T. -0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt Ion:	93	Resp:	53404
Ion	Ratio	Lower	Upper
93	100		
63	72.5	58.6	88.0
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

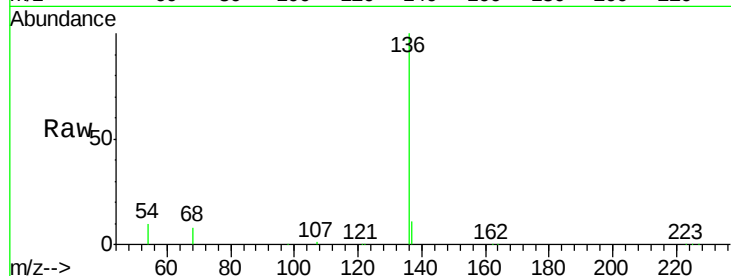
LabSampleId :

SSTDCCC001

Tgt Ion:	136	Resp:	595883
Ion Ratio		Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.9	7.5	11.3

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM

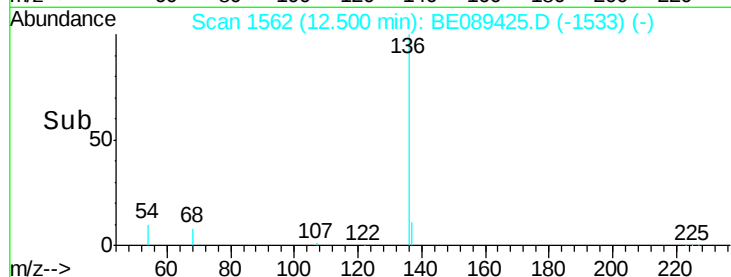


Abundance Ion 136.00 (135.70 to 136.70): E

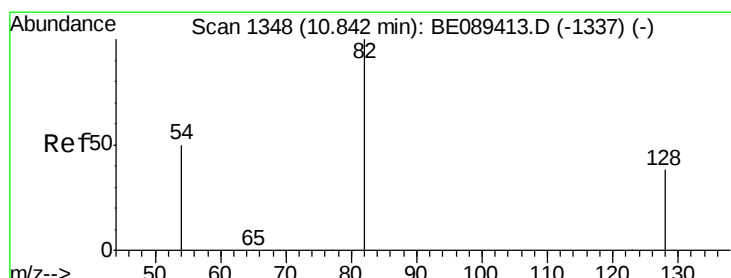
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.95 ng

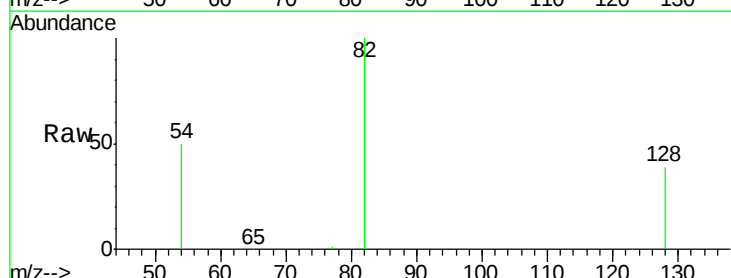
RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt Ion:	82	Resp:	46062
Ion Ratio		Lower	Upper
82	100		
128	38.8	31.0	46.4
54	49.9	39.8	59.6

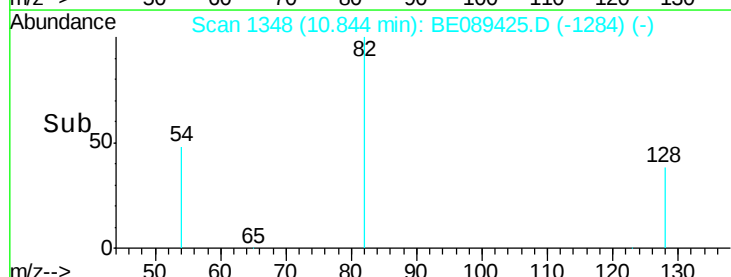


Abundance Ion 82.00 (81.70 to 82.70): BE0

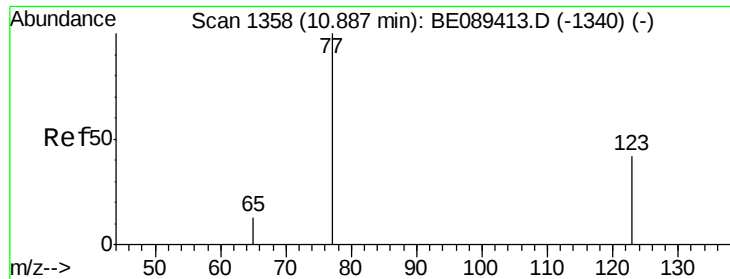
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Nitrobenzene

Concen: 0.96 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BE089425.D

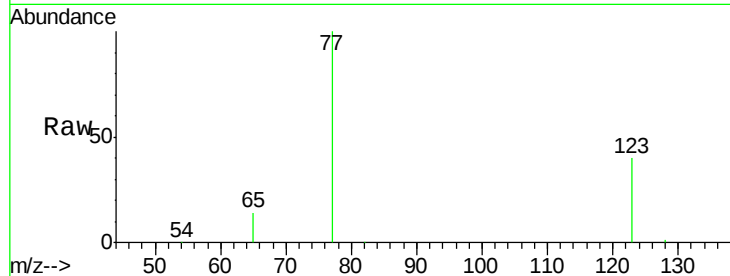
Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

LabSampleId :

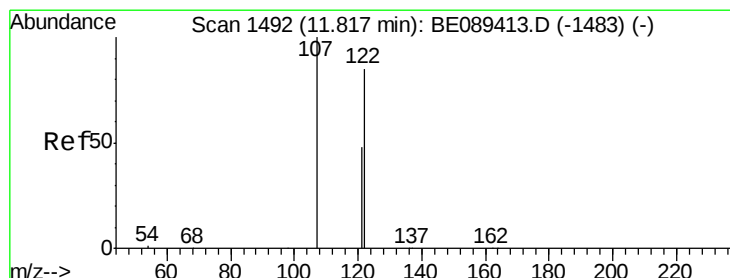
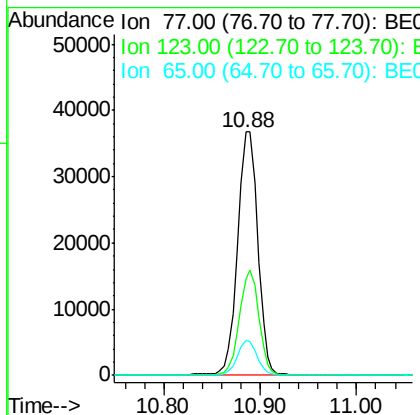
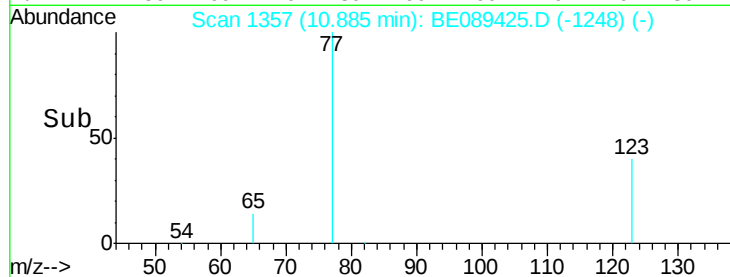
SSTDCCC001



Tgt Ion:	77	Resp:	52983
Ion	Ratio	Lower	Upper
77	100		
123	41.5	32.8	49.2
65	13.7	11.0	16.6

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#10

2,4-Dimethylphenol

Concen: 0.95 ng

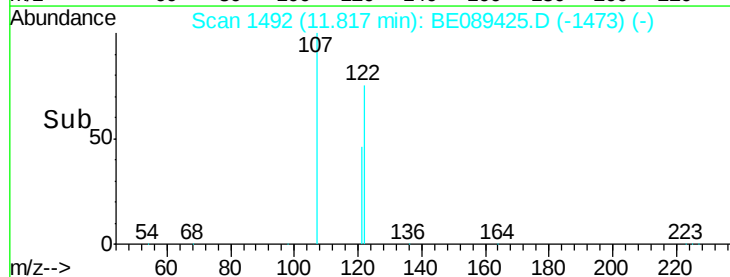
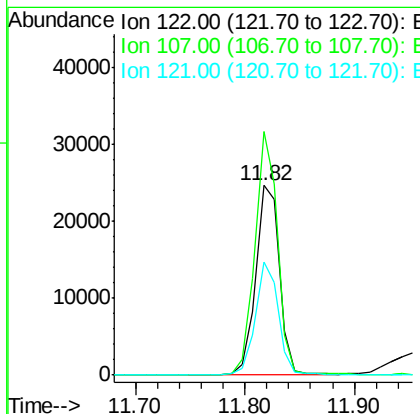
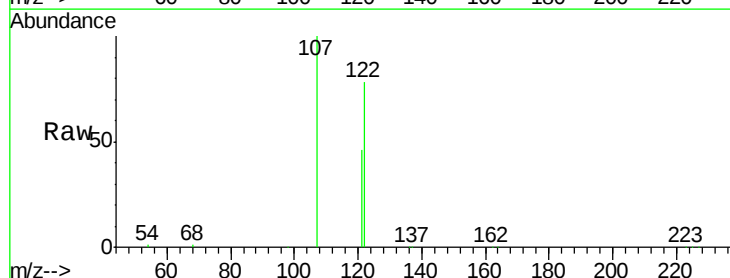
RT: 11.82 min Scan# 1492

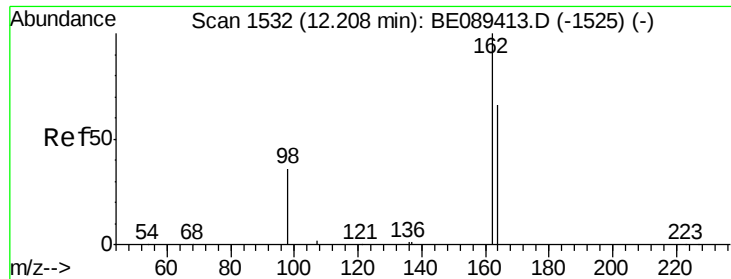
Delta R.T. -0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt Ion:	122	Resp:	37292
Ion	Ratio	Lower	Upper
122	100		
107	128.4	94.6	142.0
121	59.4	45.8	68.6





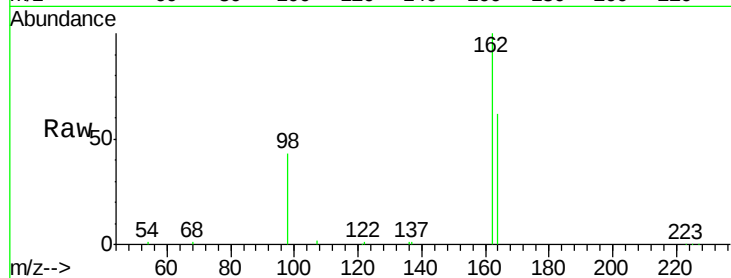
#11
2,4-Dichlorophenol
Concen: 0.97 ng
RT: 12.21 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.4	46.1	86.1
98	43.4	16.2	56.2

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM

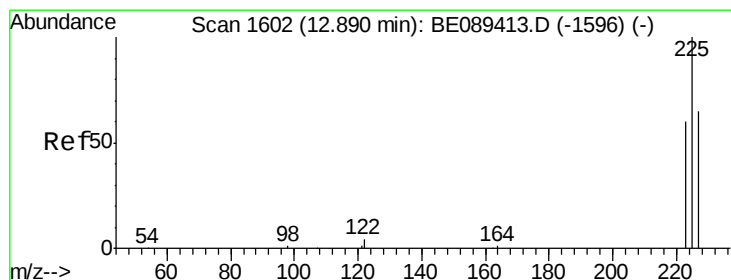
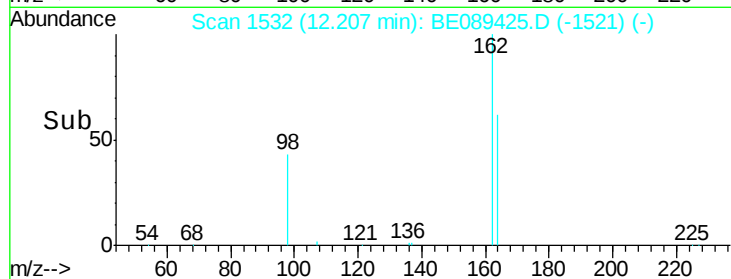
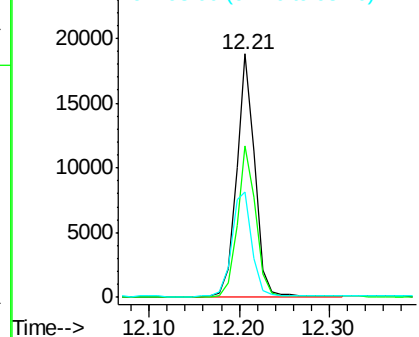


Abundance

Ion 162.00 (161.70 to 162.70): E

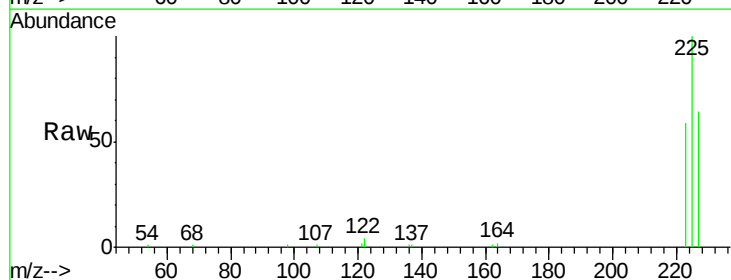
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#12
Hexachlorobutadiene
Concen: 0.93 ng
RT: 12.89 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	62.5	50.2	75.2

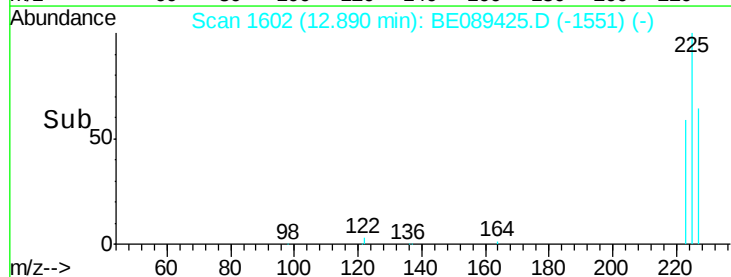
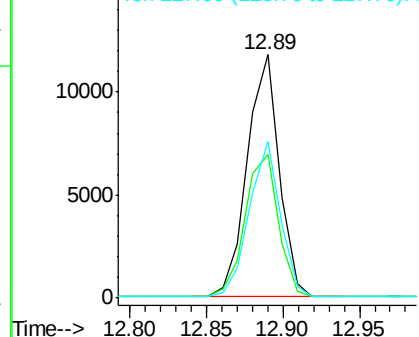


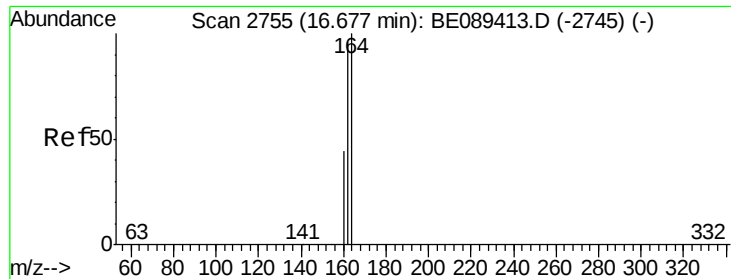
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

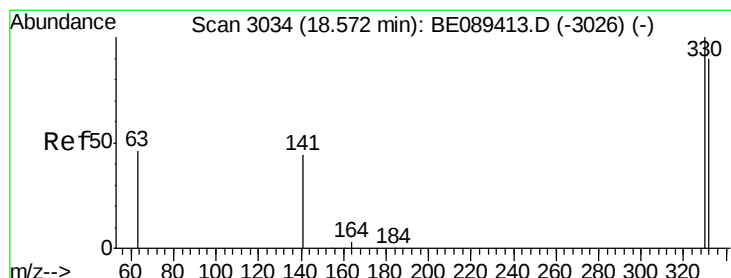
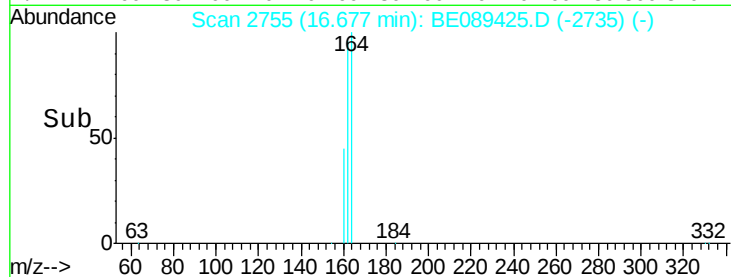
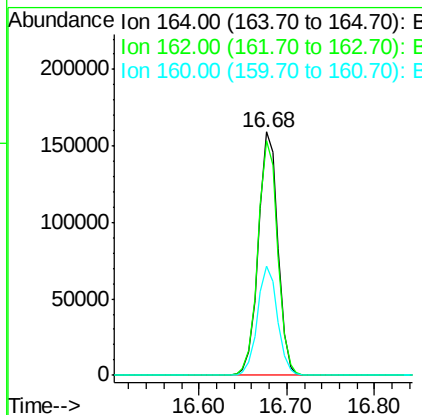
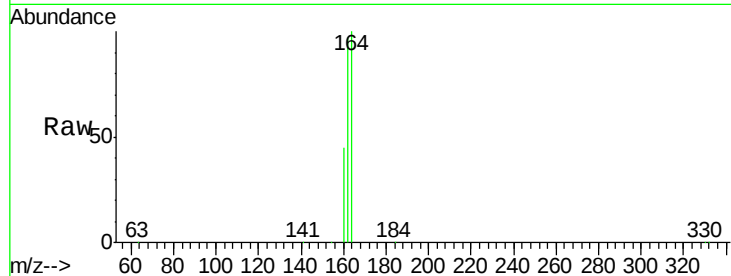
LabSampleId :

SSTDCCC001

Tgt Ion:	164	Resp:	244350
Ion Ratio		Lower	Upper
164	100		
162	96.5	77.0	115.6
160	44.9	35.0	52.4

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#14

2,4,6-Tribromophenol

Concen: 1.00 ng

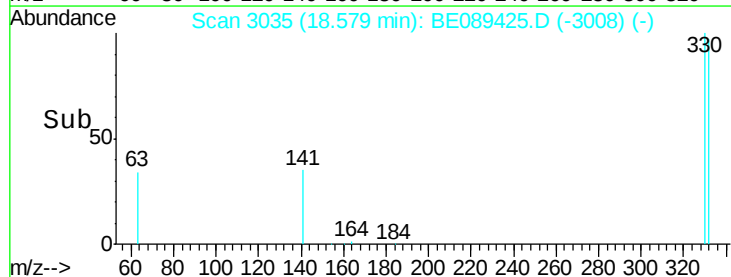
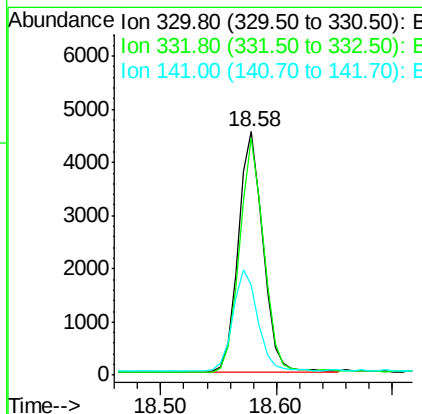
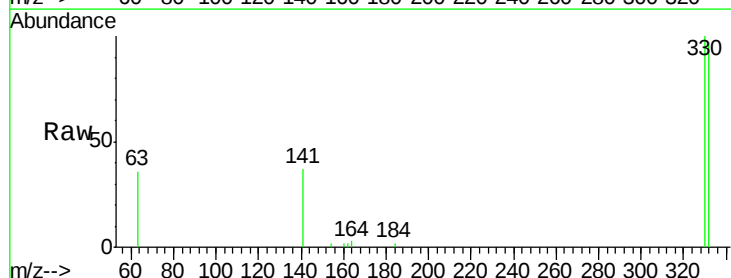
RT: 18.58 min Scan# 3035

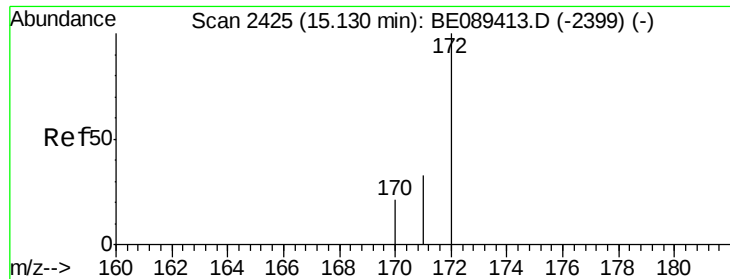
Delta R.T. 0.01 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

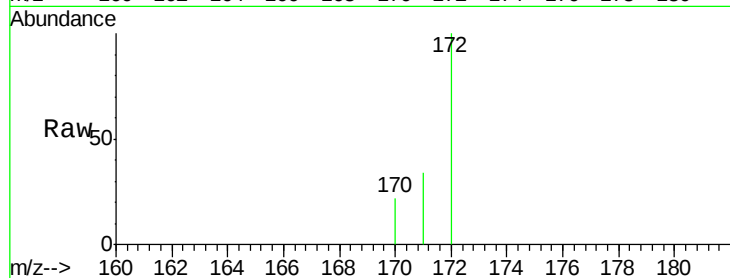
Tgt Ion:	330	Resp:	6759
Ion Ratio		Lower	Upper
330	100		
332	94.2	76.0	114.0
141	42.8	35.6	53.4





#15
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

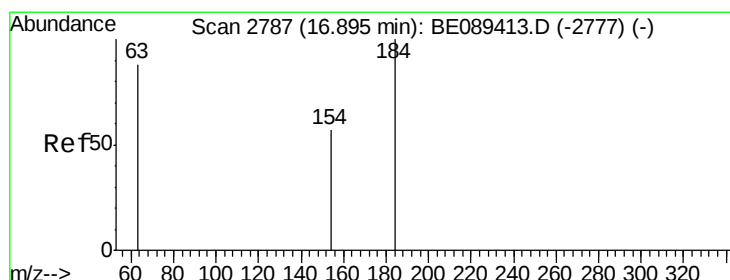
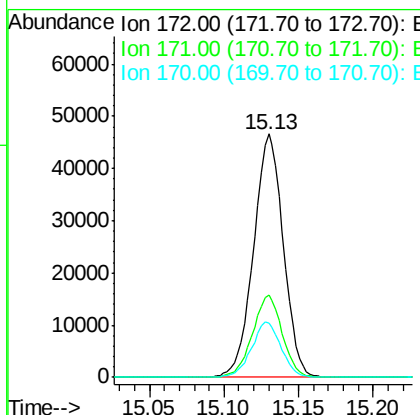
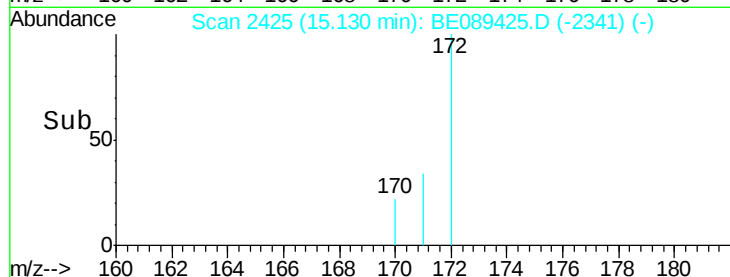
Instrument :
BNA_E
LabSampleId :
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.6	39.8
170	22.3	17.1	25.7

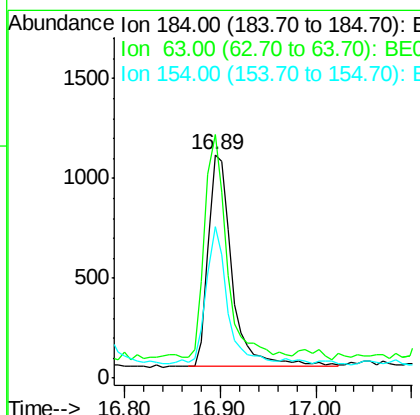
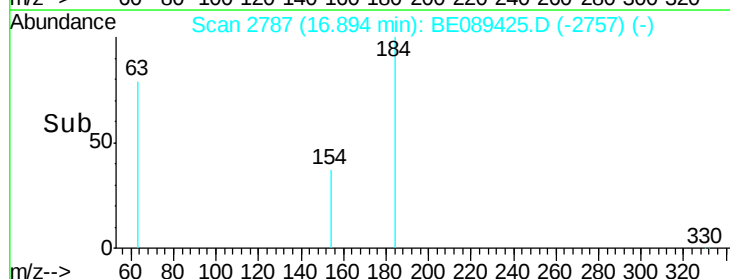
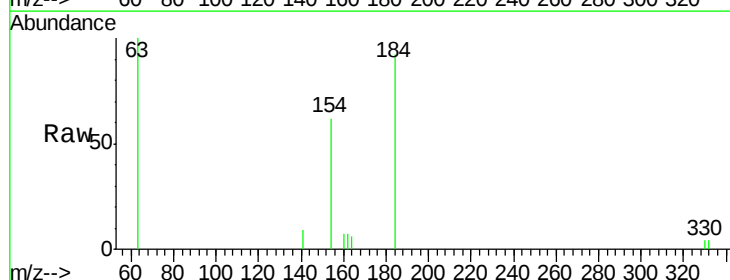
Manual Integrations
APPROVED

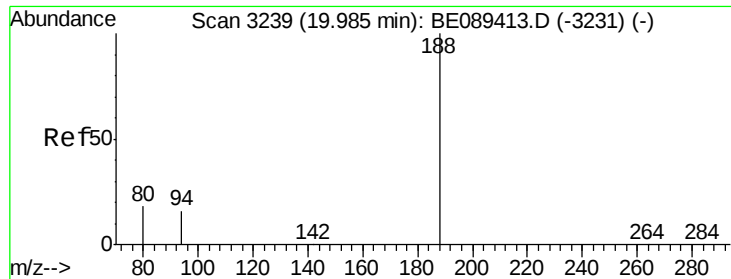
apatel
1/30/2015 5:56:01 PM



#16
2,4-Dinitrophenol
Concen: 1.26 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	109.1	79.0	118.4
154	68.1	55.8	83.6





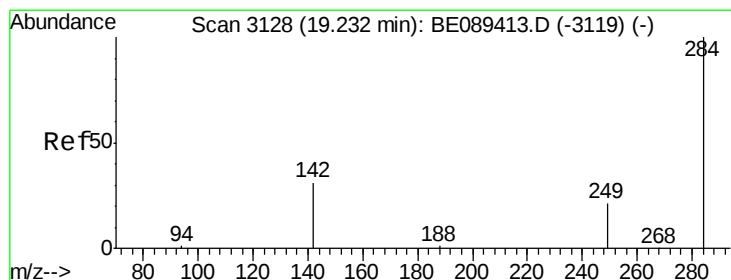
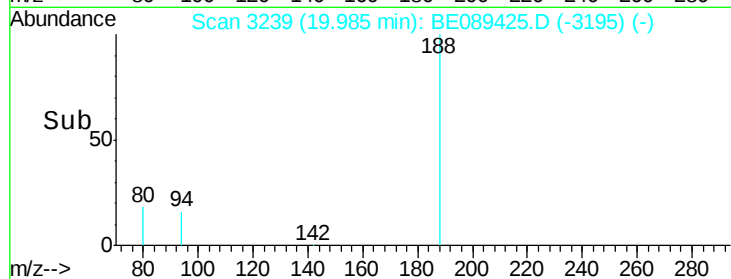
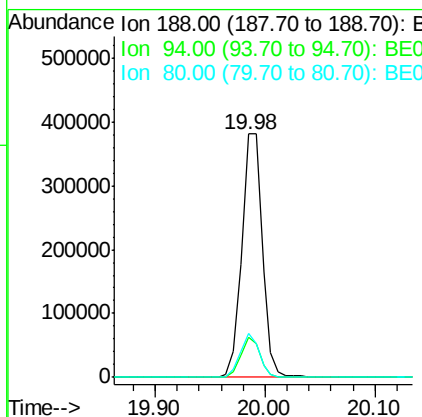
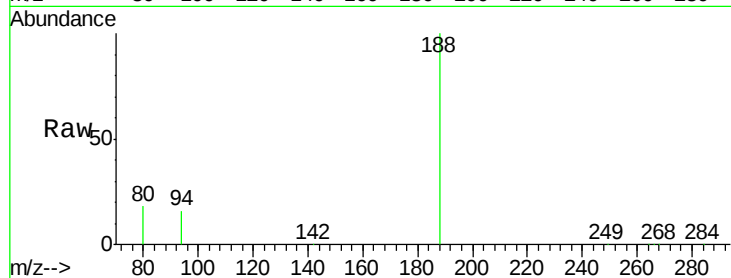
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	491333		
94	16.2	13.0	19.6	
80	18.0	14.2	21.4	

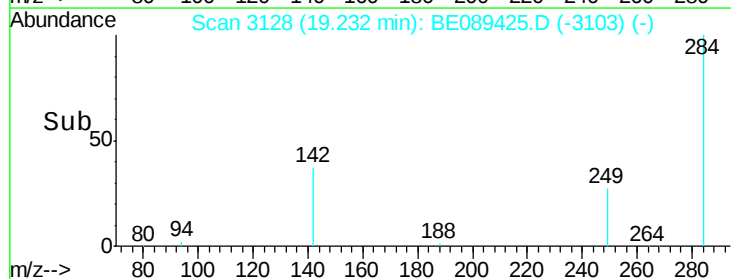
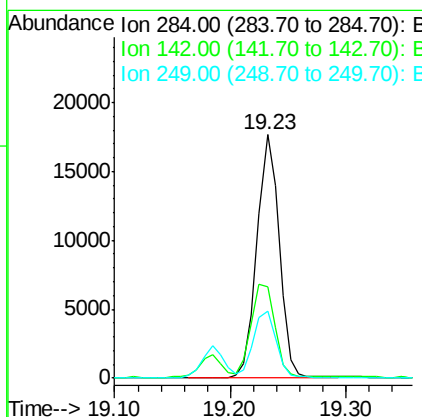
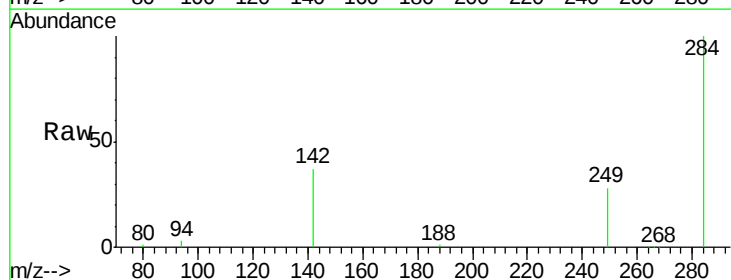
Manual Integrations
APPROVED

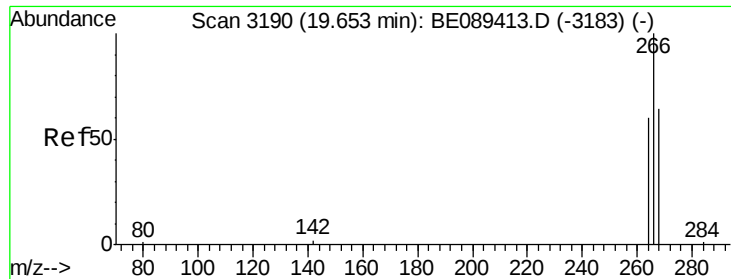
apatel
1/30/2015 5:56:01 PM



#18
Hexachlorobenzene
Concen: 0.96 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	23191		
142	37.5	28.3	42.5	
249	27.7	19.9	29.9	





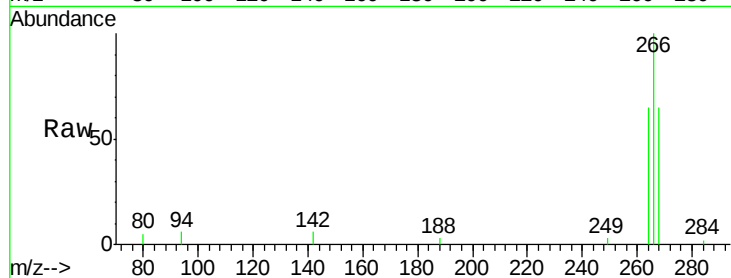
#19
 Pentachlorophenol
 Concen: 0.86 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089425.D
 Acq: 29 Jan 2015 23:01

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

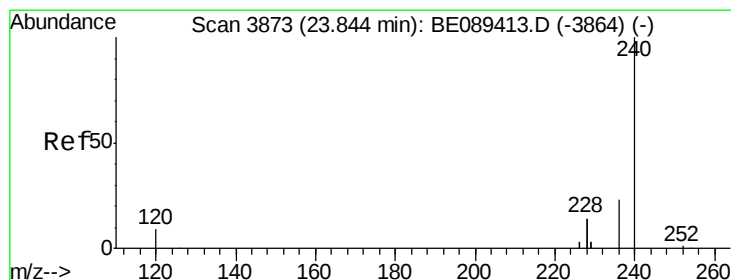
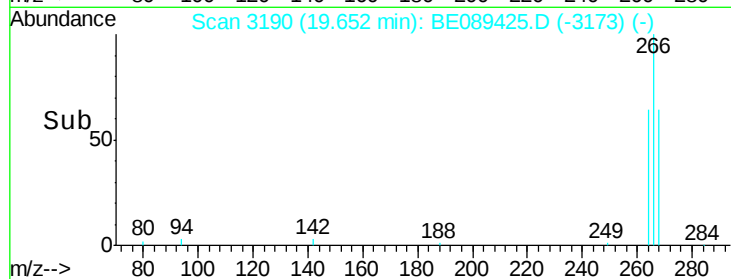
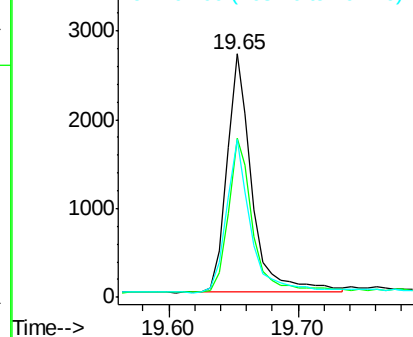
Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.9	77.9
264	64.9	48.5	72.7

Manual Integrations
 APPROVED

apatel
 1/30/2015 5:56:01 PM

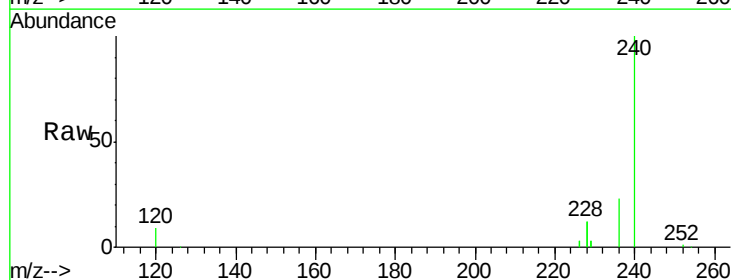


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

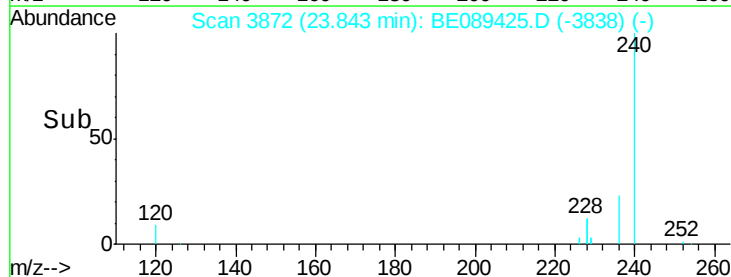
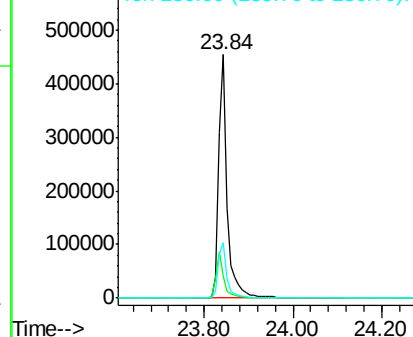


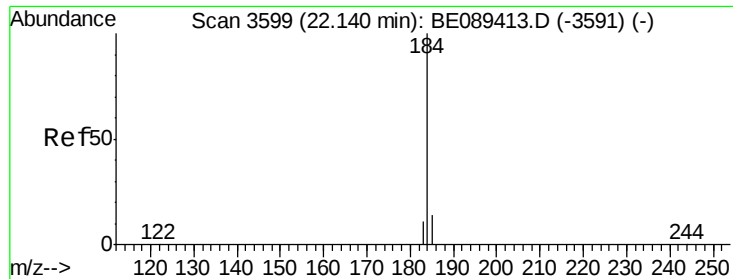
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089425.D
 Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	6.9	10.3
236	23.0	18.2	27.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 1.27 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

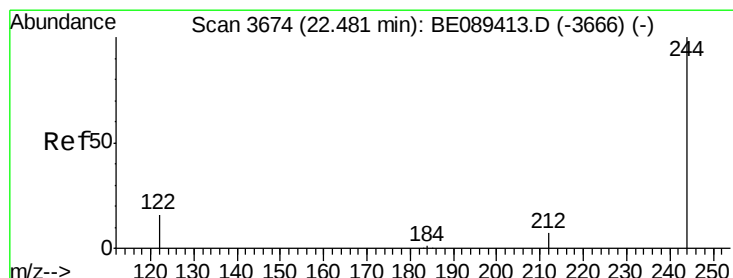
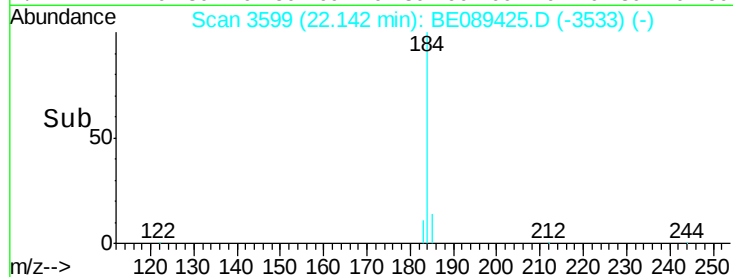
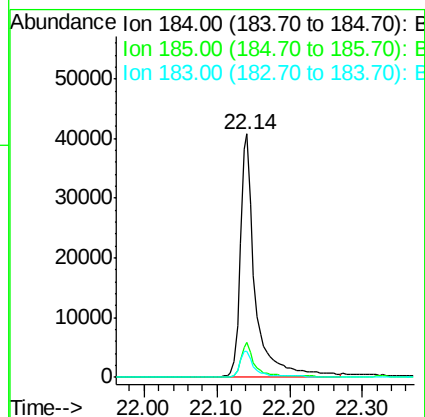
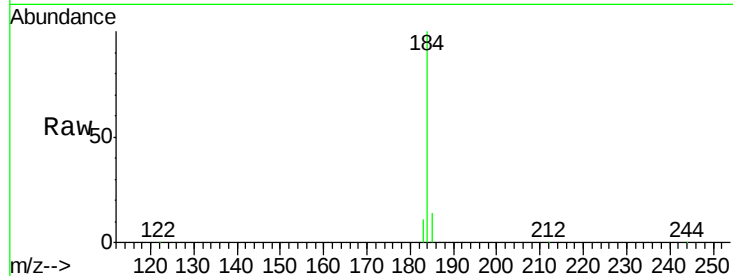
LabSampleId :

SSTDCCC001

Tgt Ion:	184	Resp:	58307
Ion Ratio	Lower	Upper	
184	100		
185	14.1	11.0	16.6
183	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#22

Terphenyl-d14

Concen: 1.09 ng

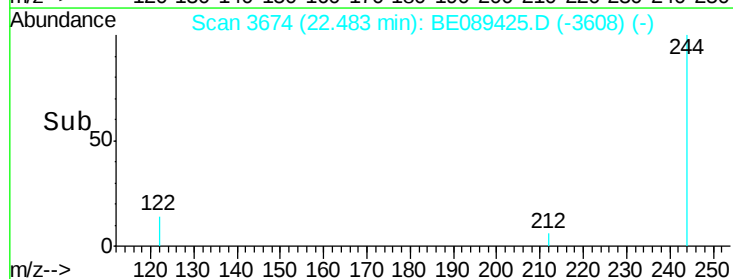
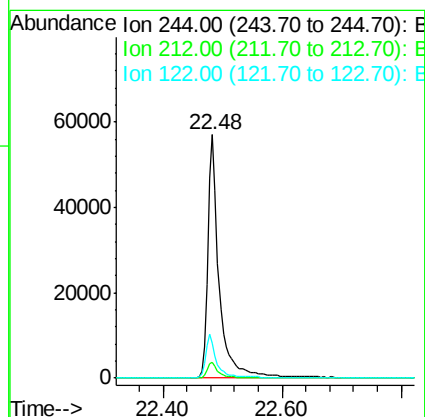
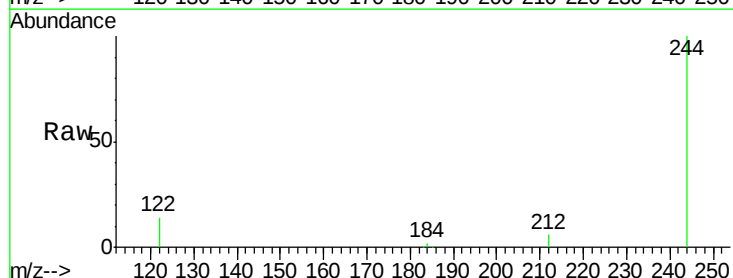
RT: 22.48 min Scan# 3674

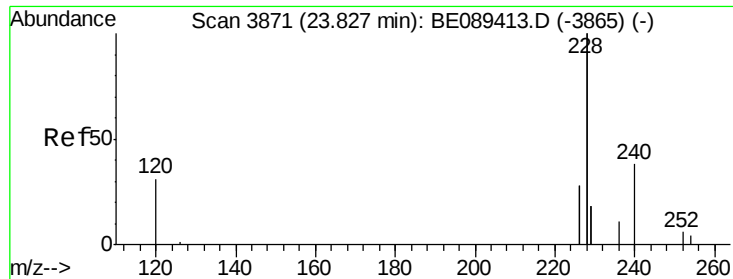
Delta R.T. 0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt Ion:	244	Resp:	76027
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	14.3	13.2	19.8





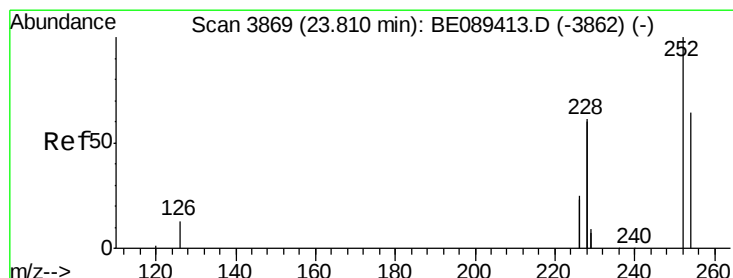
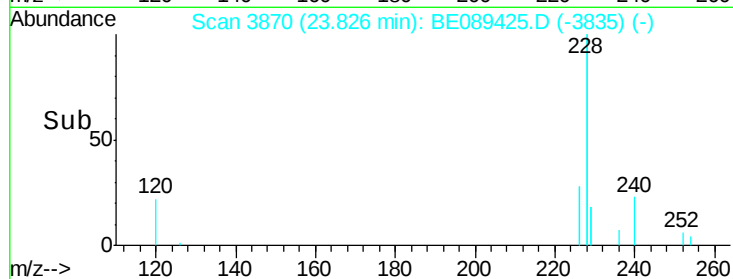
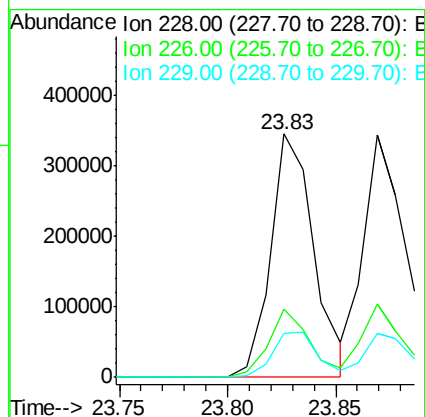
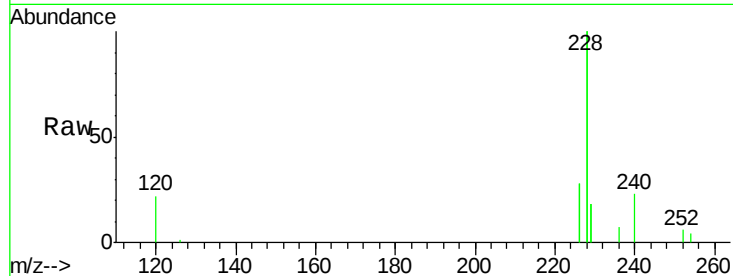
#23
Benzo(a)anthracene
Concen: 1.05 ng
RT: 23.83 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	17.8	14.5	21.7

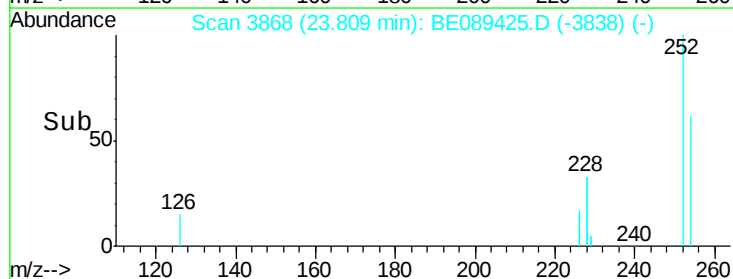
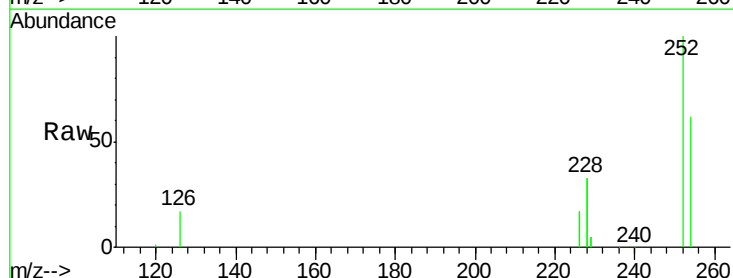
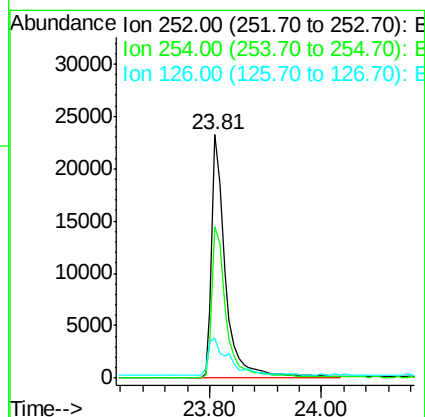
Manual Integrations
APPROVED

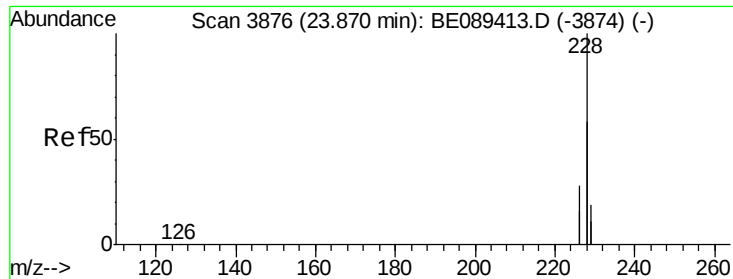
apatel
1/30/2015 5:56:01 PM



#24
3,3'-Dichlorobenzidine
Concen: 1.03 ng
RT: 23.81 min Scan# 3868
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.1	51.1	76.7
126	16.6	11.5	17.3





#25

Chrysene

Concen: 0.93 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

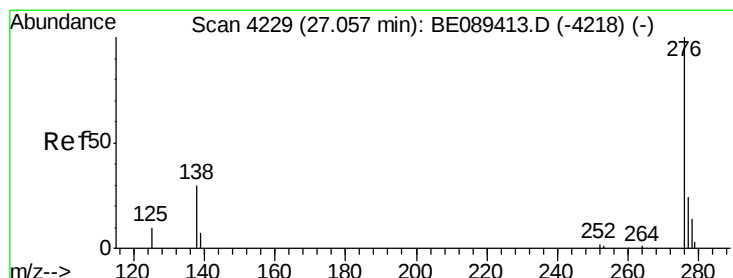
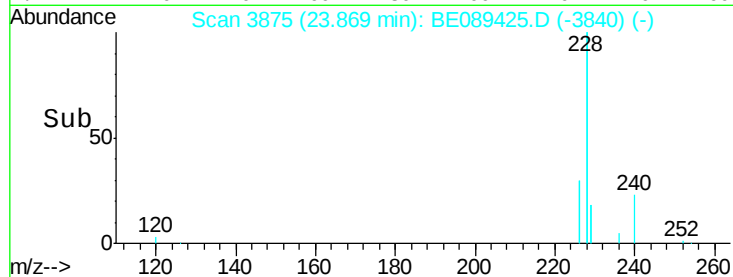
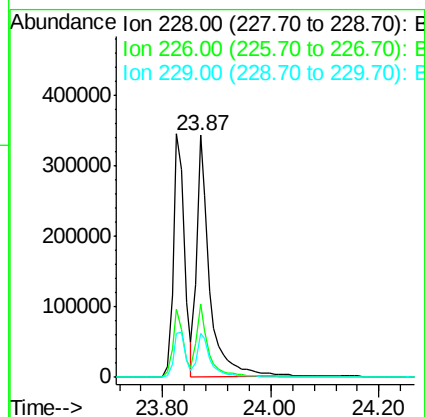
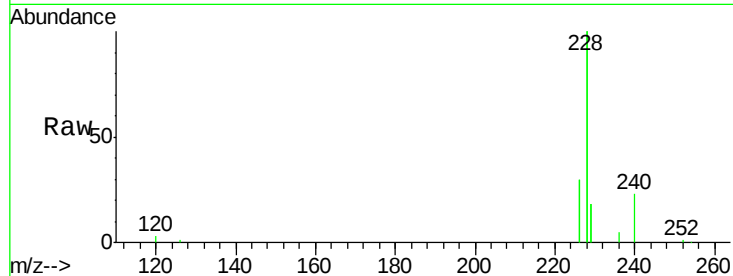
LabSampleId :

SSTDCCC001

Tgt	Ion	228	Resp:	579205
Ion	Ratio	100	Lower	Upper
228	100			
226	30.3	22.6	33.8	
229	18.3	15.5	23.3	

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.09 ng

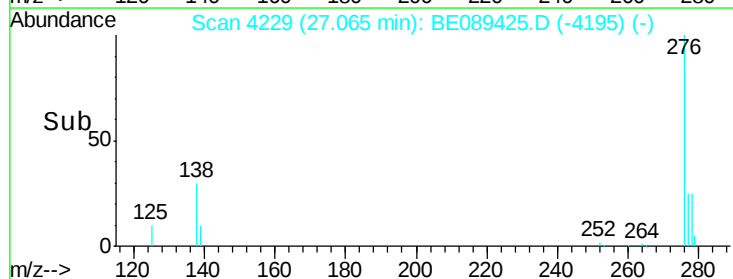
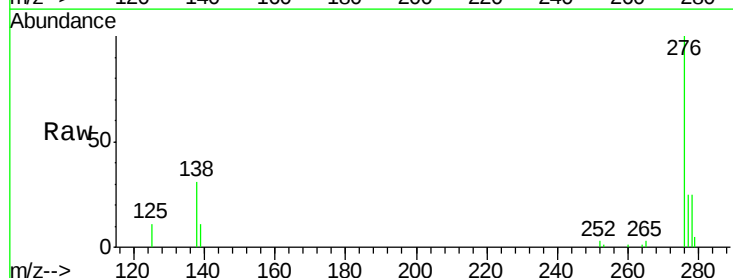
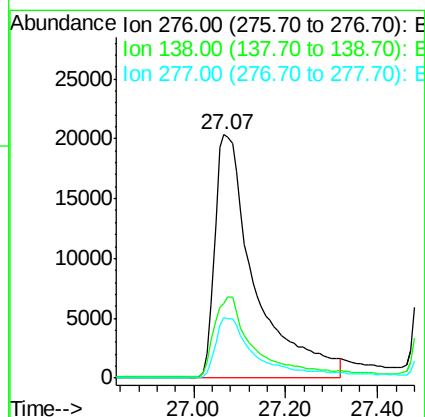
RT: 27.07 min Scan# 4229

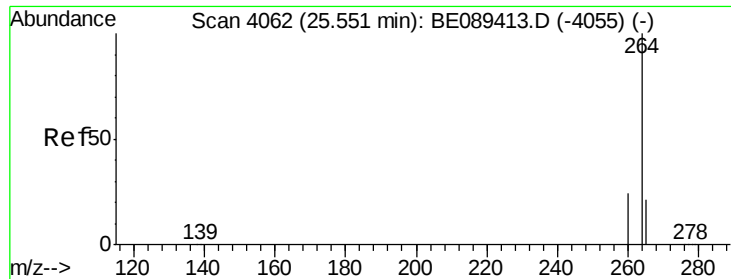
Delta R.T. 0.01 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt	Ion	276	Resp:	121984
Ion	Ratio	100	Lower	Upper
276	100			
138	32.3	0.0	0.0#	
277	24.1	0.0	0.0#	





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. -0.00 min

Lab File: BE089425.D

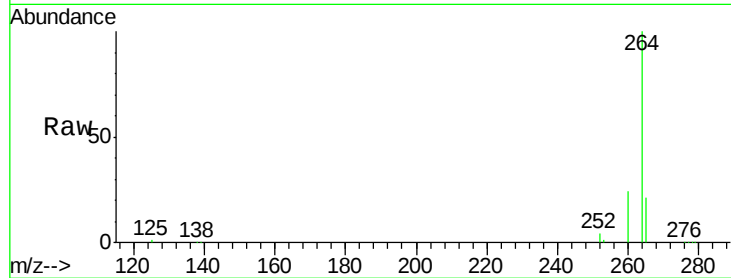
Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

LabSampleId :

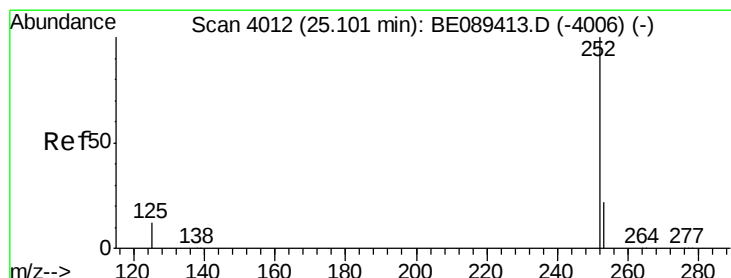
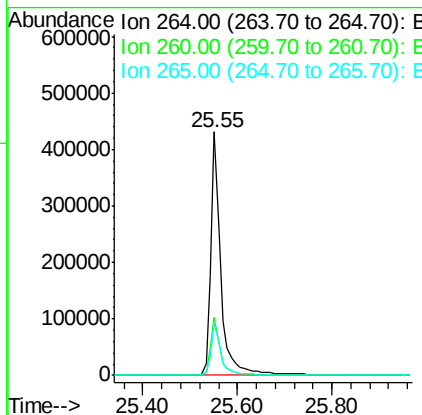
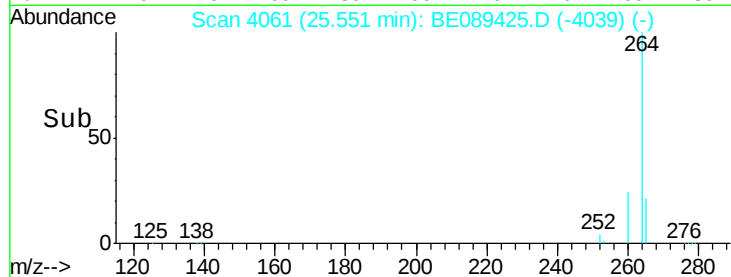
SSTDCCC001



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	632987		
260	24.1	19.4	29.0	
265	21.1	17.1	25.7	

Manual Integrations
APPROVED

apatel
1/30/2015 5:56:01 PM



#28

Benzo(b)fluoranthene

Concen: 3.39 ng

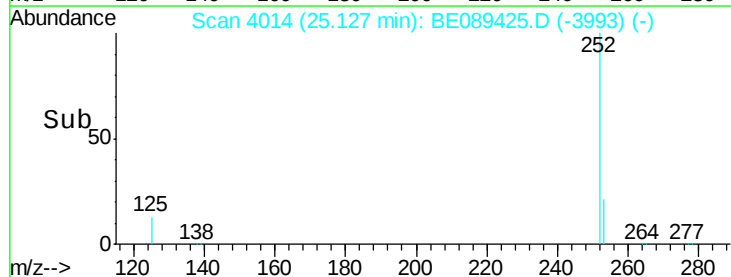
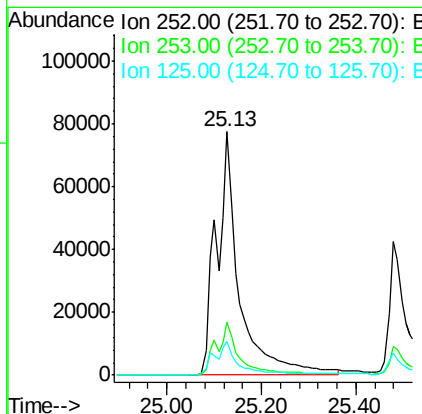
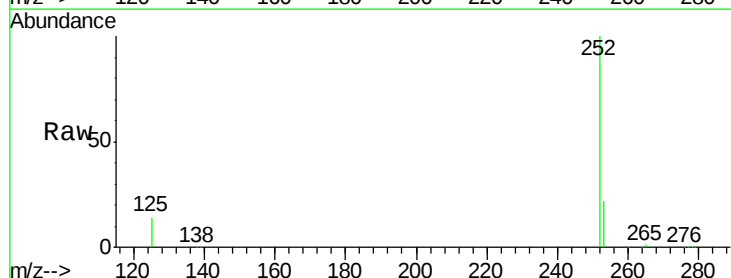
RT: 25.13 min Scan# 4014

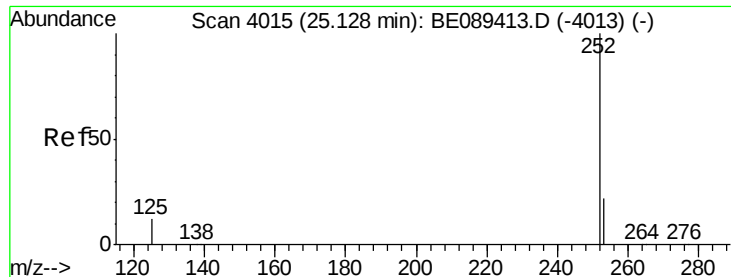
Delta R.T. 0.03 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	258496		
253	21.5	17.6	26.4	
125	13.6	10.5	15.7	





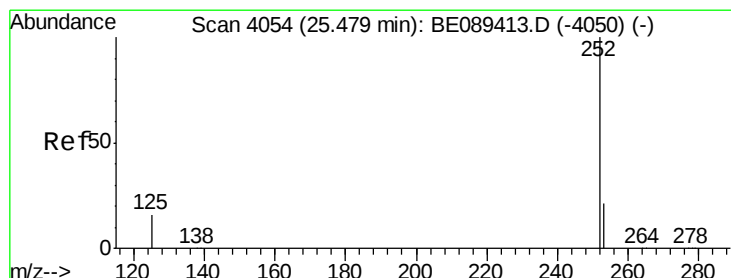
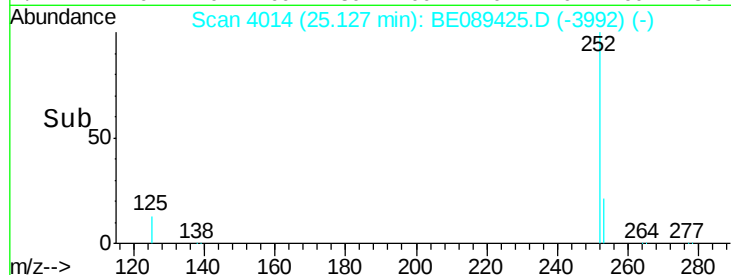
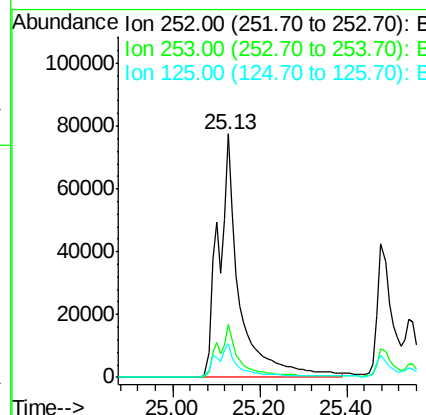
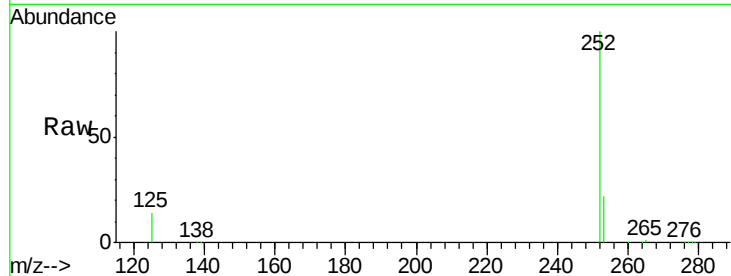
#29
Benzo(k)fluoranthene
Concen: 1.27 ng
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	13.6	11.0	16.6

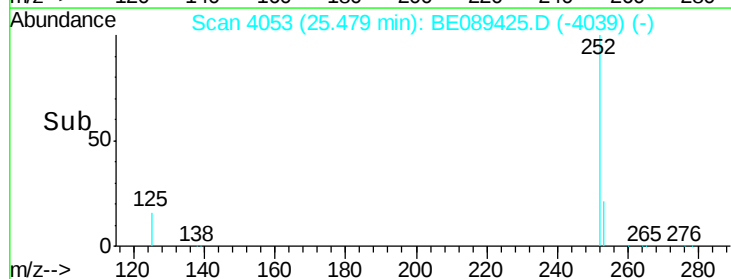
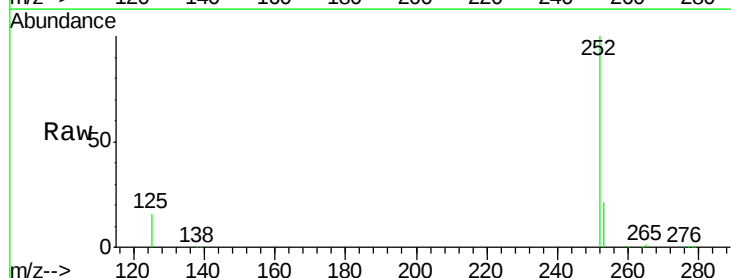
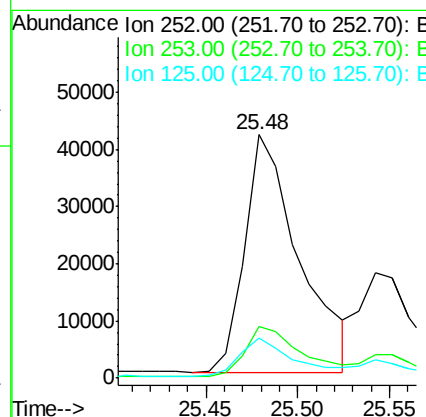
Manual Integrations
APPROVED

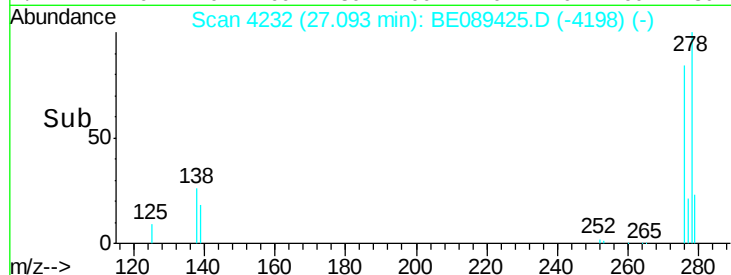
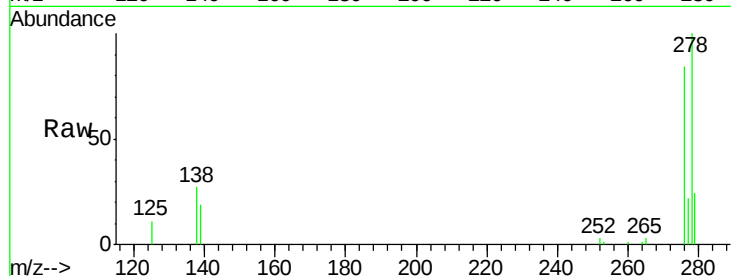
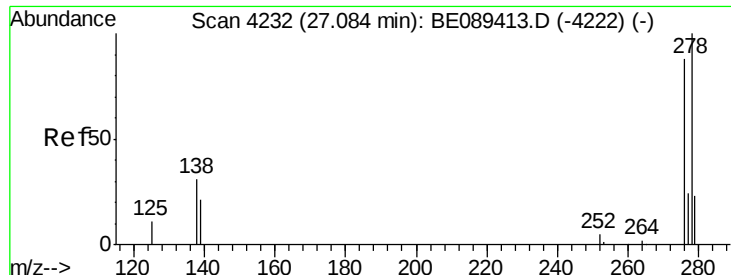
apatel
1/30/2015 5:56:01 PM



#30
Benzo(a)pyrene
Concen: 1.09 ng
RT: 25.48 min Scan# 4053
Delta R.T. -0.00 min
Lab File: BE089425.D
Acq: 29 Jan 2015 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	16.5	13.0	19.6





#31

Dibenzo(a,h)anthracene

Concen: 1.04 ng

RT: 27.09 min Scan# 4232

Delta R.T. 0.01 min

Lab File: BE089425.D

Acq: 29 Jan 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

Tgt Ion: 278 Resp: 93960

Ion Ratio Lower Upper

278 100

139 18.8 17.2 25.8

279 23.8 19.2 28.8

Manual Integrations

APPROVED

apatel

1/30/2015 5:56:01 PM

