

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010515\
 Data File : BE089319.D
 Acq On : 5 Jan 2015 18:07
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:23:59 AM

Quant Time: Jan 06 13:21:00 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIM-BE121914.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 20 00:43:57 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	30893	5.00	ng	0.00
7) Naphthalene-d8	8.50	136	118599	5.00	ng	0.00
13) Acenaphthene-d10	10.65	164	55818	5.00	ng	0.00
17) Phenanthrene-d10	12.71	188	82839	5.00	ng	0.00
20) Chrysene-d12	18.05	240	55830	5.00	ng	0.00
27) Perylene-d12	21.10	264	46745	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.27	112	6463	0.96	ng	0.00
4) Phenol-d6	6.55	99	10275	1.02	ng	0.00
8) Nitrobenzene-d5	7.64	82	8575	0.97	ng	0.00
14) 2,4,6-Tribromophenol	11.67	330	1638	1.08	ng	0.00
15) 2-Fluorobiphenyl	9.85	172	15777	1.00	ng	0.00
22) Terphenyl-d14	15.84	244	9752	0.98	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.72	42	4037	1.00	ng	# 91
5) Phenol	6.57	94	13939	1.15	ng	98
6) bis(2-Chloroethyl)ether	6.64	93	10400	1.12	ng	# 99
9) Nitrobenzene	7.66	77	10096	1.10	ng	99
10) 2,4-Dimethylphenol	8.15	122	7780	1.12	ng	# 79
11) 2,4-Dichlorophenol	8.37	162	6566	1.13	ng	96
12) Hexachlorobutadiene	8.68	225	3560	1.09	ng	99
16) 2,4-Dinitrophenol	10.79	184	721	1.19	ng	# 80
18) Hexachlorobenzene	12.09	284	4329	1.09	ng	# 84
19) Pentachlorophenol	12.44	266	1206	1.27	ng	96
21) Benzidine	15.33	184	7461	1.06	ng	97
23) Benzo(a)anthracene	18.03	228	52113	1.05	ng	99
24) 3,3'-Dichlorobenzidine	18.10	252	4230	1.06	ng	98
25) Chrysene	18.11	228	59921	1.15	ng	98
26) Indeno(1,2,3-cd)pyrene	23.20	276	38635m	0.95	ng	
28) Benzo(b)fluoranthene	20.35	252	9569	1.10	ng	100
29) Benzo(k)fluoranthene	20.41	252	13876	1.17	ng	100
30) Benzo(a)pyrene	20.99	252	9015	1.05	ng	99
31) Dibenzo(a,h)anthracene	23.28	278	7076	0.96	ng	99

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

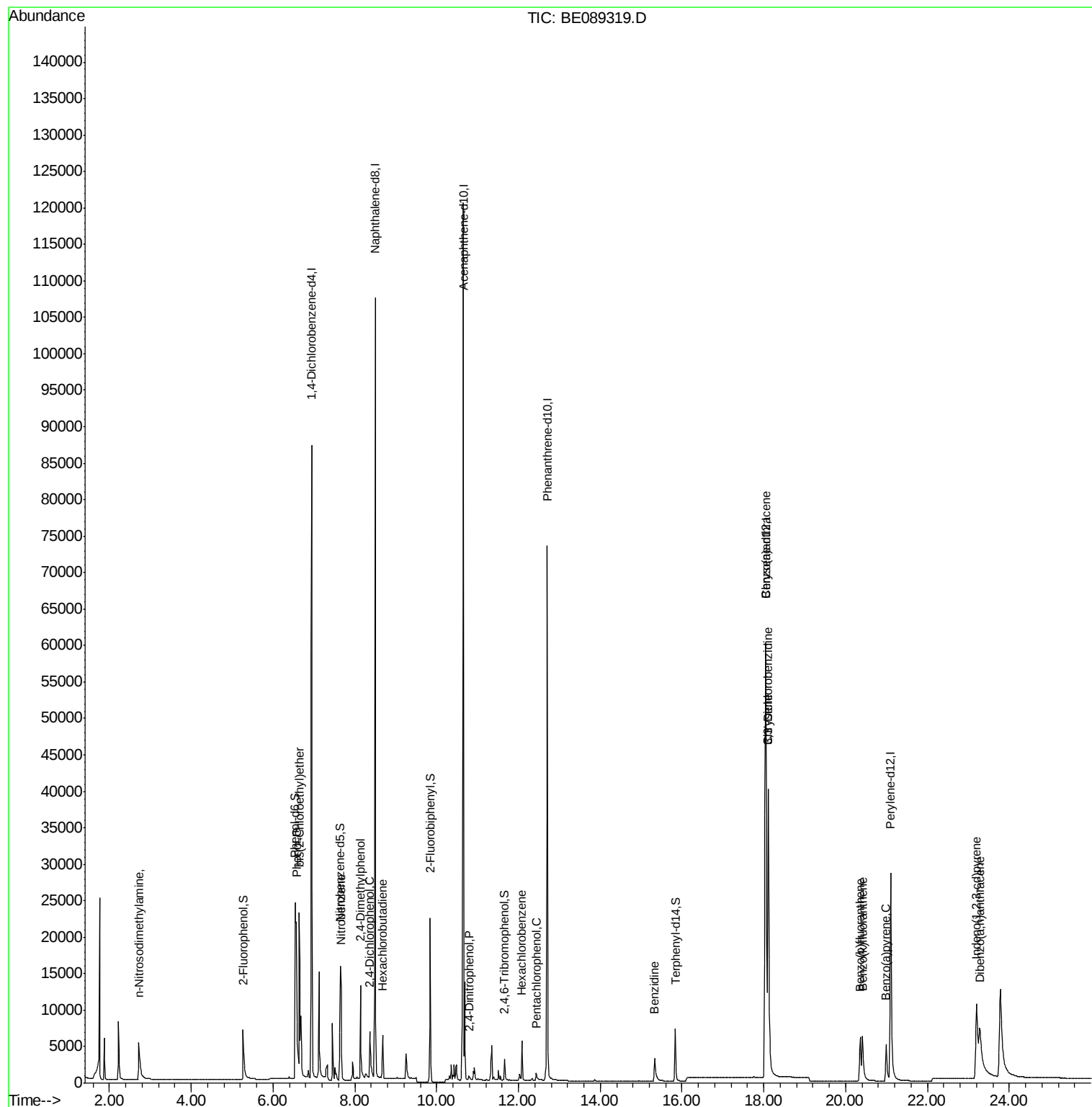
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010515\
Data File : BE089319.D
Acq On : 5 Jan 2015 18:07
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

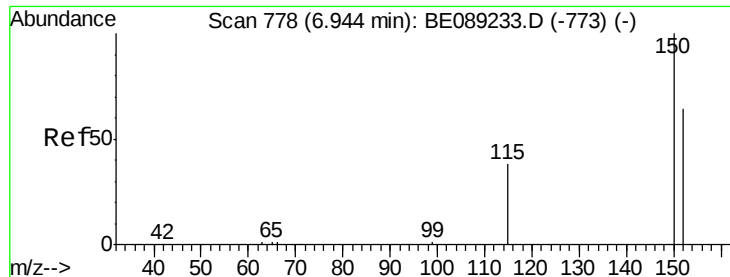
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM

Quant Time: Jan 06 13:21:00 2015
Quant Method : Z:\HPCHEM1\BNA_E\methods\SIM-BE121914.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 20 00:43:57 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.94 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE089319.D

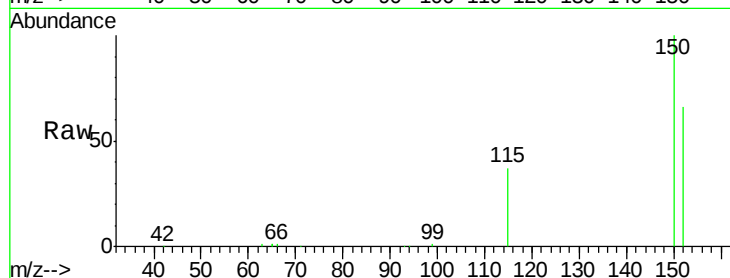
Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 30893

Ion Ratio Lower Upper

152 100

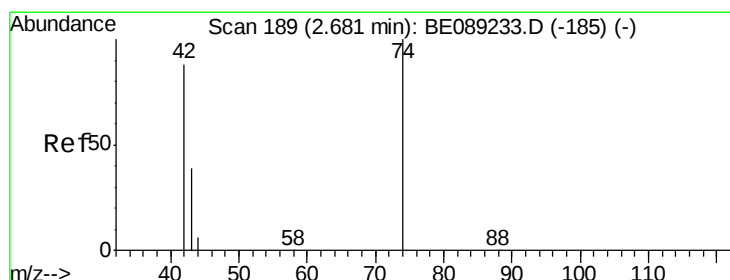
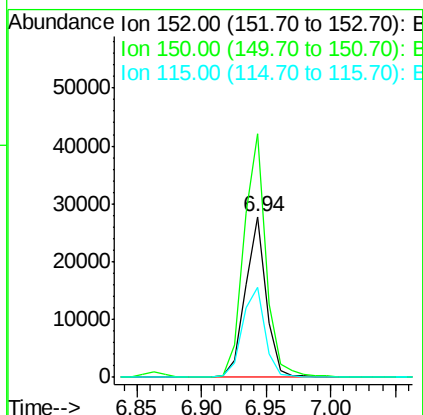
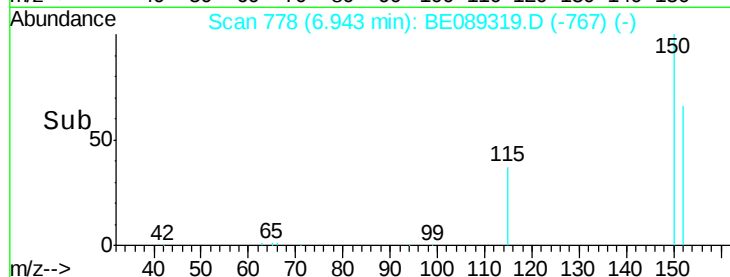
150 151.5 125.5 188.3

115 56.1 47.4 71.2

Manual Integrations

APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM



#2

n-Nitrosodimethylamine

Concen: 1.00 ng

RT: 2.72 min Scan# 195

Delta R.T. 0.04 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

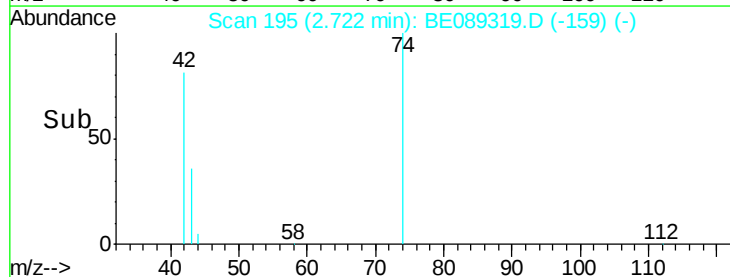
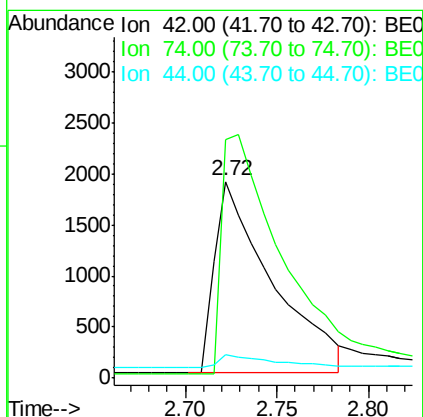
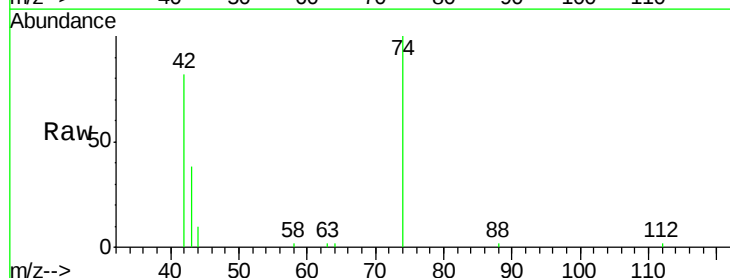
Tgt Ion: 42 Resp: 4037

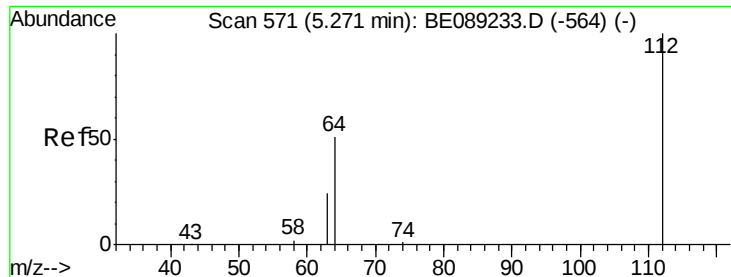
Ion Ratio Lower Upper

42 100

74 121.6 89.7 134.5

44 12.1 14.2 21.2#





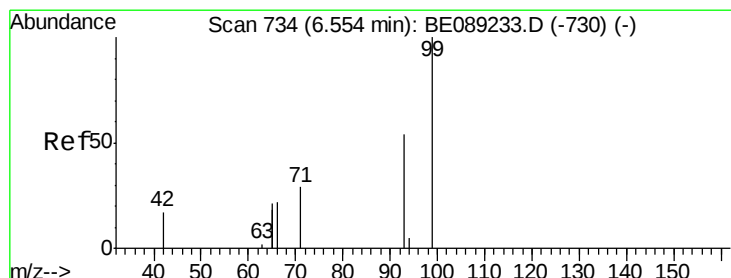
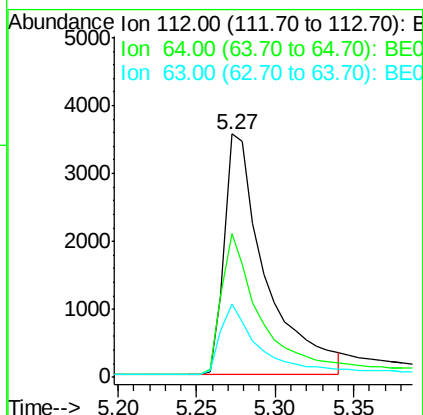
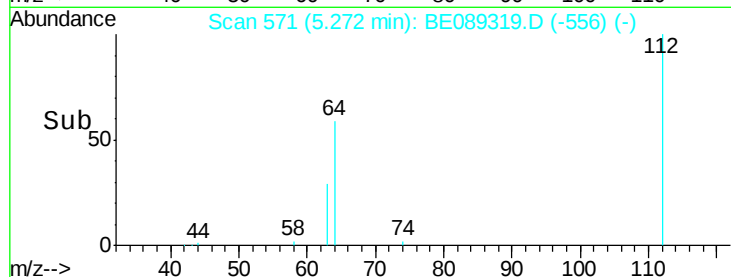
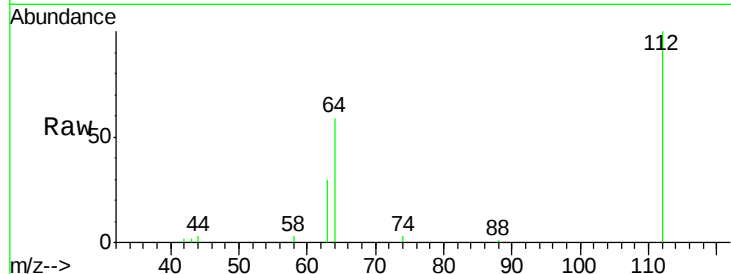
#3
2-Fluorophenol
Concen: 0.96 ng
RT: 5.27 min Scan# 571
Delta R.T. 0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	6463		
64	59.1	45.4	68.0	
63	30.1	23.6	35.4	

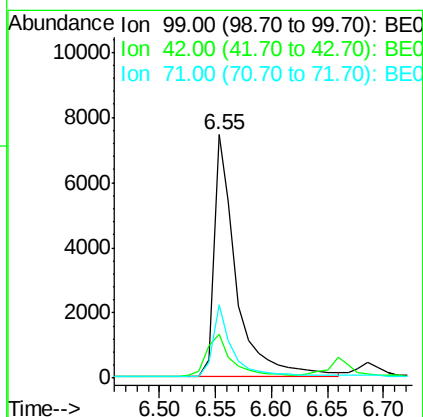
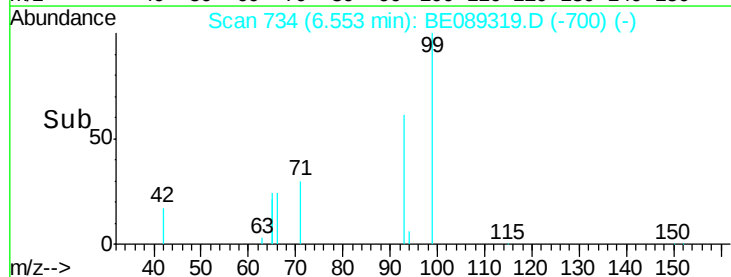
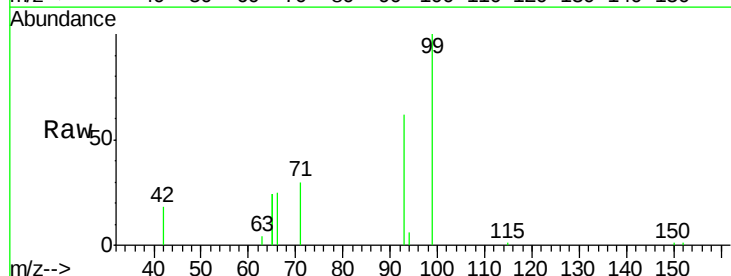
Manual Integrations
APPROVED

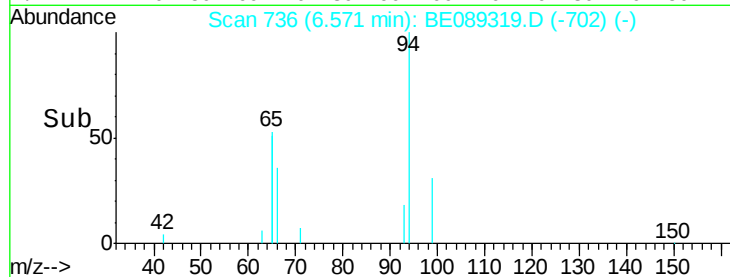
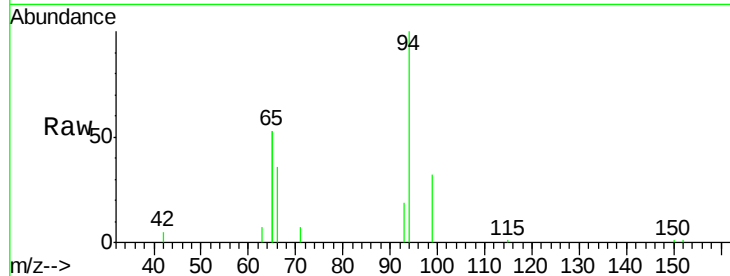
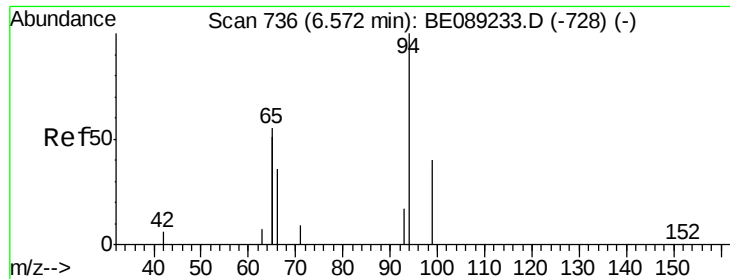
TEJASKUMAR
1/7/2015 9:23:59 AM



#4
Phenol-d6
Concen: 1.02 ng
RT: 6.55 min Scan# 734
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	10275		
42	18.2	14.6	22.0	
71	30.0	23.5	35.3	





#5

Phenol

Concen: 1.15 ng

RT: 6.57 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

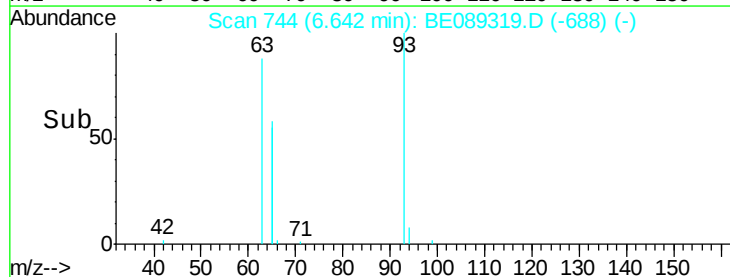
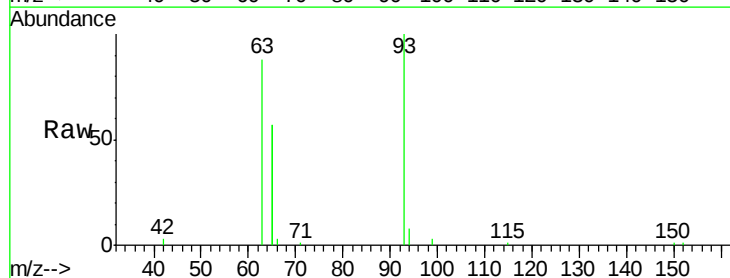
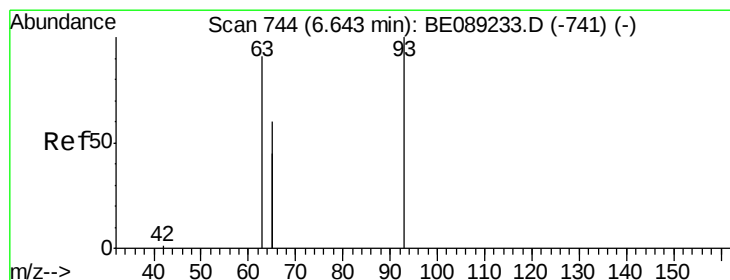
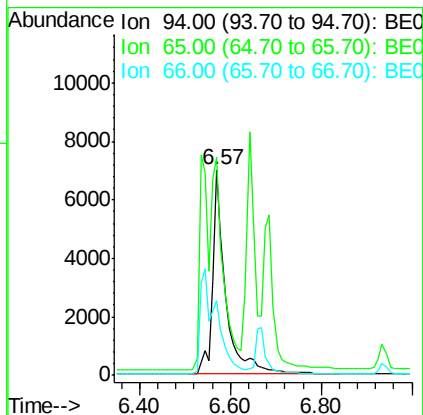
LabSampleId :

SSTDCCC001

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM

Tgt Ion:	94	Resp:	13939
Ion	Ratio	Lower	Upper
94	100		
65	106.0	88.8	128.8
66	36.2	16.9	56.9



#6

bis(2-Chloroethyl)ether

Concen: 1.12 ng

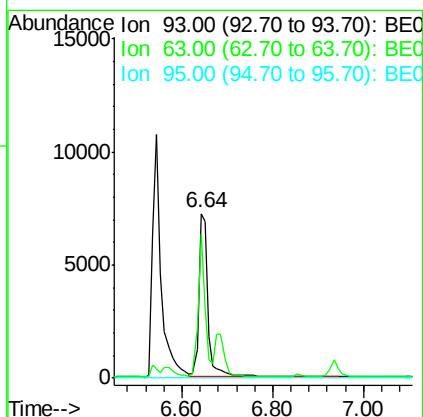
RT: 6.64 min Scan# 744

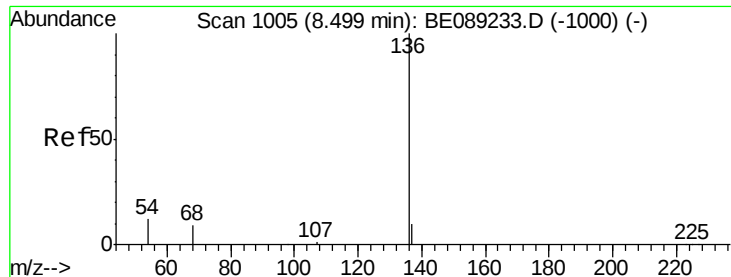
Delta R.T. -0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Tgt Ion:	93	Resp:	10400
Ion	Ratio	Lower	Upper
93	100		
63	66.5	52.8	79.2
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 8.50 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

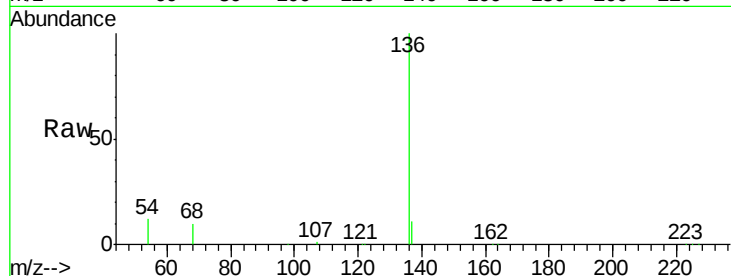
LabSampleId :

SSTDCCC001

Tgt Ion:	136	Resp:	118599
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.4	12.6
54	12.3	9.4	14.2

Manual Integrations
APPROVED

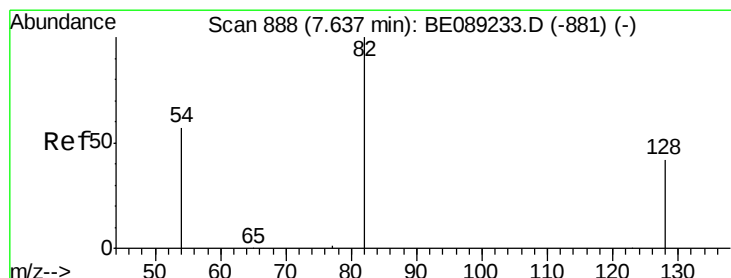
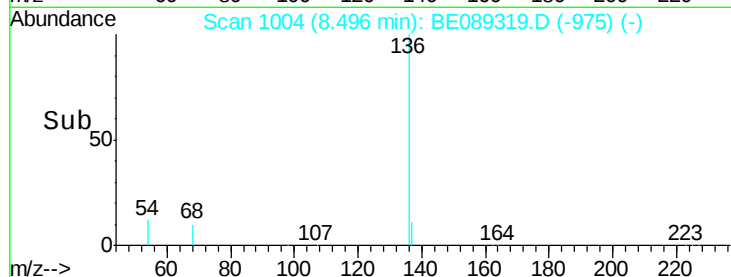
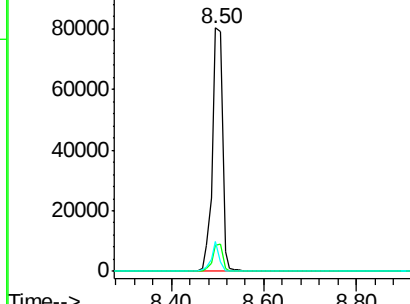
TEJASKUMAR
1/7/2015 9:23:59 AM



Abundance Ion 136.00 (135.70 to 136.70): BE089233.D (-1000) (-)

Ion 137.00 (136.70 to 137.70): BE089233.D (-1000) (-)

Ion 54.00 (53.70 to 54.70): BE089233.D (-1000) (-)



#8

Nitrobenzene-d5

Concen: 0.97 ng

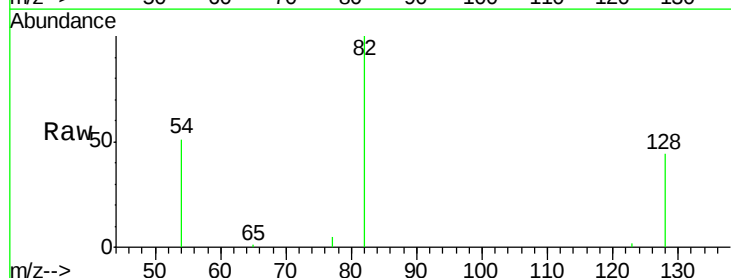
RT: 7.64 min Scan# 888

Delta R.T. 0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

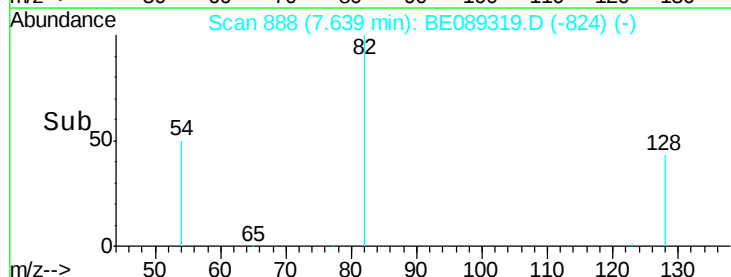
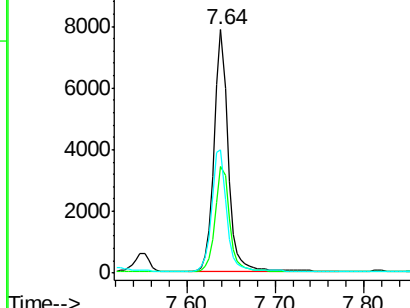
Tgt Ion:	82	Resp:	8575
Ion Ratio	Lower	Upper	
82	100		
128	43.7	34.1	51.1
54	50.6	45.6	68.4

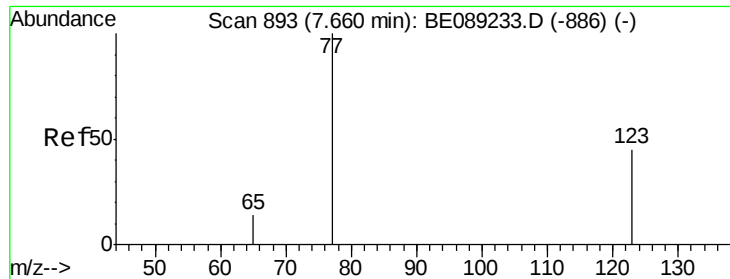


Abundance Ion 82.00 (81.70 to 82.70): BE089233.D (-881) (-)

Ion 128.00 (127.70 to 128.70): BE089233.D (-881) (-)

Ion 54.00 (53.70 to 54.70): BE089233.D (-881) (-)





#9

Nitrobenzene

Concen: 1.10 ng

RT: 7.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: BE089319.D

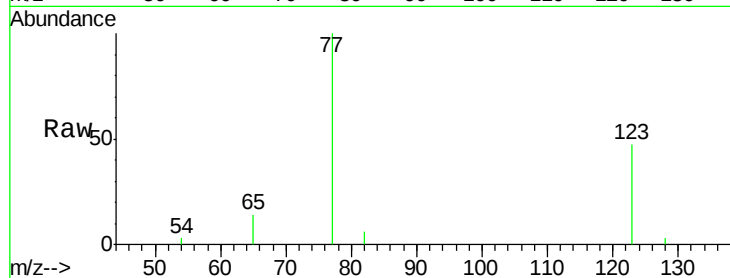
Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

LabSampleId :

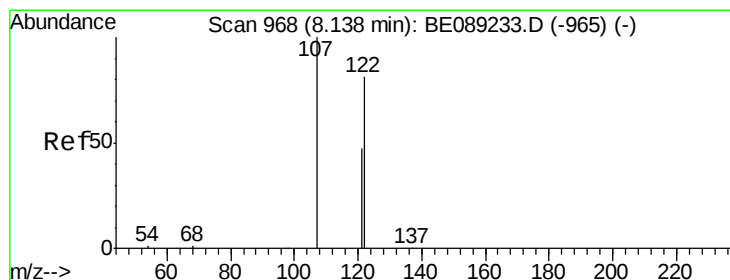
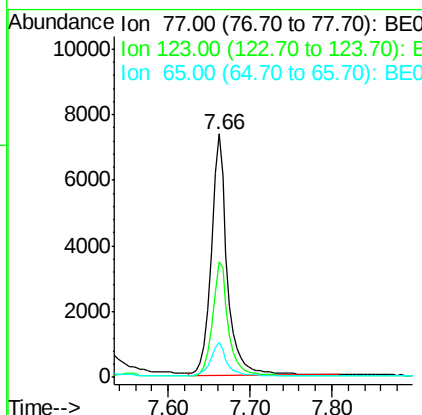
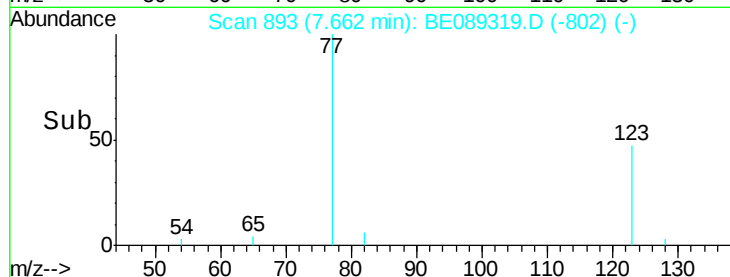
SSTDCCC001



Tgt Ion:	77	Resp:	10096
Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.8	56.8
65	13.0	10.5	15.7

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM



#10

2,4-Dimethylphenol

Concen: 1.12 ng

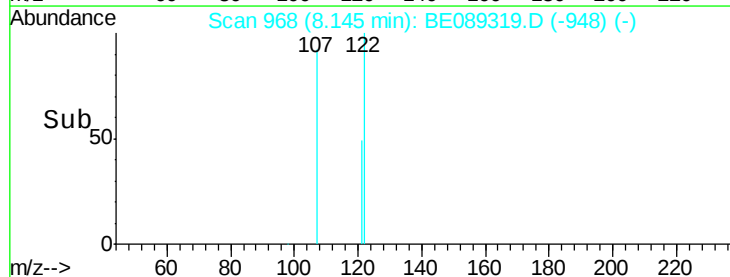
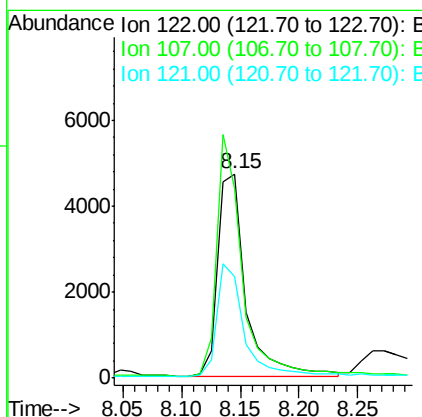
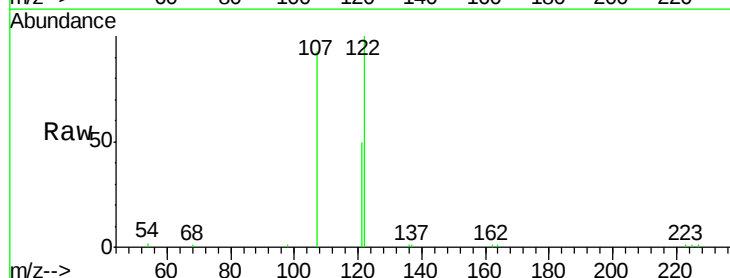
RT: 8.15 min Scan# 968

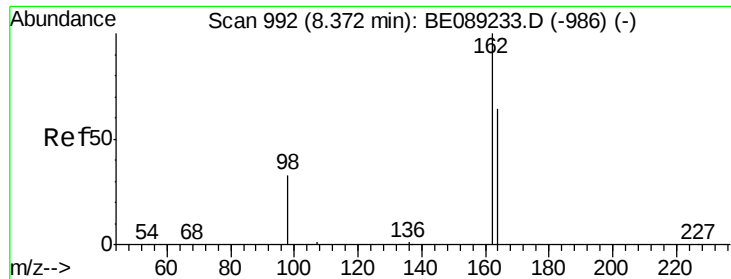
Delta R.T. 0.01 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Tgt Ion:	122	Resp:	7780
Ion	Ratio	Lower	Upper
122	100		
107	93.0	98.1	147.1#
121	50.0	46.6	70.0





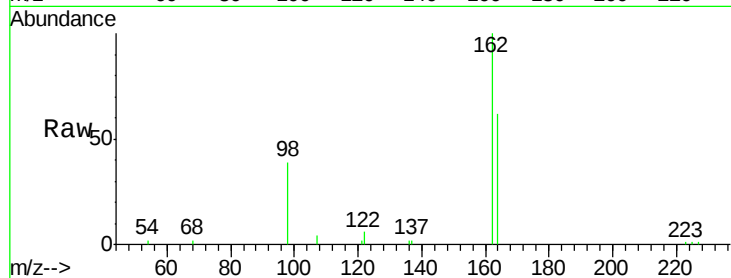
#11
2,4-Dichlorophenol
Concen: 1.13 ng
RT: 8.37 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

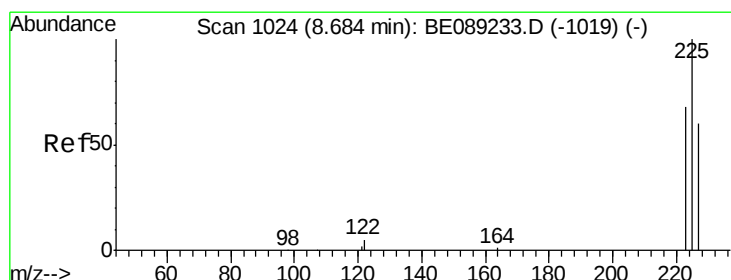
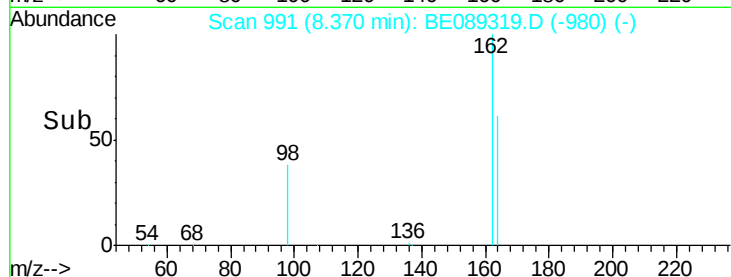
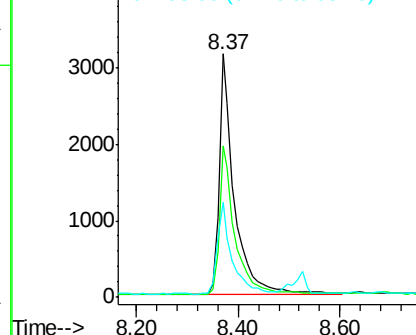
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.0	44.3	84.3
98	38.8	14.6	54.6

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM

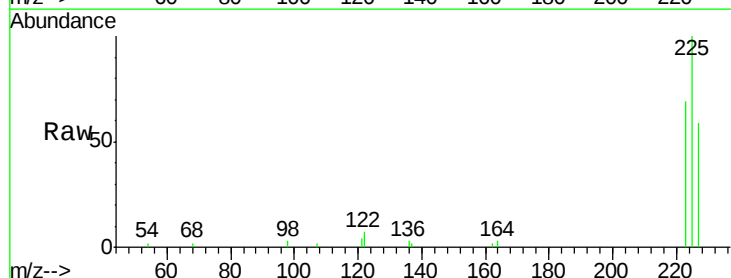


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

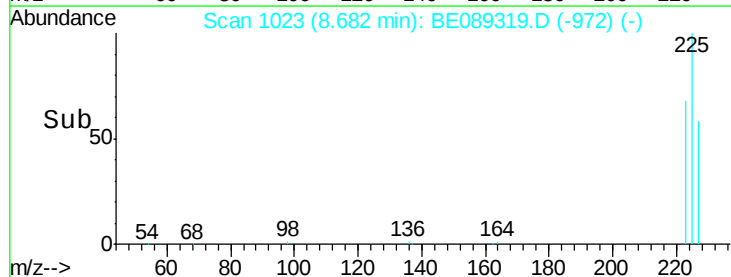
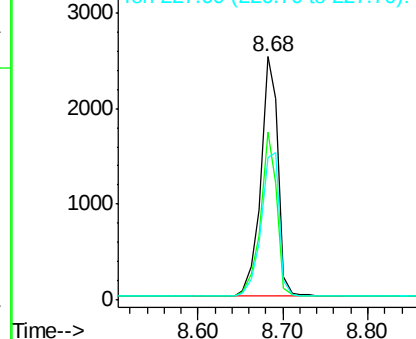


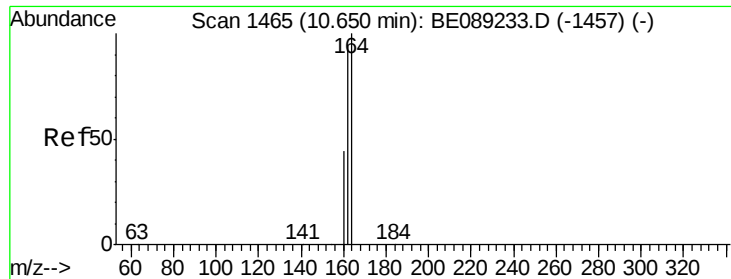
#12
Hexachlorobutadiene
Concen: 1.09 ng
RT: 8.68 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.4	75.6
227	64.1	51.7	77.5



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





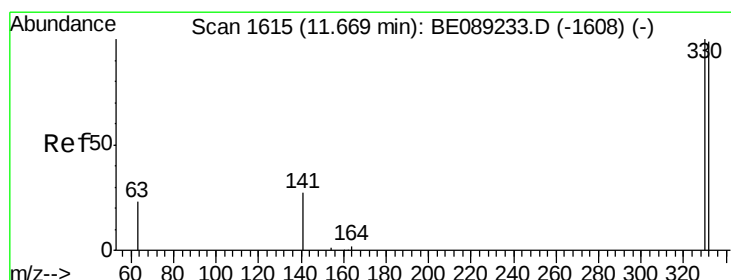
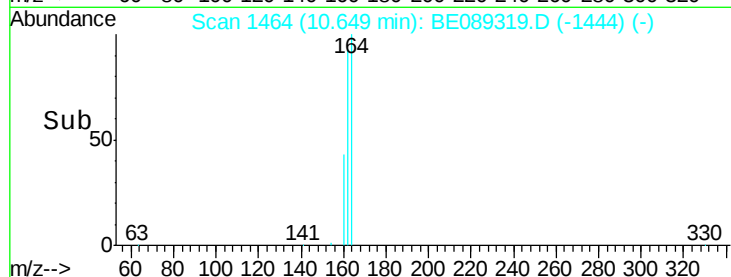
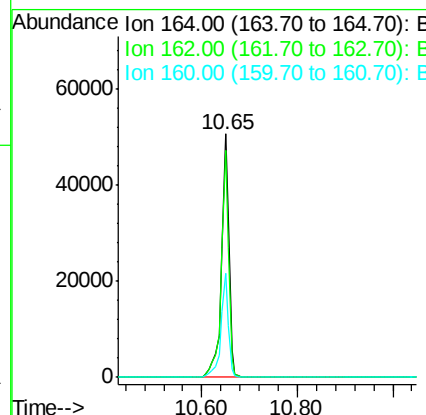
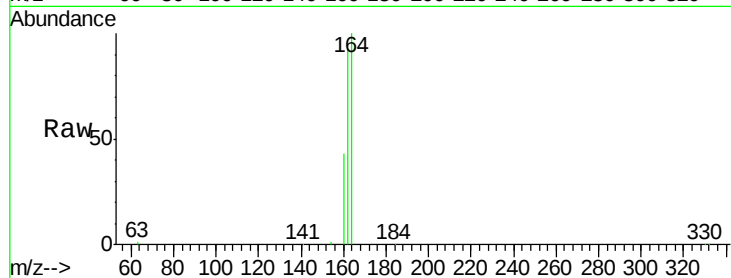
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.65 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.2	75.4	113.0
160	42.8	35.6	53.4

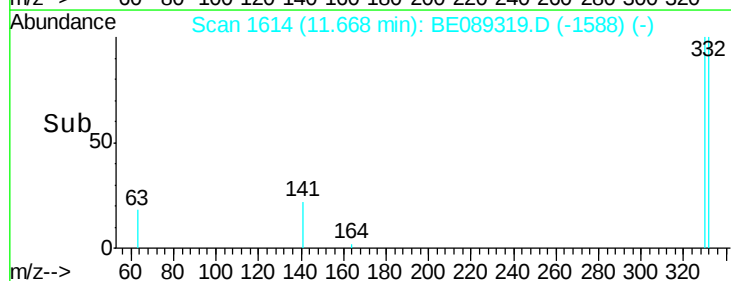
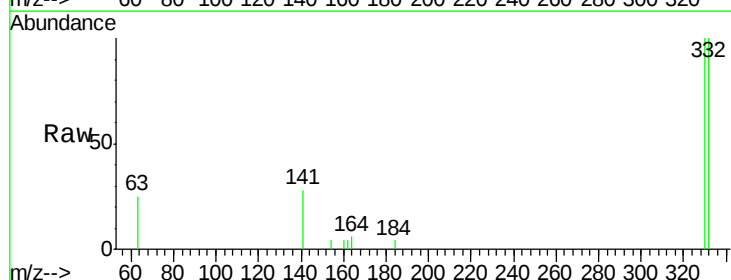
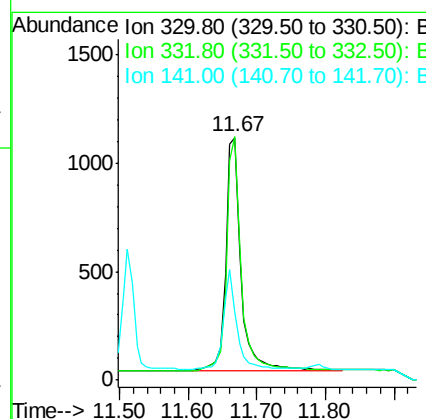
Manual Integrations
APPROVED

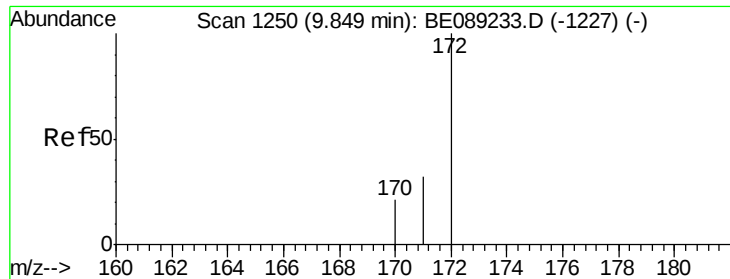
TEJASKUMAR
1/7/2015 9:23:59 AM



#14
2,4,6-Tribromophenol
Concen: 1.08 ng
RT: 11.67 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.1	117.1
141	38.0	29.4	44.0





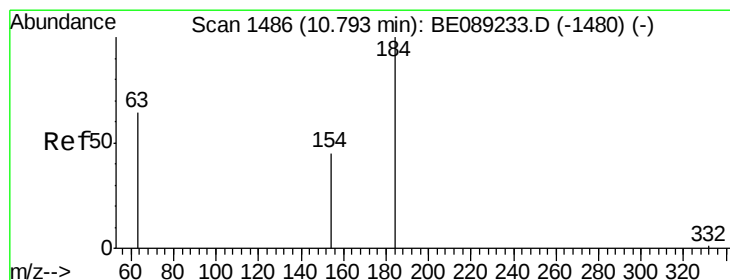
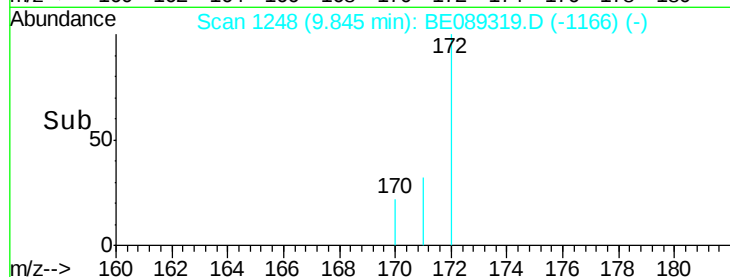
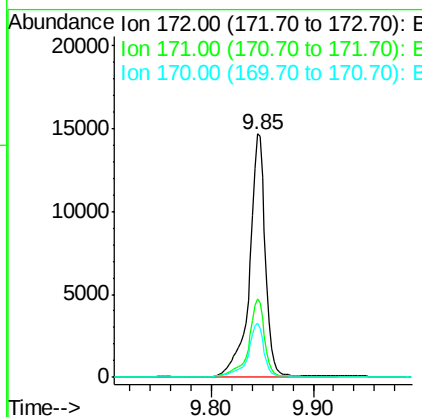
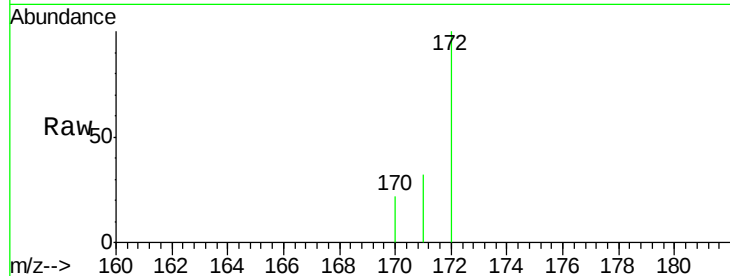
#15
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 9.85 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.3	25.5	38.3
170	22.2	16.8	25.2

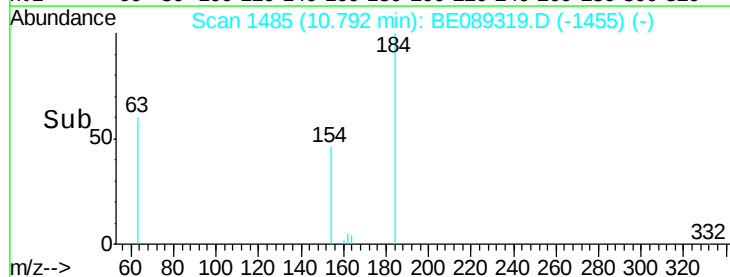
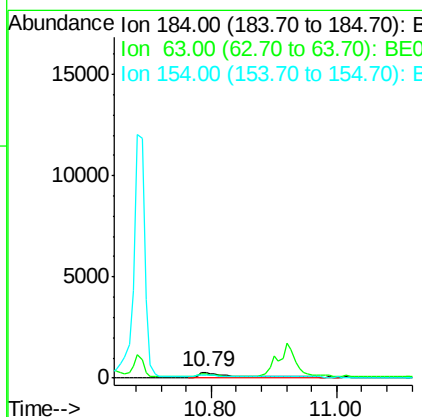
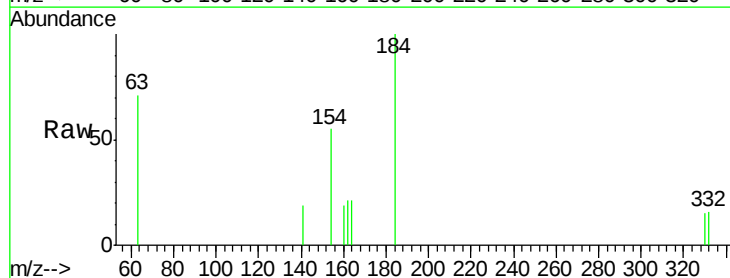
Manual Integrations
APPROVED

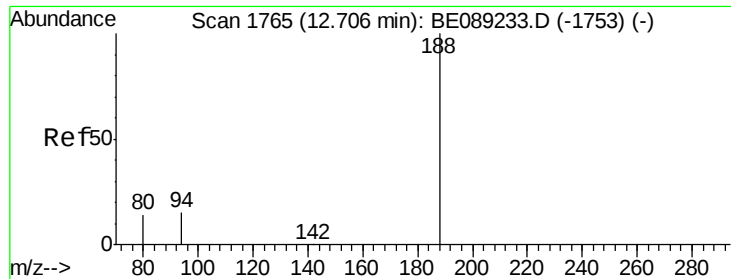
TEJASKUMAR
1/7/2015 9:23:59 AM



#16
2,4-Dinitrophenol
Concen: 1.19 ng
RT: 10.79 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	71.2	69.9	104.9
154	55.2	59.1	88.7#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.71 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

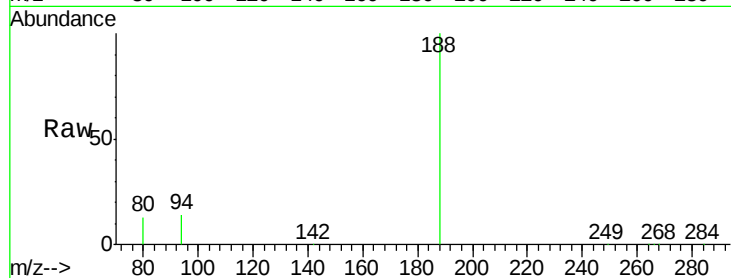
LabSampleId :

SSTDCCC001

Tgt Ion:	188	Resp:	82839
Ion Ratio	Lower	Upper	
188	100		
94	14.0	11.8	17.8
80	13.0	11.4	17.0

Manual Integrations
APPROVED

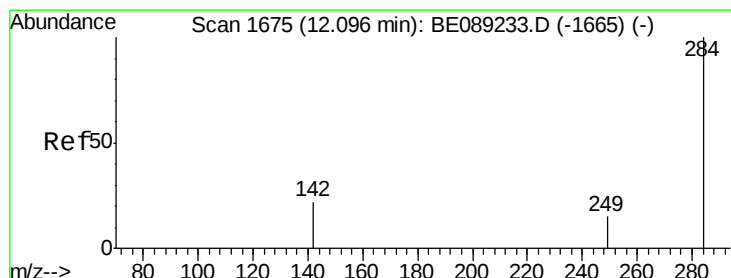
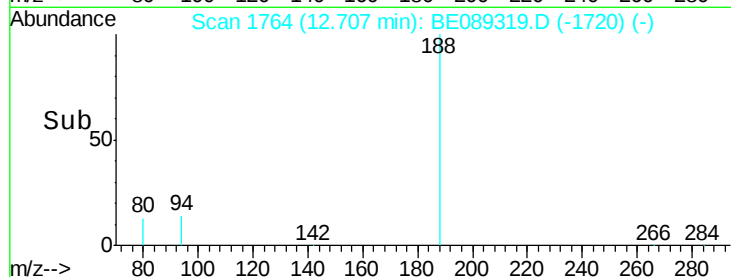
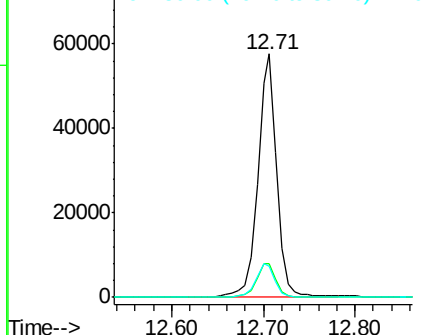
TEJASKUMAR
1/7/2015 9:23:59 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 1.09 ng

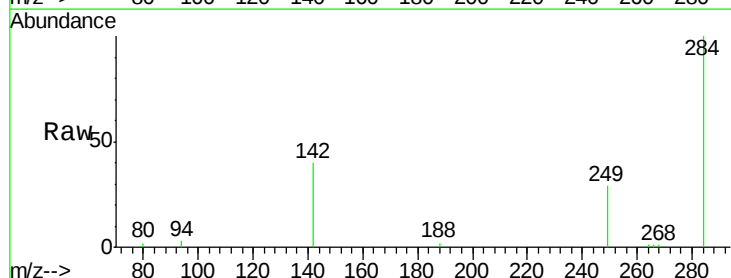
RT: 12.09 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

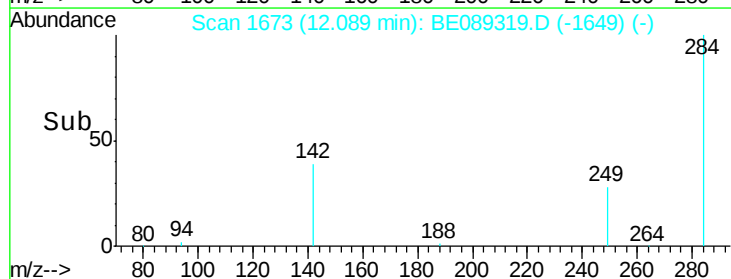
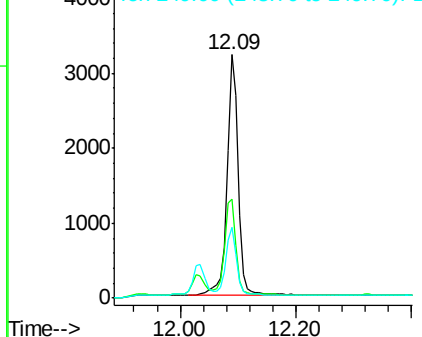
Tgt Ion:	284	Resp:	4329
Ion Ratio	Lower	Upper	
284	100		
142	40.4	23.8	35.8#
249	29.2	19.2	28.8#

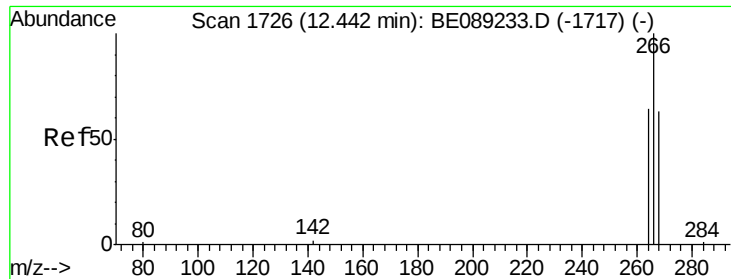


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





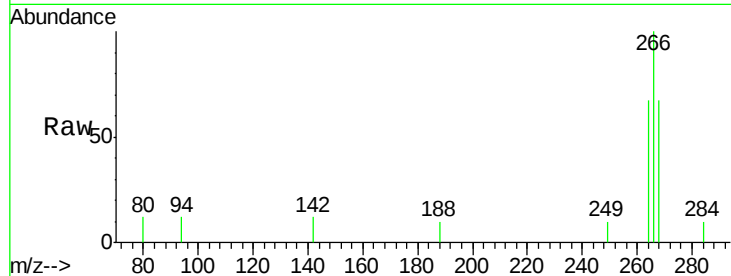
#19
 Pentachlorophenol
 Concen: 1.27 ng
 RT: 12.44 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BE089319.D
 Acq: 5 Jan 2015 18:07

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

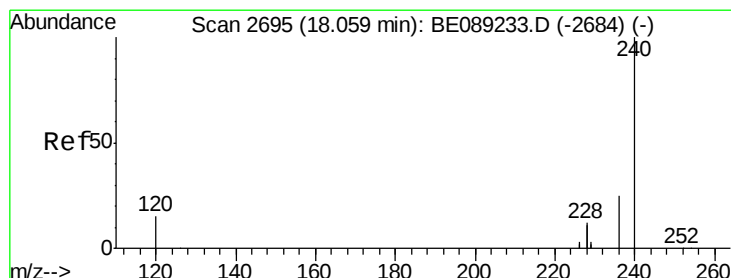
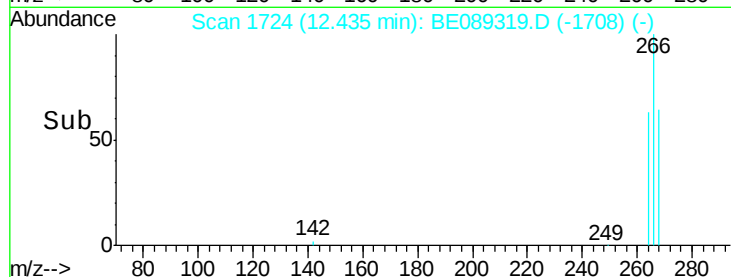
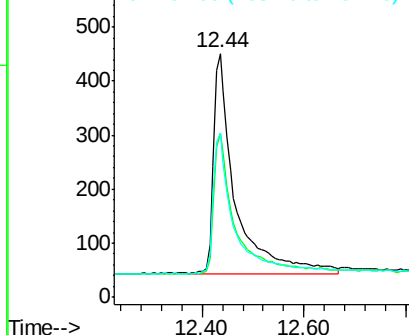
Tgt Ion:	266	Resp:	1206
Ion Ratio	Lower	Upper	
266	100		
268	67.2	55.8	83.6
264	67.2	56.5	84.7

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:23:59 AM

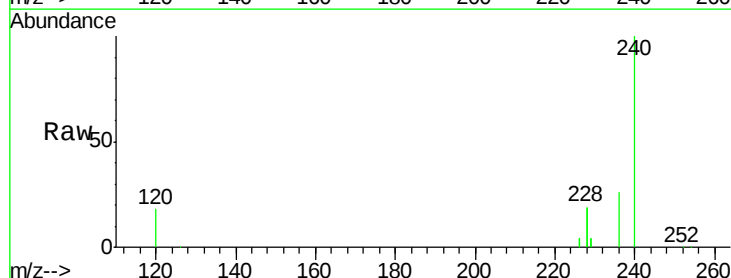


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

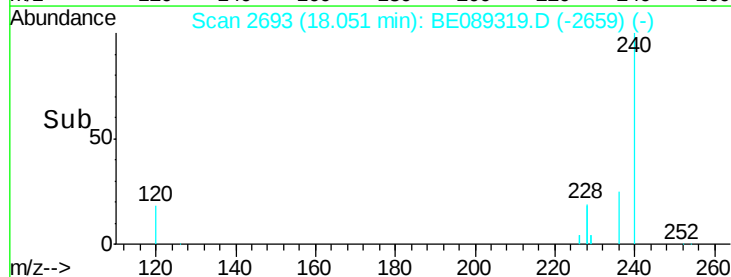
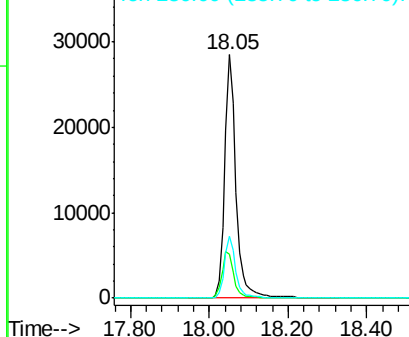


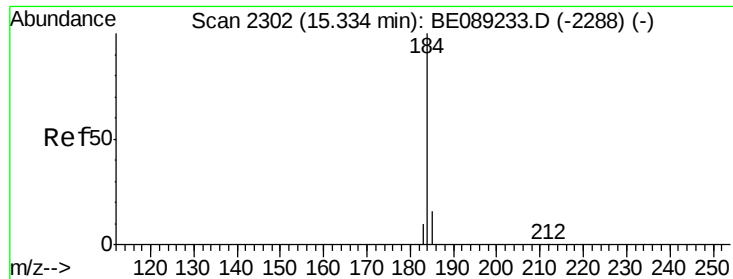
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.05 min Scan# 2693
 Delta R.T. -0.01 min
 Lab File: BE089319.D
 Acq: 5 Jan 2015 18:07

Tgt Ion:	240	Resp:	55830
Ion Ratio	Lower	Upper	
240	100		
120	18.2	12.5	18.7
236	25.5	20.2	30.2



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: 1.06 ng

RT: 15.33 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

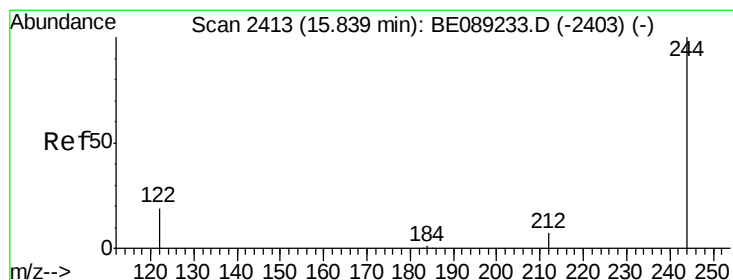
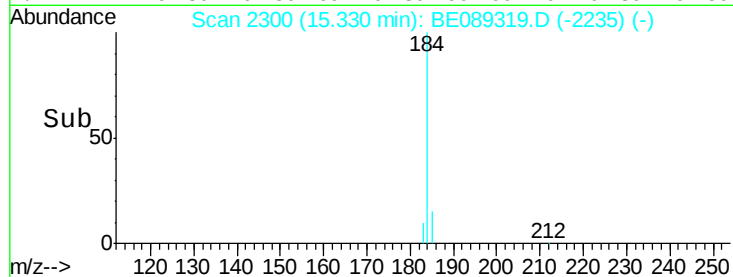
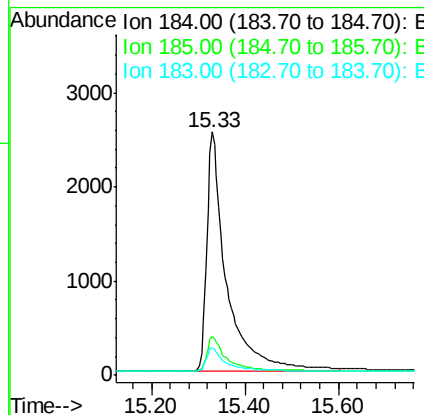
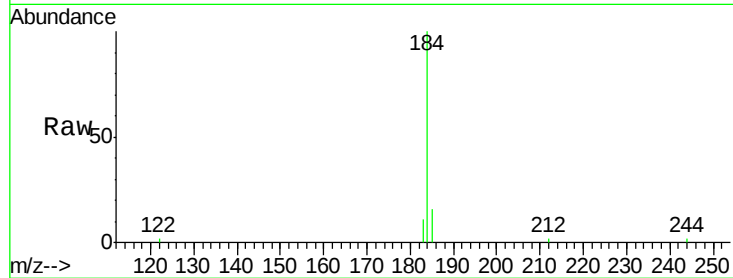
LabSampleId :

SSTDCCC001

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM

Tgt Ion:	184	Resp:	7461
Ion Ratio	Lower	Upper	
184	100		
185	16.0	14.4	21.6
183	11.5	9.6	14.4



#22

Terphenyl-d14

Concen: 0.98 ng

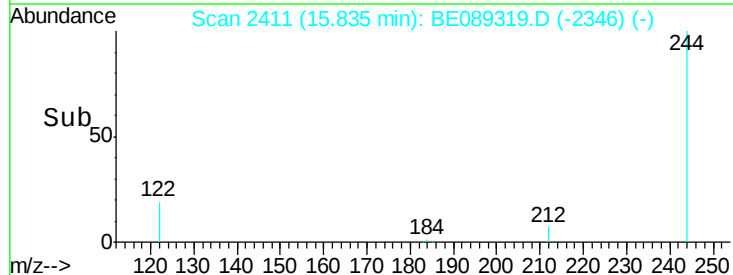
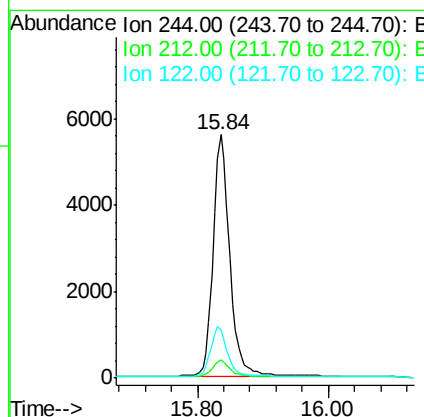
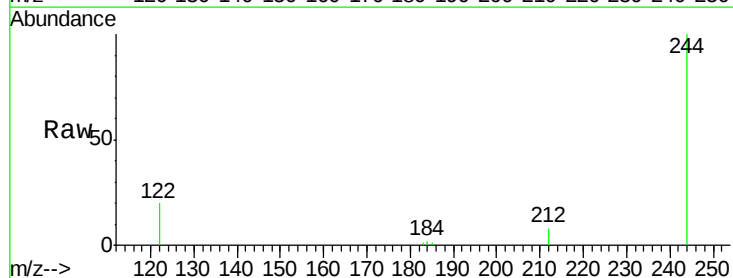
RT: 15.84 min Scan# 2411

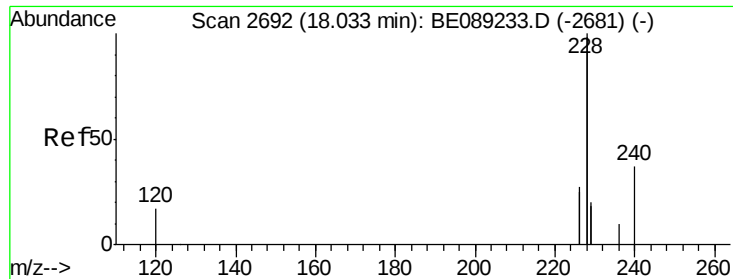
Delta R.T. -0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Tgt Ion:	244	Resp:	9752
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.4
122	19.7	16.2	24.2





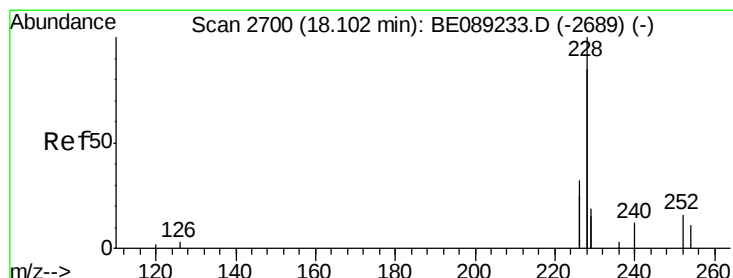
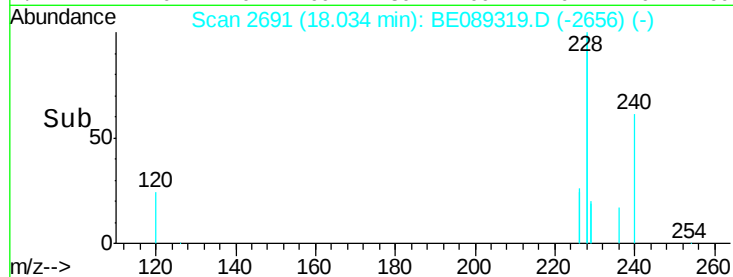
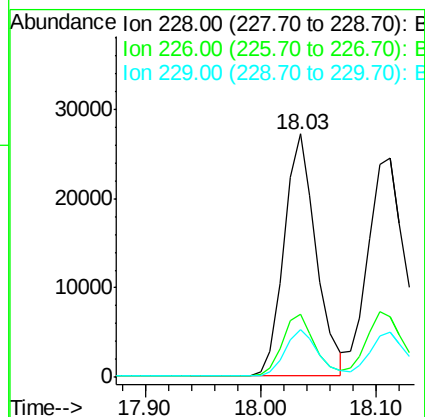
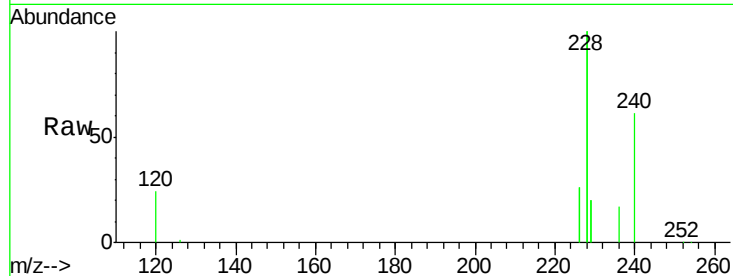
#23
Benzo(a)anthracene
Concen: 1.05 ng
RT: 18.03 min Scan# 2691
Delta R.T. 0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.4	32.0
229	19.9	16.0	24.0

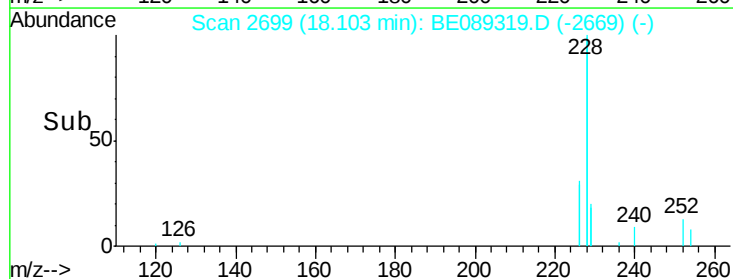
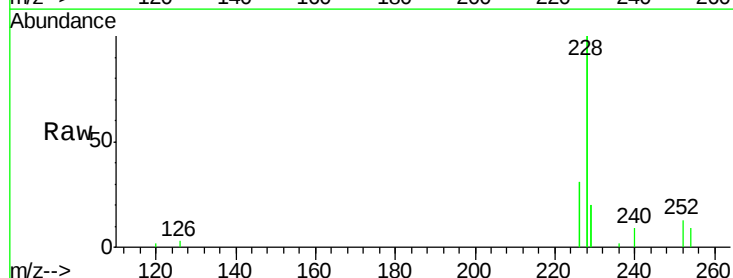
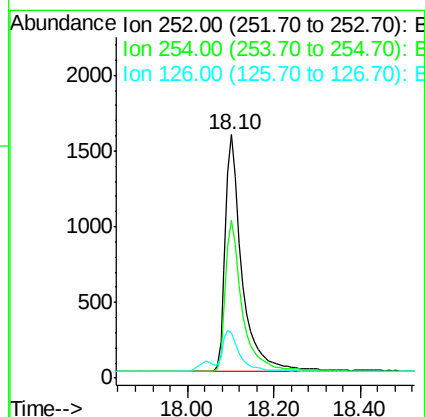
Manual Integrations
APPROVED

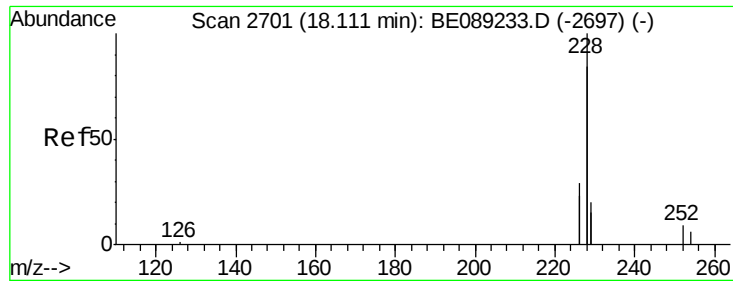
TEJASKUMAR
1/7/2015 9:23:59 AM



#24
3,3'-Dichlorobenzidine
Concen: 1.06 ng
RT: 18.10 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE089319.D
Acq: 5 Jan 2015 18:07

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	53.0	79.6
126	18.6	15.0	22.6





#25

Chrysene

Concen: 1.15 ng

RT: 18.11 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BE089319.D

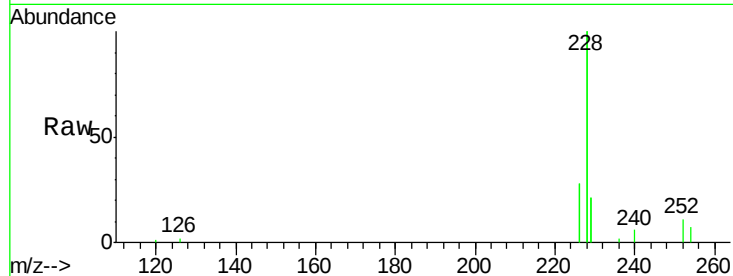
Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

LabSampleId :

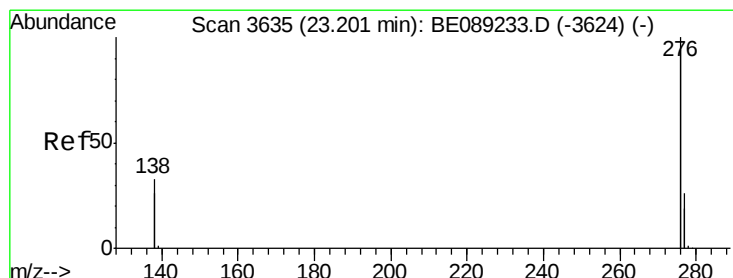
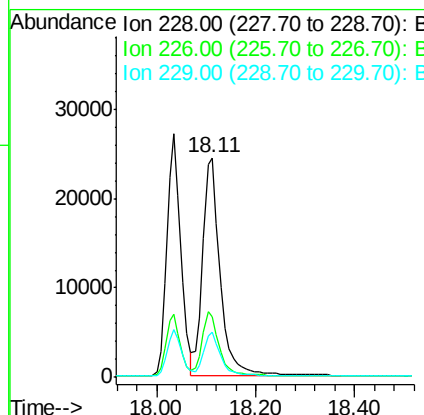
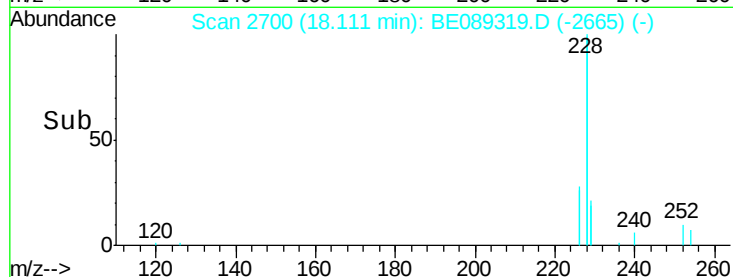
SSTDCCC001



Tgt Ion:	228	Resp:	59921
Ion Ratio	Lower	Upper	
228	100		
226	27.8	23.2	34.8
229	20.6	16.2	24.2

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM



#26

Indeno(1,2,3-cd)pyrene

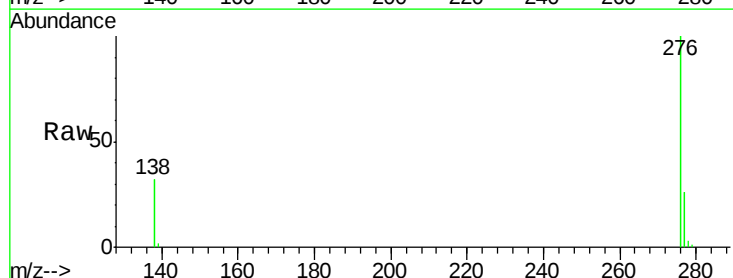
Concen: 0.95 ng m

RT: 23.20 min Scan# 3634

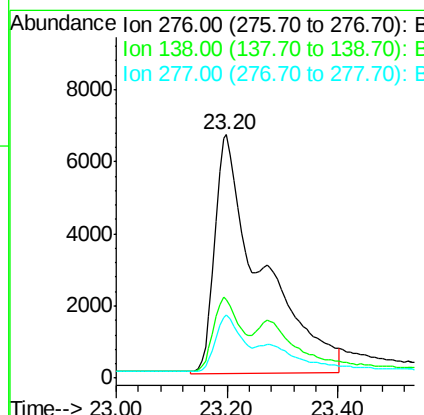
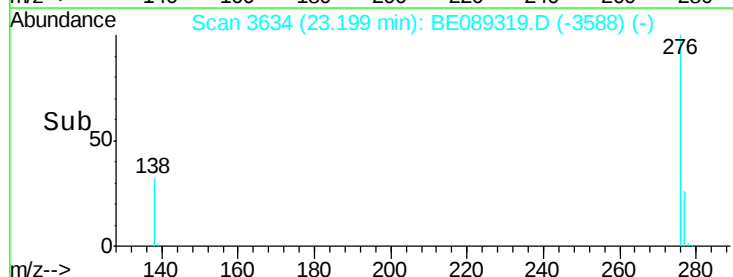
Delta R.T. -0.00 min

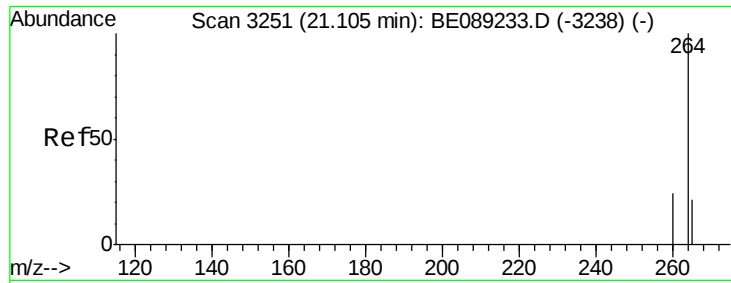
Lab File: BE089319.D

Acq: 5 Jan 2015 18:07



Tgt Ion:	276	Resp:	38635
Ion Ratio	Lower	Upper	
276	100		
138	17.8	23.4	35.2#
277	13.6	19.0	28.4#





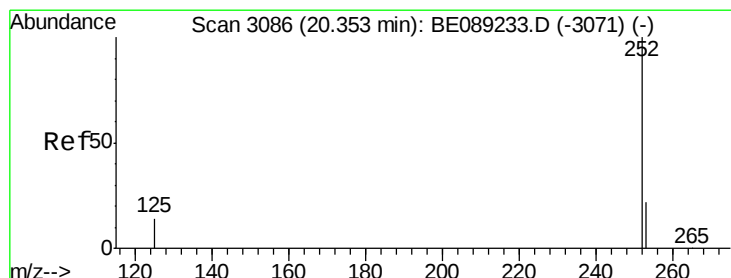
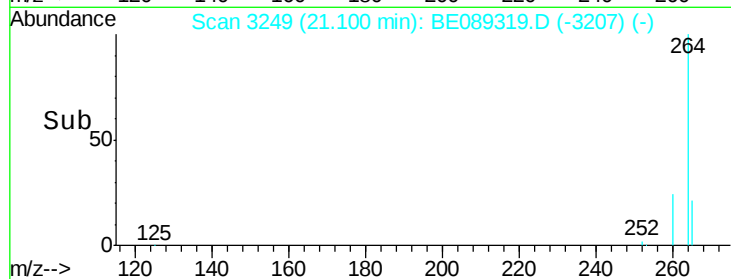
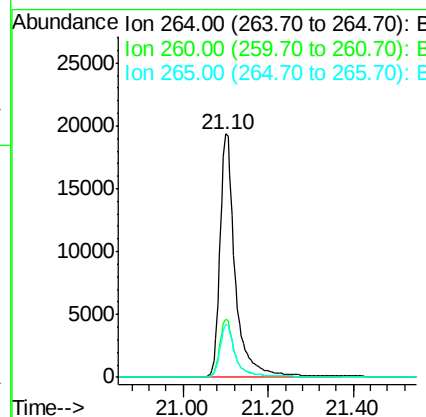
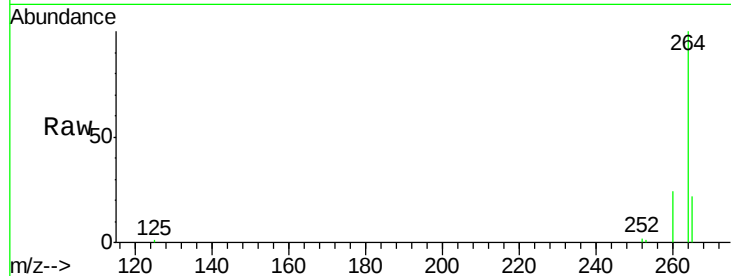
#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.10 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: BE089319.D
 Acq: 5 Jan 2015 18:07

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.5	17.1	25.7

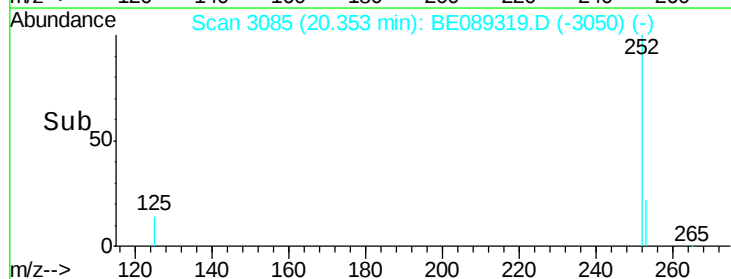
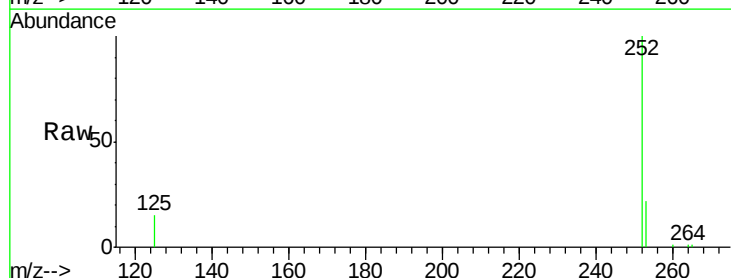
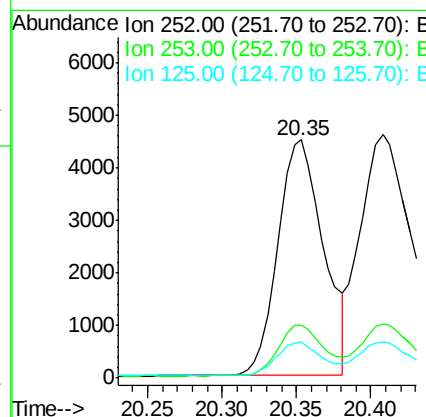
Manual Integrations
 APPROVED

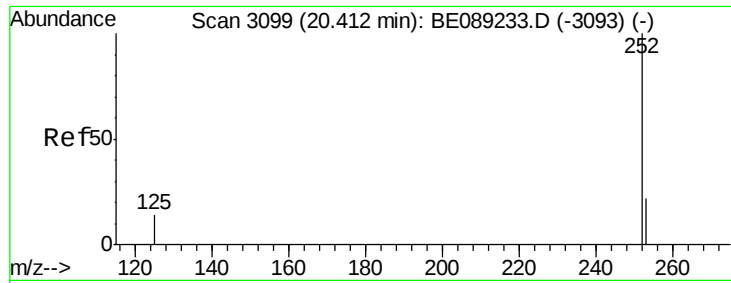
TEJASKUMAR
 1/7/2015 9:23:59 AM



#28
 Benzo(b)fluoranthene
 Concen: 1.10 ng
 RT: 20.35 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: BE089319.D
 Acq: 5 Jan 2015 18:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.2	12.2	18.4





#29

Benzo(k)fluoranthene

Concen: 1.17 ng

RT: 20.41 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BE089319.D

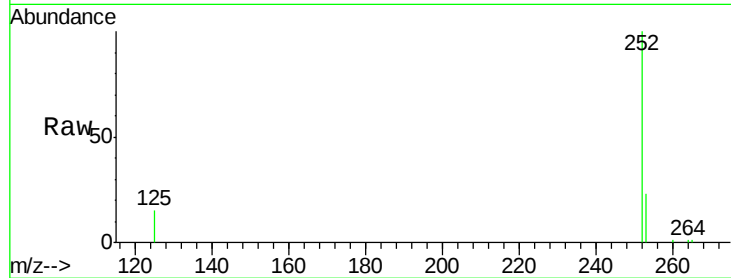
Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

LabSampleId :

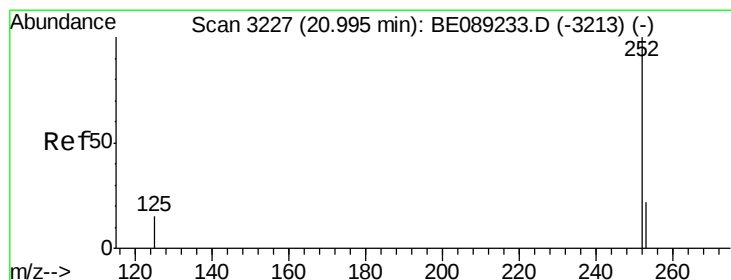
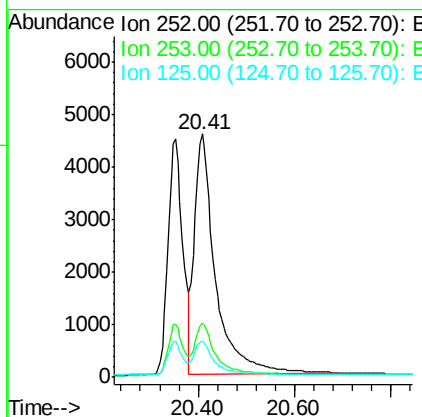
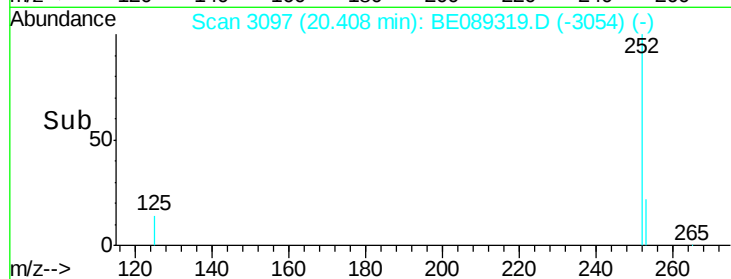
SSTDCCC001



Tgt Ion:	252	Resp:	13876
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	15.0	12.1	18.1

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM



#30

Benzo(a)pyrene

Concen: 1.05 ng

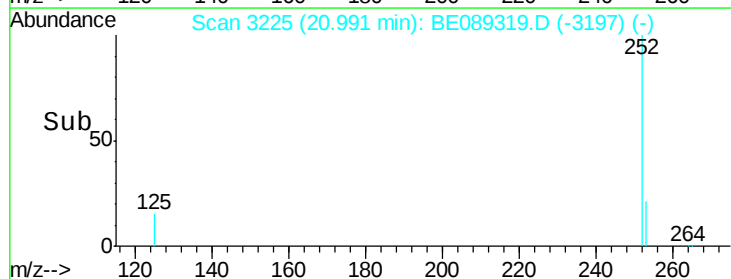
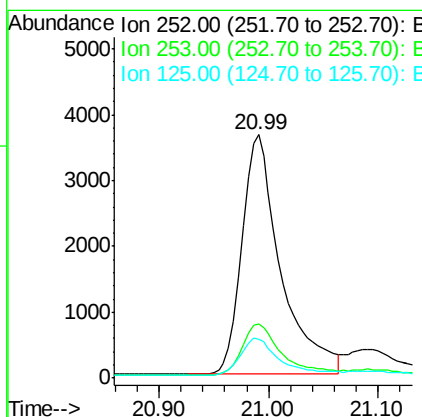
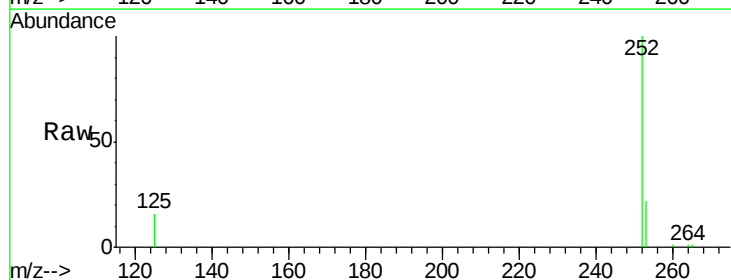
RT: 20.99 min Scan# 3225

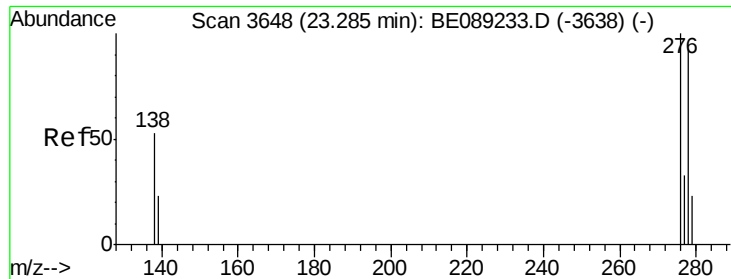
Delta R.T. -0.00 min

Lab File: BE089319.D

Acq: 5 Jan 2015 18:07

Tgt Ion:	252	Resp:	9015
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.3	27.5
125	16.1	13.5	20.3





#31

Dibenzo(a,h)anthracene

Concen: 0.96 ng

RT: 23.28 min Scan# 3647

Delta R.T. -0.00 min

Lab File: BE089319.D

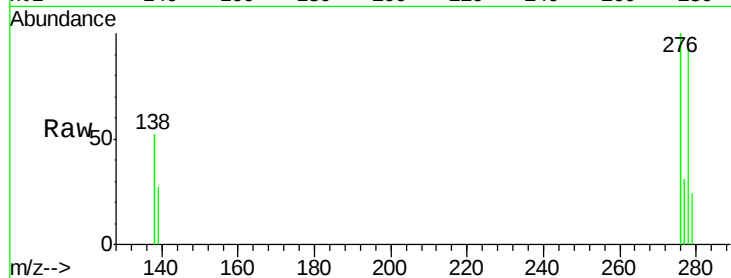
Acq: 5 Jan 2015 18:07

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 278 Resp: 7076

Ion Ratio Lower Upper

278 100

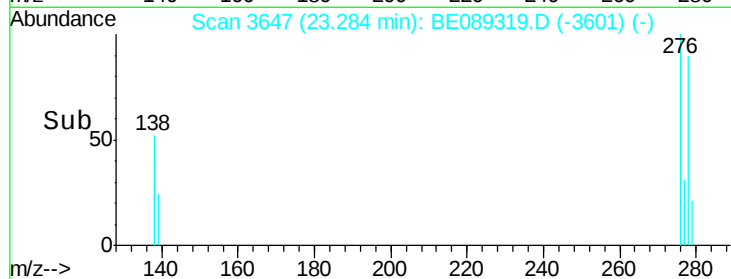
139 29.1 23.2 34.8

279 26.1 21.7 32.5

Manual Integrations

APPROVED

TEJASKUMAR
1/7/2015 9:23:59 AM



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

