

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010515\
 Data File : BE089324.D
 Acq On : 5 Jan 2015 20:57
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:23:51 AM

Quant Time: Jan 06 14:12:11 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	30382	5.00	ng	0.00
7) Naphthalene-d8	8.51	136	116267	5.00	ng	0.00
13) Acenaphthene-d10	10.66	164	52925	5.00	ng	0.00
17) Phenanthrene-d10	12.71	188	77503	5.00	ng	0.00
20) Chrysene-d12	18.06	240	55052	5.00	ng	0.00
27) Perylene-d12	21.11	264	50181	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	5.32	112	8135	1.23	ng	0.05
4) Phenol-d6	6.62	99	10729	1.08	ng	0.07
8) Nitrobenzene-d5	7.64	82	9001	1.03	ng	0.00
14) 2,4,6-Tribromophenol	11.68	330	1599	1.12	ng	0.00
15) 2-Fluorobiphenyl	9.85	172	15317	1.02	ng	0.00
22) Terphenyl-d14	15.84	244	9877	1.00	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.69	42	4908	1.24	ng	# 89
5) Phenol	6.64	94	13465m	1.13	ng	
6) bis(2-Chloroethyl)ether	6.65	93	10510	1.15	ng	# 92
9) Nitrobenzene	7.67	77	10392	1.15	ng	99
10) 2,4-Dimethylphenol	8.18	122	8109	1.20	ng	# 80
11) 2,4-Dichlorophenol	8.40	162	6790	1.20	ng	93
12) Hexachlorobutadiene	8.69	225	3482	1.09	ng	99
16) 2,4-Dinitrophenol	10.79	184	430	0.75	ng	# 75
18) Hexachlorobenzene	12.10	284	4160	1.12	ng	97
19) Pentachlorophenol	12.45	266	1228	1.39	ng	94
21) Benzidine	15.34	184	6462	0.93	ng	97
23) Benzo(a)anthracene	18.04	228	58339	1.19	ng	99
24) 3,3'-Dichlorobenzidine	18.11	252	5288	1.34	ng	98
25) Chrysene	18.12	228	57920	1.12	ng	98
26) Indeno(1,2,3-cd)pyrene	23.20	276	55069m	1.37	ng	
28) Benzo(b)fluoranthene	20.36	252	12459	1.33	ng	100
29) Benzo(k)fluoranthene	20.42	252	14275	1.12	ng	100
30) Benzo(a)pyrene	21.00	252	12330	1.34	ng	99
31) Dibenzo(a,h)anthracene	23.29	278	10906	1.39	ng	97

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

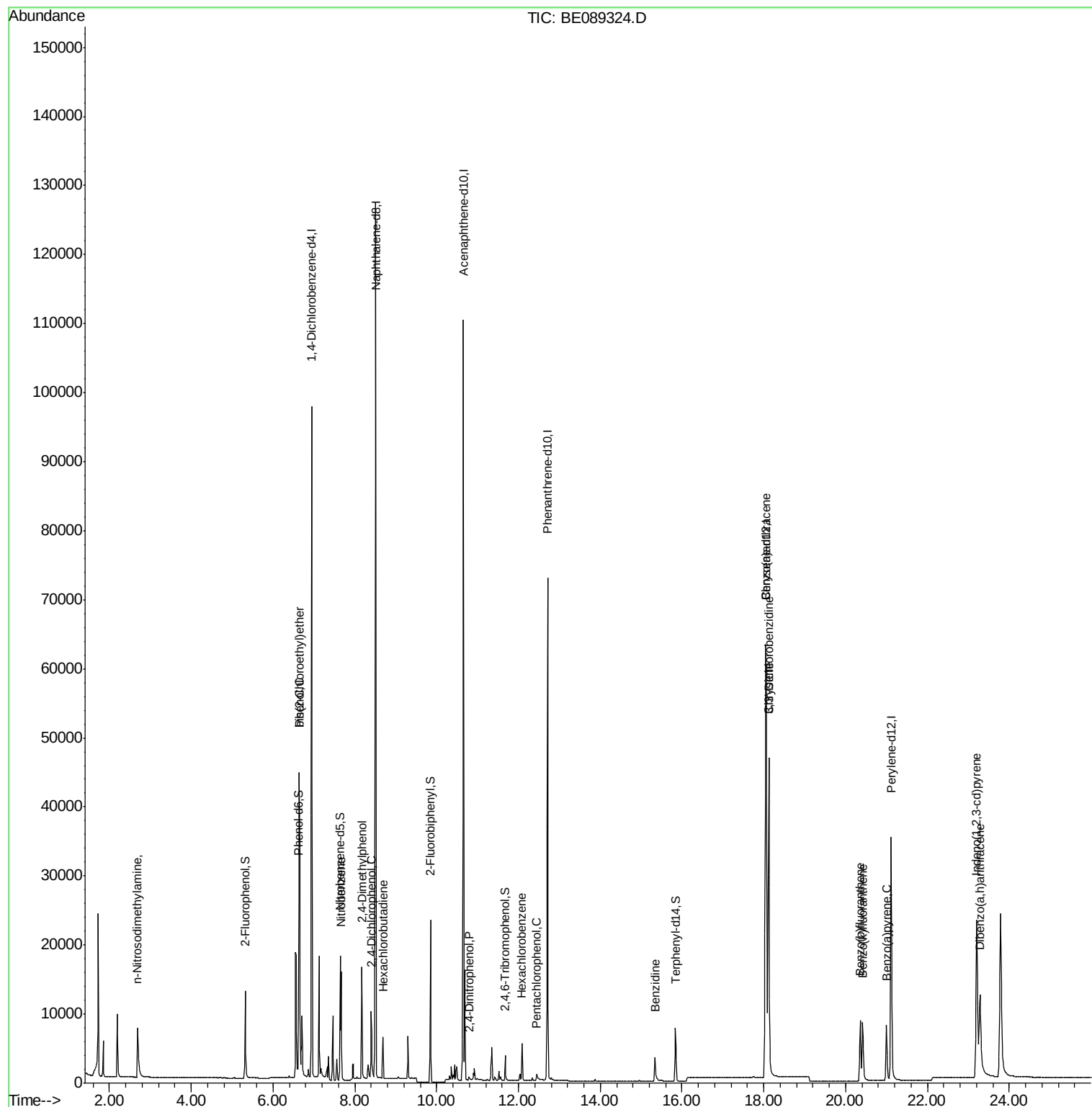
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010515\
Data File : BE089324.D
Acq On : 5 Jan 2015 20:57
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

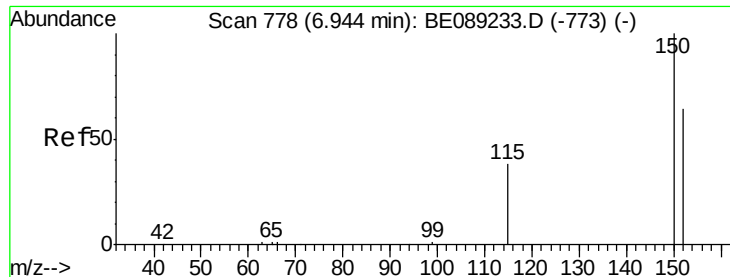
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM

Quant Time: Jan 06 14:12:11 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: BE089324.D

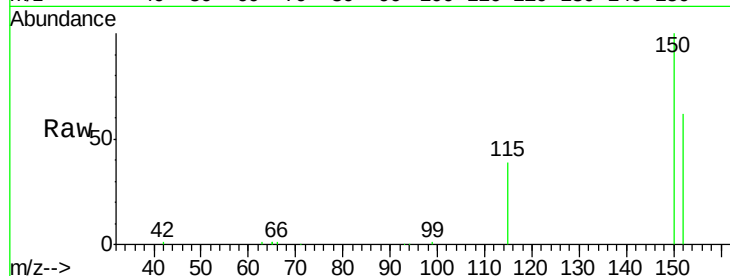
Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 30382

Ion Ratio Lower Upper

152 100

150 162.5 125.5 188.3

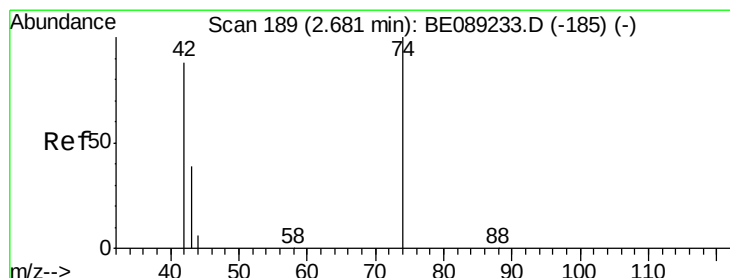
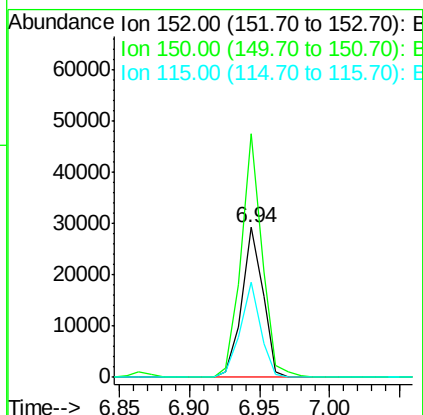
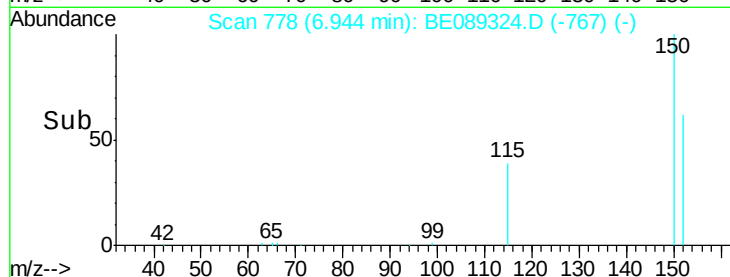
115 63.4 47.4 71.2

Manual Integrations

APPROVED

TEJASKUMAR

1/7/2015 9:23:51 AM



#2

n-Nitrosodimethylamine

Concen: 1.24 ng

RT: 2.69 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

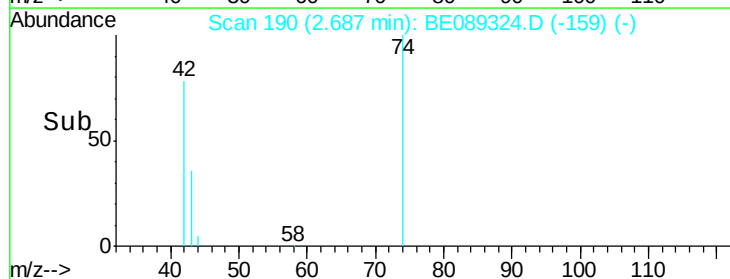
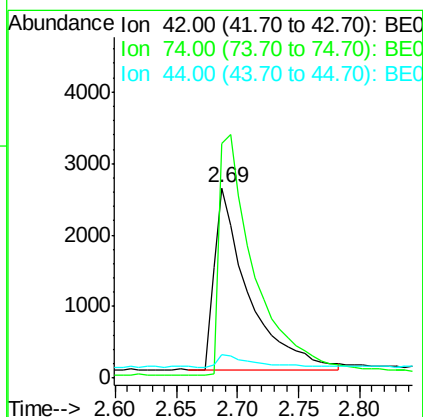
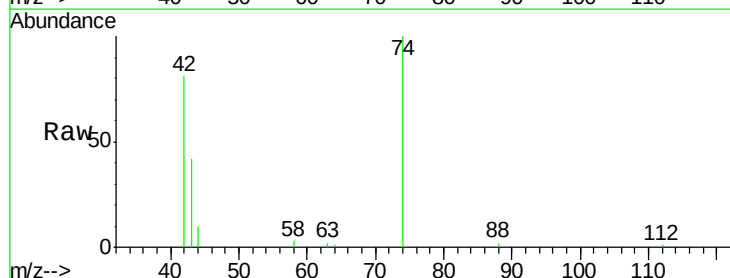
Tgt Ion: 42 Resp: 4908

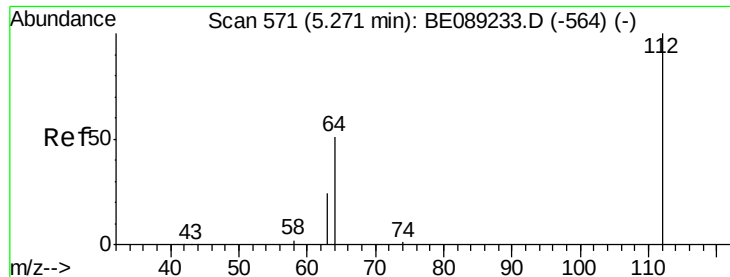
Ion Ratio Lower Upper

42 100

74 123.9 89.7 134.5

44 12.3 14.2 21.2#





#3

2-Fluorophenol

Concen: 1.23 ng

RT: 5.32 min Scan# 578

Delta R.T. 0.05 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

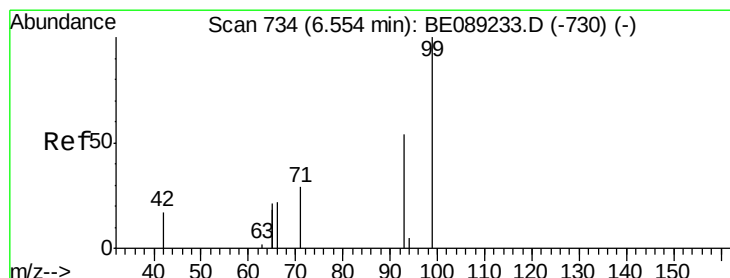
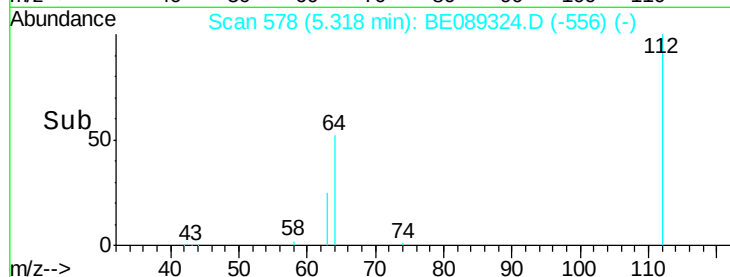
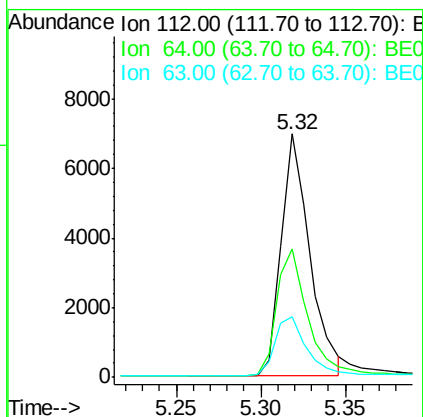
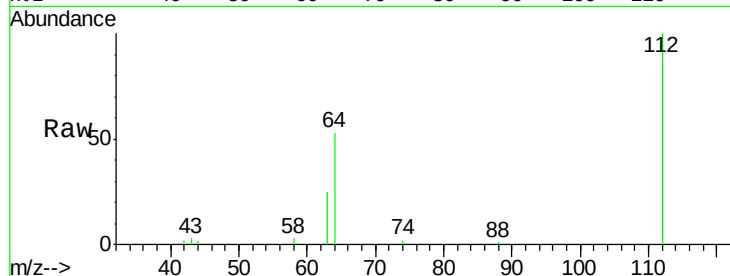
LabSampleId :

SSTDCCC001

Tgt Ion:	112	Resp:	8135
Ion Ratio	Lower	Upper	
112	100		
64	52.7	45.4	68.0
63	25.1	23.6	35.4

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM



#4

Phenol-d6

Concen: 1.08 ng

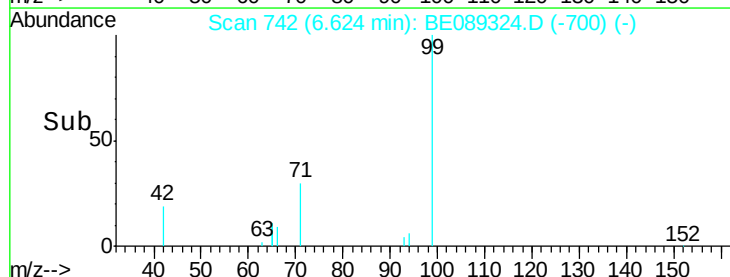
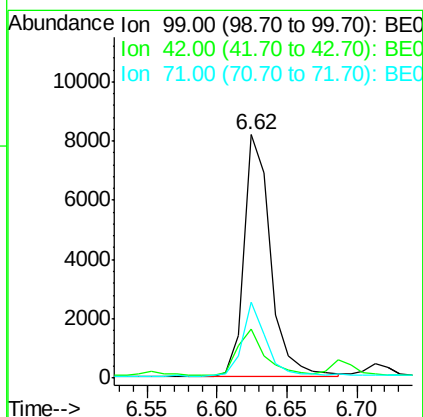
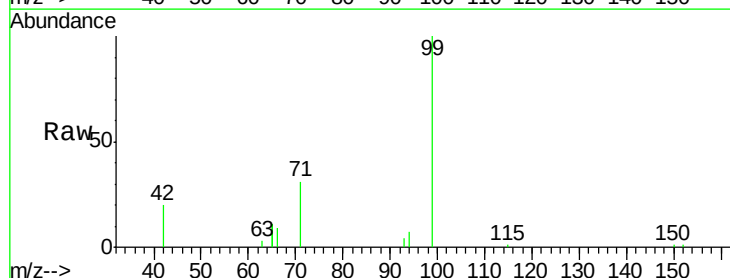
RT: 6.62 min Scan# 742

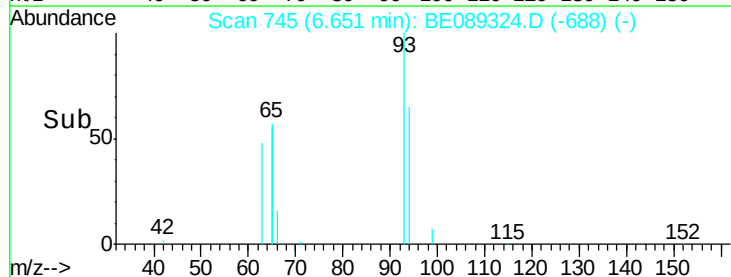
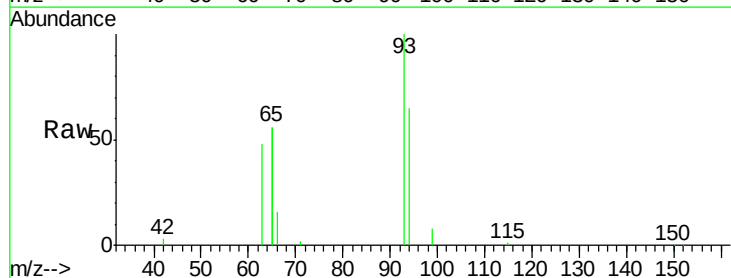
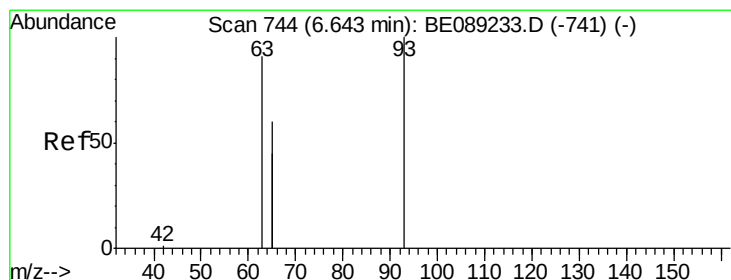
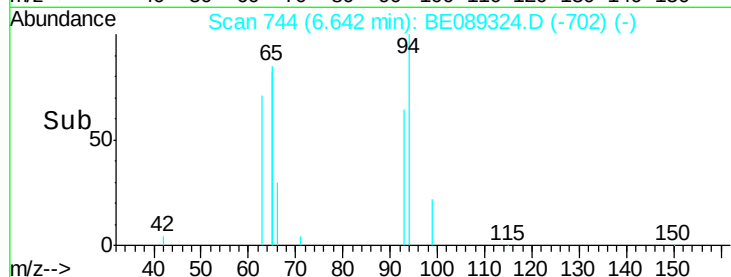
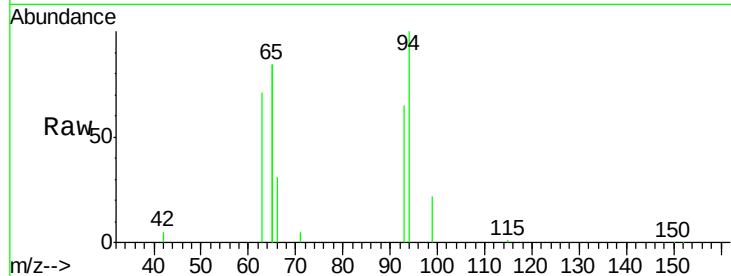
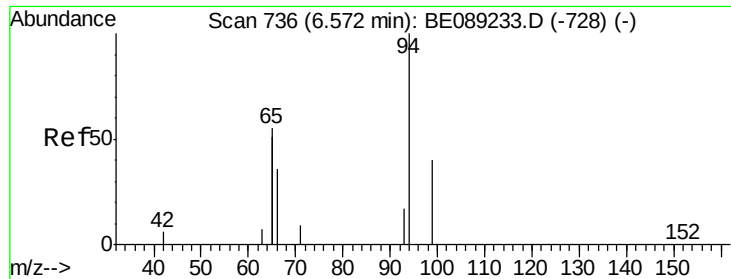
Delta R.T. 0.07 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Tgt Ion:	99	Resp:	10729
Ion Ratio	Lower	Upper	
99	100		
42	20.0	14.6	22.0
71	31.0	23.5	35.3





#5

Phenol

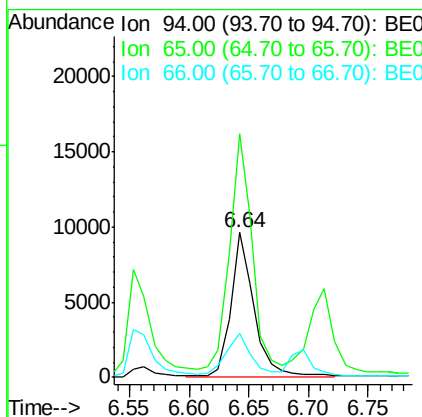
Concen: 1.13 ng m
RT: 6.64 min Scan# 744
Delta R.T. 0.07 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	13465		
65	84.2	88.8	128.8#	
66	30.6	16.9	56.9	

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM

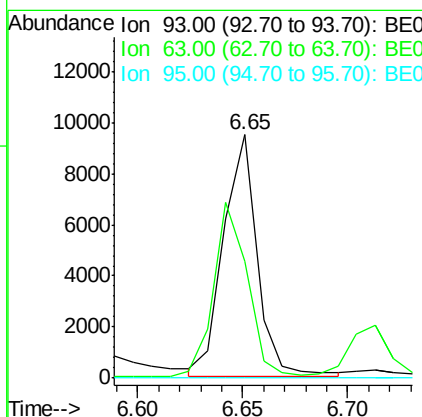


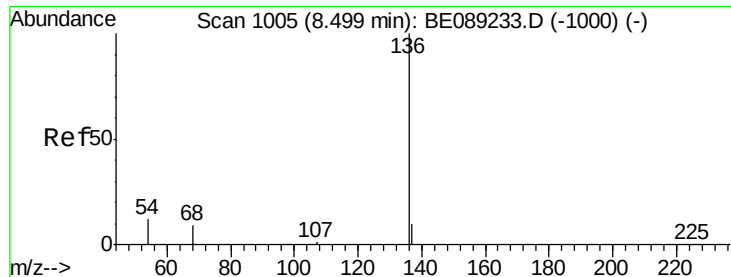
#6

bis(2-Chloroethyl)ether

Concen: 1.15 ng
RT: 6.65 min Scan# 745
Delta R.T. 0.01 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	10510		
63	72.3	52.8	79.2	
95	0.0	0.0	0.0	





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

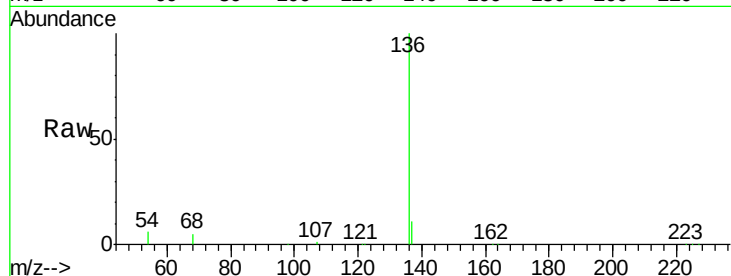
LabSampleId :

SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.1	8.4	12.6
54	5.5	9.4	14.2#

Manual Integrations
APPROVED

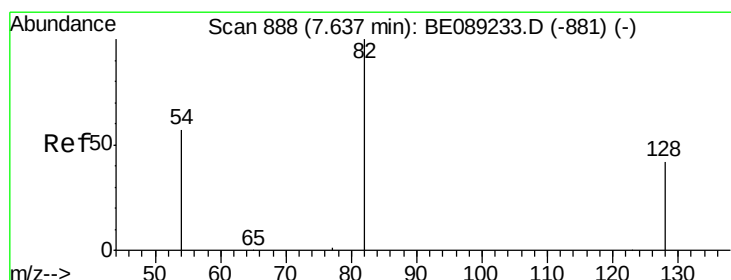
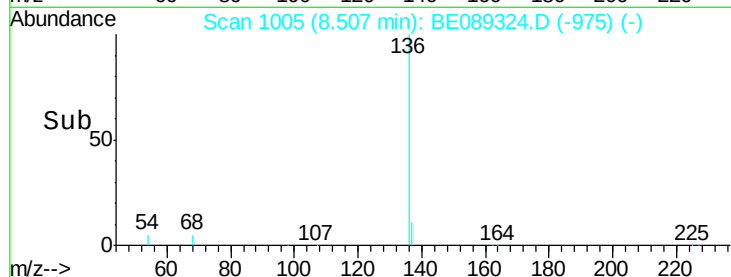
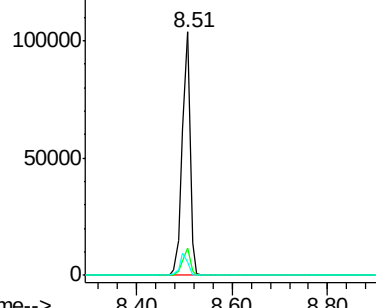
TEJASKUMAR
1/7/2015 9:23:51 AM



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



#8

Nitrobenzene-d5

Concen: 1.03 ng

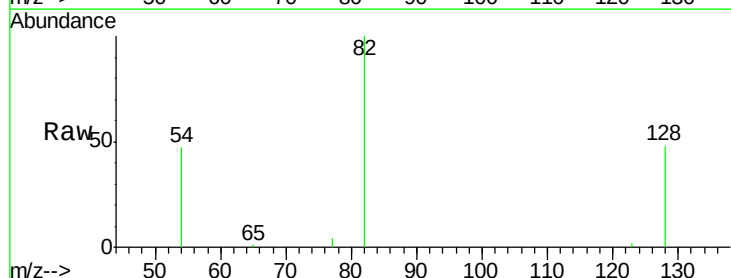
RT: 7.64 min Scan# 889

Delta R.T. 0.00 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

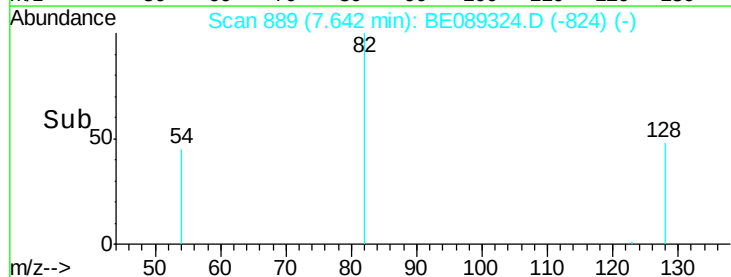
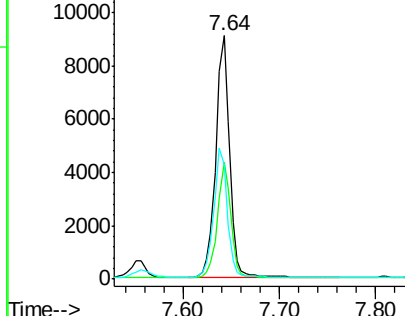
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.9	34.1	51.1
54	47.2	45.6	68.4

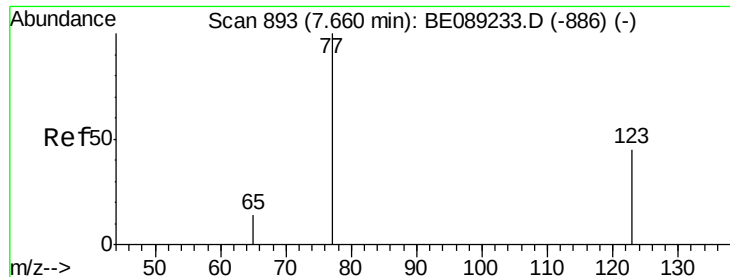


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.15 ng

RT: 7.67 min Scan# 894

Delta R.T. 0.00 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

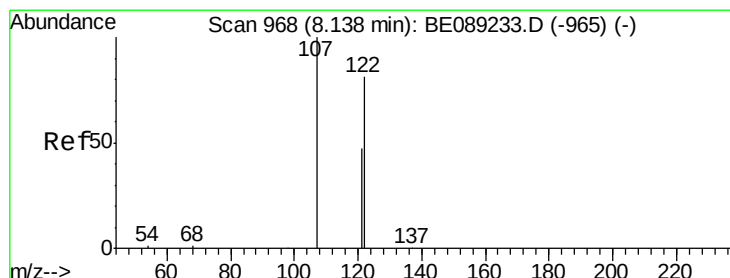
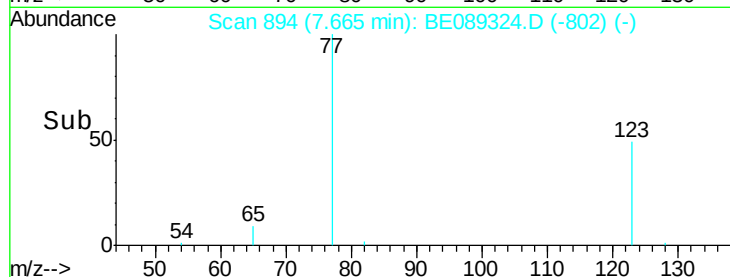
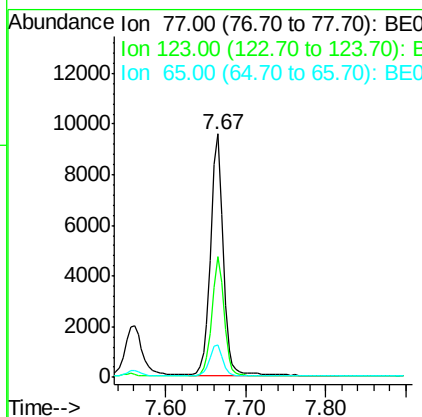
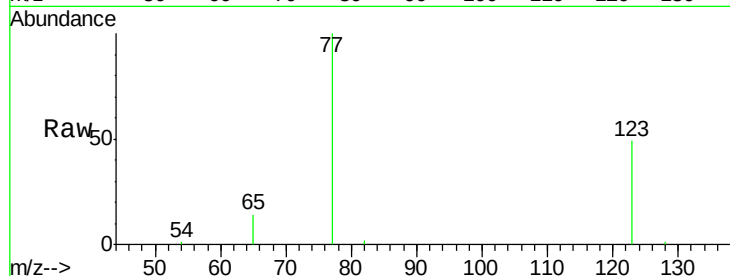
LabSampleId :

SSTDCCC001

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM

Tgt Ion:	77	Resp:	10392
Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.8	56.8
65	13.1	10.5	15.7



#10

2,4-Dimethylphenol

Concen: 1.20 ng

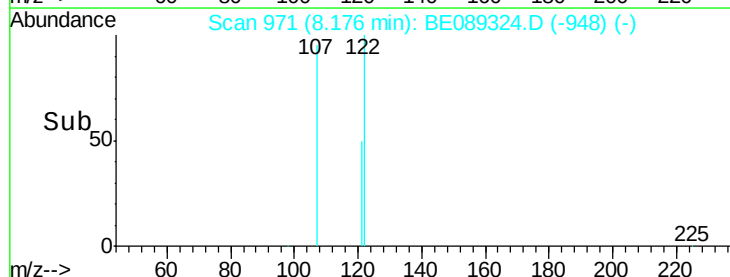
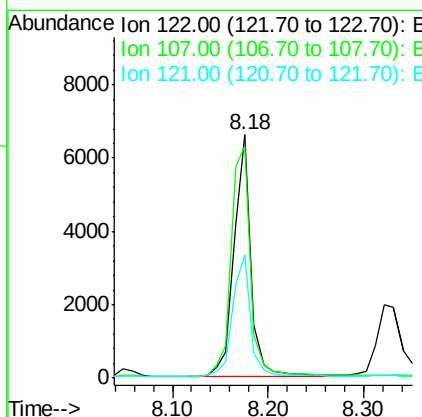
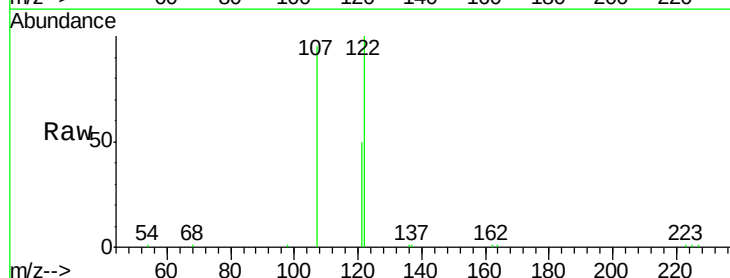
RT: 8.18 min Scan# 971

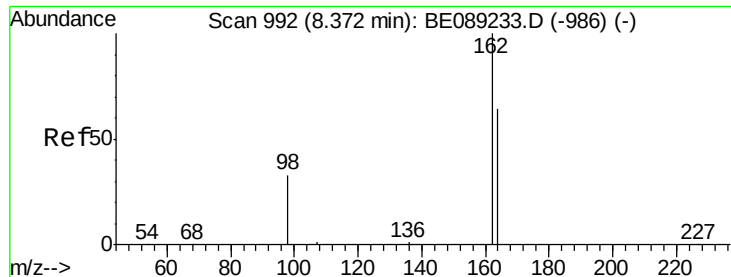
Delta R.T. 0.04 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Tgt Ion:	122	Resp:	8109
Ion	Ratio	Lower	Upper
122	100		
107	95.4	98.1	147.1#
121	50.4	46.6	70.0





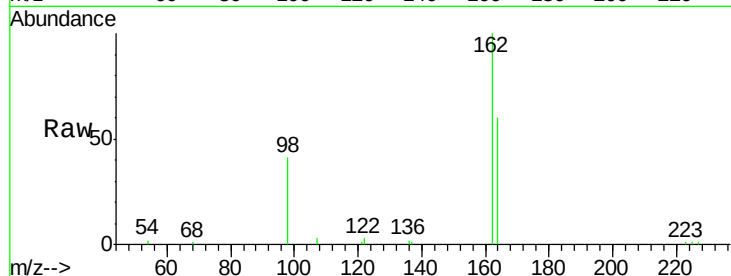
#11
2,4-Dichlorophenol
Concen: 1.20 ng
RT: 8.40 min Scan# 994
Delta R.T. 0.03 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

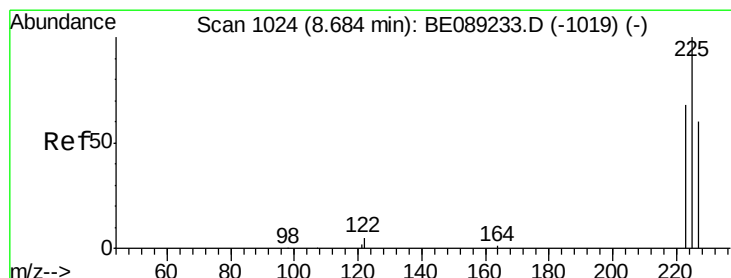
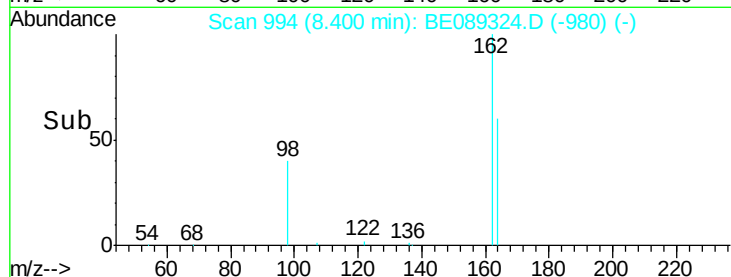
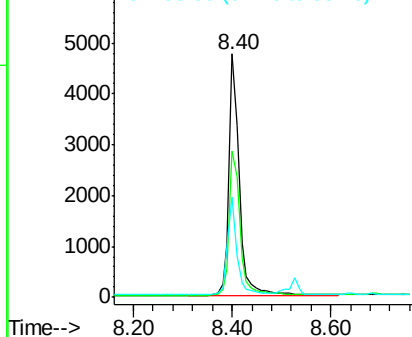
Tgt Ion	Ratio	Lower	Upper
162	100		
164	60.1	44.3	84.3
98	41.0	14.6	54.6

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM



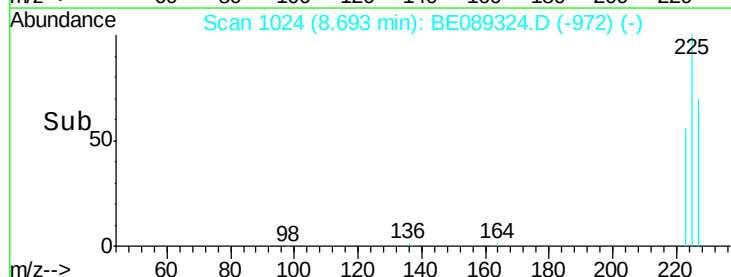
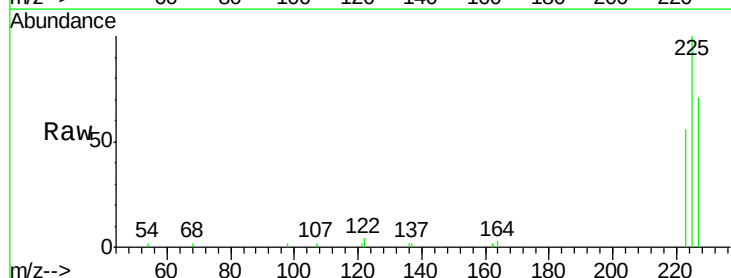
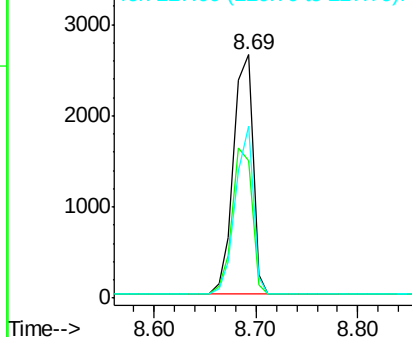
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

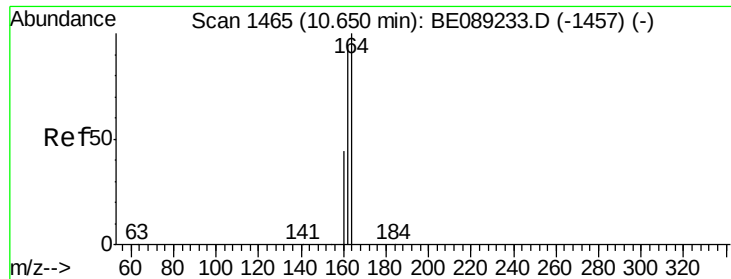


#12
Hexachlorobutadiene
Concen: 1.09 ng
RT: 8.69 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.4	75.6
227	64.3	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





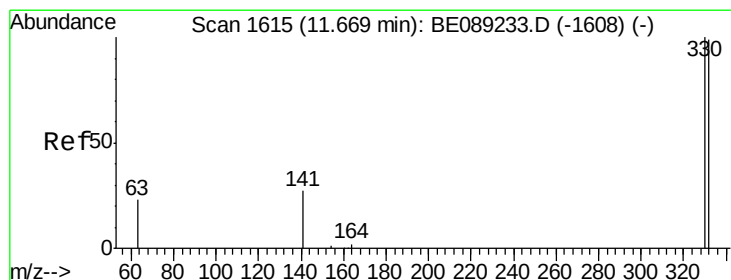
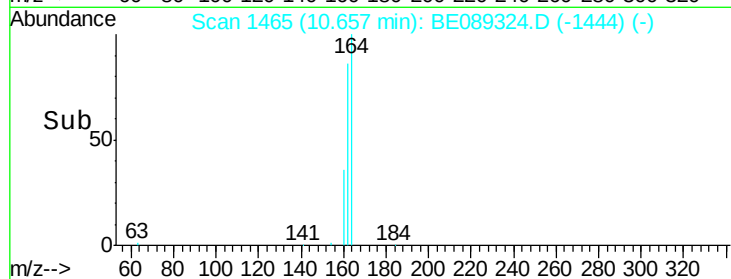
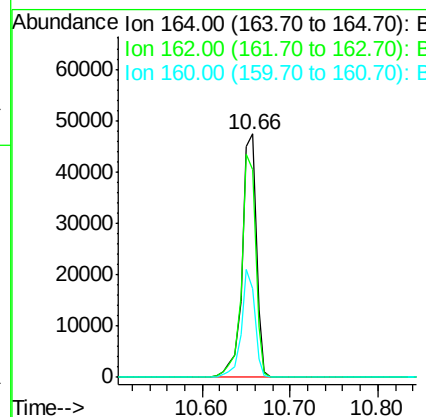
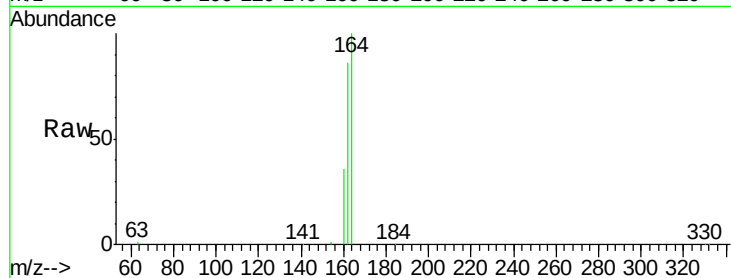
#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 10.66 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BE089324.D
 Acq: 5 Jan 2015 20:57

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
164	100		
162	85.6	75.4	113.0
160	36.2	35.6	53.4

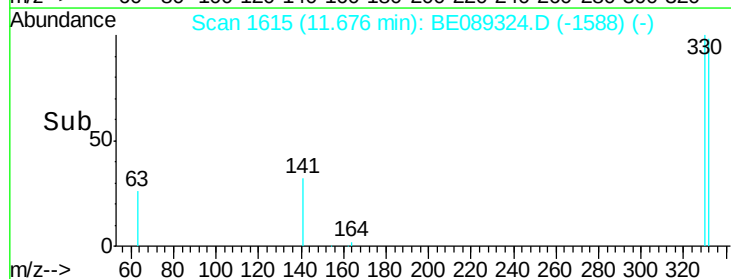
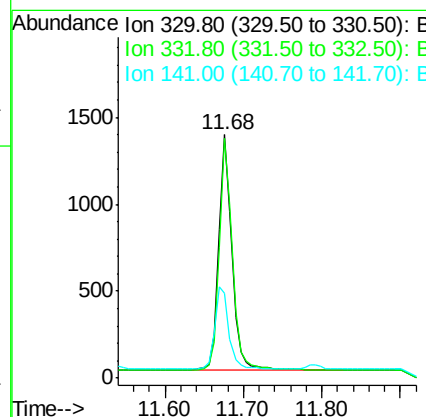
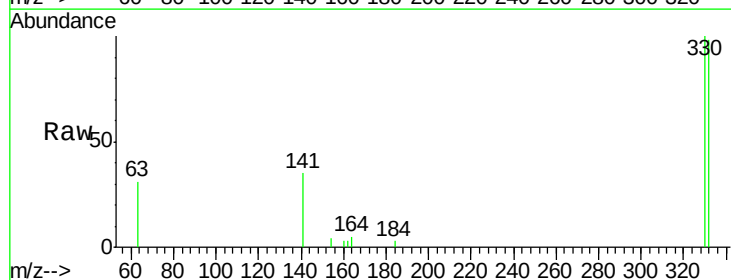
Manual Integrations
 APPROVED

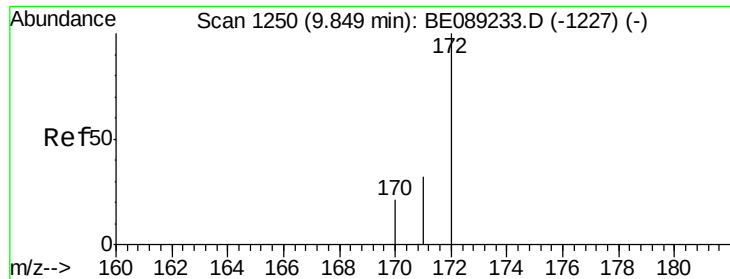
TEJASKUMAR
 1/7/2015 9:23:51 AM



#14
 2,4,6-Tribromophenol
 Concen: 1.12 ng
 RT: 11.68 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BE089324.D
 Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.1	117.1
141	37.2	29.4	44.0





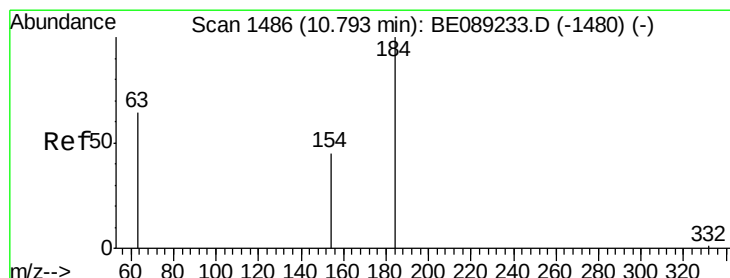
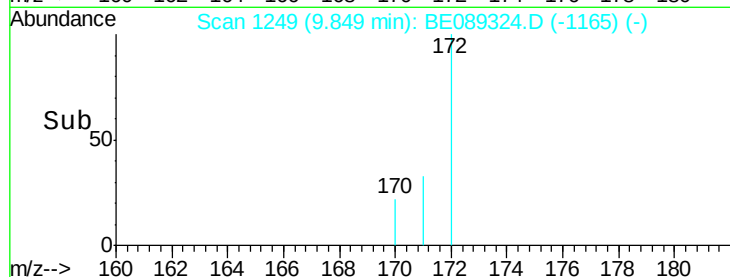
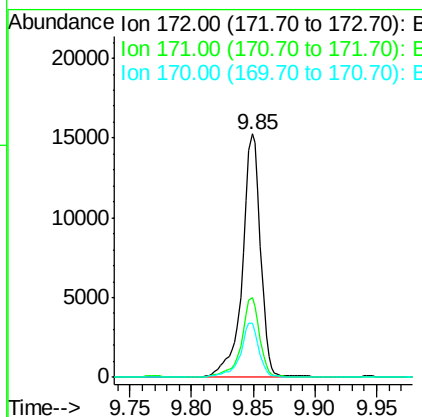
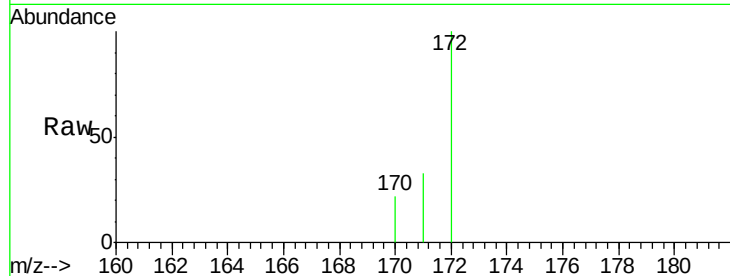
#15
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 9.85 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	25.5	38.3
170	22.1	16.8	25.2

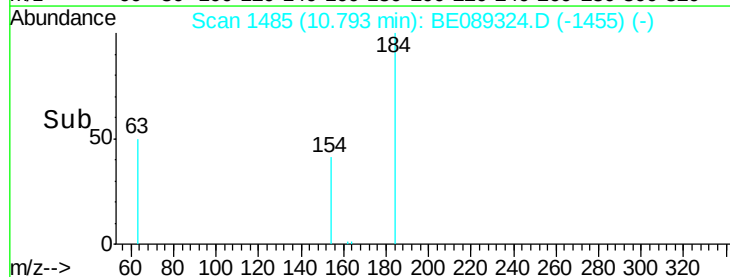
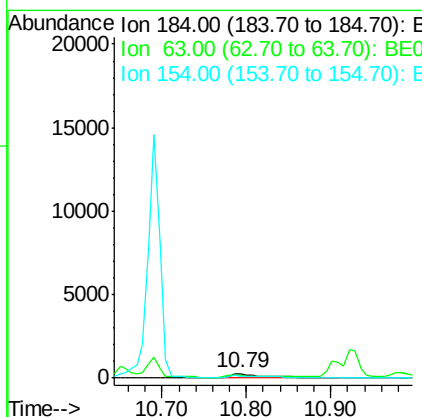
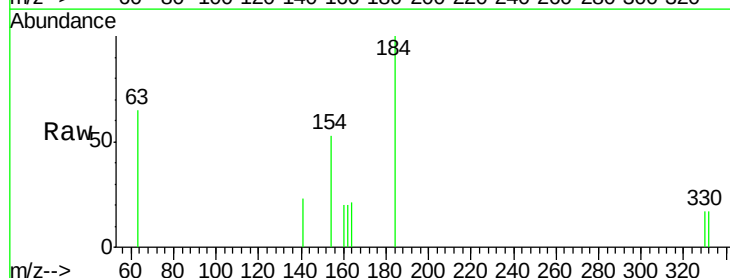
Manual Integrations
APPROVED

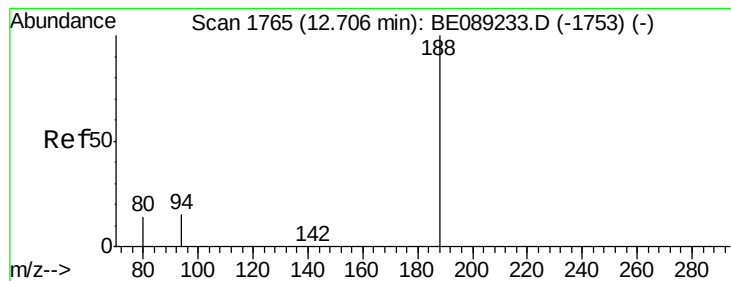
TEJASKUMAR
1/7/2015 9:23:51 AM



#16
2,4-Dinitrophenol
Concen: 0.75 ng
RT: 10.79 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.0	69.9	104.9#
154	52.5	59.1	88.7#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.71 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BE089324.D

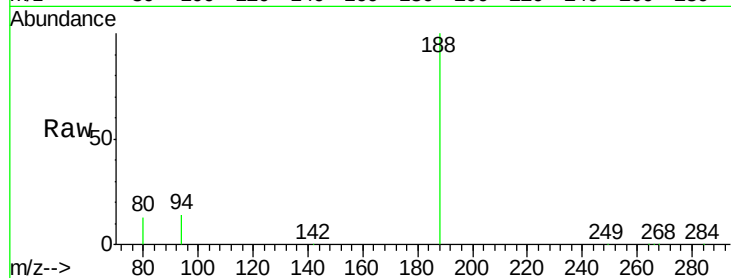
Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

LabSampleId :

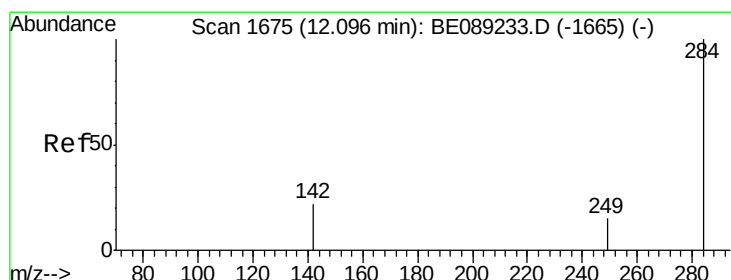
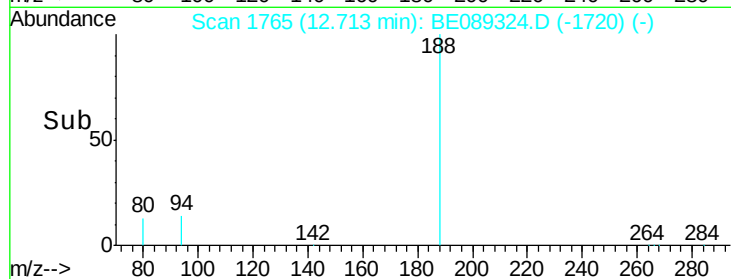
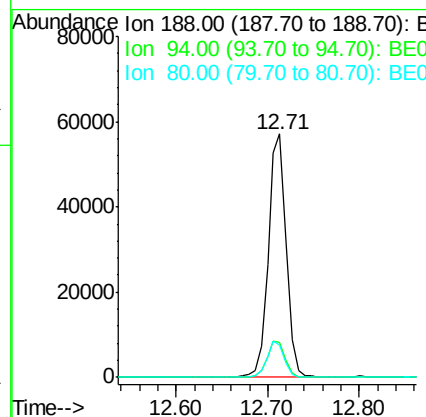
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.3	11.8	17.8
80	13.1	11.4	17.0

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM



#18

Hexachlorobenzene

Concen: 1.12 ng

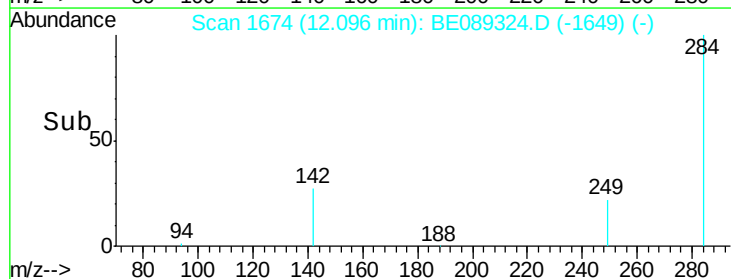
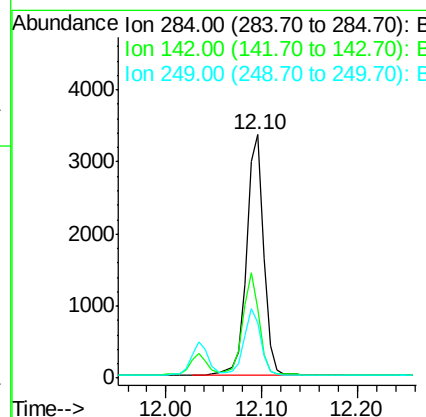
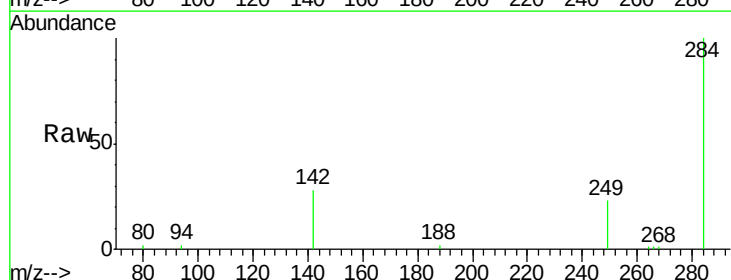
RT: 12.10 min Scan# 1674

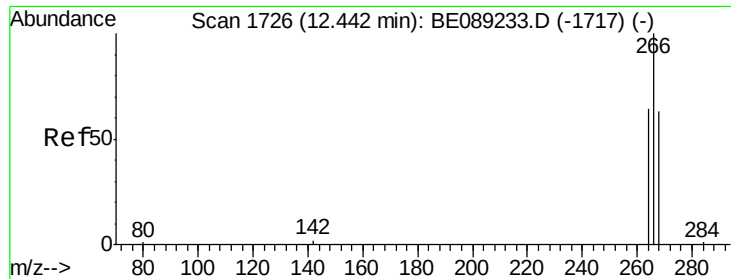
Delta R.T. 0.00 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.4	23.8	35.8
249	22.6	19.2	28.8





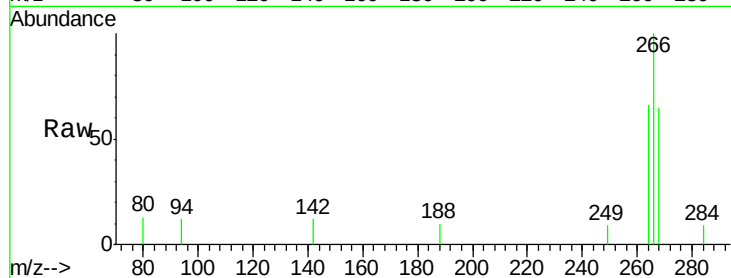
#19
 Pentachlorophenol
 Concen: 1.39 ng
 RT: 12.45 min Scan# 1726
 Delta R.T. 0.01 min
 Lab File: BE089324.D
 Acq: 5 Jan 2015 20:57

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

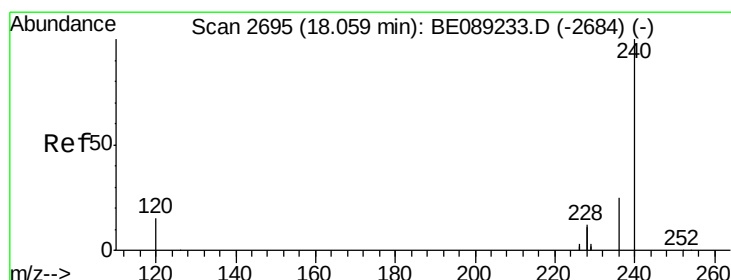
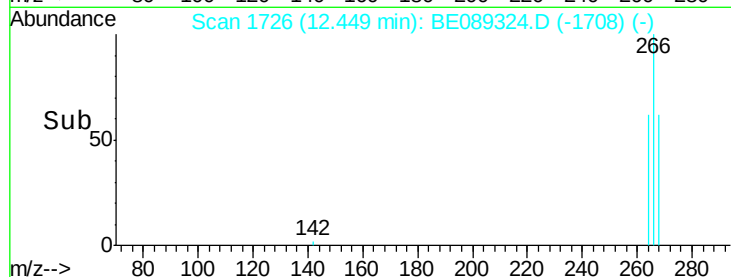
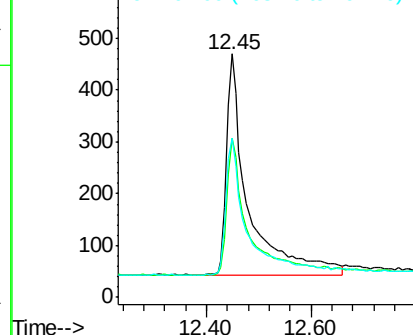
Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.3	55.8	83.6
264	65.5	56.5	84.7

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:23:51 AM

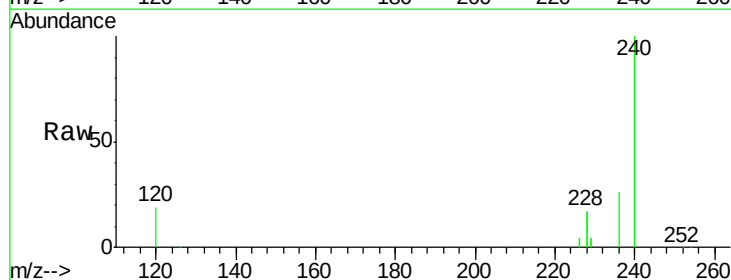


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

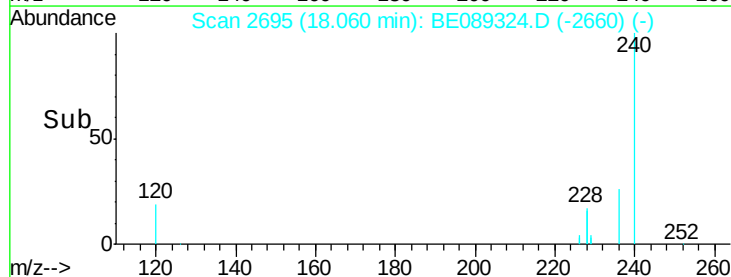
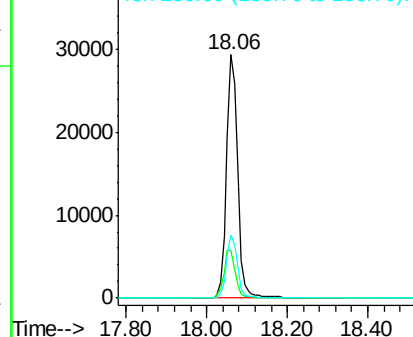


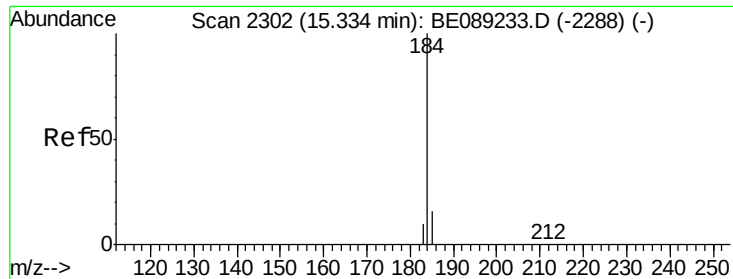
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.06 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: BE089324.D
 Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.5	12.5	18.7#
236	25.9	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: 0.93 ng

RT: 15.34 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BE089324.D

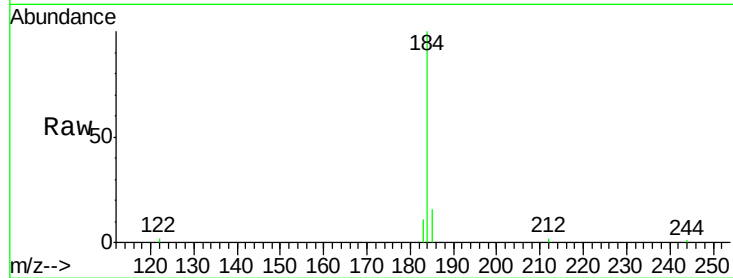
Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

LabSampleId :

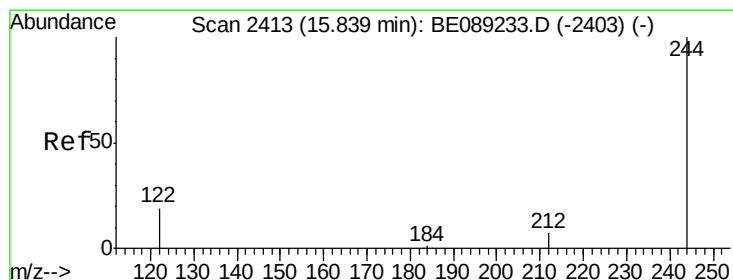
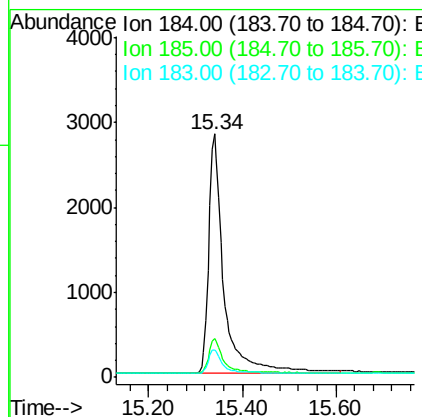
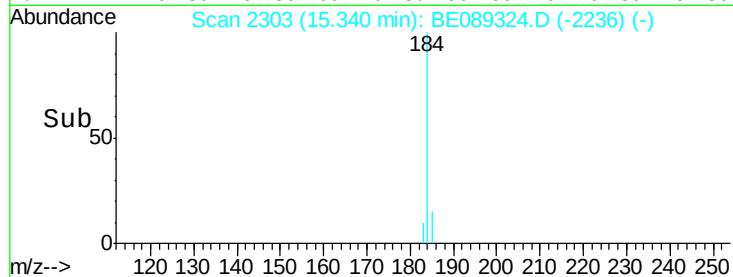
SSTDCCC001



Tgt Ion:	184	Resp:	6462
Ion Ratio	Lower	Upper	
184	100		
185	16.1	14.4	21.6
183	11.3	9.6	14.4

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM



#22

Terphenyl-d14

Concen: 1.00 ng

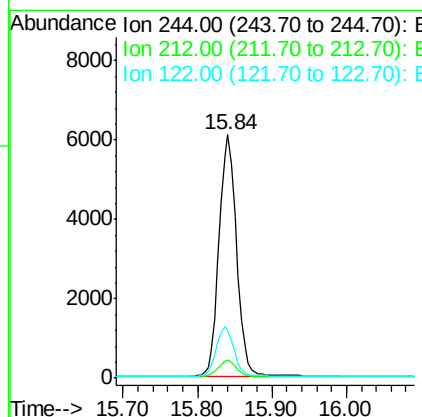
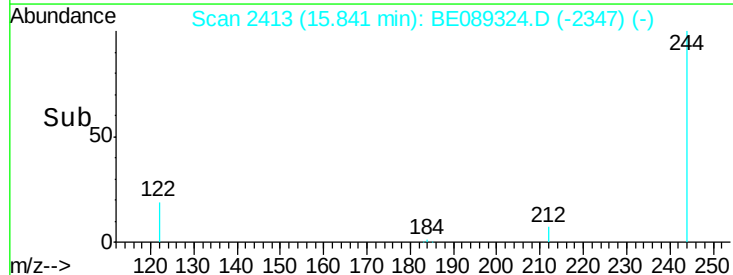
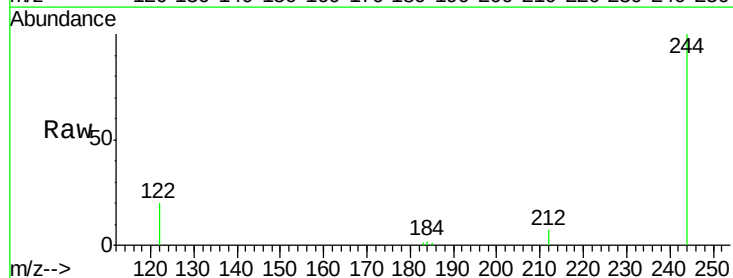
RT: 15.84 min Scan# 2413

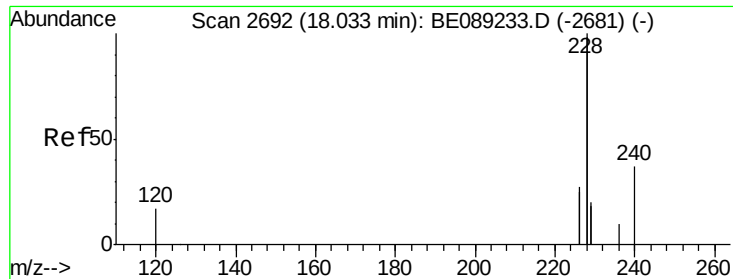
Delta R.T. 0.00 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Tgt Ion:	244	Resp:	9877
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.4
122	19.6	16.2	24.2





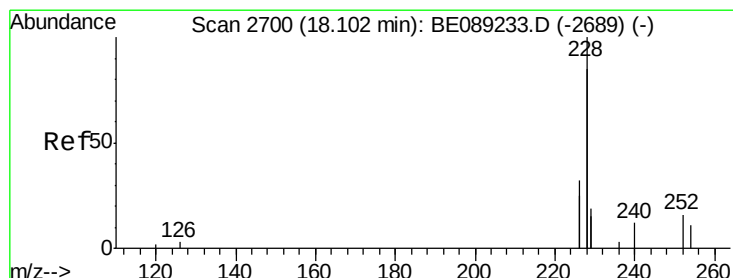
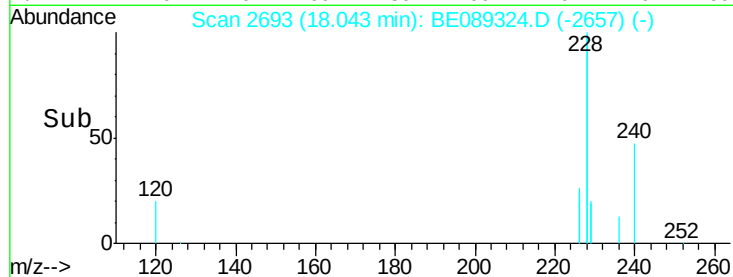
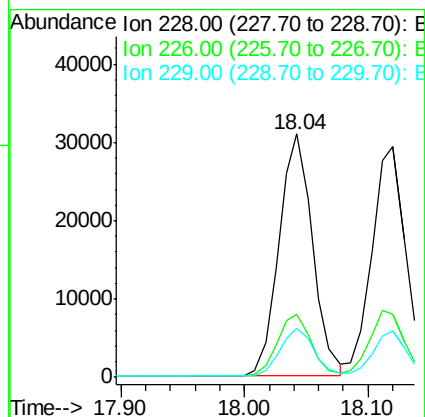
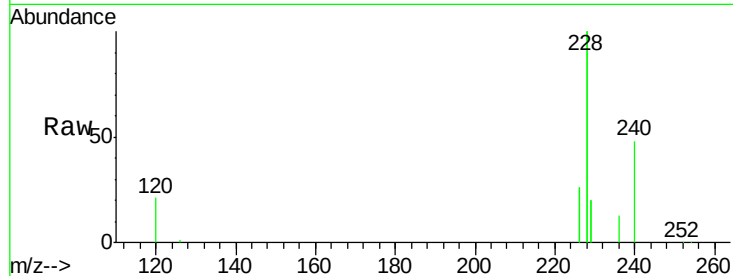
#23
Benzo(a)anthracene
Concen: 1.19 ng
RT: 18.04 min Scan# 2693
Delta R.T. 0.01 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.4	32.0
229	19.9	16.0	24.0

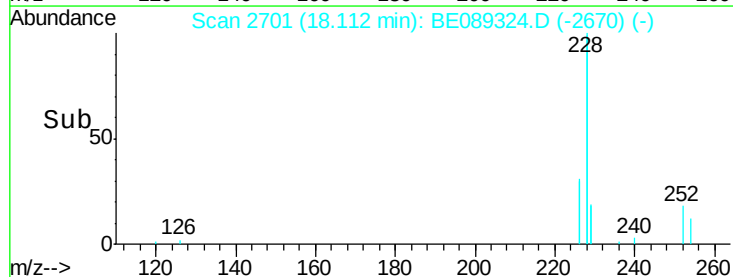
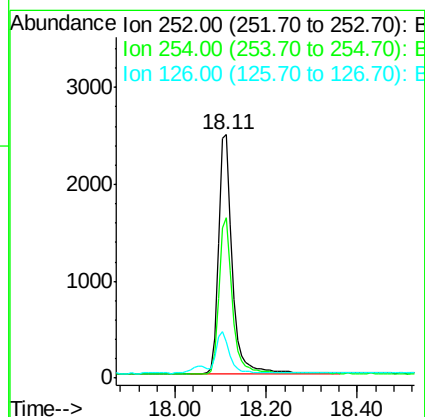
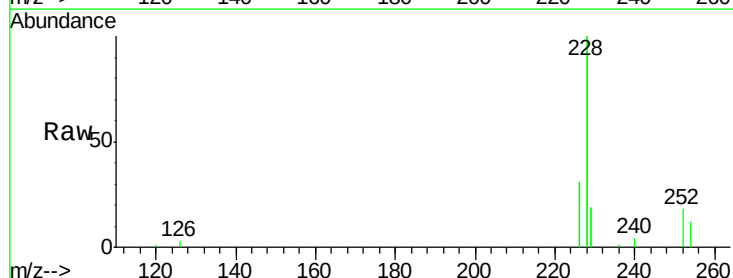
Manual Integrations
APPROVED

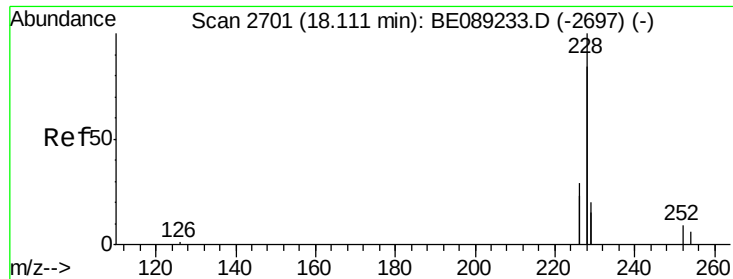
TEJASKUMAR
1/7/2015 9:23:51 AM



#24
3,3'-Dichlorobenzidine
Concen: 1.34 ng
RT: 18.11 min Scan# 2701
Delta R.T. 0.01 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.8	53.0	79.6
126	15.1	15.0	22.6





#25

Chrysene

Concen: 1.12 ng

RT: 18.12 min Scan# 2702

Delta R.T. 0.01 min

Lab File: BE089324.D

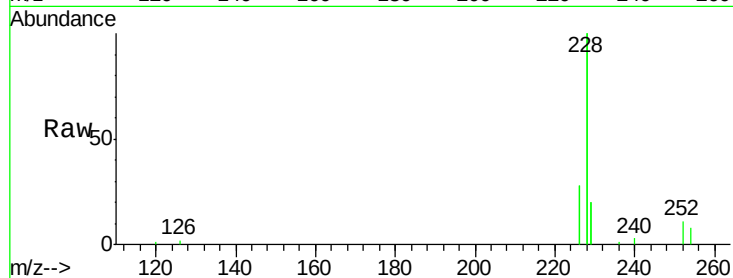
Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

LabSampleId :

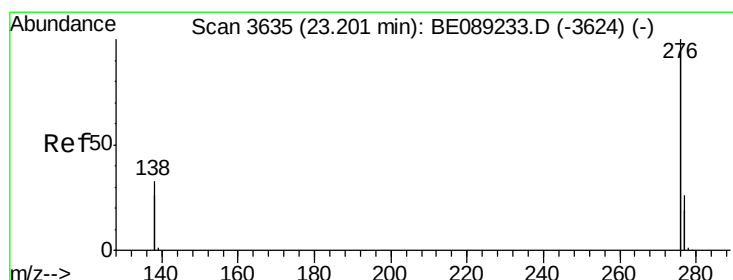
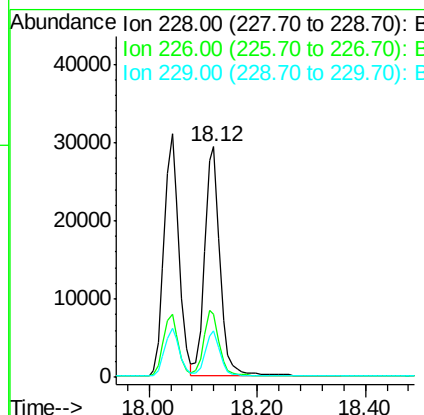
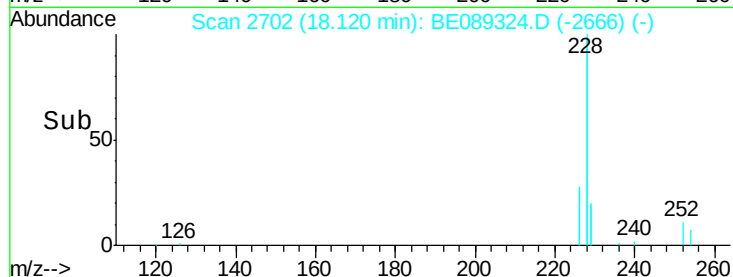
SSTDCCC001



Tgt Ion:	228	Resp:	57920
Ion Ratio	Lower	Upper	
228	100		
226	27.6	23.2	34.8
229	20.4	16.2	24.2

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.37 ng m

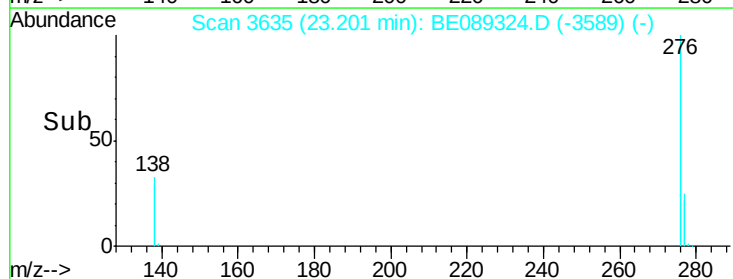
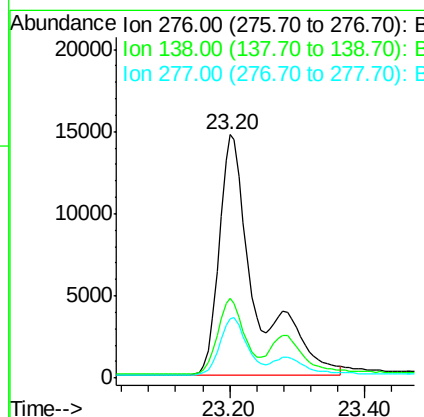
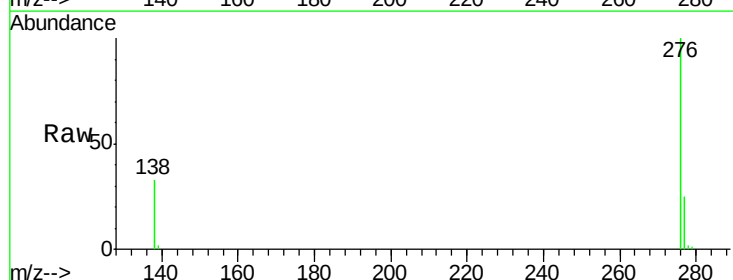
RT: 23.20 min Scan# 3635

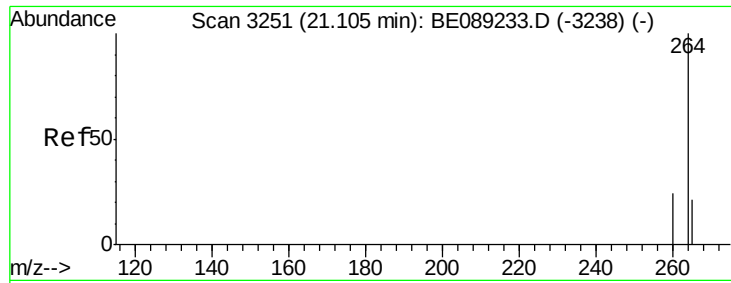
Delta R.T. -0.00 min

Lab File: BE089324.D

Acq: 5 Jan 2015 20:57

Tgt Ion:	276	Resp:	55069
Ion Ratio	Lower	Upper	
276	100		
138	23.1	23.4	35.2#
277	17.8	19.0	28.4#





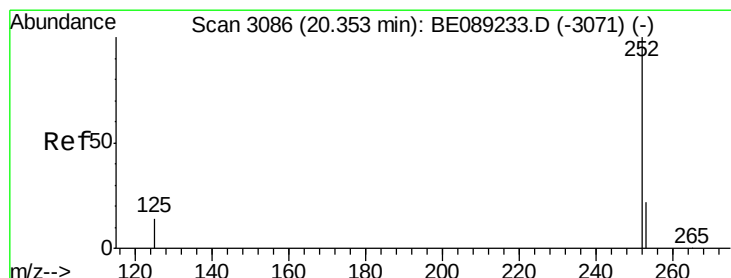
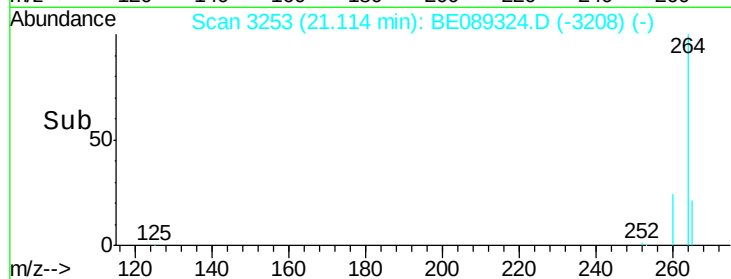
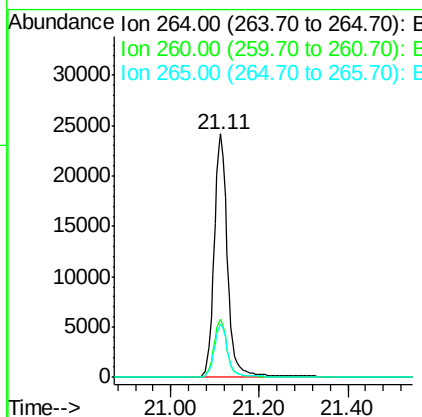
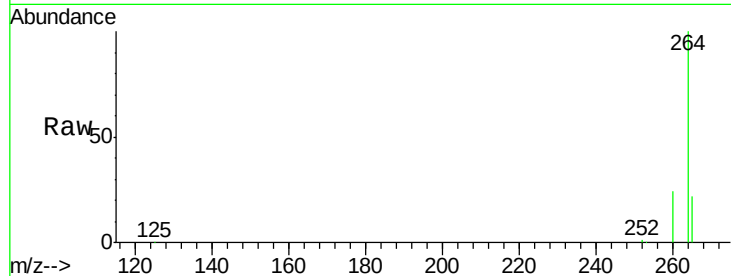
#27
Perylene-d12
 Concen: 5.00 ng
 RT: 21.11 min Scan# 3253
 Delta R.T. 0.01 min
 Lab File: BE089324.D
 Acq: 5 Jan 2015 20:57

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.6	17.1	25.7

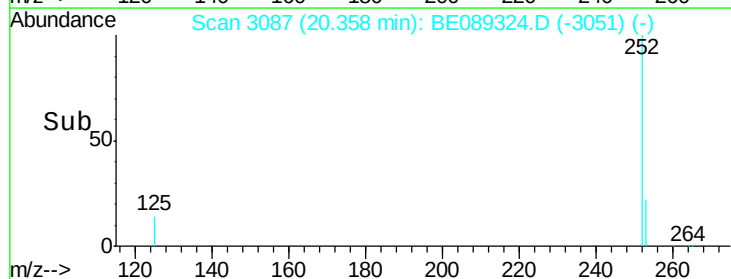
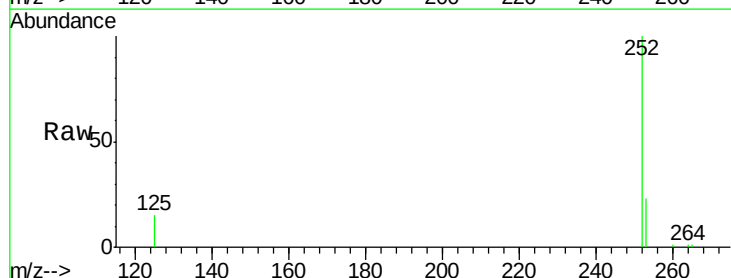
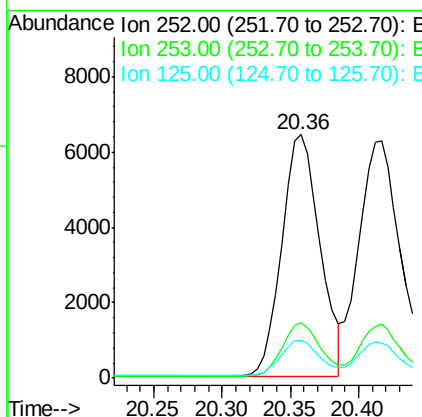
Manual Integrations
 APPROVED

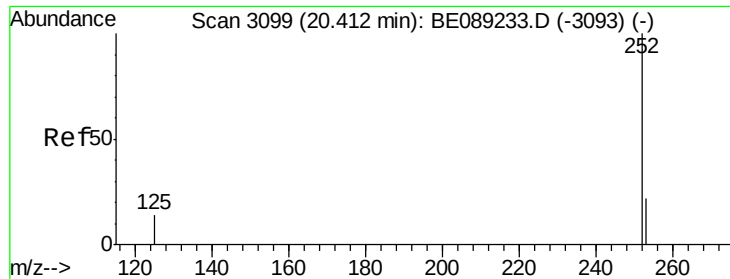
TEJASKUMAR
 1/7/2015 9:23:51 AM



#28
Benzo(b)fluoranthene
 Concen: 1.33 ng
 RT: 20.36 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: BE089324.D
 Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.2	12.2	18.4





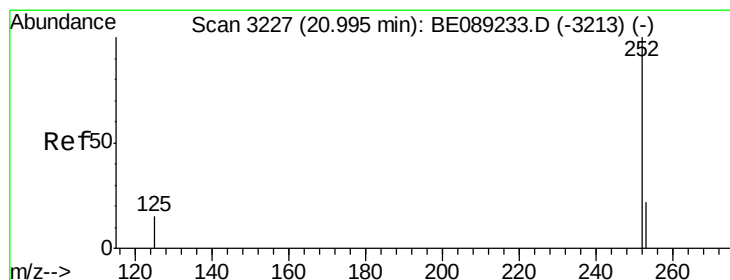
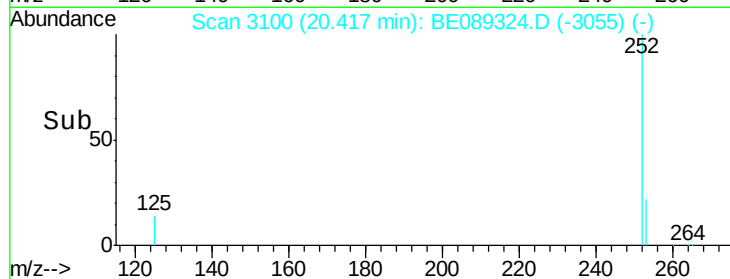
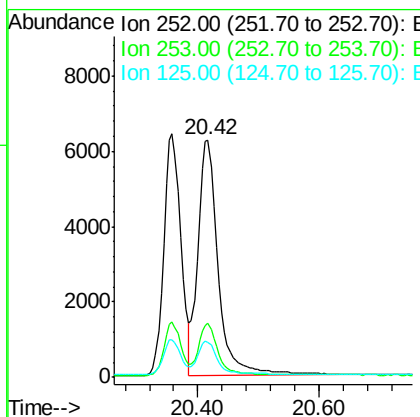
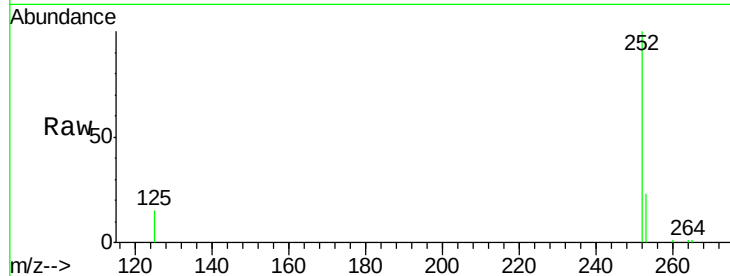
#29
Benzo(k)fluoranthene
Concen: 1.12 ng
RT: 20.42 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	14.7	12.1	18.1

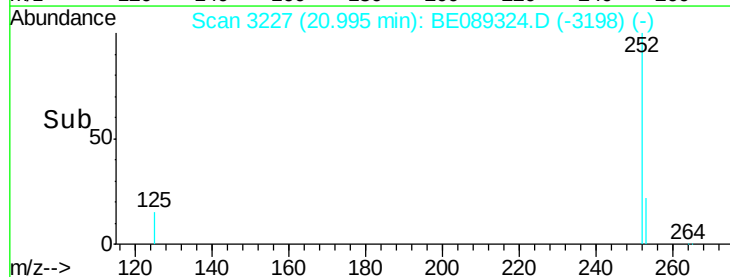
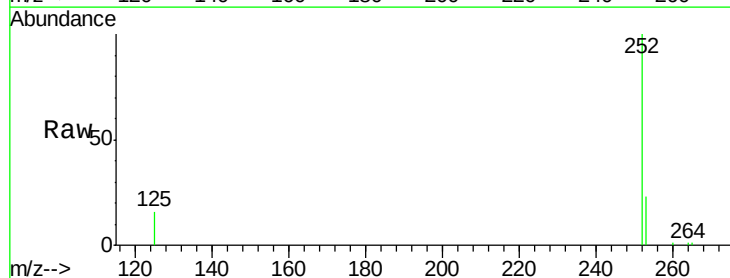
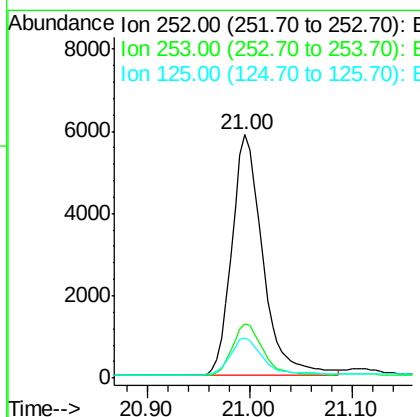
Manual Integrations
APPROVED

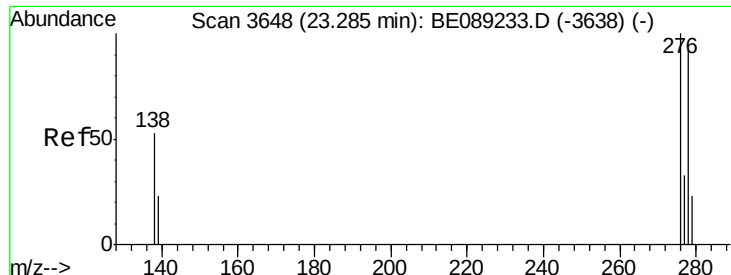
TEJASKUMAR
1/7/2015 9:23:51 AM



#30
Benzo(a)pyrene
Concen: 1.34 ng
RT: 21.00 min Scan# 3227
Delta R.T. 0.00 min
Lab File: BE089324.D
Acq: 5 Jan 2015 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.3	27.5
125	16.4	13.5	20.3





#31

Dibenzo(a,h)anthracene

Concen: 1.39 ng

RT: 23.29 min Scan# 3648

Delta R.T. 0.00 min

Lab File: BE089324.D

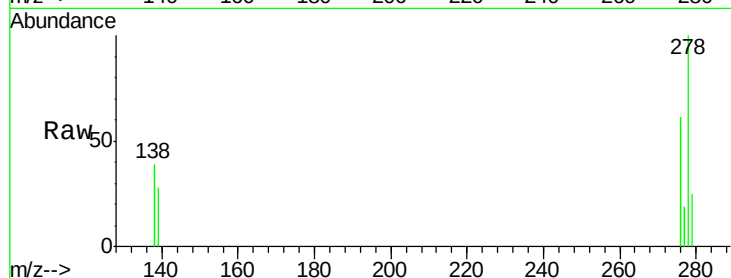
Acq: 5 Jan 2015 20:57

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion: 278 Resp: 10906

Ion Ratio Lower Upper

278 100

139 28.4 23.2 34.8

279 24.9 21.7 32.5

Manual Integrations

APPROVED

TEJASKUMAR
1/7/2015 9:23:51 AM

