

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089466.D
 Acq On : 3 Feb 2015 16:19
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

apatel
 2/4/2015 2:54:50 PM

Quant Time: Feb 04 00:36:50 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:22:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	58239	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	231656	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	99385	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	188736	5.00	ng	0.00
20) Chrysene-d12	23.79	240	188517	5.00	ng	0.00
27) Perylene-d12	25.49	264	177028	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.72	112	94321	4.84	ng	0.00
4) Phenol-d6	8.84	99	117879	5.15	ng	0.00
8) Nitrobenzene-d5	10.79	82	91448	5.41	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	20434	7.87	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	130008	4.69	ng	0.00
22) Terphenyl-d14	22.43	244	139043	6.40	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.54	42	58283	6.23	ng	Qvalue # 76
5) Phenol	8.87	94	127693m	5.20	ng	
6) bis(2-Chloroethyl)ether	9.01	93	91972	5.13	ng	# 100
9) Nitrobenzene	10.83	77	104247	5.43	ng	99
10) 2,4-Dimethylphenol	11.78	122	74261	5.40	ng	95
11) 2,4-Dichlorophenol	12.16	162	56439	5.44	ng	86
12) Hexachlorobutadiene	12.81	225	34641	4.74	ng	99
16) 2,4-Dinitrophenol	16.85	184	5567	9.31	ng	# 62
18) Hexachlorobenzene	19.17	284	47648	4.81	ng	# 86
19) Pentachlorophenol	19.60	266	13448	11.55	ng	99
21) Benzidine	22.09	184	44752	3.33	ng	97
23) Benzo(a)anthracene	23.77	228	878127	5.77	ng	99
24) 3,3'-Dichlorobenzidine	23.76	252	76812	5.74	ng	97
25) Chrysene	23.82	228	844663	4.63	ng	97
26) Indeno(1,2,3-cd)pyrene	26.97	276	243053	4.55	ng	99
28) Benzo(b)fluoranthene	25.04	252	204174	8.45	ng	99
29) Benzo(k)fluoranthene	25.08	252	229176	5.16	ng	99
30) Benzo(a)pyrene	25.42	252	190845	7.04	ng	98
31) Dibenzo(a,h)anthracene	27.00	278	208140	6.41	ng	98

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

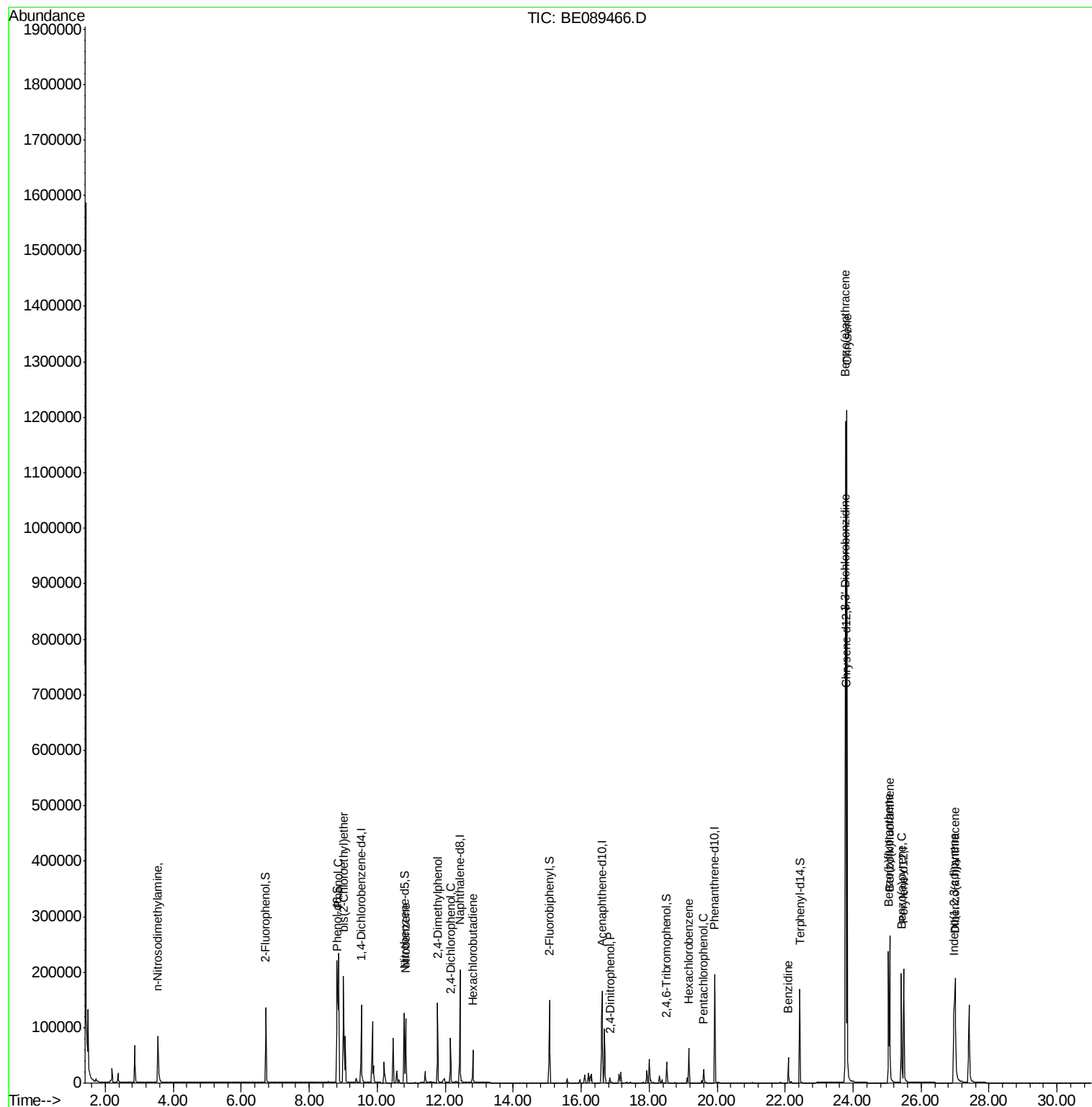
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089466.D
Acq On : 3 Feb 2015 16:19
Operator : TP/IZ
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

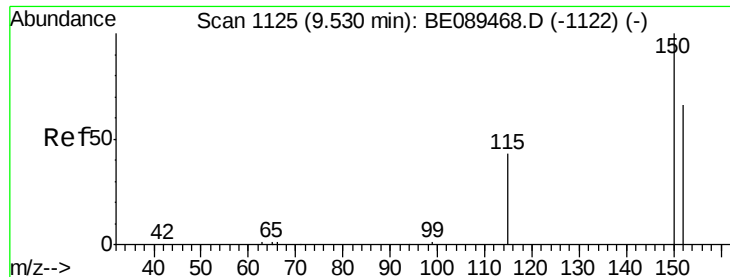
Instrument :
BNA_E
LabSampleId :
SSTDICC005

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM

Quant Time: Feb 04 00:36:50 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:22:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089466.D

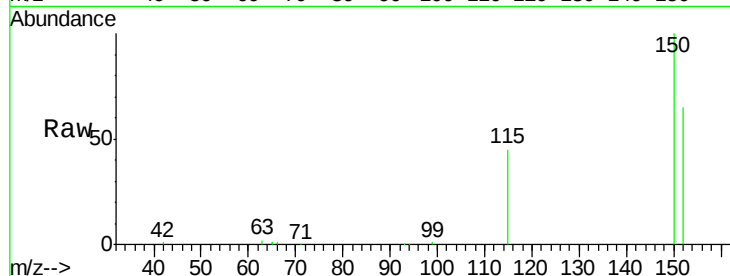
Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

LabSampleId :

SSTDIC005



Tgt Ion:152 Resp: 58239

Ion Ratio Lower Upper

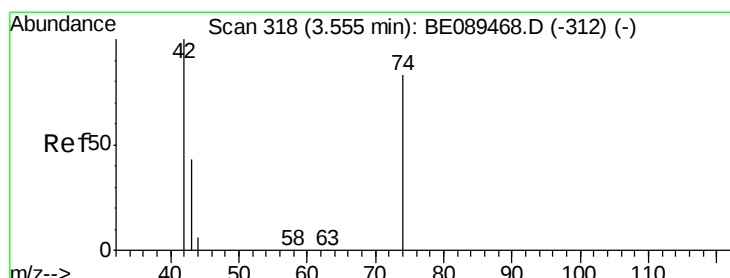
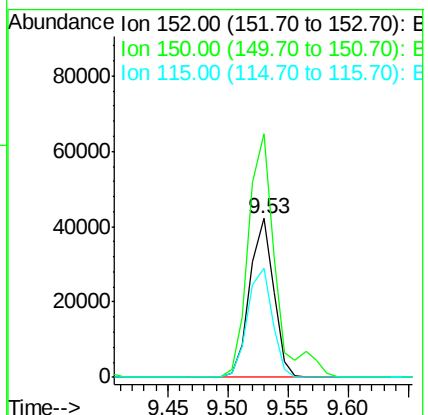
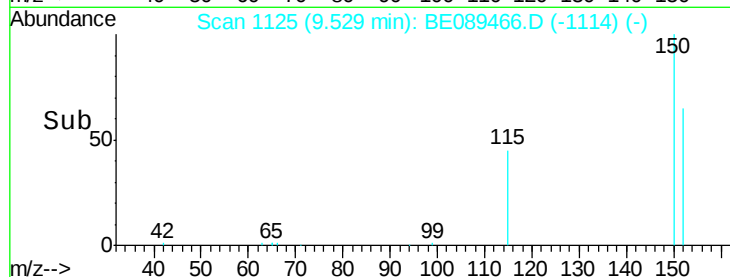
152 100

150 153.1 122.1 183.1

115 68.8 53.2 79.8

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



#2

n-Nitrosodimethylamine

Concen: 6.23 ng

RT: 3.54 min Scan# 316

Delta R.T. -0.01 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

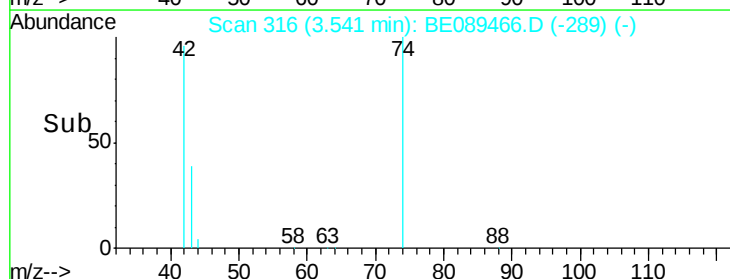
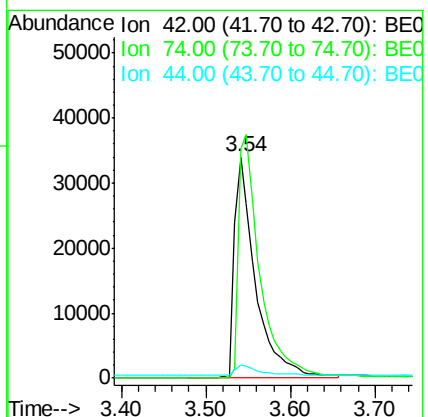
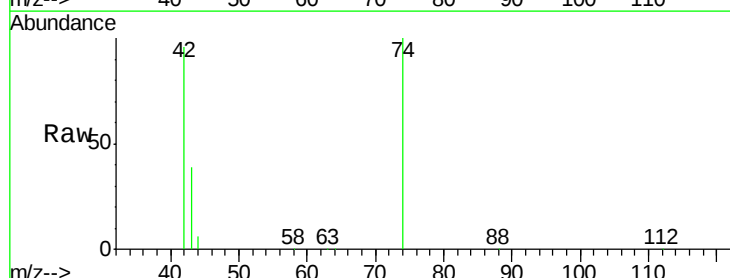
Tgt Ion: 42 Resp: 58283

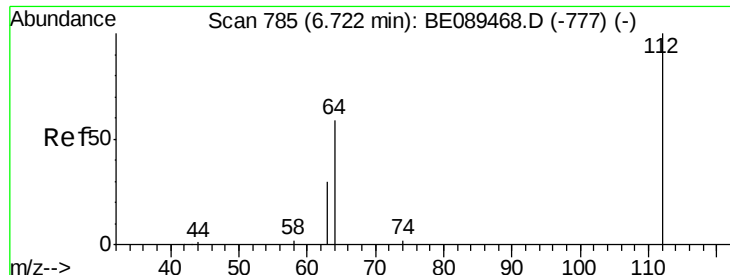
Ion Ratio Lower Upper

42 100

74 103.8 65.4 98.2#

44 6.0 11.7 17.5#





#3

2-Fluorophenol

Concen: 4.84 ng

RT: 6.72 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE089466.D

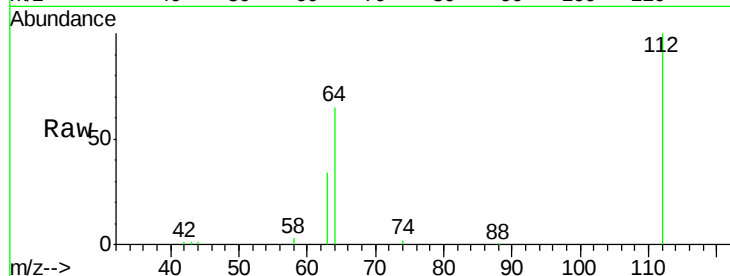
Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

LabSampleId :

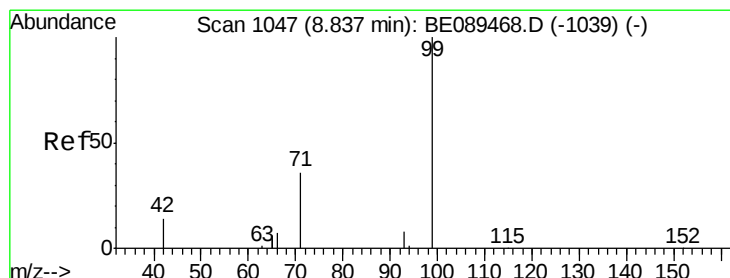
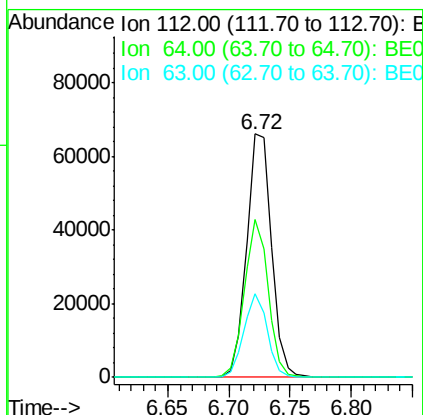
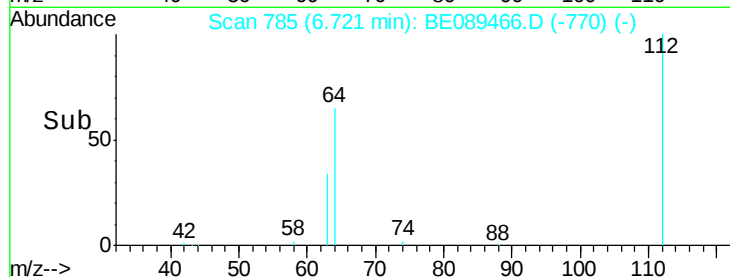
SSTDICC005



Tgt Ion:	112	Resp:	94321
Ion Ratio	Lower	Upper	
112	100		
64	64.7	47.0	70.6
63	34.4	24.2	36.2

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



#4

Phenol-d6

Concen: 5.15 ng

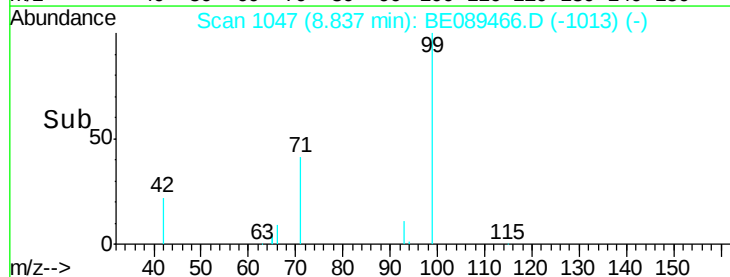
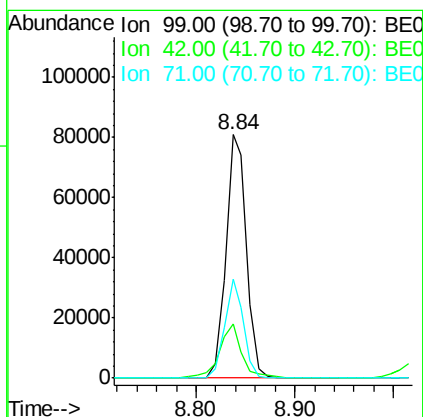
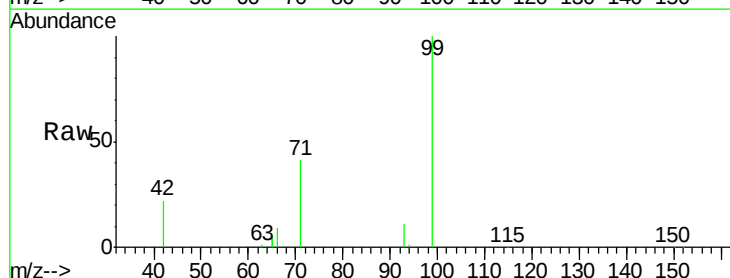
RT: 8.84 min Scan# 1047

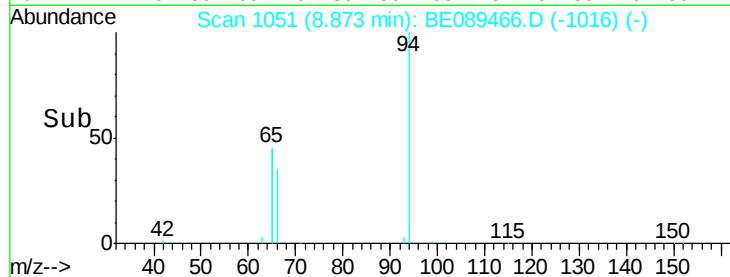
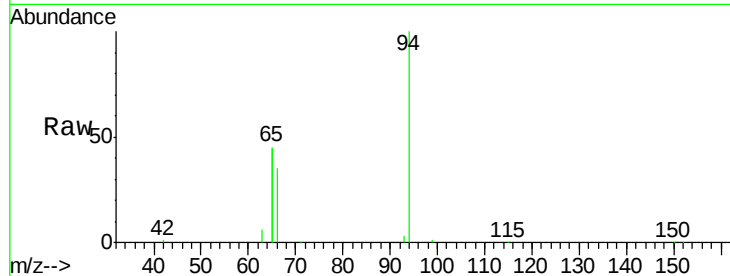
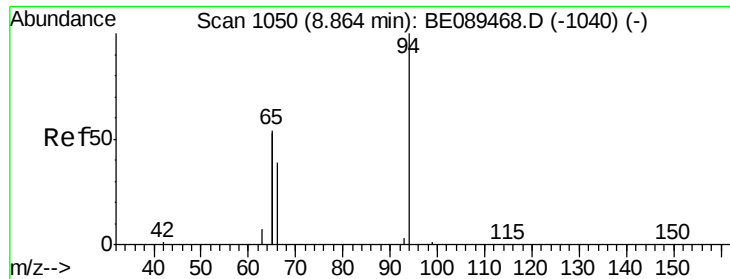
Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Tgt Ion:	99	Resp:	117879
Ion Ratio	Lower	Upper	
99	100		
42	22.2	11.8	17.6#
71	40.7	28.7	43.1





#5

Phenol

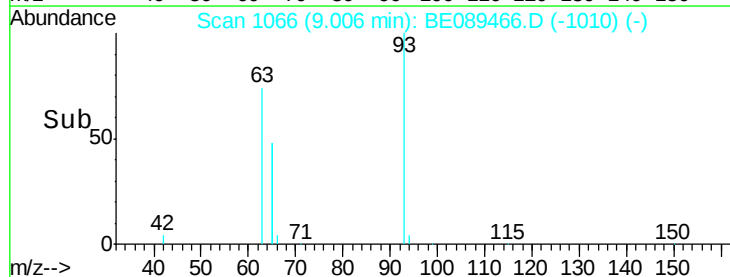
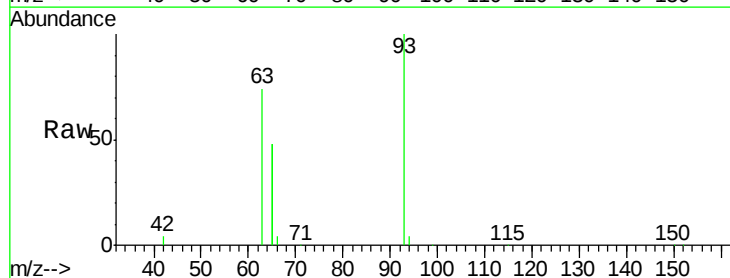
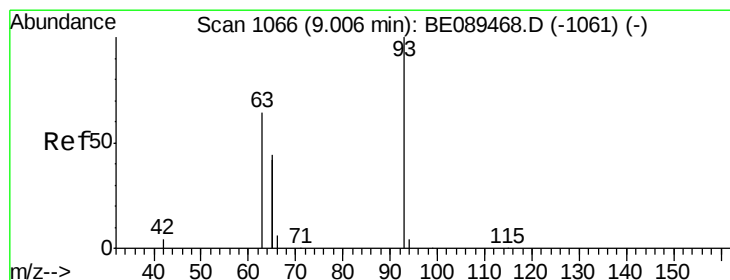
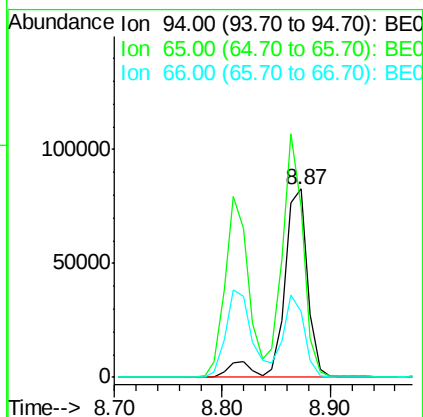
Concen: 5.20 ng m
RT: 8.87 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
94	100		
65	45.3	33.9	73.9
66	34.6	19.1	59.1

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM

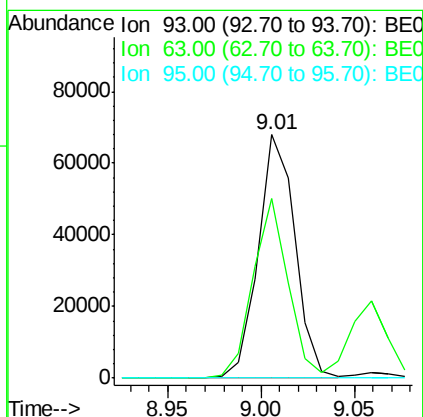


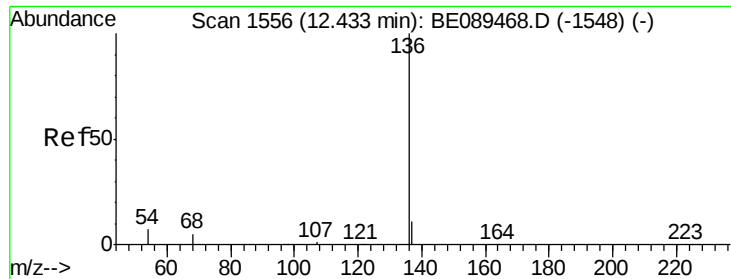
#6

bis(2-Chloroethyl)ether

Concen: 5.13 ng
RT: 9.01 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.9	57.0	85.6
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

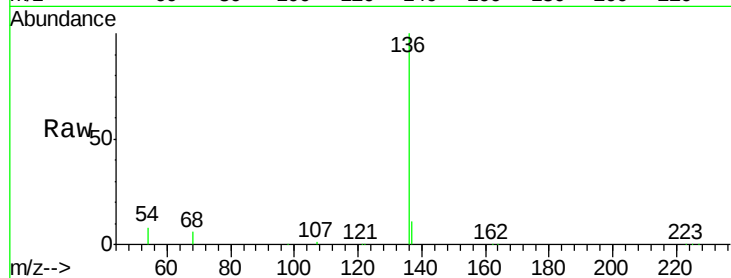
LabSampleId :

SSTDIC005

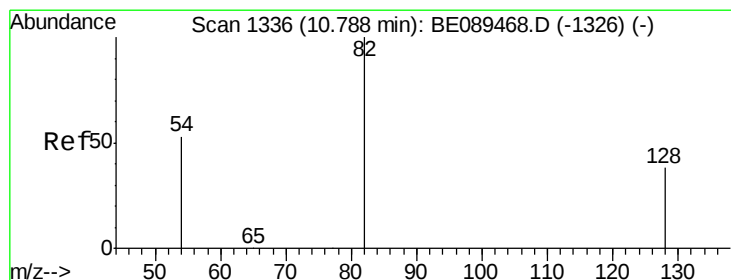
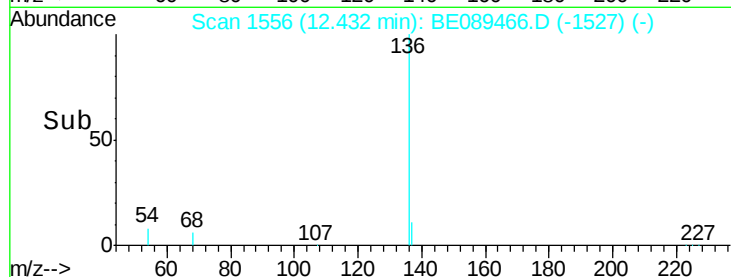
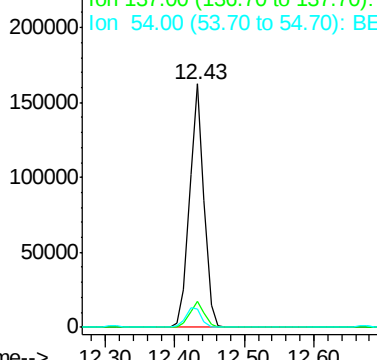
Tgt Ion:	136	Resp:	231656
Ion Ratio		Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.8	5.4	8.0

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



Abundance Ion 136.00 (135.70 to 136.70): E



#8

Nitrobenzene-d5

Concen: 5.41 ng

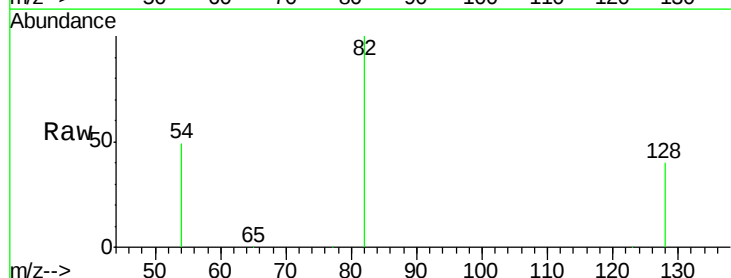
RT: 10.79 min Scan# 1337

Delta R.T. 0.01 min

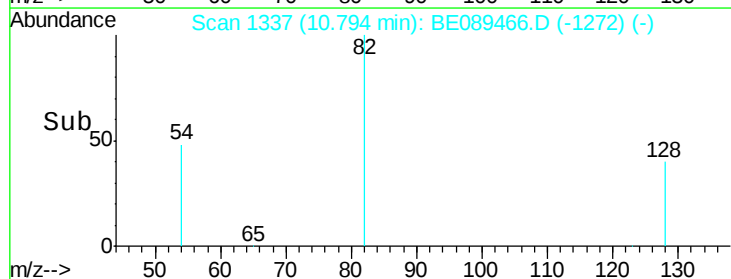
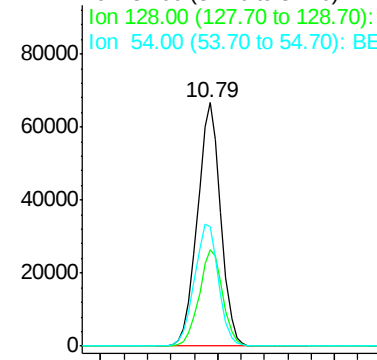
Lab File: BE089466.D

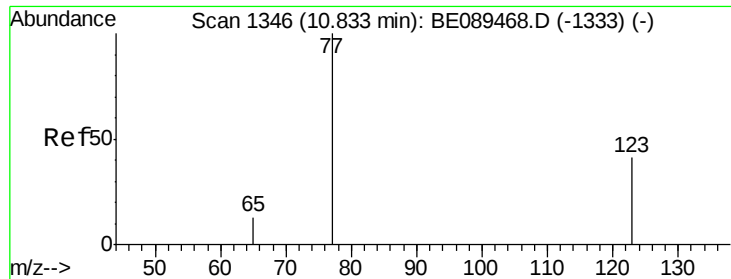
Acq: 3 Feb 2015 16:19

Tgt Ion:	82	Resp:	91448
Ion Ratio		Lower	Upper
82	100		
128	39.8	30.3	45.5
54	49.2	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BE0





#9

Nitrobenzene

Concen: 5.43 ng

RT: 10.83 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BE089466.D

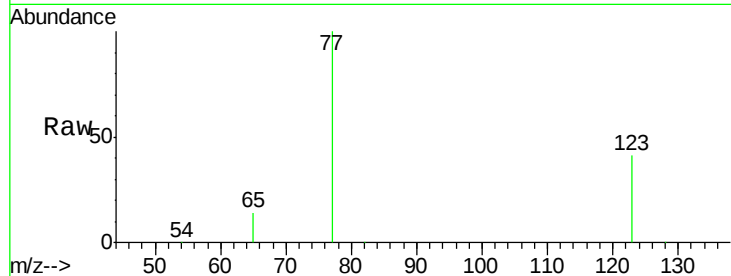
Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

LabSampleId :

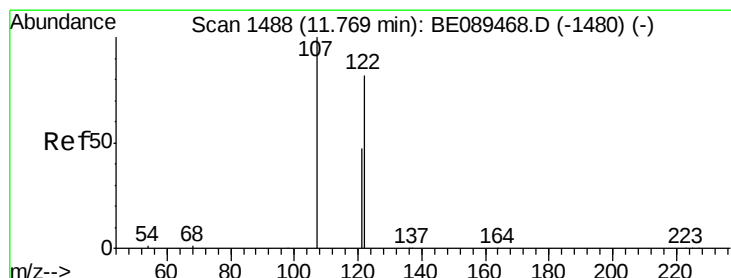
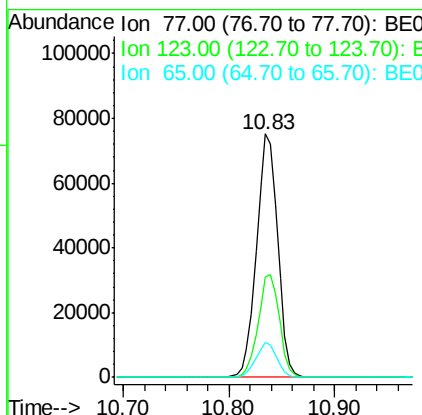
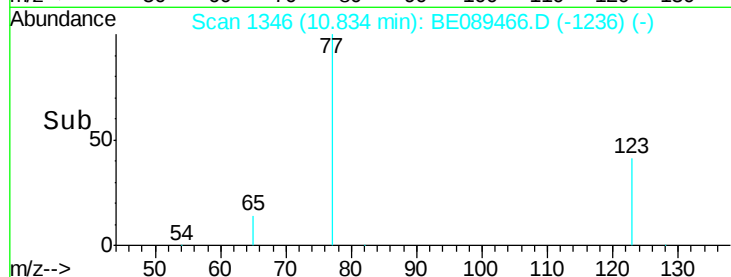
SSTDICC005



Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.2	33.4	50.0
65	14.1	10.9	16.3

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



#10

2,4-Dimethylphenol

Concen: 5.40 ng

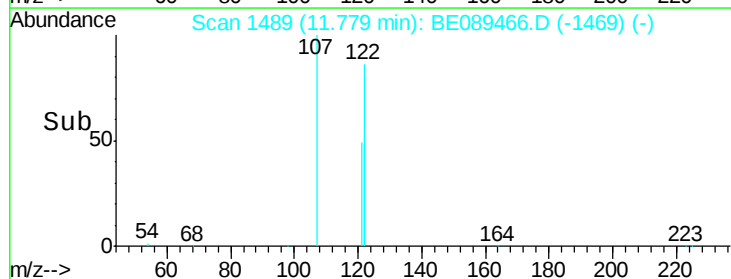
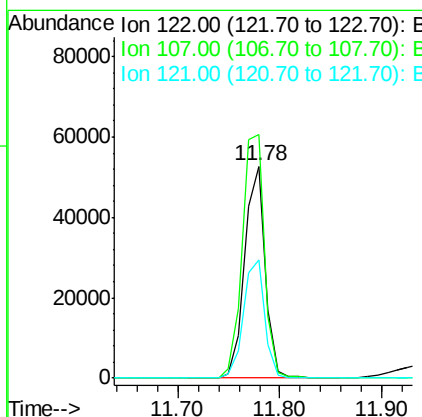
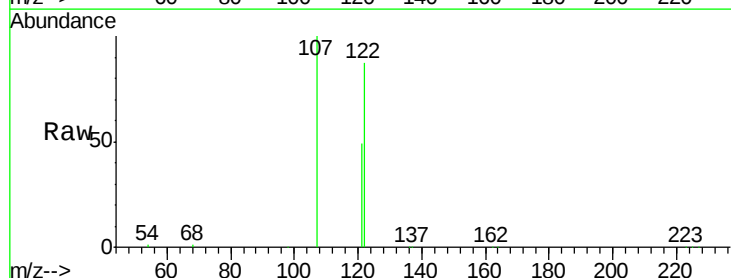
RT: 11.78 min Scan# 1489

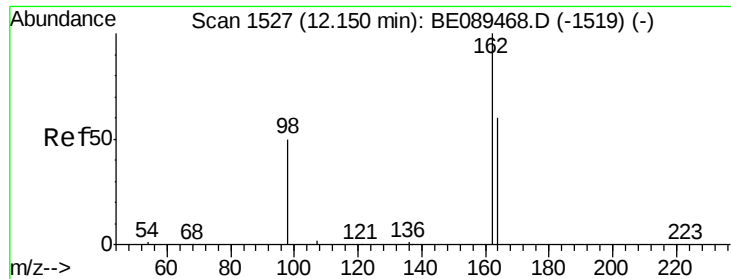
Delta R.T. 0.01 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Tgt Ion	Ratio	Lower	Upper
122	100		
107	114.8	97.3	145.9
121	55.7	46.4	69.6





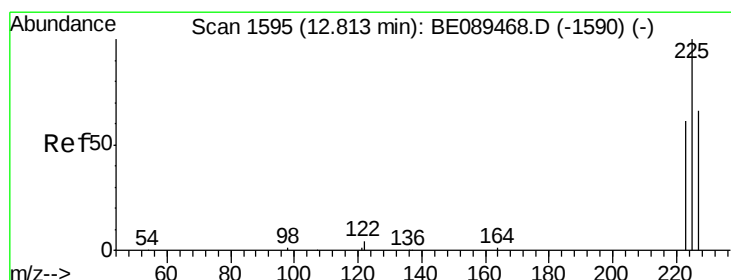
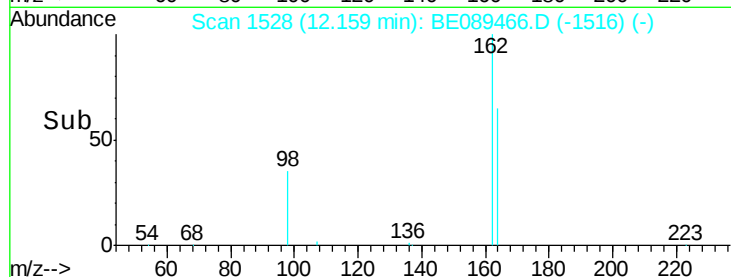
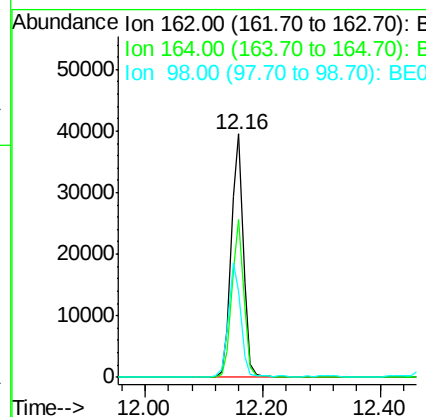
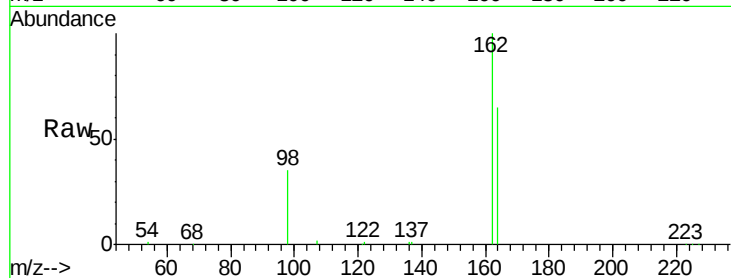
#11
2,4-Dichlorophenol
Concen: 5.44 ng
RT: 12.16 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.8	39.9	79.9
98	35.4	31.3	71.3

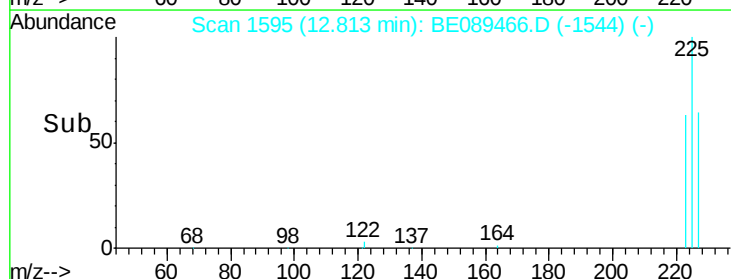
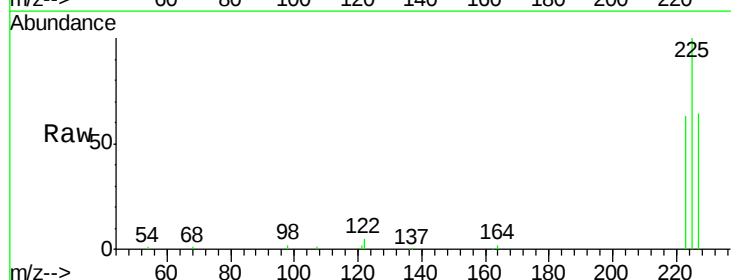
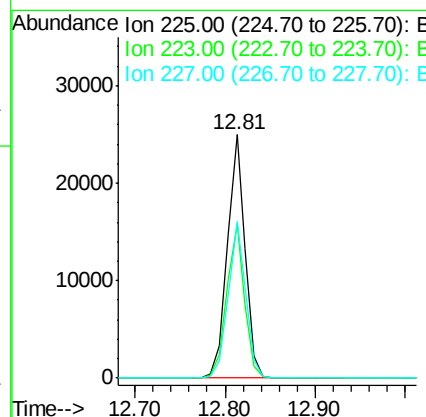
Manual Integrations
APPROVED

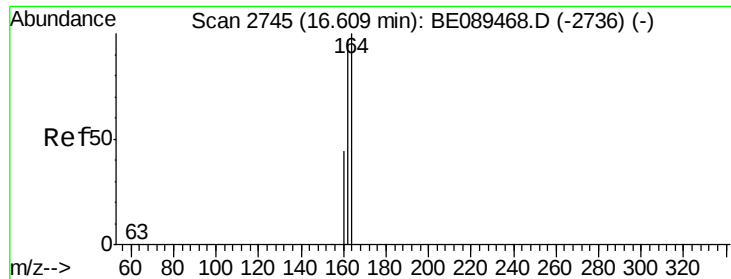
apatel
2/4/2015 2:54:50 PM



#12
Hexachlorobutadiene
Concen: 4.74 ng
RT: 12.81 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.4	74.0
227	63.7	51.2	76.8





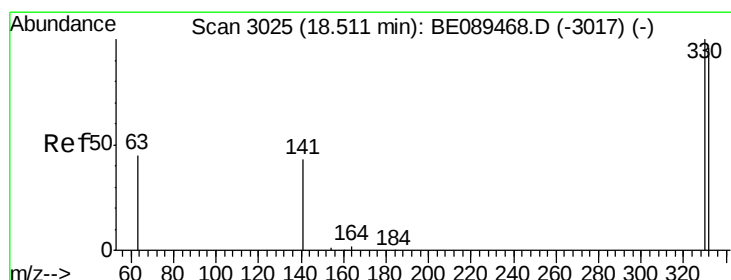
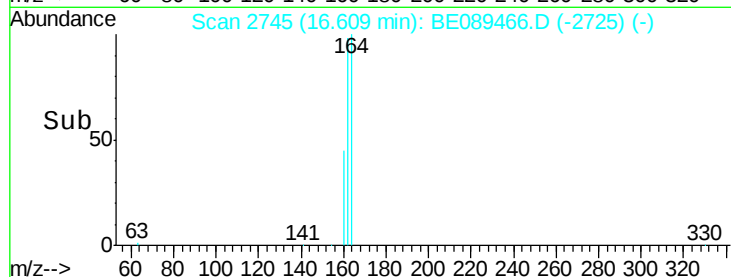
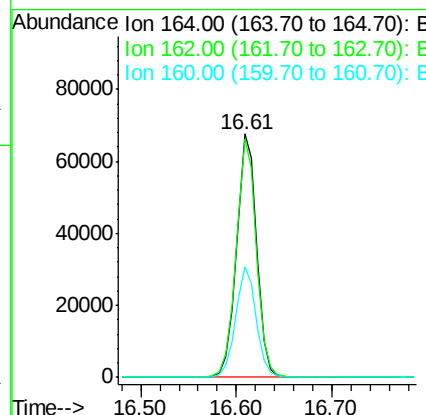
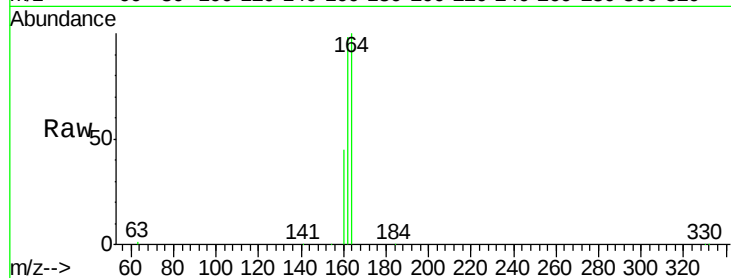
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.61 min Scan# 2745
Delta R.T. 0.00 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.1	77.6	116.4
160	45.2	35.6	53.4

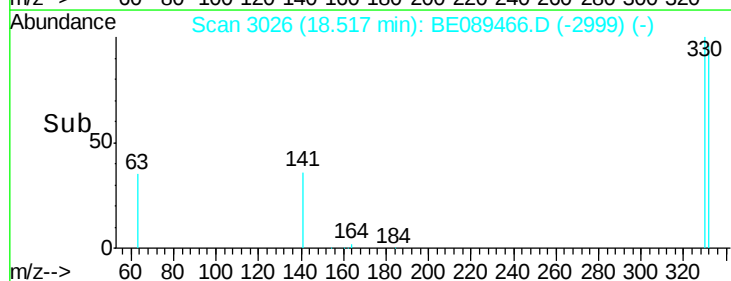
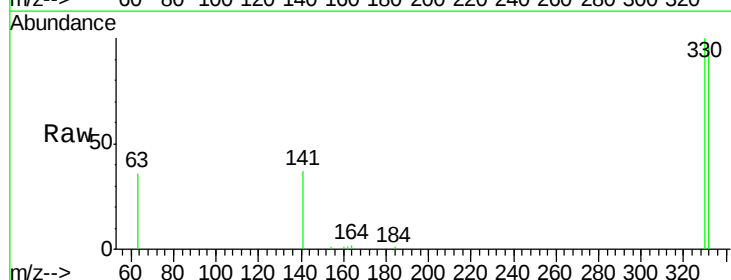
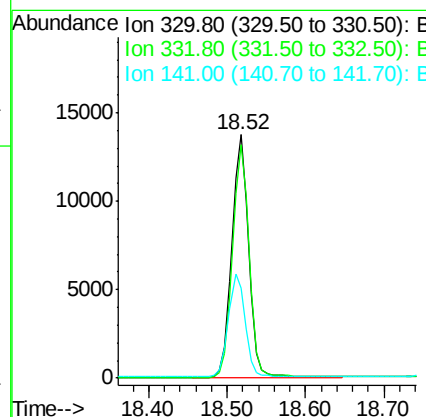
Manual Integrations
APPROVED

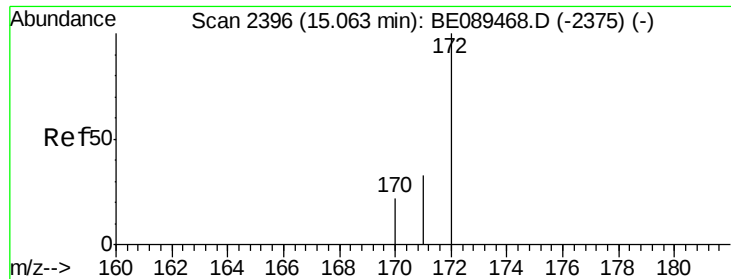
apatel
2/4/2015 2:54:50 PM



#14
2,4,6-Tribromophenol
Concen: 7.87 ng
RT: 18.52 min Scan# 3026
Delta R.T. 0.01 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.0	117.0
141	42.3	33.8	50.6





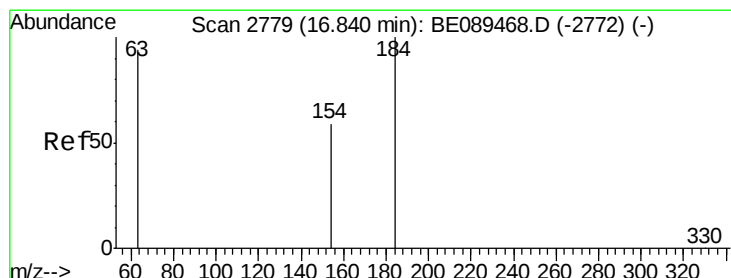
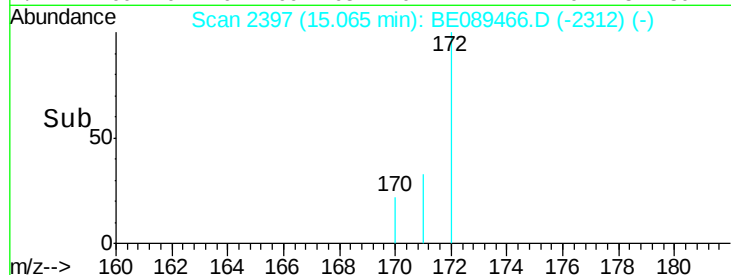
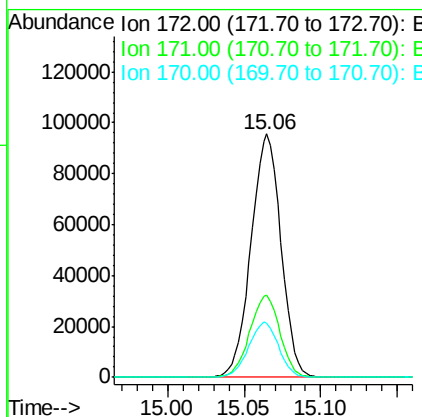
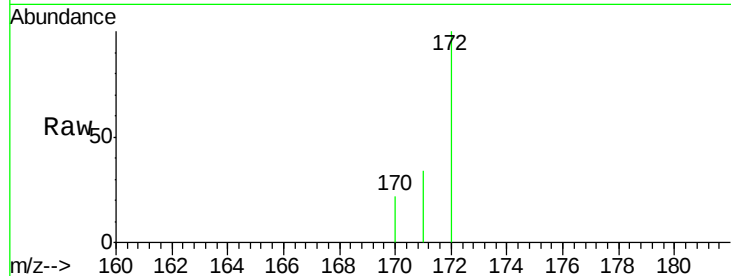
#15
2-Fluorobiphenyl
Concen: 4.69 ng
RT: 15.06 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Instrument :
BNA_E
LabSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.8	40.2
170	22.0	17.7	26.5

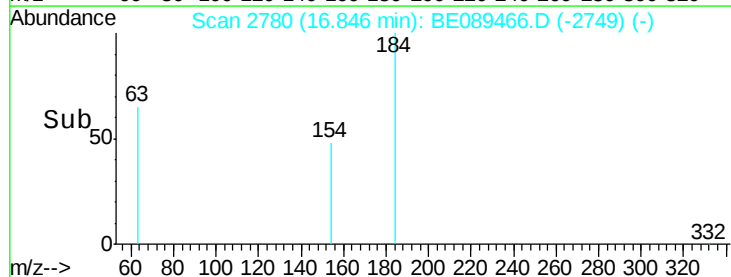
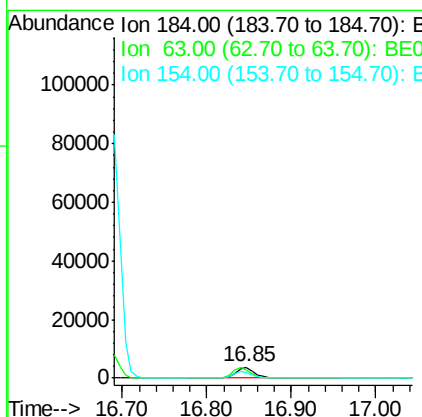
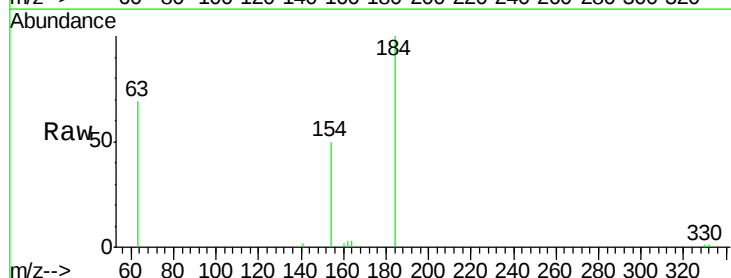
Manual Integrations
APPROVED

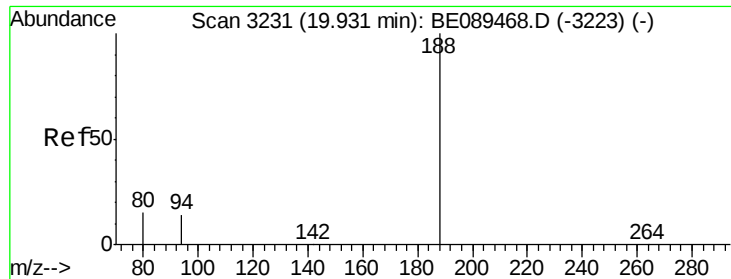
apatel
2/4/2015 2:54:50 PM



#16
2,4-Dinitrophenol
Concen: 9.31 ng
RT: 16.85 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BE089466.D
Acq: 3 Feb 2015 16:19

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.2	92.1	138.1#
154	49.9	61.4	92.2#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.93 min Scan# 3231

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

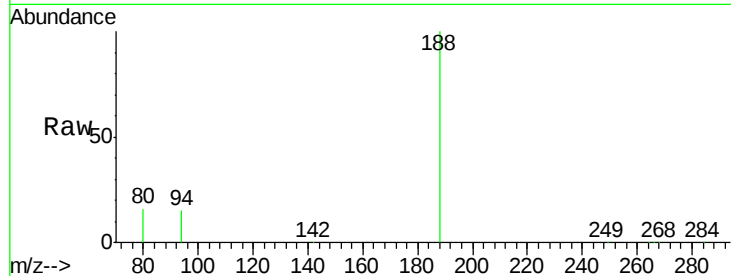
LabSampleId :

SSTDICC005

Tgt Ion:	188	Resp:	188736
Ion Ratio	Lower	Upper	
188	100		
94	14.8	11.1	16.7
80	15.8	11.8	17.6

Manual Integrations
APPROVED

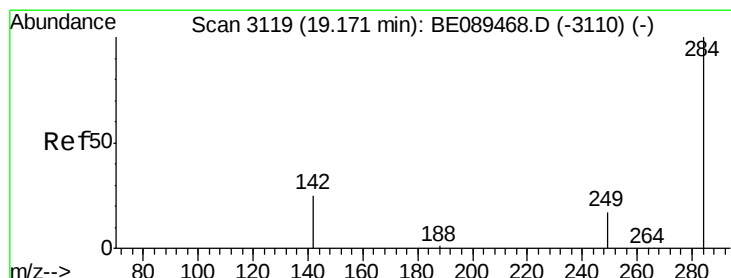
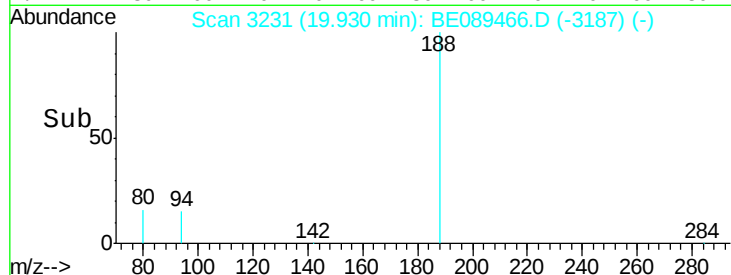
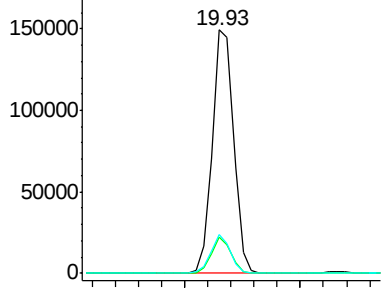
apatel
2/4/2015 2:54:50 PM



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: 4.81 ng

RT: 19.17 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BE089466.D

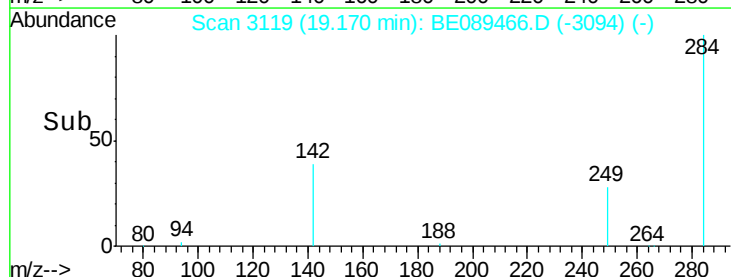
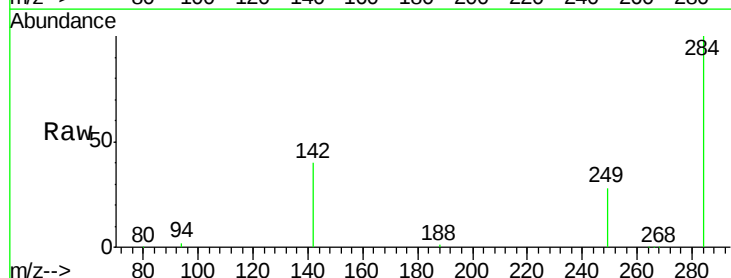
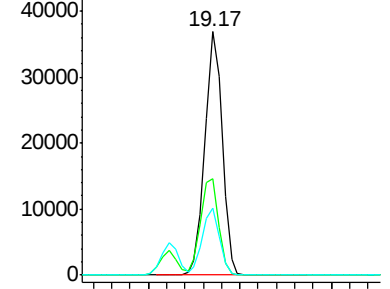
Acq: 3 Feb 2015 16:19

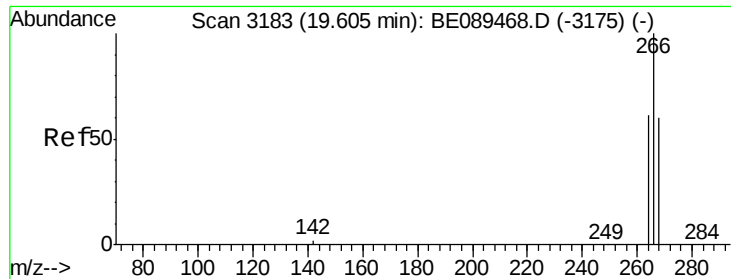
Tgt Ion:	284	Resp:	47648
Ion Ratio	Lower	Upper	
284	100		
142	39.5	24.4	36.6#
249	27.7	18.2	27.2#

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





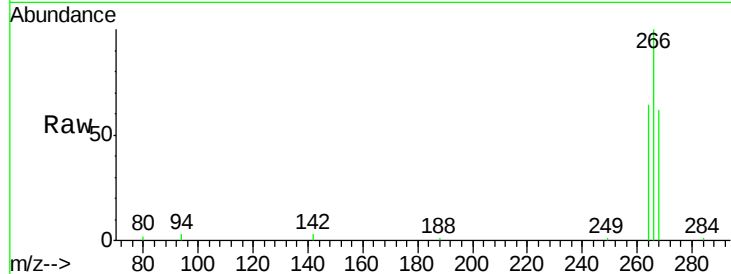
#19
 Pentachlorophenol
 Concen: 11.55 ng
 RT: 19.60 min Scan# 3183
 Delta R.T. -0.00 min
 Lab File: BE089466.D
 Acq: 3 Feb 2015 16:19

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

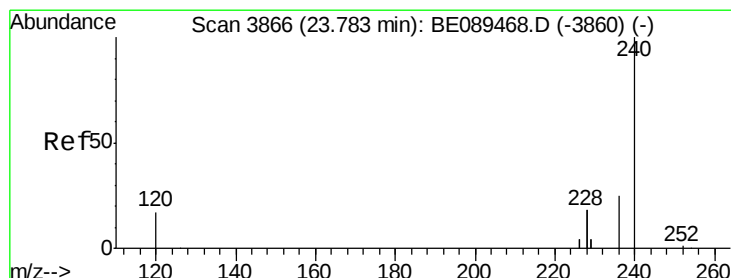
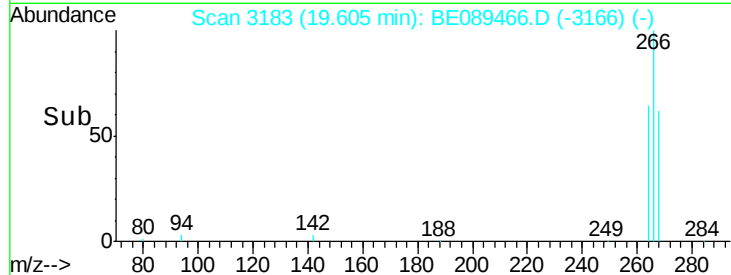
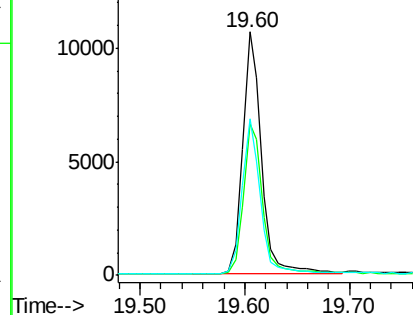
Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.1	50.0	75.0
264	64.4	50.6	75.8

Manual Integrations
 APPROVED

apatel
 2/4/2015 2:54:50 PM

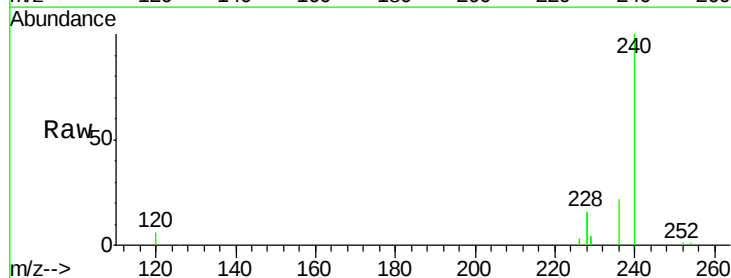


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

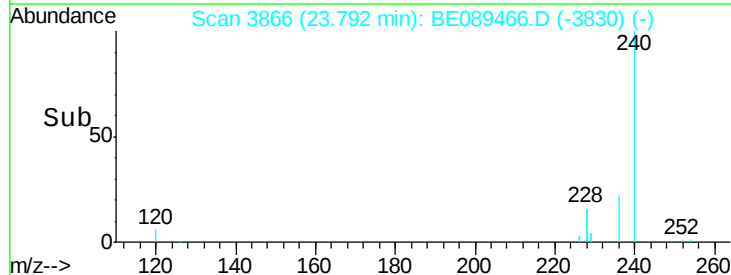
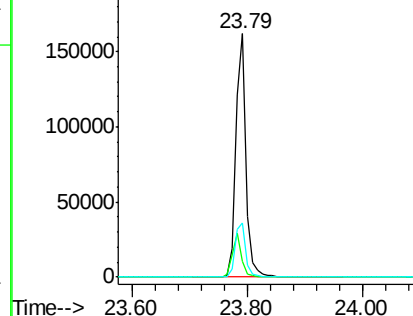


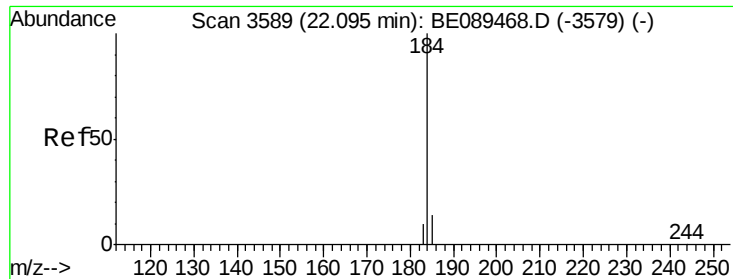
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.79 min Scan# 3866
 Delta R.T. 0.01 min
 Lab File: BE089466.D
 Acq: 3 Feb 2015 16:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	13.8	20.6#
236	22.5	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: 3.33 ng

RT: 22.09 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

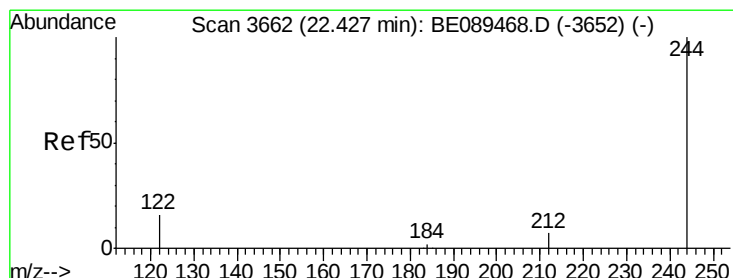
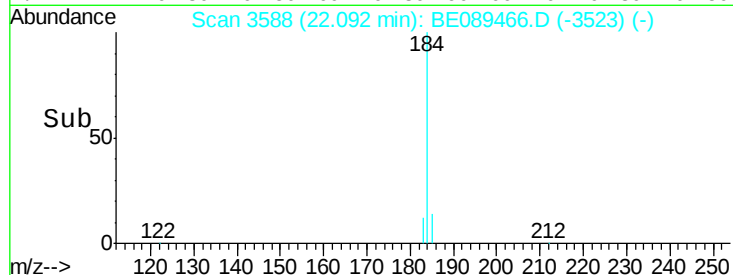
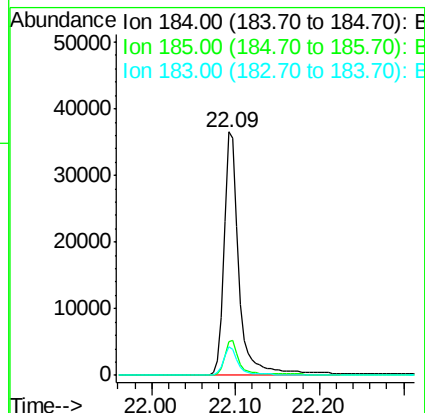
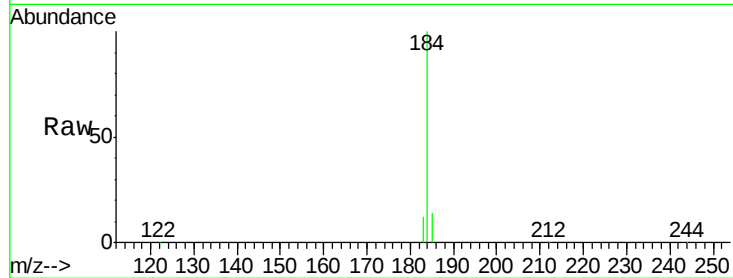
LabSampleId :

SSTDIC005

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM

Tgt Ion:	184	Resp:	44752
Ion Ratio	Lower	Upper	
184	100		
185	13.8	12.0	18.0
183	11.9	9.0	13.4



#22

Terphenyl-d14

Concen: 6.40 ng

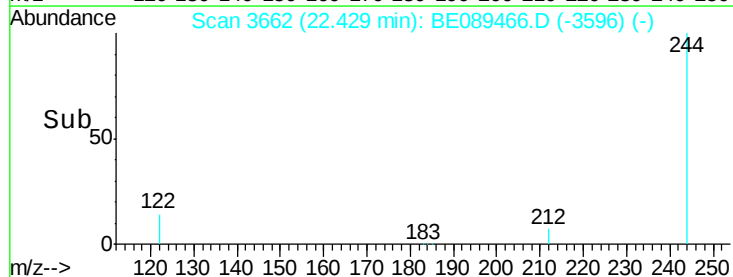
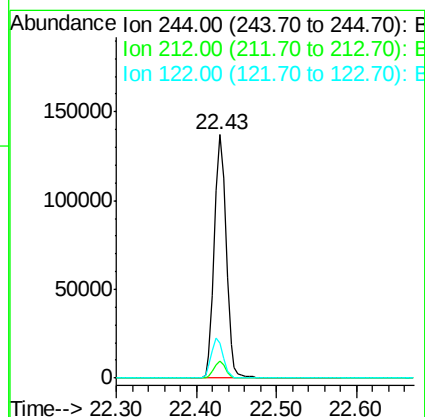
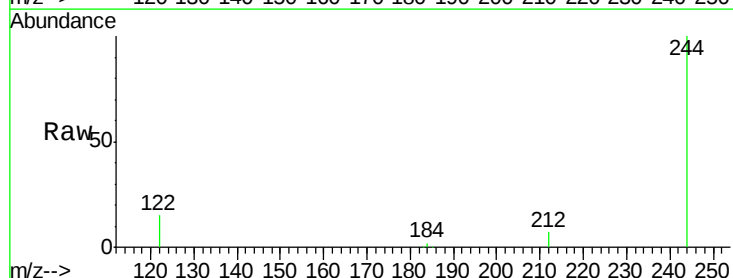
RT: 22.43 min Scan# 3662

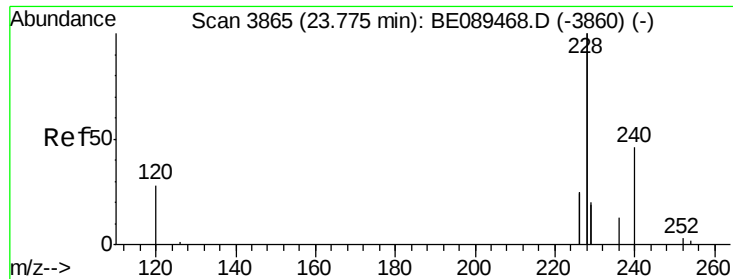
Delta R.T. 0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Tgt Ion:	244	Resp:	139043
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.5	8.3
122	14.5	12.6	19.0





#23

Benzo(a)anthracene

Concen: 5.77 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

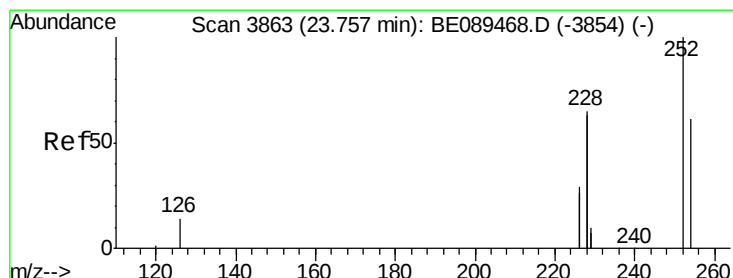
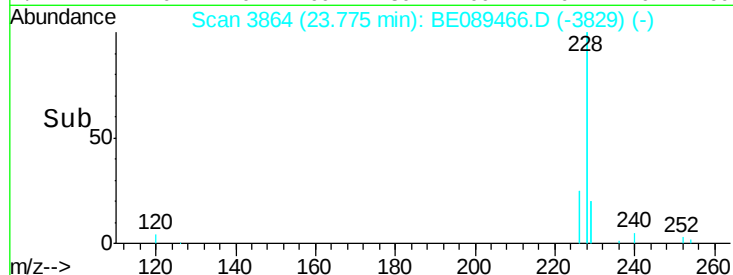
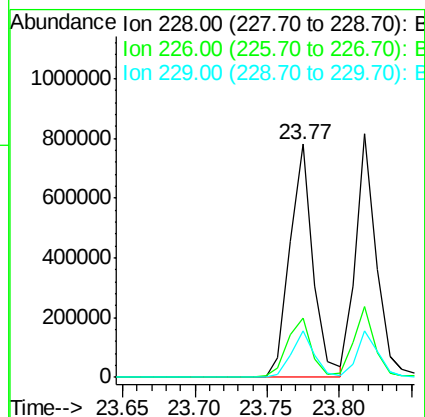
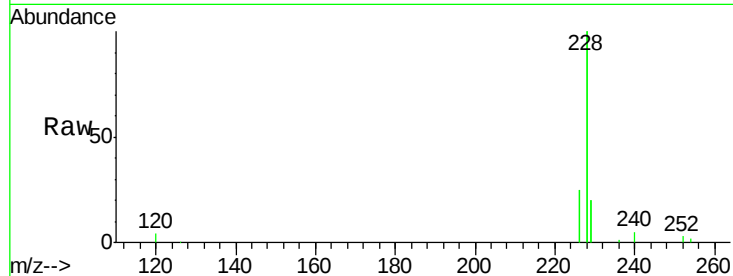
LabSampleId :

SSTDICC005

Tgt Ion:	228	Resp:	878127
Ion Ratio	Lower	Upper	
228	100		
226	25.2	19.6	29.4
229	19.8	15.9	23.9

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



#24

3,3'-Dichlorobenzidine

Concen: 5.74 ng

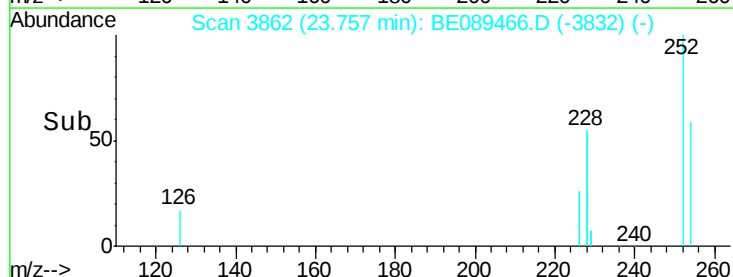
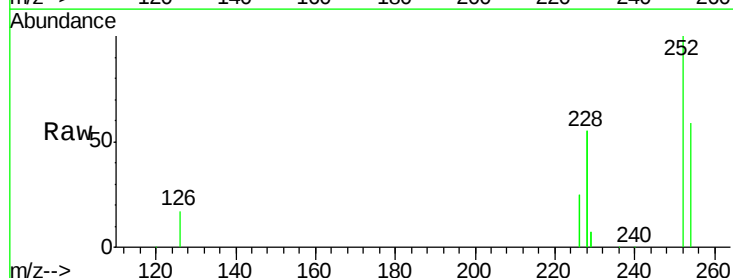
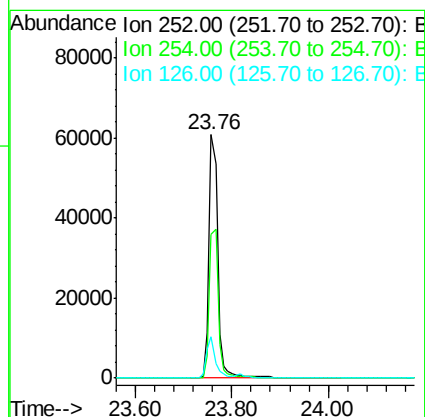
RT: 23.76 min Scan# 3862

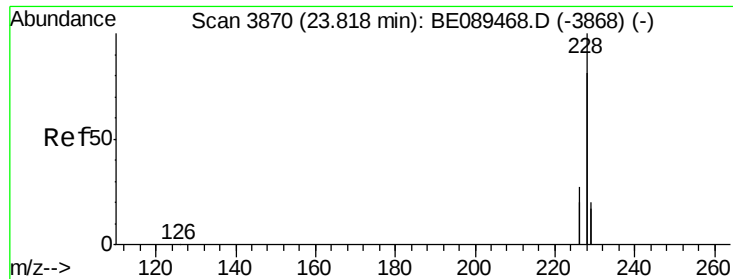
Delta R.T. 0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Tgt Ion:	252	Resp:	76812
Ion Ratio	Lower	Upper	
252	100		
254	59.0	48.6	73.0
126	17.3	12.4	18.6





#25

Chrysene

Concen: 4.63 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

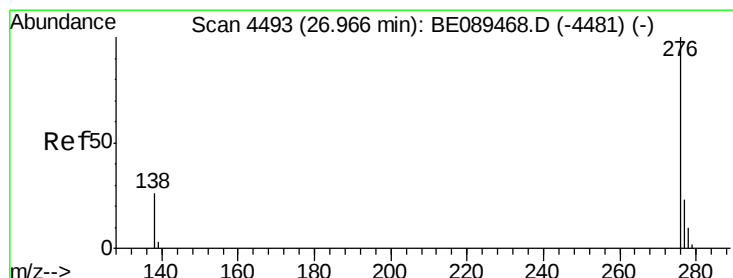
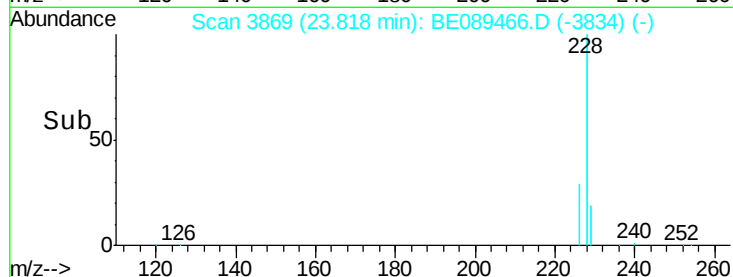
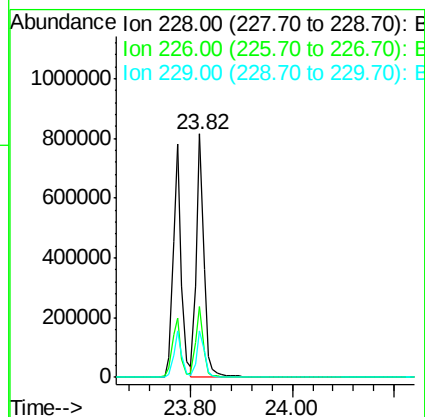
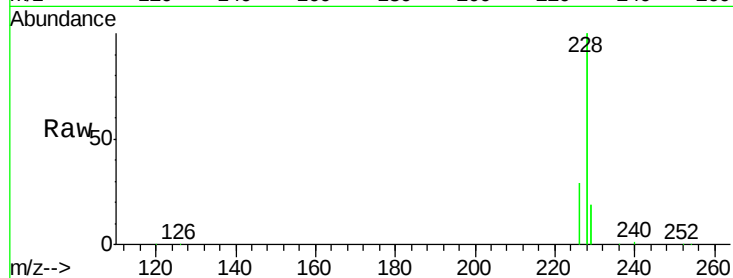
LabSampleId :

SSTDIC005

Tgt Ion:	228	Resp:	844663
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.8	32.8
229	18.9	16.2	24.2

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 4.55 ng

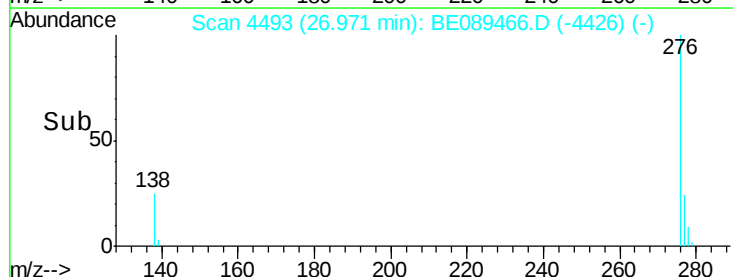
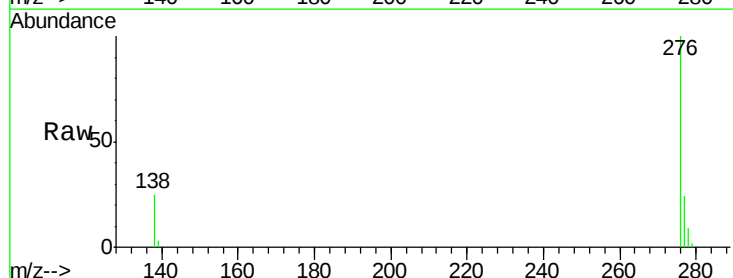
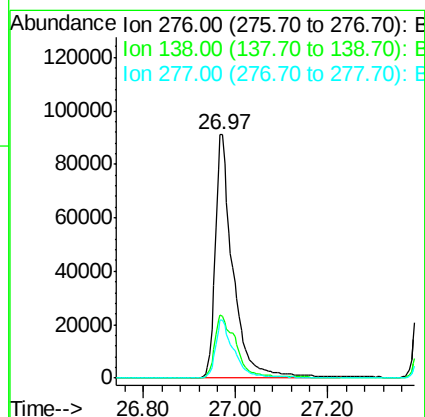
RT: 26.97 min Scan# 4493

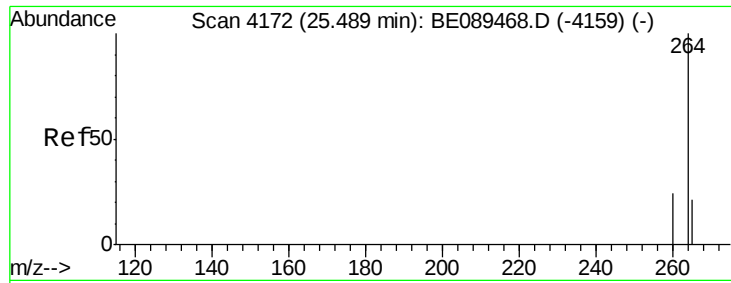
Delta R.T. 0.01 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

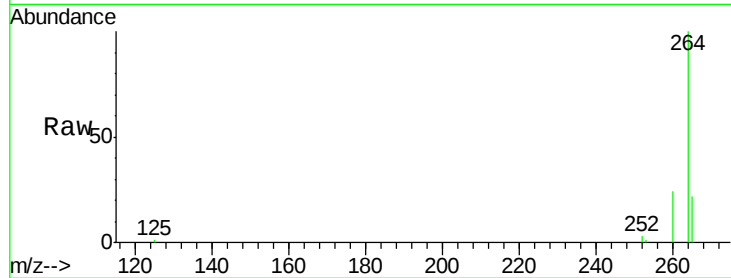
Tgt Ion:	276	Resp:	243053
Ion Ratio	Lower	Upper	
276	100		
138	31.0	24.2	36.4
277	24.9	19.9	29.9





#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4171
 Delta R.T. 0.00 min
 Lab File: BE089466.D
 Acq: 3 Feb 2015 16:19

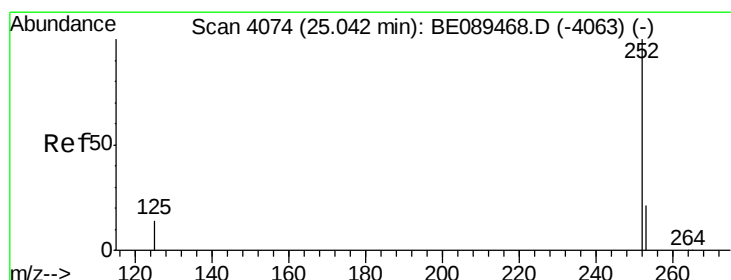
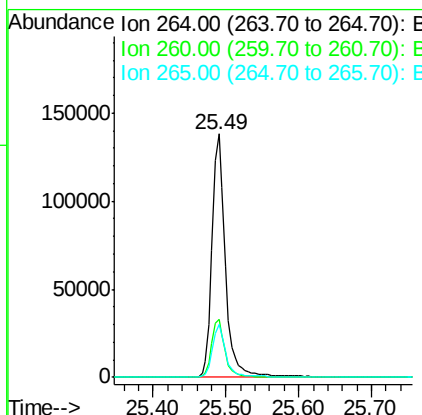
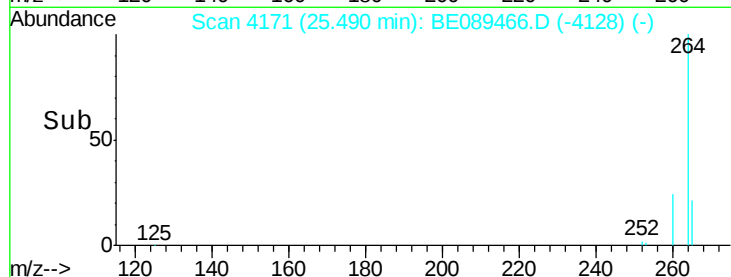
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005



Tgt Ion: 264 Resp: 177028
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.6 17.0 25.6

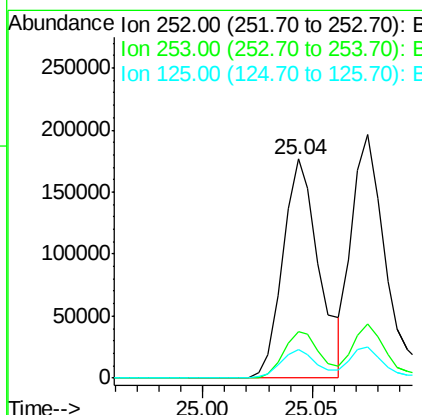
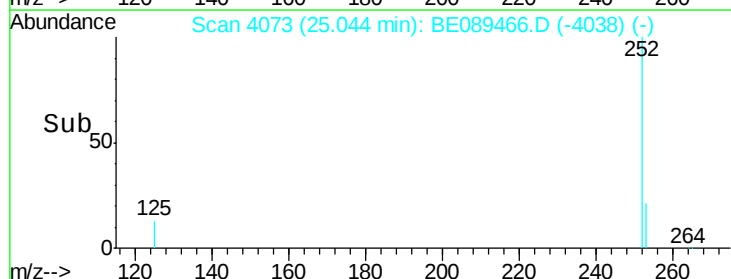
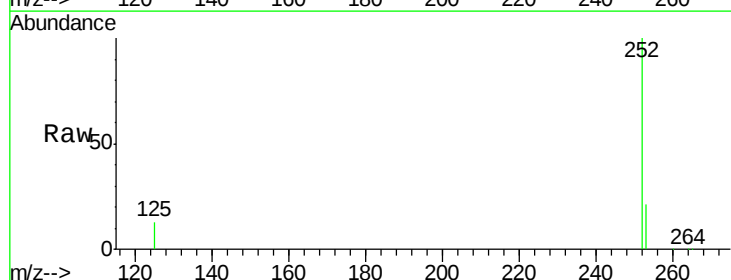
Manual Integrations
 APPROVED

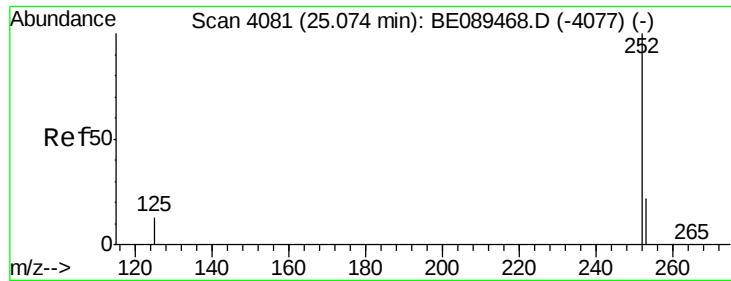
apatel
 2/4/2015 2:54:50 PM



#28
 Benzo(b)fluoranthene
 Concen: 8.45 ng
 RT: 25.04 min Scan# 4073
 Delta R.T. 0.00 min
 Lab File: BE089466.D
 Acq: 3 Feb 2015 16:19

Tgt Ion: 252 Resp: 204174
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.4 26.2
 125 13.2 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 5.16 ng

RT: 25.08 min Scan# 4080

Delta R.T. 0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

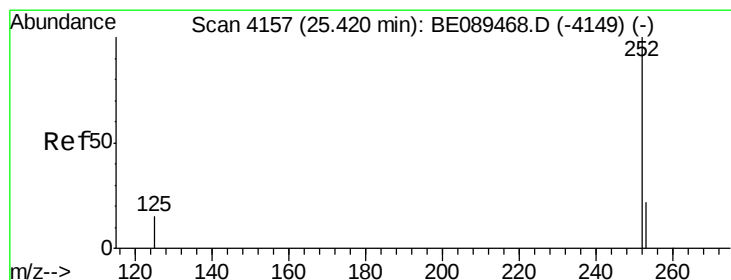
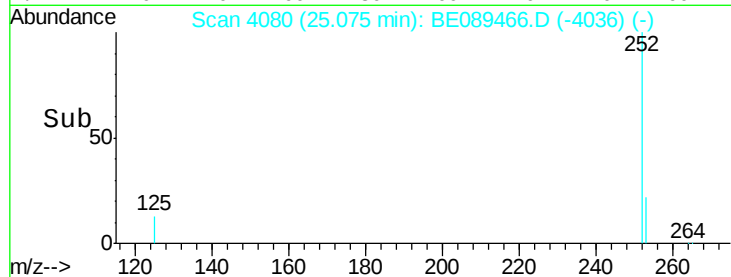
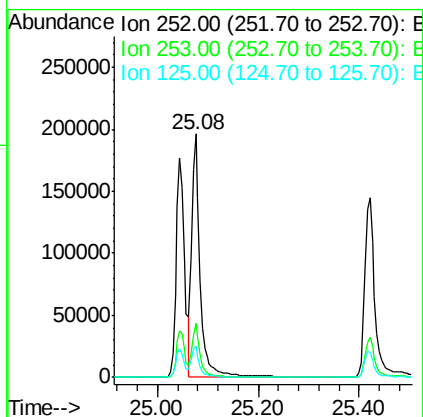
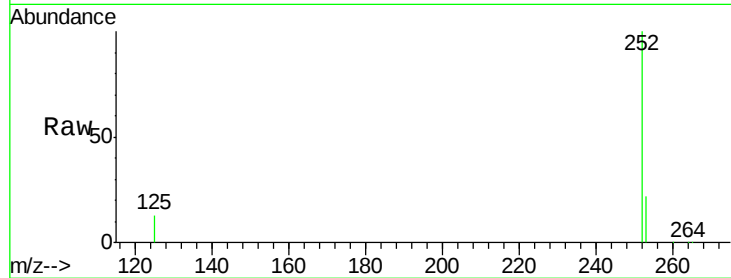
LabSampleId :

SSTDICC005

Tgt	Ion	252	Resp:	229176
Ion	Ratio	Lower	Upper	
252	100			
253	22.2	17.9	26.9	
125	12.7	10.6	15.8	

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM



#30

Benzo(a)pyrene

Concen: 7.04 ng

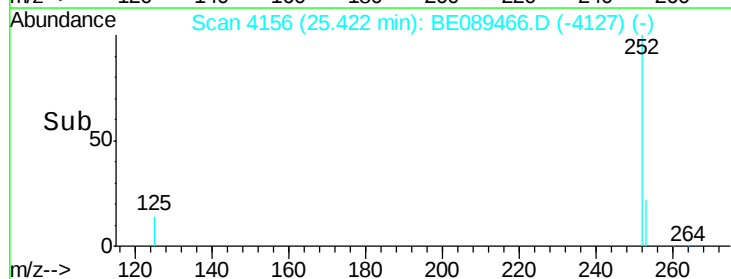
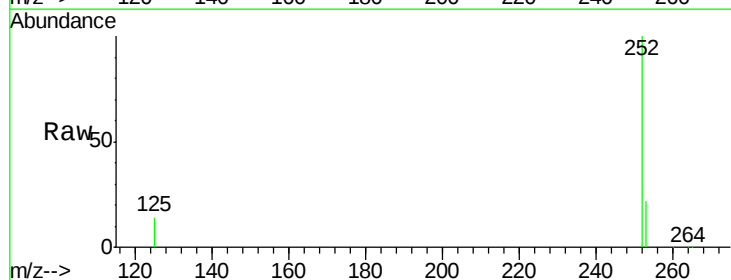
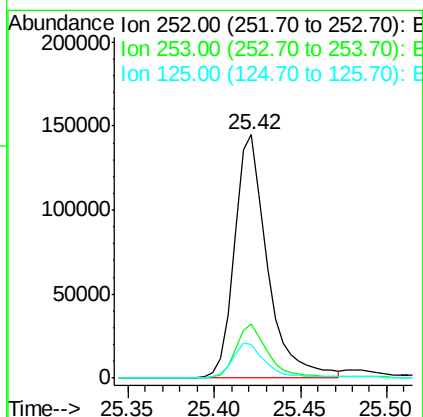
RT: 25.42 min Scan# 4156

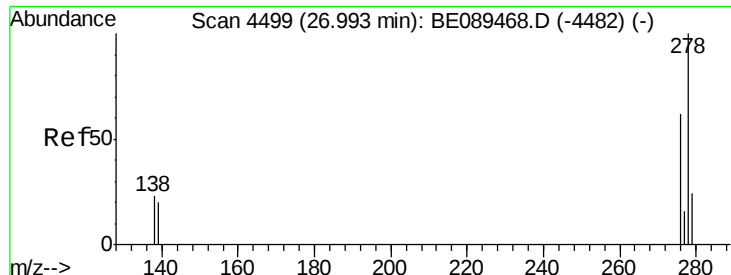
Delta R.T. 0.00 min

Lab File: BE089466.D

Acq: 3 Feb 2015 16:19

Tgt	Ion	252	Resp:	190845
Ion	Ratio	Lower	Upper	
252	100			
253	22.0	18.2	27.2	
125	14.1	12.2	18.4	





#31

Dibenzo(a,h)anthracene

Concen: 6.41 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.01 min

Lab File: BE089466.D

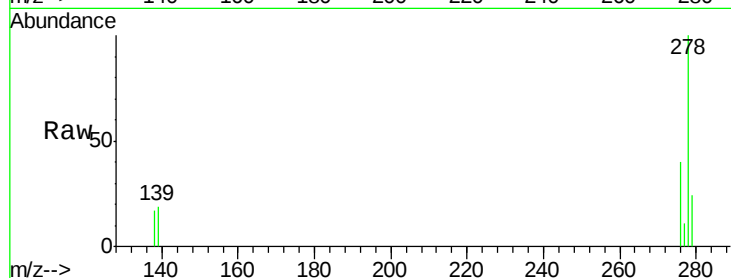
Acq: 3 Feb 2015 16:19

Instrument :

BNA_E

LabSampleId :

SSTDIC005



Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	16.8	25.2
279	23.8	19.4	29.0

Manual Integrations
APPROVED

apatel
2/4/2015 2:54:50 PM

