

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089576.D
 Acq On : 16 Feb 2015 19:08
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Manual Integrations
 APPROVED

apatel
 2/17/2015 3:36:25 PM

Quant Time: Feb 17 03:39:03 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 18:23:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	74167	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	300383	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	146164	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	278323	5.00	ng	0.00
20) Chrysene-d12	23.66	240	272254	5.00	ng	0.00
27) Perylene-d12	25.34	264	244090	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	2036	0.10	ng	0.00
4) Phenol-d6	8.63	99	2817	0.10	ng	0.00
8) Nitrobenzene-d5	10.61	82	1145	0.09	ng	0.00
14) 2,4,6-Tribromophenol	18.32	330	258	0.08	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	4043	0.10	ng	0.00
22) Terphenyl-d14	22.30	244	3711	0.10	ng	0.00

Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.49	42	904m	0.08	ng	
5) Phenol	8.66	94	2996	0.10	ng	89
6) bis(2-Chloroethyl)ether	8.83	93	2241	0.10	ng	# 98
9) Nitrobenzene	10.65	77	1217	0.08	ng	99
10) 2,4-Dimethylphenol	11.59	122	1601	0.09	ng	97
11) 2,4-Dichlorophenol	11.97	162	1286	0.09	ng	92
12) Hexachlorobutadiene	12.64	225	996	0.11	ng	98
18) Hexachlorobenzene	18.99	284	1224	0.10	ng	# 77
19) Pentachlorophenol	19.45	266	196	0.09	ng	# 83
21) Benzidine	21.97	184	1373	0.06	ng	# 84
23) Benzo(a)anthracene	23.64	228	24221	0.09	ng	96
24) 3,3'-Dichlorobenzidine	23.63	252	1015	0.05	ng	# 94
25) Chrysene	23.69	228	28070	0.11	ng	98
26) Indeno(1,2,3-cd)pyrene	26.75	276	3294	0.05	ng	# 81
28) Benzo(b)fluoranthene	24.91	252	3023	0.06	ng	# 96
29) Benzo(k)fluoranthene	24.94	252	5320	0.08	ng	# 98
30) Benzo(a)pyrene	25.28	252	2792	0.06	ng	# 92
31) Dibenzo(a,h)anthracene	26.78	278	2454	0.05	ng	92

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

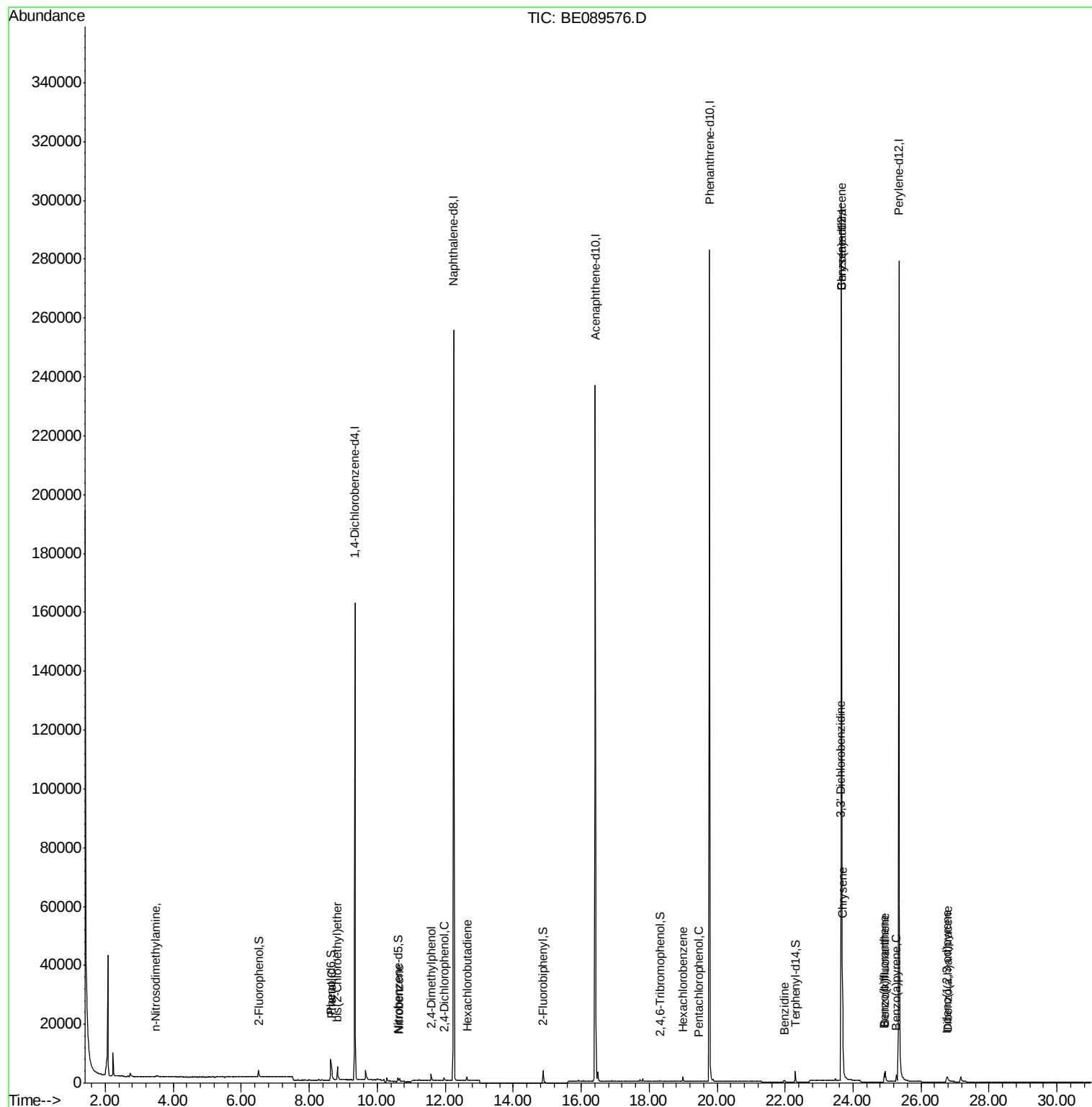
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
Data File : BE089576.D
Acq On : 16 Feb 2015 19:08
Operator : TP/IZ
Sample : SSTDICC0.1
Misc :
ALS Vial : 9 Sample Multiplier: 1

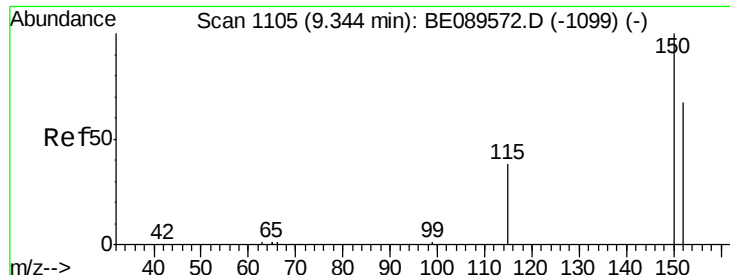
Instrument :
BNA_E
LabSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM

Quant Time: Feb 17 03:39:03 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE021615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 16 18:23:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

Tot Ion:152 Resp: 74167

Ion Ratio Lower Upper

152 100

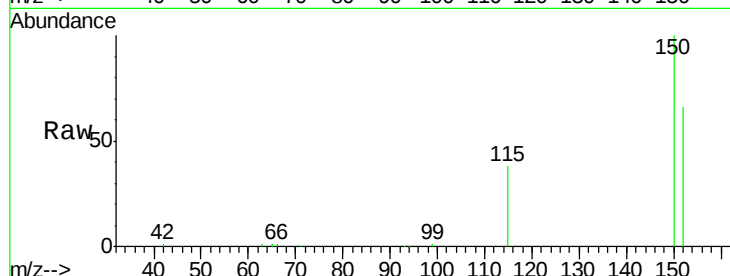
150 152.5 120.2 180.2

115 57.4 45.2 67.8

Manual Integrations
APPROVED

apatel

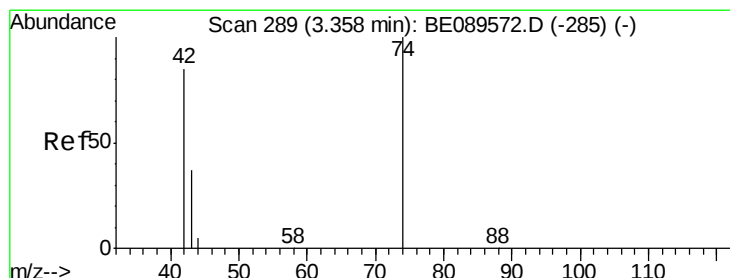
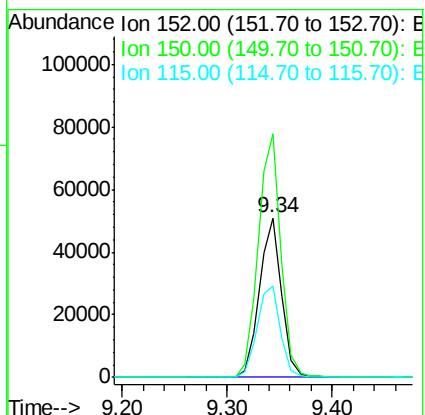
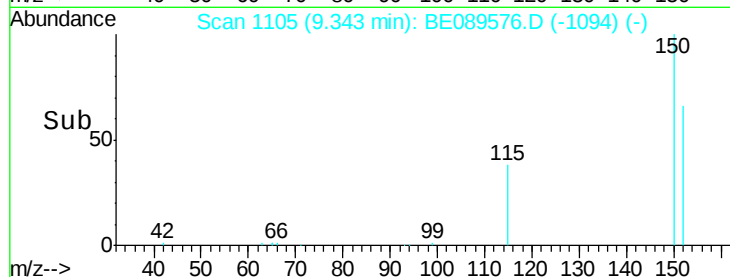
2/17/2015 3:36:25 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.49 min Scan# 309

Delta R.T. 0.13 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

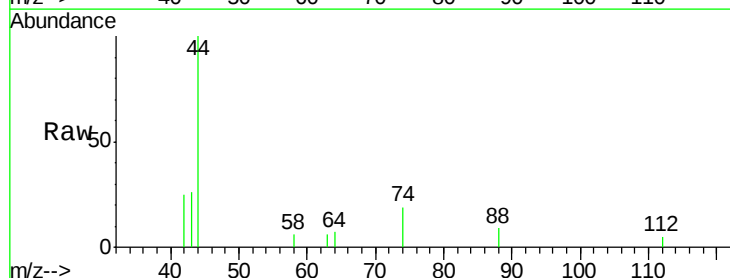
Tgt Ion: 42 Resp: 904

Ion Ratio Lower Upper

42 100

74 75.6 90.1 135.1#

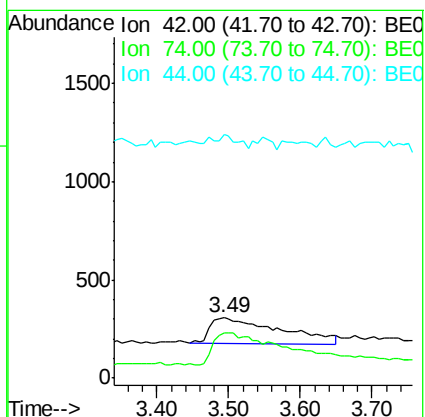
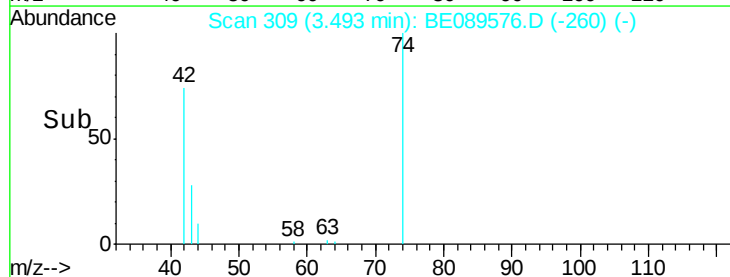
44 403.6 35.0 52.4#

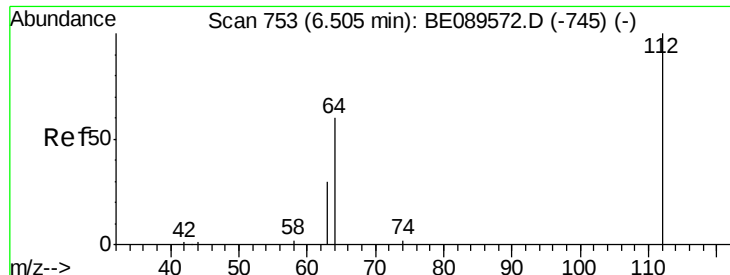


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 0.10 ng

RT: 6.51 min Scan# 754

Delta R.T. 0.01 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

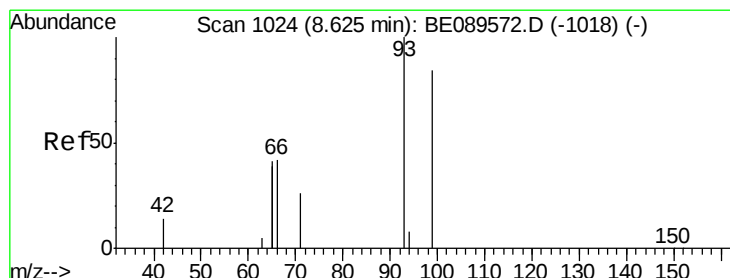
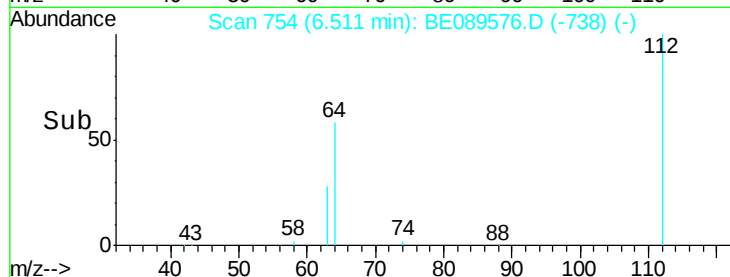
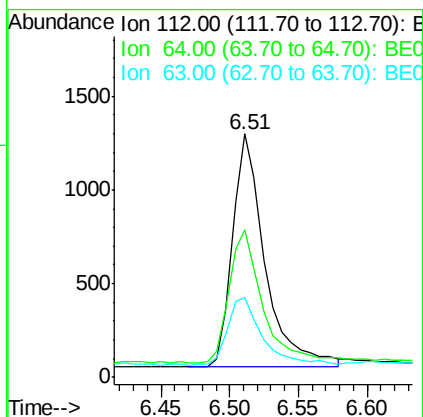
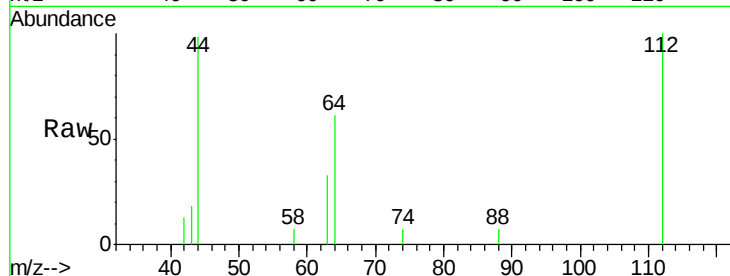
LabSampleId :

SSTDICC0.1

Tot Ion:	112	Resp:	2036
Ion Ratio	Lower	Upper	
112	100		
64	60.8	48.6	72.8
63	32.6	24.6	37.0

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#4

Phenol-d6

Concen: 0.10 ng

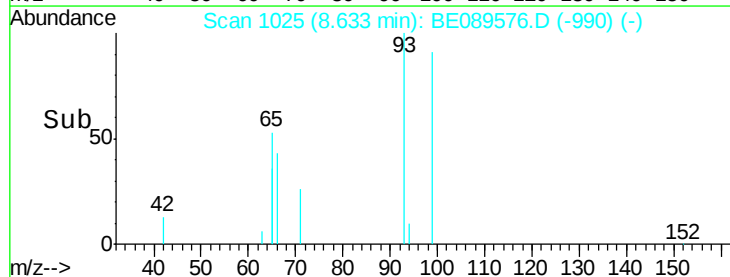
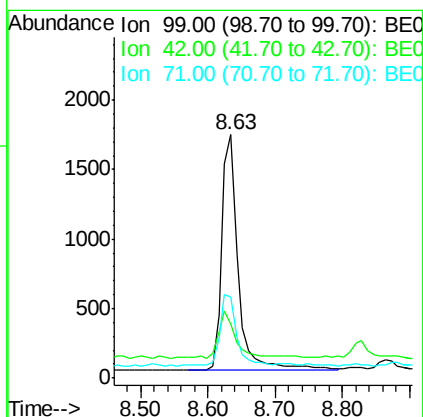
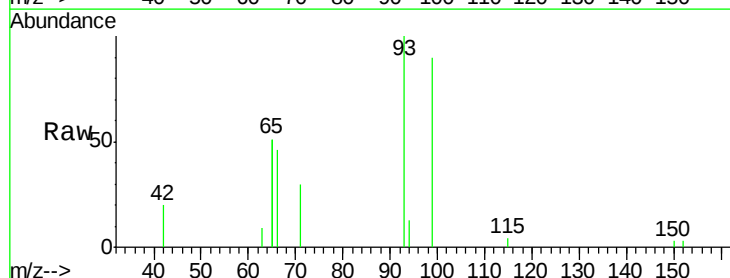
RT: 8.63 min Scan# 1025

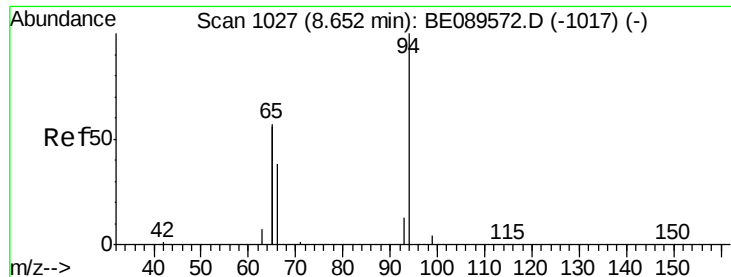
Delta R.T. 0.01 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Tgt Ion:	99	Resp:	2817
Ion Ratio	Lower	Upper	
99	100		
42	22.3	13.9	20.9#
71	33.3	25.2	37.8





#5

Phenol

Concen: 0.10 ng

RT: 8.66 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

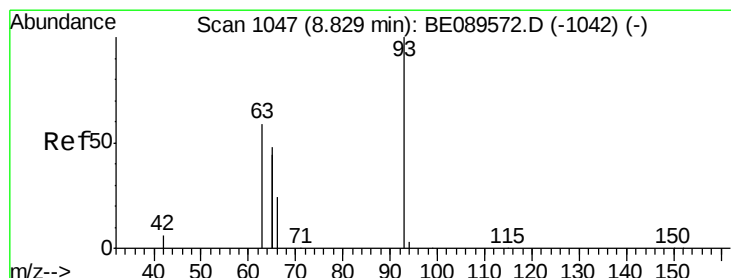
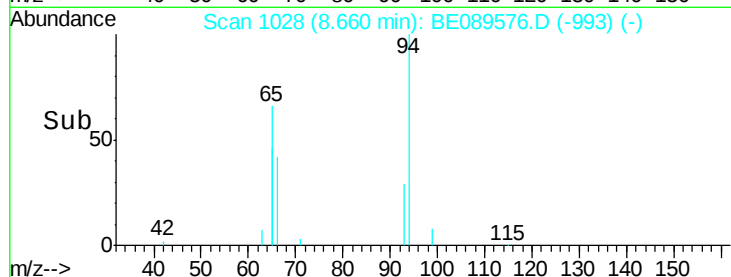
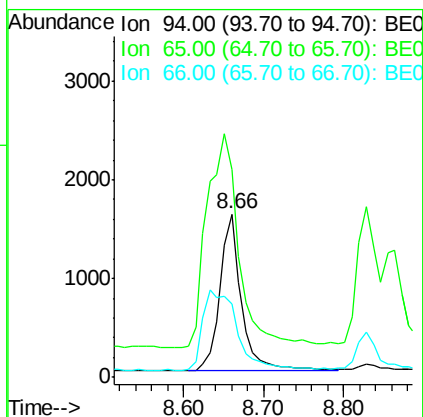
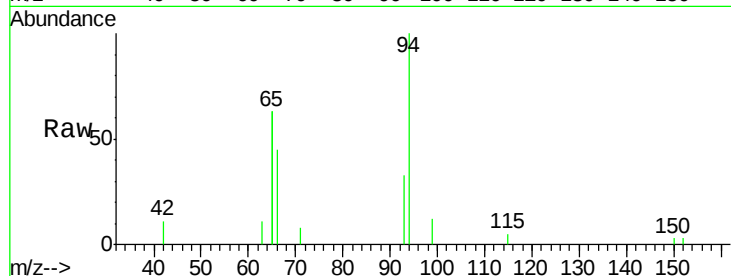
LabSampleId :

SSTDIC0.1

Tot Ion:	94	Resp:	2996
Ion	Ratio	Lower	Upper
94	100		
65	126.7	94.5	134.5
66	44.6	18.2	58.2

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

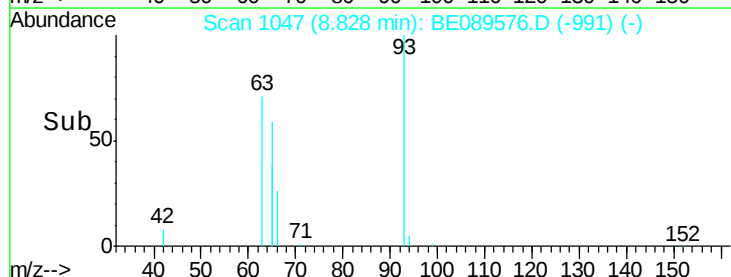
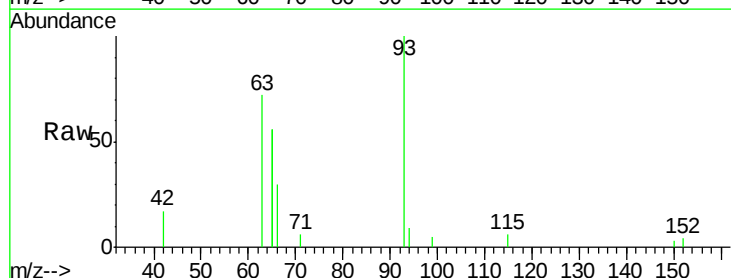
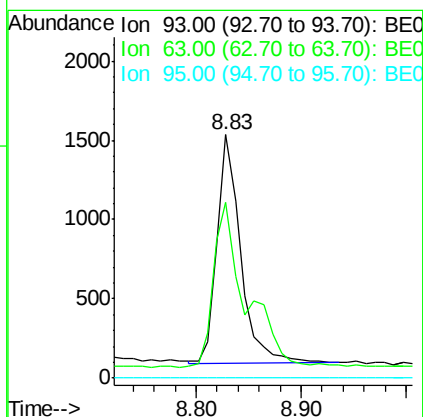
RT: 8.83 min Scan# 1047

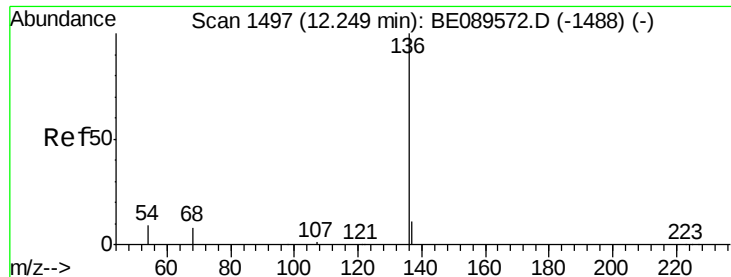
Delta R.T. -0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Tgt Ion:	93	Resp:	2241
Ion	Ratio	Lower	Upper
93	100		
63	100.5	81.7	122.5
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

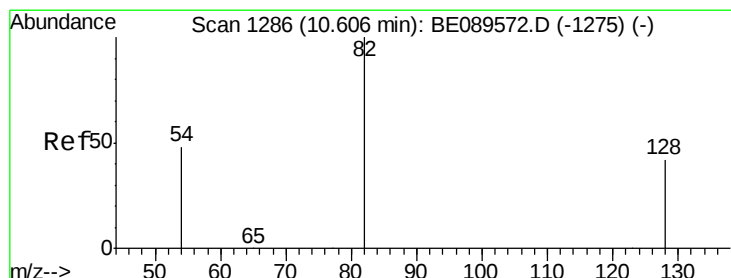
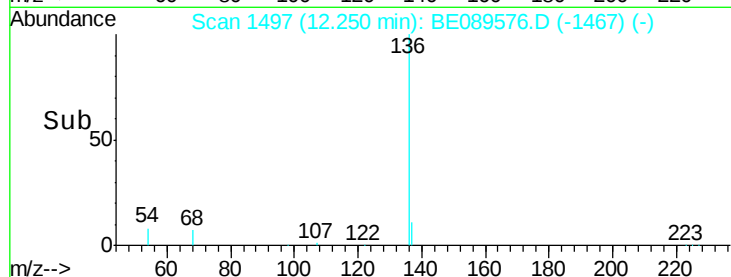
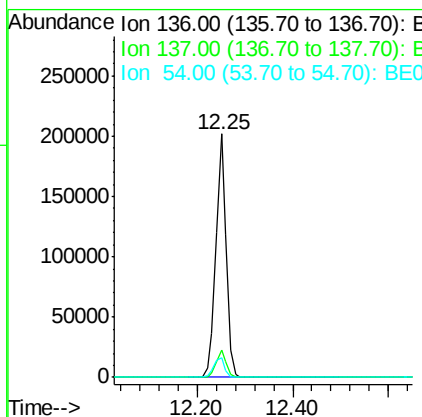
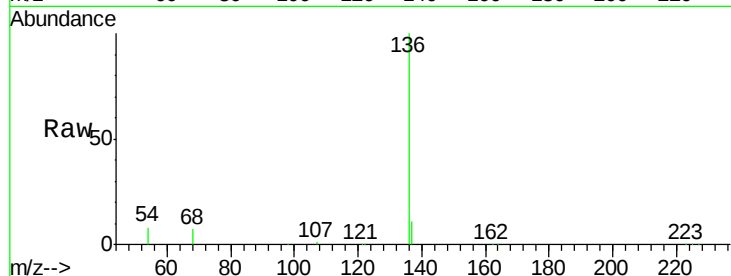
LabSampleId :

SSTDIC0.1

Tot Ion:	136	Resp:	300383
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	7.9	7.0	10.4

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#8

Nitrobenzene-d5

Concen: 0.09 ng

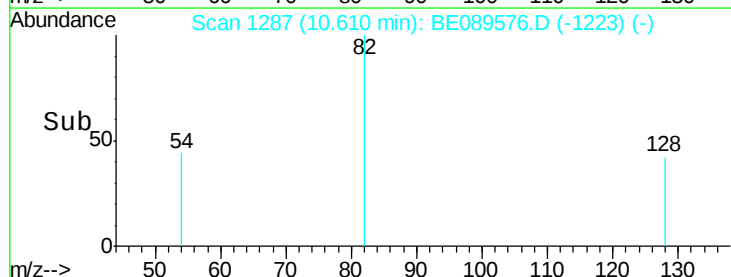
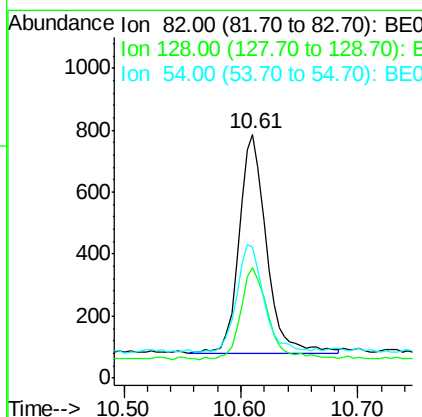
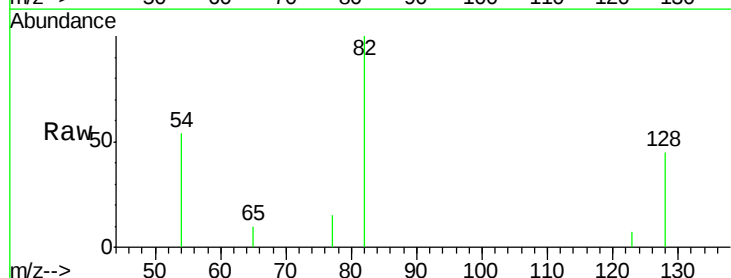
RT: 10.61 min Scan# 1287

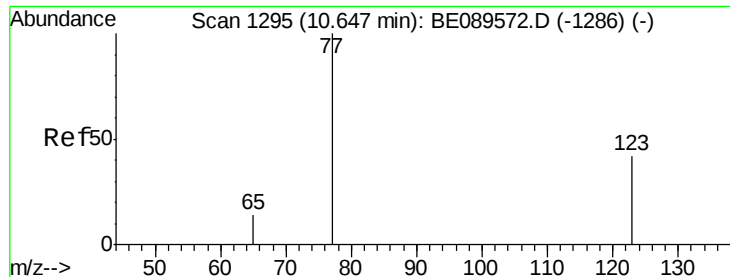
Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Tgt Ion:	82	Resp:	1145
Ion Ratio	Lower	Upper	
82	100		
128	45.4	33.8	50.6
54	53.8	39.0	58.6





#9

Nitrobenzene

Concen: 0.08 ng

RT: 10.65 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

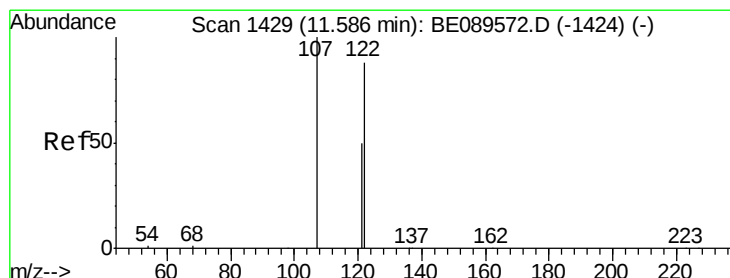
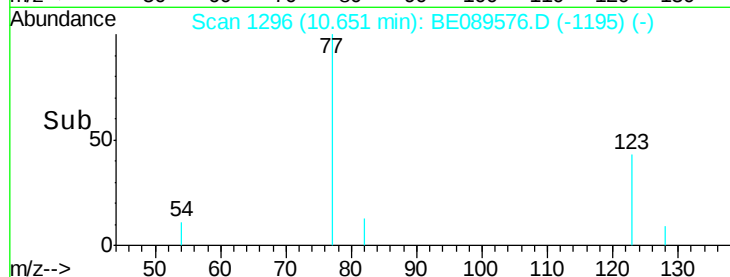
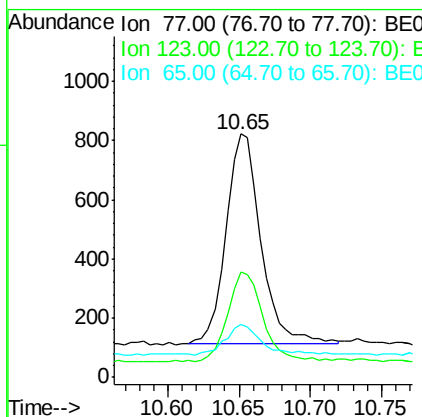
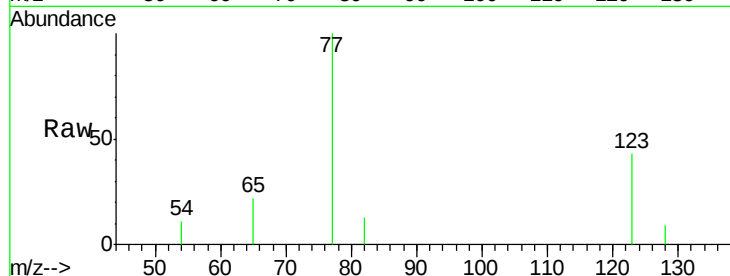
LabSampleId :

SSTDIC0.1

Tot Ion:	77	Resp:	1217
Ion	Ratio	Lower	Upper
77	100		
123	42.2	34.4	51.6
65	13.6	11.4	17.2

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#10

2,4-Dimethylphenol

Concen: 0.09 ng

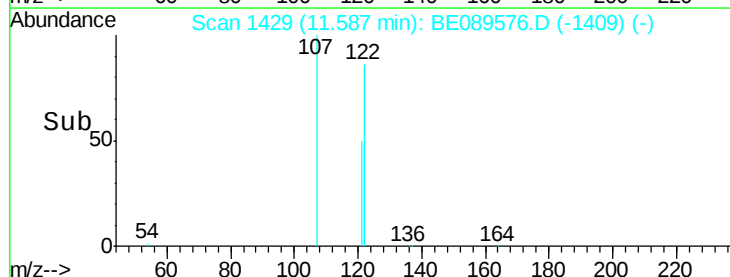
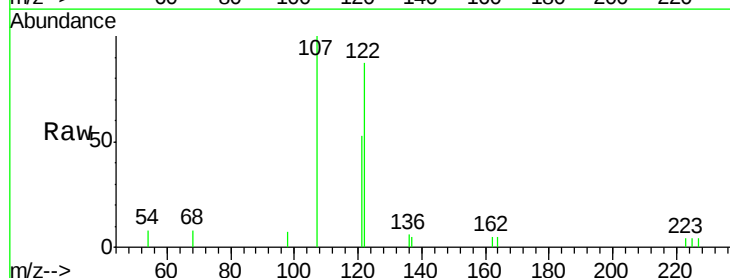
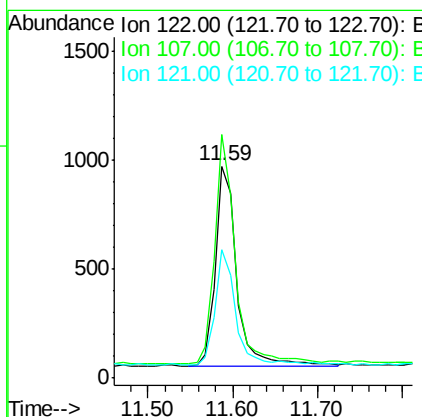
RT: 11.59 min Scan# 1429

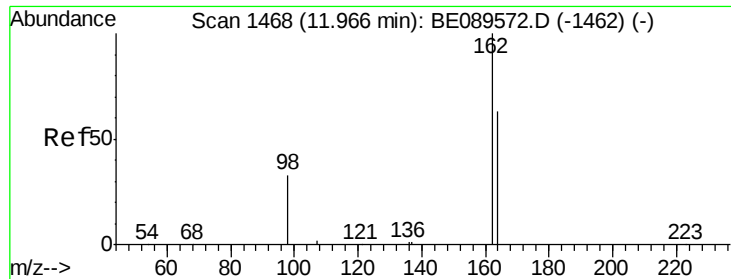
Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Tgt Ion:	122	Resp:	1601
Ion	Ratio	Lower	Upper
122	100		
107	115.0	90.9	136.3
121	60.5	45.4	68.2





#11

2,4-Dichlorophenol

Concen: 0.09 ng

RT: 11.97 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

Tot Ion:162 Resp: 1286

Ion Ratio Lower Upper

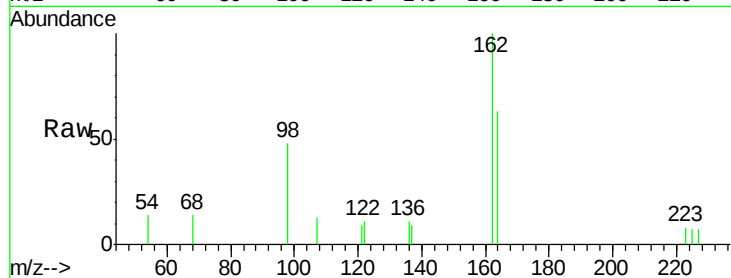
162 100

164 63.3 43.4 83.4

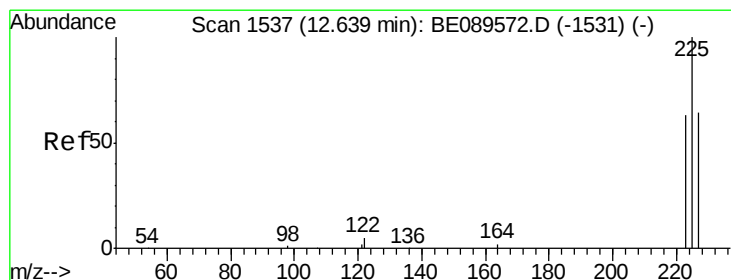
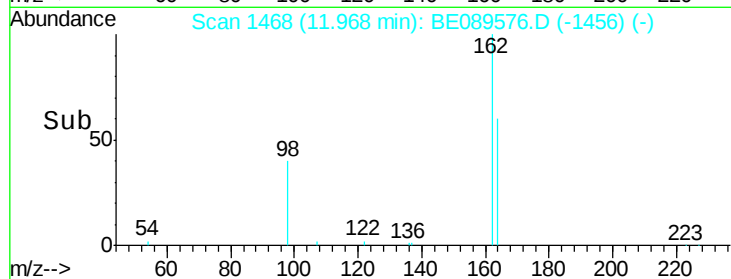
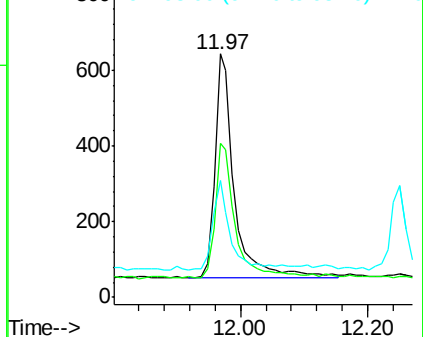
98 48.2 14.6 54.6

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



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



#12

Hexachlorobutadiene

Concen: 0.11 ng

RT: 12.64 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

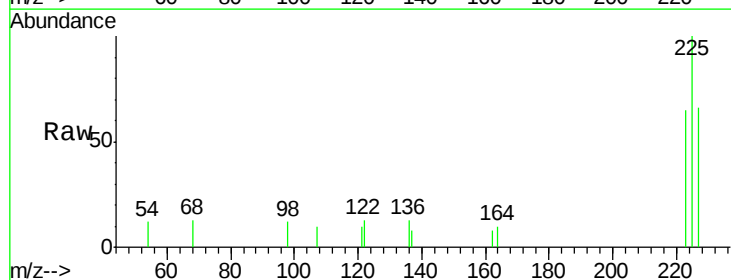
Tgt Ion:225 Resp: 996

Ion Ratio Lower Upper

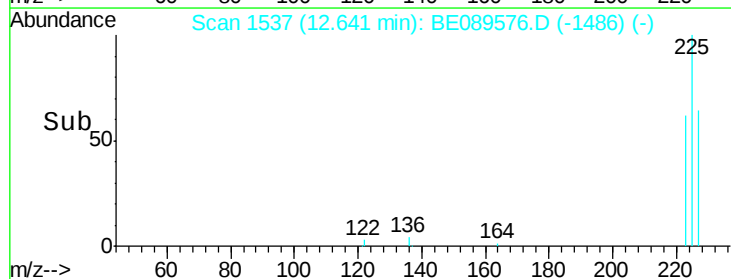
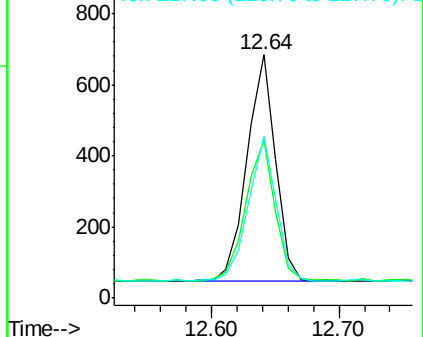
225 100

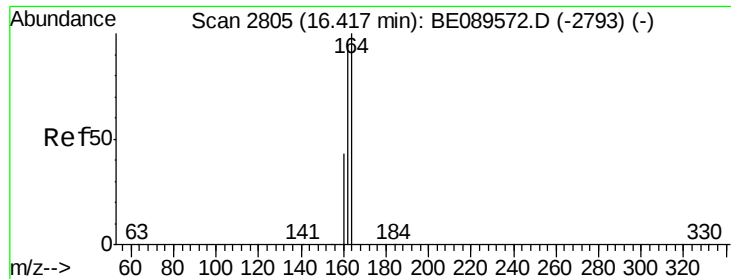
223 62.4 50.4 75.6

227 61.0 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2803

Delta R.T. -0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

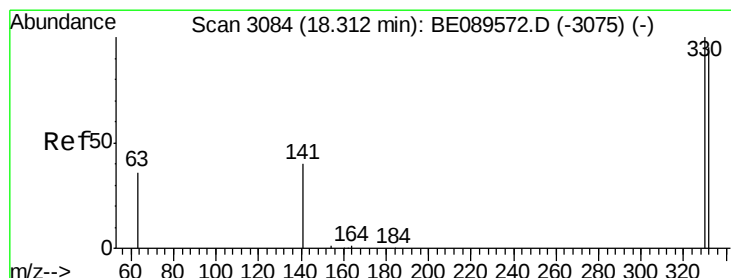
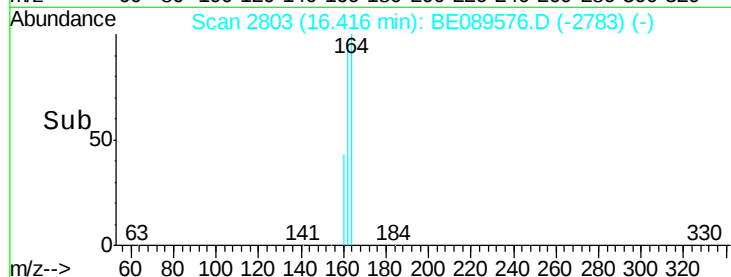
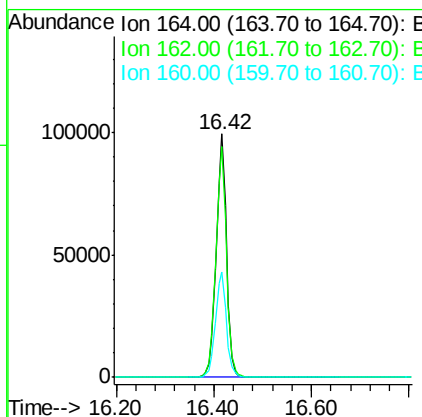
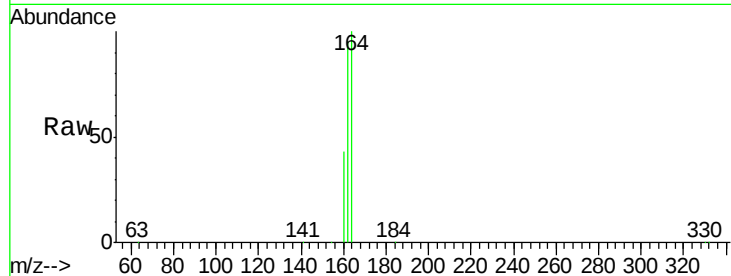
LabSampleId :

SSTDIC0.1

Tot Ion:	164	Resp:	146164
Ion Ratio	Lower	Upper	
164	100		
162	94.6	76.2	114.4
160	43.1	34.7	52.1

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#14

2,4,6-Tribromophenol

Concen: 0.08 ng

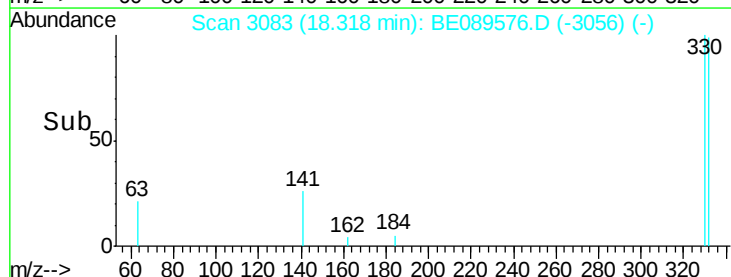
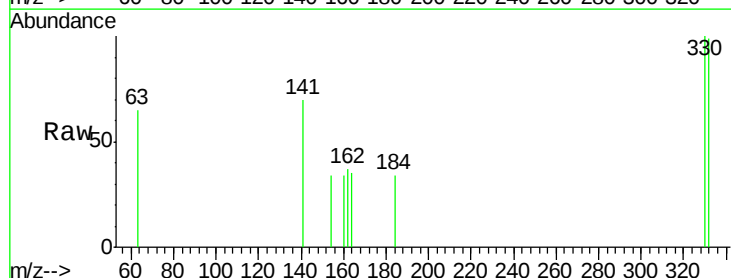
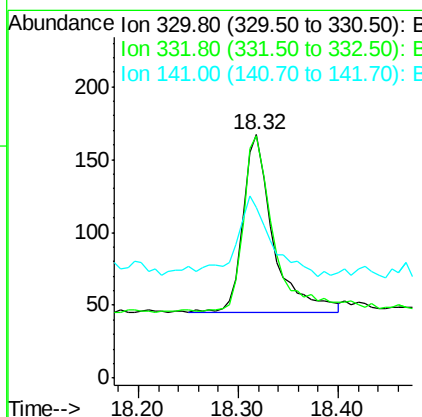
RT: 18.32 min Scan# 3083

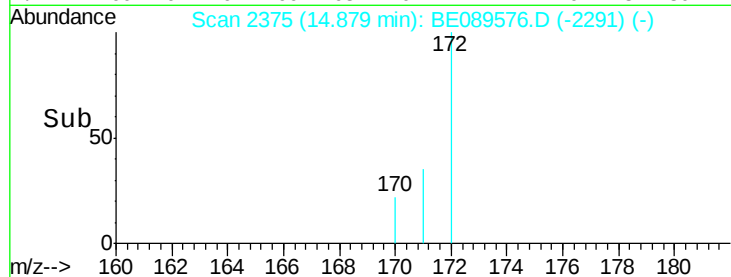
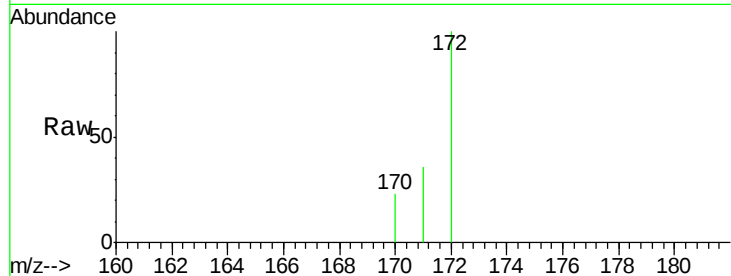
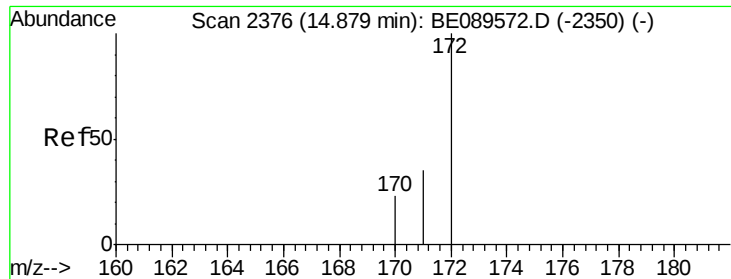
Delta R.T. 0.01 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Tgt Ion:	330	Resp:	258
Ion Ratio	Lower	Upper	
330	100		
332	101.9	78.3	117.5
141	50.8	33.4	50.0#





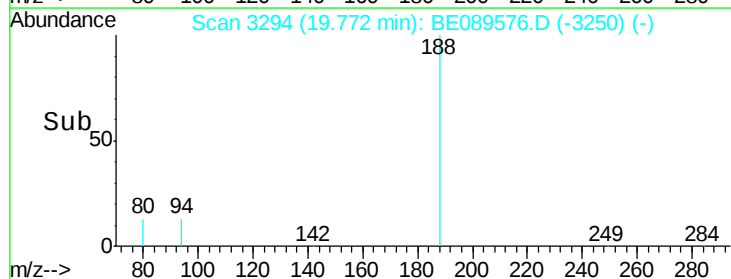
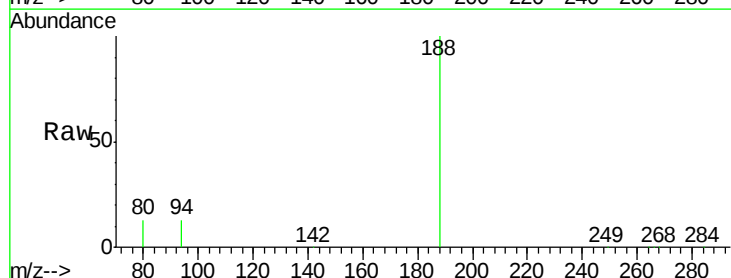
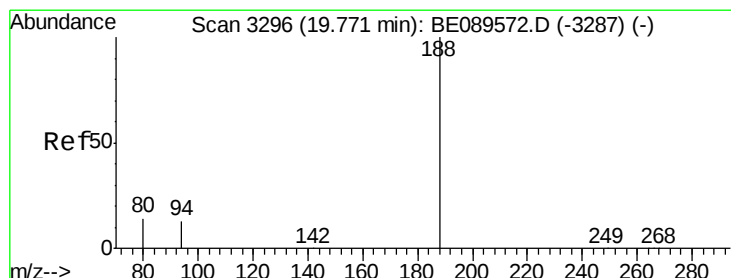
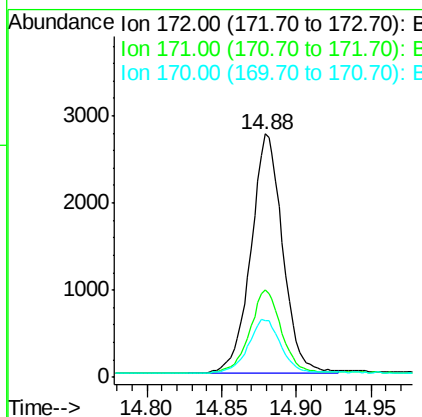
#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 14.88 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	23.2	18.5	27.7

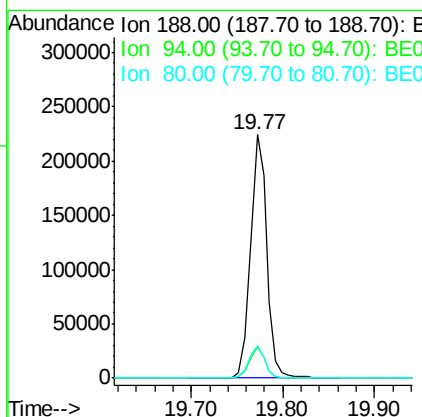
Manual Integrations
APPROVED

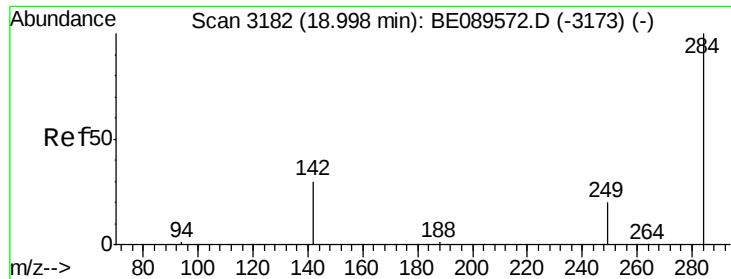
apatel
2/17/2015 3:36:25 PM



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3294
Delta R.T. 0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.4
80	13.4	11.0	16.6





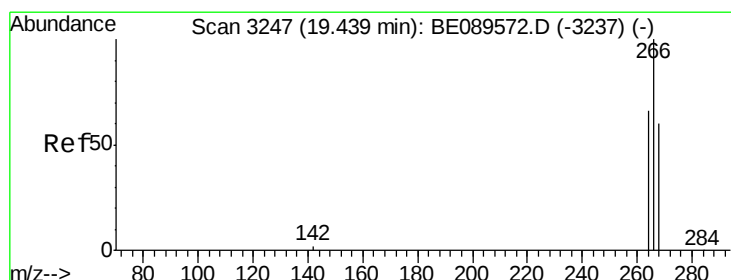
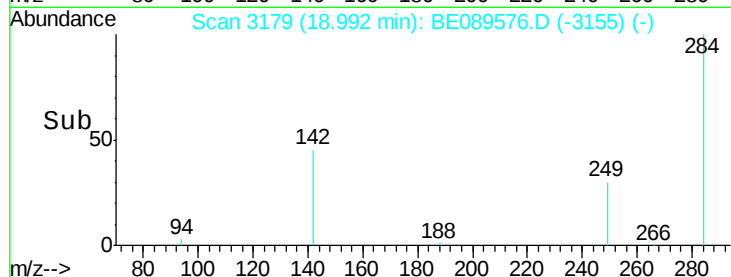
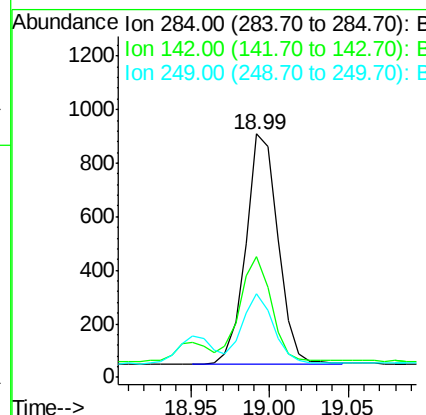
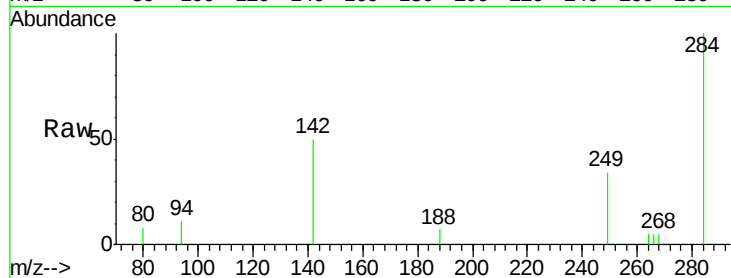
#18
Hexachlorobenzene
Concen: 0.10 ng
RT: 18.99 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
284	100		
142	49.5	27.6	41.4#
249	34.3	20.0	30.0#

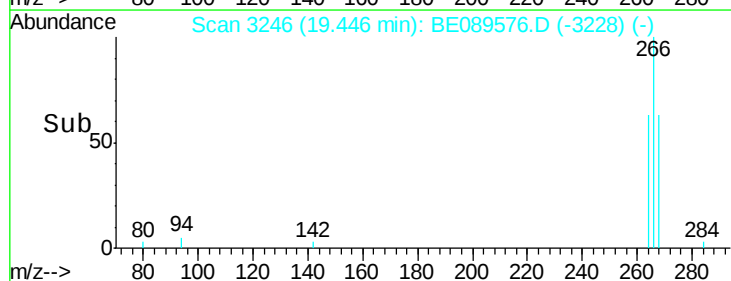
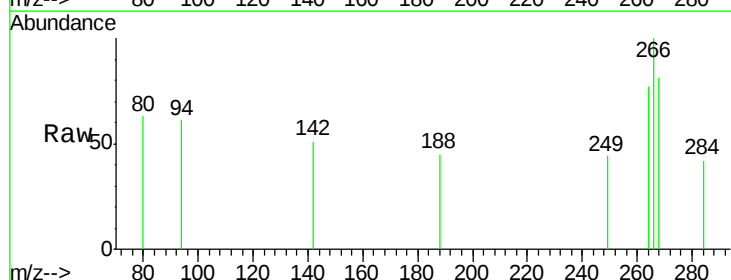
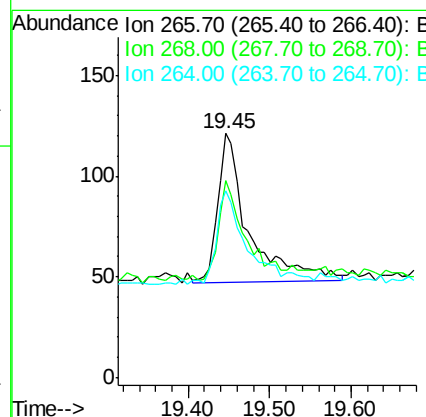
Manual Integrations
APPROVED

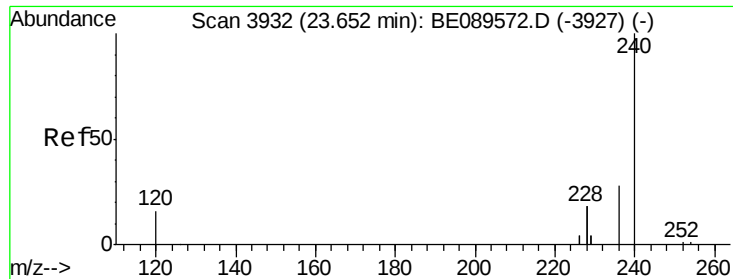
apatel
2/17/2015 3:36:25 PM



#19
Pentachlorophenol
Concen: 0.09 ng
RT: 19.45 min Scan# 3246
Delta R.T. 0.01 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	81.0	50.2	75.4#
264	76.9	54.4	81.6





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3932

Delta R.T. 0.01 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Instrument :

BNA_E

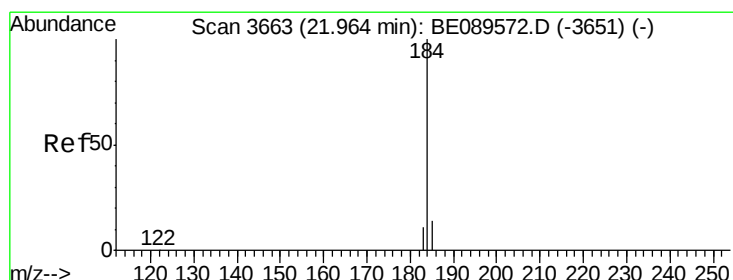
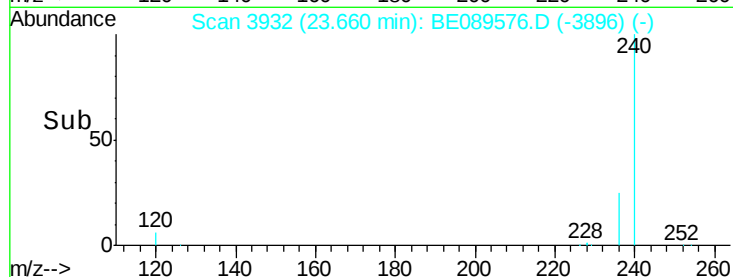
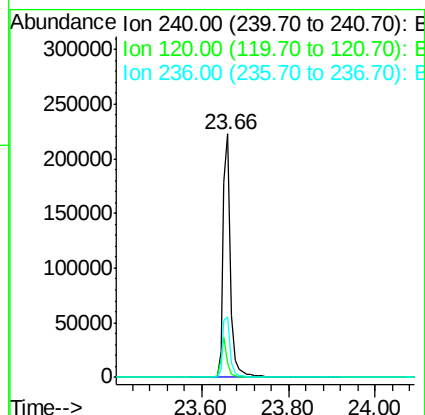
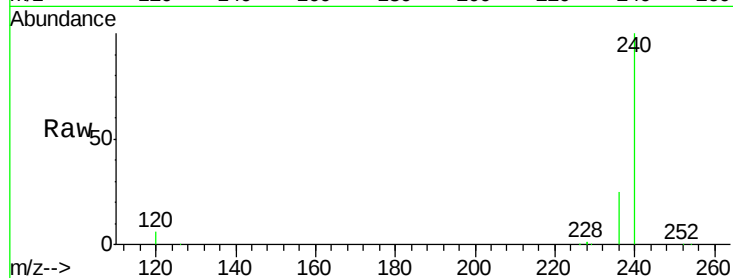
LabSampleId :

SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.9	12.7	19.1#
236	24.9	22.7	34.1

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#21

Benzidine

Concen: 0.06 ng

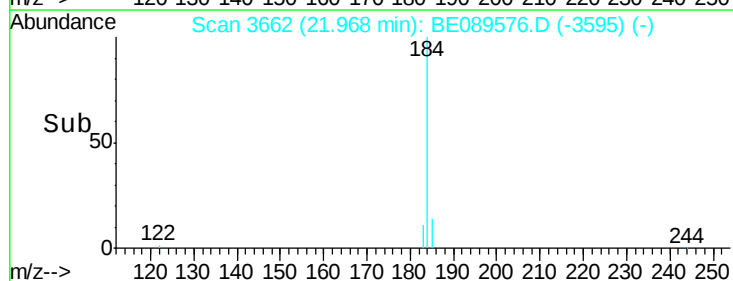
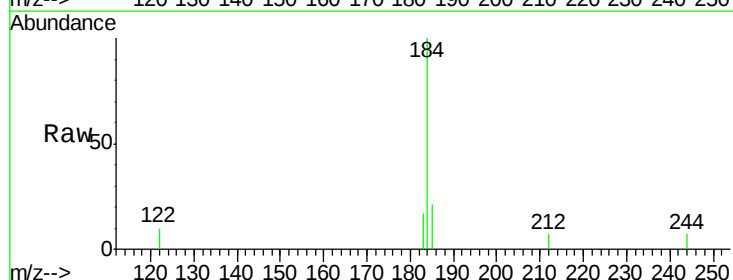
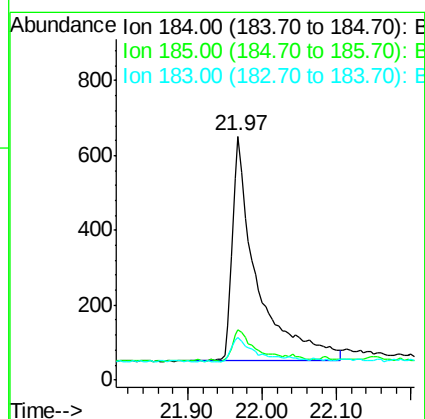
RT: 21.97 min Scan# 3662

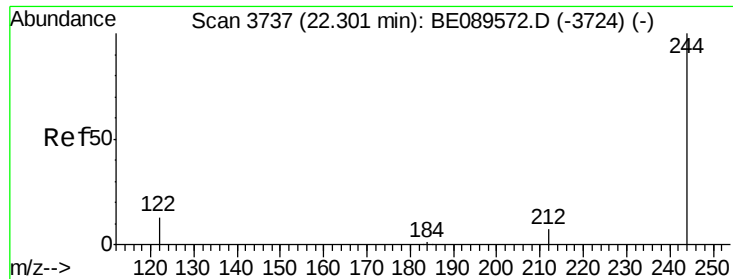
Delta R.T. 0.00 min

Lab File: BE089576.D

Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
184	100		
185	20.7	11.7	17.5#
183	17.4	8.9	13.3#





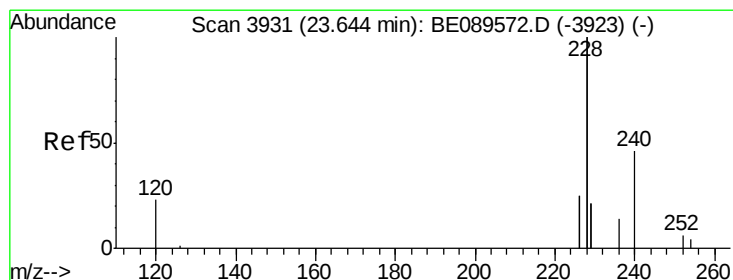
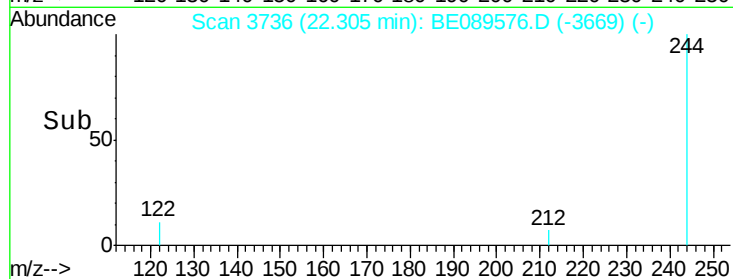
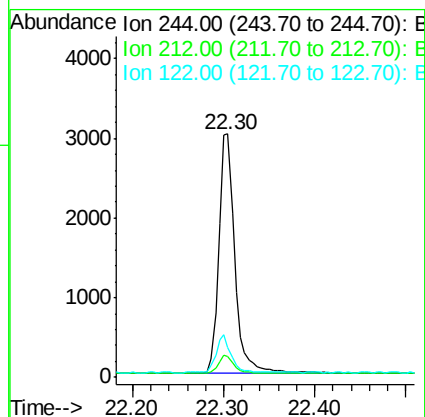
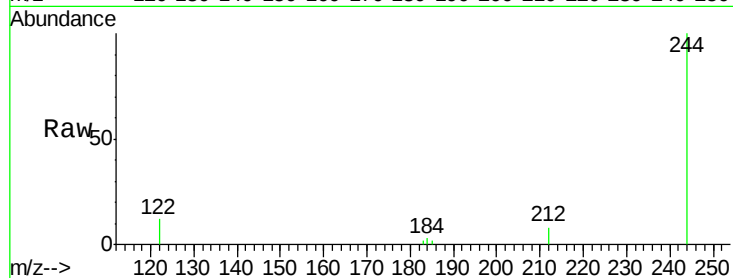
#22
 Terphenyl-d14
 Concen: 0.10 ng
 RT: 22.30 min Scan# 3736
 Delta R.T. 0.00 min
 Lab File: BE089576.D
 Acq: 16 Feb 2015 19:08

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.9	8.9
122	12.4	10.2	15.2

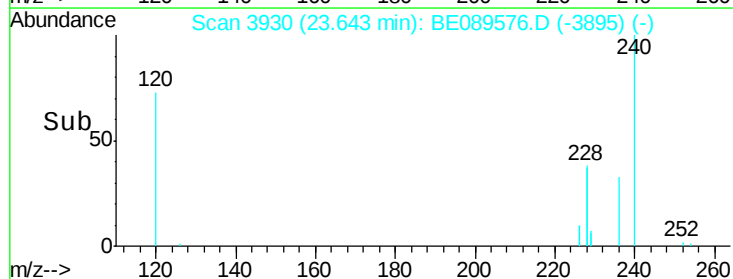
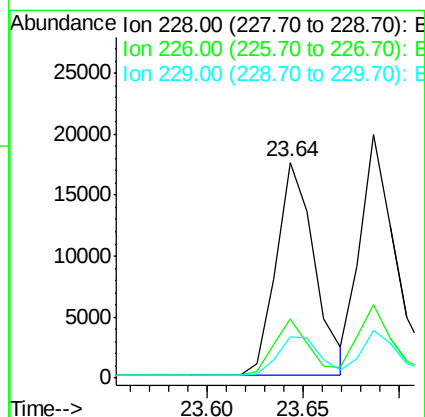
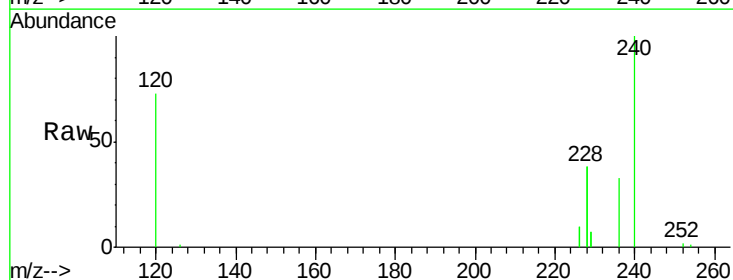
Manual Integrations
 APPROVED

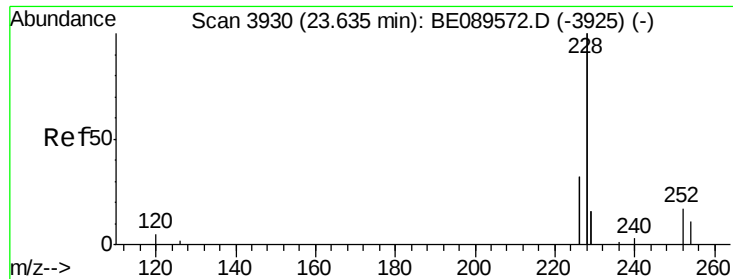
apatel
 2/17/2015 3:36:25 PM



#23
 Benzo(a)anthracene
 Concen: 0.09 ng
 RT: 23.64 min Scan# 3930
 Delta R.T. -0.00 min
 Lab File: BE089576.D
 Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	19.9	29.9
229	19.2	16.6	24.8





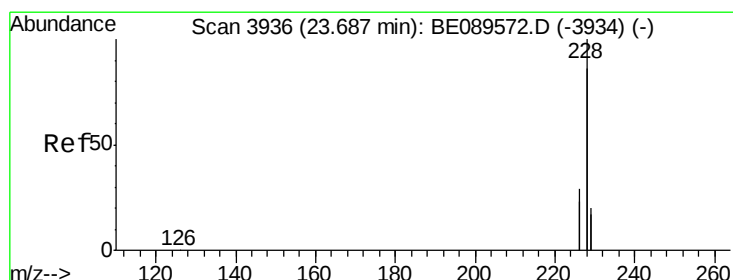
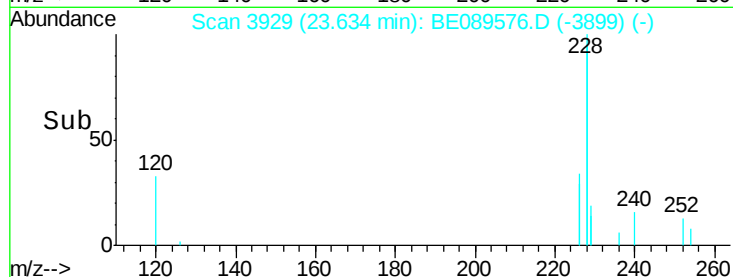
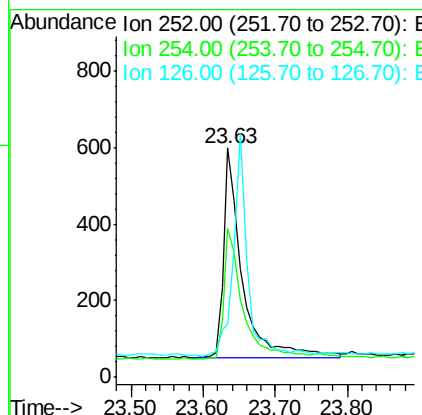
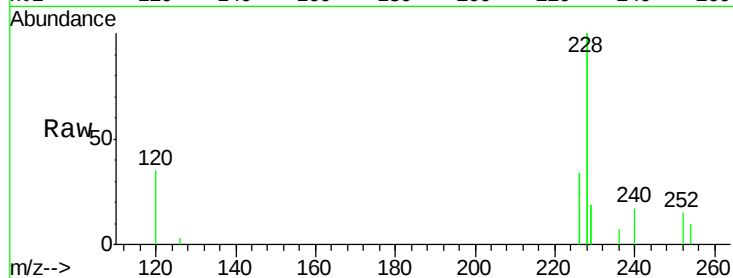
#24
 3,3'-Dichlorobenzidine
 Concen: 0.05 ng
 RT: 23.63 min Scan# 3929
 Delta R.T. -0.00 min
 Lab File: BE089576.D
 Acq: 16 Feb 2015 19:08

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.0	76.4
126	23.0	8.3	12.5

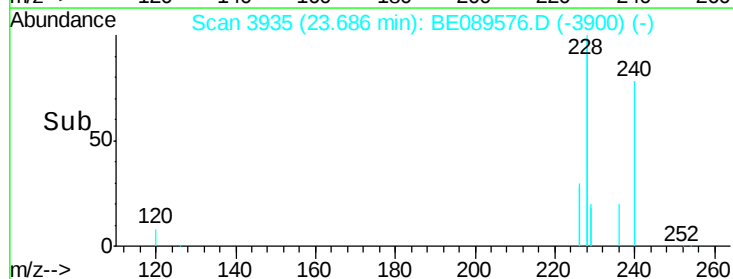
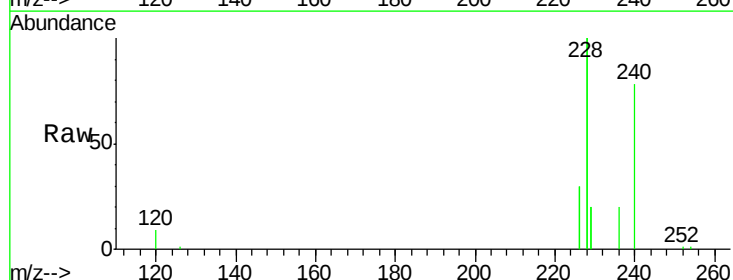
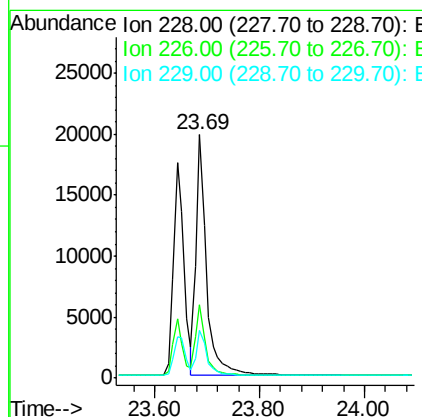
Manual Integrations
 APPROVED

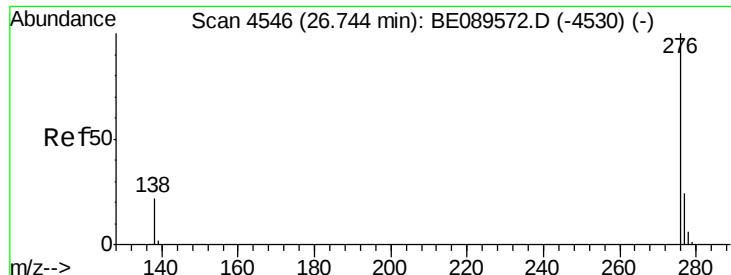
apatel
 2/17/2015 3:36:25 PM



#25
 Chrysene
 Concen: 0.11 ng
 RT: 23.69 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BE089576.D
 Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.9	34.3
229	19.8	15.8	23.6





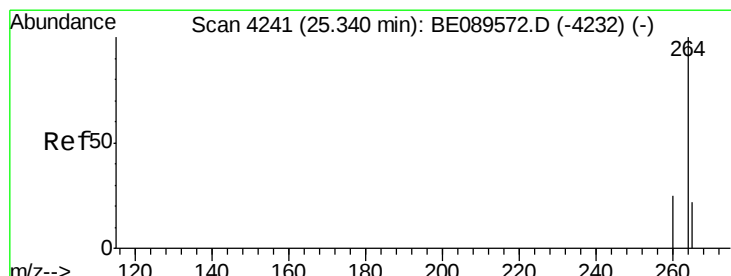
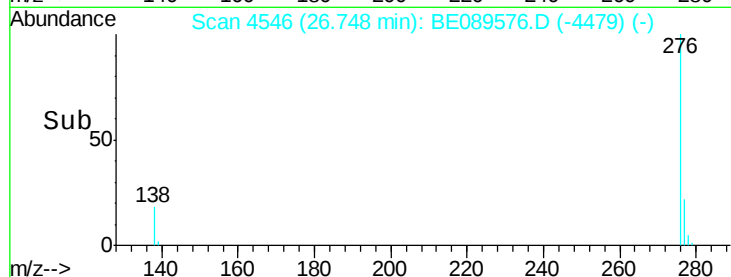
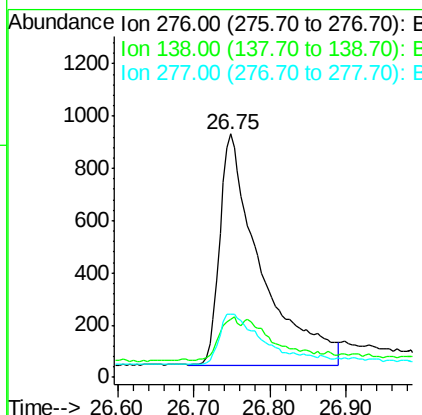
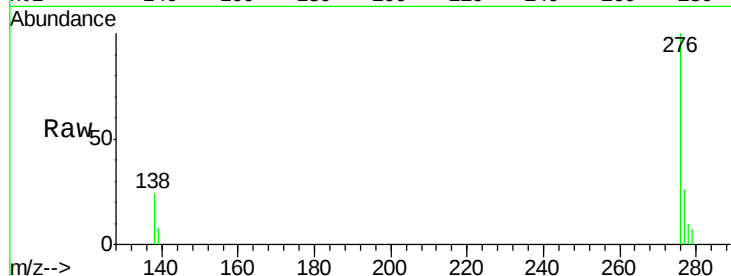
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 26.75 min Scan# 4546
Delta R.T. 0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.6	22.1	33.1#
277	23.5	19.4	29.2

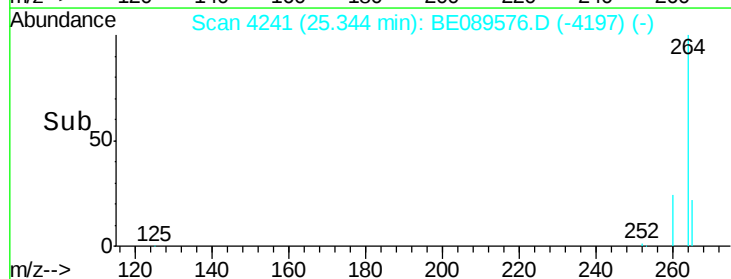
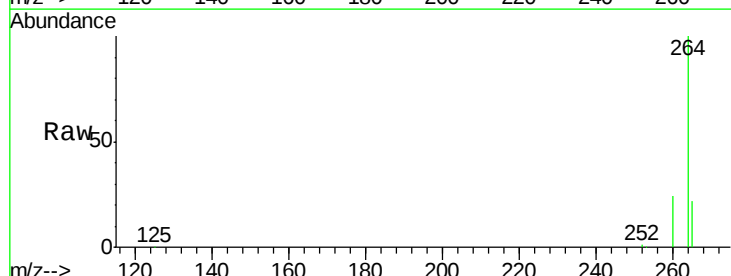
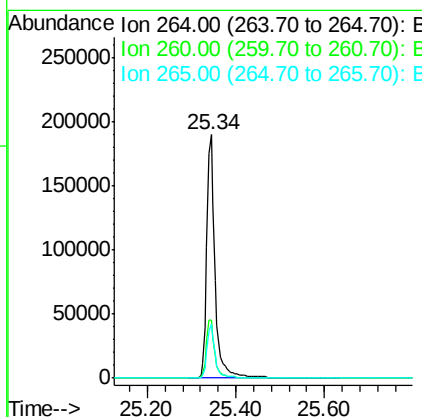
Manual Integrations
APPROVED

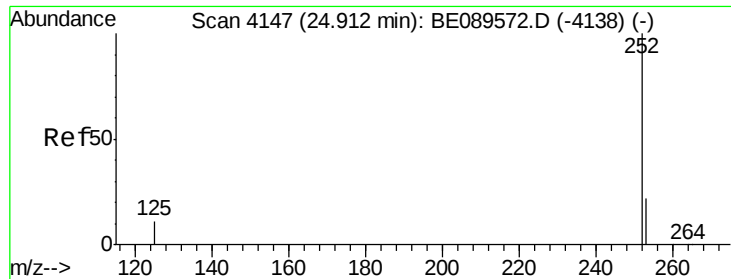
apatel
2/17/2015 3:36:25 PM



#27
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4241
Delta R.T. 0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	22.3	17.5	26.3





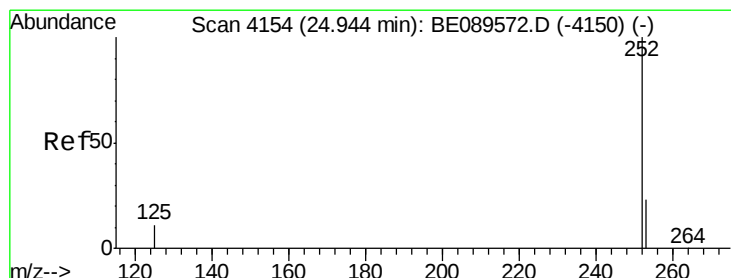
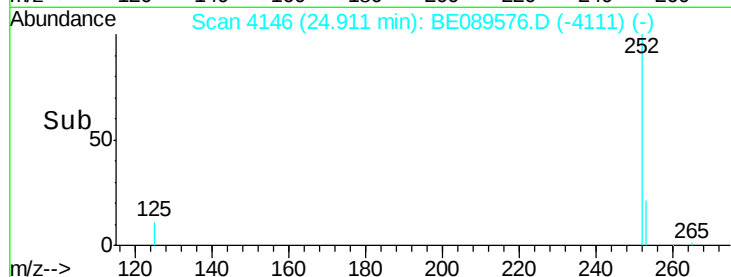
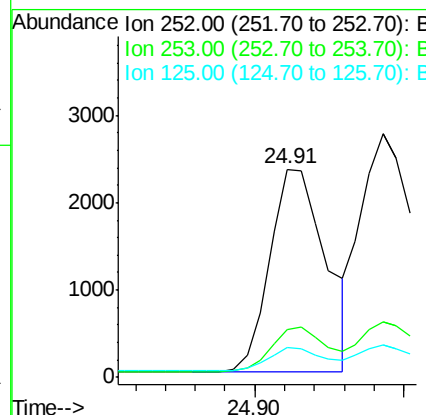
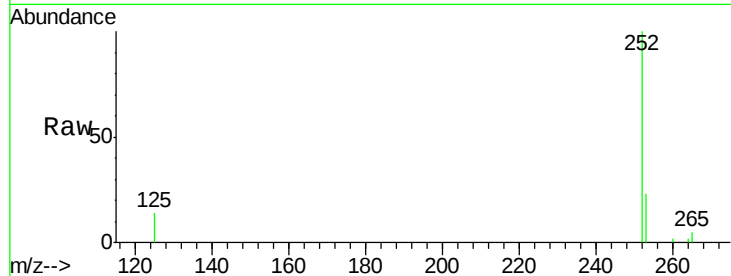
#28
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 24.91 min Scan# 4146
Delta R.T. -0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	14.2	9.0	13.4

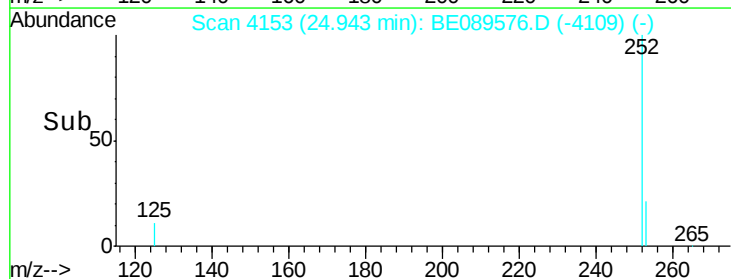
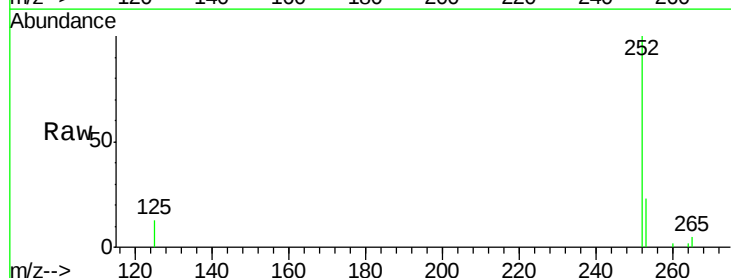
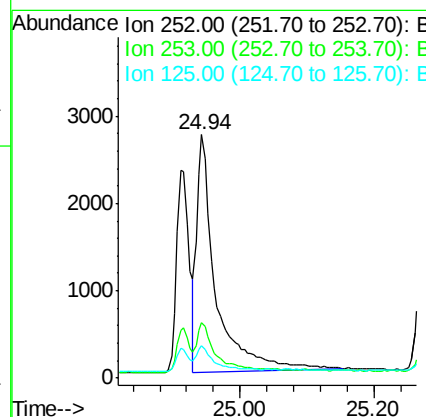
Manual Integrations
APPROVED

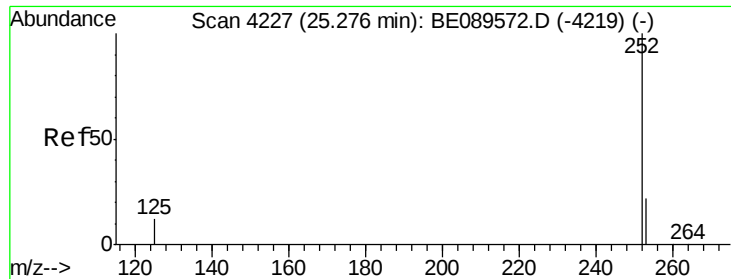
apatel
2/17/2015 3:36:25 PM



#29
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 24.94 min Scan# 4153
Delta R.T. -0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	13.4	8.9	13.3





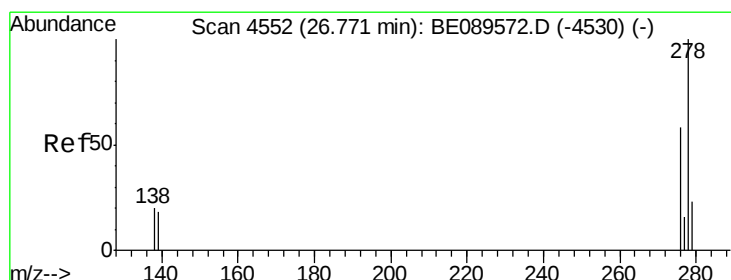
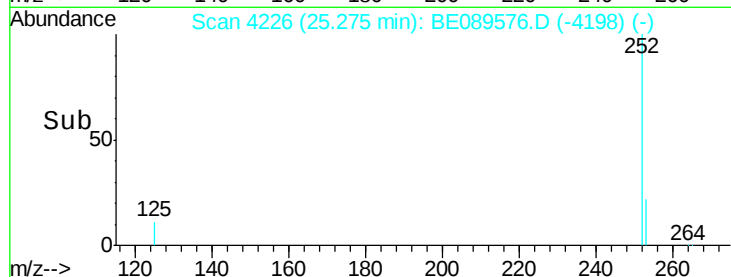
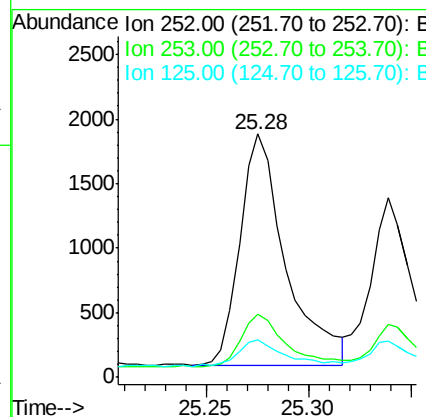
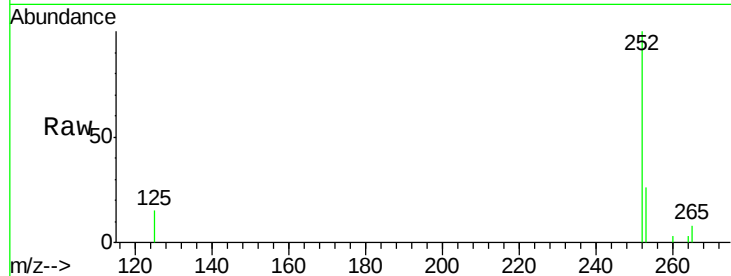
#30
Benzo(a)pyrene
Concen: 0.06 ng
RT: 25.28 min Scan# 4226
Delta R.T. -0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	15.4	9.5	14.3

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:25 PM



#31
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 26.78 min Scan# 4552
Delta R.T. 0.00 min
Lab File: BE089576.D
Acq: 16 Feb 2015 19:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	14.7	22.1
279	27.7	19.0	28.4

