

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089702.D
 Acq On : 26 Feb 2015 22:47
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Manual Integrations
 APPROVED

apatel
 2/27/2015 4:12:59 PM

Quant Time: Feb 27 05:03:49 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 04:47:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	57953	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	246963	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	113883	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	210524	5.00	ng	0.00
20) Chrysene-d12	23.65	240	170496	5.00	ng	0.00
27) Perylene-d12	25.34	264	136911	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.49	112	7147	0.40	ng	0.00
4) Phenol-d6	8.61	99	9858	0.45	ng	0.00
8) Nitrobenzene-d5	10.60	82	5839	0.35	ng	0.00
14) 2,4,6-Tribromophenol	18.30	330	447	0.19	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	13117	0.39	ng	0.00
22) Terphenyl-d14	22.30	244	10605	0.56	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.38	42	3939m	0.42	ng	Qvalue
5) Phenol	8.63	94	10709	0.46	ng	# 6
6) bis(2-Chloroethyl)ether	8.82	93	8585	0.49	ng	# 98
9) Nitrobenzene	10.64	77	6813	0.36	ng	99
10) 2,4-Dimethylphenol	11.57	122	5555	0.38	ng	99
11) 2,4-Dichlorophenol	11.95	162	3958	0.36	ng	95
12) Hexachlorobutadiene	12.62	225	2446	0.31	ng	99
16) 2,4-Dinitrophenol	16.66	184	96	0.72	ng	# 77
18) Hexachlorobenzene	18.98	284	2882	0.31	ng	98
19) Pentachlorophenol	19.43	266	287	0.40	ng	94
21) Benzidine	21.96	184	2581	0.20	ng	# 95
23) Benzo(a)anthracene	23.64	228	60017	0.39	ng	98
24) 3,3'-Dichlorobenzidine	23.63	252	2182	0.47	ng	99
25) Chrysene	23.68	228	79382	0.42	ng	100
26) Indeno(1,2,3-cd)pyrene	26.73	276	7504	0.37	ng	# 58
28) Benzo(b)fluoranthene	24.91	252	5528	0.46	ng	99
29) Benzo(k)fluoranthene	24.94	252	16715	0.44	ng	98
30) Benzo(a)pyrene	25.27	252	6150	0.53	ng	98
31) Dibenzo(a,h)anthracene	26.77	278	5048	0.52	ng	92

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

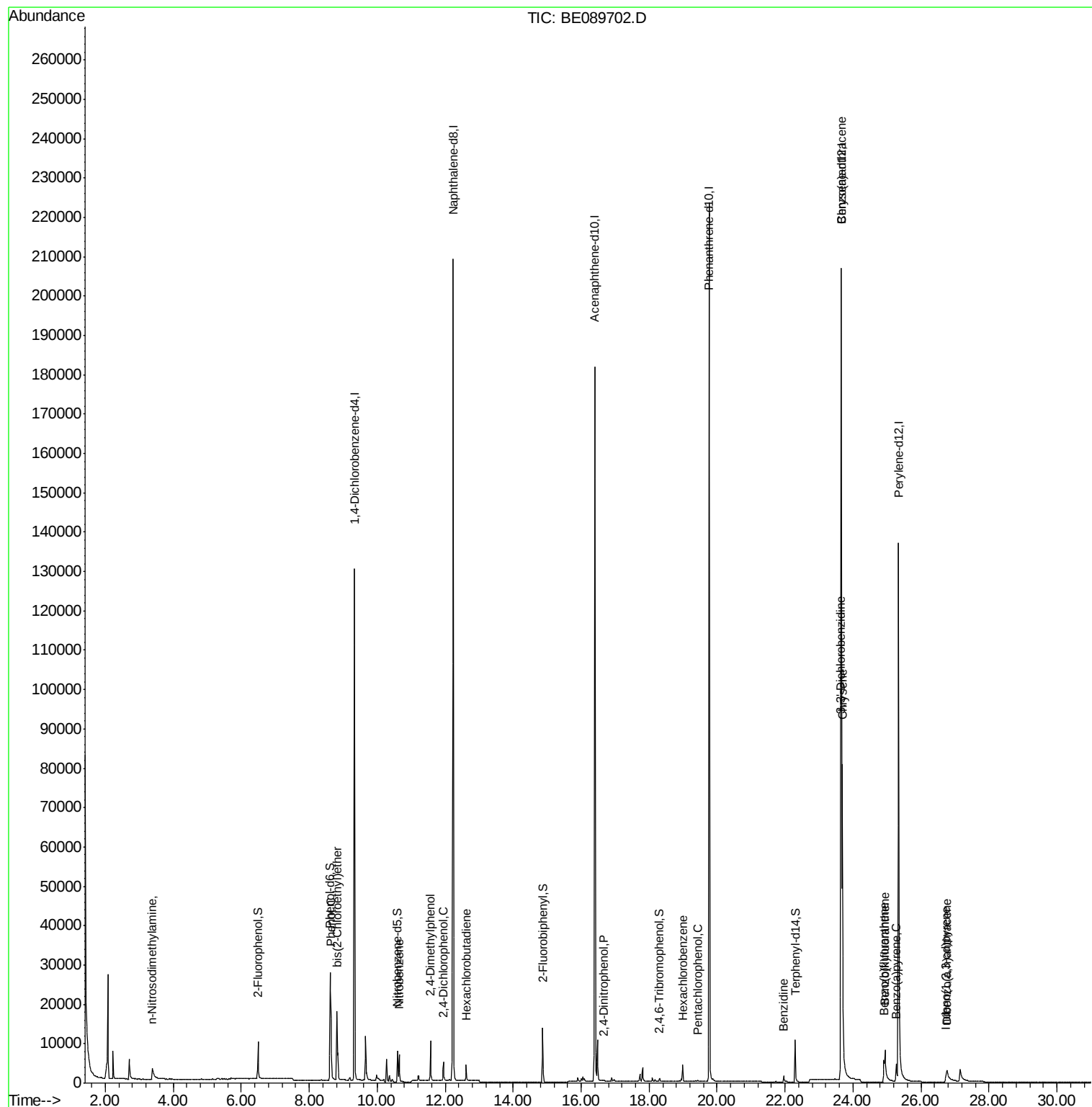
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
Data File : BE089702.D
Acq On : 26 Feb 2015 22:47
Operator : TP/JJ
Sample : SSTDICC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

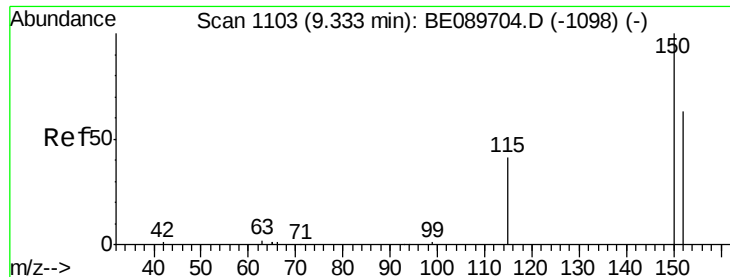
Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM

Quant Time: Feb 27 05:03:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 27 04:47:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089702.D

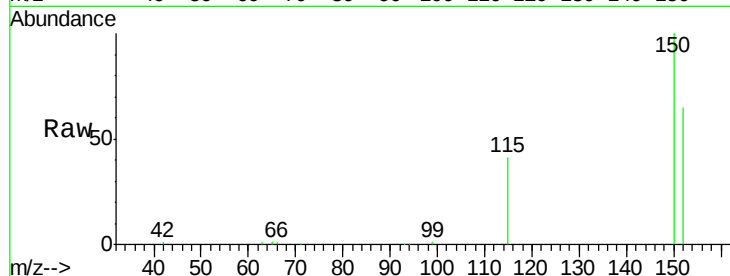
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



Tgt Ion:152 Resp: 57953

Ion Ratio Lower Upper

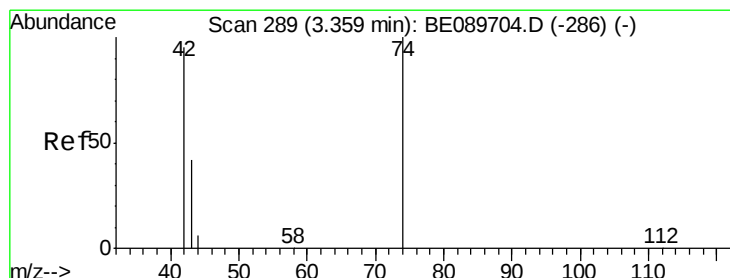
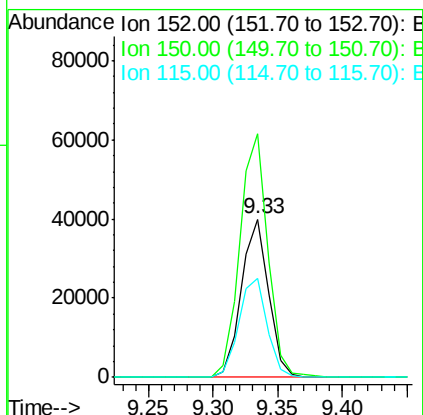
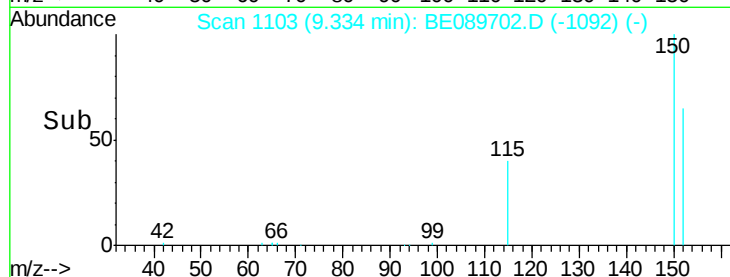
152 100

150 153.7 127.3 190.9

115 62.2 52.0 78.0

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#2

n-Nitrosodimethylamine

Concen: 0.42 ng m

RT: 3.38 min Scan# 292

Delta R.T. 0.02 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

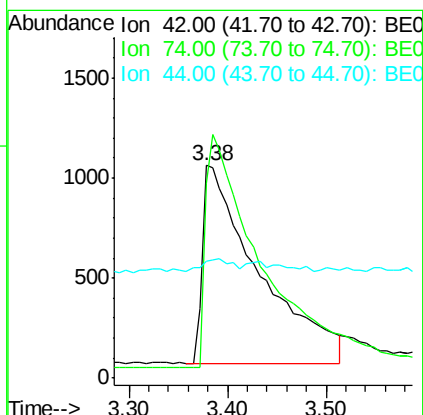
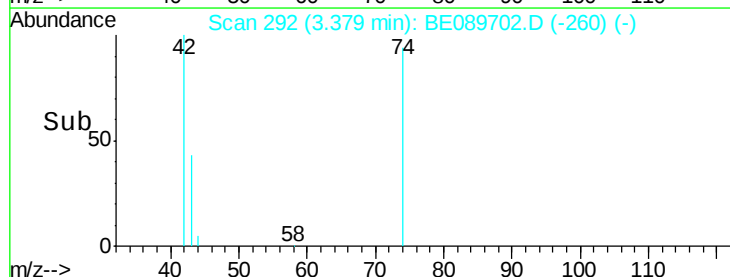
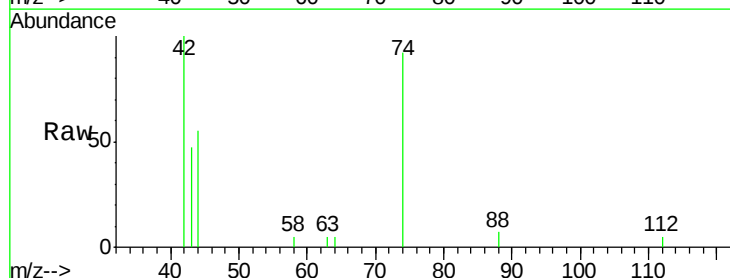
Tgt Ion: 42 Resp: 3939

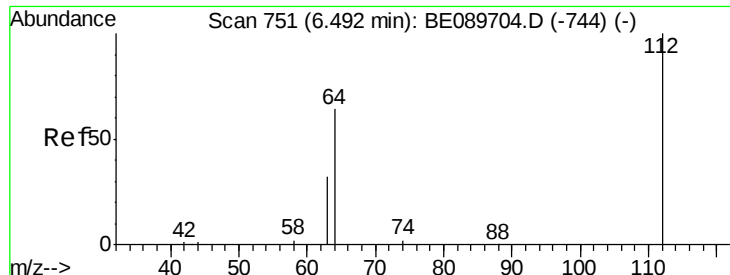
Ion Ratio Lower Upper

42 100

74 91.6 83.8 125.8

44 54.9 19.0 28.6#





#3

2-Fluorophenol

Concen: 0.40 ng

RT: 6.49 min Scan# 751

Delta R.T. -0.00 min

Lab File: BE089702.D

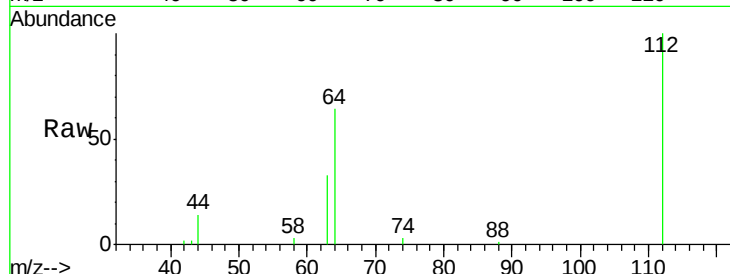
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

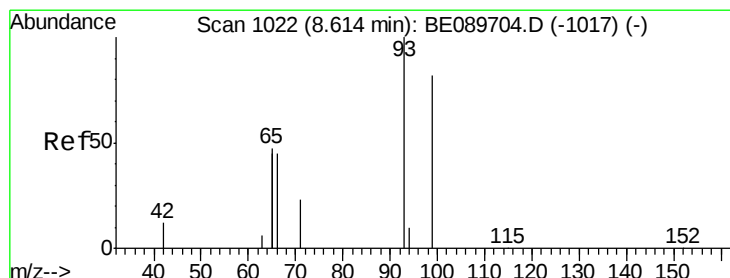
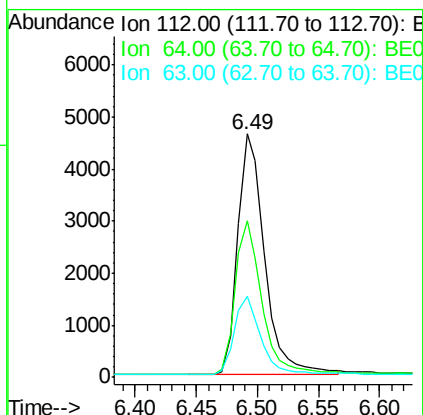
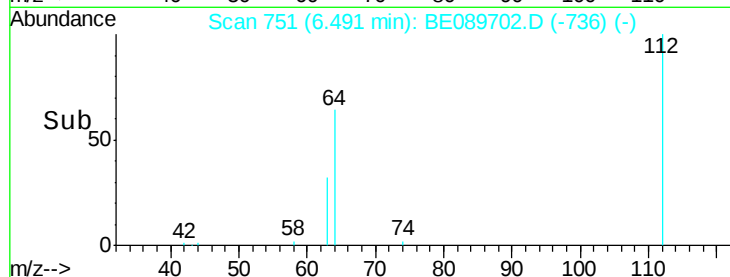
SSTDICC0.5



Tgt Ion:	112	Resp:	7147
Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.3	76.9
63	33.1	26.2	39.2

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#4

Phenol-d6

Concen: 0.45 ng

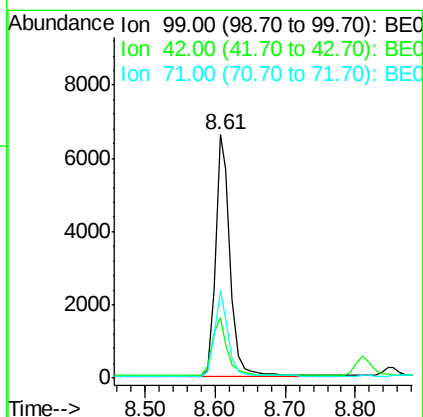
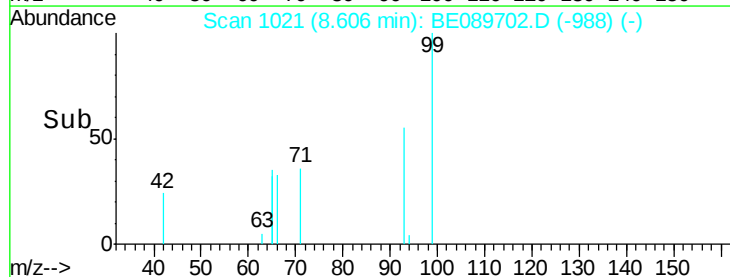
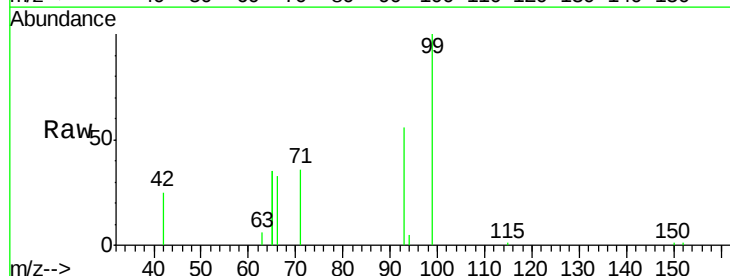
RT: 8.61 min Scan# 1021

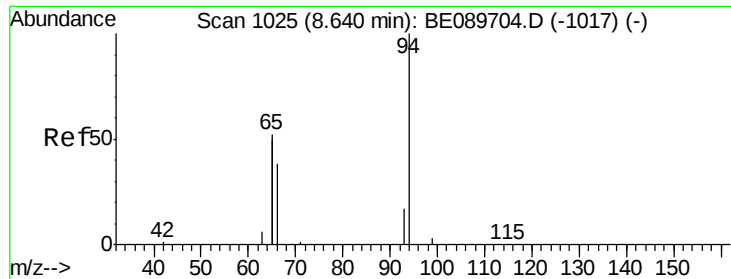
Delta R.T. -0.01 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Tgt Ion:	99	Resp:	9858
Ion	Ratio	Lower	Upper
99	100		
42	24.8	12.3	18.5#
71	36.1	22.9	34.3#





#5

Phenol

Concen: 0.46 ng

RT: 8.63 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

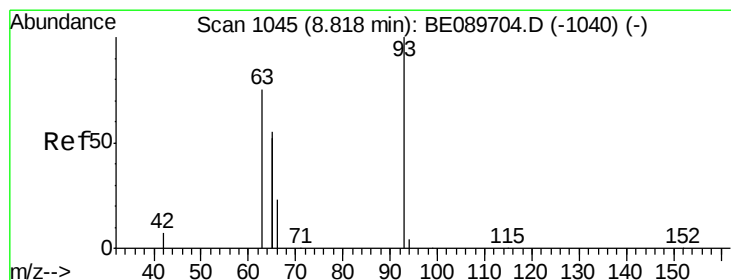
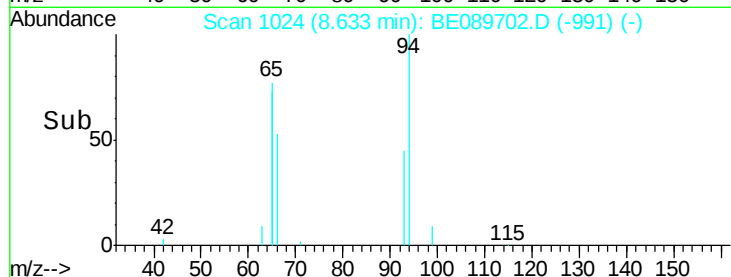
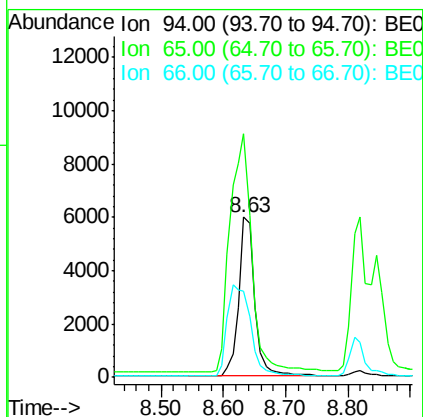
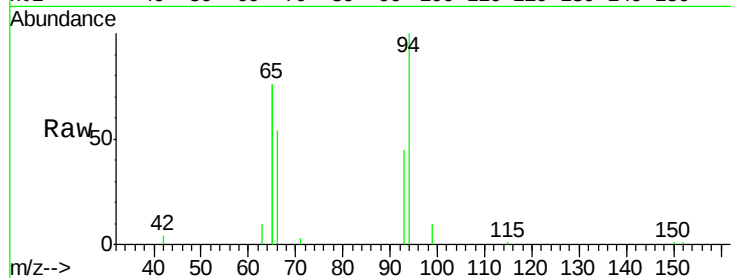
ClientSampleId :

SSTDICC0.5

Tgt Ion:	94	Resp:	10709
Ion	Ratio	Lower	Upper
94	100		
65	151.8	31.7	71.7#
66	53.9	17.9	57.9

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.49 ng

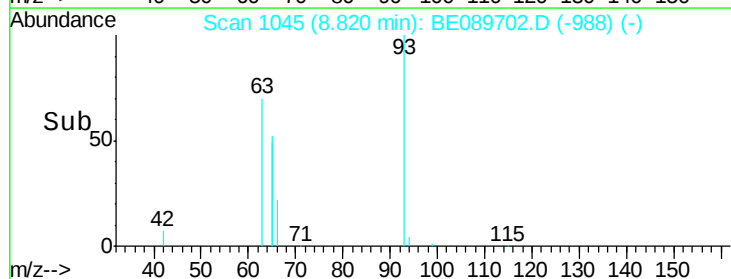
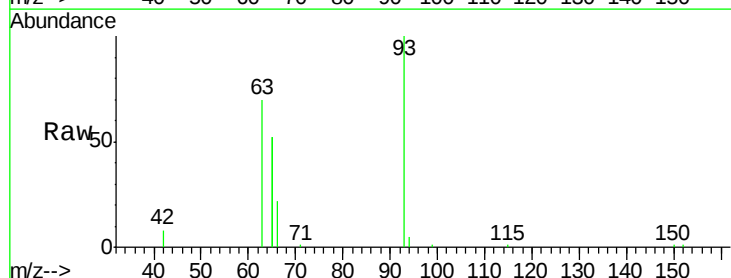
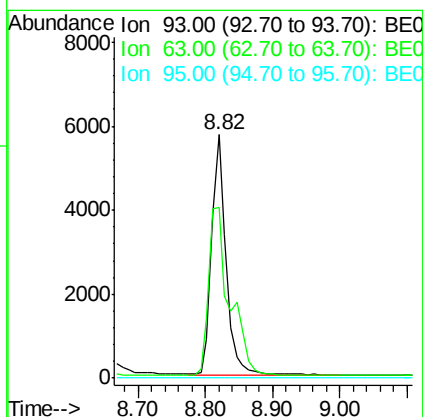
RT: 8.82 min Scan# 1045

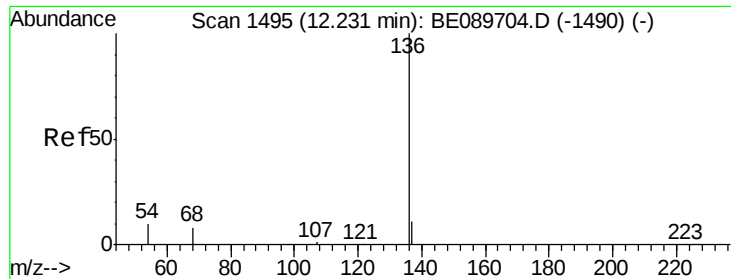
Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Tgt Ion:	93	Resp:	8585
Ion	Ratio	Lower	Upper
93	100		
63	102.9	83.8	125.8
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

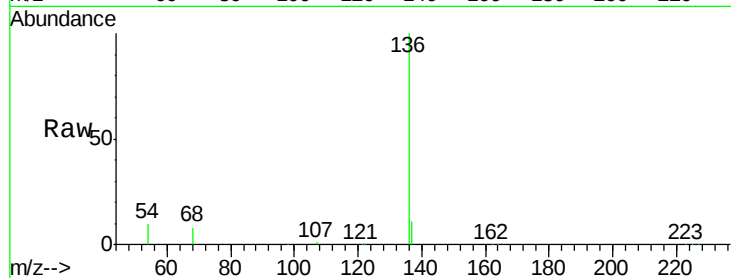
ClientSampleId :

SSTDIC0.5

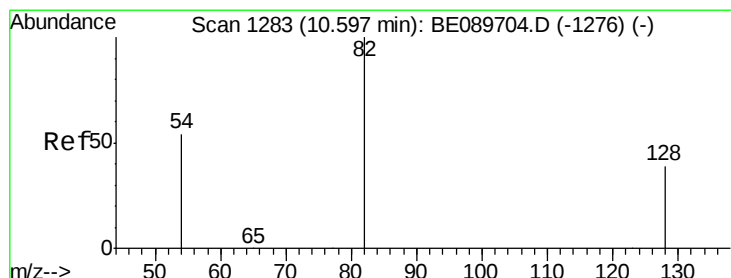
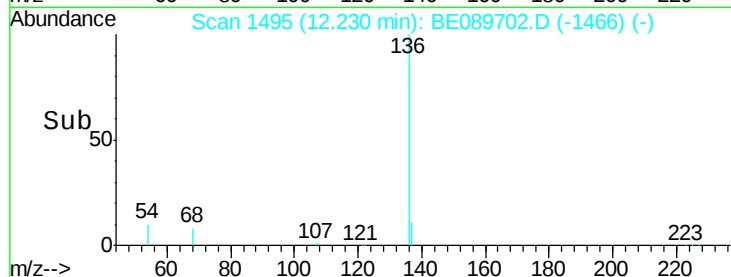
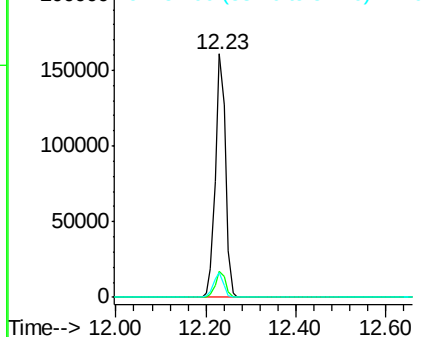
Tgt Ion:	136	Resp:	246963
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	10.2	8.1	12.1

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.35 ng

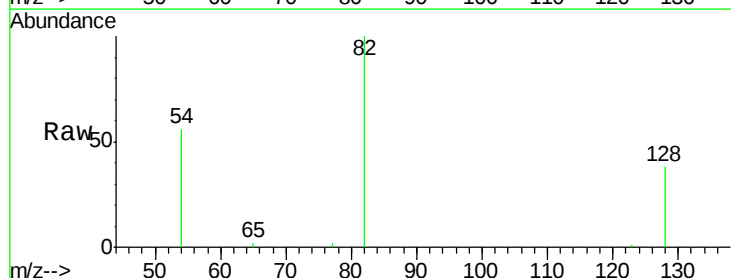
RT: 10.60 min Scan# 1283

Delta R.T. 0.00 min

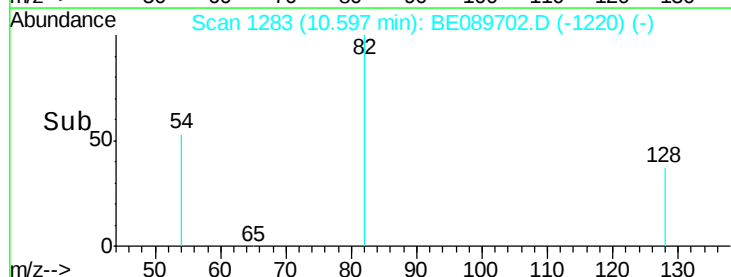
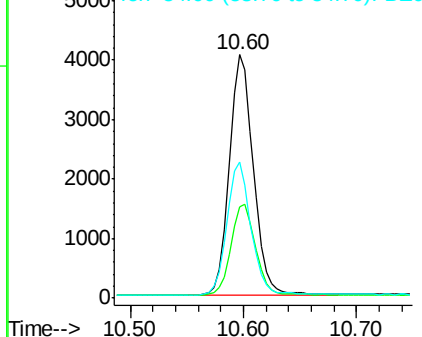
Lab File: BE089702.D

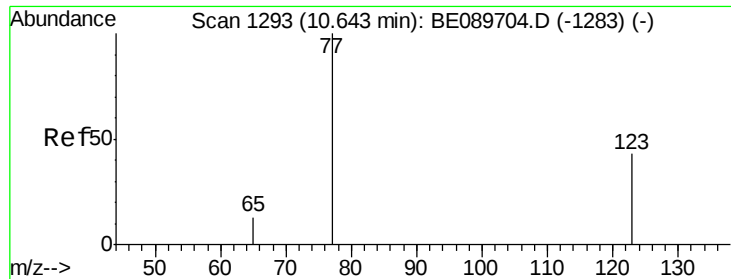
Acq: 26 Feb 2015 22:47

Tgt Ion:	82	Resp:	5839
Ion Ratio	Lower	Upper	
82	100		
128	37.7	31.4	47.2
54	55.8	43.8	65.8



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: 0.36 ng

RT: 10.64 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE089702.D

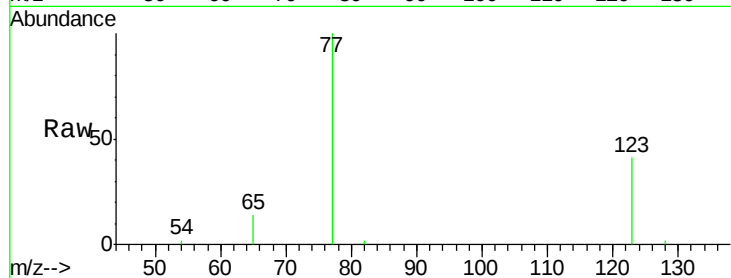
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

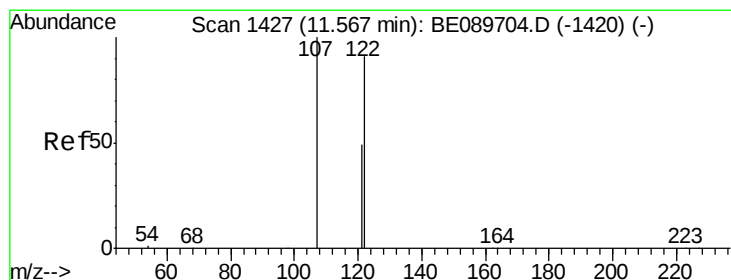
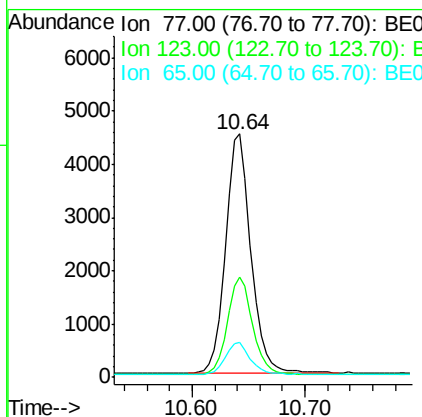
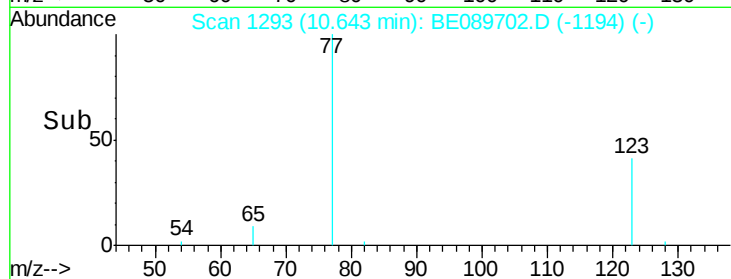
SSTDIC0.5



Tgt Ion:	77	Resp:	6813
Ion	Ratio	Lower	Upper
77	100		
123	40.9	33.2	49.8
65	13.0	10.6	15.8

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#10

2,4-Dimethylphenol

Concen: 0.38 ng

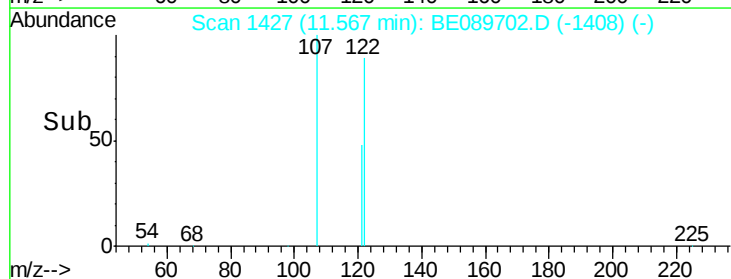
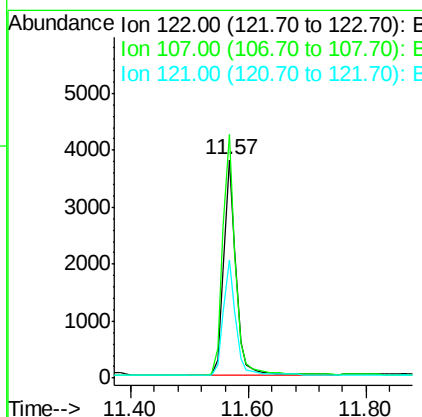
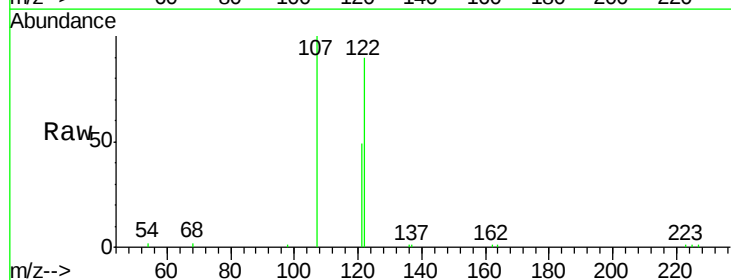
RT: 11.57 min Scan# 1427

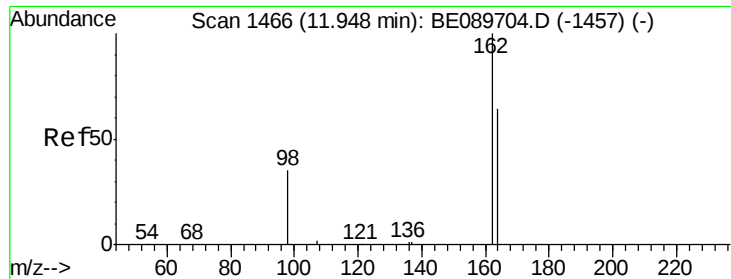
Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Tgt Ion:	122	Resp:	5555
Ion	Ratio	Lower	Upper
122	100		
107	111.5	87.6	131.4
121	54.2	43.4	65.2





#11

2,4-Dichlorophenol

Concen: 0.36 ng

RT: 11.95 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

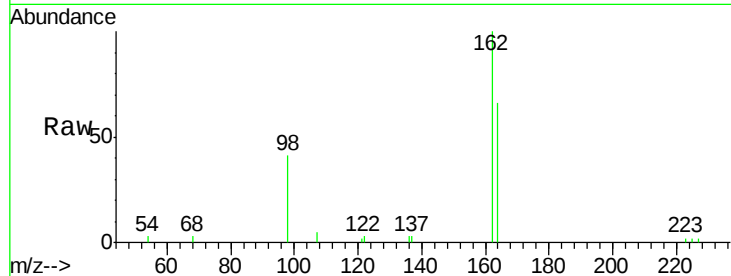
ClientSampleId :

SSTDIC0.5

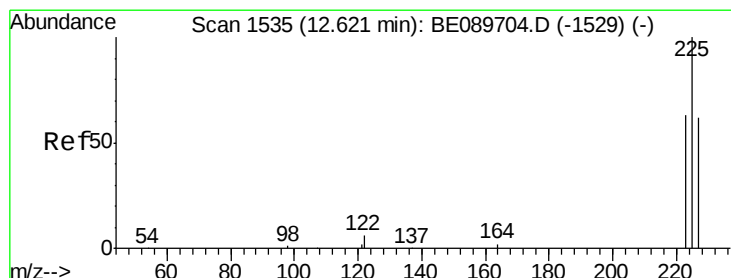
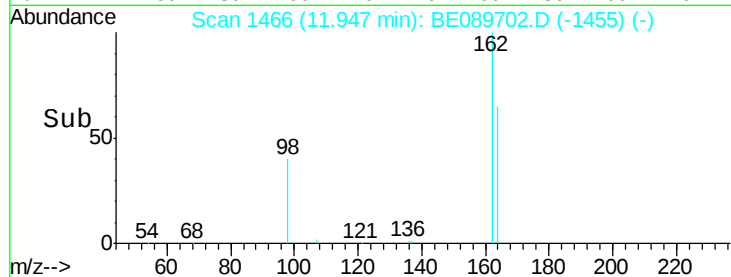
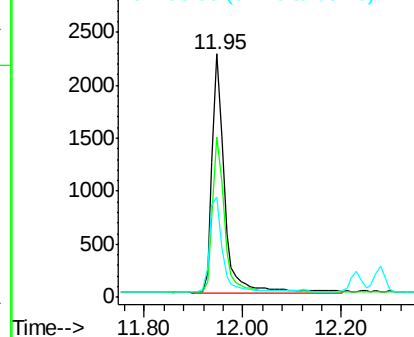
Tgt Ion:	162	Resp:	3958
Ion Ratio	Lower	Upper	
162	100		
164	65.6	43.9	83.9
98	41.3	15.7	55.7

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 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: 0.31 ng

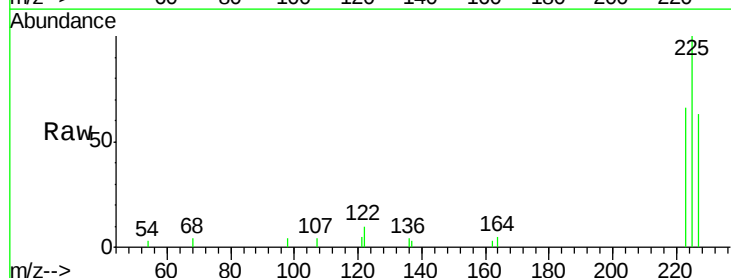
RT: 12.62 min Scan# 1535

Delta R.T. -0.00 min

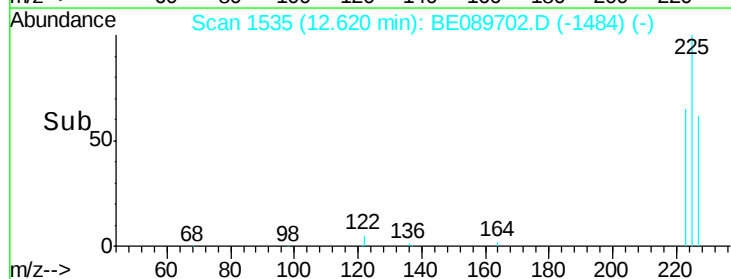
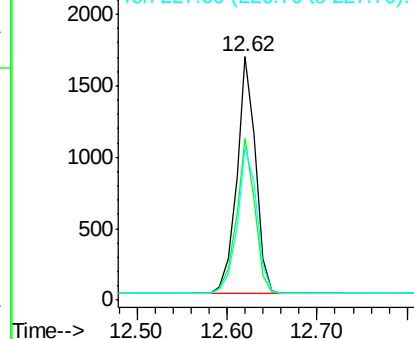
Lab File: BE089702.D

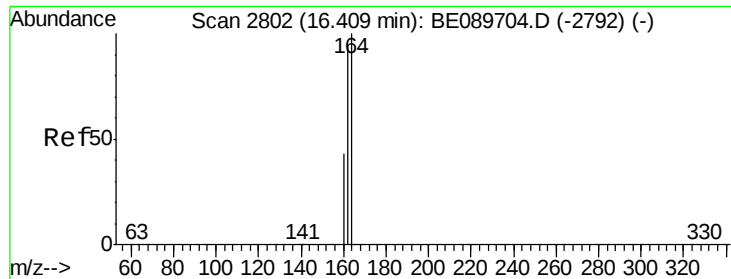
Acq: 26 Feb 2015 22:47

Tgt Ion:	225	Resp:	2446
Ion Ratio	Lower	Upper	
225	100		
223	63.9	50.6	75.8
227	63.7	50.8	76.2



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





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.40 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BE089702.D

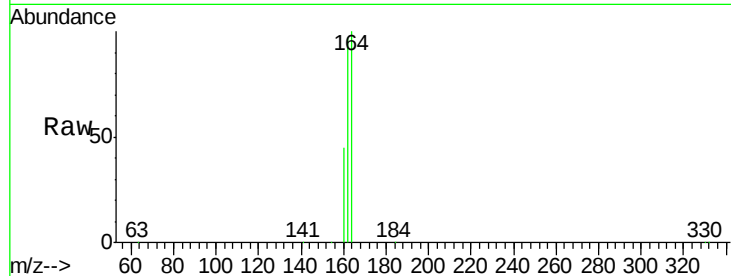
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampled :

SSTDIC0.5



Tgt Ion:164 Resp: 113883

Ion Ratio Lower Upper

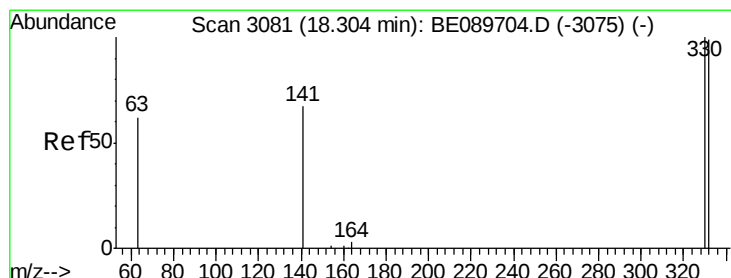
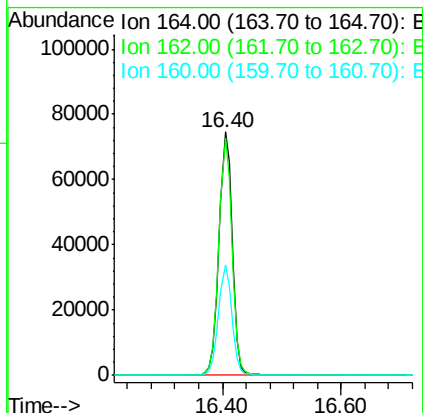
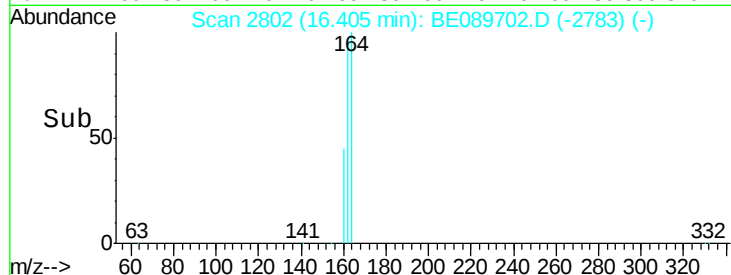
164 100

162 97.4 75.0 112.6

160 45.5 34.3 51.5

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#14

2,4,6-Tribromophenol

Concen: 0.19 ng

RT: 18.30 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

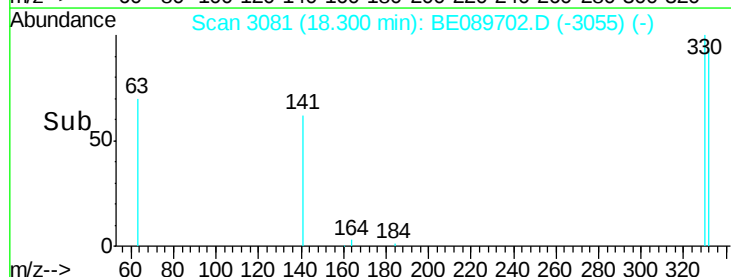
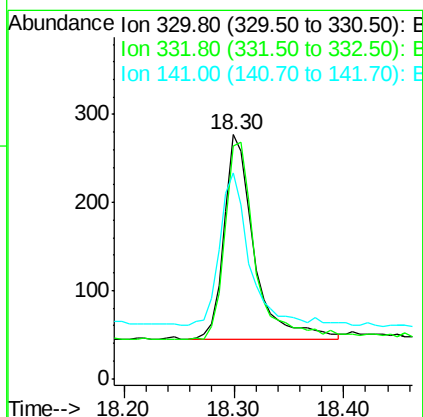
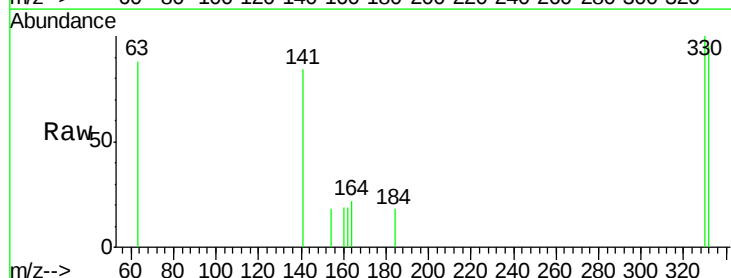
Tgt Ion:330 Resp: 447

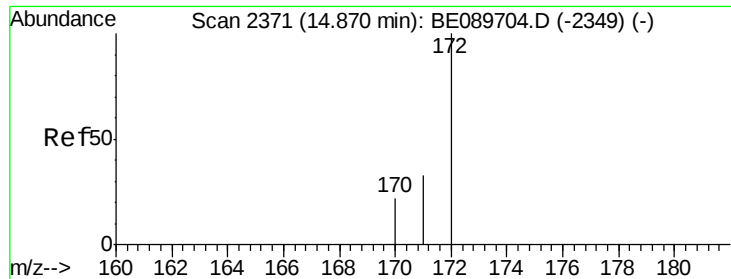
Ion Ratio Lower Upper

330 100

332 99.6 0.0 0.0#

141 72.5 0.0 0.0#





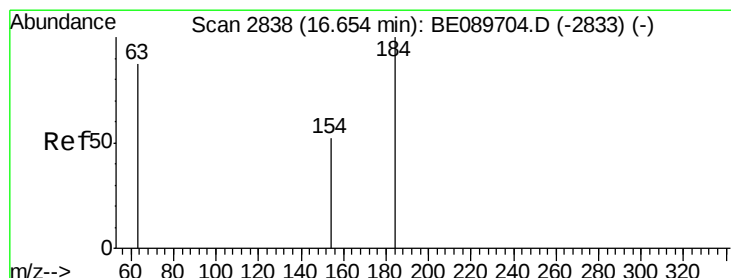
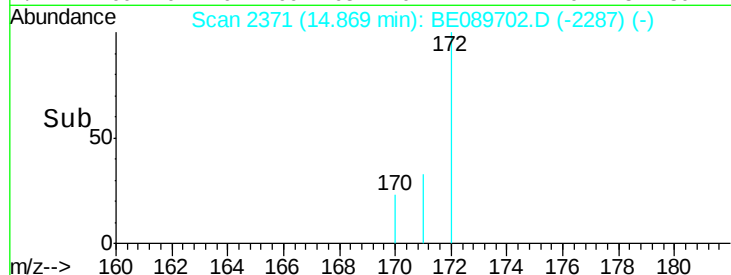
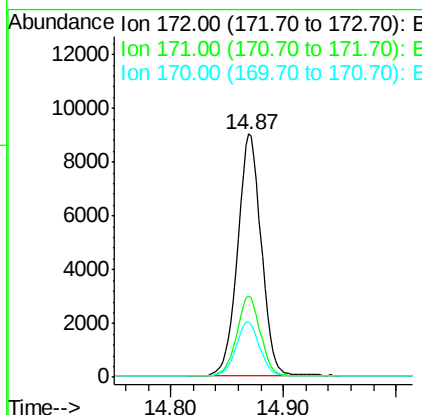
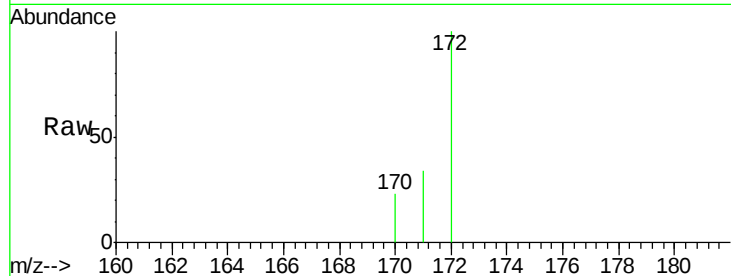
#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 14.87 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.8	40.2
170	23.0	18.0	27.0

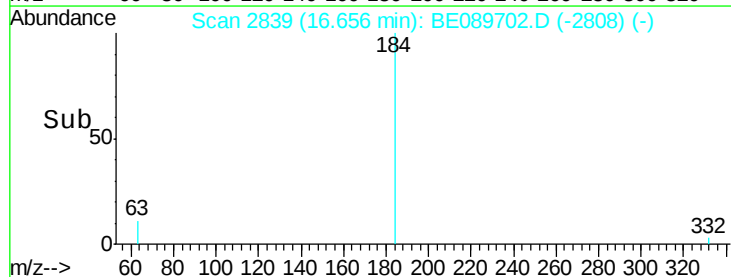
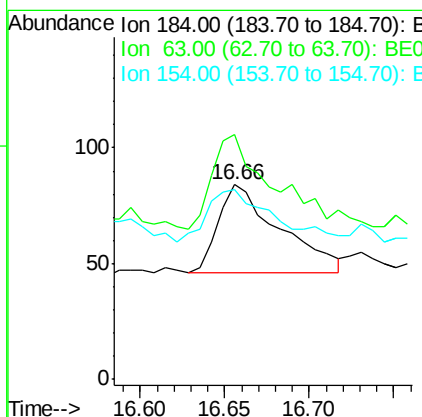
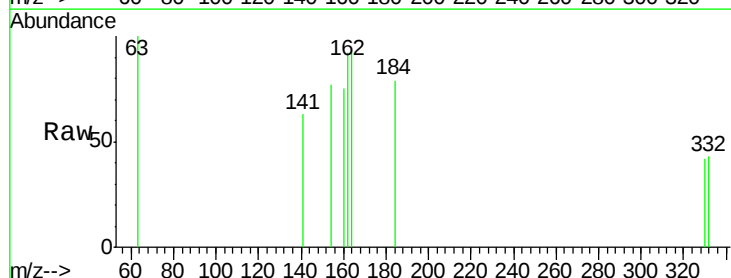
Manual Integrations
APPROVED

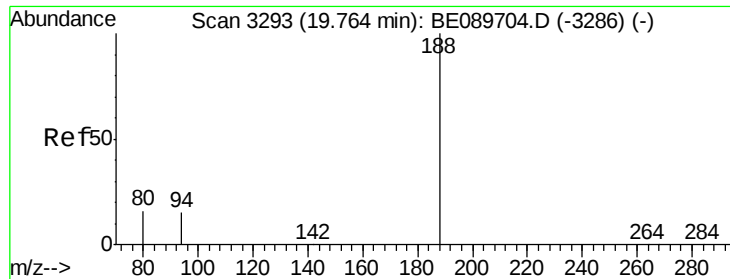
apatel
2/27/2015 4:12:59 PM



#16
2,4-Dinitrophenol
Concen: 0.72 ng
RT: 16.66 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Tgt Ion	Ratio	Lower	Upper
184	100		
63	126.2	82.4	123.6#
154	97.6	61.4	92.2#





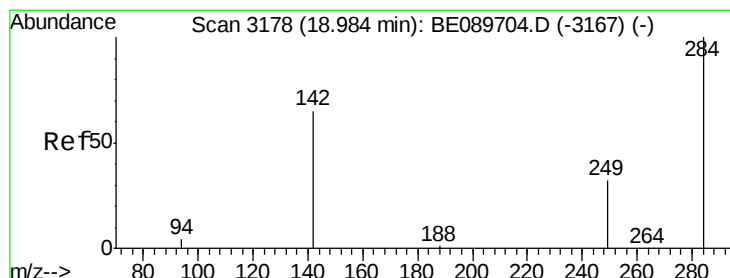
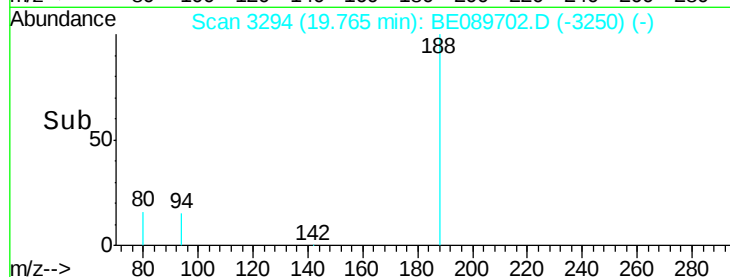
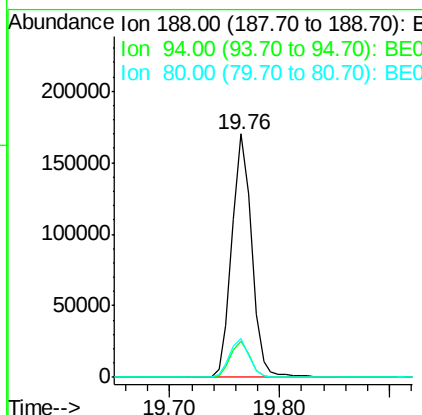
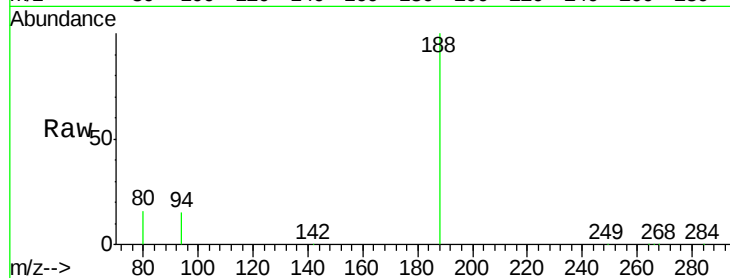
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3294
Delta R.T. 0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	210524		
94	15.1	12.1	18.1	
80	16.0	12.7	19.1	

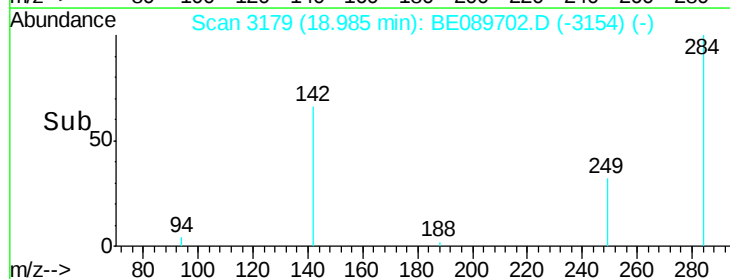
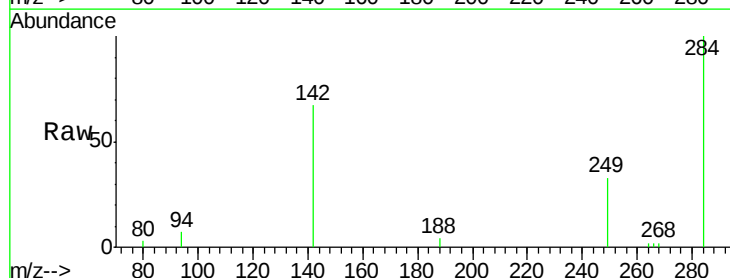
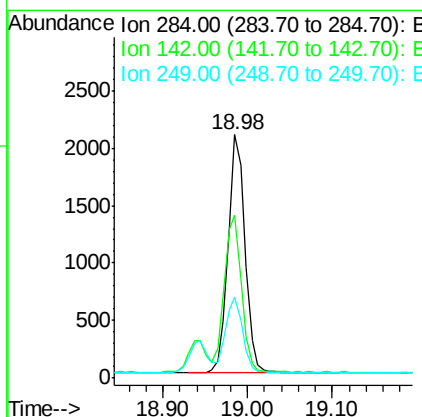
Manual Integrations
APPROVED

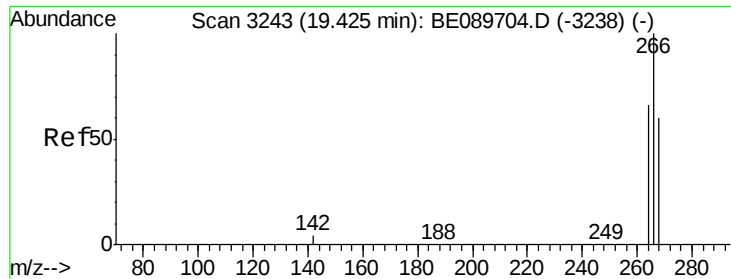
apatel
2/27/2015 4:12:59 PM



#18
Hexachlorobenzene
Concen: 0.31 ng
RT: 18.98 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	2882		
142	67.1	52.2	78.4	
249	33.4	26.4	39.6	





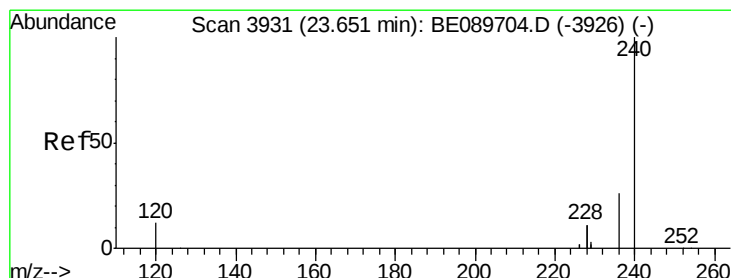
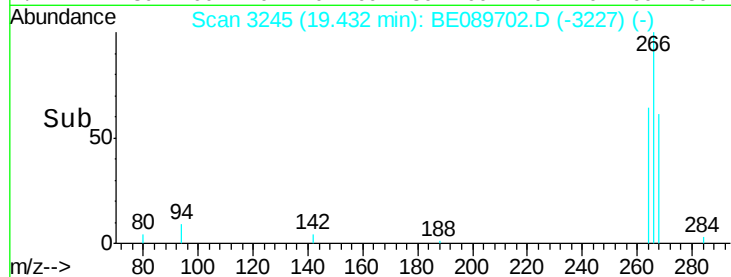
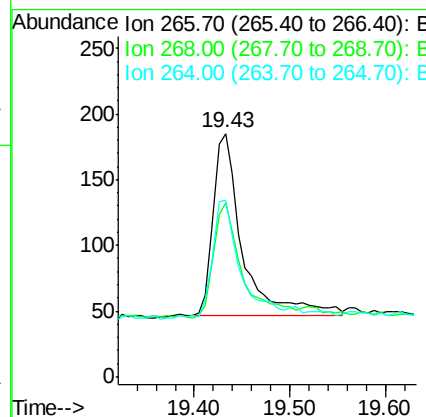
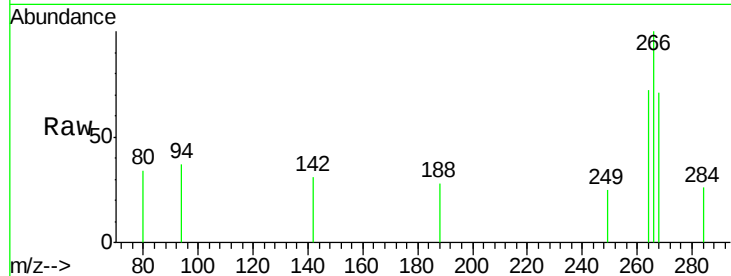
#19
 Pentachlorophenol
 Concen: 0.40 ng
 RT: 19.43 min Scan# 3245
 Delta R.T. 0.01 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	287		
268	71.4		51.4	77.2
264	72.4		55.8	83.8

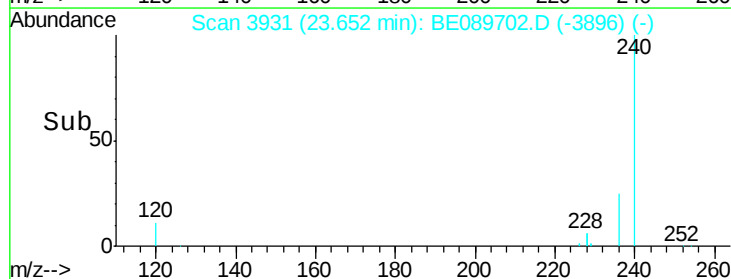
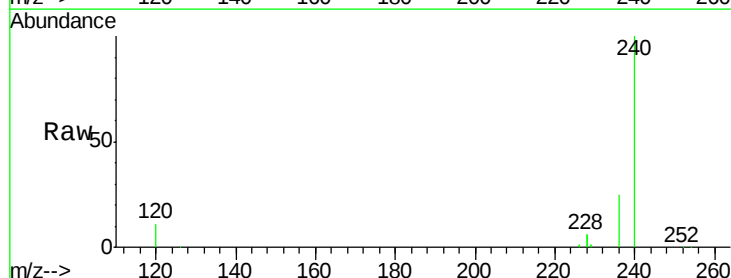
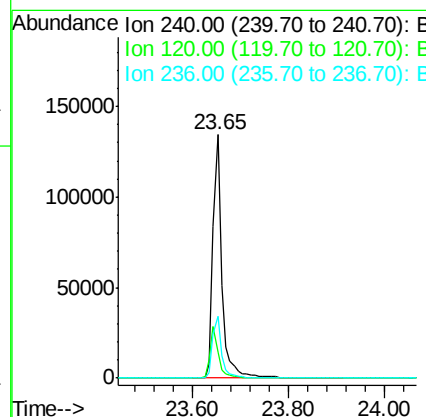
Manual Integrations
 APPROVED

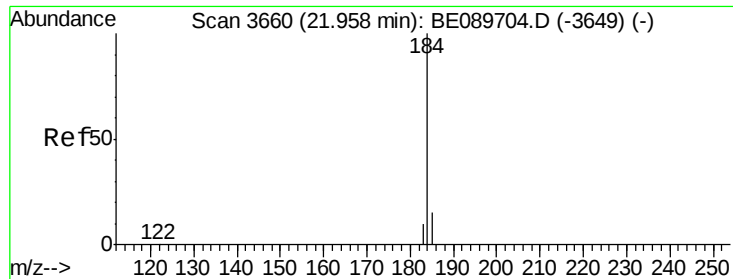
apatel
 2/27/2015 4:12:59 PM



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	170496		
120	10.9		9.9	14.9
236	25.4		21.0	31.6





#21

Benzidine

Concen: 0.20 ng

RT: 21.96 min Scan# 3660

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

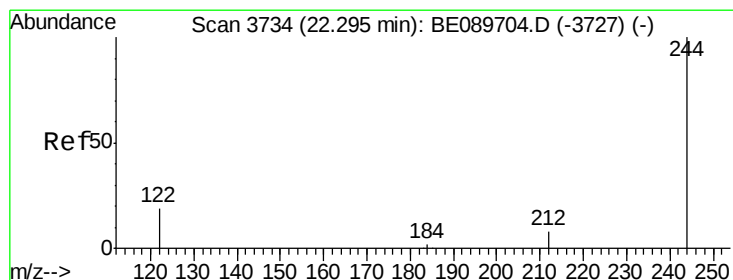
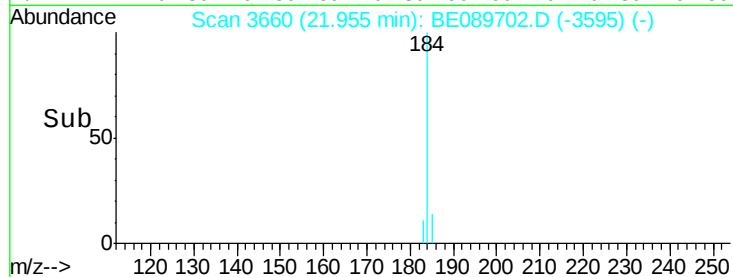
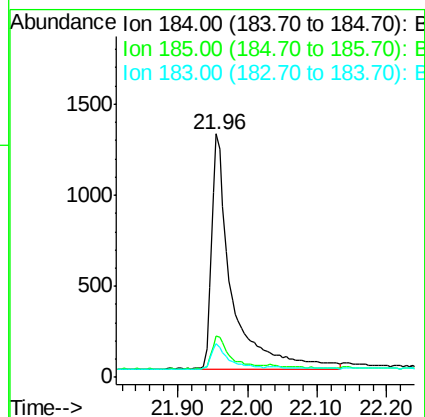
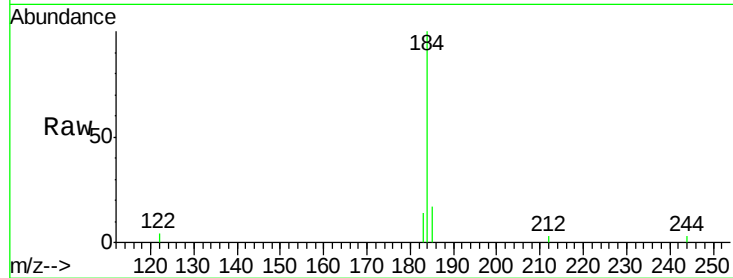
ClientSampleId :

SSTDICC0.5

Tgt Ion:	184	Resp:	2581
Ion Ratio	Lower	Upper	
184	100		
185	17.1	12.8	19.2
183	13.9	8.8	13.2#

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#22

Terphenyl-d14

Concen: 0.56 ng

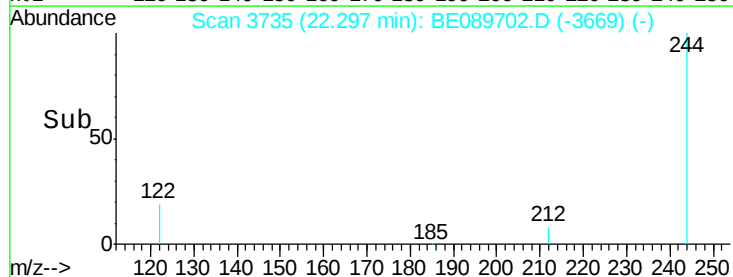
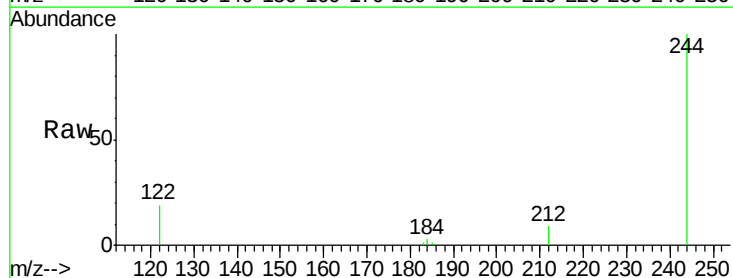
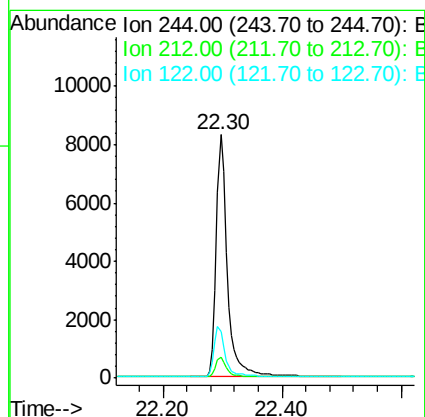
RT: 22.30 min Scan# 3735

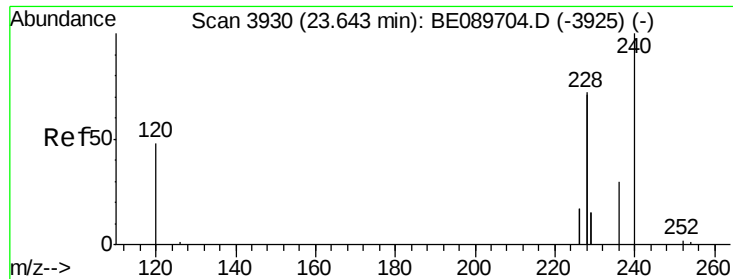
Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Tgt Ion:	244	Resp:	10605
Ion Ratio	Lower	Upper	
244	100		
212	8.6	6.7	10.1
122	19.2	15.7	23.5





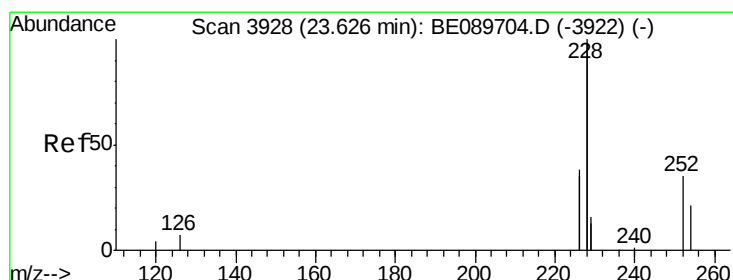
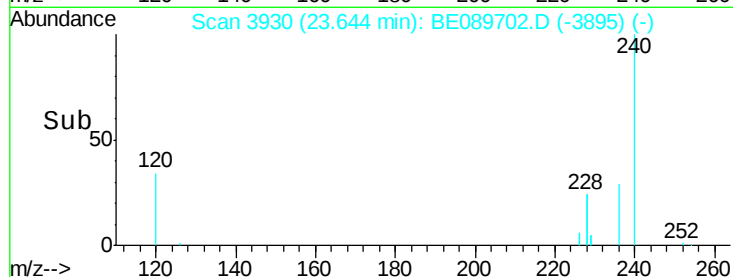
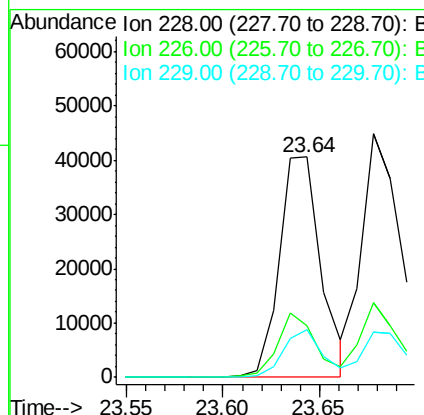
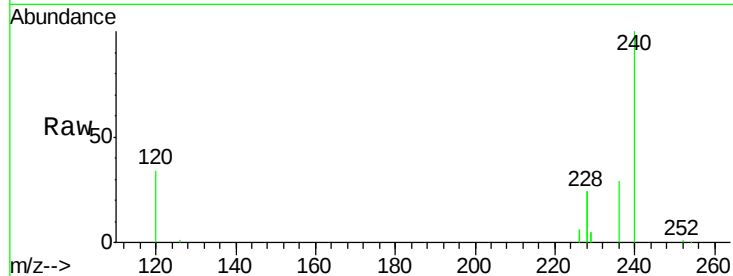
#23
Benzo(a)anthracene
Concen: 0.39 ng
RT: 23.64 min Scan# 3930
Delta R.T. 0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Tgt Ion: 228 Resp: 60017
Ion Ratio Lower Upper
228 100
226 23.4 19.3 28.9
229 22.0 16.6 25.0

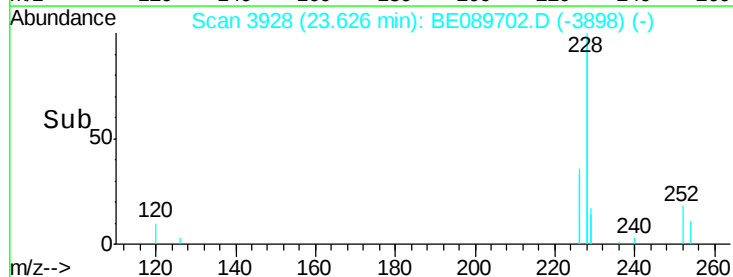
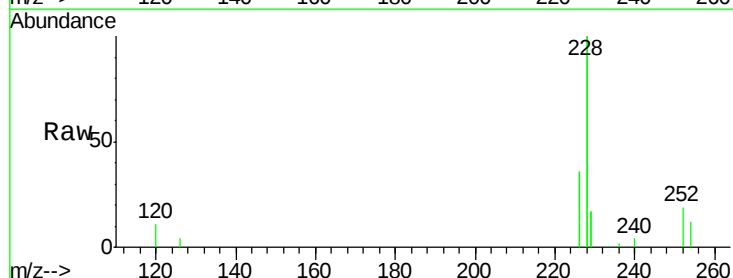
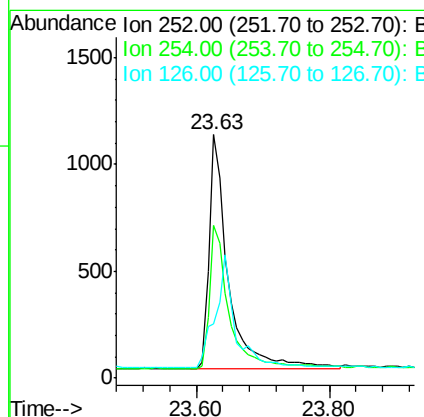
Manual Integrations
APPROVED

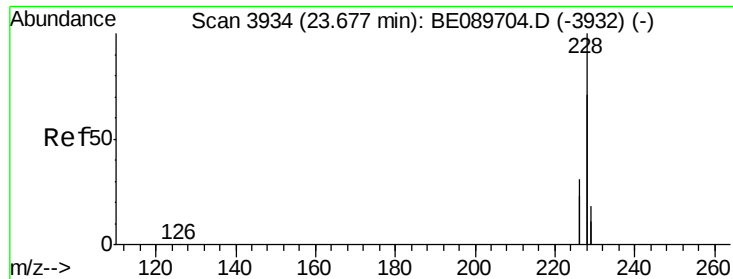
apatel
2/27/2015 4:12:59 PM



#24
3,3'-Dichlorobenzidine
Concen: 0.47 ng
RT: 23.63 min Scan# 3928
Delta R.T. 0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Tgt Ion: 252 Resp: 2182
Ion Ratio Lower Upper
252 100
254 62.8 49.4 74.2
126 22.5 17.4 26.2





#25

Chrysene

Concen: 0.42 ng

RT: 23.68 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089702.D

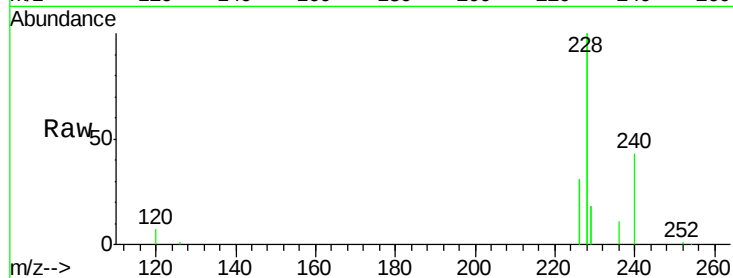
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

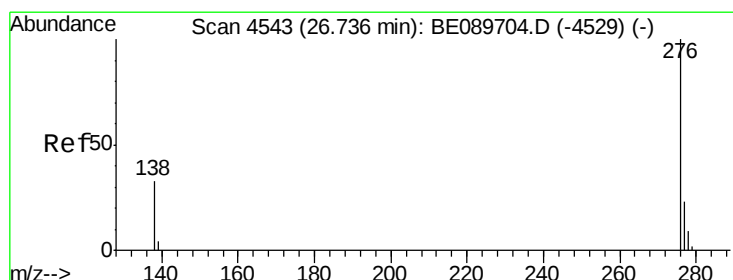
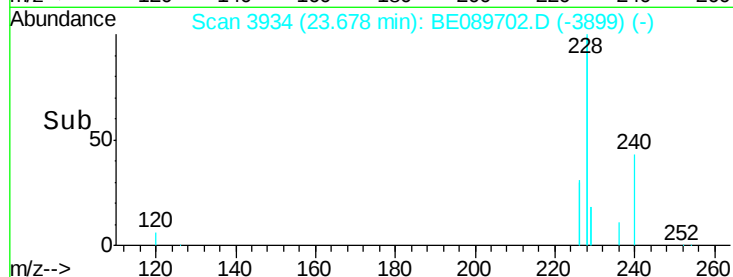
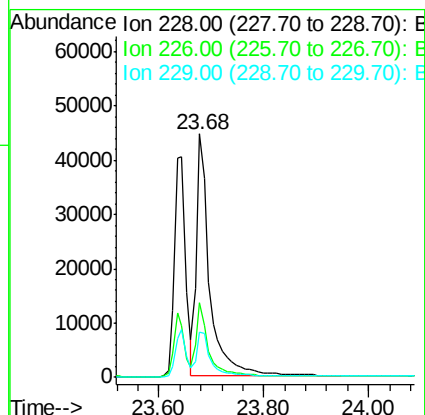
SSTDIC0.5



Tgt Ion:	228	Resp:	79382
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.7	37.1
229	18.3	14.4	21.6

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

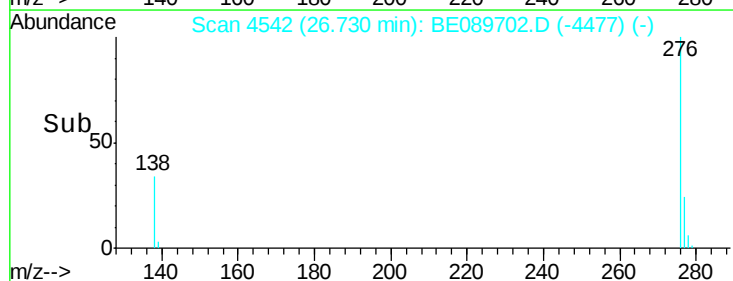
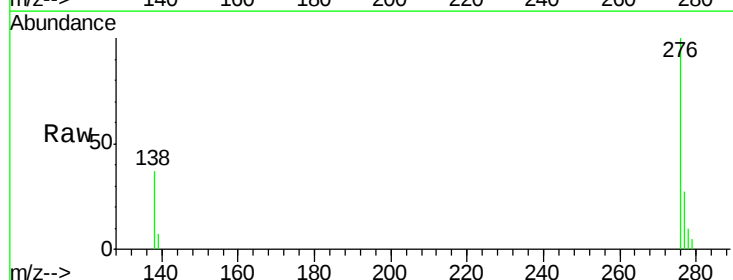
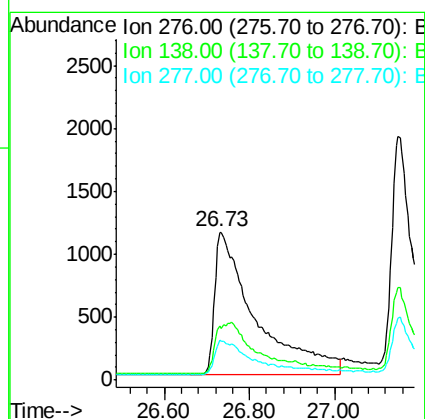
RT: 26.73 min Scan# 4542

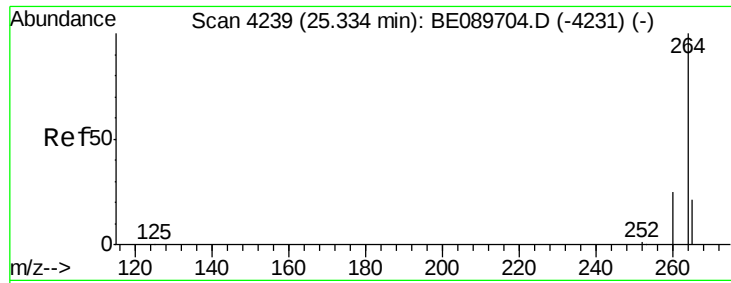
Delta R.T. -0.01 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Tgt Ion:	276	Resp:	7504
Ion Ratio	Lower	Upper	
276	100		
138	0.0	29.8	44.6#
277	19.6	19.8	29.6#





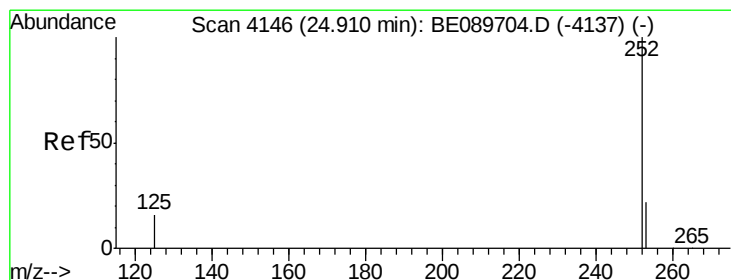
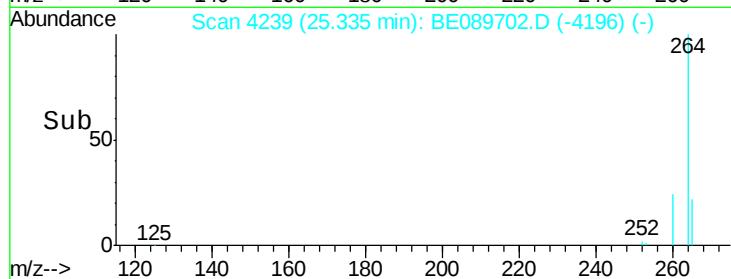
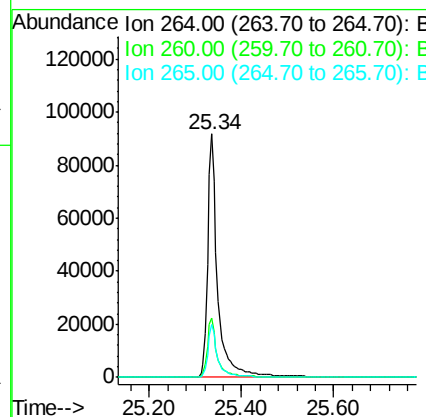
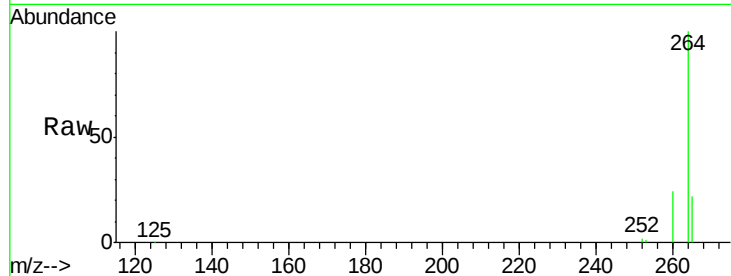
#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4239
 Delta R.T. 0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.2	30.2
265	21.6	16.9	25.3

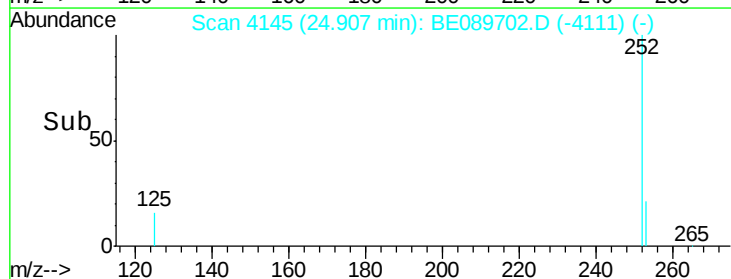
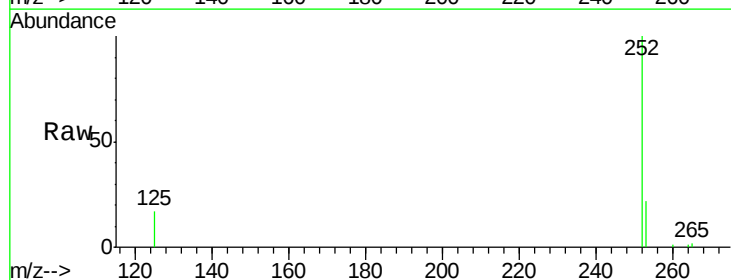
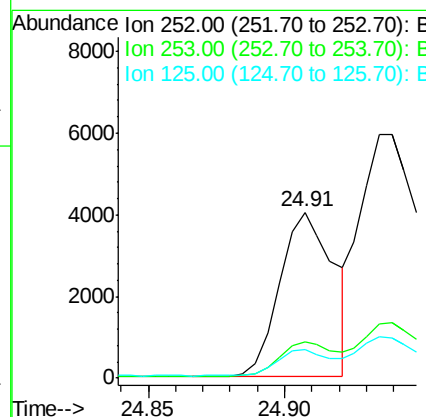
Manual Integrations
 APPROVED

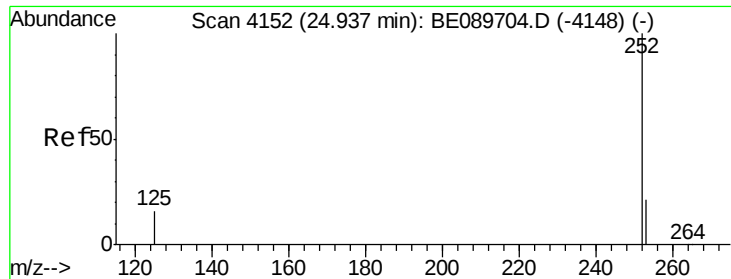
apatel
 2/27/2015 4:12:59 PM



#28
 Benzo(b)fluoranthene
 Concen: 0.46 ng
 RT: 24.91 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	17.1	12.9	19.3





#29

Benzo(k)fluoranthene

Concen: 0.44 ng

RT: 24.94 min Scan# 4152

Delta R.T. 0.00 min

Lab File: BE089702.D

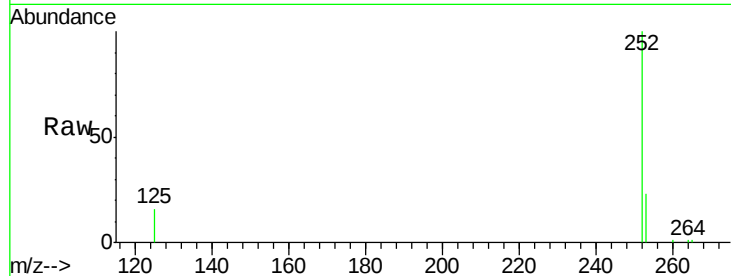
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

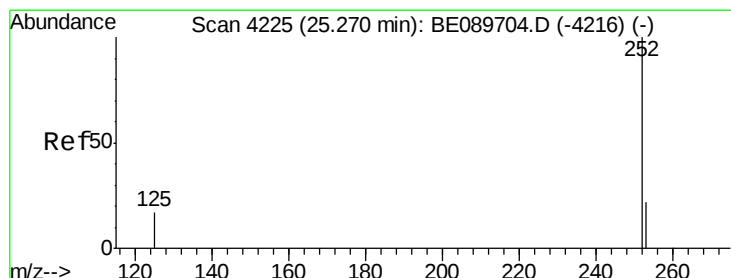
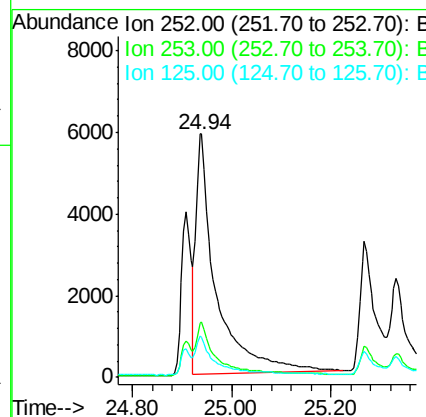
SSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	16.3	12.9	19.3

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM



#30

Benzo(a)pyrene

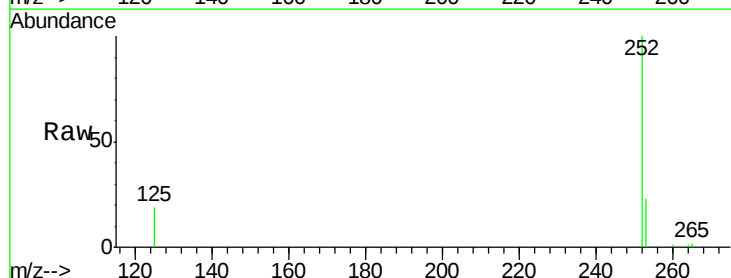
Concen: 0.53 ng

RT: 25.27 min Scan# 4224

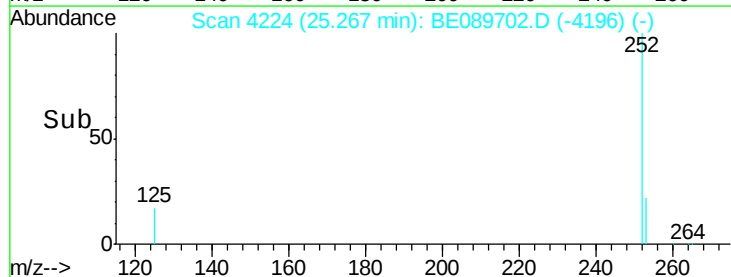
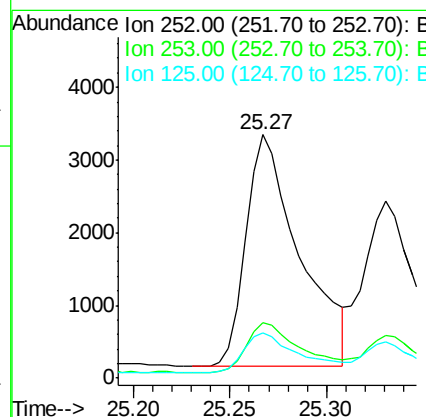
Delta R.T. -0.00 min

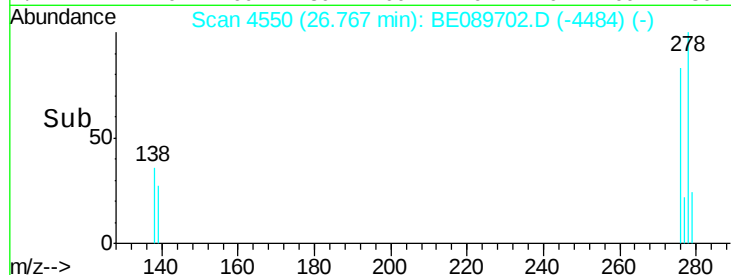
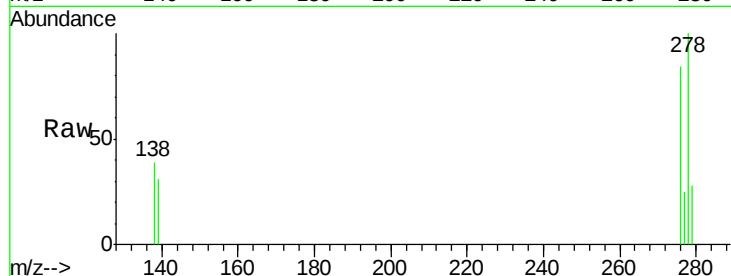
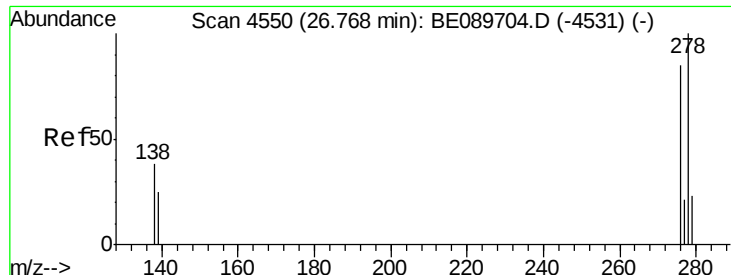
Lab File: BE089702.D

Acq: 26 Feb 2015 22:47



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	18.8	14.0	21.0





#31
Dibenzo(a,h)anthracene
Concen: 0.52 ng
RT: 26.77 min Scan# 4550
Delta R.T. -0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion:	278	Resp:	5048
Ion Ratio	Lower	Upper	
278	100		
139	30.8	21.1	31.7
279	27.6	19.3	28.9

Manual Integrations
APPROVED

apatel
2/27/2015 4:12:59 PM

