

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
 Data File : BE089580.D
 Acq On : 16 Feb 2015 22:25
 Operator : TP/IZ
 Sample : PB81705BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81705BS

Manual Integrations
 APPROVED

apatel
 2/17/2015 3:36:35 PM

Quant Time: Feb 17 02:02:02 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	70712	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	263504	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	122304	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	236346	5.00	ng	0.00
20) Chrysene-d12	23.66	240	326489	5.00	ng	0.00
27) Perylene-d12	25.34	264	312274	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.50	112	253095	12.39	ng	0.00
4) Phenol-d6	8.63	99	327549	12.09	ng	0.00
8) Nitrobenzene-d5	10.61	82	142148	12.69	ng	0.00
14) 2,4,6-Tribromophenol	18.32	330	48645	17.65	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	326516	9.88	ng	0.00
22) Terphenyl-d14	22.31	244	440740	9.80	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.31	42	83713	7.47	ng	# 72
5) Phenol	8.66	94	224232	7.69	ng	# 79
6) bis(2-Chloroethyl)ether	8.83	93	183007	8.24	ng	# 92
9) Nitrobenzene	10.65	77	152822	11.29	ng	95
10) 2,4-Dimethylphenol	11.59	122	119128	7.67	ng	99
11) 2,4-Dichlorophenol	11.97	162	108670	8.95	ng	100
12) Hexachlorobutadiene	12.64	225	66508	8.31	ng	100
16) 2,4-Dinitrophenol	16.66	184	21589	50.75	ng	# 63
18) Hexachlorobenzene	19.00	284	88357	8.89	ng	99
19) Pentachlorophenol	19.44	266	63892	35.43	ng	97
21) Benzidine	21.96	184	524570	17.95	ng	99
23) Benzo(a)anthracene	23.64	228	2904982	8.99	ng	94
24) 3,3'-Dichlorobenzidine	23.63	252	260752	11.11	ng	98
25) Chrysene	23.69	228	2780356m	8.95	ng	
26) Indeno(1,2,3-cd)pyrene	26.76	276	855923	10.60	ng	99
28) Benzo(b)fluoranthene	24.92	252	717813	10.62	ng	99
29) Benzo(k)fluoranthene	24.95	252	787491	8.93	ng	99
30) Benzo(a)pyrene	25.28	252	691206	10.67	ng	99
31) Dibenzo(a,h)anthracene	26.78	278	713251	10.81	ng	99

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

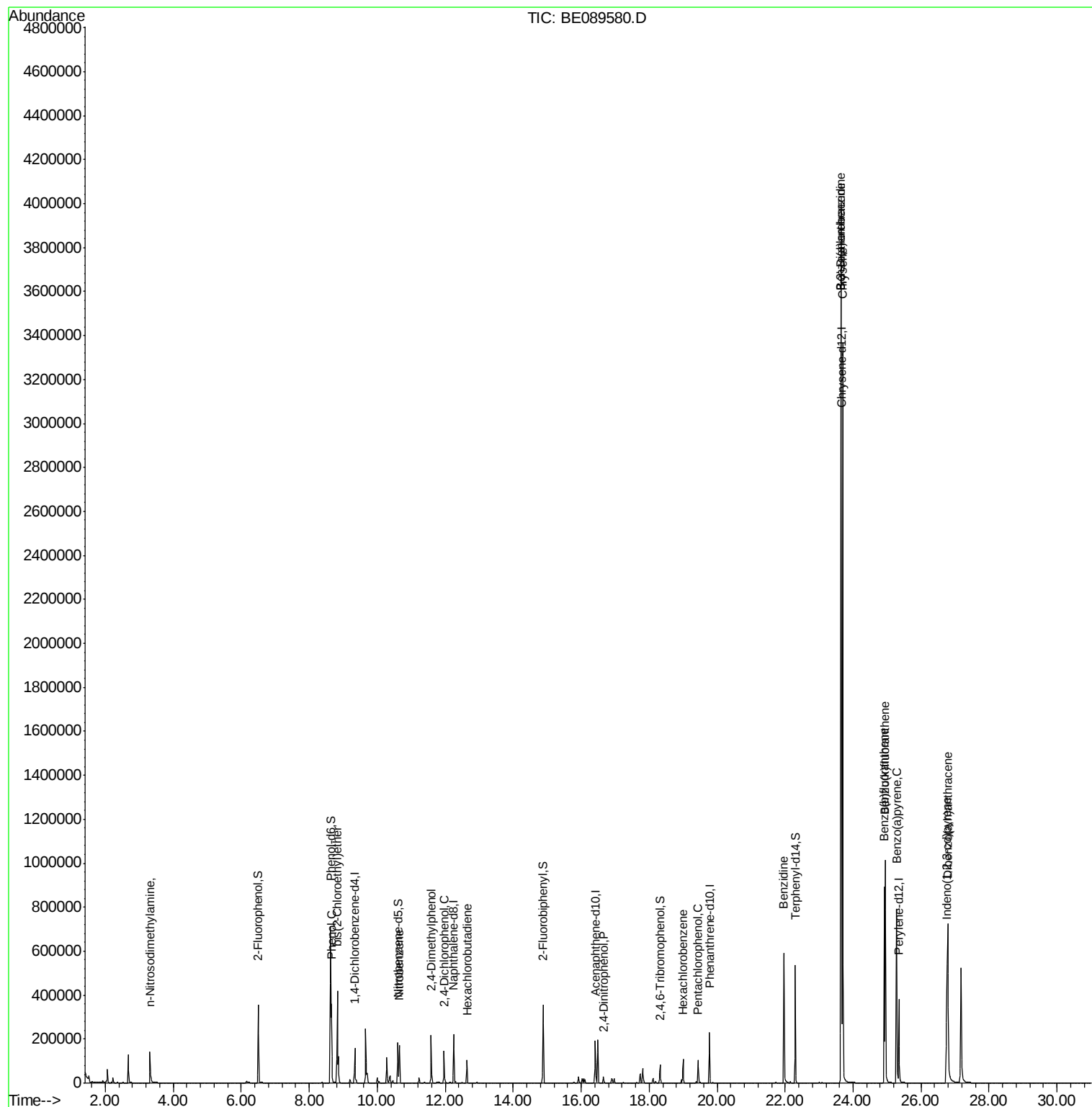
Data Path : Z:\HPCHEM1\BNA E\DATA\BE021615\
Data File : BE089580.D
Acq On : 16 Feb 2015 22:25
Operator : TP/IZ
Sample : PB81705BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

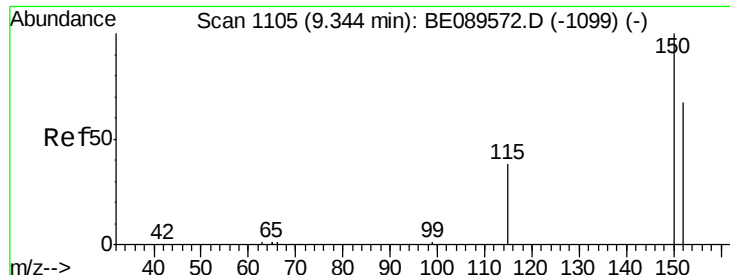
Instrument :
BNA_E
ClientSampleId :
PB81705BS

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM

Quant Time: Feb 17 02:02:02 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# 1104

Delta R.T. -0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

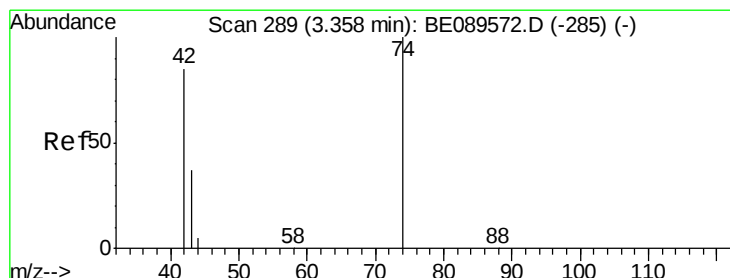
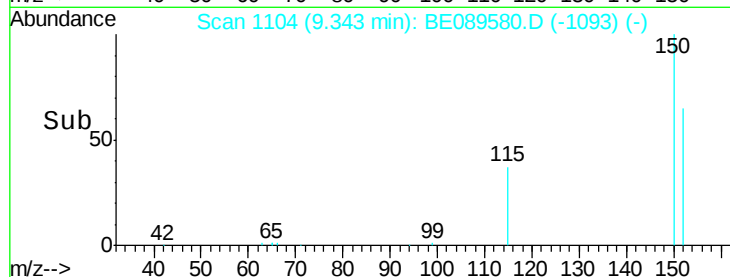
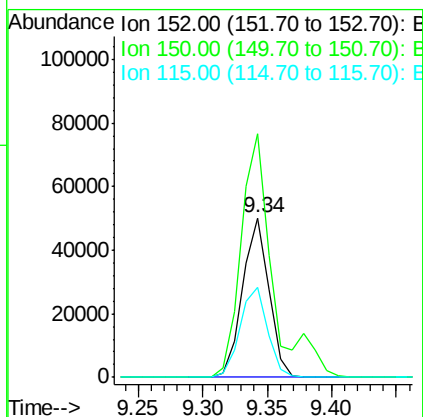
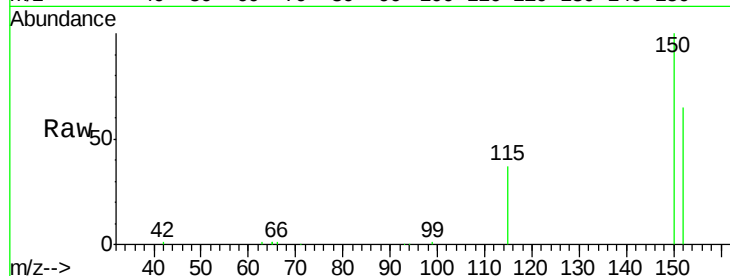
ClientSampleId :

PB81705BS

Tot Ion:	152	Resp:	70712
Ion Ratio	Lower	Upper	
152	100		
150	153.0	120.2	180.2
115	56.5	45.2	67.8

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#2

n-Nitrosodimethylamine

Concen: 7.47 ng

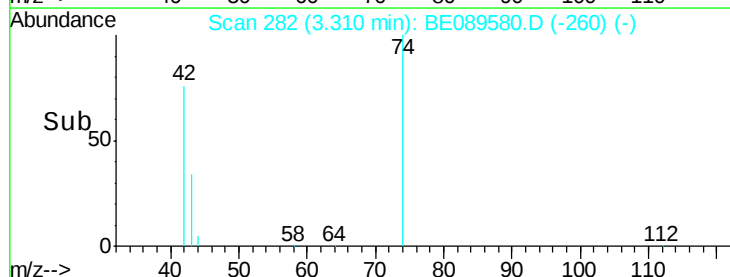
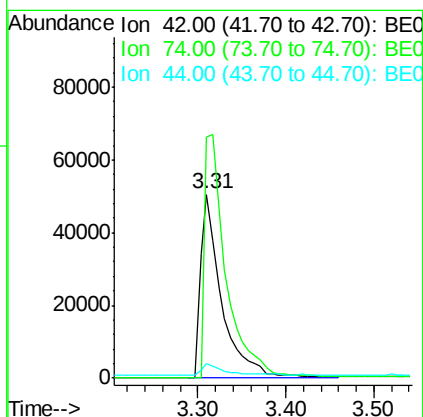
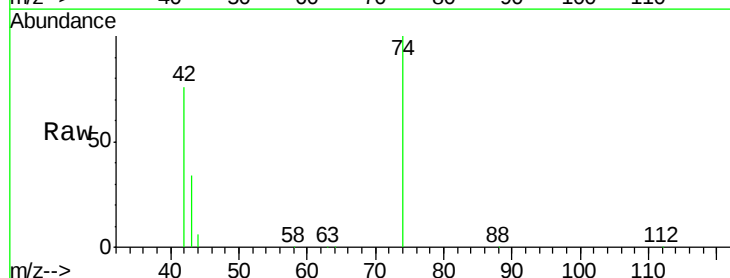
RT: 3.31 min Scan# 282

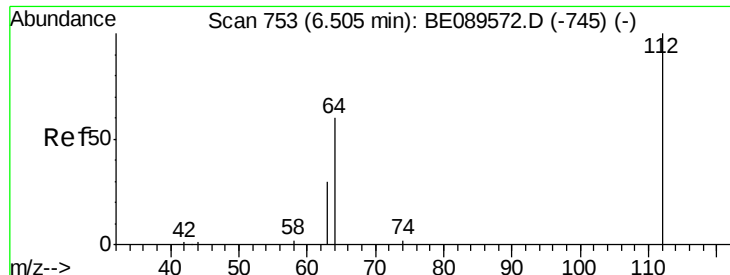
Delta R.T. -0.05 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tgt Ion:	42	Resp:	83713
Ion Ratio	Lower	Upper	
42	100		
74	130.9	90.1	135.1
44	7.8	35.0	52.4#





#3

2-Fluorophenol

Concen: 12.39 ng

RT: 6.50 min Scan# 753

Delta R.T. -0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

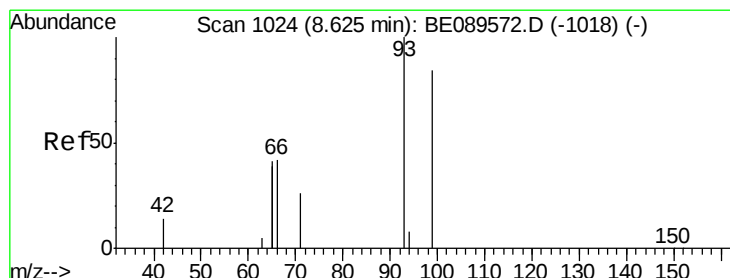
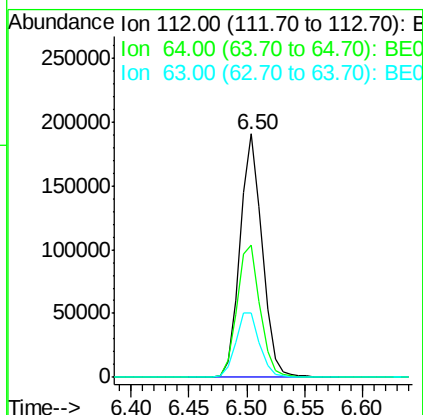
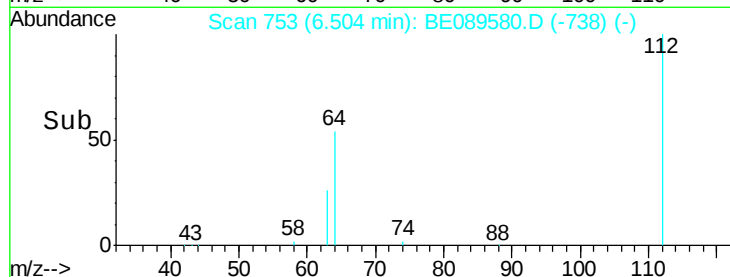
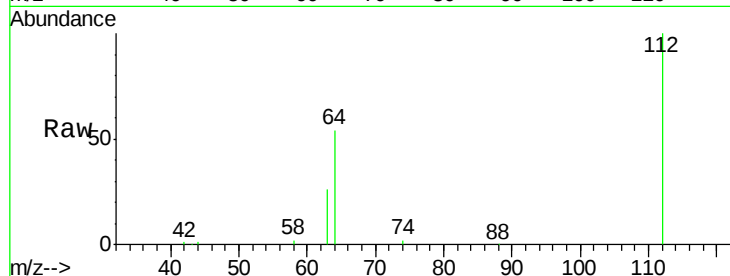
ClientSampled :

PB81705BS

Tot Ion:	112	Resp:	253095
Ion Ratio	Lower	Upper	
112	100		
64	54.4	48.6	72.8
63	26.4	24.6	37.0

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#4

Phenol-d6

Concen: 12.09 ng

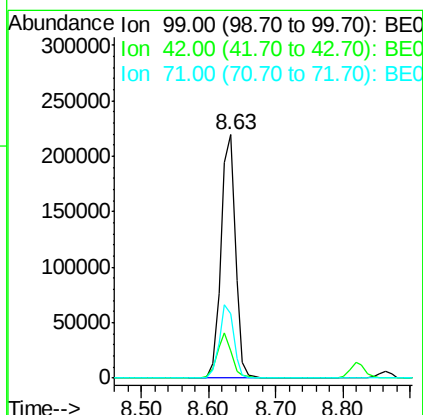
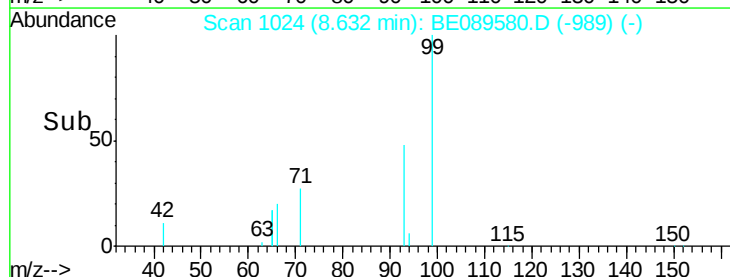
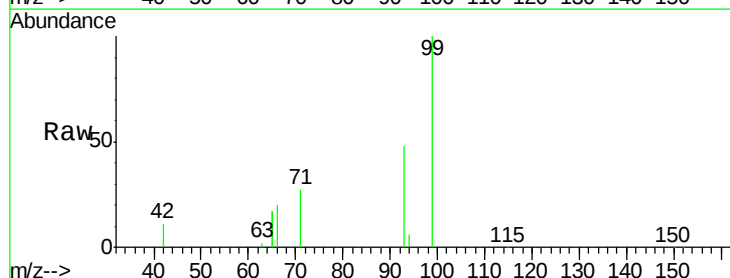
RT: 8.63 min Scan# 1024

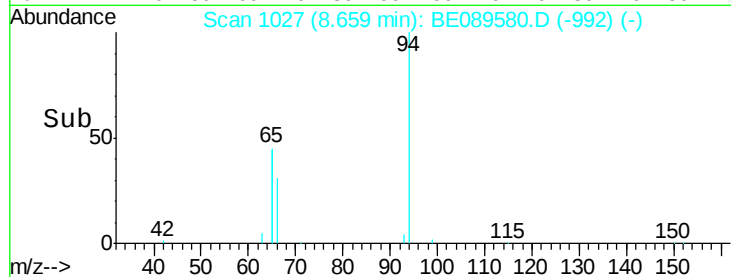
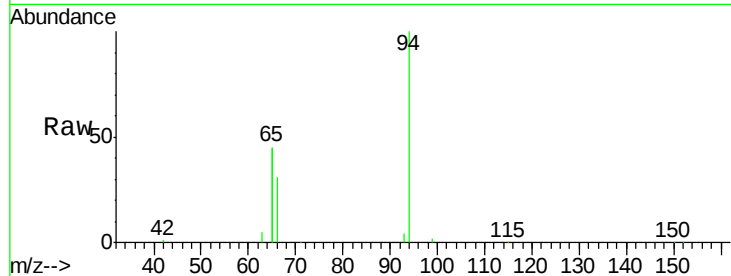
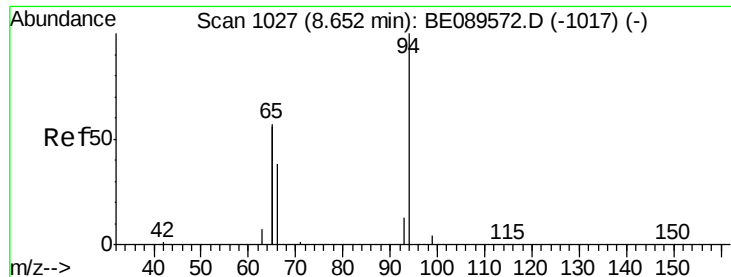
Delta R.T. 0.01 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tgt Ion:	99	Resp:	327549
Ion Ratio	Lower	Upper	
99	100		
42	11.0	13.9	20.9#
71	26.6	25.2	37.8





#5

Phenol

Concen: 7.69 ng

RT: 8.66 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tot Ion:	94	Resp:	224232
Ion Ratio	Lower	Upper	
94	100		
65	89.3	94.5	134.5#
66	30.7	18.2	58.2

Instrument :

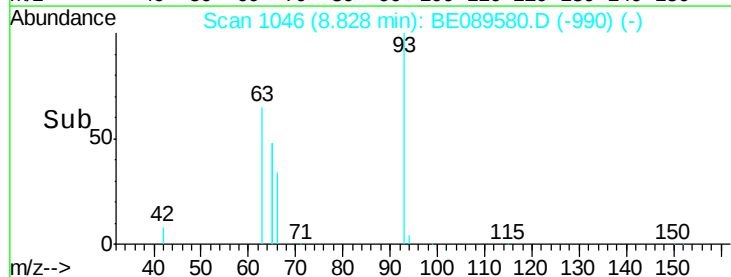
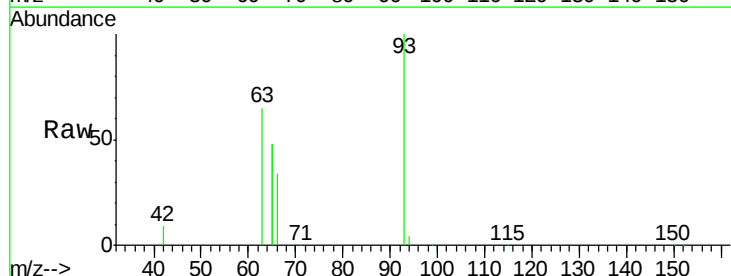
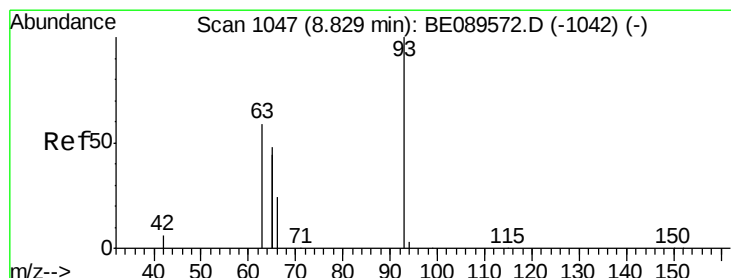
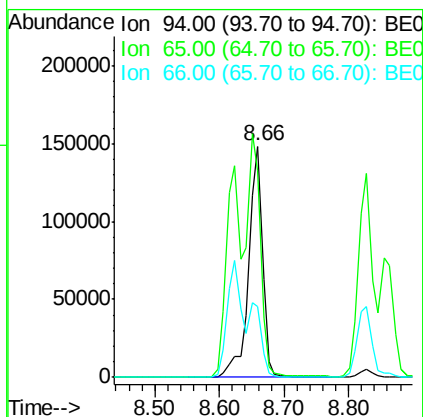
BNA_E

ClientSampleId :

PB81705BS

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#6

bis(2-Chloroethyl)ether

Concen: 8.24 ng

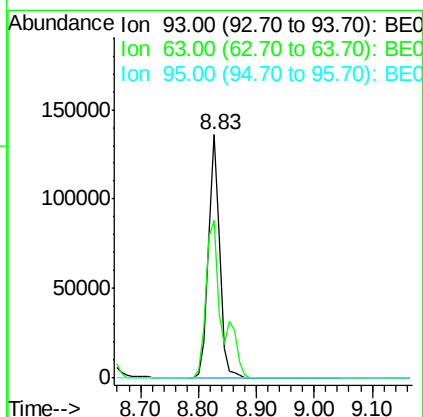
RT: 8.83 min Scan# 1046

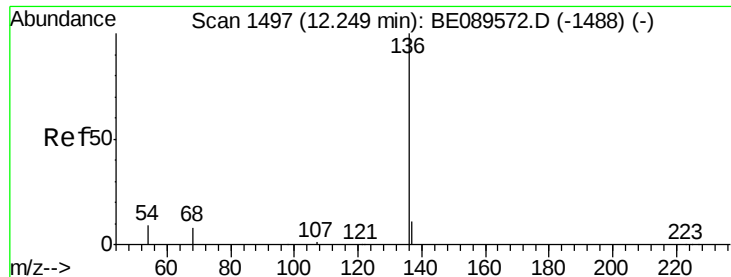
Delta R.T. -0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tgt Ion:	93	Resp:	183007
Ion Ratio	Lower	Upper	
93	100		
63	94.5	81.7	122.5
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

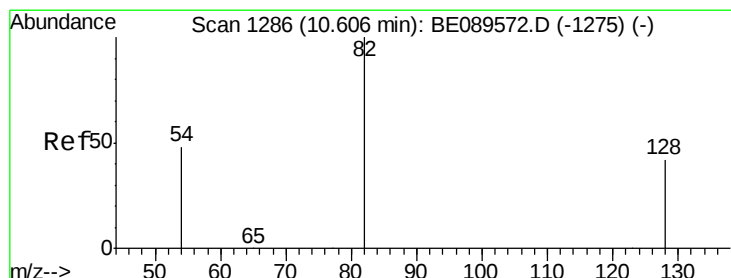
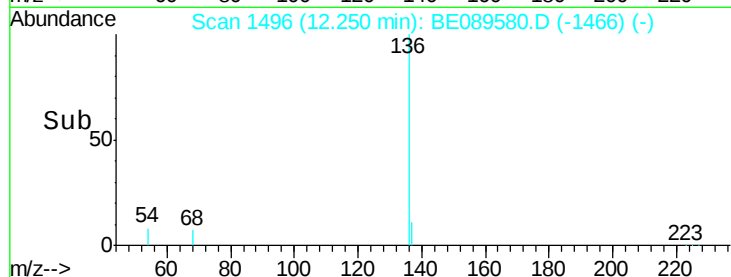
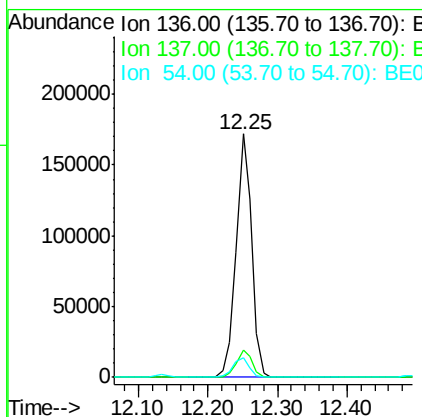
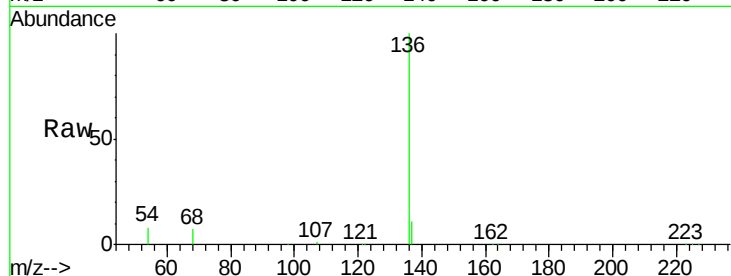
ClientSampleId :

PB81705BS

Tot Ion:	136	Resp:	263504
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	8.2	7.0	10.4

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#8

Nitrobenzene-d5

Concen: 12.69 ng

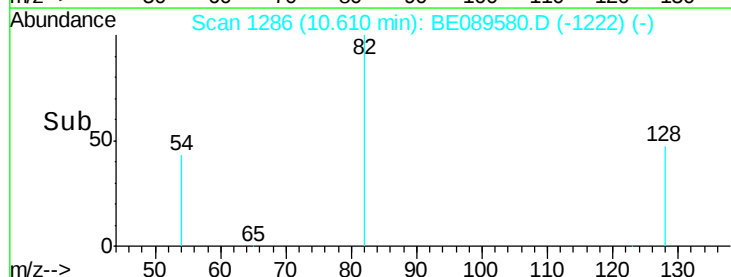
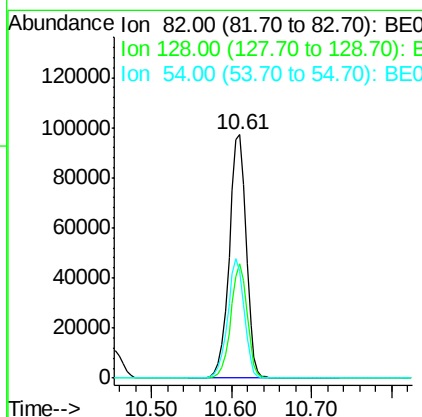
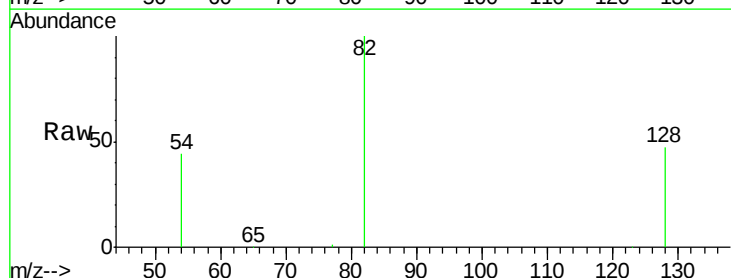
RT: 10.61 min Scan# 1286

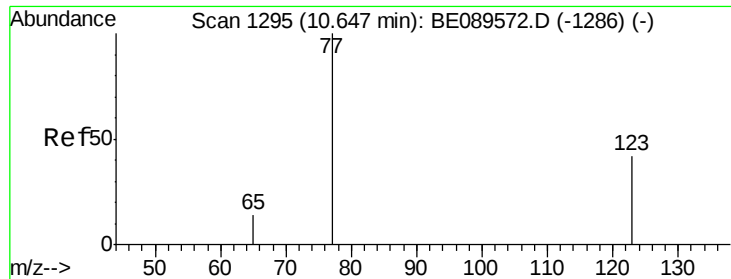
Delta R.T. 0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tgt Ion:	82	Resp:	142148
Ion Ratio	Lower	Upper	
82	100		
128	46.9	33.8	50.6
54	44.0	39.0	58.6





#9

Nitrobenzene

Concen: 11.29 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

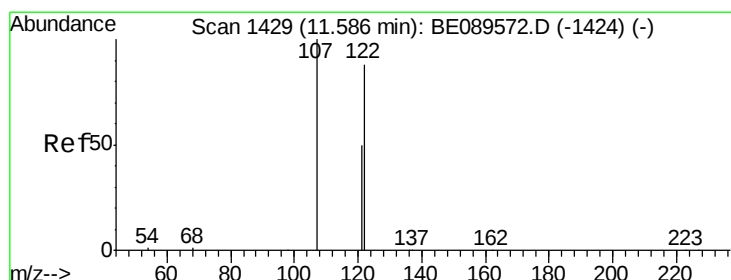
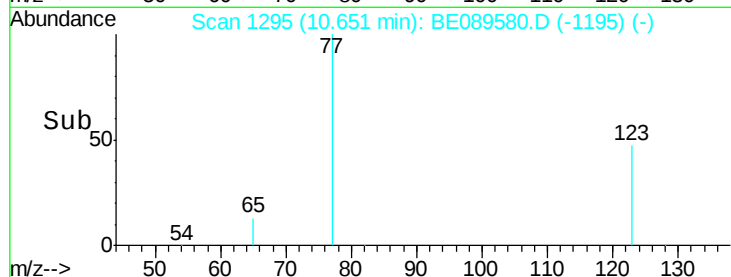
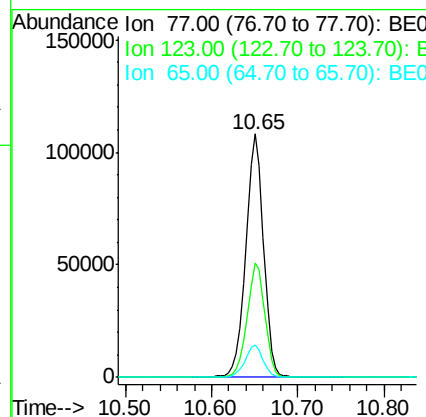
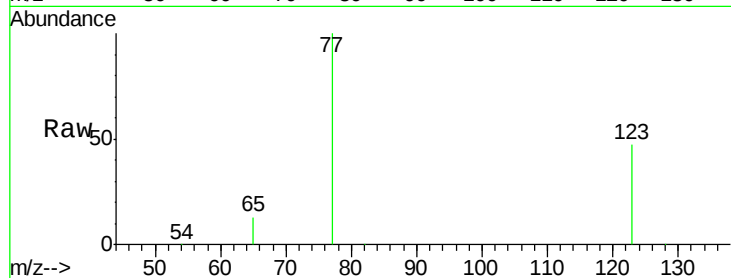
ClientSampleId :

PB81705BS

Tot Ion	Ratio	Lower	Upper
77	100		
123	46.8	34.4	51.6
65	13.3	11.4	17.2

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#10

2,4-Dimethylphenol

Concen: 7.67 ng

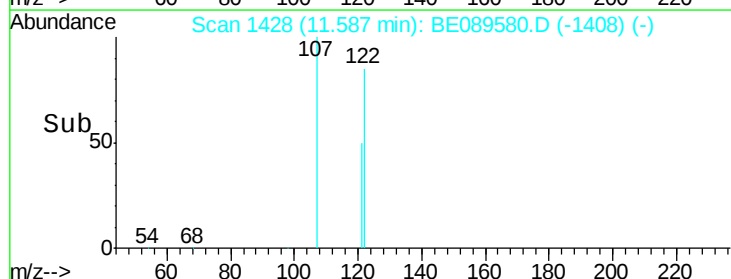
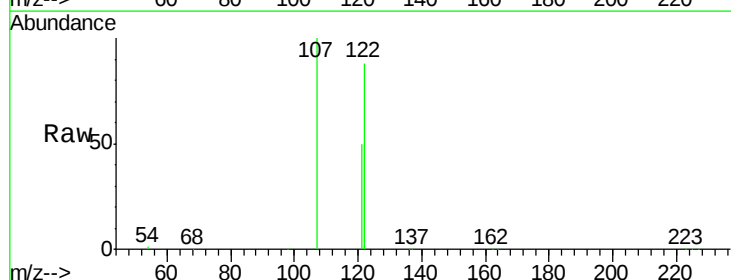
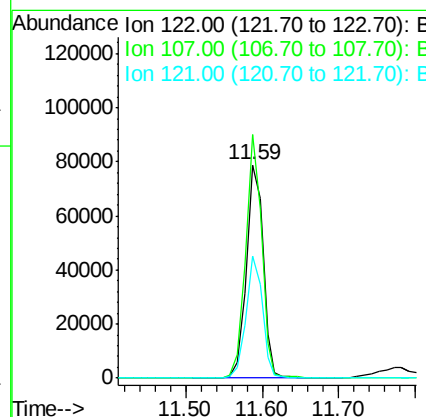
RT: 11.59 min Scan# 1428

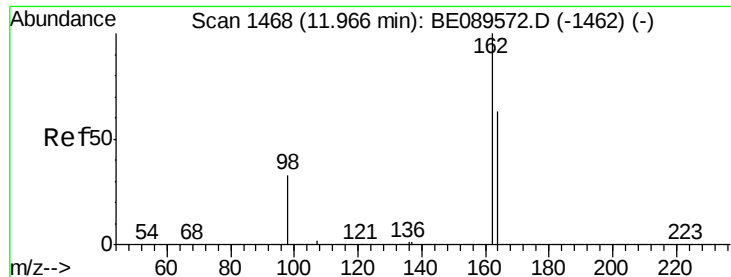
Delta R.T. 0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
122	100		
107	114.1	90.9	136.3
121	57.4	45.4	68.2





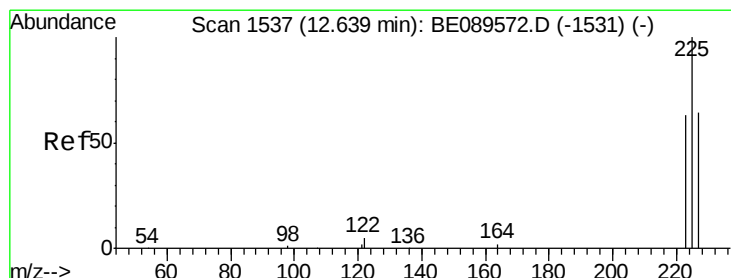
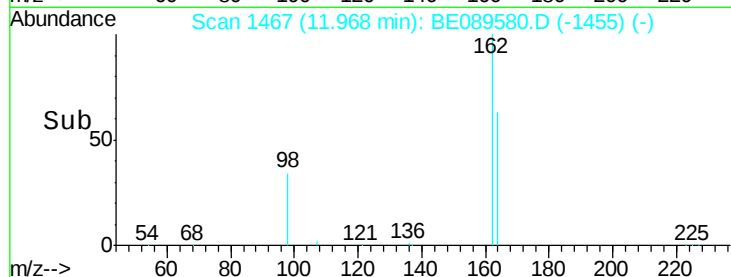
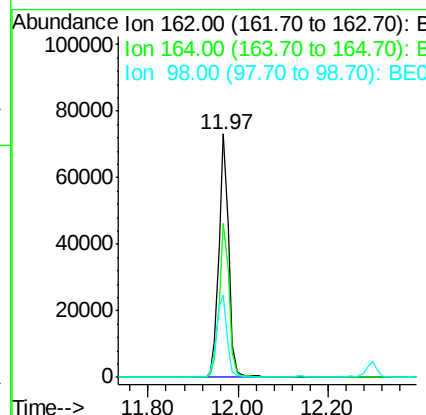
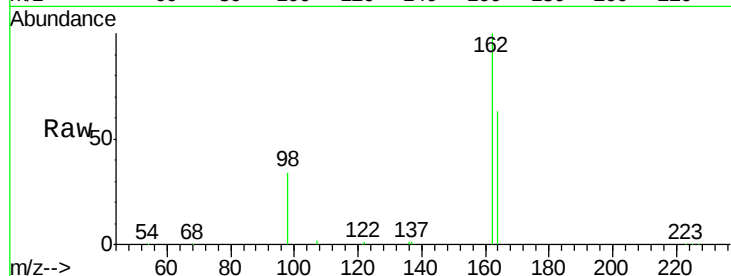
#11
 2,4-Dichlorophenol
 Concen: 8.95 ng
 RT: 11.97 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BE089580.D
 Acq: 16 Feb 2015 22:25

Instrument :
 BNA_E
 ClientSampleID :
 PB81705BS

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.4	83.4
98	34.0	14.6	54.6

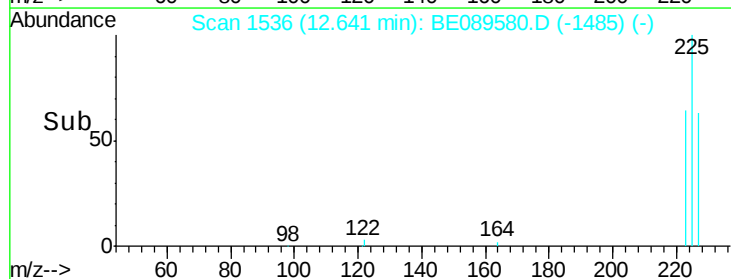
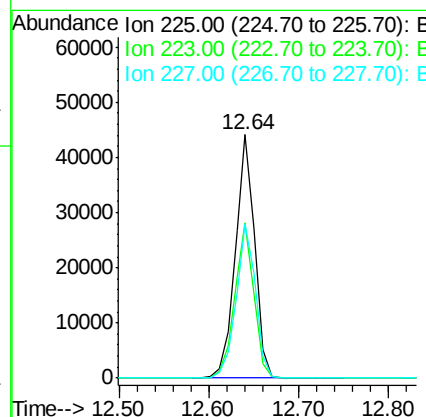
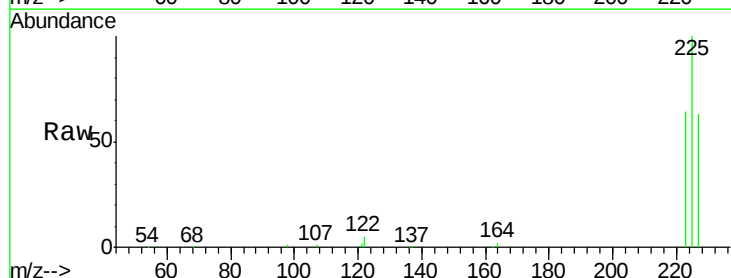
Manual Integrations
 APPROVED

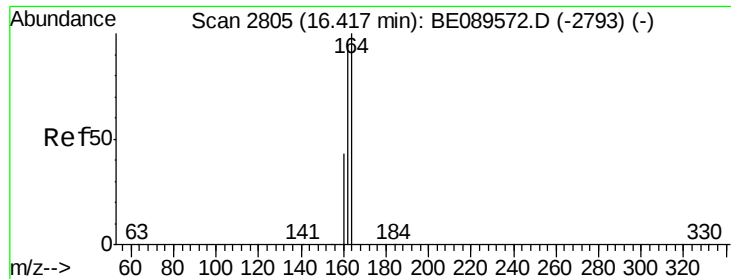
apatel
 2/17/2015 3:36:35 PM



#12
 Hexachlorobutadiene
 Concen: 8.31 ng
 RT: 12.64 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BE089580.D
 Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.4	75.6
227	63.6	51.0	76.6





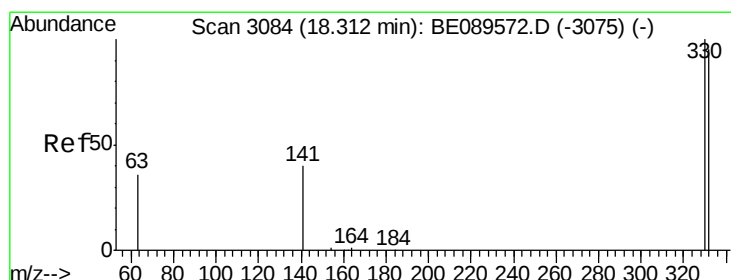
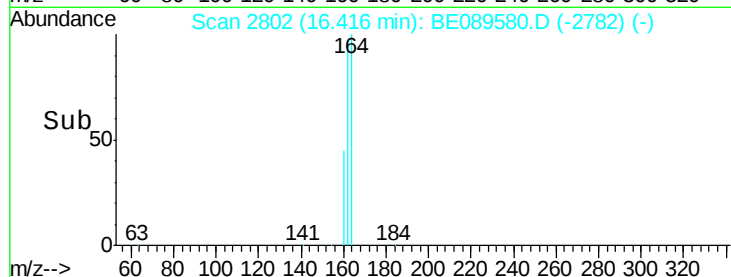
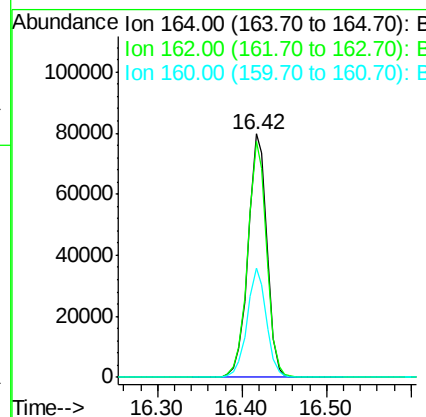
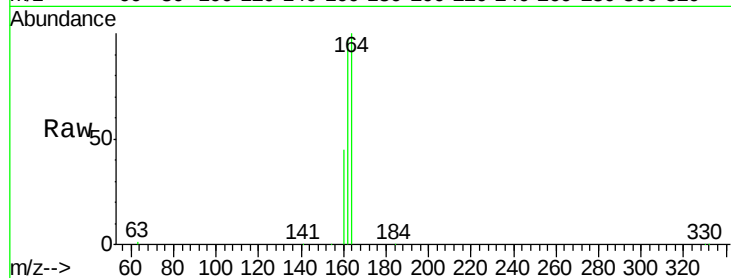
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2802
Delta R.T. -0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Instrument :
BNA_E
ClientSampleId :
PB81705BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.7	76.2	114.4
160	44.7	34.7	52.1

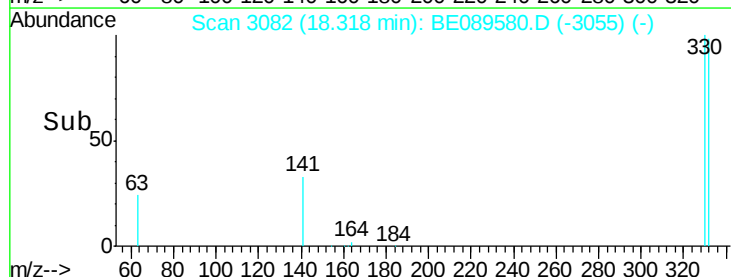
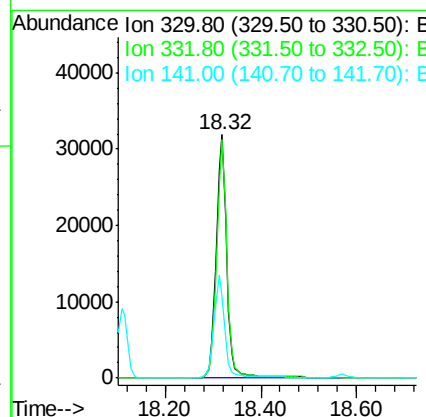
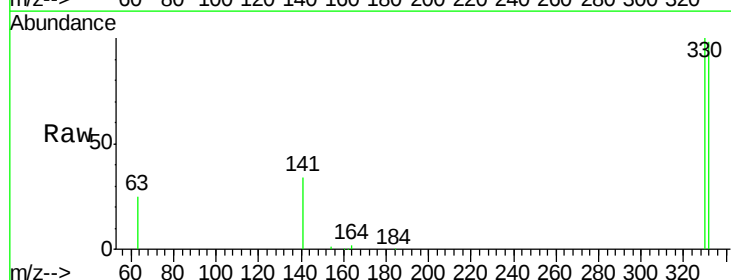
Manual Integrations
APPROVED

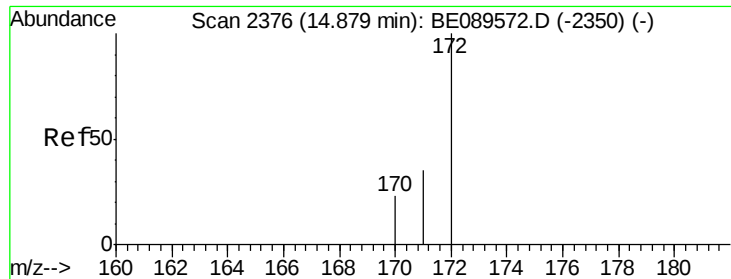
apatel
2/17/2015 3:36:35 PM



#14
2,4,6-Tribromophenol
Concen: 17.65 ng
RT: 18.32 min Scan# 3082
Delta R.T. 0.01 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.3	117.5
141	41.4	33.4	50.0





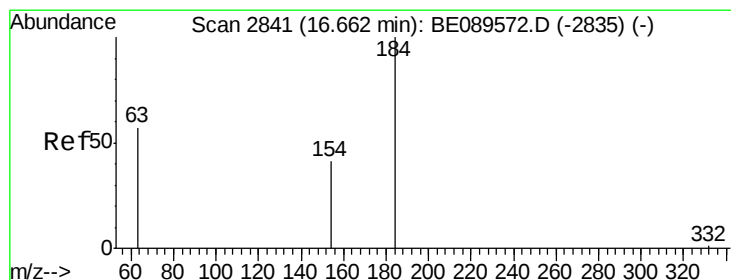
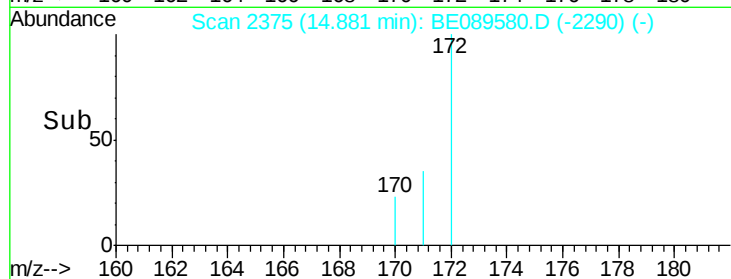
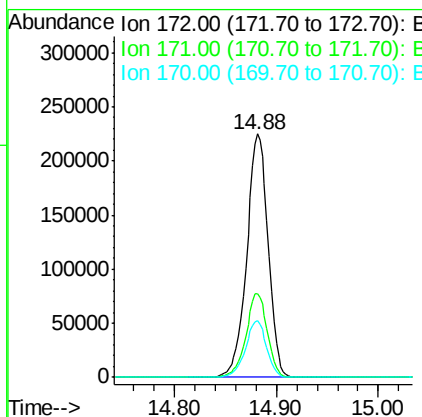
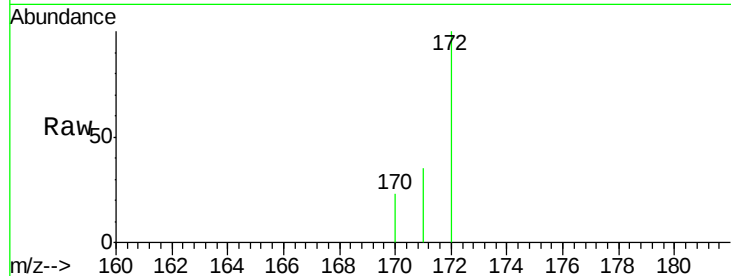
#15
2-Fluorobiphenyl
Concen: 9.88 ng
RT: 14.88 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Instrument :
BNA_E
ClientSampleId :
PB81705BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.1	18.5	27.7

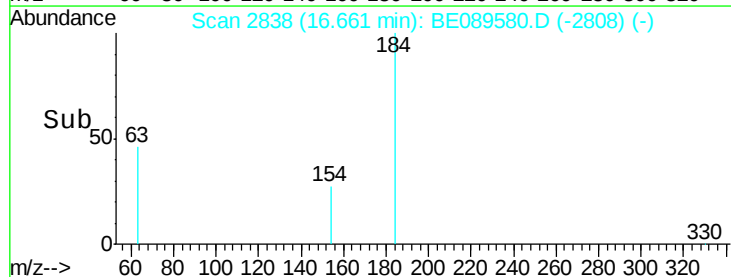
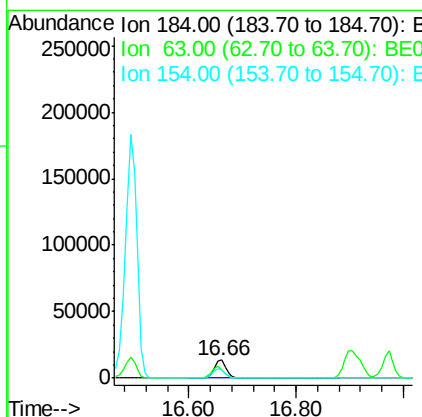
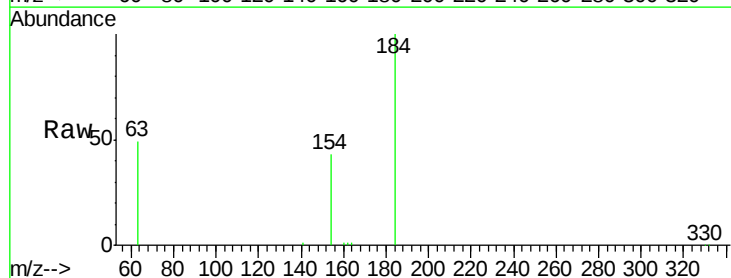
Manual Integrations
APPROVED

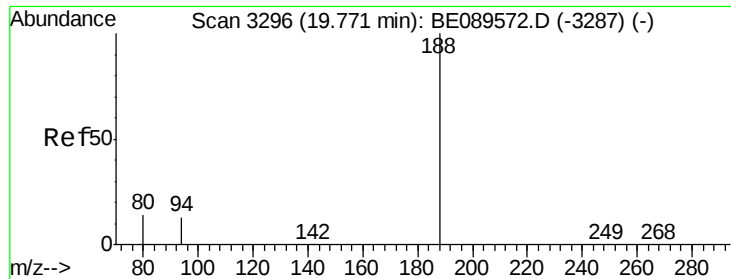
apatel
2/17/2015 3:36:35 PM



#16
2,4-Dinitrophenol
Concen: 50.75 ng
RT: 16.66 min Scan# 2838
Delta R.T. -0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.6	70.8	106.2#
154	43.2	52.9	79.3#





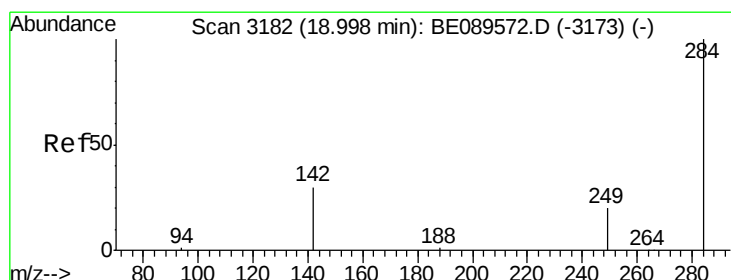
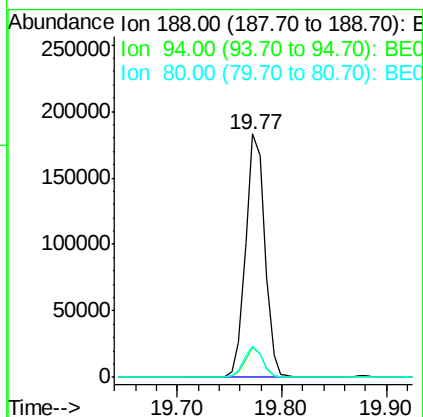
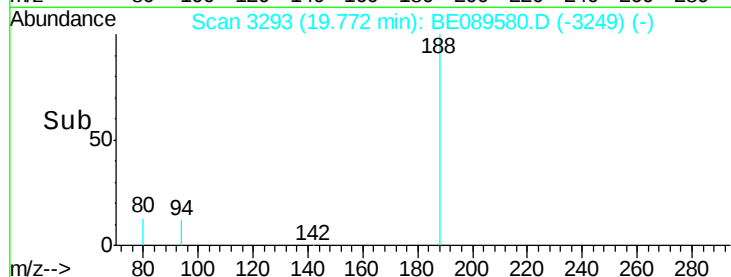
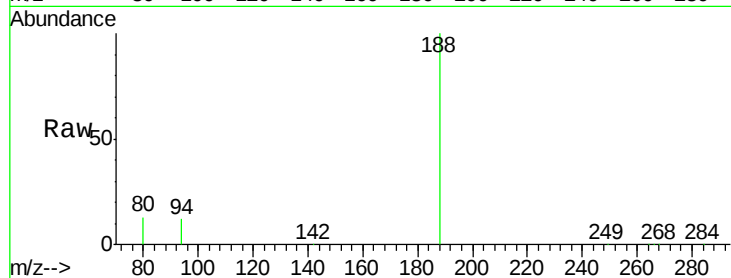
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3293
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Instrument :
BNA_E
ClientSampleId :
PB81705BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.2	10.2	15.4
80	13.0	11.0	16.6

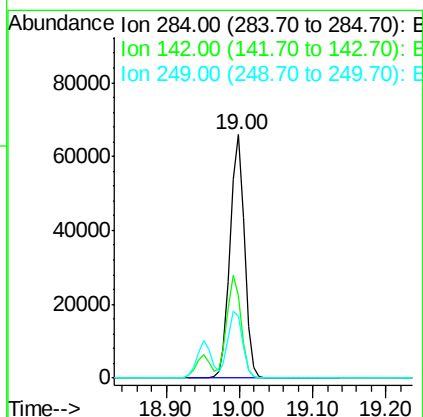
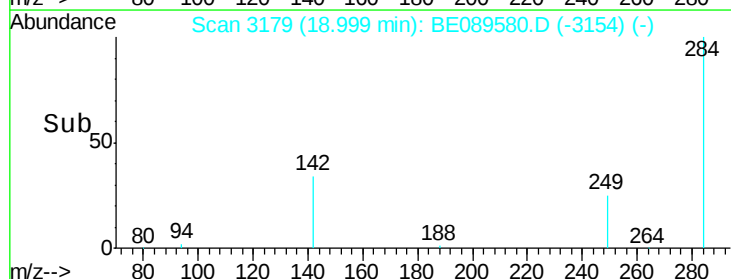
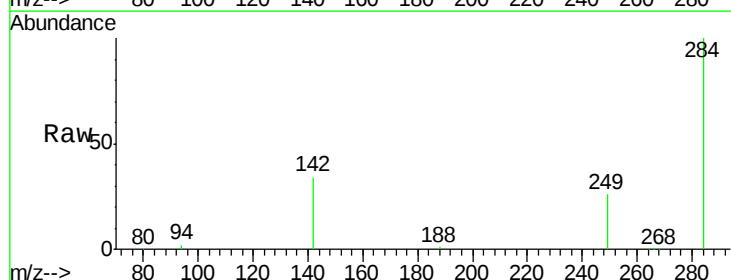
Manual Integrations
APPROVED

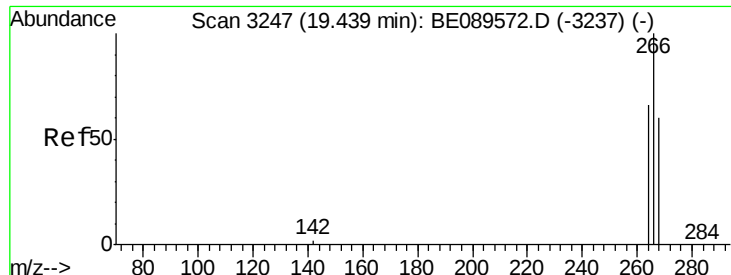
apatel
2/17/2015 3:36:35 PM



#18
Hexachlorobenzene
Concen: 8.89 ng
RT: 19.00 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	33.8	27.6	41.4
249	25.5	20.0	30.0





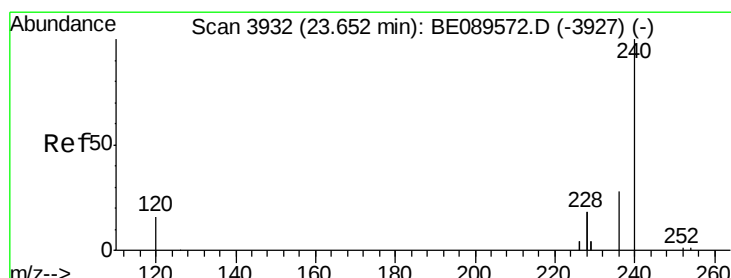
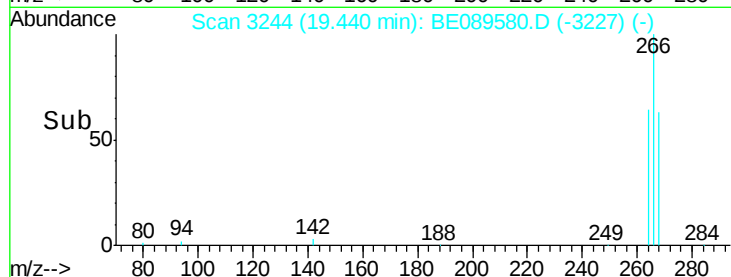
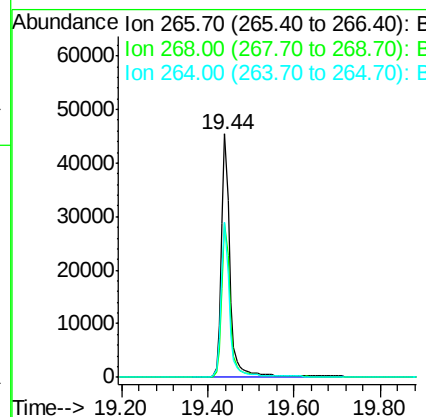
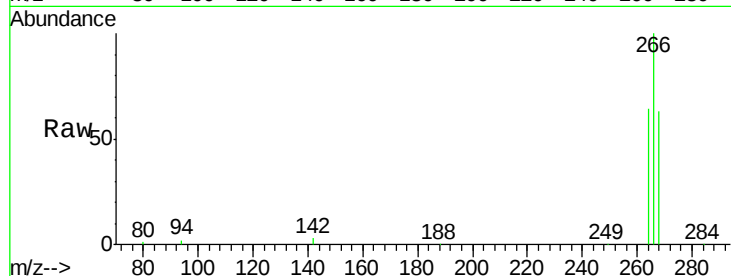
#19
 Pentachlorophenol
 Concen: 35.43 ng
 RT: 19.44 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: BE089580.D
 Acq: 16 Feb 2015 22:25

Instrument :
 BNA_E
 ClientSampleId :
 PB81705BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.2	75.4
264	64.0	54.4	81.6

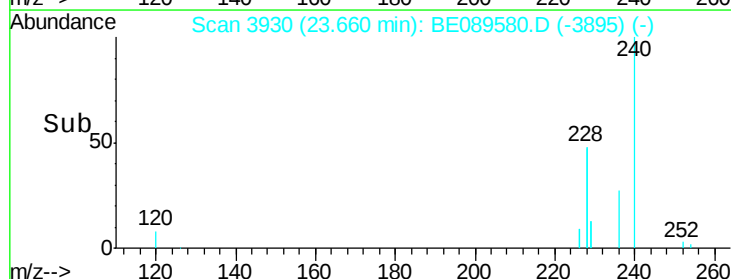
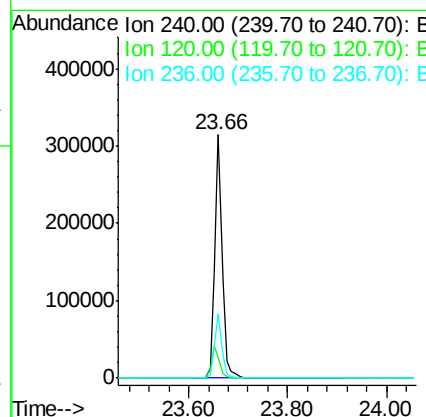
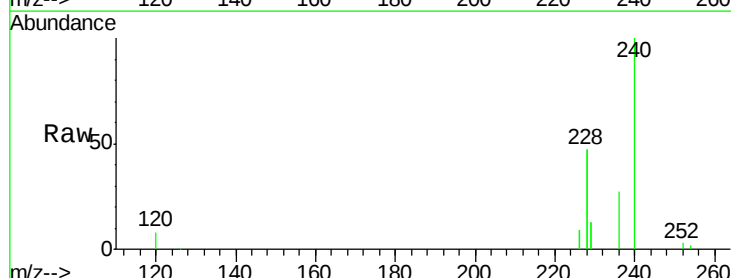
Manual Integrations
 APPROVED

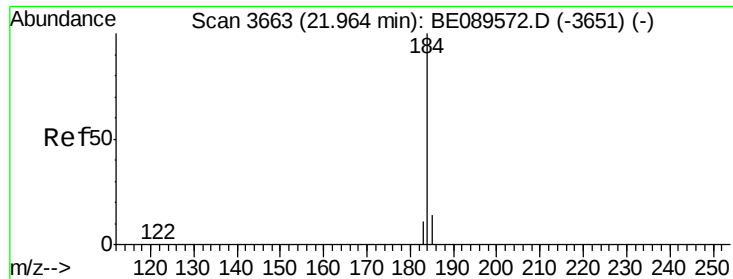
apatel
 2/17/2015 3:36:35 PM



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3930
 Delta R.T. 0.01 min
 Lab File: BE089580.D
 Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.5	12.7	19.1#
236	26.6	22.7	34.1





#21

Benzidine

Concen: 17.95 ng

RT: 21.96 min Scan# 3660

Delta R.T. -0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

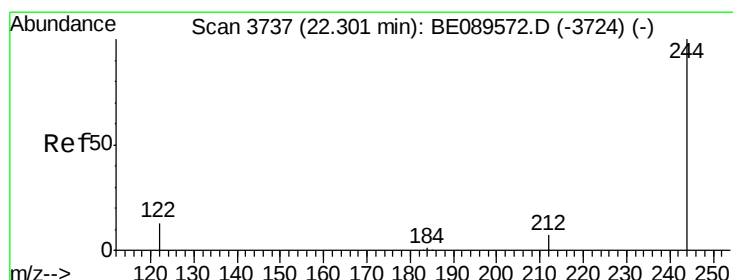
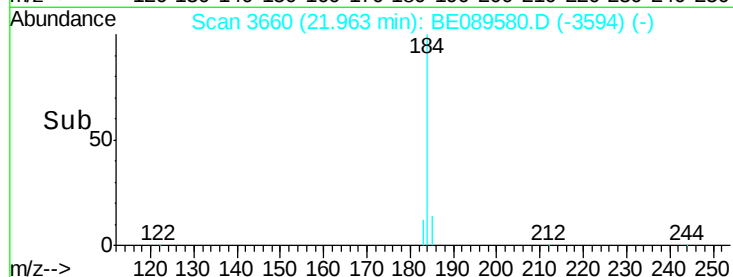
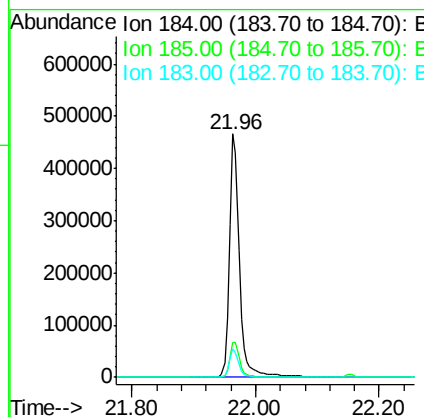
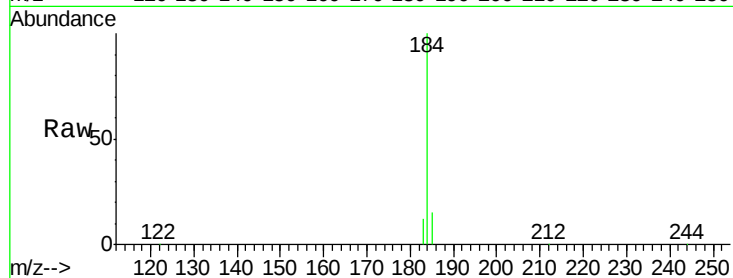
ClientSampleId :

PB81705BS

Tot Ion:	184	Resp:	524570
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.7	17.5
183	11.9	8.9	13.3

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#22

Terphenyl-d14

Concen: 9.80 ng

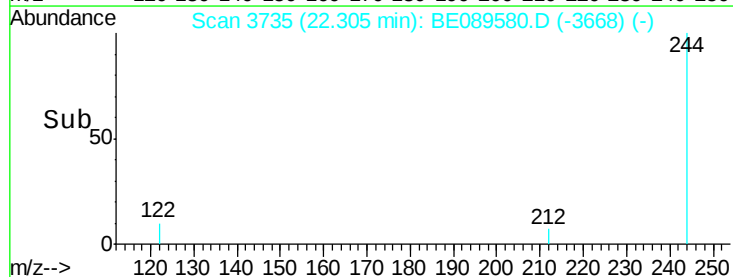
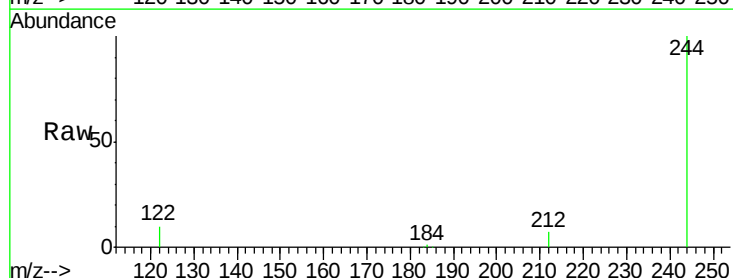
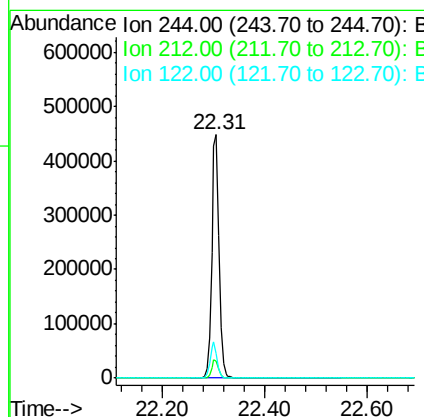
RT: 22.31 min Scan# 3735

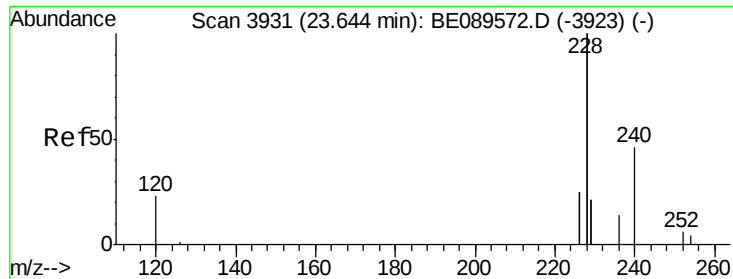
Delta R.T. 0.00 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Tgt Ion:	244	Resp:	440740
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	10.1	10.2	15.2#





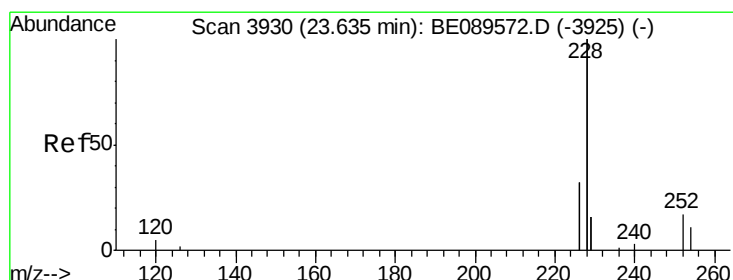
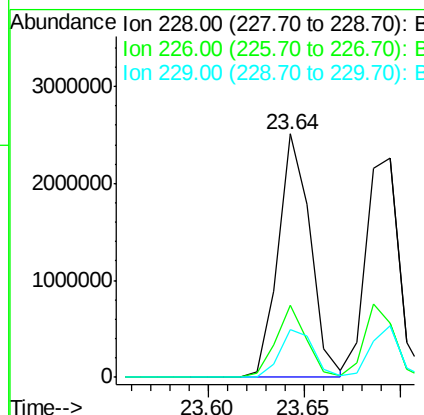
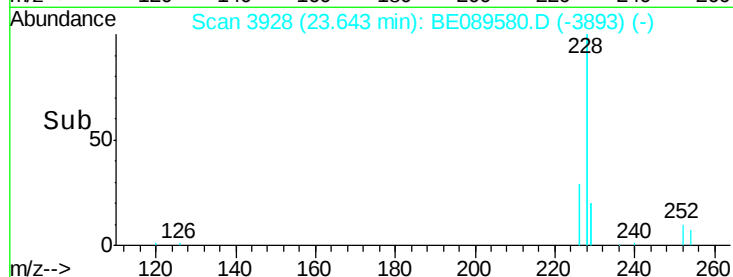
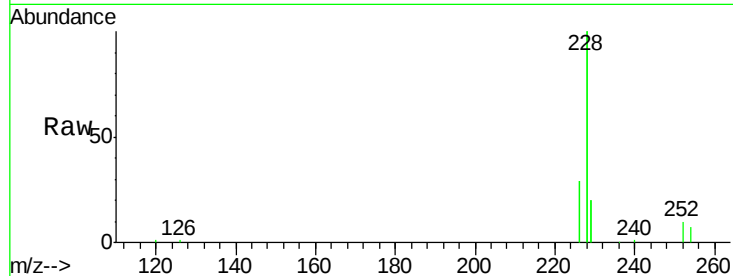
#23
Benzo(a)anthracene
Concen: 8.99 ng
RT: 23.64 min Scan# 3928
Delta R.T. -0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Instrument :
BNA_E
ClientSampleId :
PB81705BS

Tot Ion:228 Resp: 2904982
Ion Ratio Lower Upper
228 100
226 29.4 19.9 29.9
229 19.7 16.6 24.8

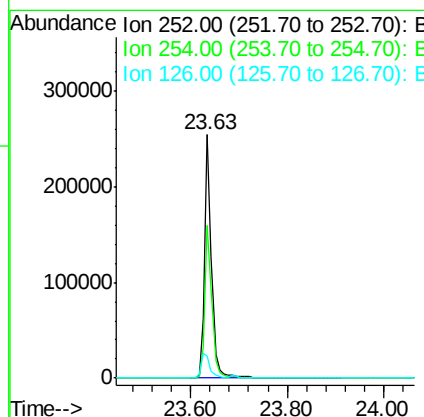
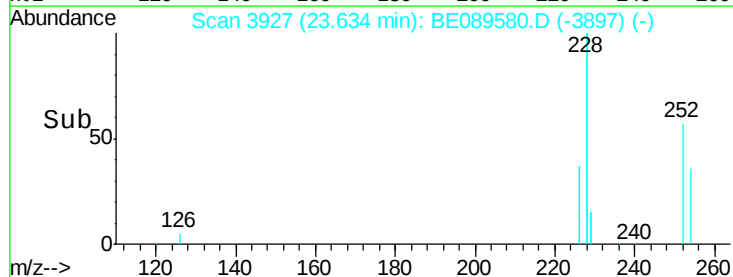
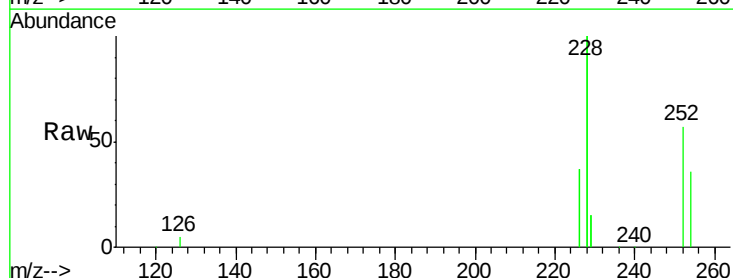
Manual Integrations
APPROVED

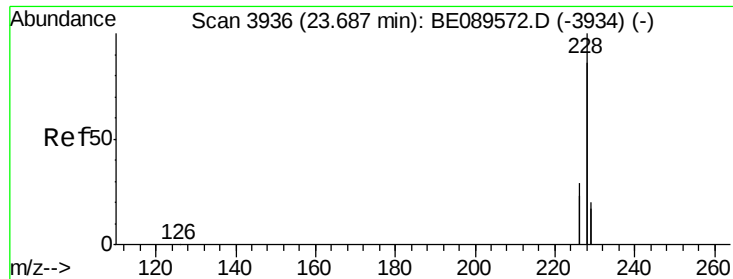
apatel
2/17/2015 3:36:35 PM



#24
3,3'-Dichlorobenzidine
Concen: 11.11 ng
RT: 23.63 min Scan# 3927
Delta R.T. -0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Tgt Ion:252 Resp: 260752
Ion Ratio Lower Upper
252 100
254 62.5 51.0 76.4
126 9.3 8.3 12.5





#25

Chrysene

Concen: 8.95 ng/mL

RT: 23.69 min Scan# 3934

Delta R.T. 0.01 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

ClientSampleId :

PB81705BS

Tot Ion: 228 Resp: 2780356

Ion Ratio Lower Upper

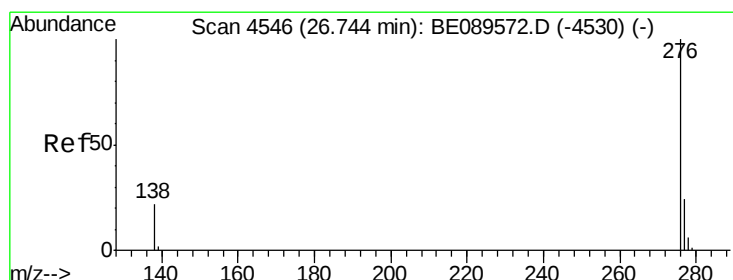
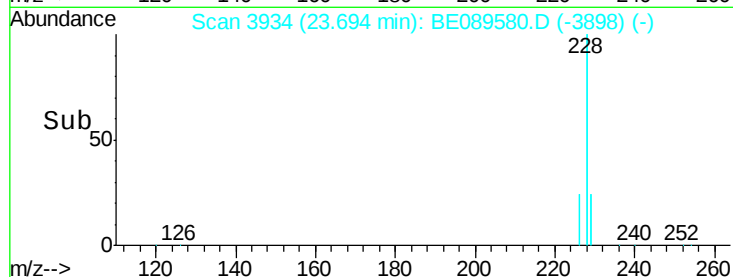
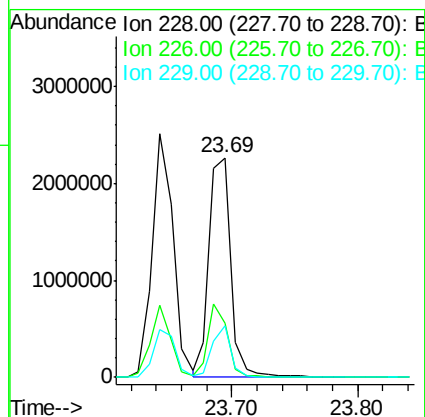
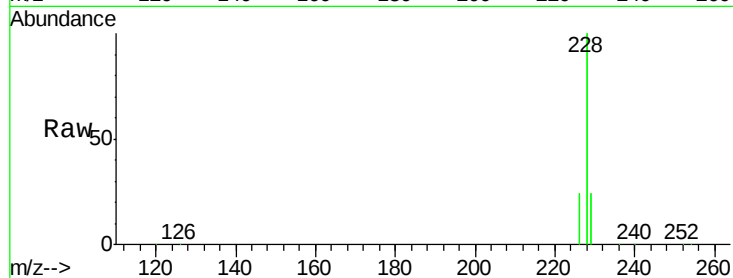
228 100

226 24.4 22.9 34.3

229 23.7 15.8 23.6#

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 10.60 ng/mL

RT: 26.76 min Scan# 4546

Delta R.T. 0.01 min

Lab File: BE089580.D

Acq: 16 Feb 2015 22:25

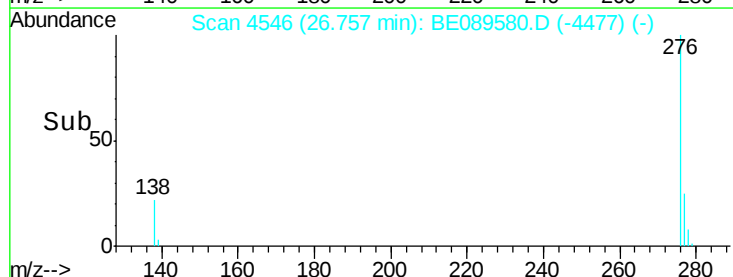
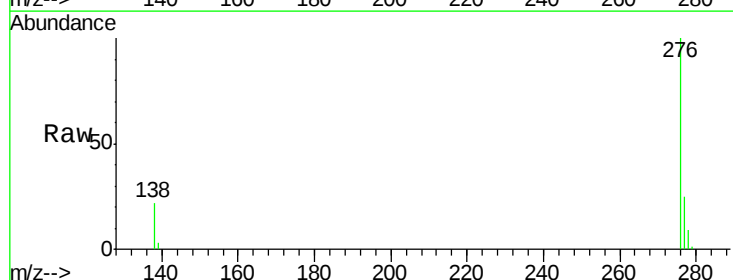
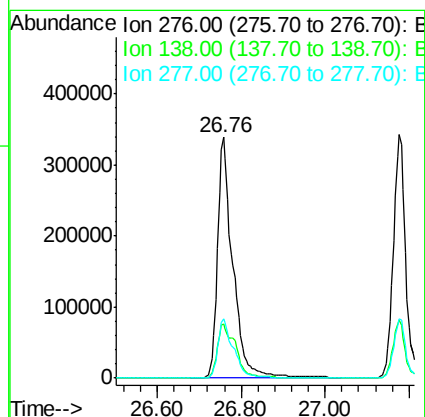
Tgt Ion: 276 Resp: 855923

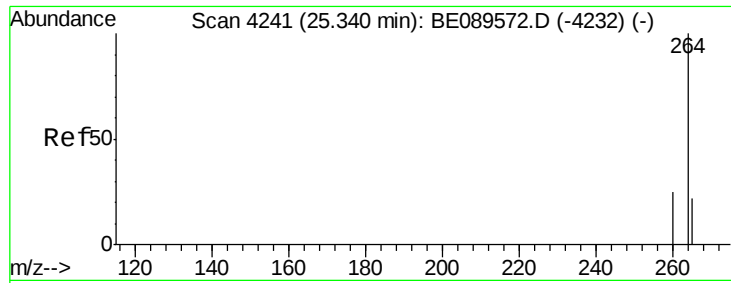
Ion Ratio Lower Upper

276 100

138 27.5 22.1 33.1

277 25.5 19.4 29.2





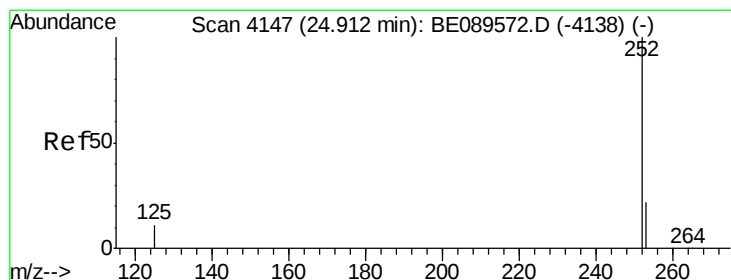
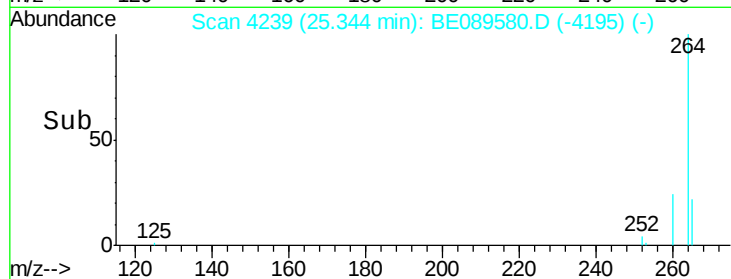
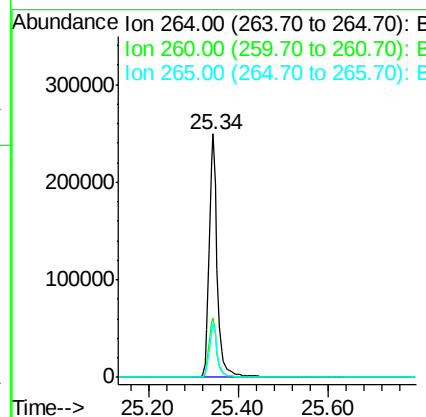
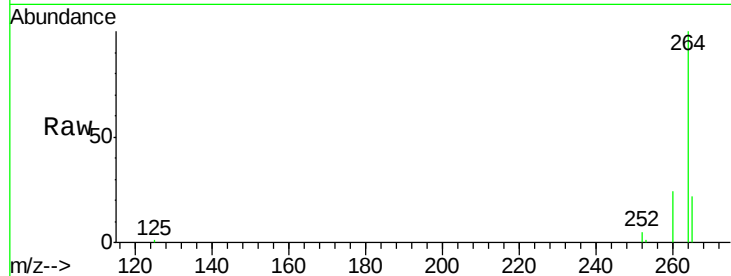
#27
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4239
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Instrument :
BNA_E
ClientSampleId :
PB81705BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	22.1	17.5	26.3

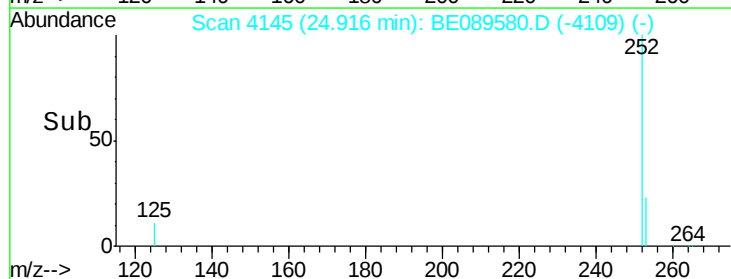
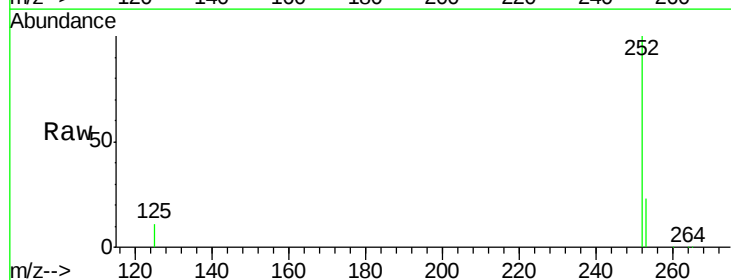
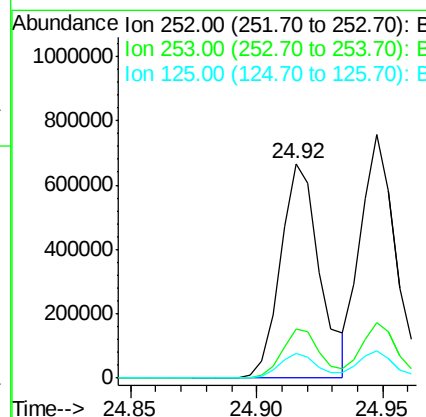
Manual Integrations
APPROVED

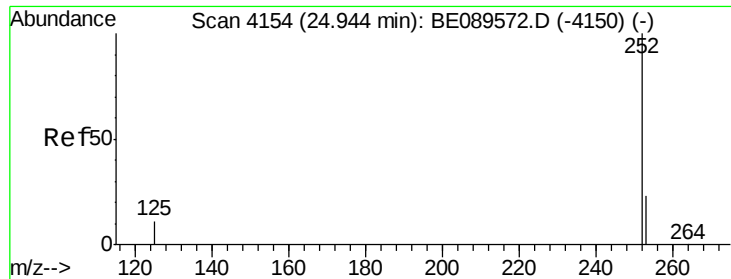
apatel
2/17/2015 3:36:35 PM



#28
Benzo(b)fluoranthene
Concen: 10.62 ng
RT: 24.92 min Scan# 4145
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.4	9.0	13.4





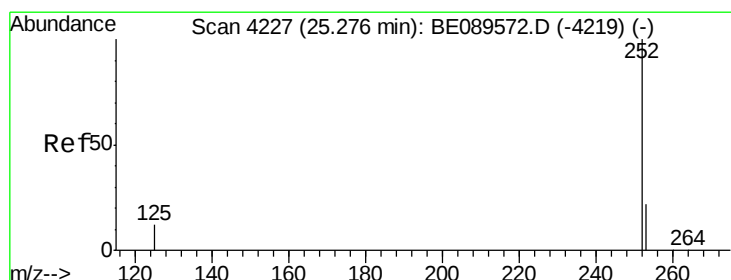
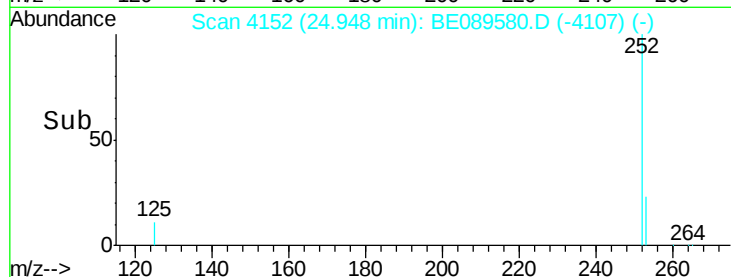
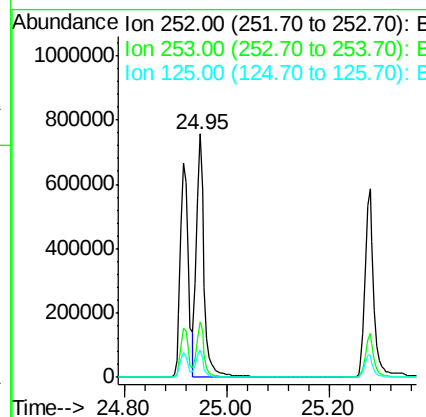
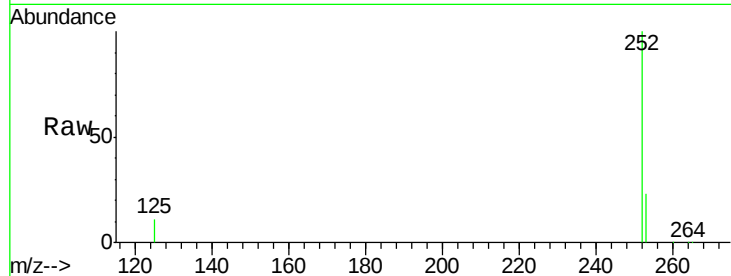
#29
Benzo(k)fluoranthene
Concen: 8.93 ng
RT: 24.95 min Scan# 4152
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Instrument :
BNA_E
ClientSampleId :
PB81705BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.3	8.9	13.3

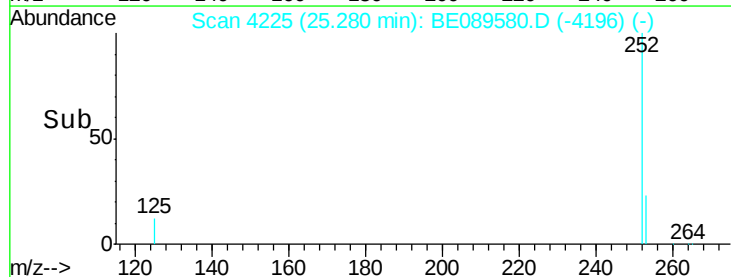
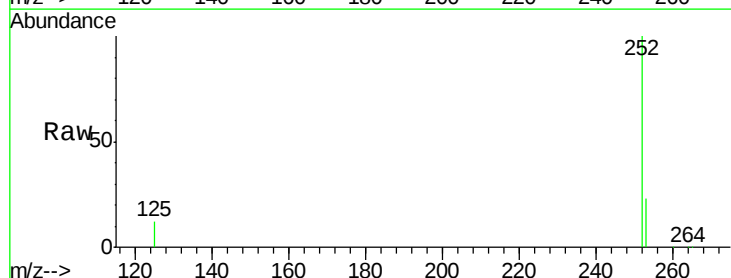
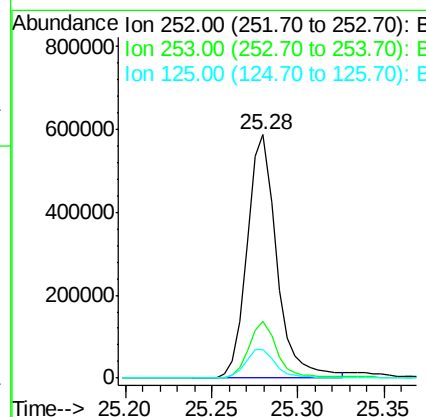
Manual Integrations
APPROVED

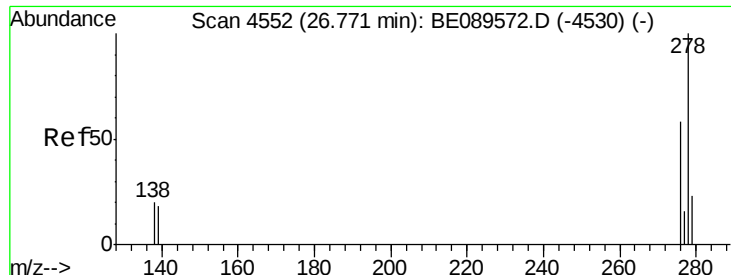
apatel
2/17/2015 3:36:35 PM



#30
Benzo(a)pyrene
Concen: 10.67 ng
RT: 25.28 min Scan# 4225
Delta R.T. 0.00 min
Lab File: BE089580.D
Acq: 16 Feb 2015 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.0	9.5	14.3





#31

Dibenzo(a,h)anthracene

Concen: 10.81 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.01 min

Lab File: BE089580.D

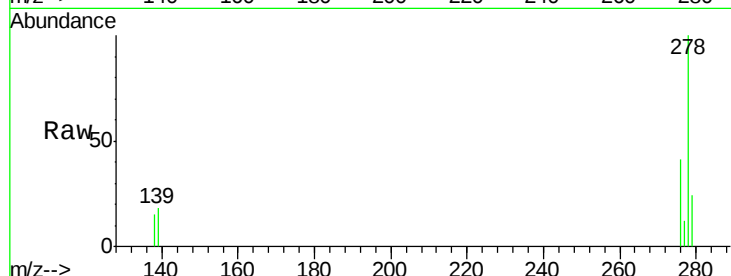
Acq: 16 Feb 2015 22:25

Instrument :

BNA_E

ClientSampleId :

PB81705BS



Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.7	22.1
279	24.5	19.0	28.4

Manual Integrations
APPROVED

apatel
2/17/2015 3:36:35 PM

