

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089978.D
 Acq On : 27 Jun 2015 15:55
 Operator : TP/IZ
 Sample : G2782-22 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

Manual Integrations
 APPROVED

apatel
 6/29/2015 5:05:15 PM

Quant Time: Jun 29 01:50:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 16:51:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	24880	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	122860	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	72364	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	168065	5.00	ng	0.00
25) Chrysene-d12	21.14	240	188077	5.00	ng	0.00
32) Perylene-d12	23.47	264	175906	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	30049	6.69	ng	0.00
5) Phenol-d6	6.81	99	50476	7.33	ng	0.00
7) Nitrobenzene-d5	8.77	82	31502	3.44	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	9572	7.52	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	73281	3.47	ng	0.00
27) Terphenyl-d14	19.60	244	105402	3.25	ng	0.00
Target Compounds						Qvalue
15) Acenaphthylene	13.95	152	11650	0.09	ng	100
22) Phenanthrene	17.01	178	4805	0.11	ng	97
23) Anthracene	17.12	178	2754	0.07	ng	99
24) Fluoranthene	19.02	202	14028	0.31	ng	99
26) Pyrene	19.39	202	13854	0.29	ng	97
28) Benzo(a)anthracene	21.12	228	9780	0.22	ng	91
29) Chrysene	21.17	228	11090	0.23	ng	95
30) Bis(2-ethylhexyl)phthalate	21.07	149	5942	1.55	ng	98
31) Indeno(1,2,3-cd)pyrene	25.88	276	14576	0.40	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	19929	0.54	ng	# 94
34) Benzo(k)fluoranthene	22.80	252	7273m	0.17	ng	
35) Benzo(a)pyrene	23.36	252	13682	0.41	ng	# 95
36) Dibenzo(a,h)anthracene	25.89	278	3038	0.10	ng	# 79
37) Benzo(g,h,i)perylene	26.62	276	18178	0.55	ng	98

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

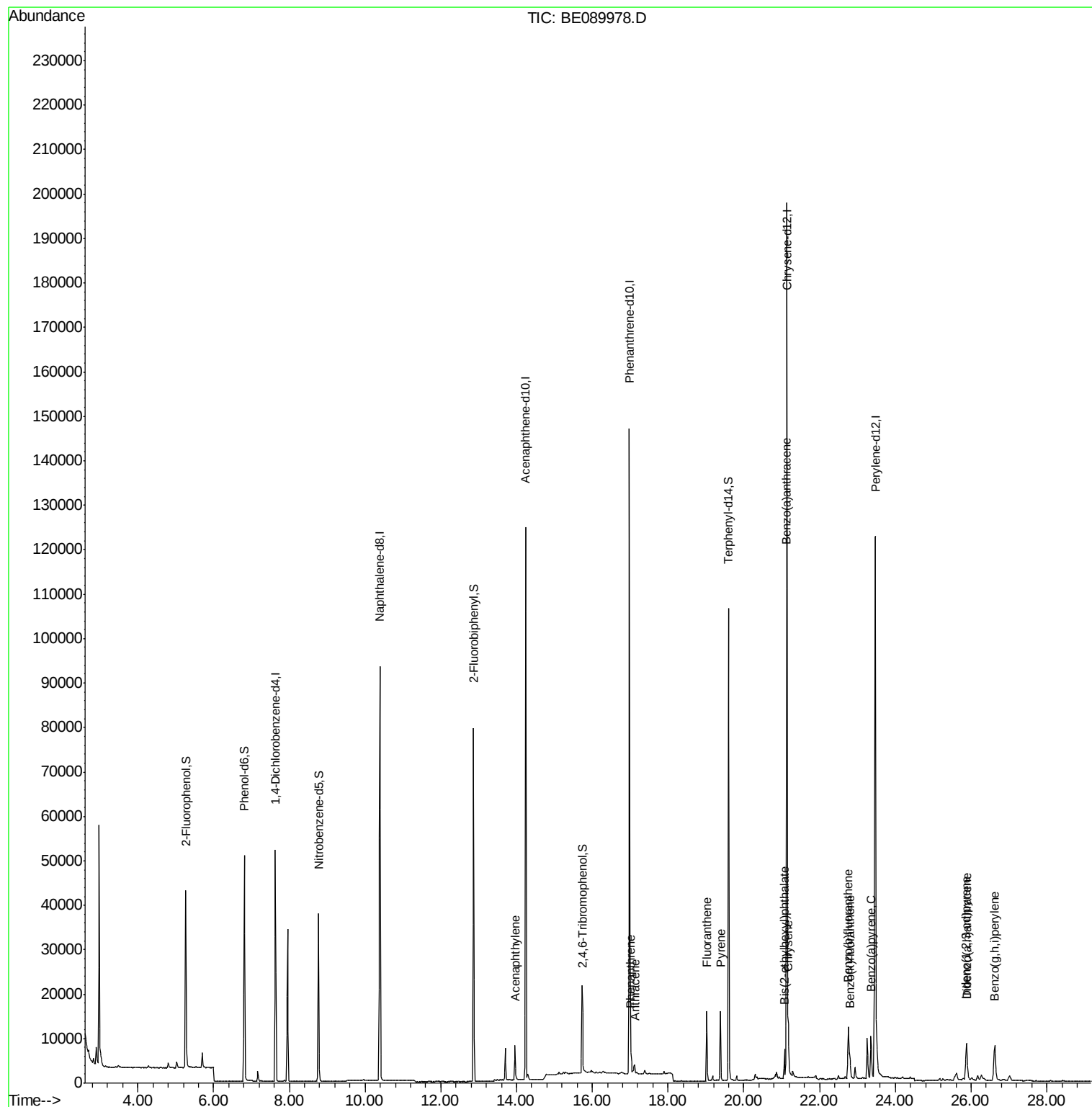
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
Data File : BE089978.D
Acq On : 27 Jun 2015 15:55
Operator : TP/IZ
Sample : G2782-22 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

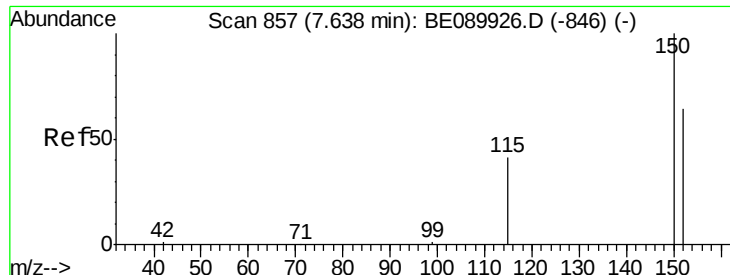
Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624-D

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM

Quant Time: Jun 29 01:50:01 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 16:51:27 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089978.D

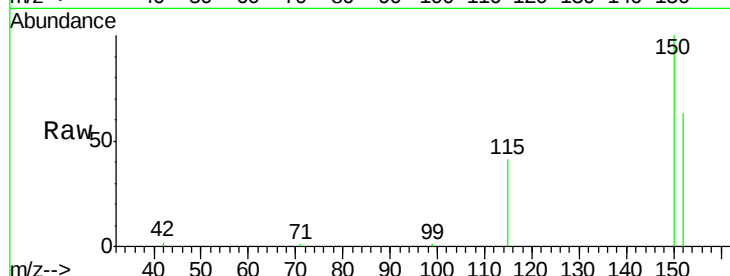
Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D



Tgt Ion:152 Resp: 24880

Ion Ratio Lower Upper

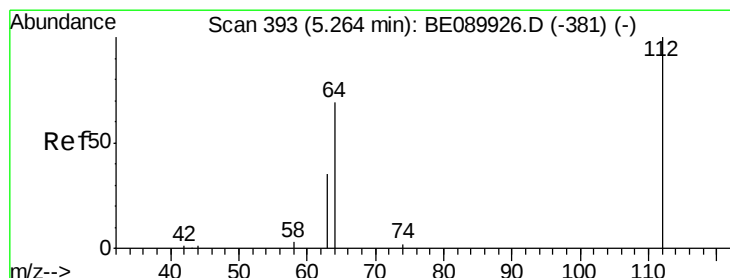
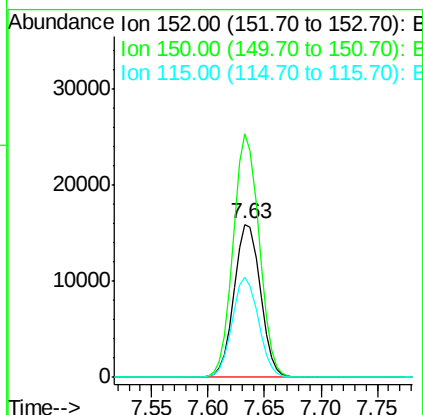
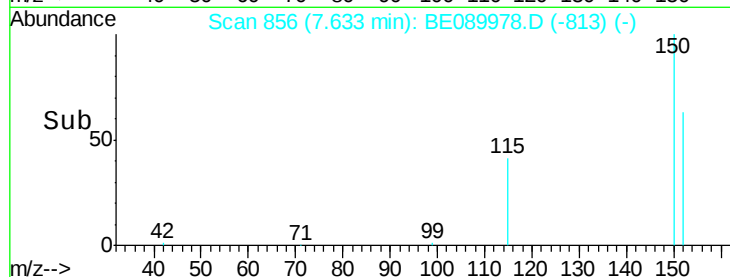
152 100

150 159.3 124.6 186.8

115 65.5 51.6 77.4

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#4

2-Fluorophenol

Concen: 6.69 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

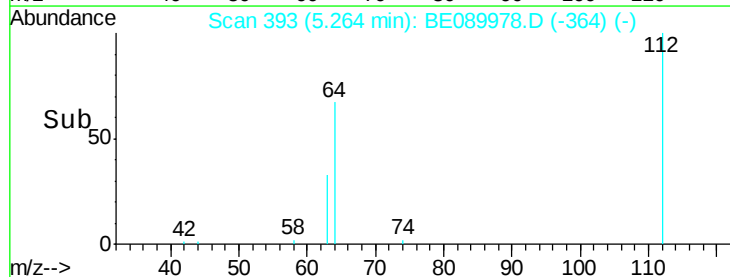
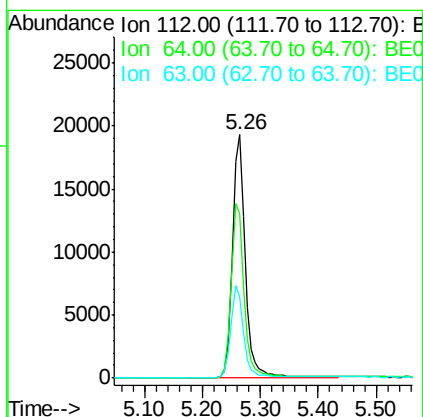
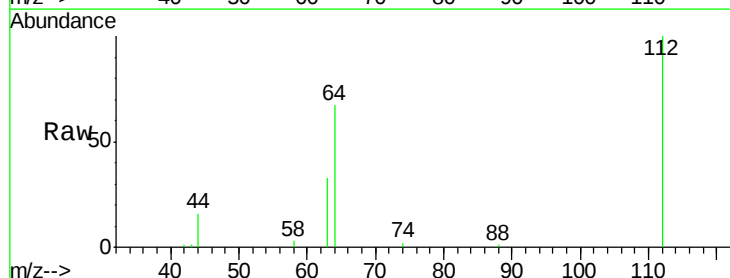
Tgt Ion:112 Resp: 30049

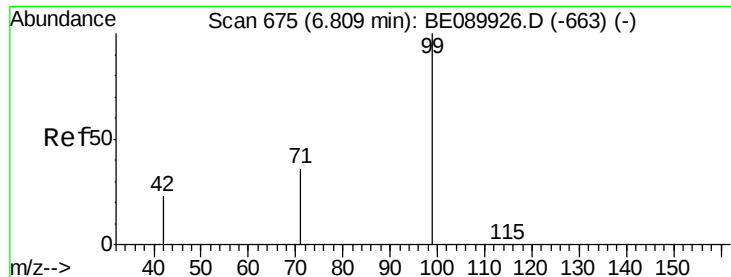
Ion Ratio Lower Upper

112 100

64 72.5 57.4 86.2

63 37.9 31.2 46.8





#5

Phenol-d6

Concen: 7.33 ng

RT: 6.81 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

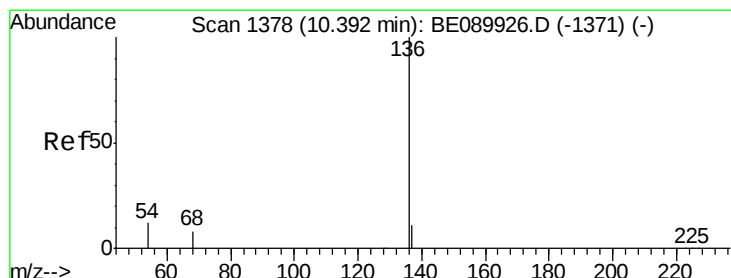
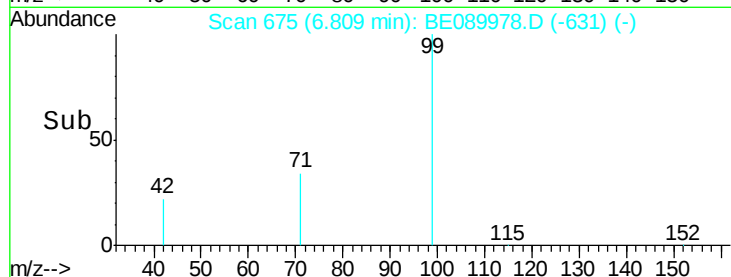
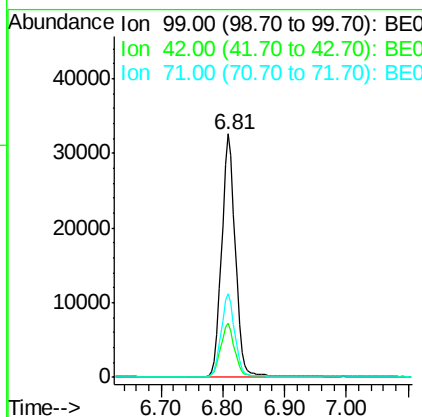
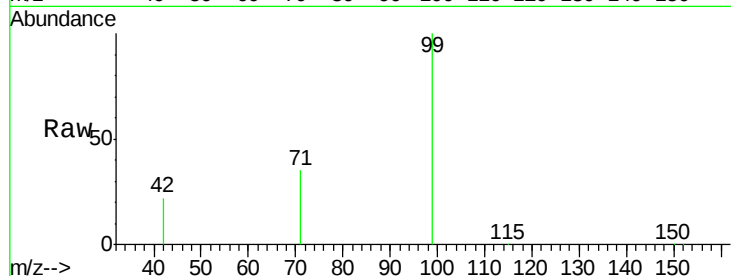
ClientSampleId :

X3SS0190006-150624-D

Tgt Ion:	99	Resp:	50476
Ion Ratio	Lower	Upper	
99	100		
42	22.1	19.5	29.3
71	34.4	27.8	41.6

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#6

Naphthalene-d8

Concen: 5.00 ng

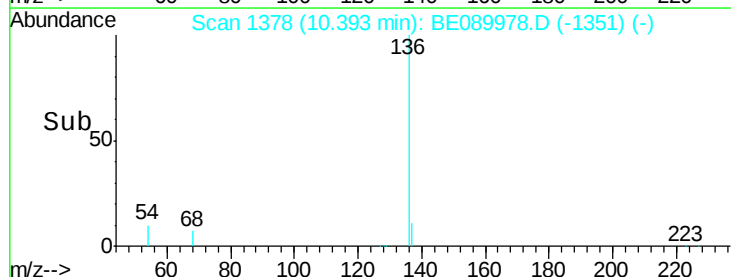
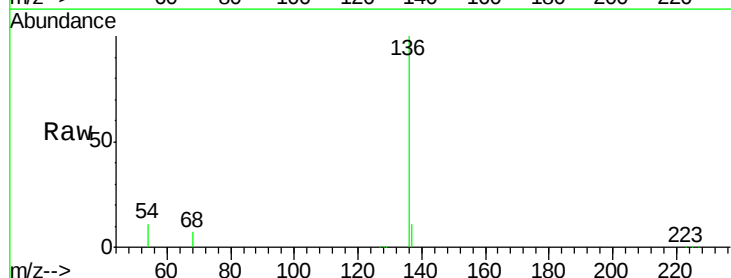
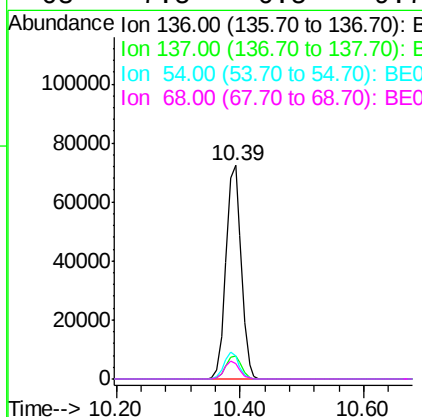
RT: 10.39 min Scan# 1378

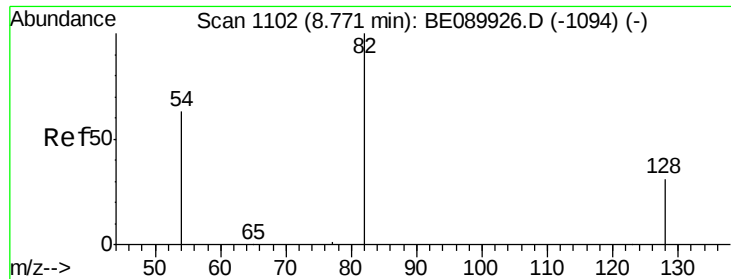
Delta R.T. 0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Tgt Ion:	136	Resp:	122860
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.6	9.7	14.5
68	7.5	6.5	9.7





#7

Nitrobenzene-d5

Concen: 3.44 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089978.D

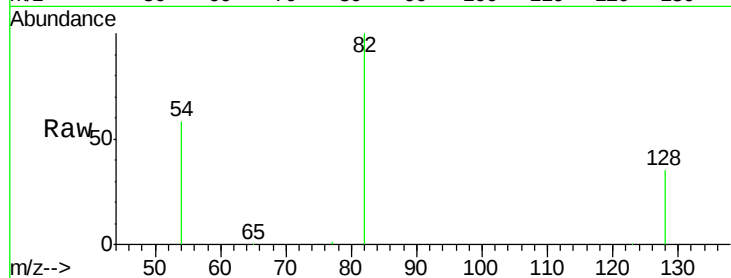
Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

X3SS0190006-150624-D



Tgt Ion: 82 Resp: 31502

Ion Ratio Lower Upper

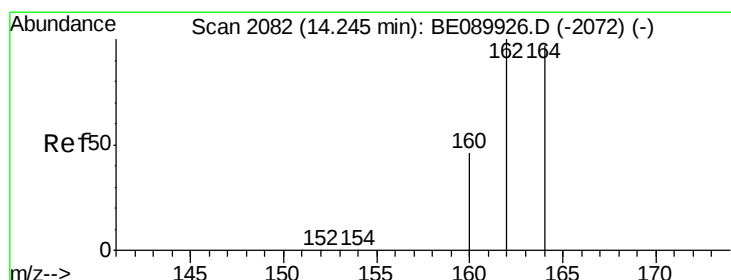
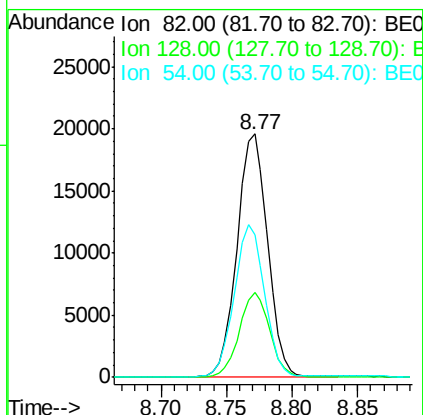
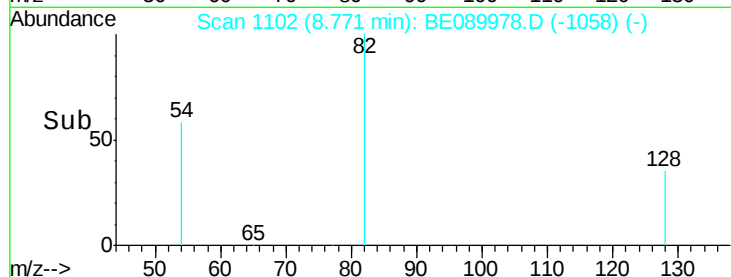
82 100

128 35.0 25.6 38.4

54 58.5 51.2 76.8

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

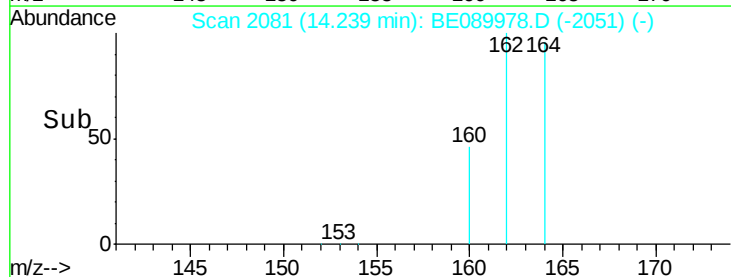
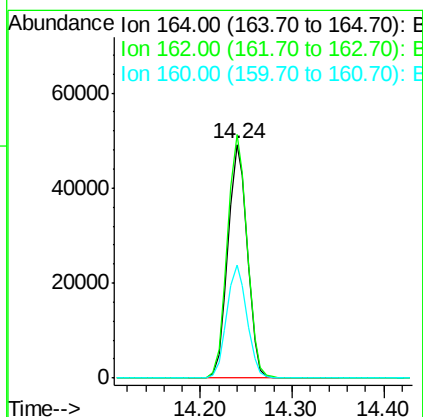
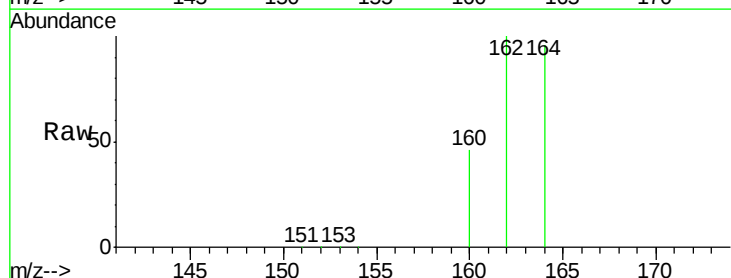
Tgt Ion: 164 Resp: 72364

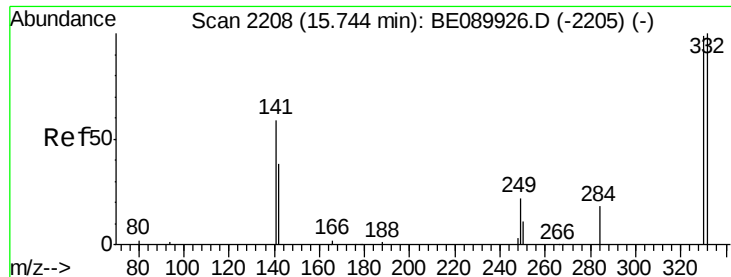
Ion Ratio Lower Upper

164 100

162 104.1 82.7 124.1

160 48.2 38.3 57.5





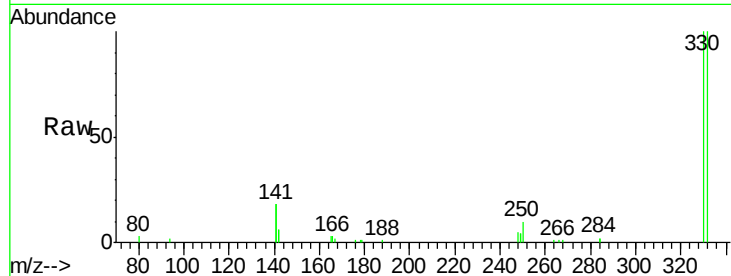
#13
 2,4,6-Tribromophenol
 Concen: 7.52 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

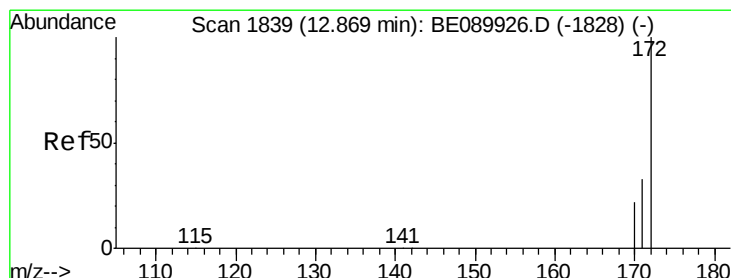
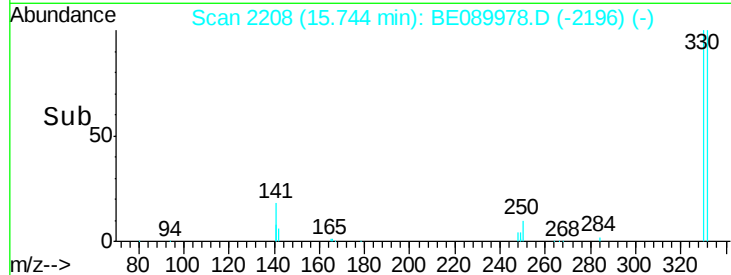
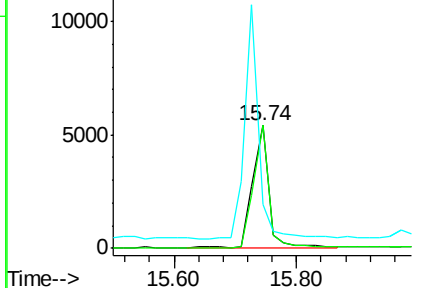
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.9	116.9
141	171.6	142.8	214.2

Manual Integrations
 APPROVED

apatel
 6/29/2015 5:05:15 PM

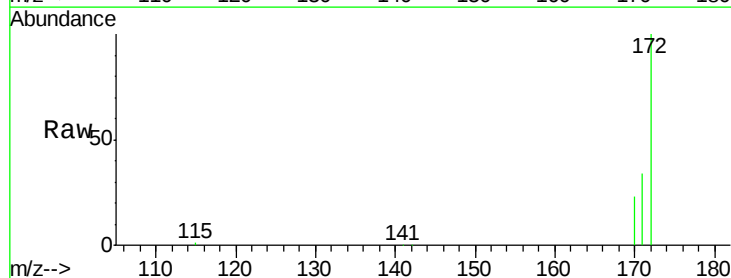


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

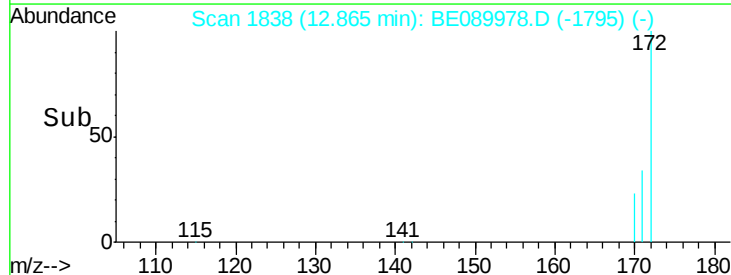
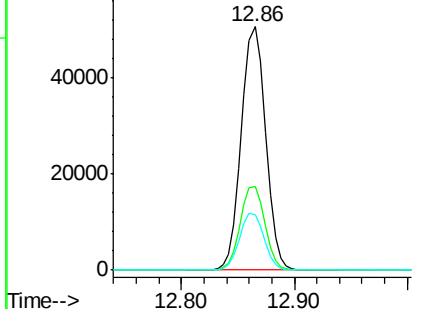


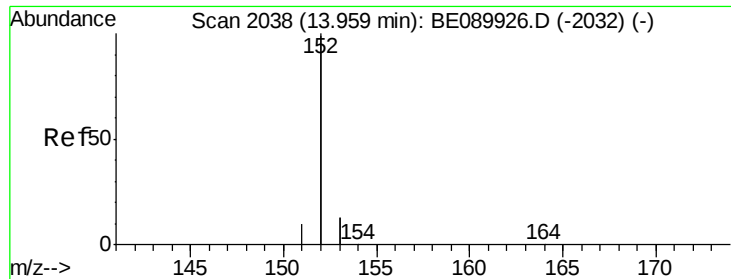
#14
 2-Fluorobiphenyl
 Concen: 3.47 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.7	40.1
170	22.9	17.5	26.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





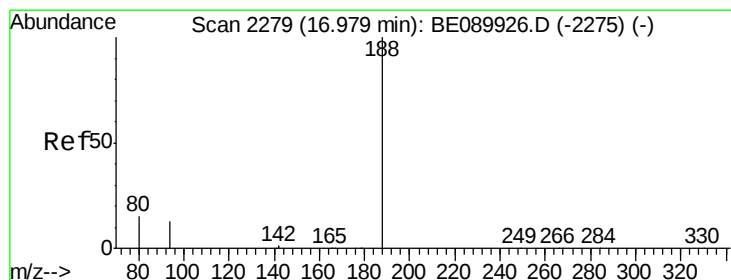
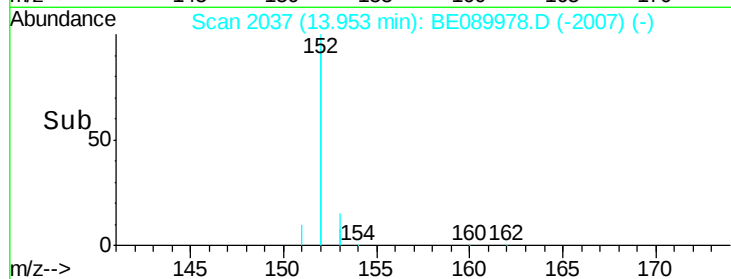
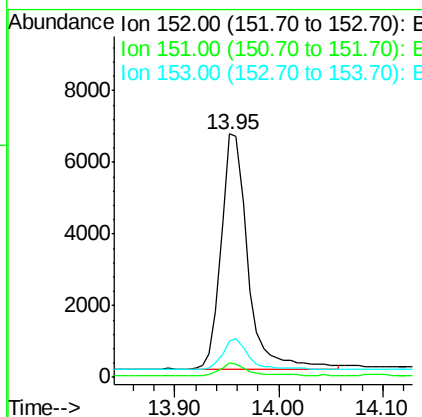
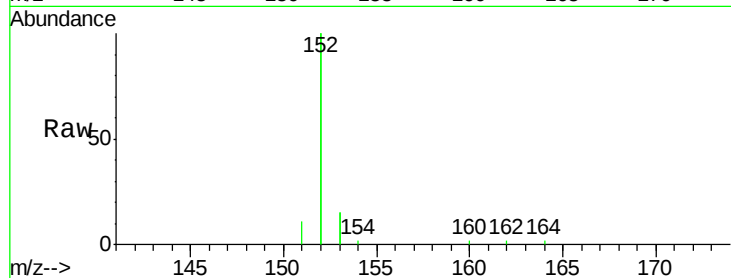
#15
Acenaphthylene
Concen: 0.09 ng
RT: 13.95 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624-D

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.5	3.9	5.9
153	13.1	10.4	15.6

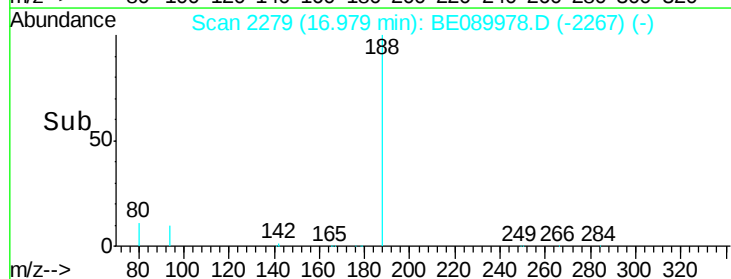
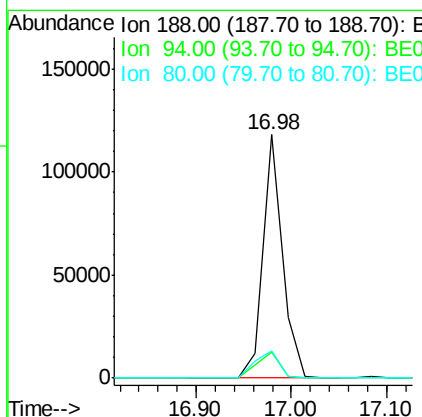
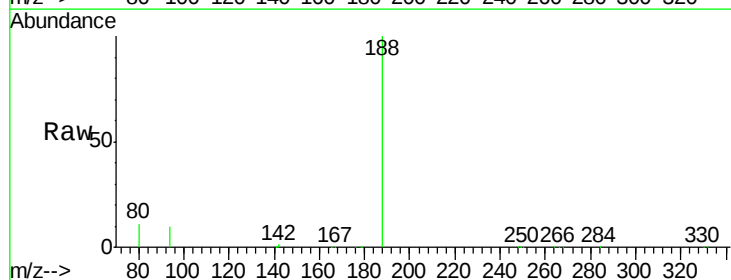
Manual Integrations
APPROVED

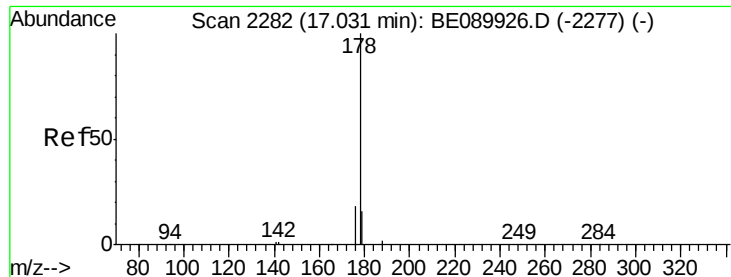
apatel
6/29/2015 5:05:15 PM



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	10.6	16.0#
80	11.4	11.8	17.6#





#22

Phenanthrene

Concen: 0.11 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089978.D

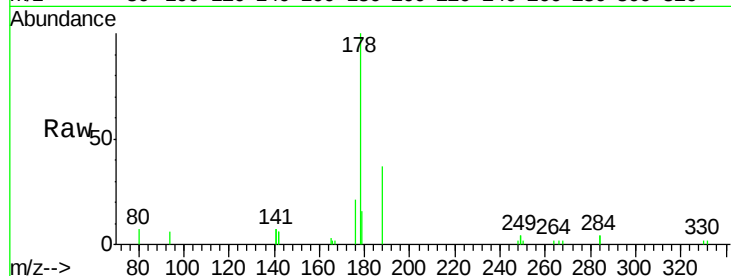
Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

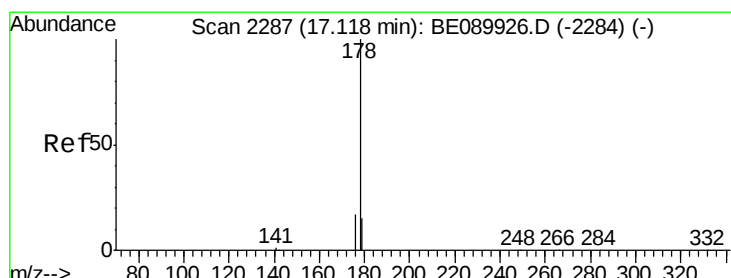
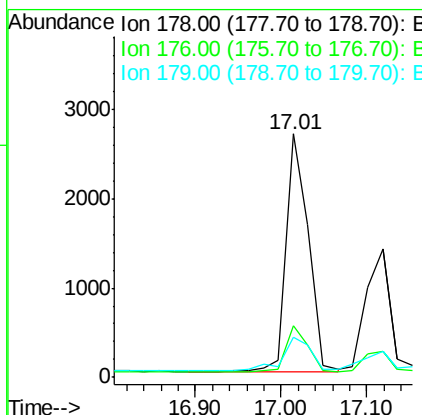
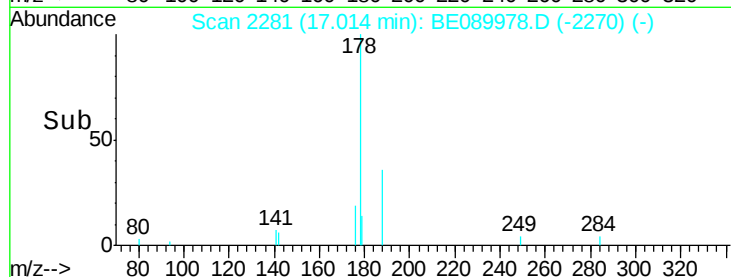
X3SS0190006-150624-D



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	18.6	12.6	19.0

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#23

Anthracene

Concen: 0.07 ng

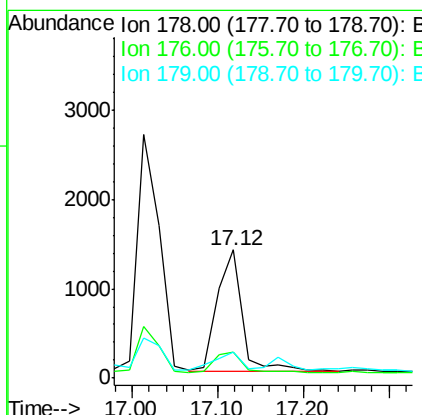
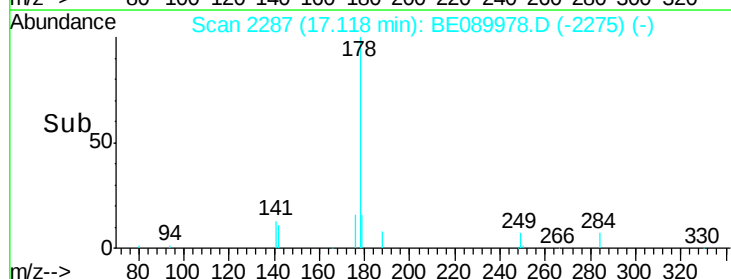
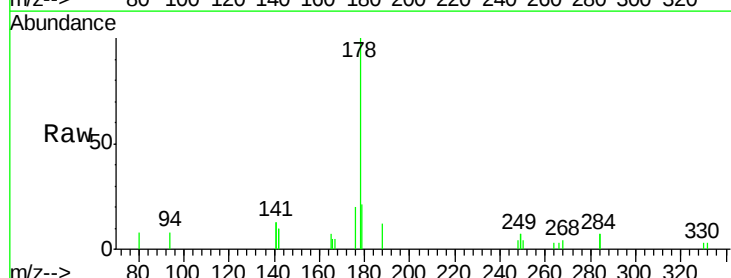
RT: 17.12 min Scan# 2287

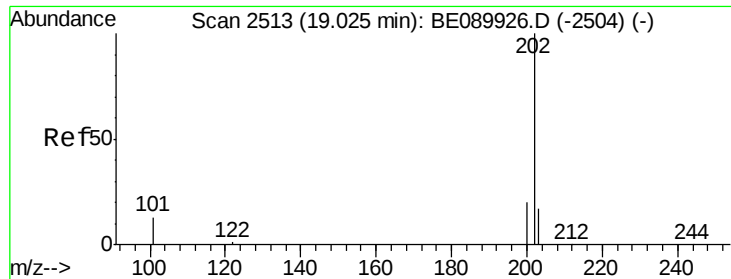
Delta R.T. 0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	16.1	12.3	18.5





#24

Fluoranthene

Concen: 0.31 ng

RT: 19.02 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BE089978.D

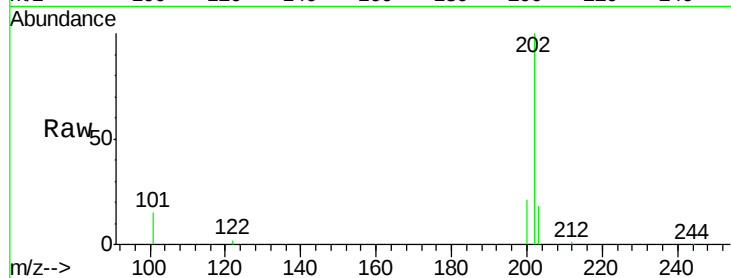
Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

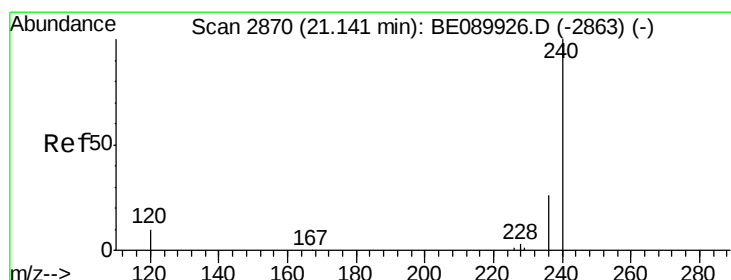
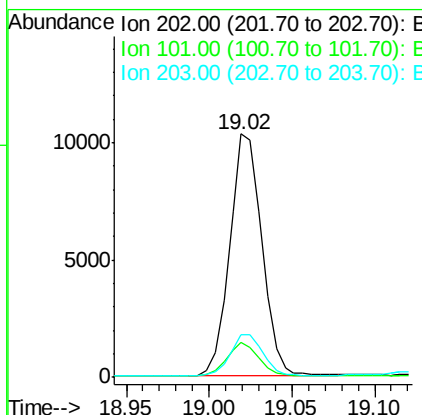
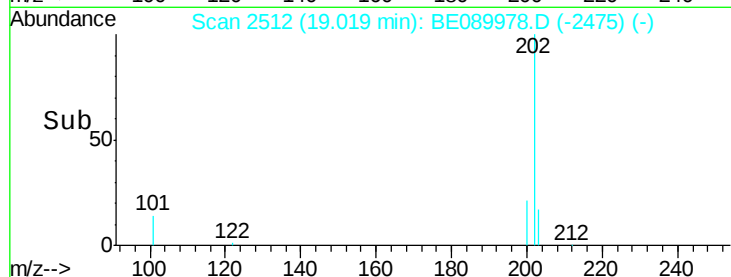
X3SS0190006-150624-D



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	14028		
101	13.9	10.6	16.0	
203	17.2	13.8	20.8	

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#25

Chrysene-d12

Concen: 5.00 ng

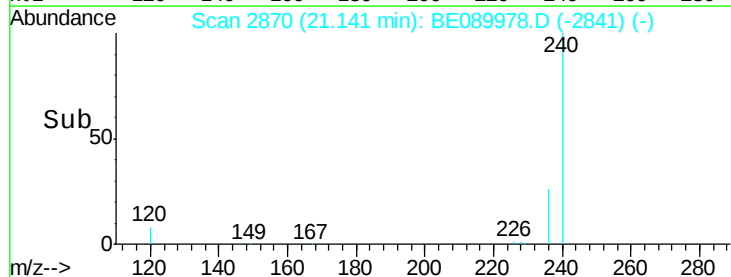
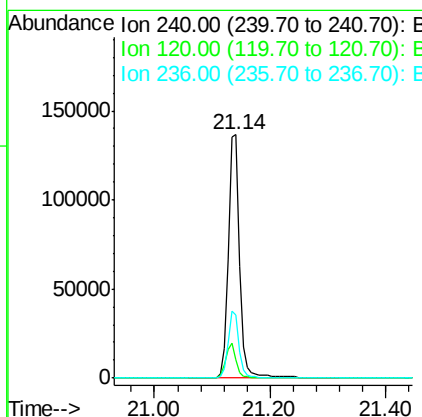
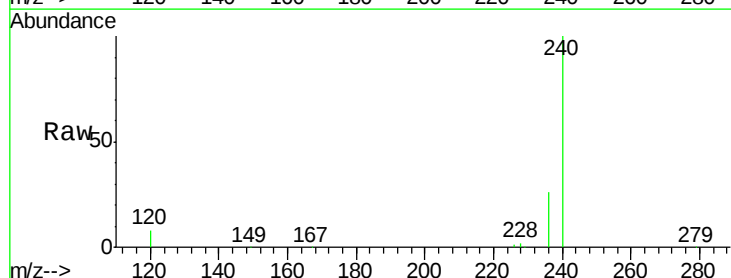
RT: 21.14 min Scan# 2870

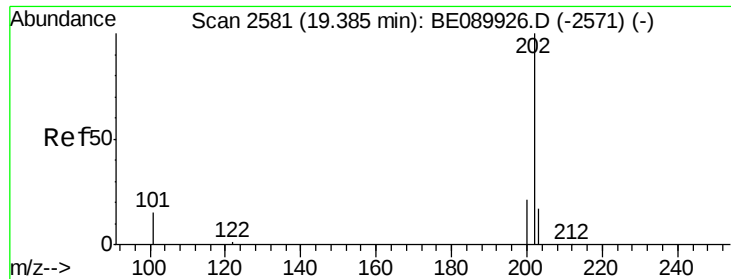
Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	188077		
120	7.7	7.9	11.9#	
236	25.8	21.2	31.8	





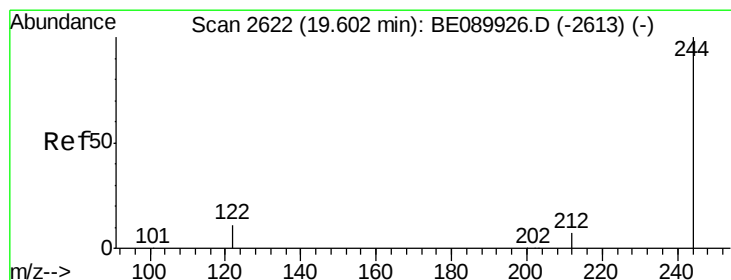
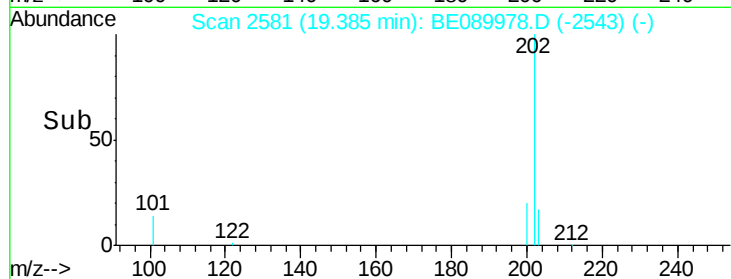
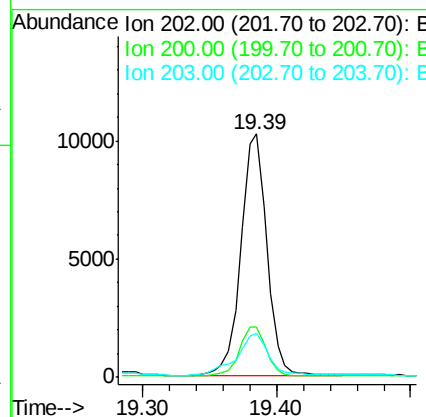
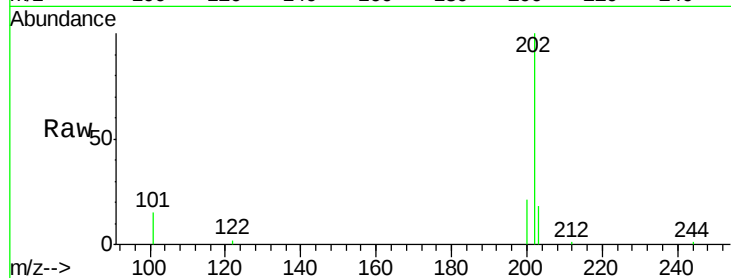
#26
 Pyrene
 Concen: 0.29 ng
 RT: 19.39 min Scan# 2581
 Delta R.T. 0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

Tgt Ion:	202	Resp:	13854
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	25.0
203	20.6	13.9	20.9

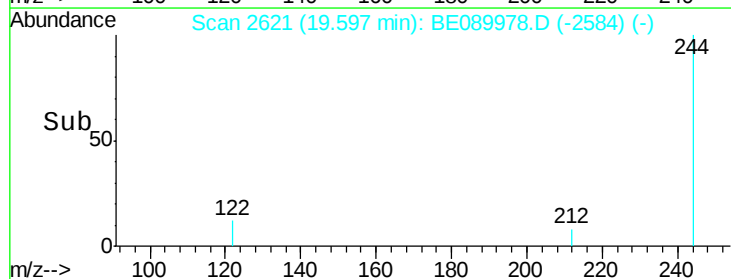
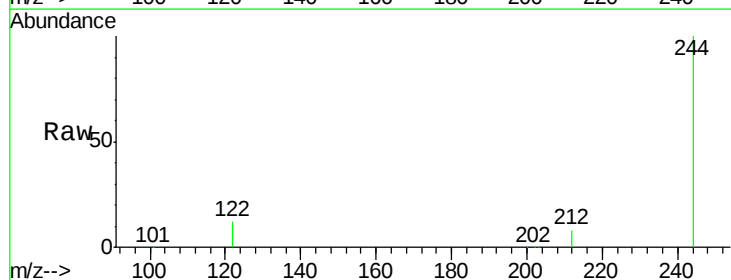
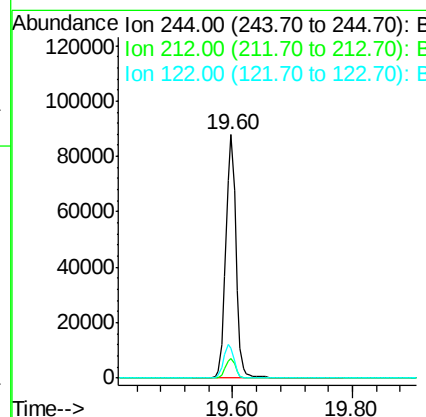
Manual Integrations
 APPROVED

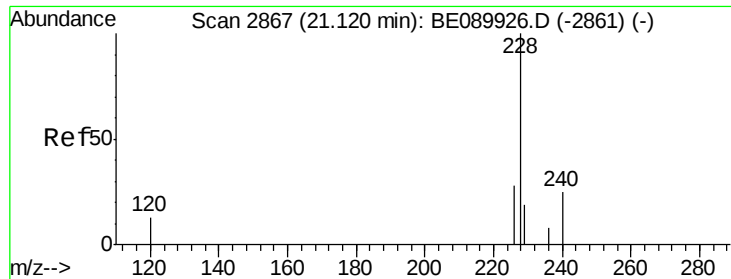
apatel
 6/29/2015 5:05:15 PM



#27
 Terphenyl-d14
 Concen: 3.25 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Tgt Ion:	244	Resp:	105402
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.1	9.1
122	12.5	8.7	13.1





#28

Benzo(a)anthracene

Concen: 0.22 ng

RT: 21.12 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

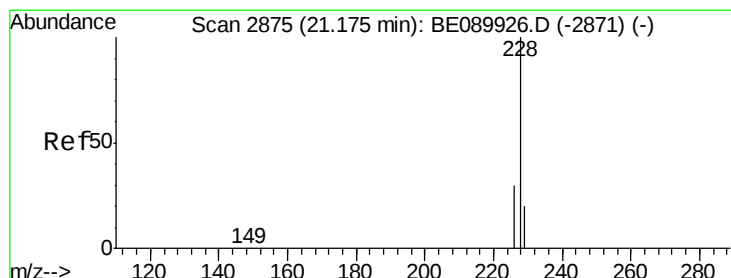
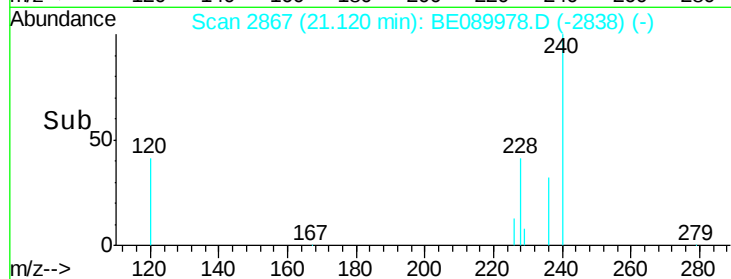
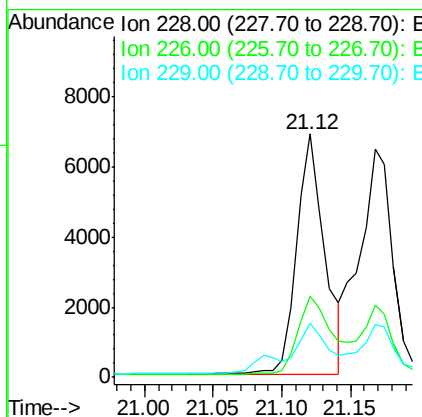
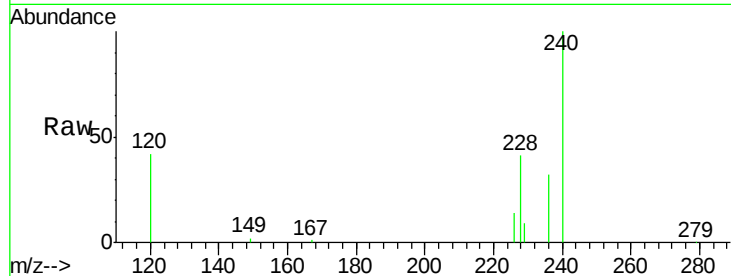
ClientSampleId :

X3SS0190006-150624-D

Tgt Ion:	228	Resp:	9780
Ion Ratio	Lower	Upper	
228	100		
226	33.3	22.2	33.4
229	22.5	15.3	22.9

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#29

Chrysene

Concen: 0.23 ng

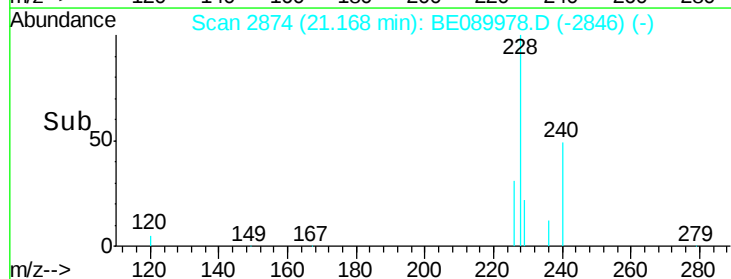
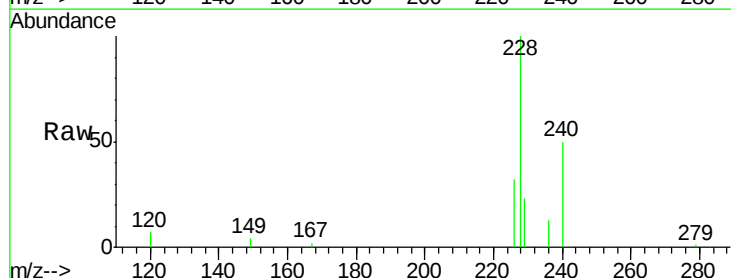
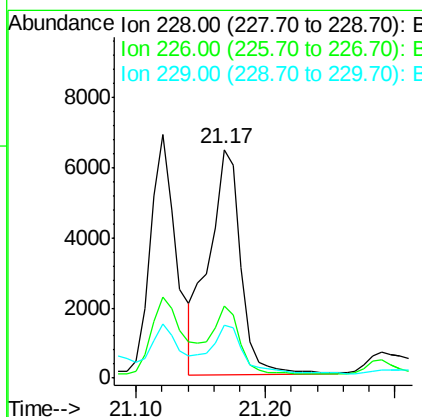
RT: 21.17 min Scan# 2874

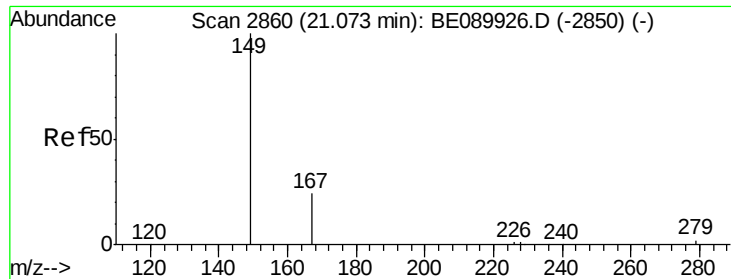
Delta R.T. -0.01 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

Tgt Ion:	228	Resp:	11090
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.7	35.5
229	23.1	15.8	23.8





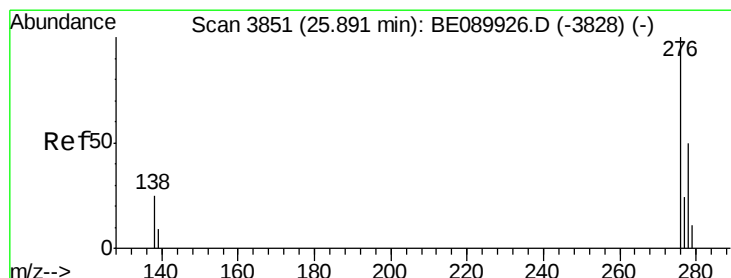
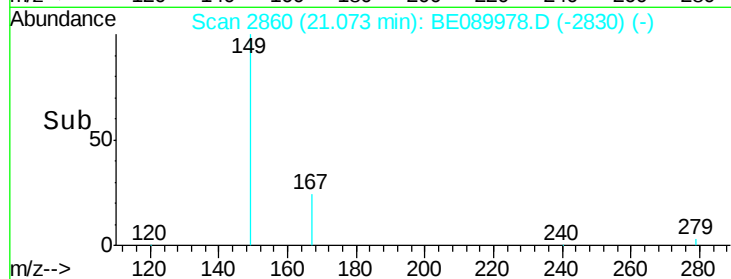
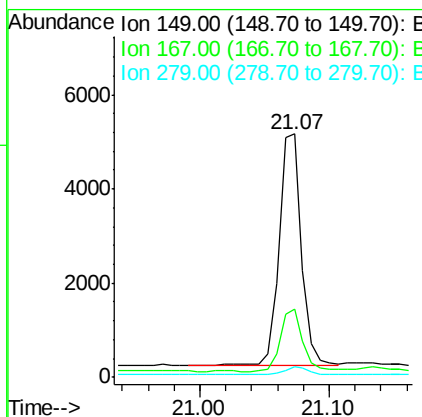
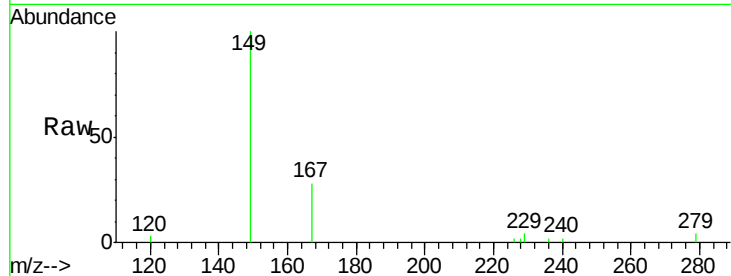
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.55 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0190006-150624-D

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.3	30.5
279	3.3	2.7	4.1

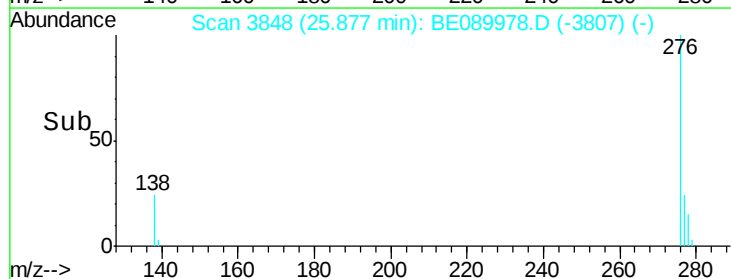
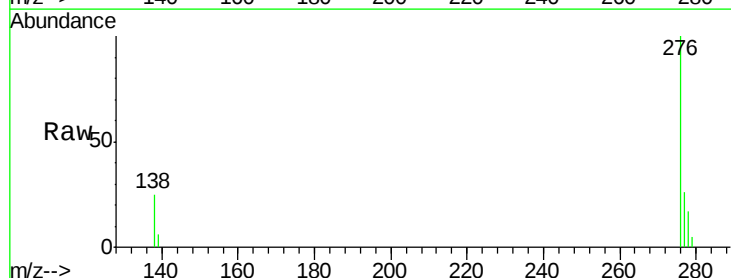
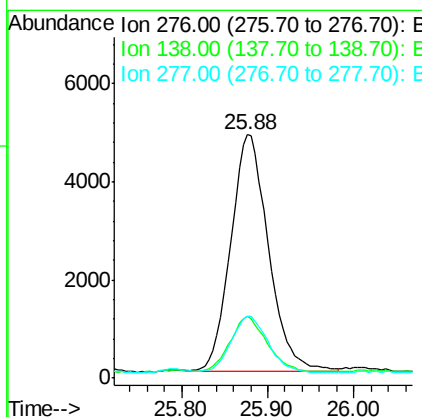
Manual Integrations
 APPROVED

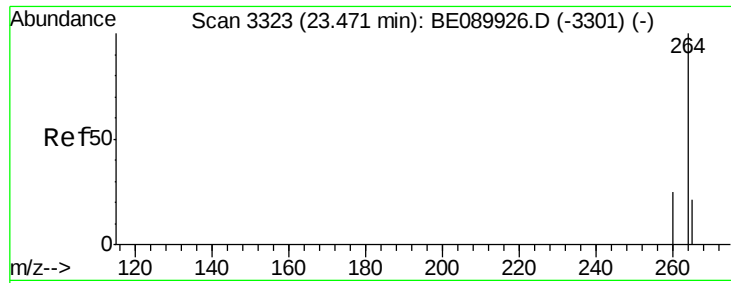
apatel
 6/29/2015 5:05:15 PM



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng
 RT: 25.88 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BE089978.D
 Acq: 27 Jun 2015 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	0.0	0.0#
277	23.7	0.0	0.0#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3322

Delta R.T. -0.00 min

Lab File: BE089978.D

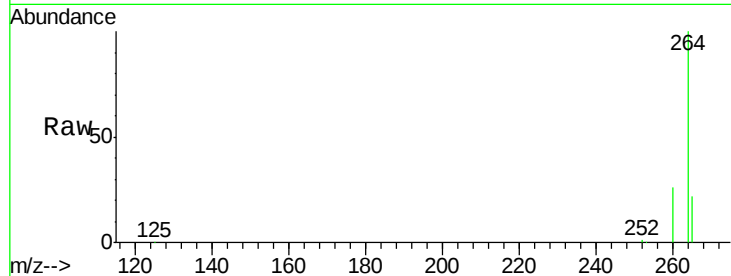
Acq: 27 Jun 2015 15:55

Instrument :

BNA_E

ClientSampleId :

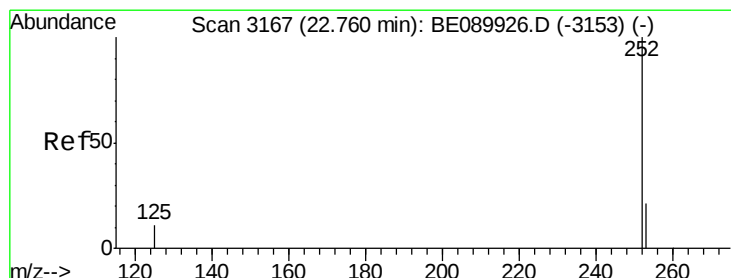
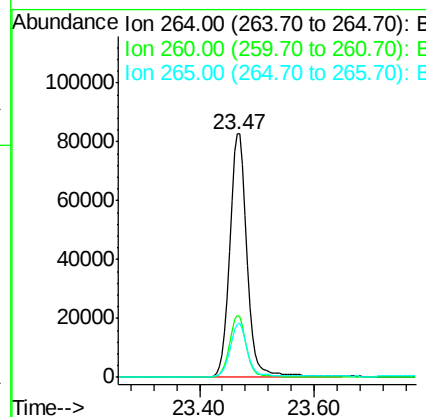
X3SS0190006-150624-D



Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.8	29.6
265	21.6	17.3	25.9

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#33

Benzo(b)fluoranthene

Concen: 0.54 ng

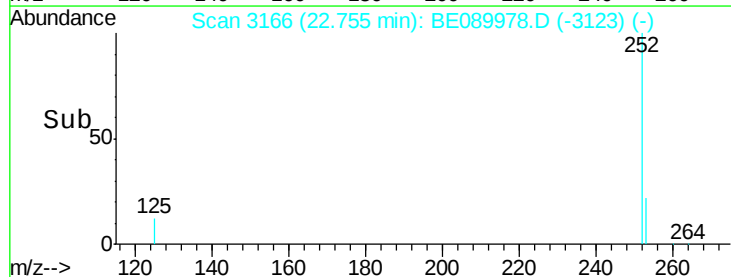
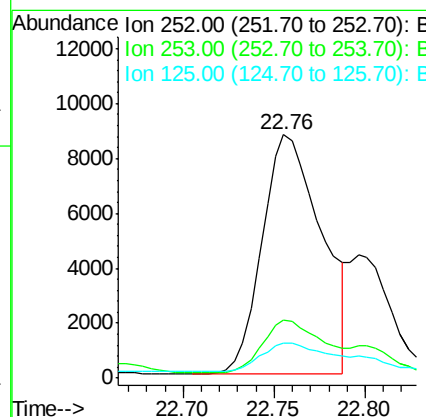
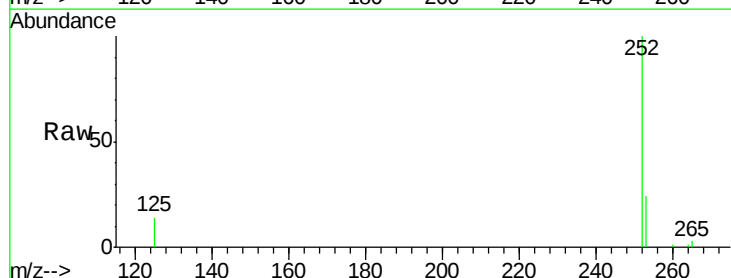
RT: 22.76 min Scan# 3166

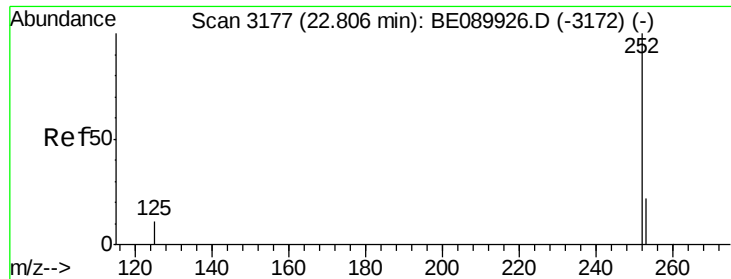
Delta R.T. -0.00 min

Lab File: BE089978.D

Acq: 27 Jun 2015 15:55

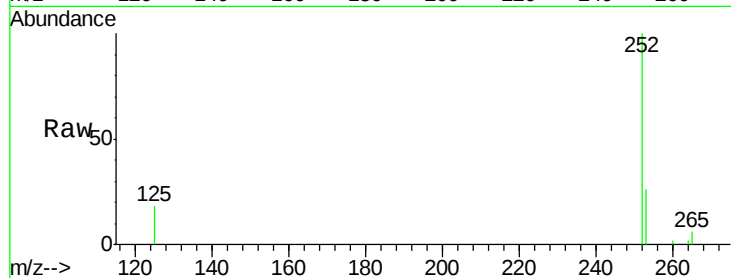
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	14.4	9.3	13.9





#34
Benzo(k)fluoranthene
Concen: 0.17 ng m
RT: 22.80 min Scan# 3175
Delta R.T. -0.01 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

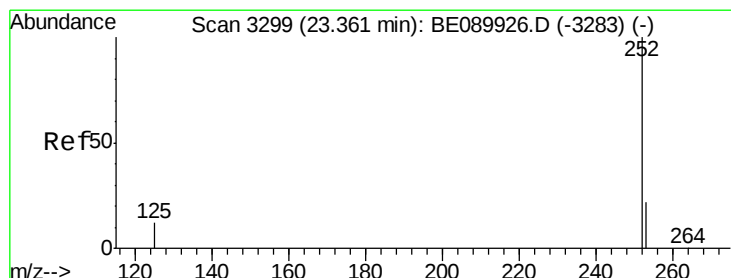
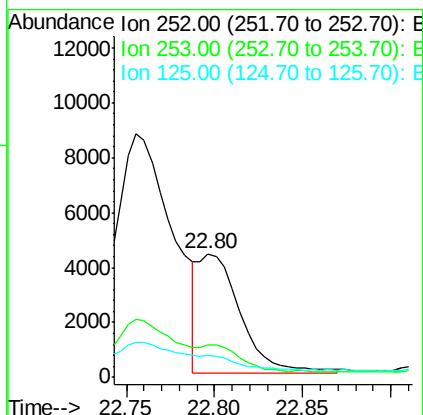
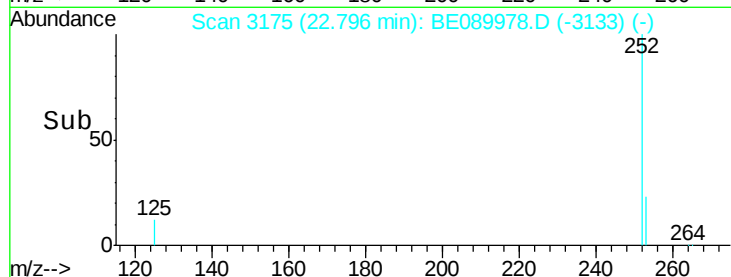
Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624-D



Tgt Ion: 252 Resp: 7273
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 17.8 9.2 13.8#

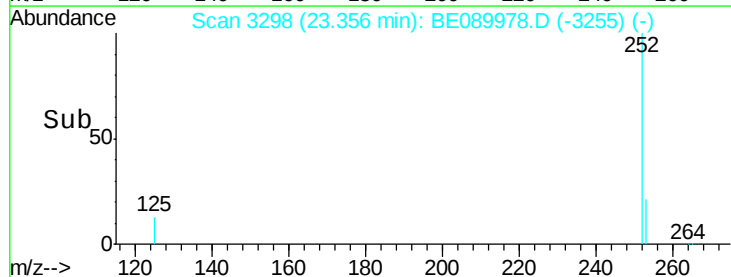
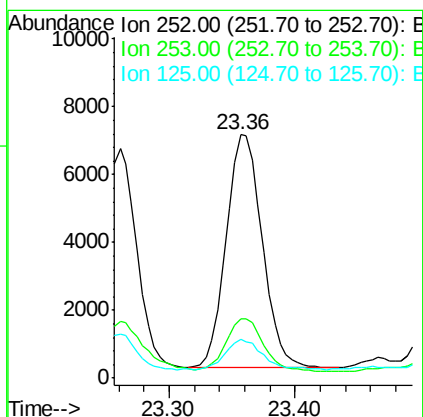
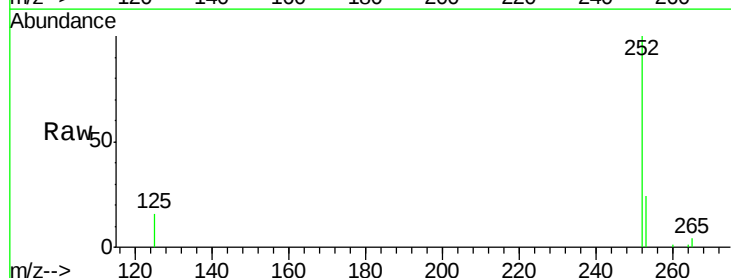
Manual Integrations
APPROVED

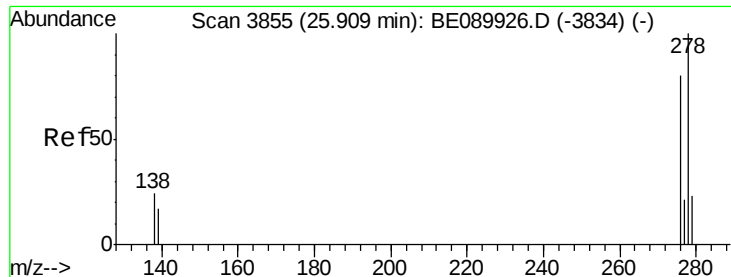
apatel
6/29/2015 5:05:15 PM



#35
Benzo(a)pyrene
Concen: 0.41 ng
RT: 23.36 min Scan# 3298
Delta R.T. -0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Tgt Ion: 252 Resp: 13682
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 15.9 10.3 15.5#





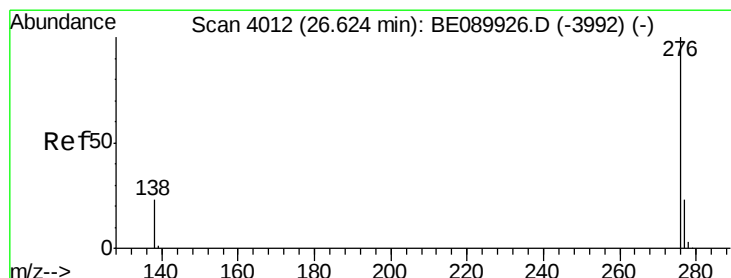
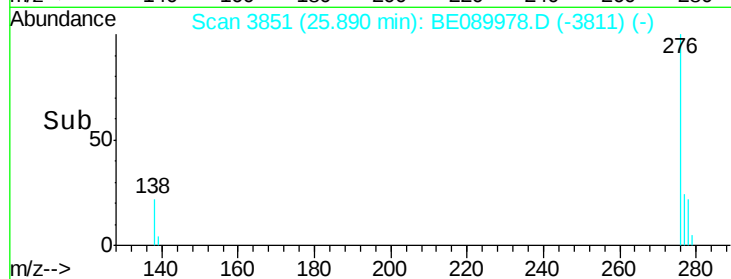
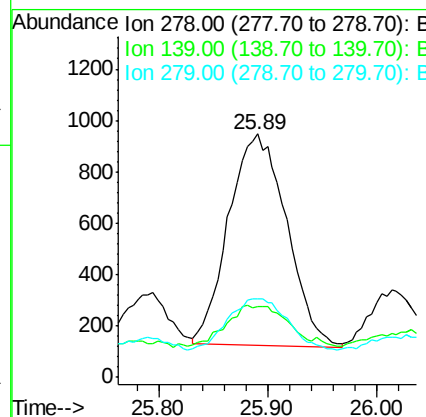
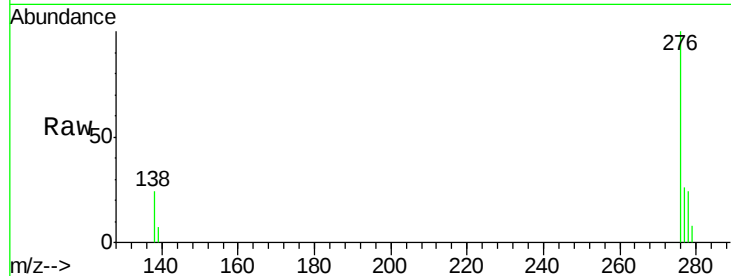
#36
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 25.89 min Scan# 3851
Delta R.T. -0.02 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Instrument :
BNA_E
ClientSampleId :
X3SS0190006-150624-D

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.0	14.1	21.1#
279	32.4	19.0	28.6#

Manual Integrations
APPROVED

apatel
6/29/2015 5:05:15 PM



#37
Benzo(g,h,i)perylene
Concen: 0.55 ng
RT: 26.62 min Scan# 4012
Delta R.T. -0.00 min
Lab File: BE089978.D
Acq: 27 Jun 2015 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	24.6	18.8	28.2

