

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070815\
 Data File : BE090068.D
 Acq On : 8 Jul 2015 20:56
 Operator : TP/IZ
 Sample : G2810-24
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0730006-150625

Manual Integrations
 APPROVED

apatel
 7/9/2015 2:20:59 PM

Quant Time: Jul 09 01:49:24 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	22081	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	97882	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	53970	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	121301	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	136676	5.00	ng	-0.01
32) Perylene-d12	23.44	264	123313	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	30098	5.93	ng	0.00
5) Phenol-d6	6.80	99	49322	6.95	ng	0.00
7) Nitrobenzene-d5	8.75	82	28897	3.72	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	11937	7.55	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	64111	3.95	ng	-0.01
27) Terphenyl-d14	19.58	244	94723	4.16	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.41	128	2638	0.12	ng	# 93
11) 2-Methylnaphthalene	12.03	142	818	0.06	ng	# 94
16) Acenaphthene	14.28	154	4214	0.30	ng	97
17) Fluorene	15.27	166	5722	0.30	ng	# 96
22) Phenanthrene	17.00	178	291605	9.38	ng	99
23) Anthracene	17.10	178	60196m	2.12	ng	
24) Fluoranthene	19.01	202	622782	17.94	ng	99
26) Pyrene	19.37	202	530482	16.28	ng	97
28) Benzo(a)anthracene	21.10	228	292972	8.58	ng	98
29) Chrysene	21.16	228	314790	8.88	ng	97
31) Indeno(1,2,3-cd)pyrene	25.83	276	123045	3.62	ng	97
33) Benzo(b)fluoranthene	22.74	252	335004	12.31	ng	98
34) Benzo(k)fluoranthene	22.77	252	132123m	4.35	ng	
35) Benzo(a)pyrene	23.33	252	219064	8.72	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	32079	1.24	ng	96
37) Benzo(g,h,i)perylene	26.57	276	117331	4.49	ng	97

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

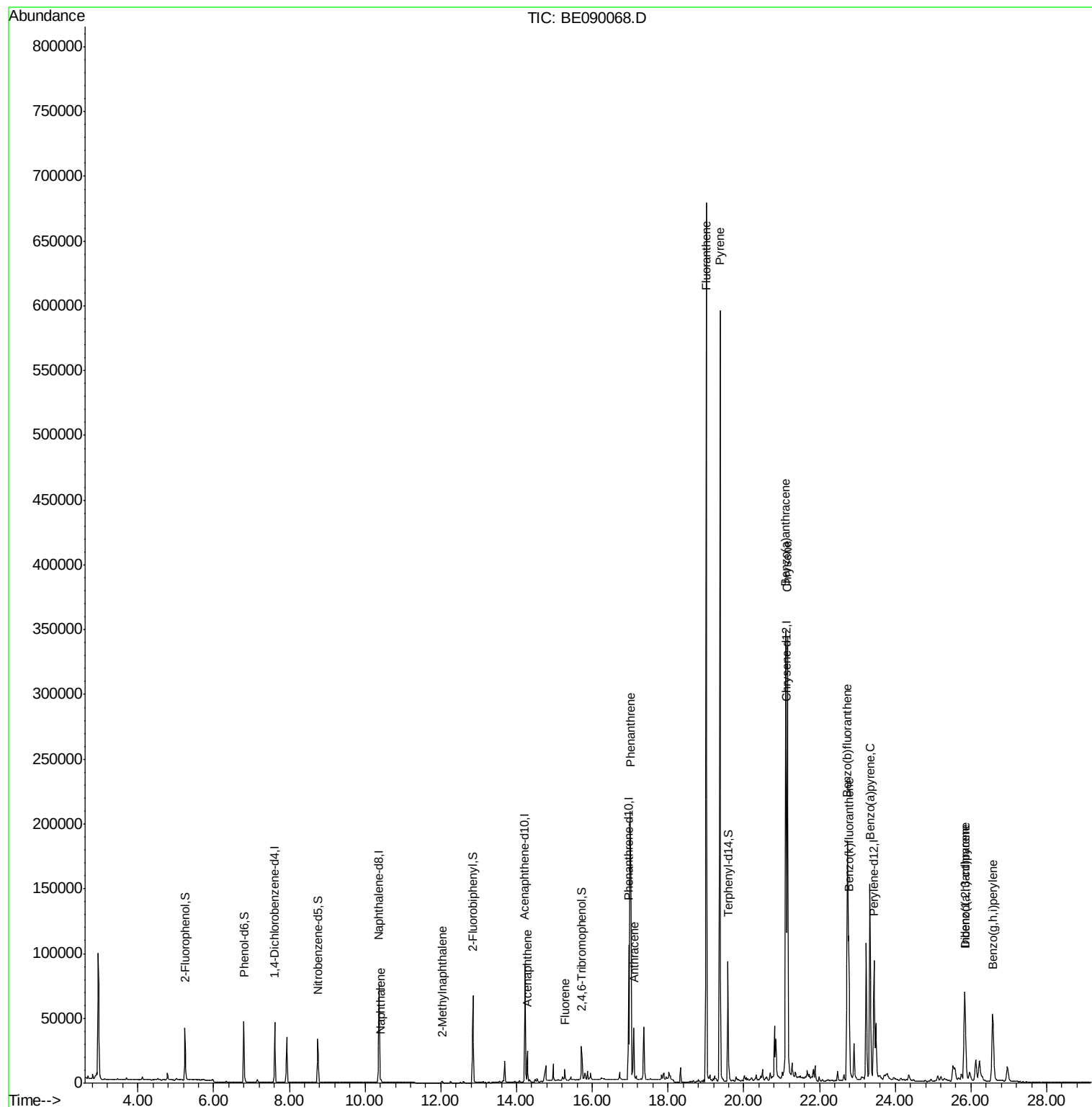
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070815\
Data File : BE090068.D
Acq On : 8 Jul 2015 20:56
Operator : TP/IZ
Sample : G2810-24
Misc :
ALS Vial : 8 Sample Multiplier: 1

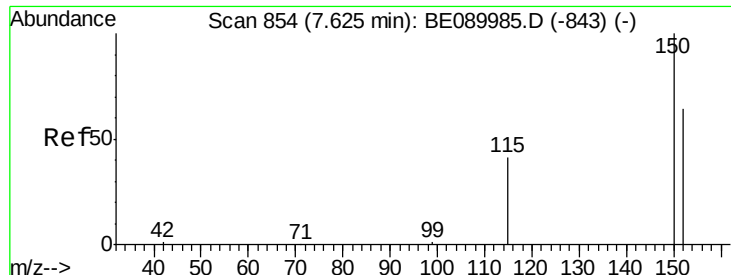
Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM

Quant Time: Jul 09 01:49:24 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090068.D

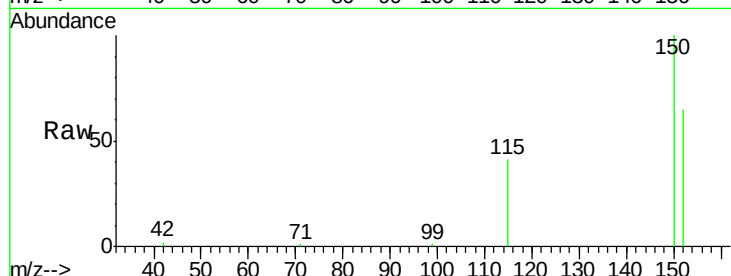
Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

ClientSampleId :

X1SS0730006-150625



Tgt Ion:152 Resp: 22081

Ion Ratio Lower Upper

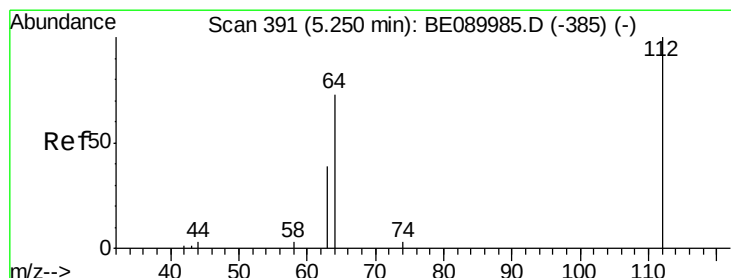
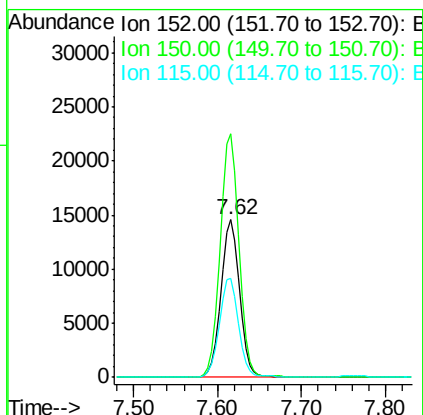
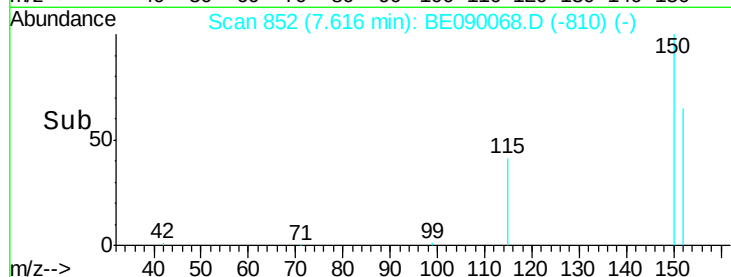
152 100

150 154.8 123.9 185.9

115 63.0 50.6 76.0

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#4

2-Fluorophenol

Concen: 5.93 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

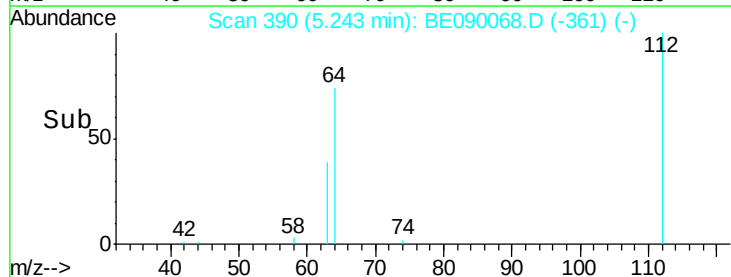
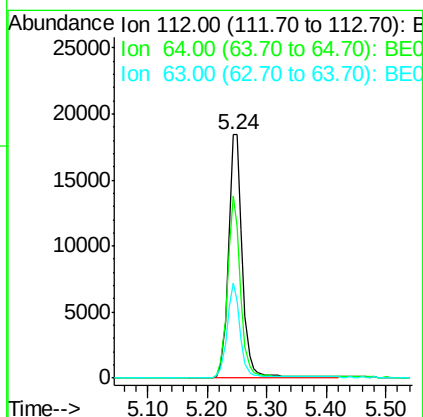
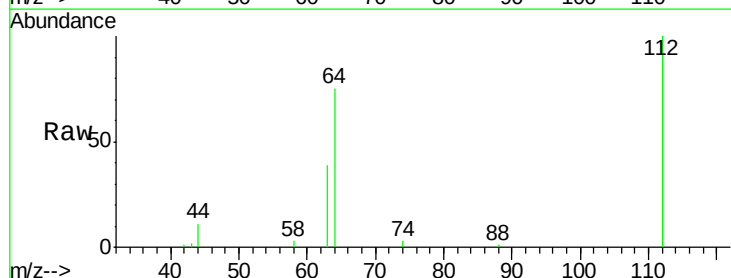
Tgt Ion:112 Resp: 30098

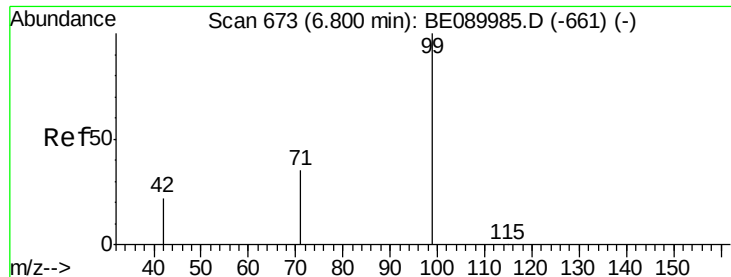
Ion Ratio Lower Upper

112 100

64 70.2 56.3 84.5

63 36.5 29.8 44.6





#5

Phenol-d6

Concen: 6.95 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

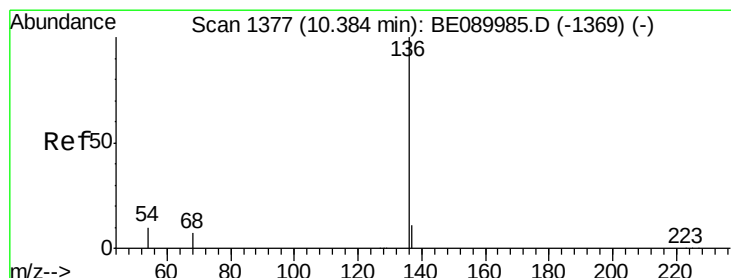
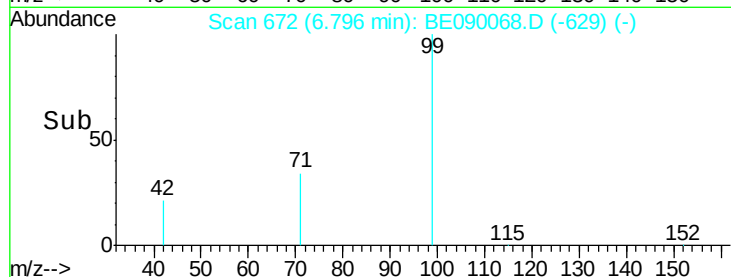
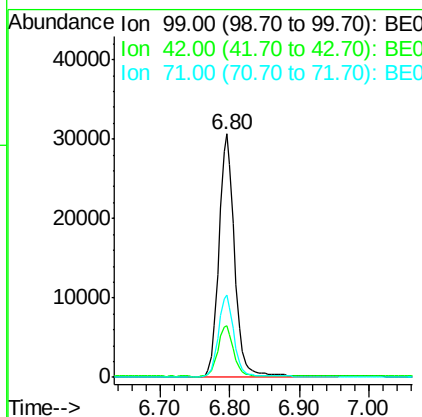
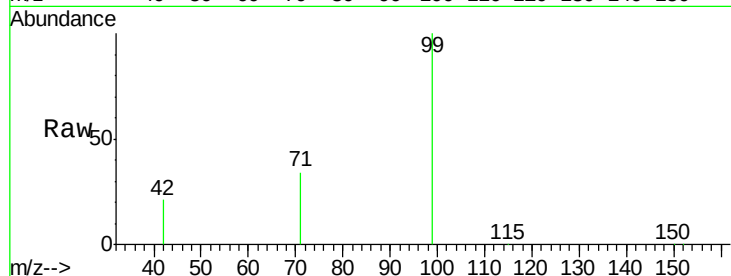
ClientSampleId :

X1SS0730006-150625

Tgt Ion:	99	Resp:	49322
Ion Ratio	Lower	Upper	
99	100		
42	20.9	18.7	28.1
71	33.7	27.5	41.3

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#6

Naphthalene-d8

Concen: 5.00 ng

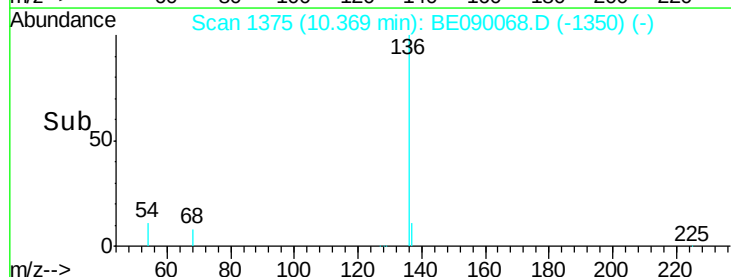
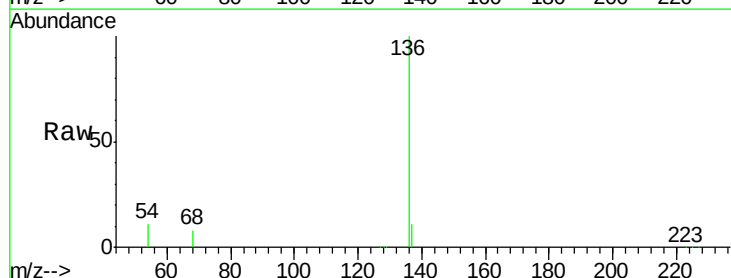
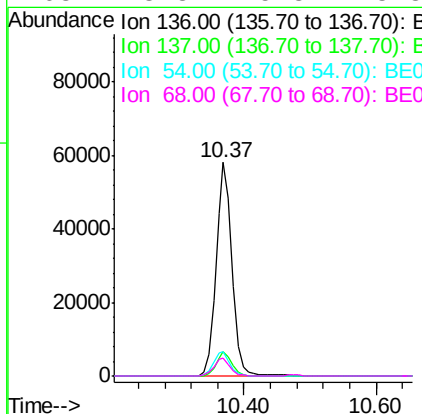
RT: 10.37 min Scan# 1375

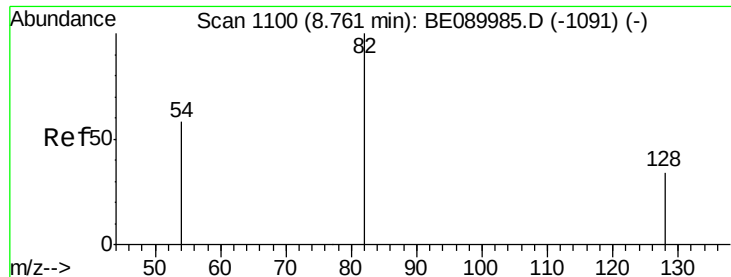
Delta R.T. -0.02 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Tgt Ion:	136	Resp:	97882
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	11.5	8.2	12.4
68	8.3	5.8	8.8





#7

Nitrobenzene-d5

Concen: 3.72 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090068.D

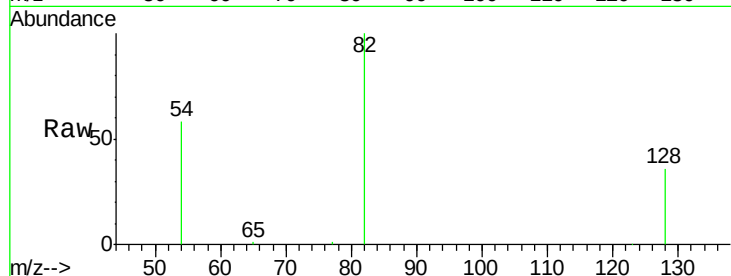
Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

ClientSampleId :

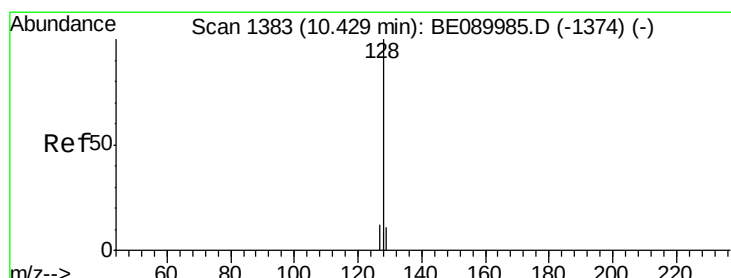
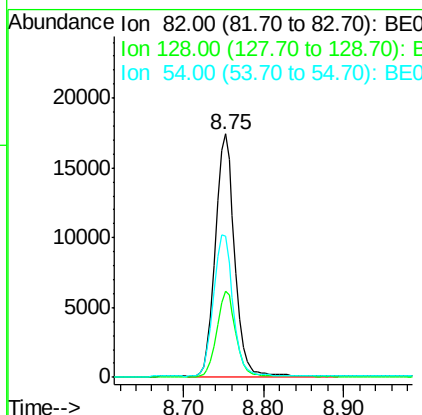
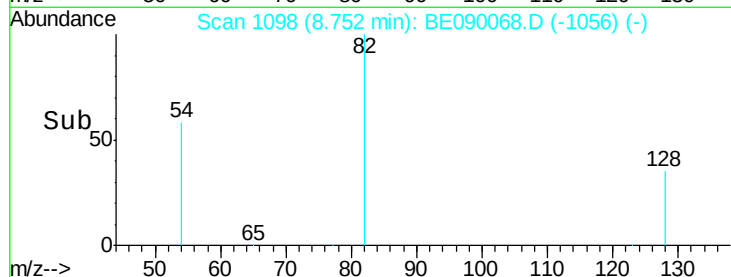
X1SS0730006-150625



Tgt Ion	82	Resp	28897
Ion Ratio	Lower	Upper	
82	100		
128	35.6	28.0	42.0
54	58.0	47.6	71.4

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#9

Naphthalene

Concen: 0.12 ng

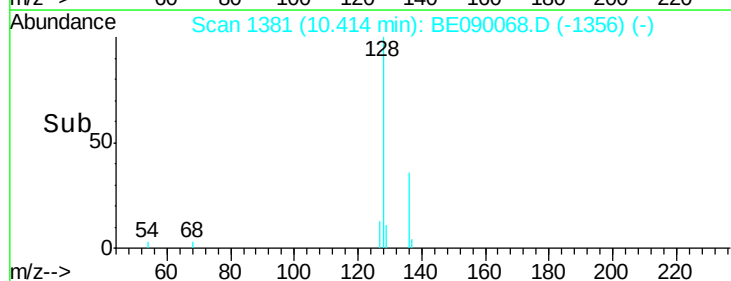
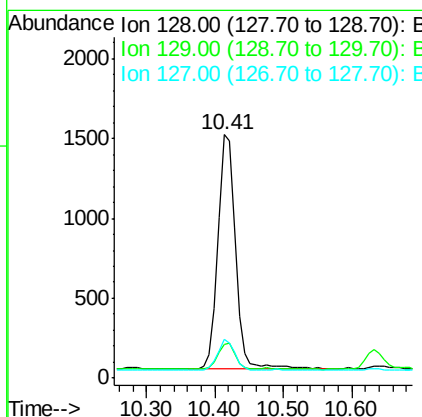
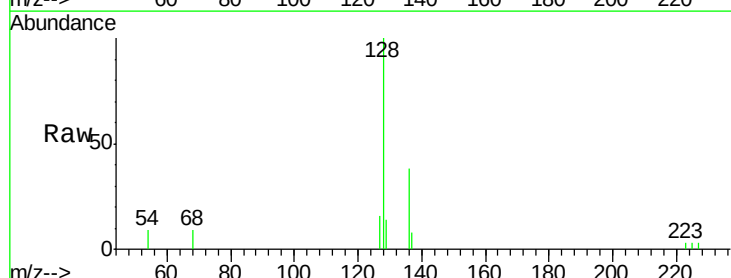
RT: 10.41 min Scan# 1381

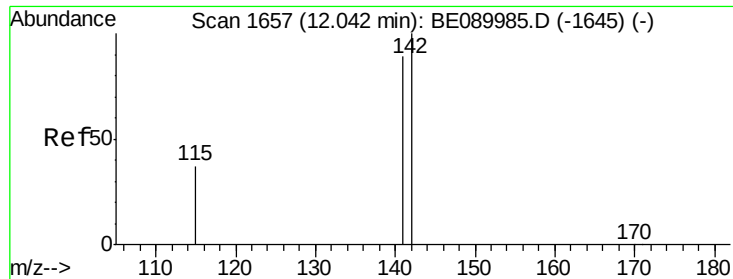
Delta R.T. -0.01 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Tgt Ion	128	Resp	2638
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.3	13.9
127	16.0	10.2	15.4#





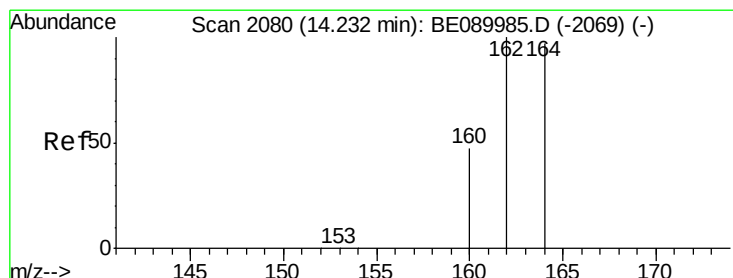
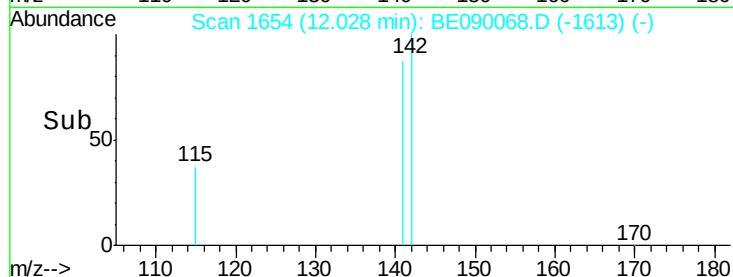
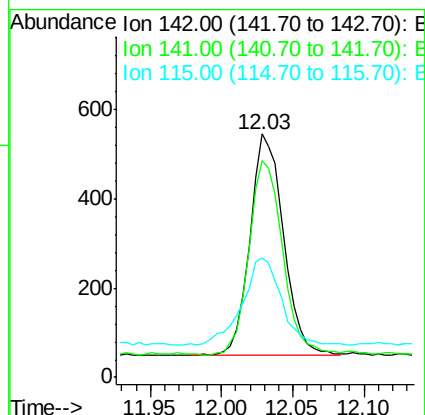
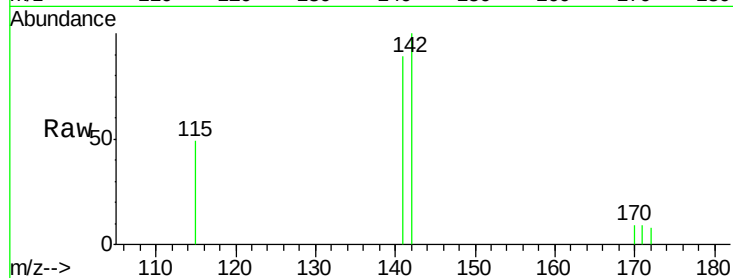
#11
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.03 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	49.3	30.4	45.6

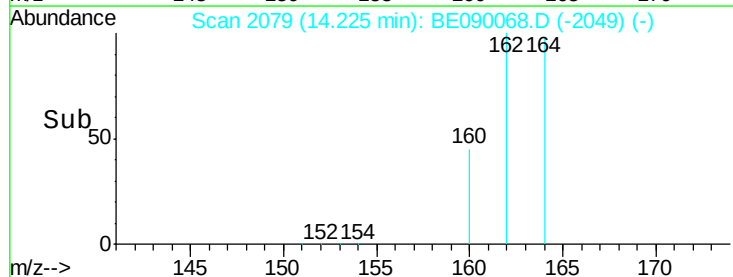
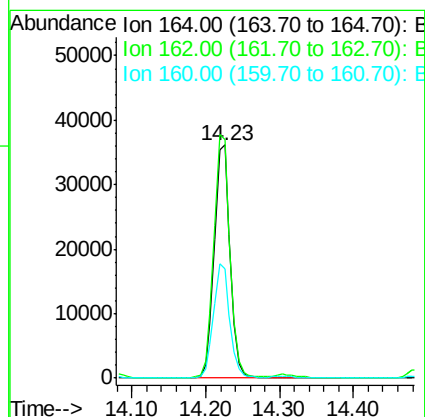
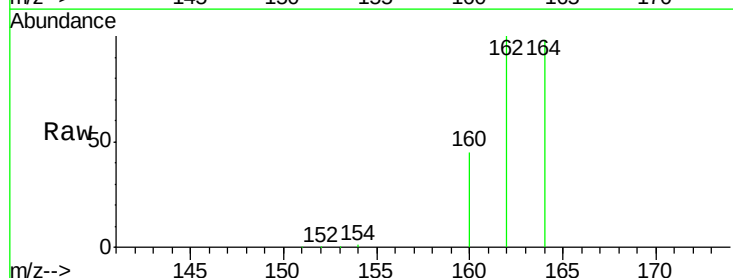
Manual Integrations
APPROVED

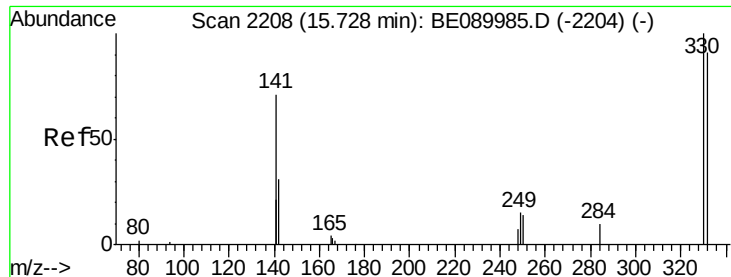
apatel
7/9/2015 2:20:59 PM



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

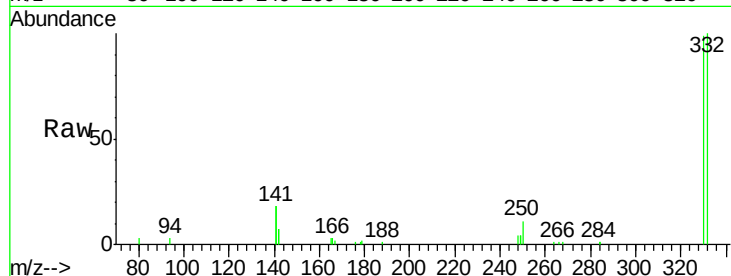
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.4
160	46.6	39.0	58.6





#13
 2,4,6-Tribromophenol
 Concen: 7.55 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090068.D
 Acq: 8 Jul 2015 20:56

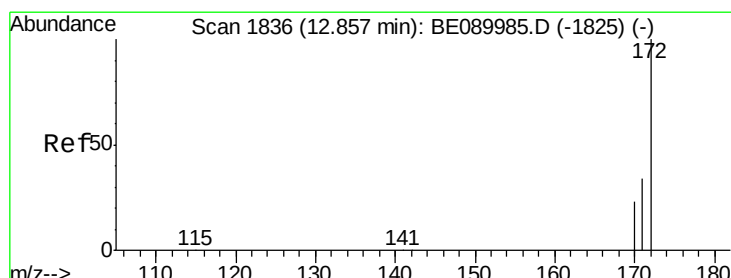
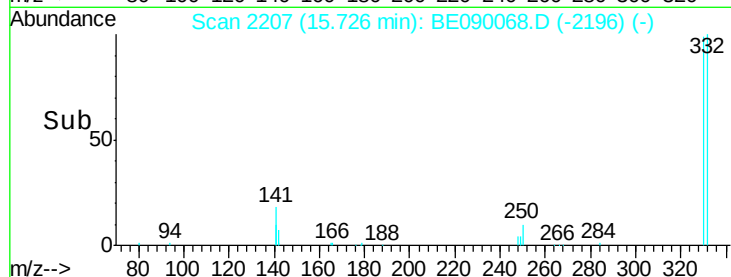
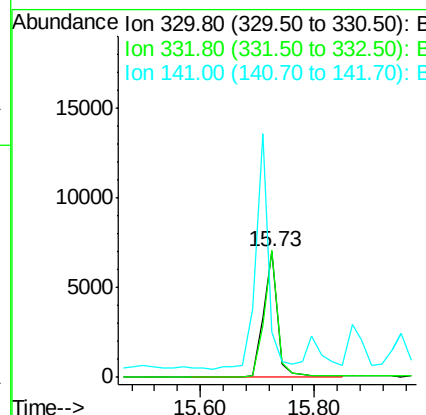
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0730006-150625



Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.4	114.6
141	172.6	130.3	195.5

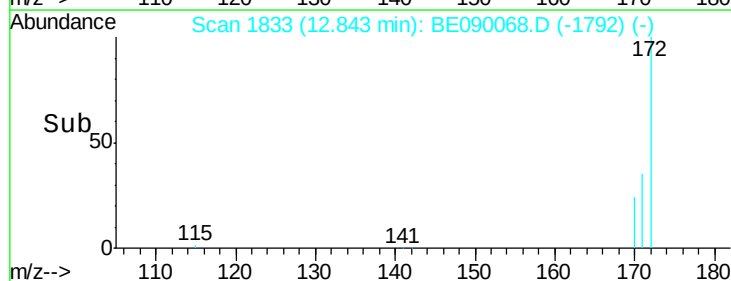
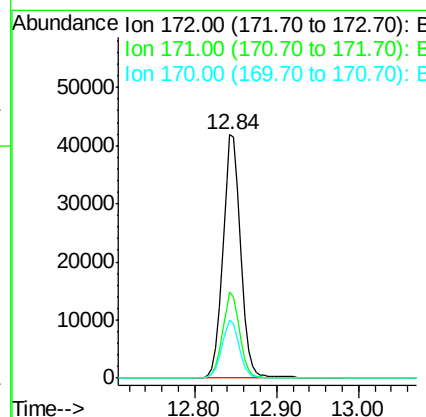
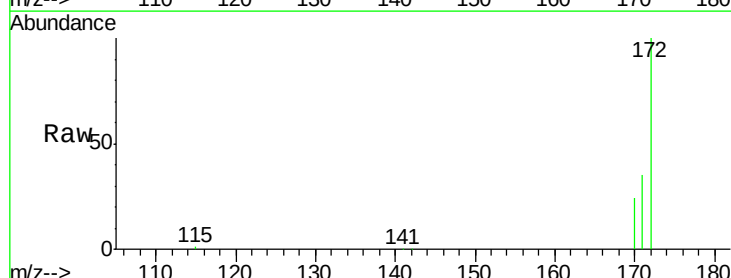
Manual Integrations
 APPROVED

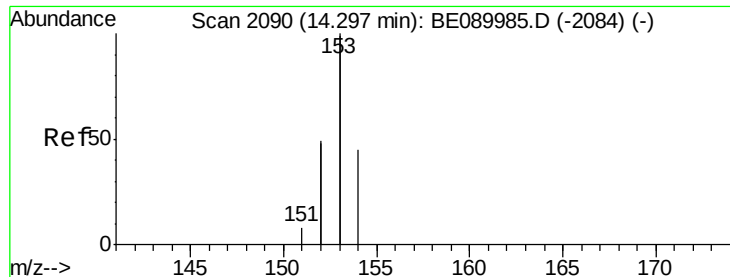
apatel
 7/9/2015 2:20:59 PM



#14
 2-Fluorobiphenyl
 Concen: 3.95 ng
 RT: 12.84 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BE090068.D
 Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	24.1	18.3	27.5





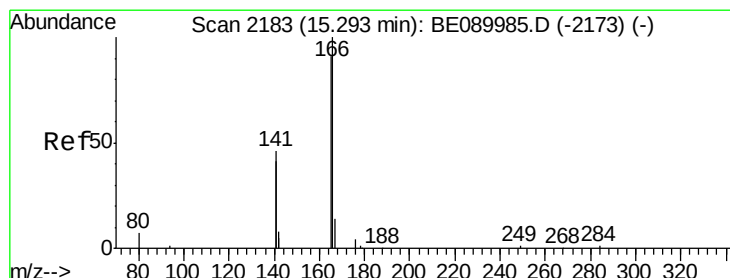
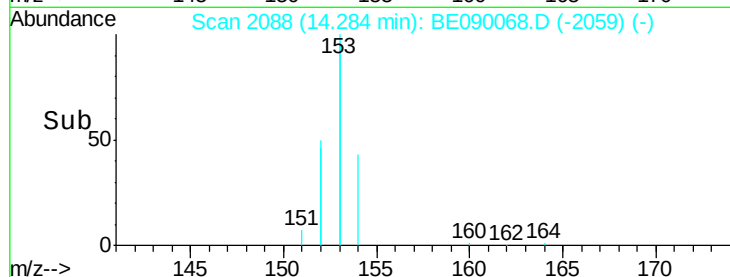
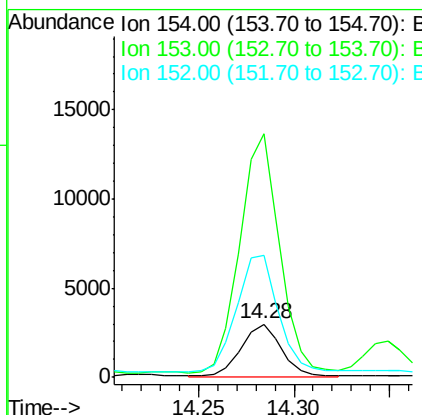
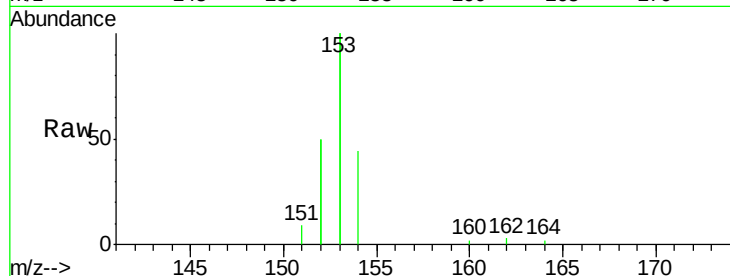
#16
Acenaphthene
Concen: 0.30 ng
RT: 14.28 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625

Tgt Ion	Ratio	Lower	Upper
154	100		
153	458.2	358.6	538.0
152	241.0	189.6	284.4

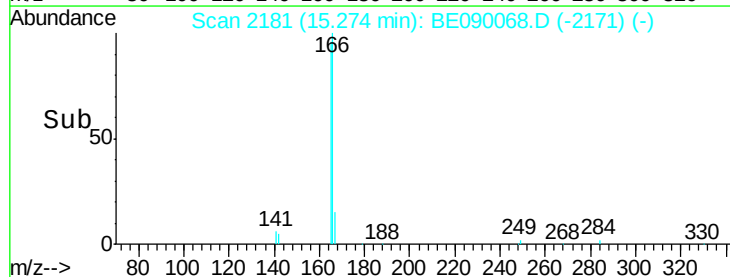
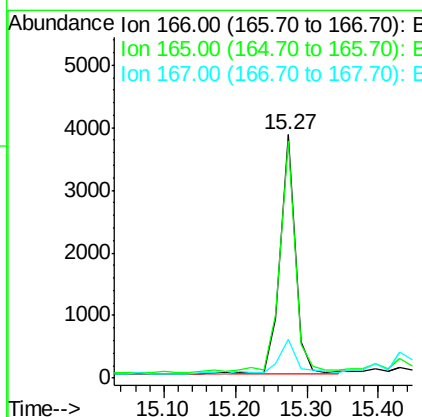
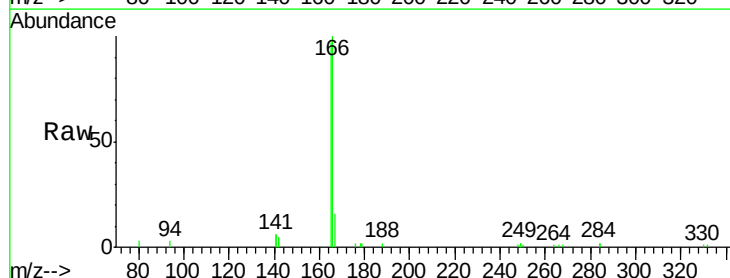
Manual Integrations
APPROVED

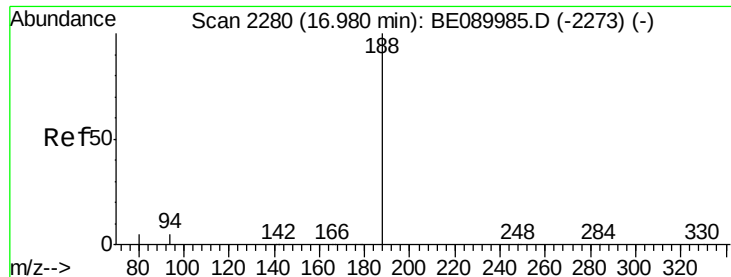
apatel
7/9/2015 2:20:59 PM



#17
Fluorene
Concen: 0.30 ng
RT: 15.27 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.0	118.6
167	19.9	11.8	17.8#





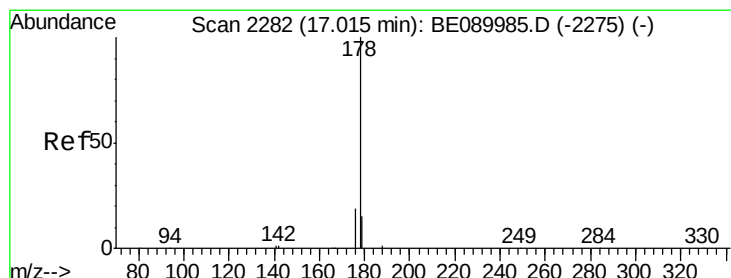
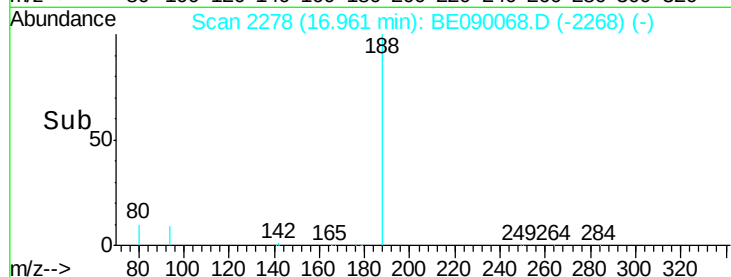
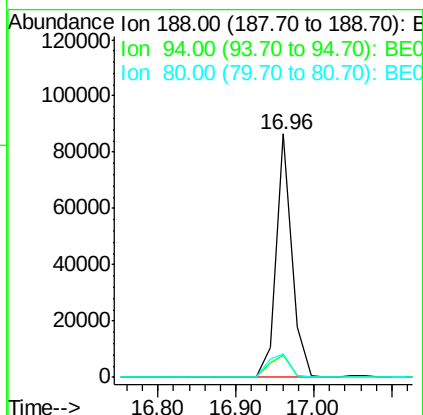
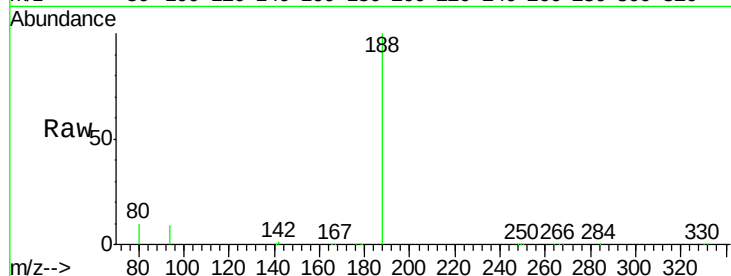
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	4.1	6.1#
80	9.9	4.2	6.2#

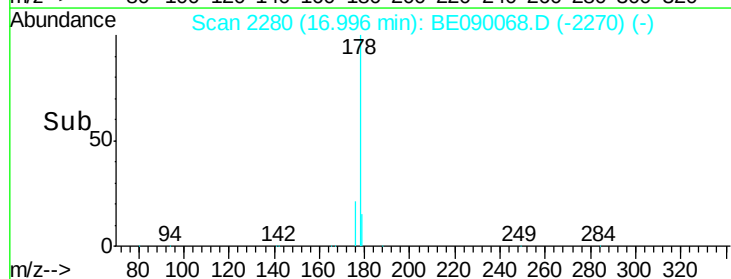
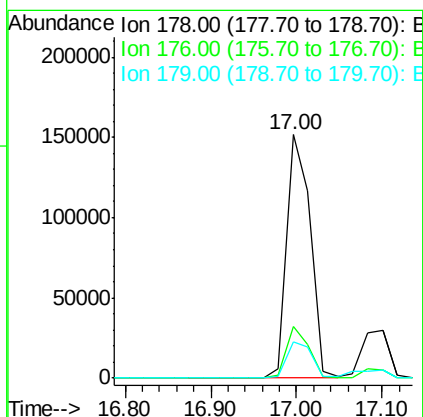
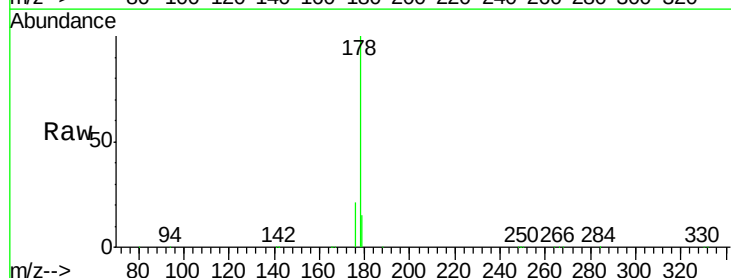
Manual Integrations
APPROVED

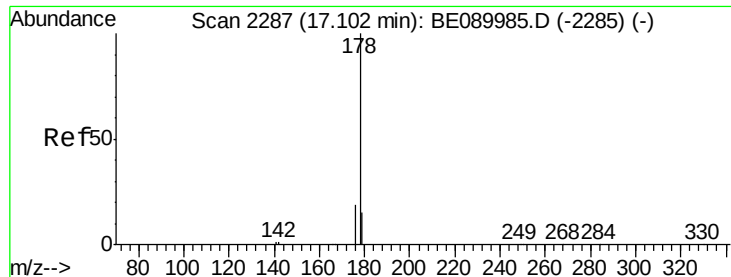
apatel
7/9/2015 2:20:59 PM



#22
Phenanthrene
Concen: 9.38 ng
RT: 17.00 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

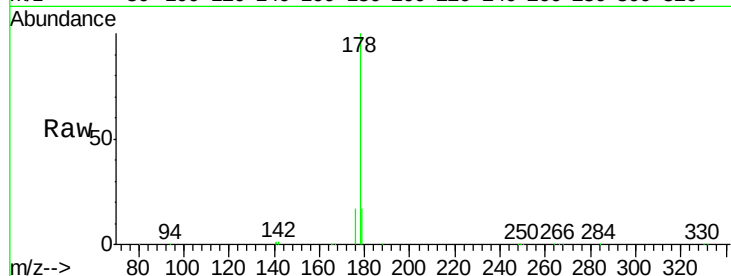
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	15.3	22.9
179	15.9	12.4	18.6





#23
 Anthracene
 Concen: 2.12 ng m
 RT: 17.10 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BE090068.D
 Acq: 8 Jul 2015 20:56

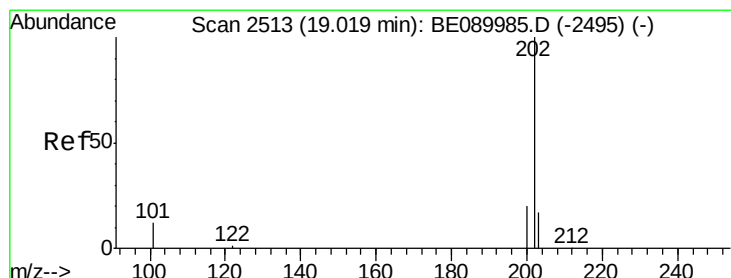
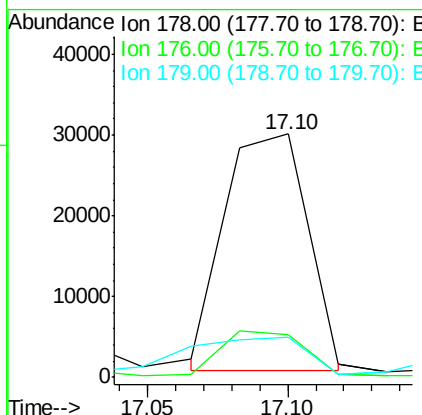
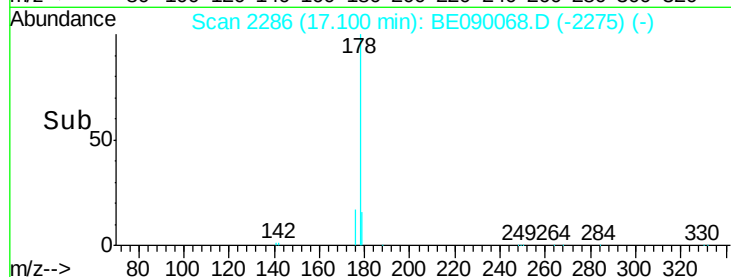
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0730006-150625



Tgt Ion	Ratio	Lower	Upper
178	100		
176	94.8	14.7	22.1#
179	76.8	12.1	18.1#

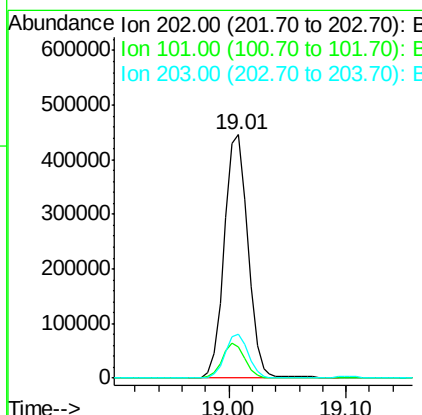
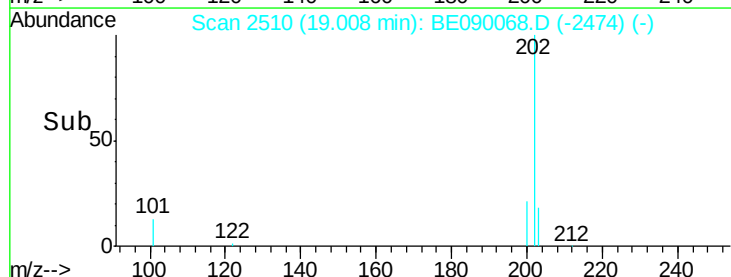
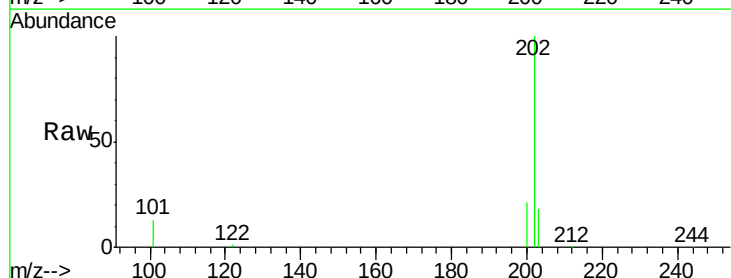
Manual Integrations
 APPROVED

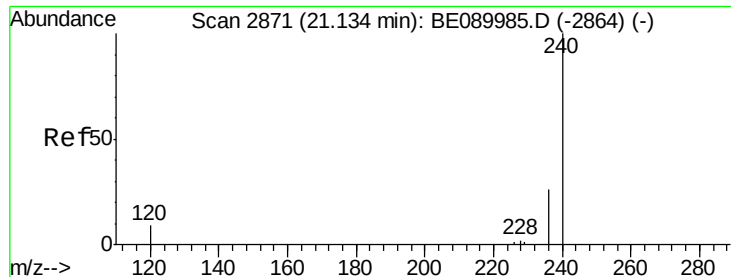
apatel
 7/9/2015 2:20:59 PM



#24
 Fluoranthene
 Concen: 17.94 ng
 RT: 19.01 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BE090068.D
 Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.6	15.8
203	17.6	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

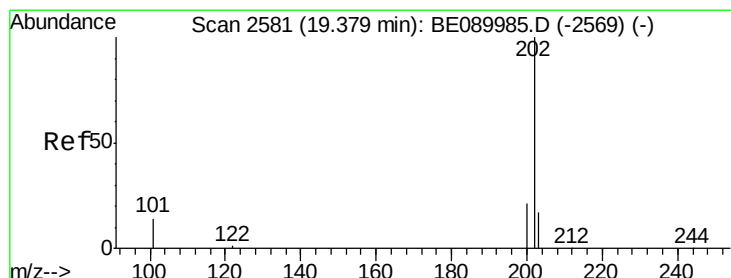
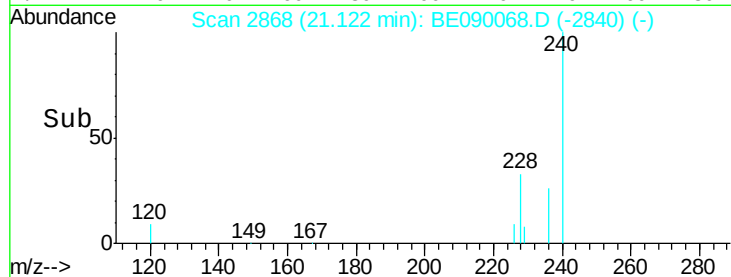
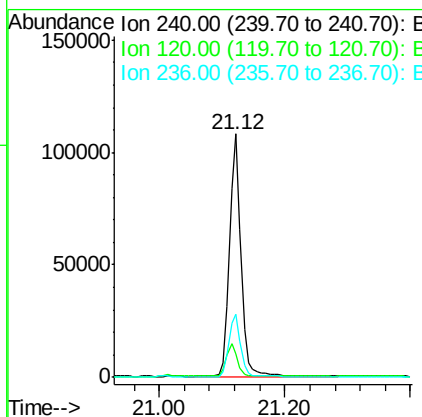
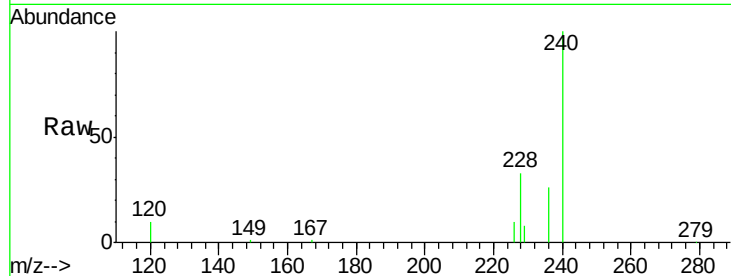
ClientSampleId :

X1SS0730006-150625

Tgt Ion:	240	Resp:	136676
Ion Ratio	Lower	Upper	
240	100		
120	9.7	6.9	10.3
236	25.9	20.8	31.2

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#26

Pyrene

Concen: 16.28 ng

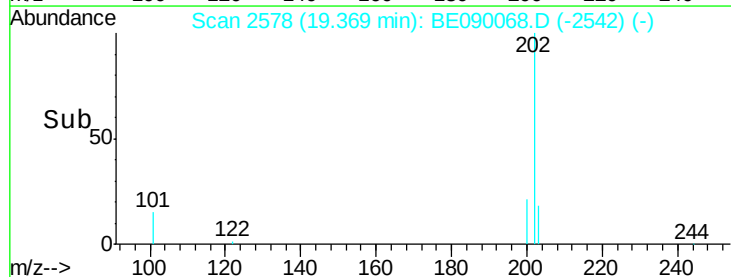
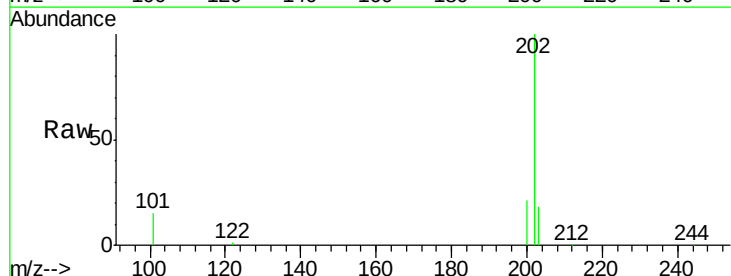
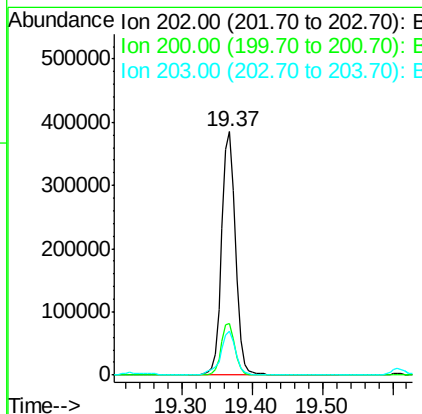
RT: 19.37 min Scan# 2578

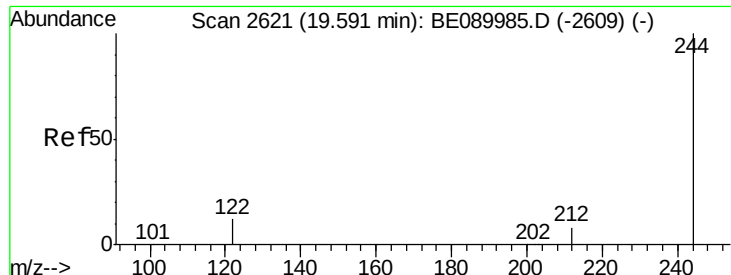
Delta R.T. -0.01 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Tgt Ion:	202	Resp:	530482
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.8	25.2
203	19.4	13.9	20.9





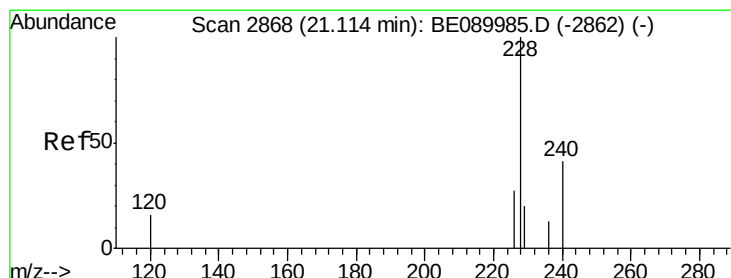
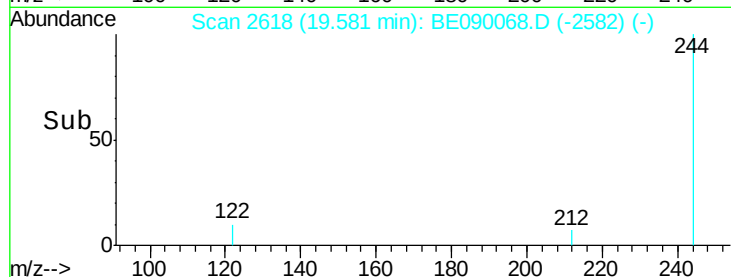
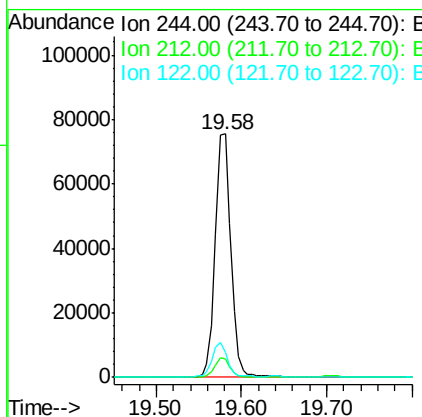
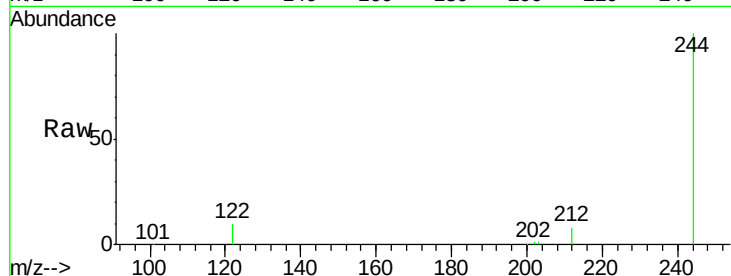
#27
 Terphenyl-d14
 Concen: 4.16 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090068.D
 Acq: 8 Jul 2015 20:56

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0730006-150625

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.6	9.8
122	10.1	9.8	14.8

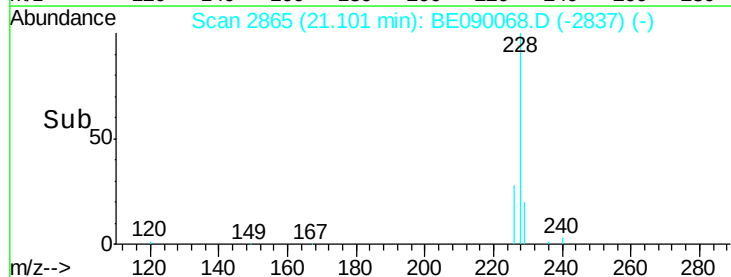
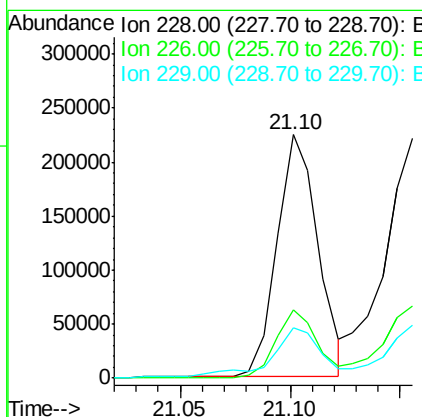
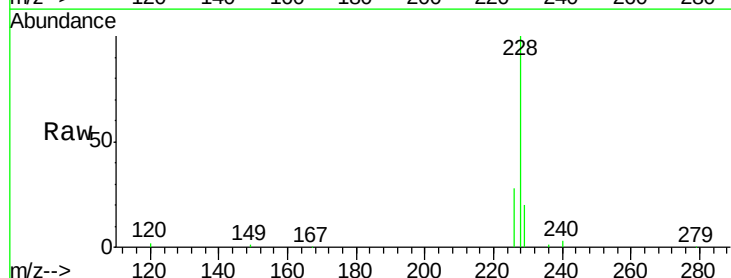
Manual Integrations
 APPROVED

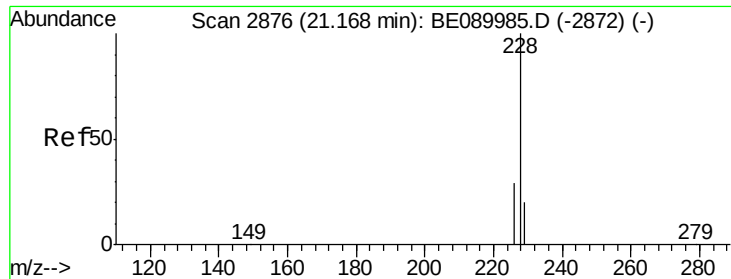
apatel
 7/9/2015 2:20:59 PM



#28
 Benzo(a)anthracene
 Concen: 8.58 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090068.D
 Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.6
229	20.5	15.8	23.6





#29

Chrysene

Concen: 8.88 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090068.D

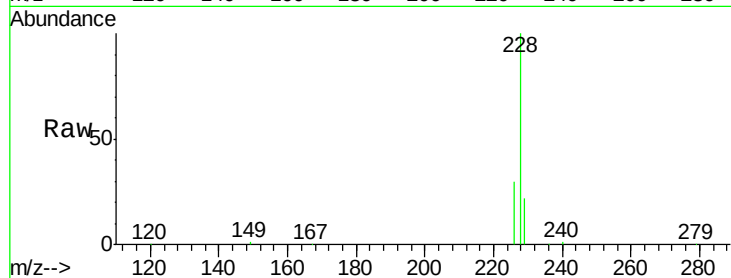
Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

ClientSampleId :

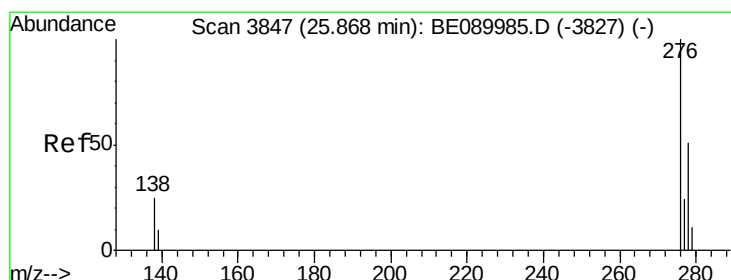
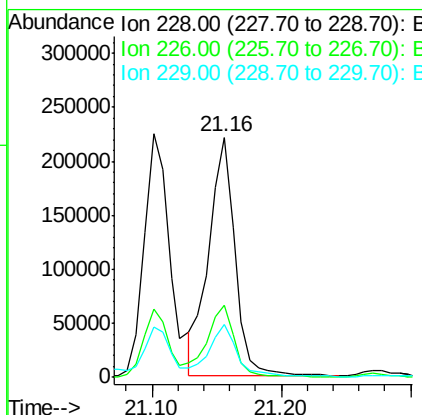
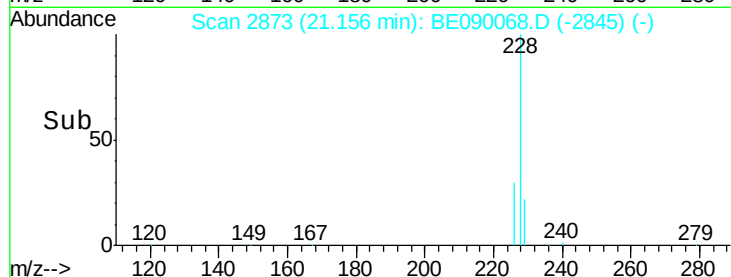
X1SS0730006-150625



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	314790		
226	30.2	23.4	35.0	
229	22.2	16.2	24.2	

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#31

Indeno(1,2,3-cd)pyrene

Concen: 3.62 ng

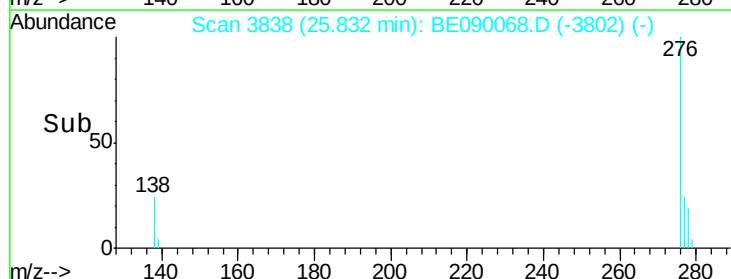
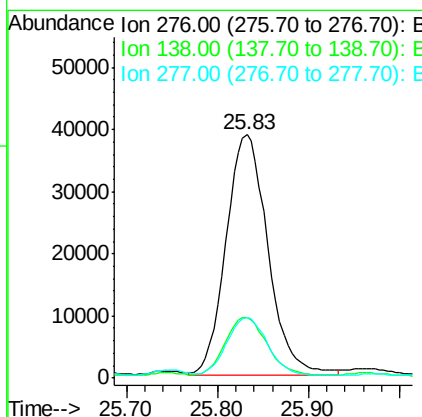
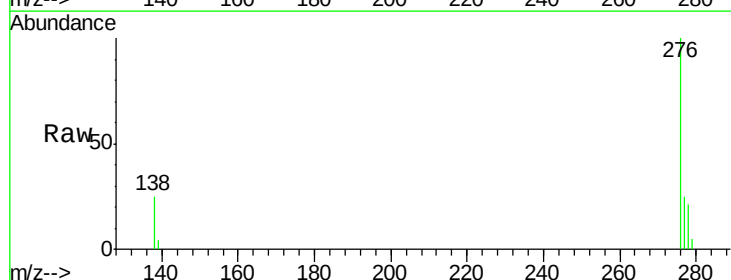
RT: 25.83 min Scan# 3838

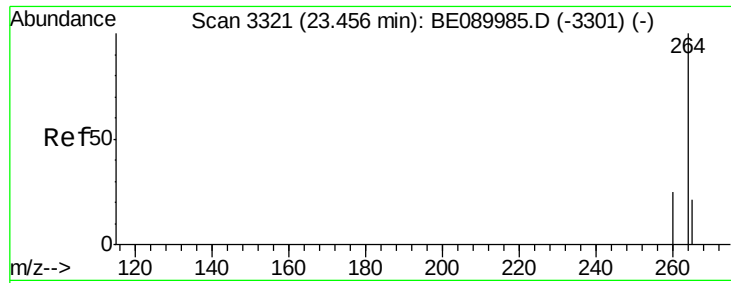
Delta R.T. -0.04 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	123045		
138	24.5	21.3	31.9	
277	23.5	19.7	29.5	





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3316

Delta R.T. -0.02 min

Lab File: BE090068.D

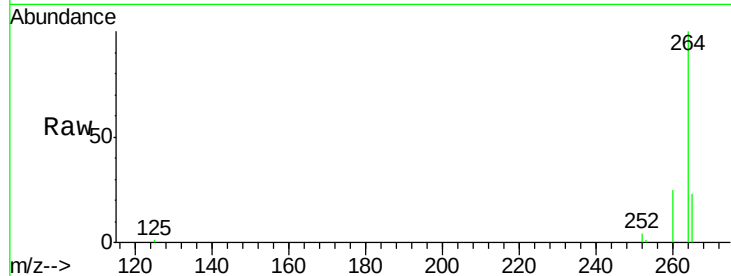
Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

ClientSampleId :

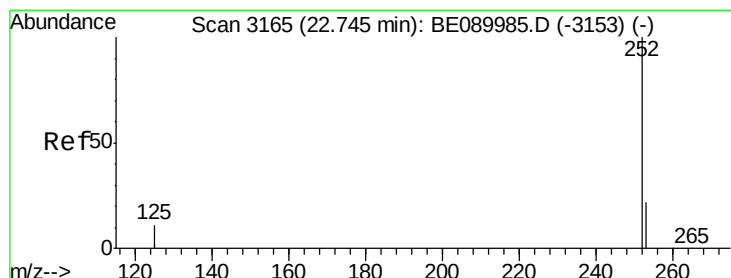
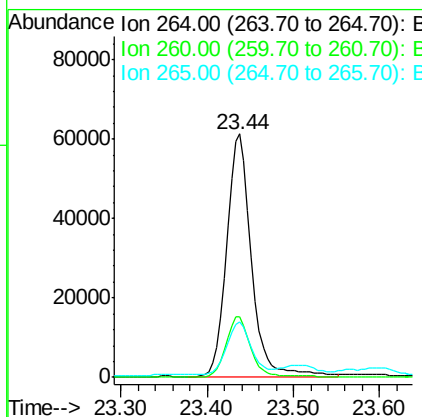
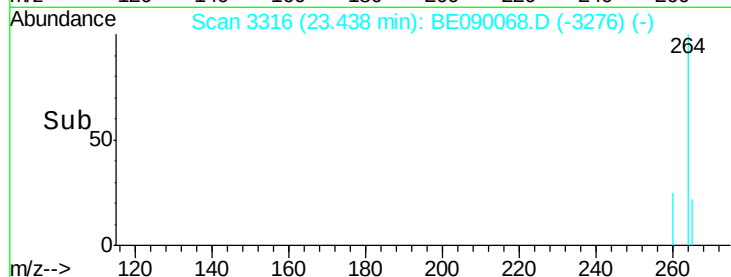
X1SS0730006-150625



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	123313		
260	24.8	20.2	30.2	
265	23.0	17.1	25.7	

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#33

Benzo(b)fluoranthene

Concen: 12.31 ng

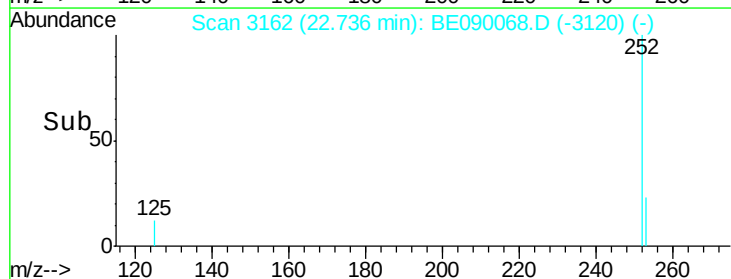
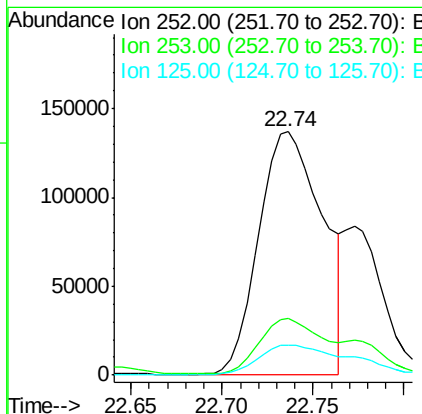
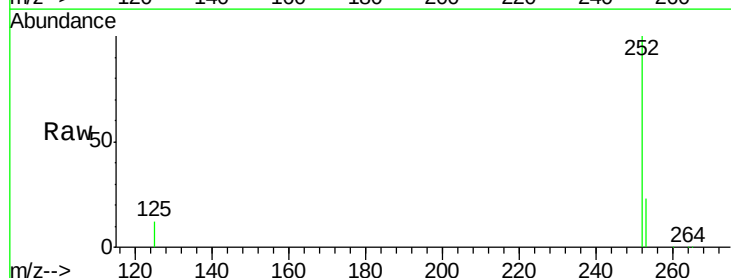
RT: 22.74 min Scan# 3162

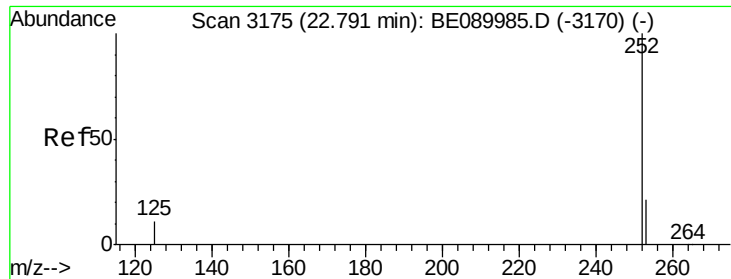
Delta R.T. -0.01 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	335004		
253	23.3	17.8	26.8	
125	12.5	9.0	13.4	





#34

Benzo(k)fluoranthene

Concen: 4.35 ng m

RT: 22.77 min Scan# 3170

Delta R.T. -0.02 min

Lab File: BE090068.D

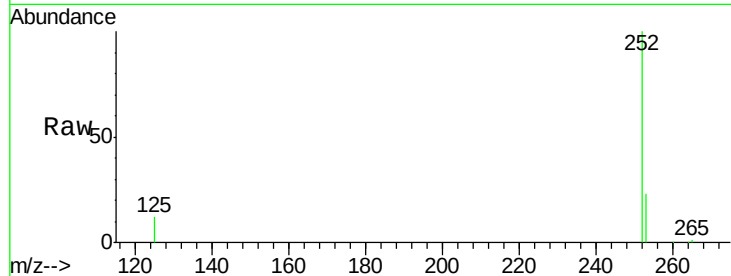
Acq: 8 Jul 2015 20:56

Instrument :

BNA_E

ClientSampleId :

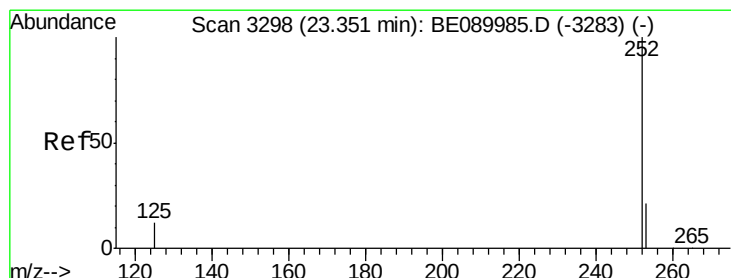
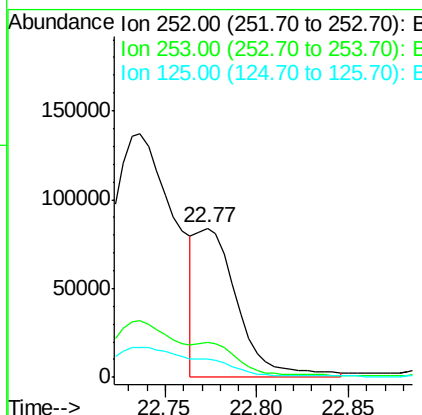
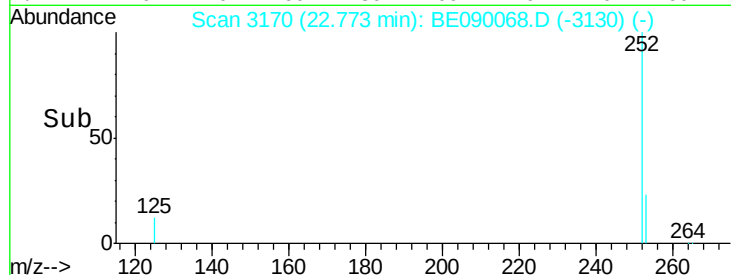
X1SS0730006-150625



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.1	9.5	14.3

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#35

Benzo(a)pyrene

Concen: 8.72 ng

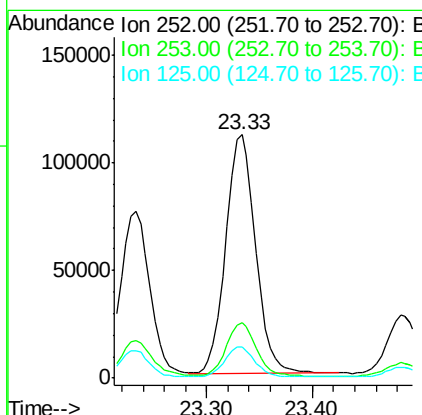
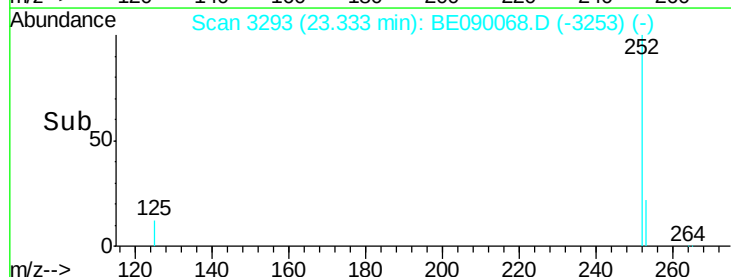
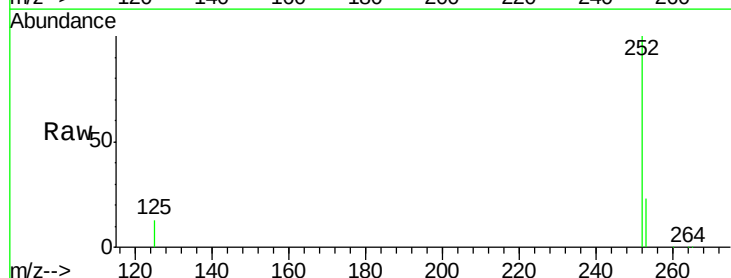
RT: 23.33 min Scan# 3293

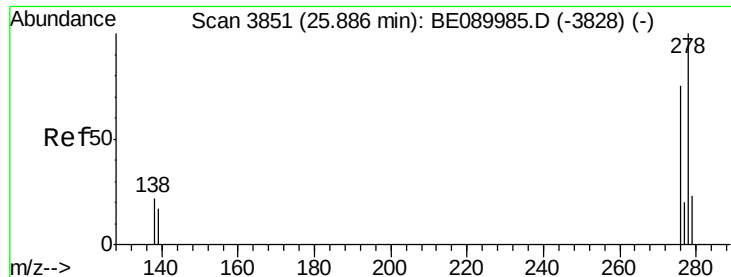
Delta R.T. -0.02 min

Lab File: BE090068.D

Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	12.5	10.5	15.7





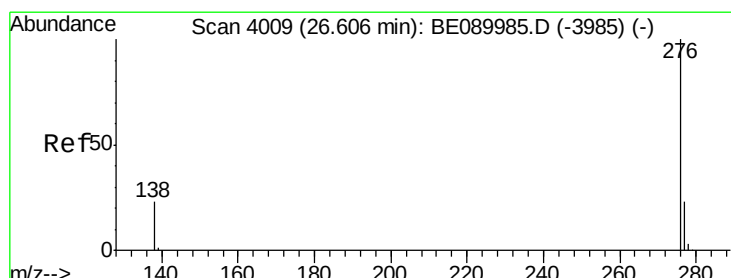
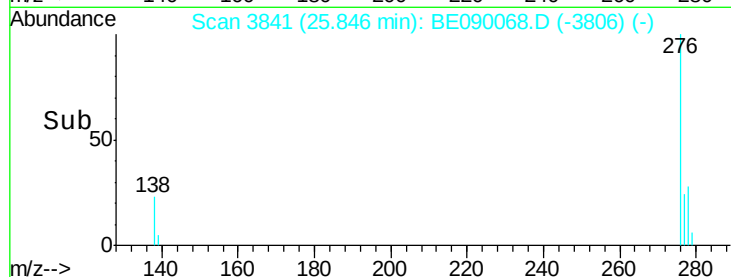
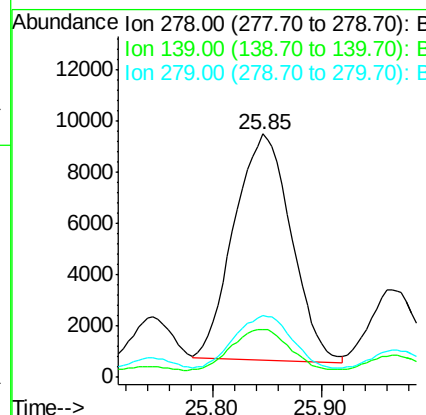
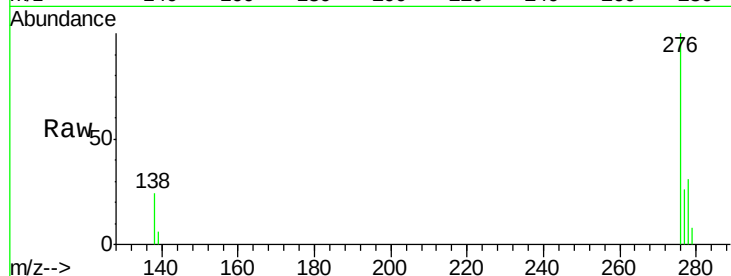
#36
Dibenzo(a,h)anthracene
Concen: 1.24 ng
RT: 25.85 min Scan# 3841
Delta R.T. -0.04 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

Instrument :
BNA_E
ClientSampleId :
X1SS0730006-150625

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.4	21.6
279	25.5	19.0	28.6

Manual Integrations
APPROVED

apatel
7/9/2015 2:20:59 PM



#37
Benzo(g,h,i)perylene
Concen: 4.49 ng
RT: 26.57 min Scan# 4000
Delta R.T. -0.04 min
Lab File: BE090068.D
Acq: 8 Jul 2015 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	25.3	18.6	27.8

