

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089976.D
 Acq On : 27 Jun 2015 14:43
 Operator : TP/IZ
 Sample : G2782-26 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620204-150624

Manual Integrations
 APPROVED

apatel
 6/29/2015 5:04:56 PM

Quant Time: Jun 29 01:46:27 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	23404	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	117691	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	71390	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	164163	5.00	ng	0.00
25) Chrysene-d12	21.14	240	181710	5.00	ng	0.00
32) Perylene-d12	23.47	264	169503	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	26015	6.16	ng	0.00
5) Phenol-d6	6.81	99	44941	6.94	ng	0.00
7) Nitrobenzene-d5	8.77	82	28038	3.20	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	8387	6.71	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	66807	3.21	ng	0.00
27) Terphenyl-d14	19.60	244	95587	3.05	ng	0.00
Target Compounds						Qvalue
15) Acenaphthylene	13.95	152	10210	0.08	ng	99
16) Acenaphthene	14.30	154	498	0.03	ng	92
22) Phenanthrene	17.01	178	14646	0.36	ng	99
23) Anthracene	17.12	178	4411m	0.12	ng	
24) Fluoranthene	19.02	202	61430	1.37	ng	100
26) Pyrene	19.38	202	60423	1.31	ng	96
28) Benzo(a)anthracene	21.12	228	44117	1.02	ng	98
29) Chrysene	21.17	228	49040	1.03	ng	97
30) Bis(2-ethylhexyl)phthalate	21.07	149	4323	1.17	ng	94
31) Indeno(1,2,3-cd)pyrene	25.88	276	31543	0.90	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	67897	1.89	ng	96
34) Benzo(k)fluoranthene	22.80	252	23310m	0.57	ng	
35) Benzo(a)pyrene	23.36	252	43377	1.36	ng	98
36) Dibenzo(a,h)anthracene	25.90	278	7477	0.25	ng	# 89
37) Benzo(g,h,i)perylene	26.62	276	34680	1.09	ng	98

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

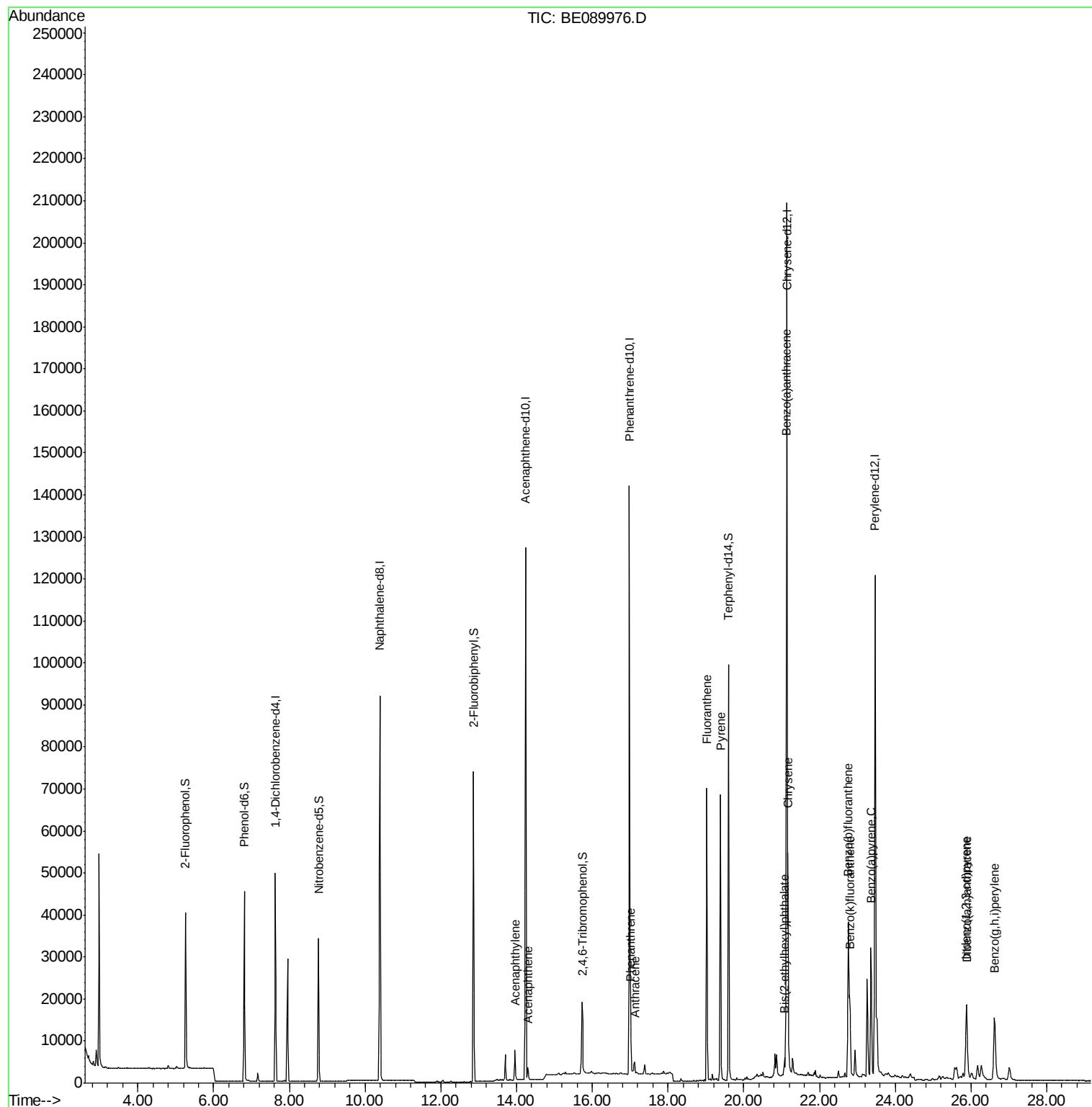
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
Data File : BE089976.D
Acq On : 27 Jun 2015 14:43
Operator : TP/IZ
Sample : G2782-26 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

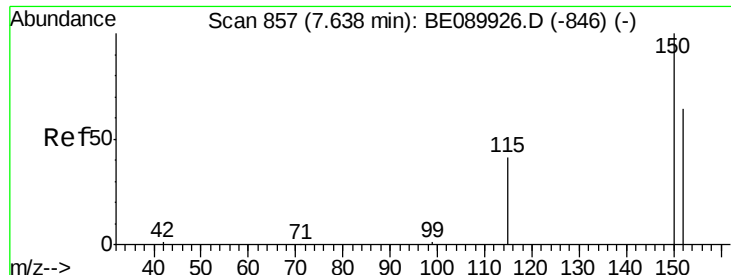
Instrument :
BNA_E
ClientSampleId :
X1SS0620204-150624

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM

Quant Time: Jun 29 01:46:27 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. -0.01 min

Lab File: BE089976.D

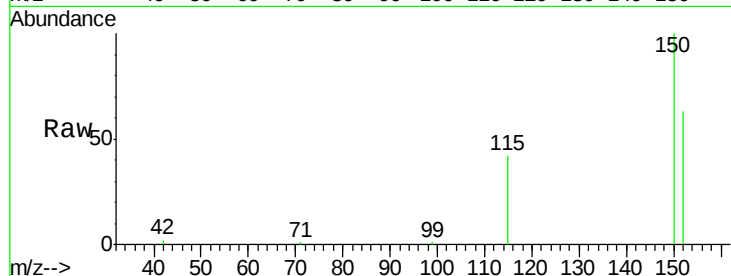
Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

ClientSampleId :

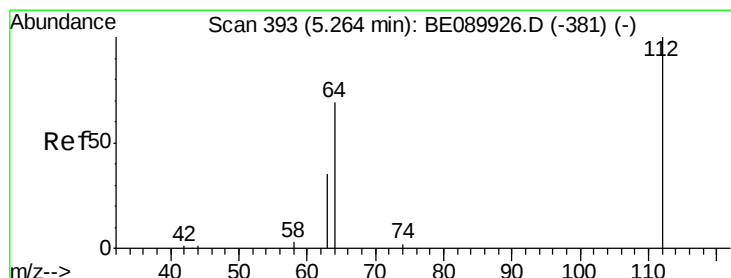
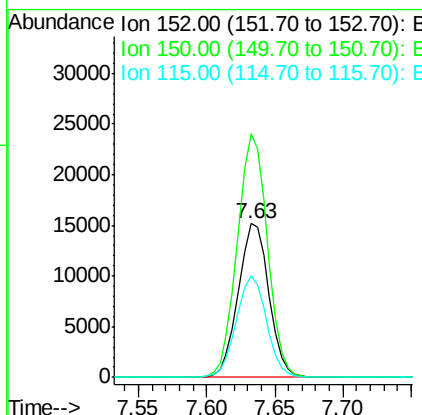
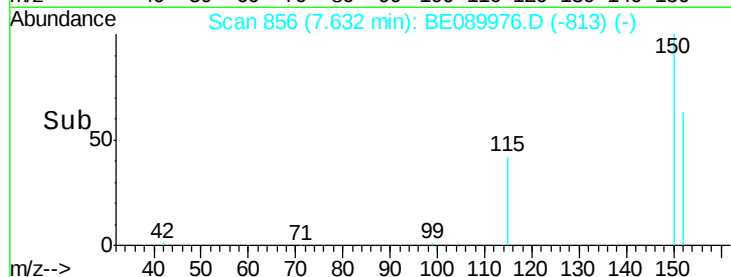
X1SS0620204-150624



Tgt Ion:	152	Resp:	23404
Ion Ratio	Lower	Upper	
152	100		
150	158.7	124.6	186.8
115	66.3	51.6	77.4

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#4

2-Fluorophenol

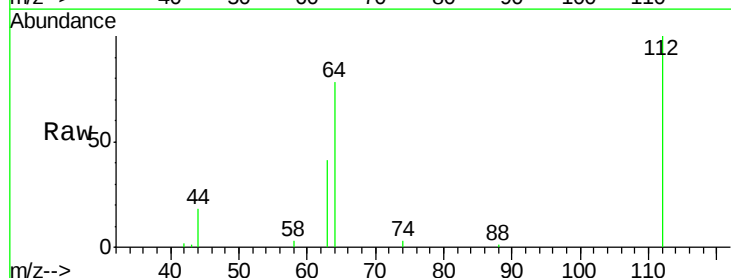
Concen: 6.16 ng

RT: 5.26 min Scan# 392

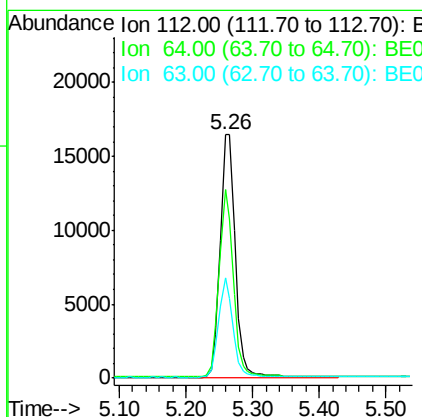
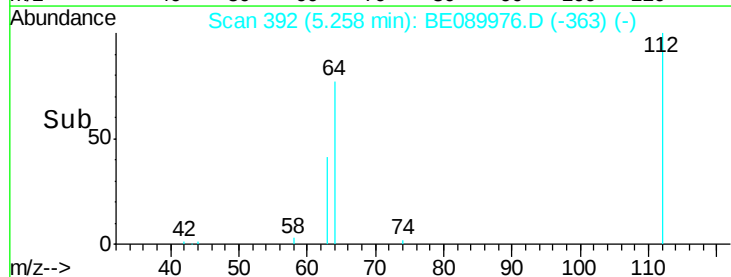
Delta R.T. -0.01 min

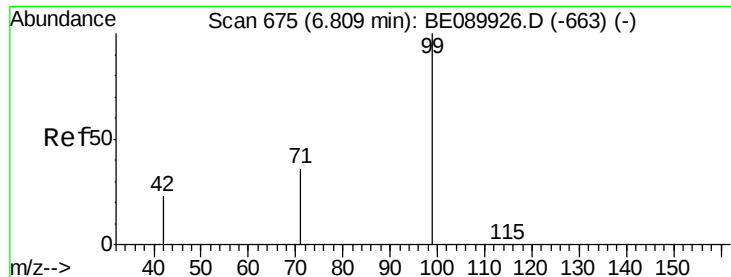
Lab File: BE089976.D

Acq: 27 Jun 2015 14:43



Tgt Ion:	112	Resp:	26015
Ion Ratio	Lower	Upper	
112	100		
64	72.5	57.4	86.2
63	38.0	31.2	46.8





#5

Phenol-d6

Concen: 6.94 ng

RT: 6.81 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

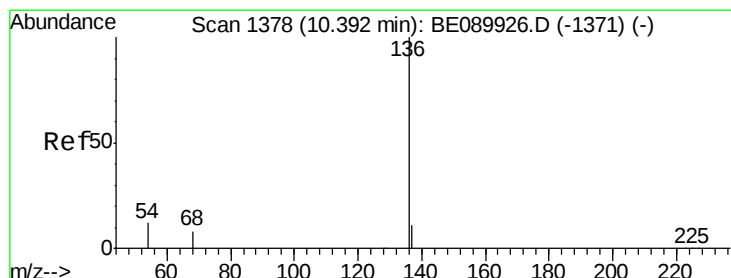
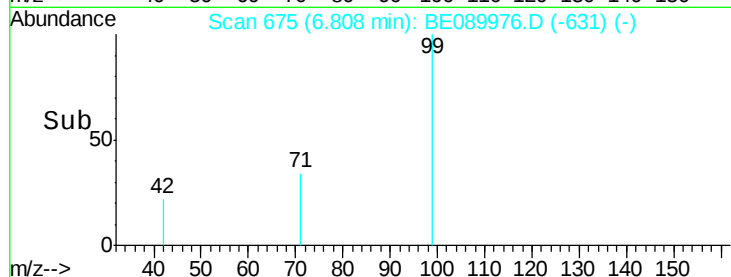
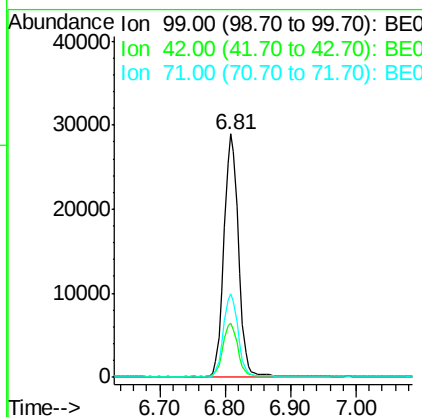
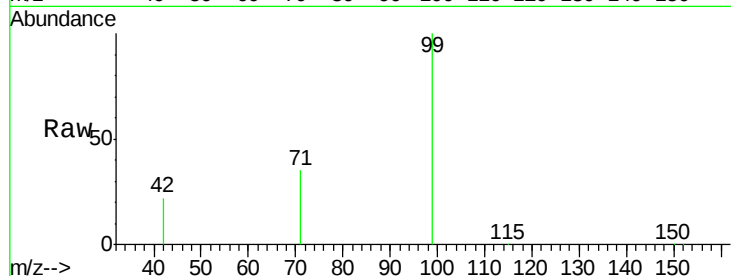
ClientSampleId :

X1SS0620204-150624

Tgt Ion:	99	Resp:	44941
Ion Ratio	Lower	Upper	
99	100		
42	22.2	19.5	29.3
71	34.4	27.8	41.6

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#6

Naphthalene-d8

Concen: 5.00 ng

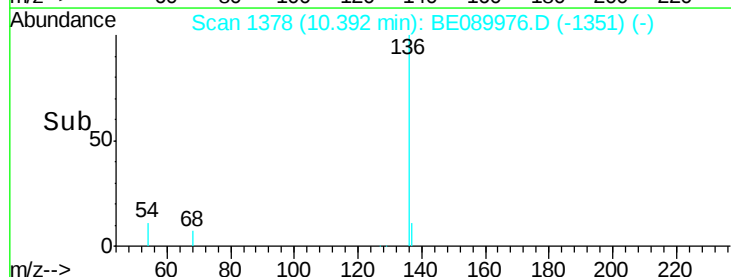
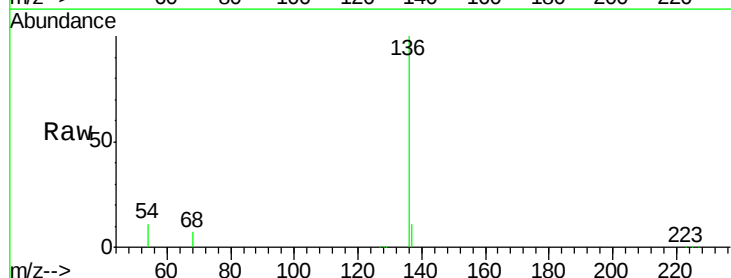
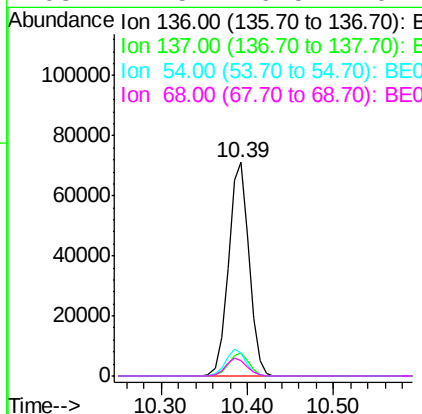
RT: 10.39 min Scan# 1378

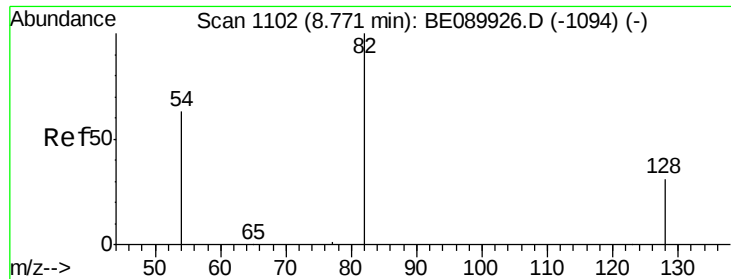
Delta R.T. -0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Tgt Ion:	136	Resp:	117691
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	10.8	9.7	14.5
68	7.5	6.5	9.7





#7

Nitrobenzene-d5

Concen: 3.20 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089976.D

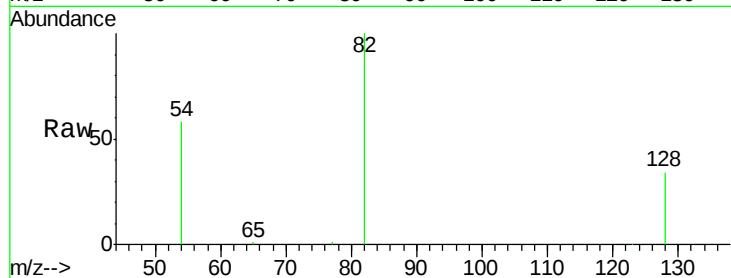
Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

ClientSampleId :

X1SS0620204-150624



Tgt Ion: 82 Resp: 28038

Ion Ratio Lower Upper

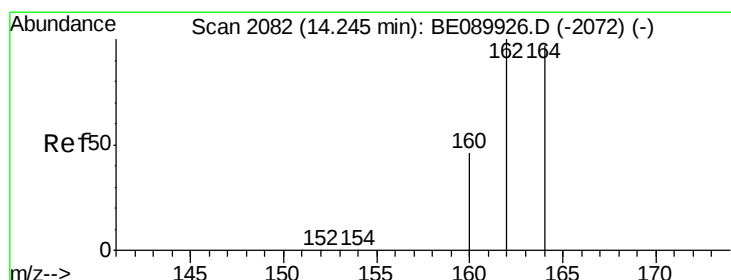
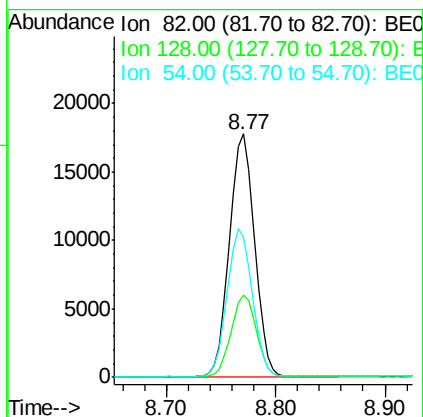
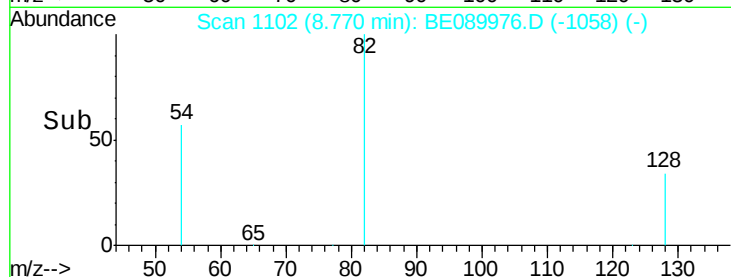
82 100

128 33.9 25.6 38.4

54 57.6 51.2 76.8

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

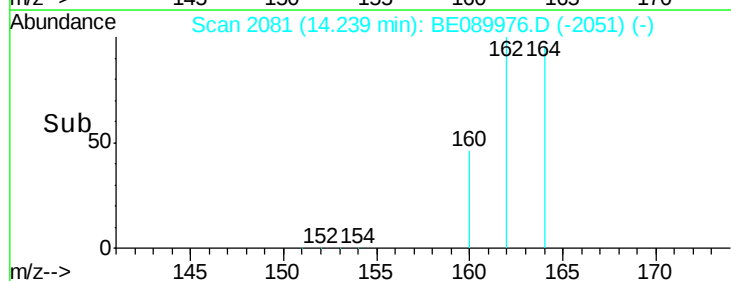
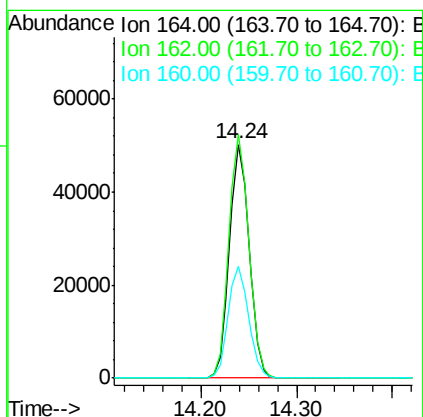
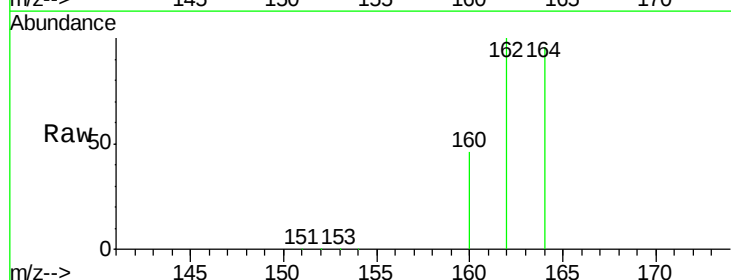
Tgt Ion: 164 Resp: 71390

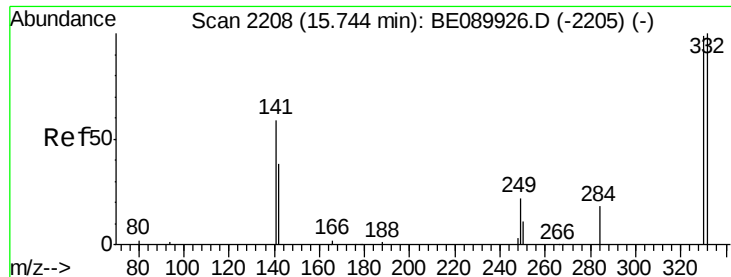
Ion Ratio Lower Upper

164 100

162 104.1 82.7 124.1

160 47.7 38.3 57.5





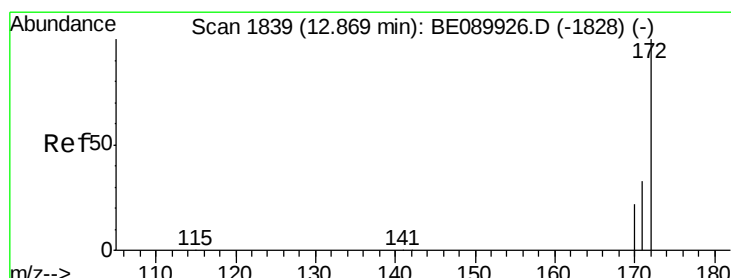
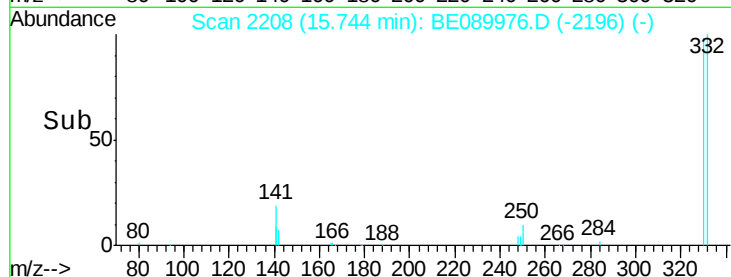
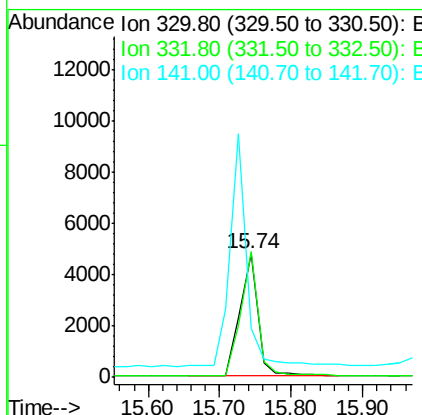
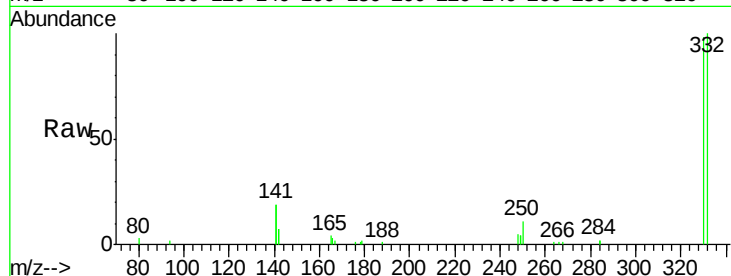
#13
 2,4,6-Tribromophenol
 Concen: 6.71 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089976.D
 Acq: 27 Jun 2015 14:43

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620204-150624

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.9	116.9
141	176.2	142.8	214.2

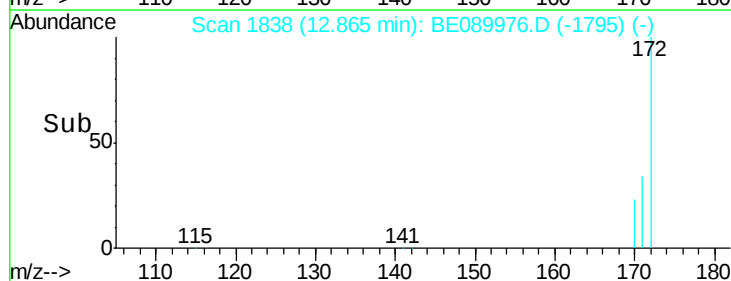
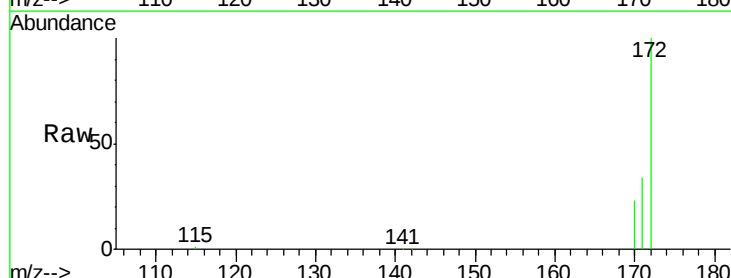
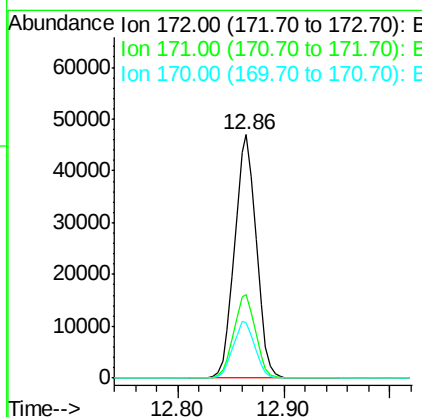
Manual Integrations
 APPROVED

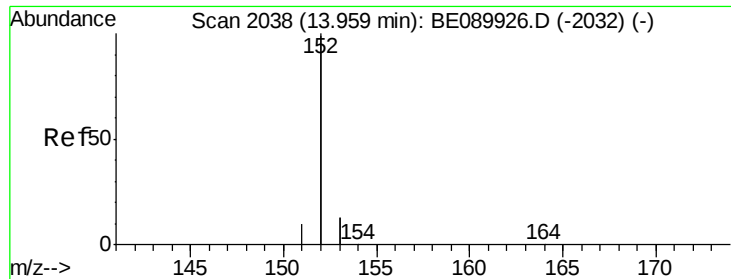
apatel
 6/29/2015 5:04:56 PM



#14
 2-Fluorobiphenyl
 Concen: 3.21 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089976.D
 Acq: 27 Jun 2015 14:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.7	40.1
170	22.6	17.5	26.3





#15

Acenaphthylene

Concen: 0.08 ng

RT: 13.95 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

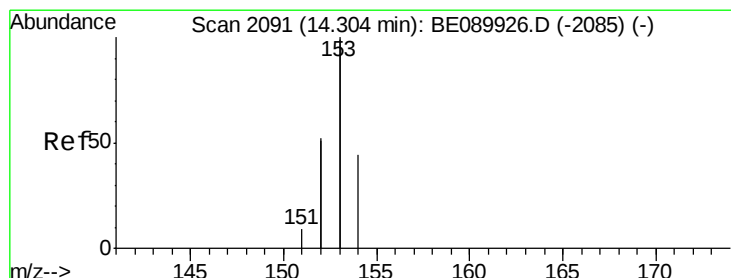
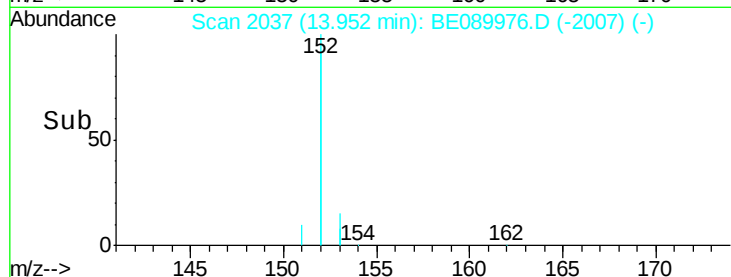
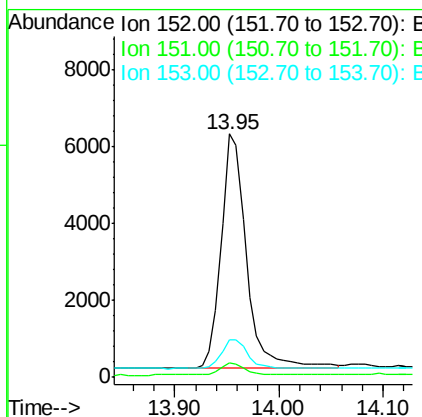
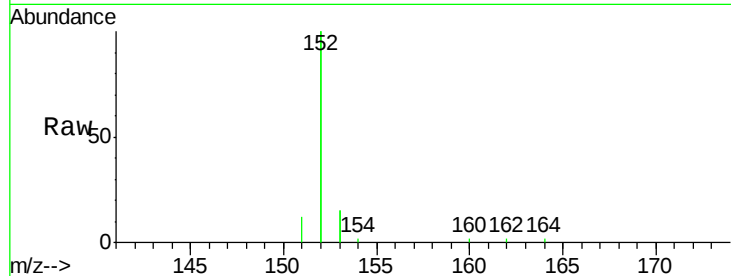
ClientSampleId :

X1SS0620204-150624

Tgt Ion:	152	Resp:	10210
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.9	5.9
153	12.6	10.4	15.6

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#16

Acenaphthene

Concen: 0.03 ng

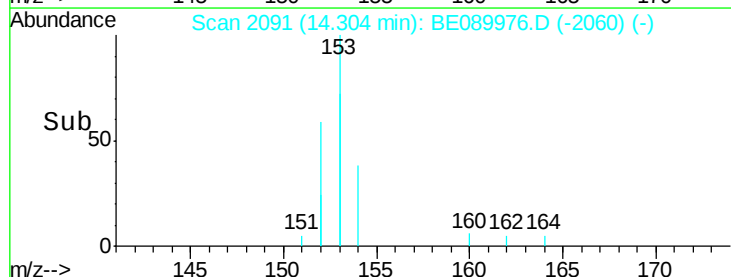
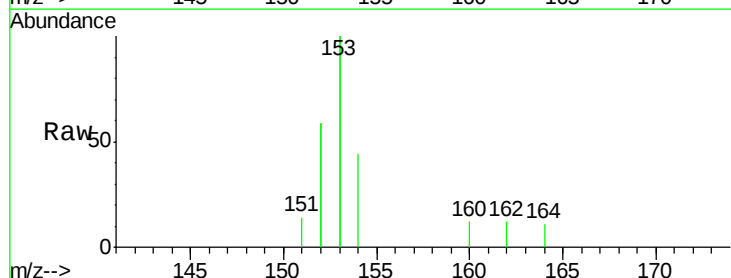
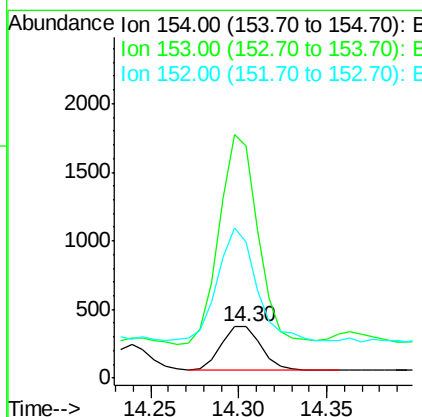
RT: 14.30 min Scan# 2091

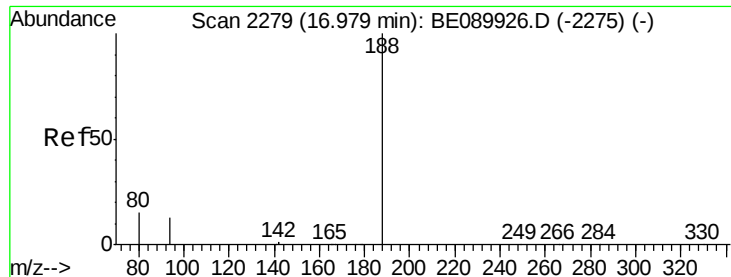
Delta R.T. 0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Tgt Ion:	154	Resp:	498
Ion Ratio	Lower	Upper	
154	100		
153	471.9	362.8	544.2
152	258.0	194.6	291.8





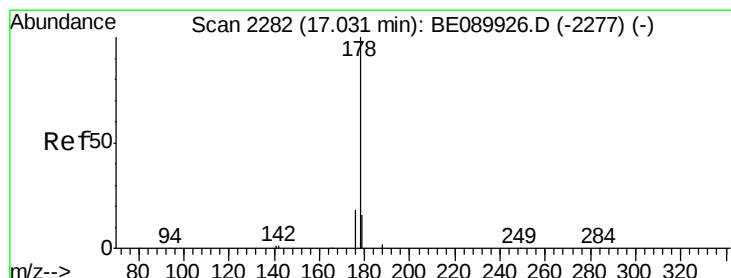
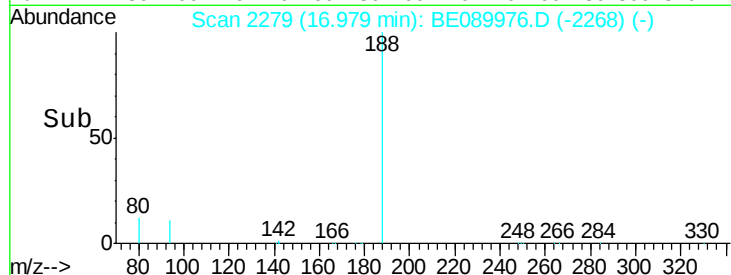
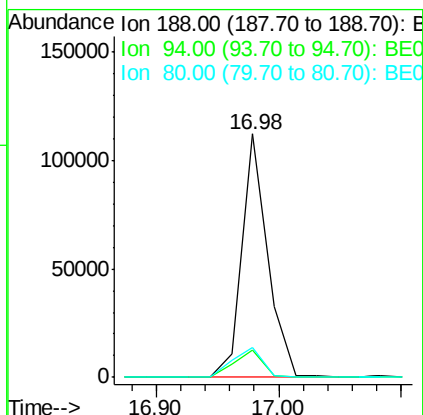
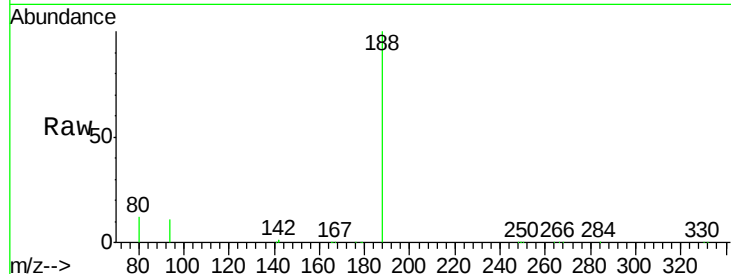
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BE089976.D
Acq: 27 Jun 2015 14:43

Instrument :
BNA_E
ClientSampleId :
X1SS0620204-150624

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	10.6	16.0
80	12.4	11.8	17.6

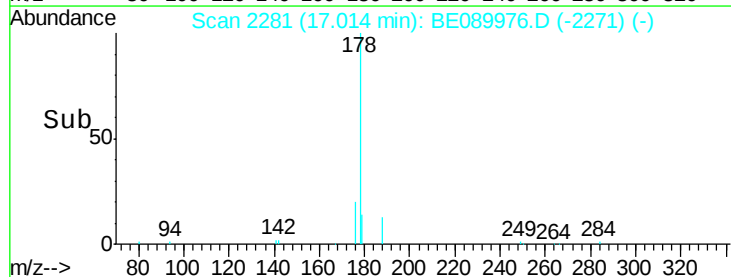
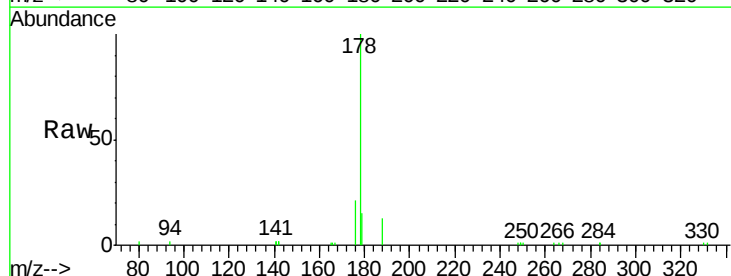
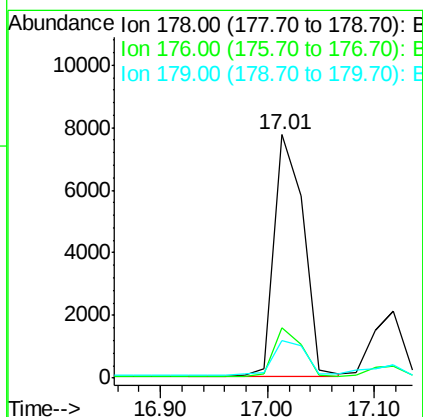
Manual Integrations
APPROVED

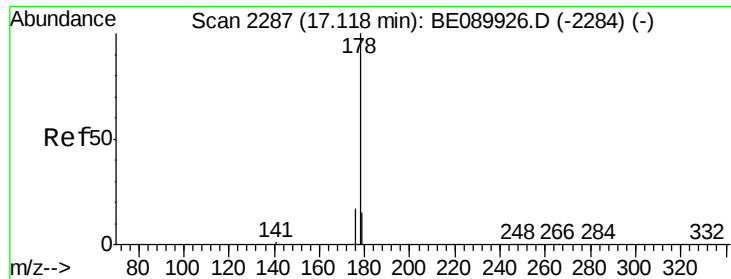
apatel
6/29/2015 5:04:56 PM



#22
Phenanthrene
Concen: 0.36 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BE089976.D
Acq: 27 Jun 2015 14:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.4	23.2
179	16.5	12.6	19.0





#23

Anthracene

Concen: 0.12 ng m

RT: 17.12 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

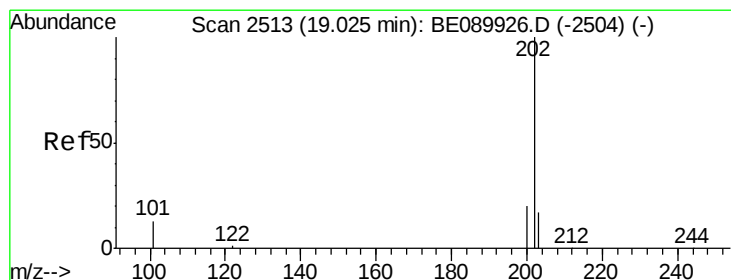
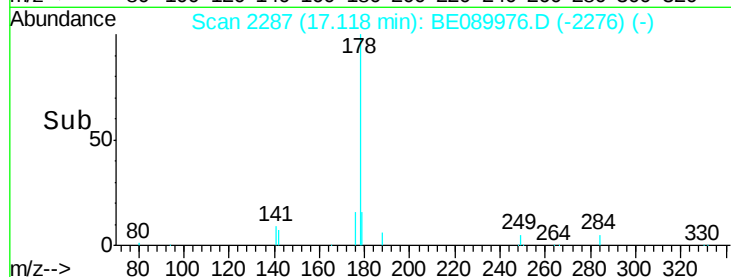
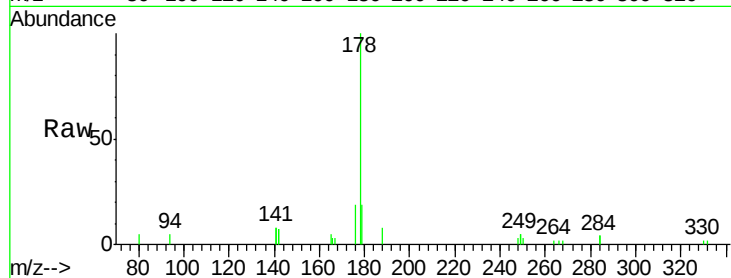
ClientSampleId :

X1SS0620204-150624

Tgt Ion:	178	Resp:	4411
Ion Ratio	Lower	Upper	
178	100		
176	63.4	14.6	21.8#
179	53.8	12.3	18.5#

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#24

Fluoranthene

Concen: 1.37 ng

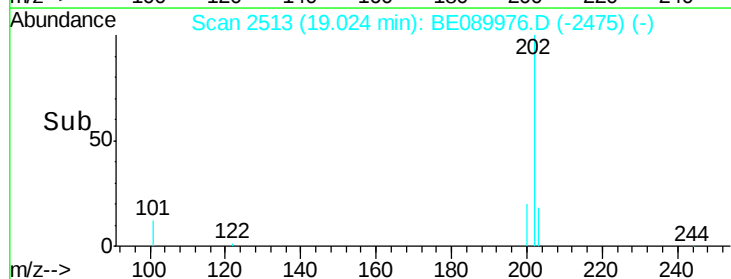
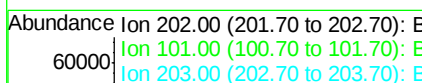
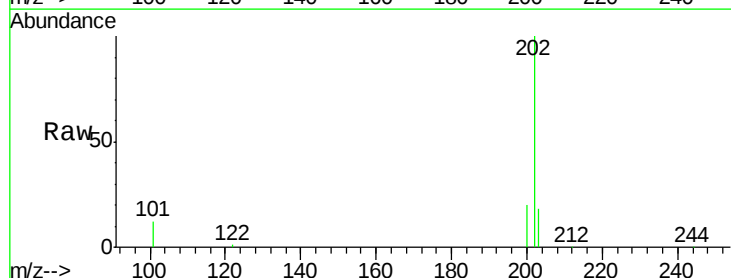
RT: 19.02 min Scan# 2513

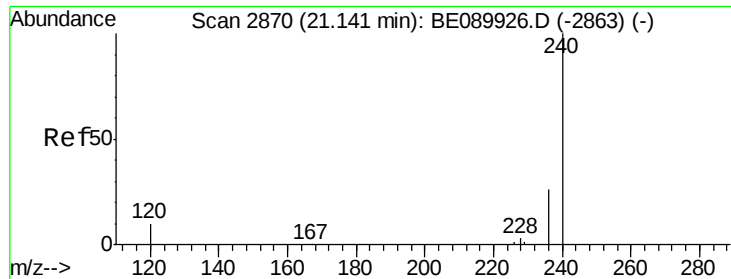
Delta R.T. -0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Tgt Ion:	202	Resp:	61430
Ion Ratio	Lower	Upper	
202	100		
101	13.3	10.6	16.0
203	17.4	13.8	20.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.14 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

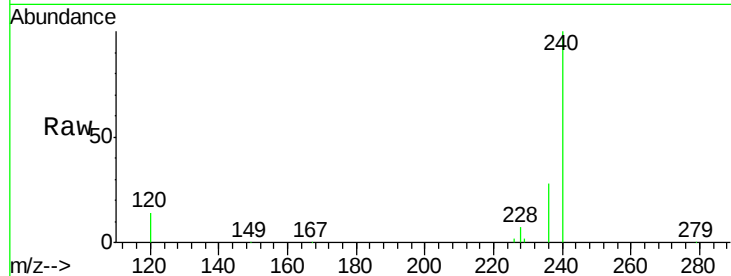
ClientSampleId :

X1SS0620204-150624

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.6	7.9	11.9#
236	27.7	21.2	31.8

Manual Integrations
APPROVED

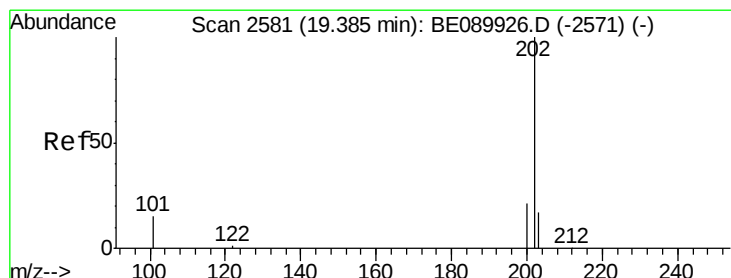
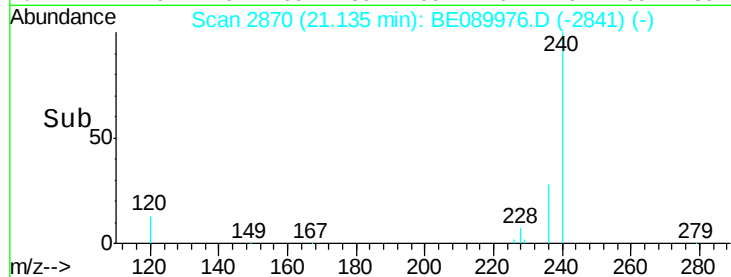
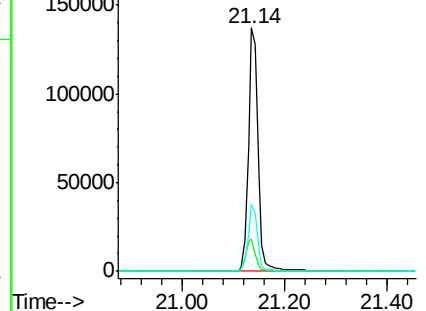
apatel
6/29/2015 5:04:56 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 1.31 ng

RT: 19.38 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BE089976.D

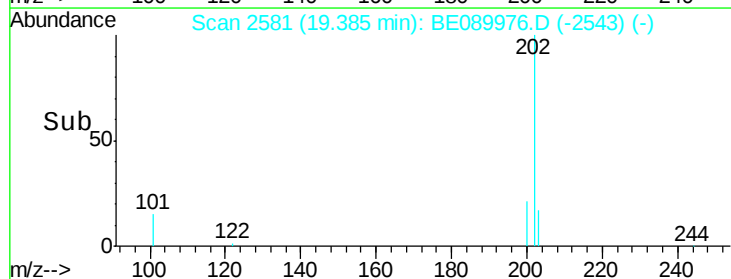
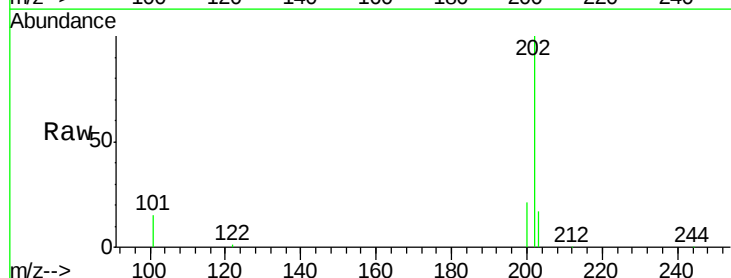
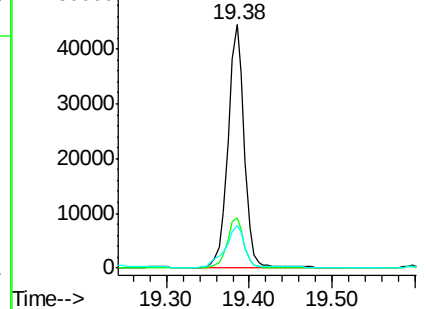
Acq: 27 Jun 2015 14:43

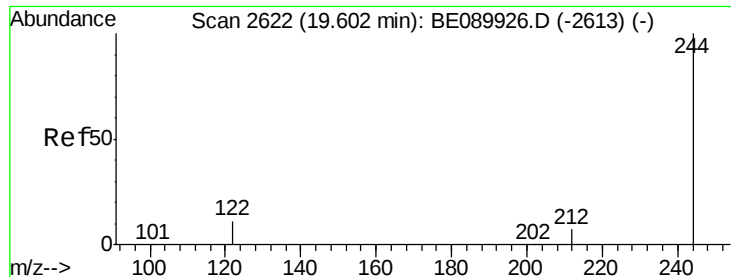
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	20.6	13.9	20.9

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 3.05 ng

RT: 19.60 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BE089976.D

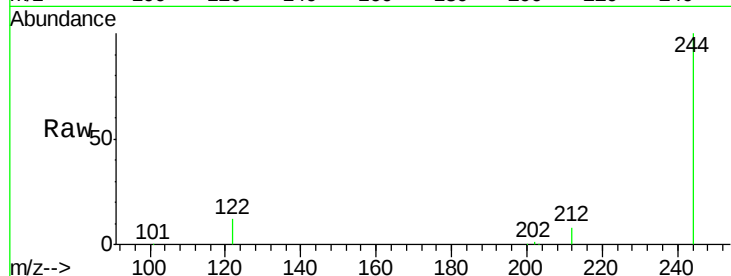
Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

ClientSampleId :

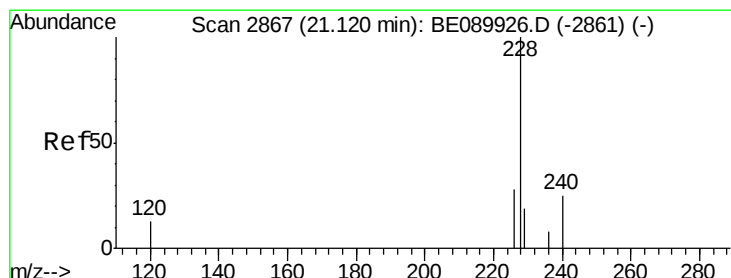
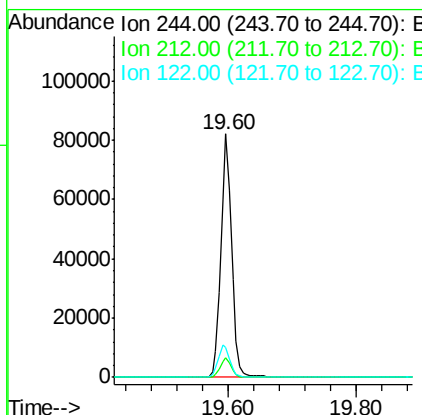
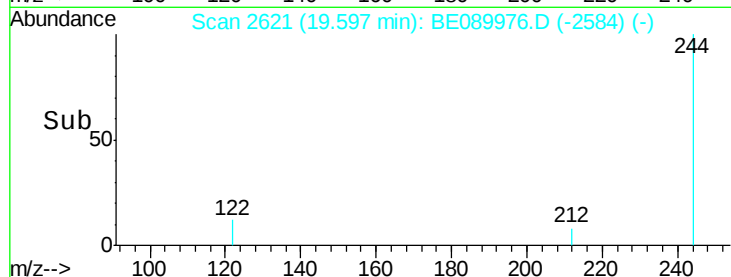
X1SS0620204-150624



Tgt Ion:	244	Resp:	95587
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.1	9.1
122	12.1	8.7	13.1

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#28

Benzo(a)anthracene

Concen: 1.02 ng

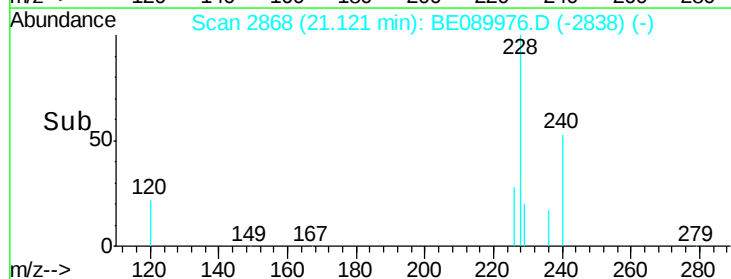
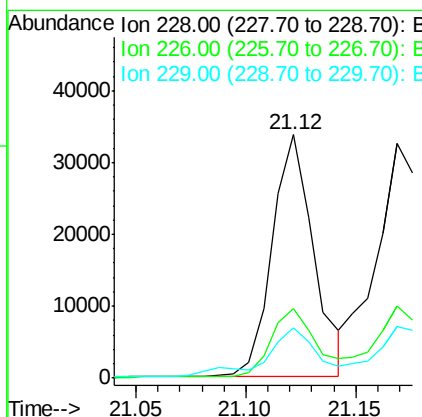
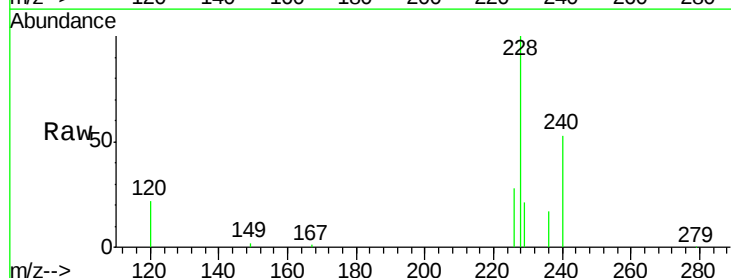
RT: 21.12 min Scan# 2868

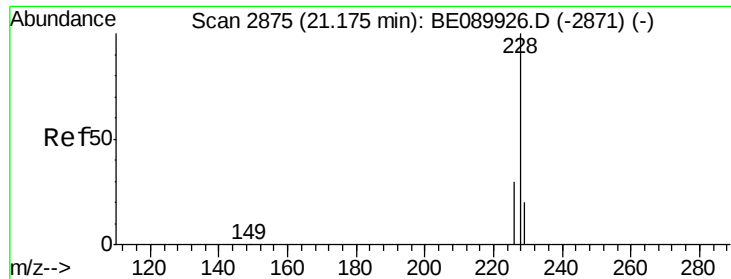
Delta R.T. 0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Tgt Ion:	228	Resp:	44117
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.2	33.4
229	20.7	15.3	22.9





#29

Chrysene

Concen: 1.03 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089976.D

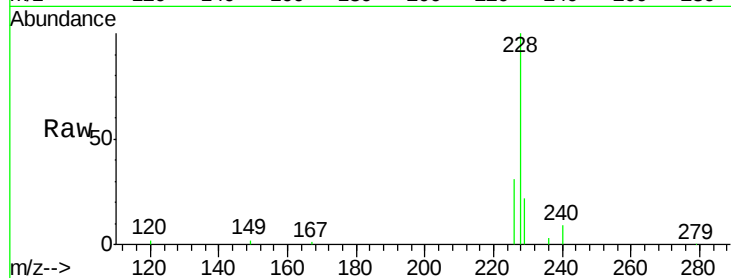
Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

ClientSampleId :

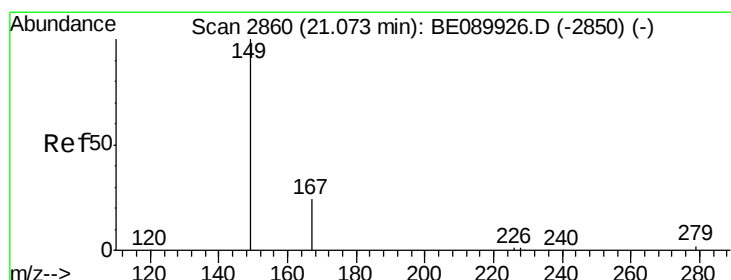
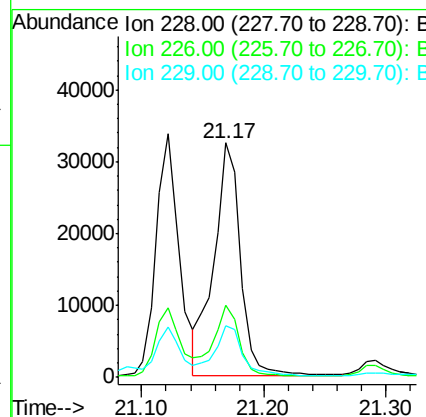
X1SS0620204-150624



Tgt Ion:	228	Resp:	49040
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.7	35.5
229	21.9	15.8	23.8

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#30

Bis(2-ethylhexyl)phthalate

Concen: 1.17 ng

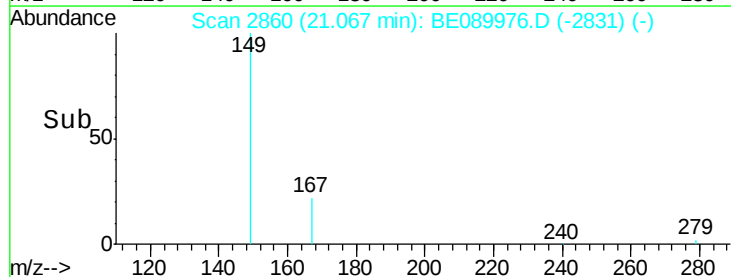
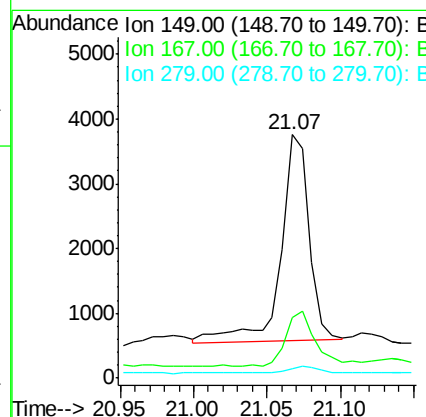
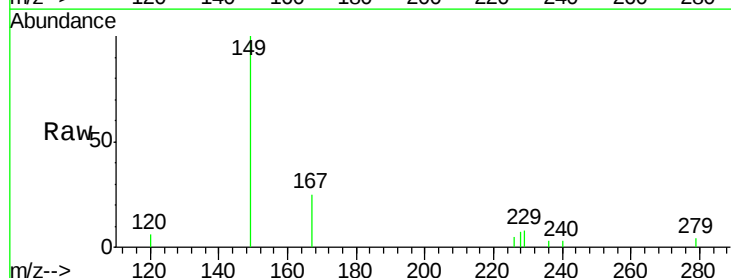
RT: 21.07 min Scan# 2860

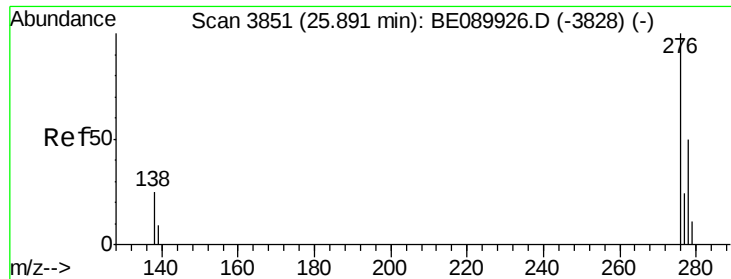
Delta R.T. -0.00 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Tgt Ion:	149	Resp:	4323
Ion Ratio	Lower	Upper	
149	100		
167	28.9	20.3	30.5
279	3.7	2.7	4.1





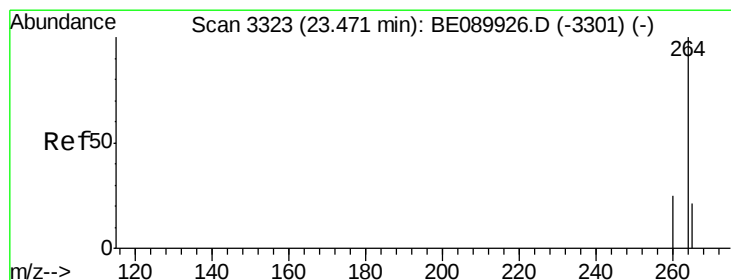
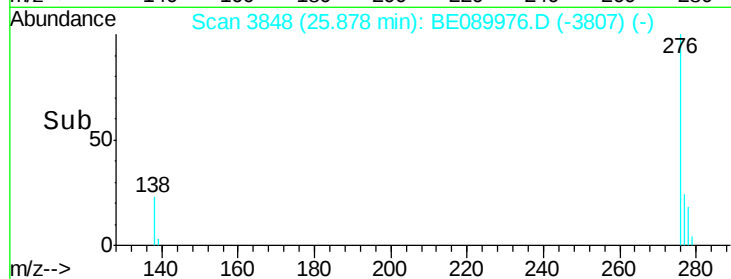
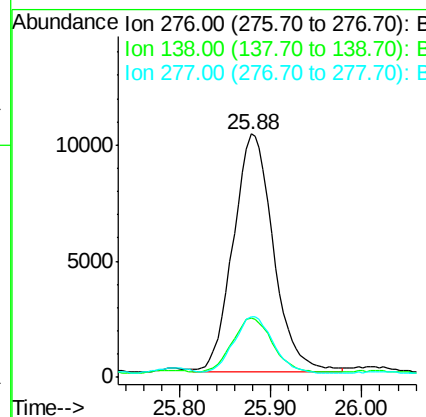
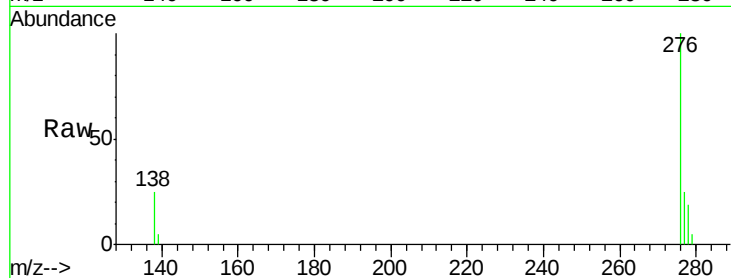
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.90 ng
 RT: 25.88 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BE089976.D
 Acq: 27 Jun 2015 14:43

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620204-150624

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.8	0.0	0.0#
277	23.3	0.0	0.0#

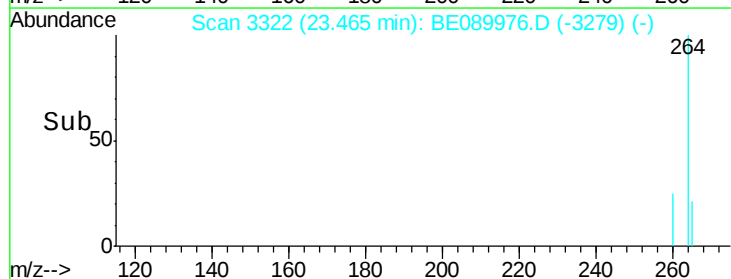
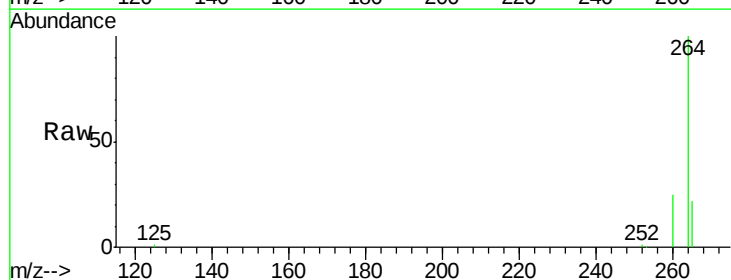
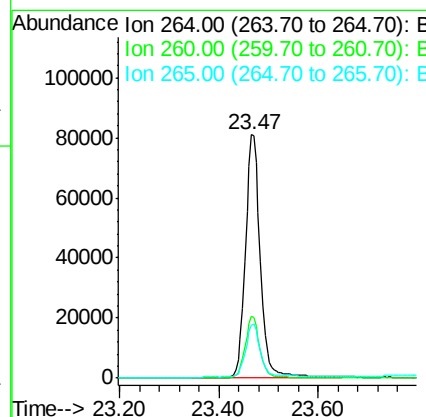
Manual Integrations
 APPROVED

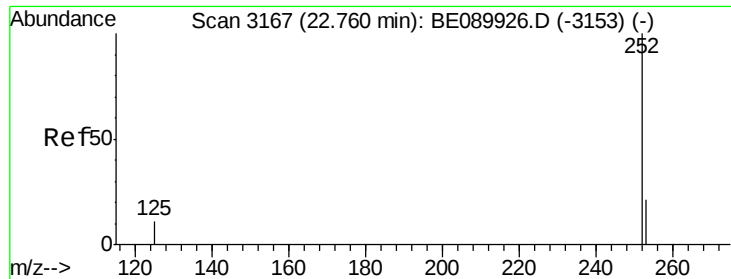
apatel
 6/29/2015 5:04:56 PM



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3322
 Delta R.T. -0.01 min
 Lab File: BE089976.D
 Acq: 27 Jun 2015 14:43

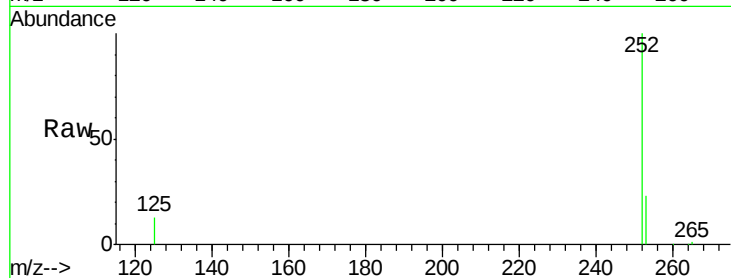
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.3	19.8	29.6
265	21.7	17.3	25.9





#33
Benzo(b)fluoranthene
Concen: 1.89 ng
RT: 22.76 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BE089976.D
Acq: 27 Jun 2015 14:43

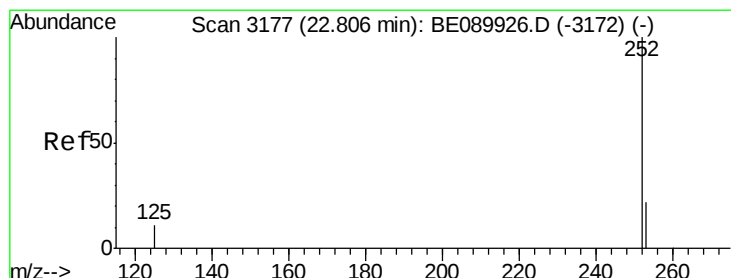
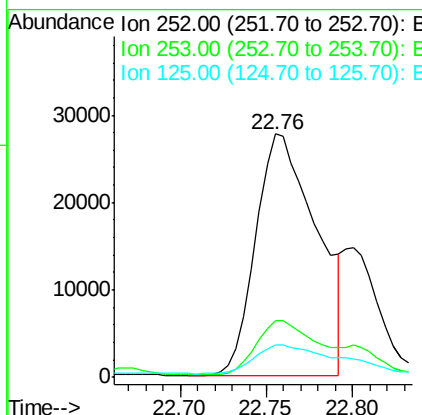
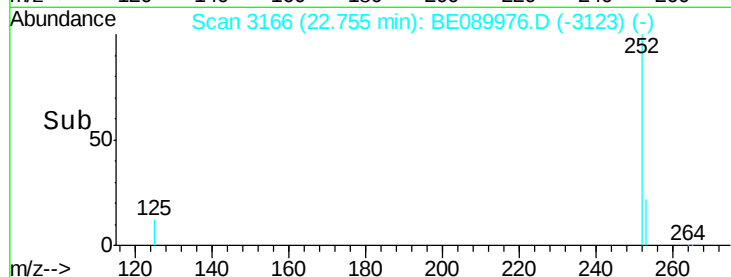
Instrument :
BNA_E
ClientSampleId :
X1SS0620204-150624



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	13.2	9.3	13.9

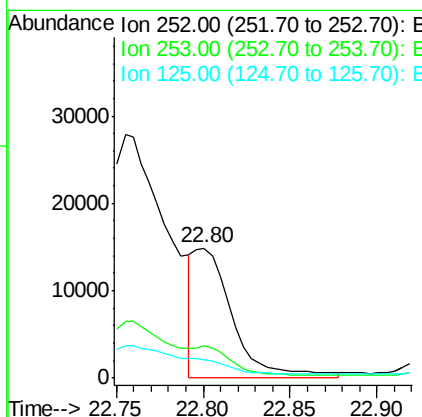
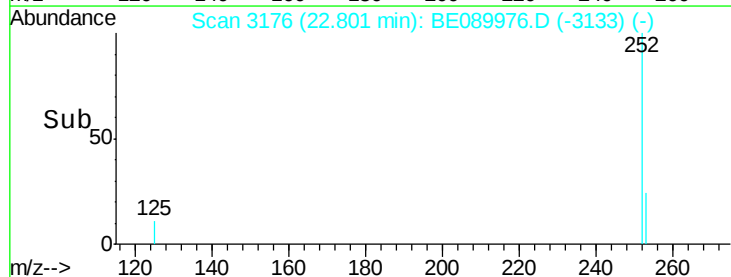
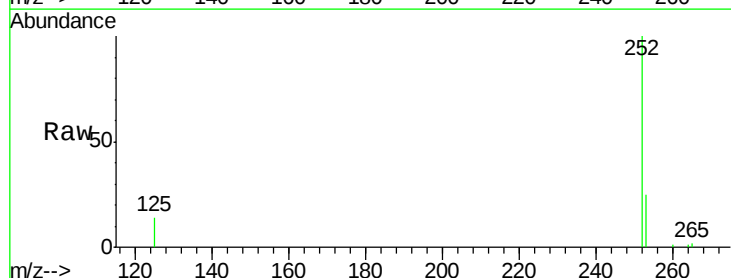
Manual Integrations
APPROVED

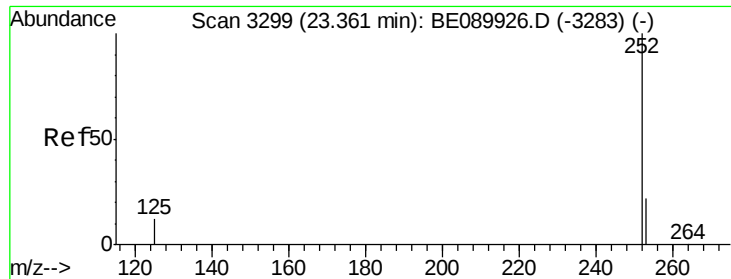
apatel
6/29/2015 5:04:56 PM



#34
Benzo(k)fluoranthene
Concen: 0.57 ng m
RT: 22.80 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BE089976.D
Acq: 27 Jun 2015 14:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	14.5	9.2	13.8





#35

Benzo(a)pyrene

Concen: 1.36 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089976.D

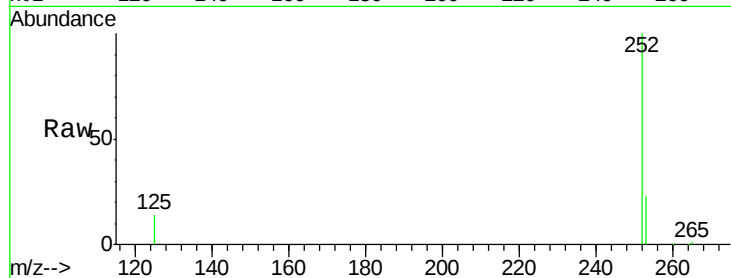
Acq: 27 Jun 2015 14:43

Instrument :

BNA_E

ClientSampleId :

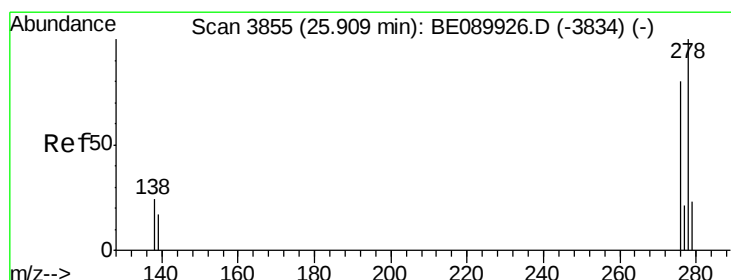
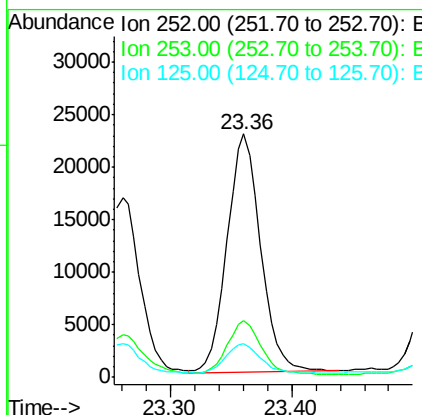
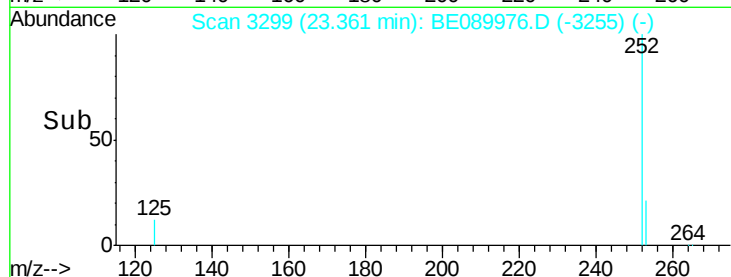
X1SS0620204-150624



Tgt Ion:	252	Resp:	43377
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	13.9	10.3	15.5

Manual Integrations
APPROVED

apatel
6/29/2015 5:04:56 PM



#36

Dibenzo(a,h)anthracene

Concen: 0.25 ng

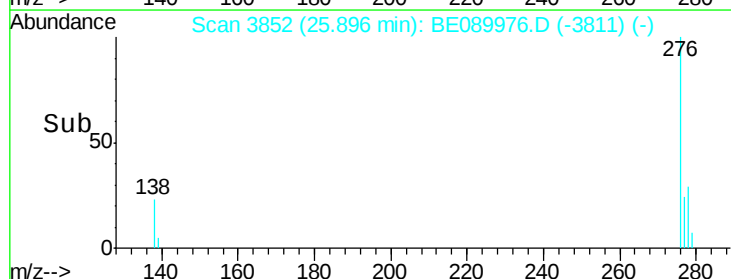
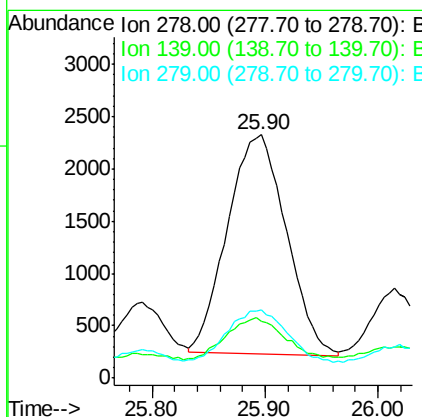
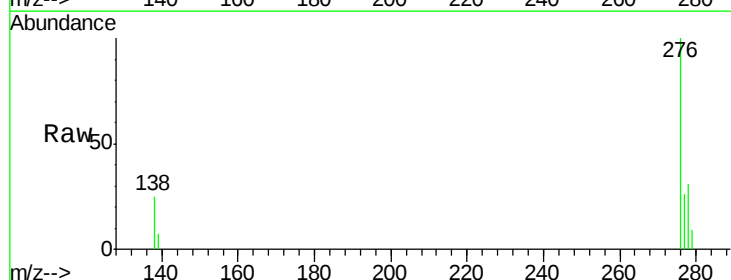
RT: 25.90 min Scan# 3852

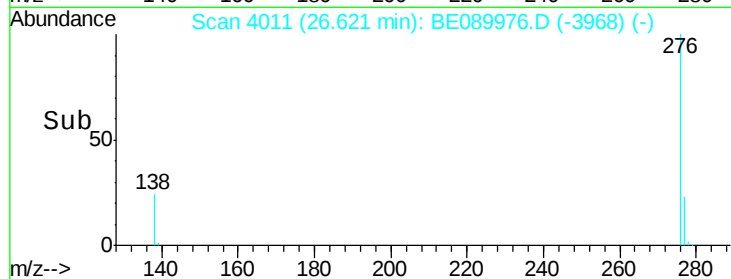
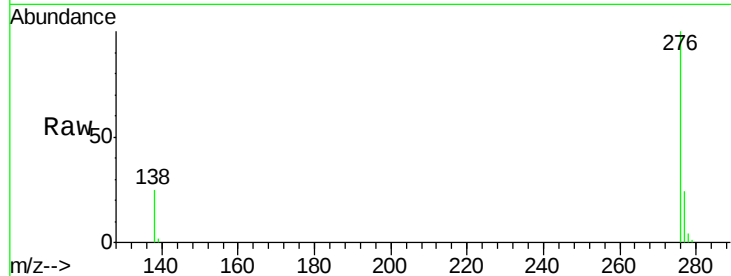
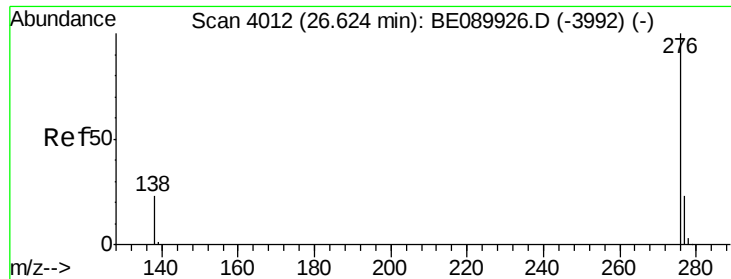
Delta R.T. -0.01 min

Lab File: BE089976.D

Acq: 27 Jun 2015 14:43

Tgt Ion:	278	Resp:	7477
Ion Ratio	Lower	Upper	
278	100		
139	23.4	14.1	21.1#
279	28.0	19.0	28.6





#37
 Benzo(g,h,i)perylene
 Concen: 1.09 ng
 RT: 26.62 min Scan# 4011
 Delta R.T. -0.00 min
 Lab File: BE089976.D
 Acq: 27 Jun 2015 14:43

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0620204-150624

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.2	19.0	28.4
138	24.8	18.8	28.2

Manual Integrations
 APPROVED

apatel
 6/29/2015 5:04:56 PM

