

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
 Data File : BE091472.D
 Acq On : 17 Mar 2016 18:30
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
 APPROVED

UMANGI
 3/18/2016 6:10:48 PM

Quant Time: Mar 18 03:09:57 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 02:38:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	59629	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	273725	5.00	ng	0.00
10) Acenaphthene-d10	14.44	164	163389	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	412741	5.00	ng	0.00
22) Chrysene-d12	21.34	240	565647	5.00	ng	0.00
28) Perylene-d12	23.81	264	501363	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	10264	0.95	ng	0.00
5) Phenol-d6	6.99	99	13005	1.02	ng	0.00
7) Nitrobenzene-d5	8.98	82	8740	0.75	ng	0.00
11) 2,4,6-Tribromophenol	15.93	330	3109m	0.71	ng	0.00
12) 2-Fluorobiphenyl	13.07	172	31811	0.70	ng	0.00
24) Terphenyl-d14	19.80	244	52170	0.74	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	5347	0.79	ng	95
3) n-Nitrosodimethylamine	3.68	42	7751	1.52	ng	99
8) Naphthalene	10.65	128	51322	0.70	ng	99
9) 2-Methylnaphthalene	12.27	142	32868	0.71	ng	99
13) Acenaphthylene	14.16	152	49119	0.61	ng	97
14) Acenaphthene	14.50	154	38636	0.66	ng	98
15) Fluorene	15.49	166	48874	0.73	ng	99
17) Hexachlorobenzene	16.48	284	13599	0.52	ng	97
18) Pentachlorophenol	16.83	266	4672	1.83	ng	98
19) Phenanthrene	17.22	178	89237	0.69	ng	99
20) Anthracene	17.31	178	75238	0.66	ng	100
21) Fluoranthene	19.22	202	98200	0.71	ng	100
23) Pyrene	19.59	202	104626	0.50	ng	99
25) Benzo(a)anthracene	21.31	228	114246m	0.61	ng	
26) Chrysene	21.38	228	114518m	0.58	ng	
27) Indeno(1,2,3-cd)pyrene	26.40	276	121936	0.77	ng	100
29) Benzo(b)fluoranthene	23.04	252	117965	0.65	ng	98
30) Benzo(k)fluoranthene	23.09	252	118478	0.66	ng	95
31) Benzo(a)pyrene	23.69	252	102019	0.66	ng	97
32) Dibenzo(a,h)anthracene	26.42	278	101188	0.78	ng	99
33) Benzo(g,h,i)perylene	27.18	276	107029	0.73	ng	99

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

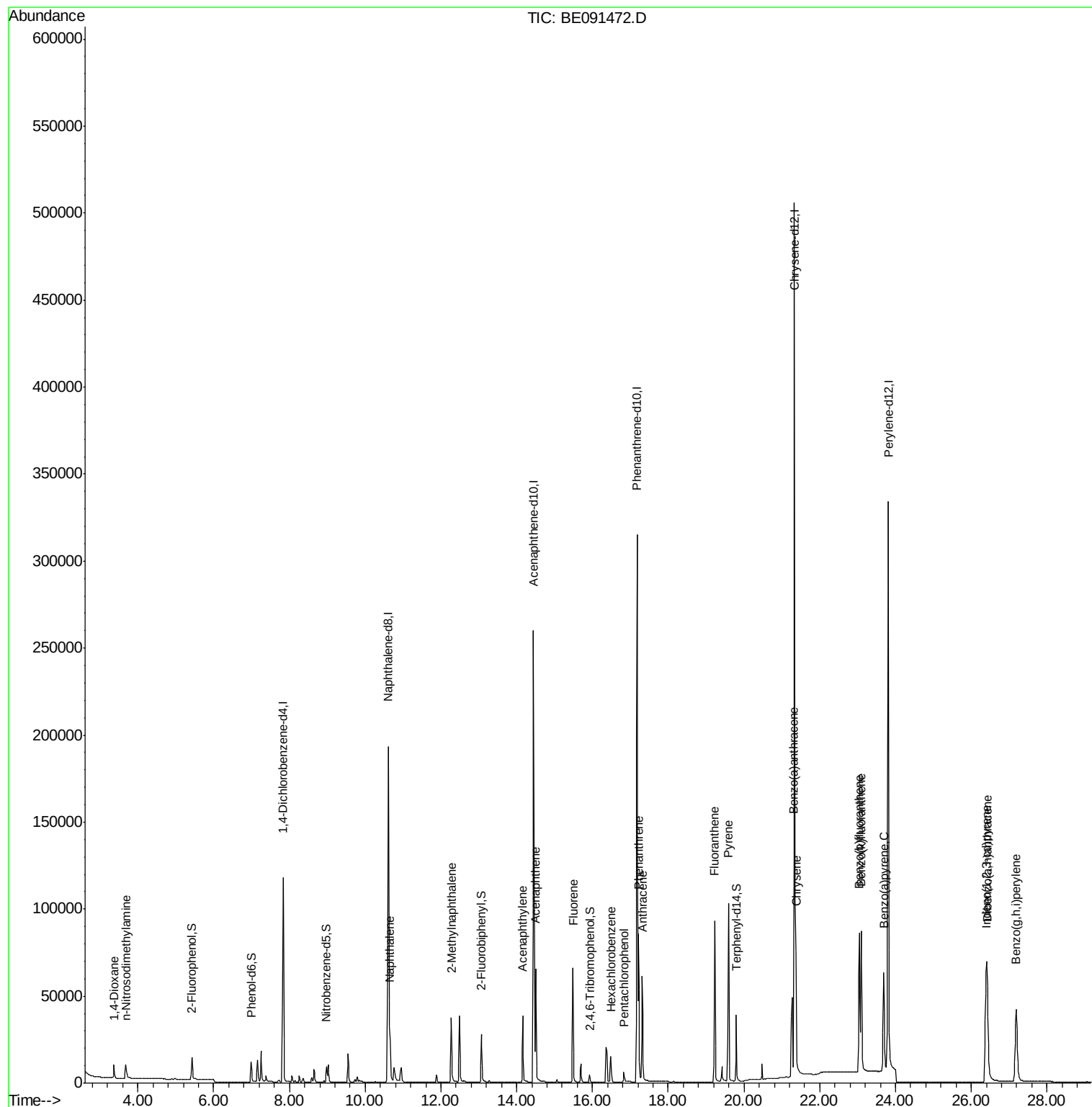
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
Data File : BE091472.D
Acq On : 17 Mar 2016 18:30
Operator : UM/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

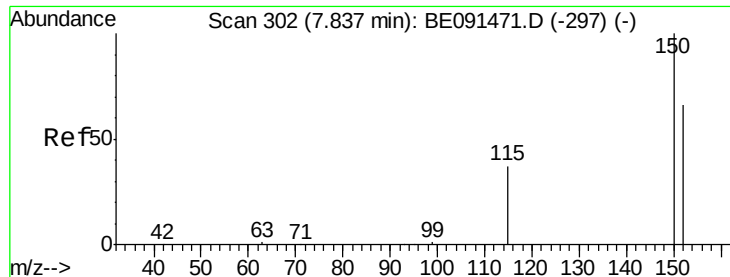
Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM

Quant Time: Mar 18 03:09:57 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 02:38:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. -0.00 min

Lab File: BE091472.D

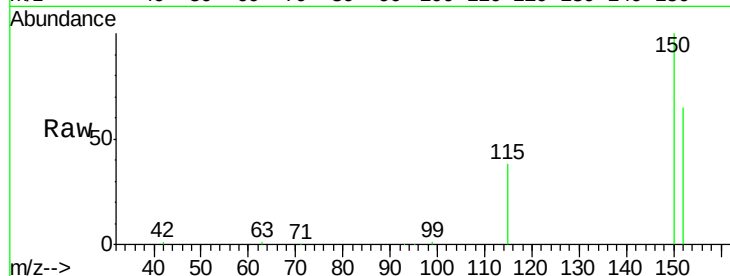
Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

ClientSampleId :

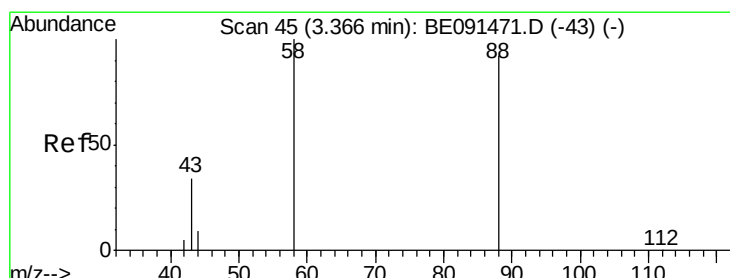
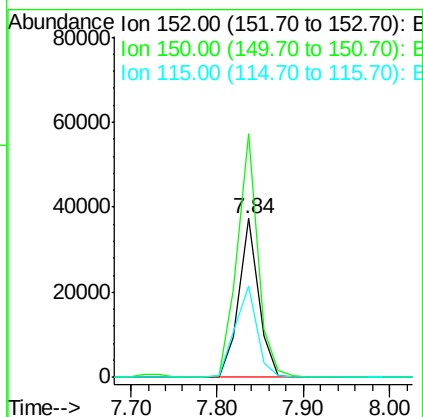
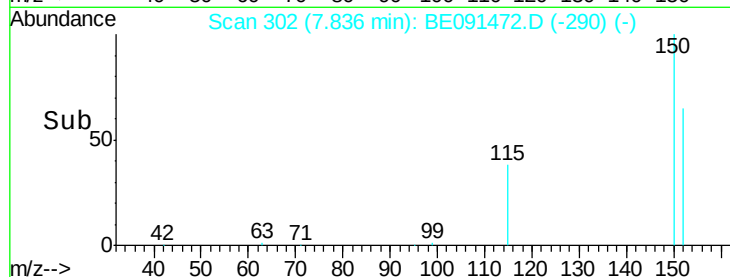
SSTDIC0.8



Tgt Ion:	152	Resp:	59629
Ion Ratio	Lower	Upper	
152	100		
150	153.2	122.2	183.2
115	57.8	45.9	68.9

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#2

1,4-Dioxane

Concen: 0.79 ng

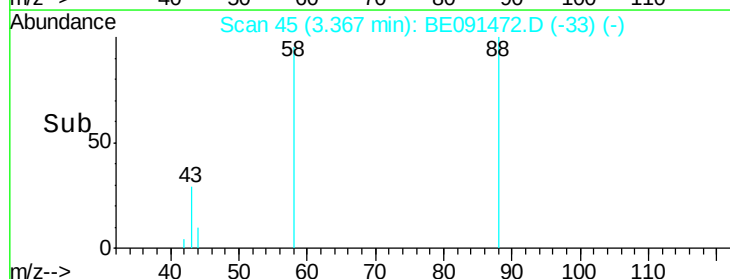
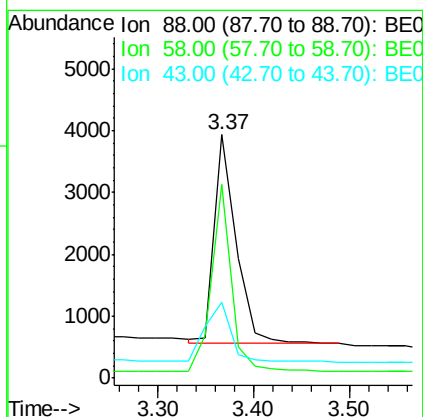
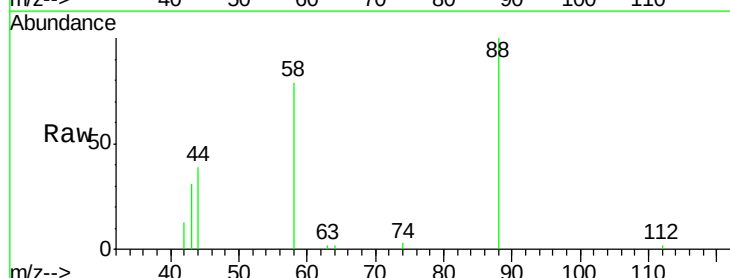
RT: 3.37 min Scan# 45

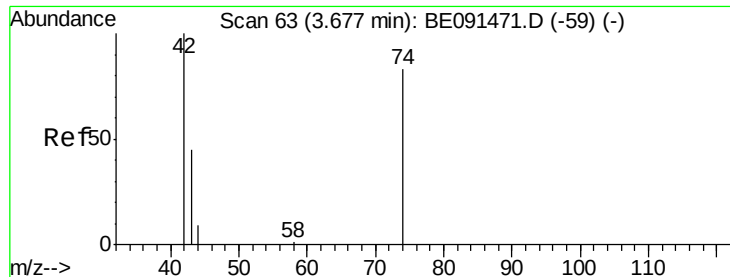
Delta R.T. 0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	88	Resp:	5347
Ion Ratio	Lower	Upper	
88	100		
58	80.3	61.0	91.6
43	34.3	25.4	38.2





#3

n-Nitrosodimethylamine

Concen: 1.52 ng

RT: 3.68 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

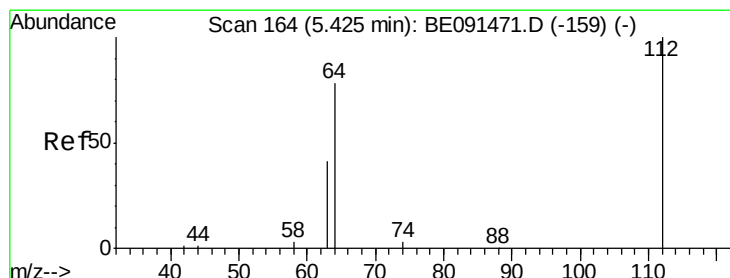
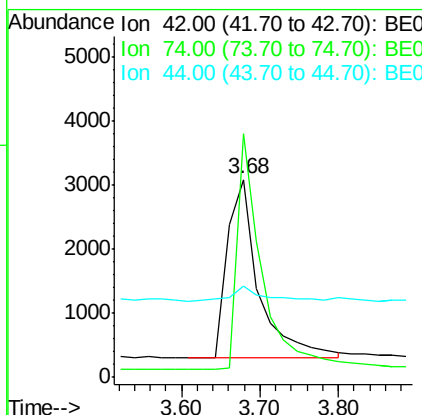
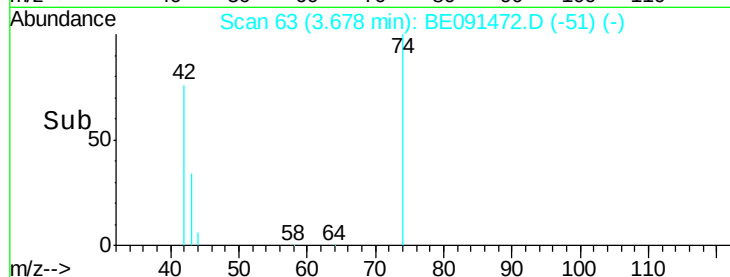
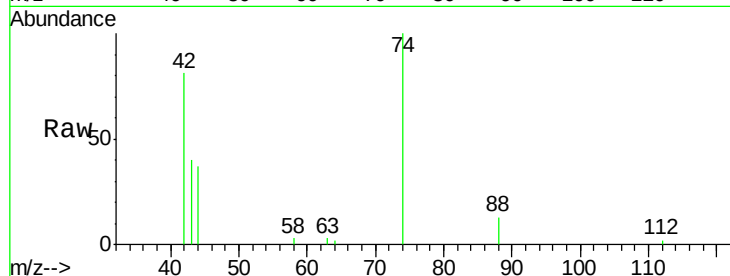
ClientSampleId :

SSTDIC0.8

Tgt Ion:	42	Resp:	7751
Ion	Ratio	Lower	Upper
42	100		
74	104.3	84.3	126.5
44	8.9	6.7	10.1

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#4

2-Fluorophenol

Concen: 0.95 ng

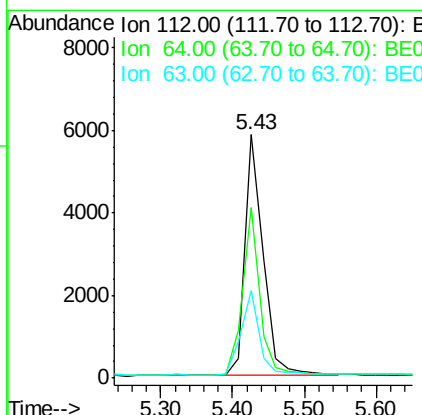
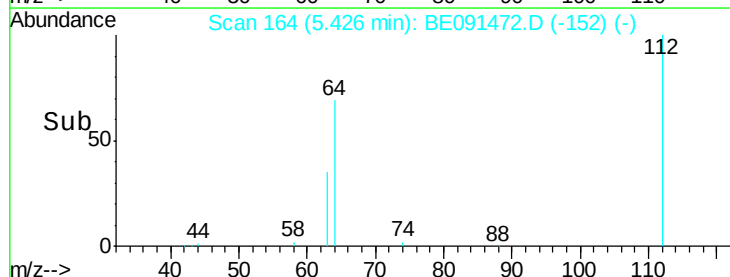
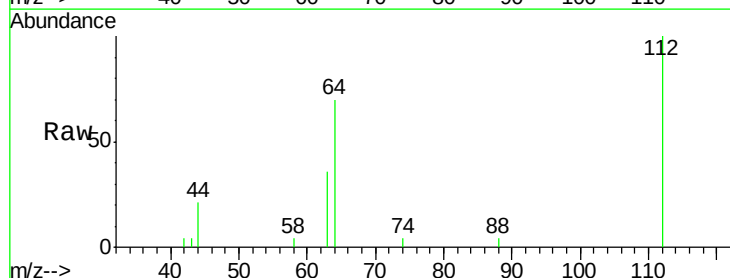
RT: 5.43 min Scan# 164

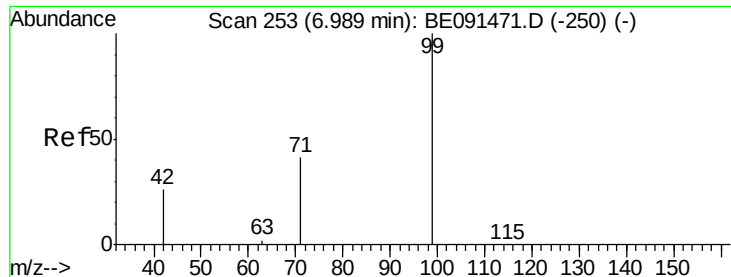
Delta R.T. 0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	112	Resp:	10264
Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.3	79.9
63	35.0	29.8	44.8





#5

Phenol-d6

Concen: 1.02 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

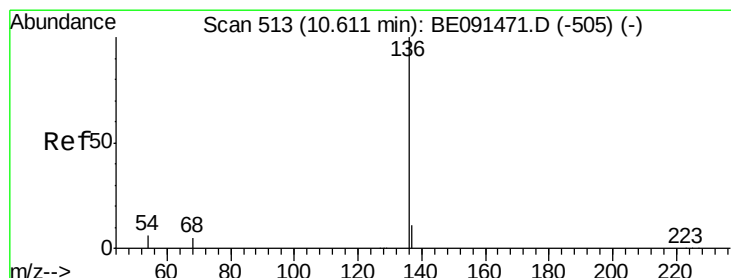
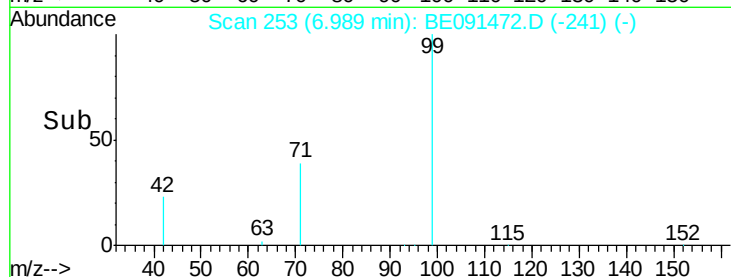
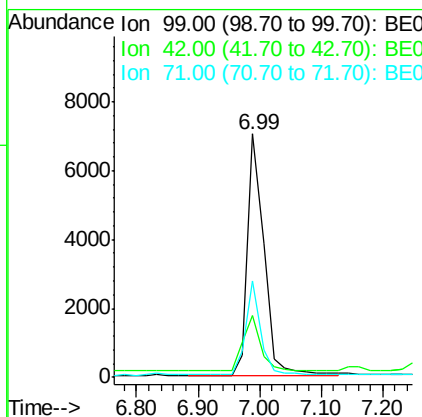
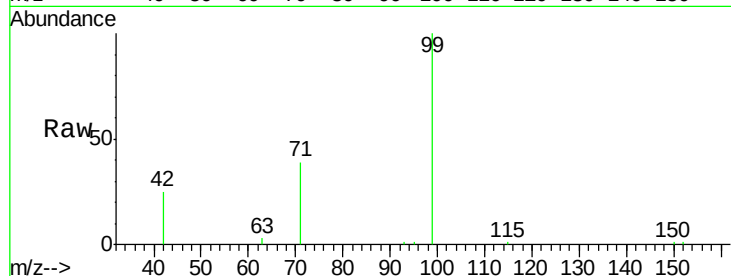
ClientSampleId :

SSTDIC0.8

Tgt Ion:	99	Resp:	13005
Ion Ratio	Lower	Upper	
99	100		
42	25.2	20.6	30.8
71	35.6	29.0	43.4

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#6

Naphthalene-d8

Concen: 5.00 ng

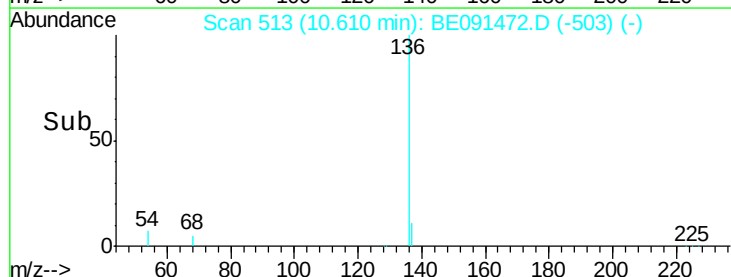
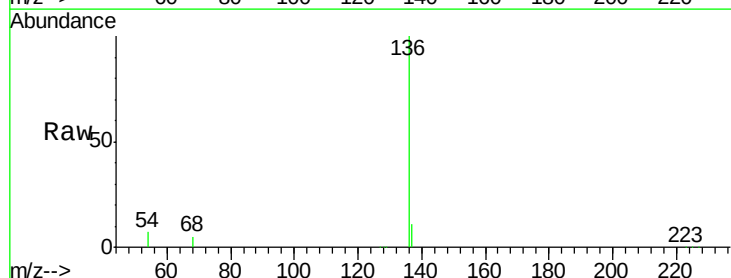
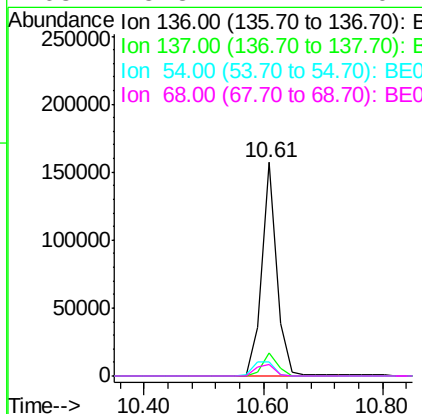
RT: 10.61 min Scan# 513

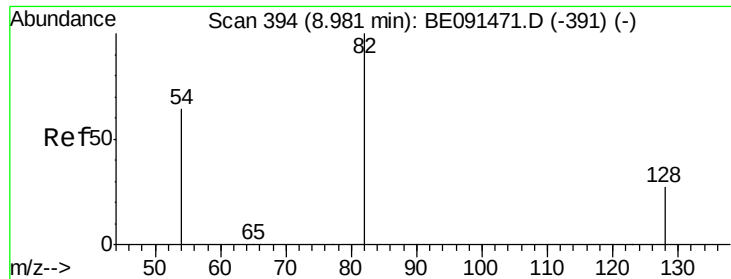
Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	136	Resp:	273725
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	6.8	5.2	7.8
68	5.3	4.1	6.1





#7

Nitrobenzene-d5

Concen: 0.75 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE091472.D

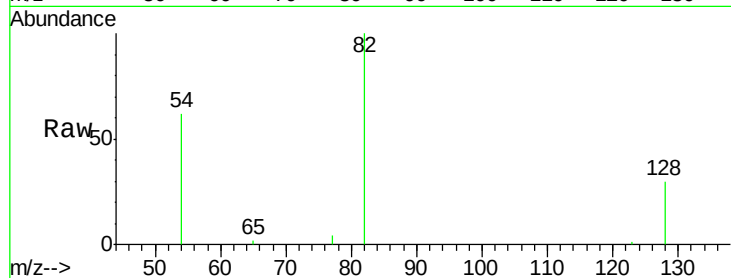
Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

ClientSampleId :

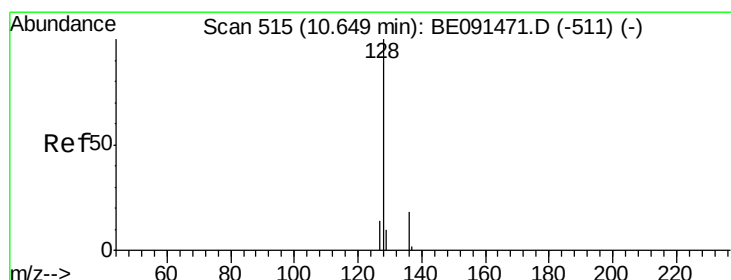
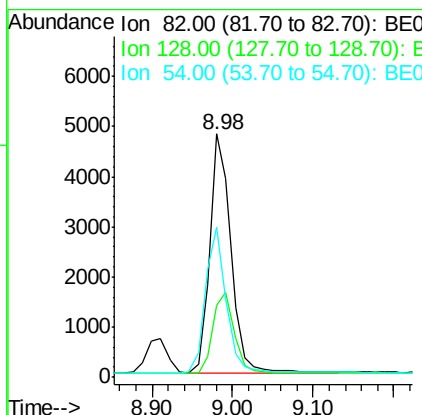
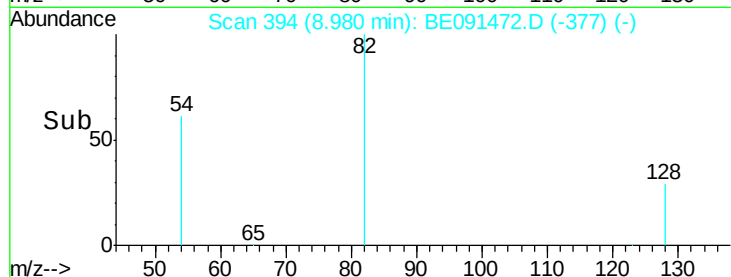
SSTDIC0.8



Tgt Ion:	82	Resp:	8740
Ion	Ratio	Lower	Upper
82	100		
128	29.8	23.5	35.3
54	61.5	52.4	78.6

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#8

Naphthalene

Concen: 0.70 ng

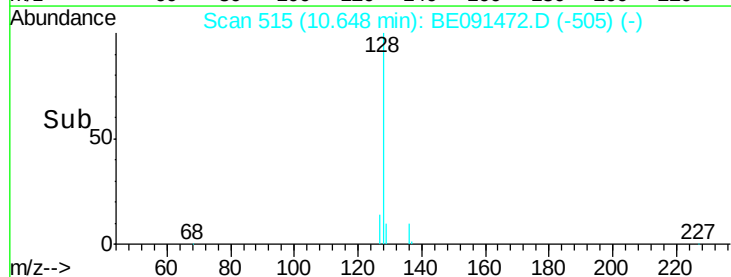
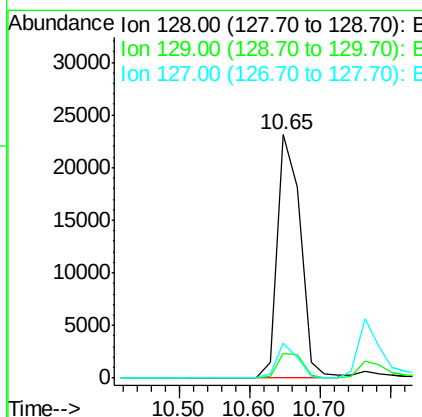
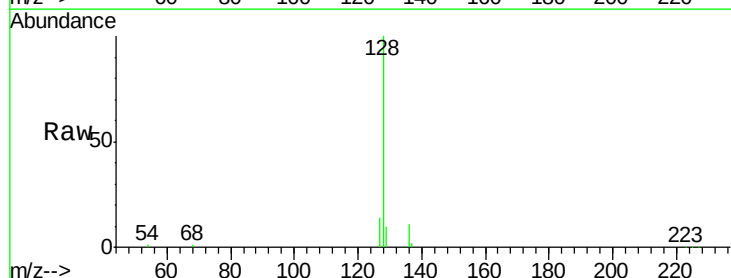
RT: 10.65 min Scan# 515

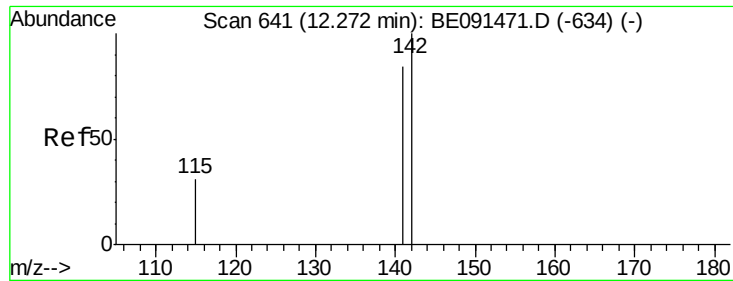
Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	128	Resp:	51322
Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.2	12.2
127	14.4	11.8	17.8





#9

2-Methylnaphthalene

Concen: 0.71 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

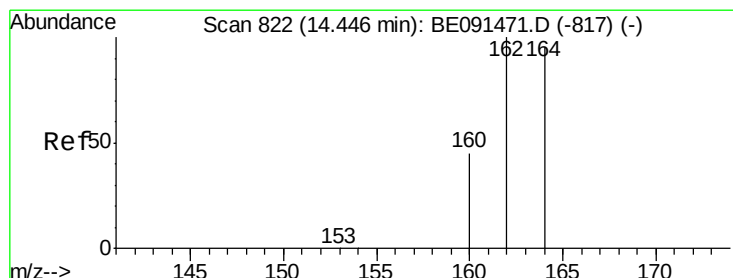
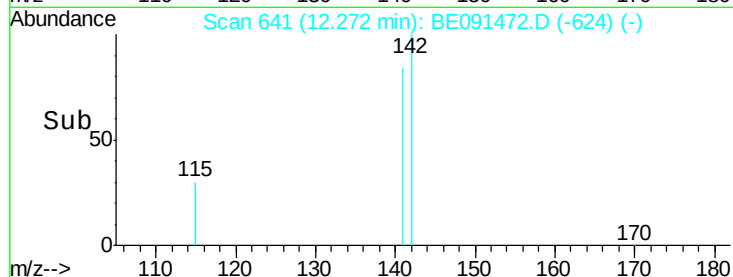
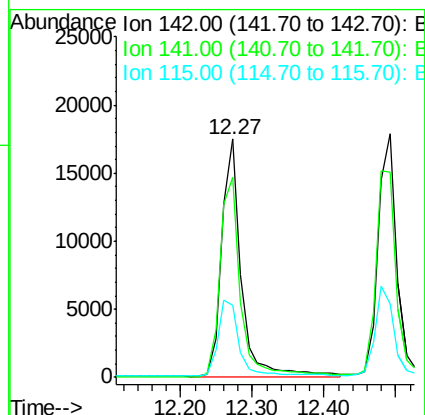
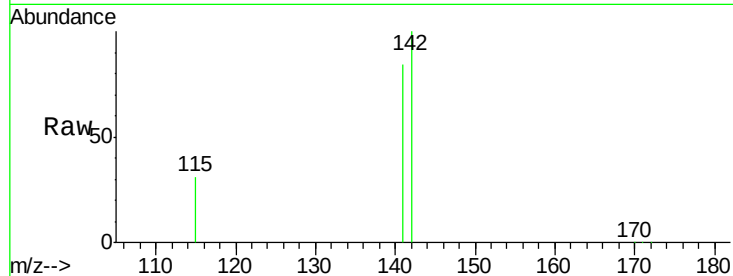
ClientSampleId :

SSTDIC0.8

Tgt Ion:	142	Resp:	32868
Ion Ratio	Lower	Upper	
142	100		
141	84.2	66.9	100.3
115	30.6	25.1	37.7

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#10

Acenaphthene-d10

Concen: 5.00 ng

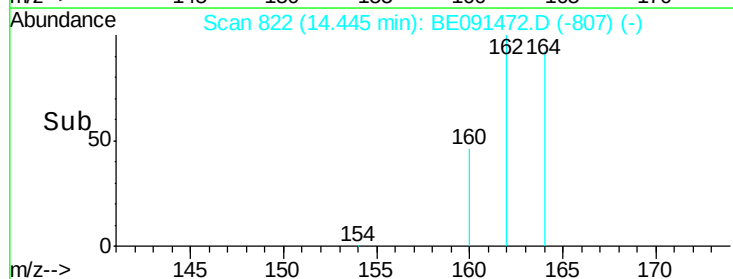
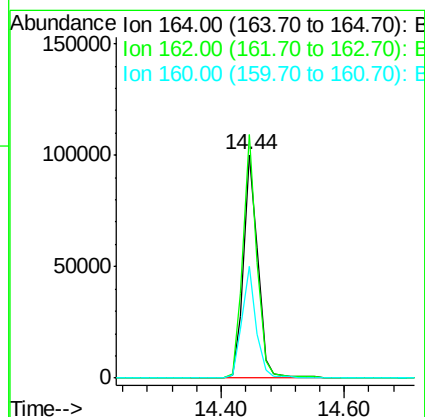
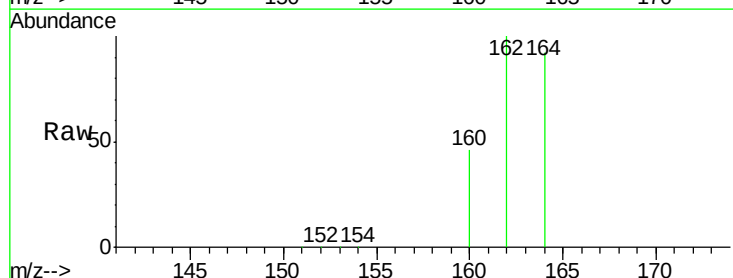
RT: 14.44 min Scan# 822

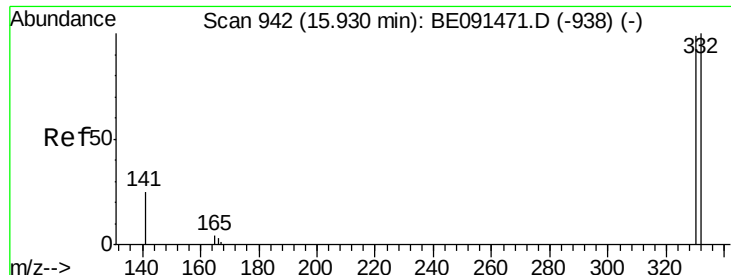
Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	164	Resp:	163389
Ion Ratio	Lower	Upper	
164	100		
162	109.1	84.4	126.6
160	49.8	37.7	56.5





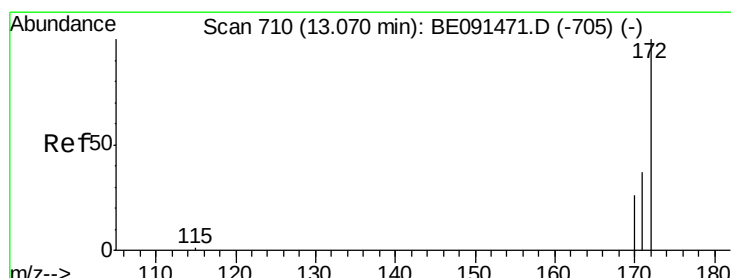
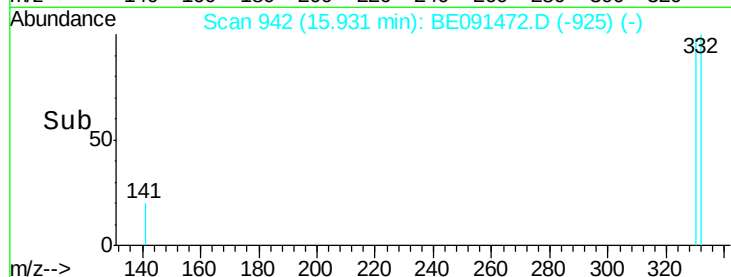
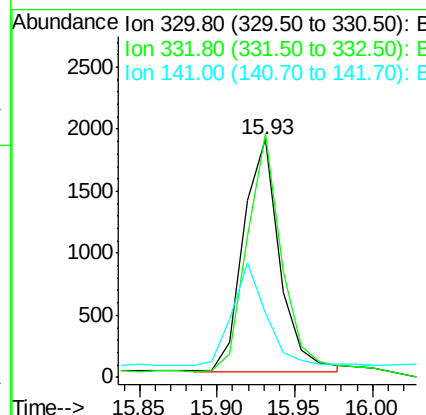
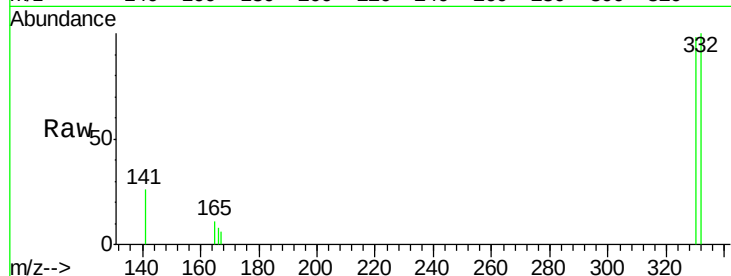
#11
 2,4,6-Tribromophenol
 Concen: 0.71 ng m
 RT: 15.93 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
330	100		
332	127.4	79.2	118.8#
141	41.4	28.1	42.1

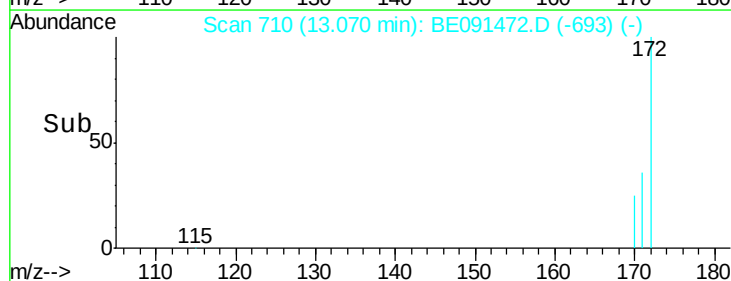
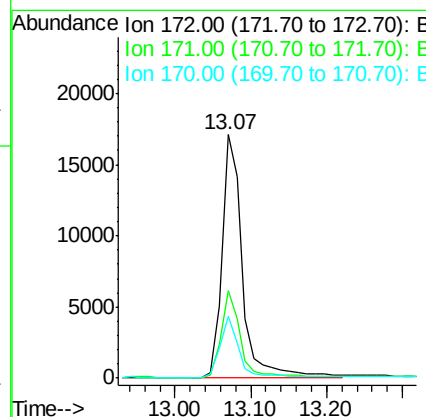
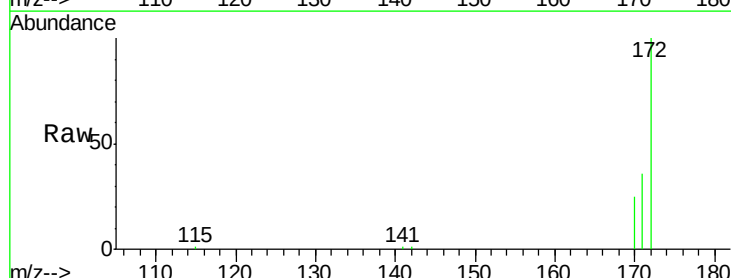
Manual Integrations
 APPROVED

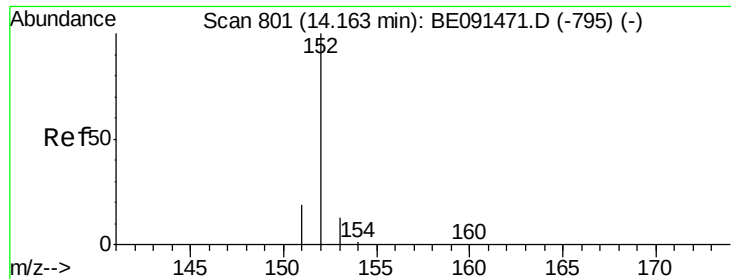
UMANGI
 3/18/2016 6:10:48 PM



#12
 2-Fluorobiphenyl
 Concen: 0.70 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.8
170	25.4	21.4	32.2





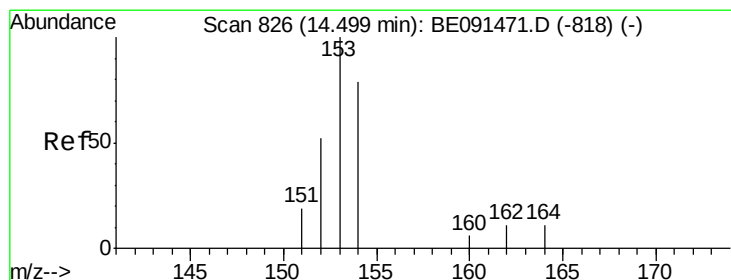
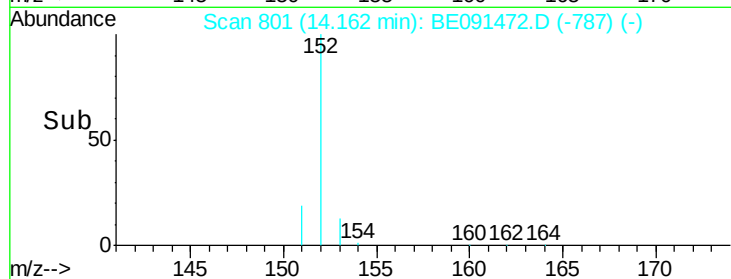
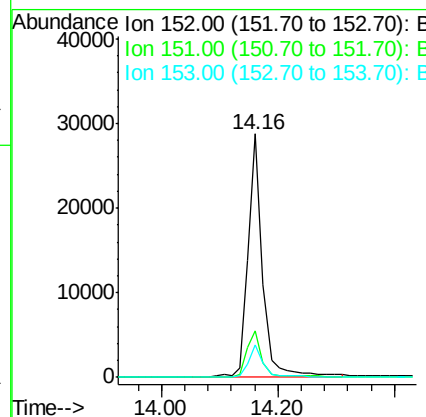
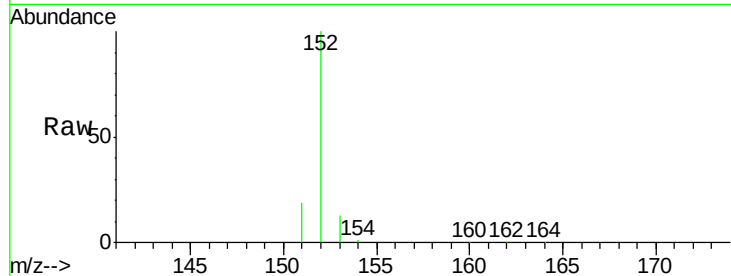
#13
Acenaphthylene
Concen: 0.61 ng
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	16.3	11.1	16.7

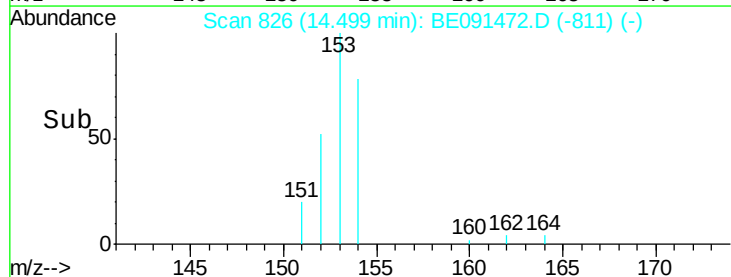
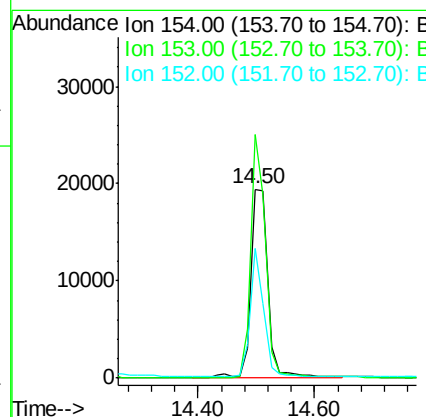
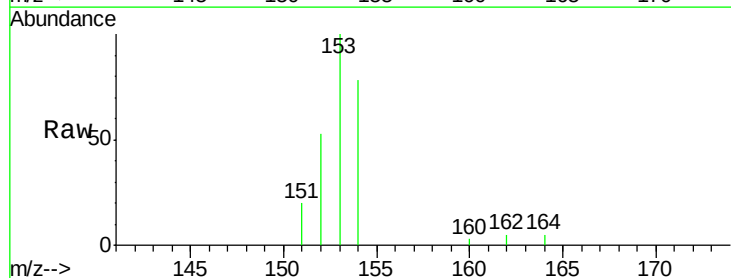
Manual Integrations
APPROVED

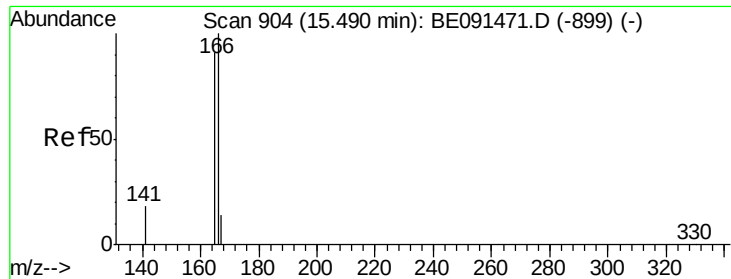
UMANGI
3/18/2016 6:10:48 PM



#14
Acenaphthene
Concen: 0.66 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.2	87.3	130.9
152	54.0	42.9	64.3





#15

Fluorene

Concen: 0.73 ng

RT: 15.49 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE091472.D

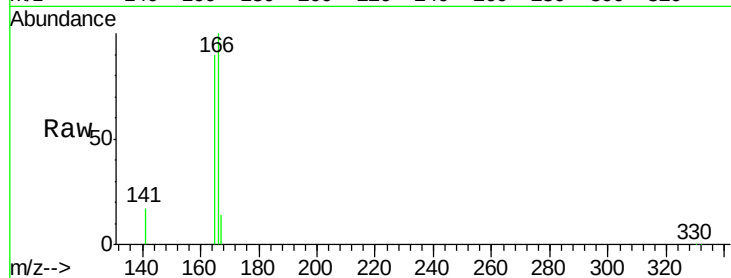
Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

ClientSampleId :

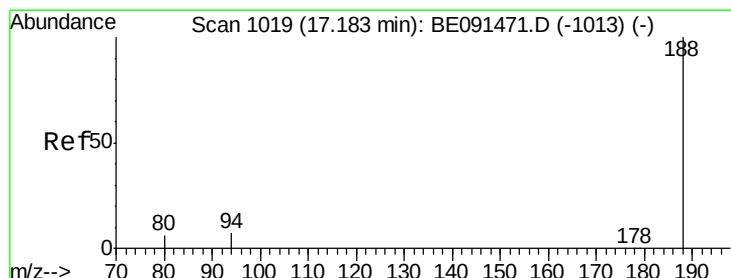
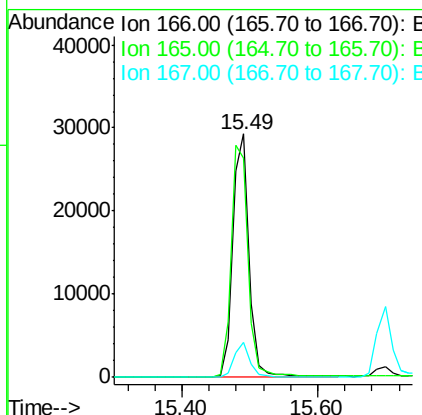
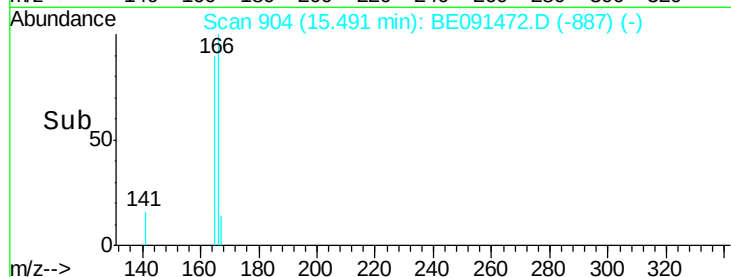
SSTDICC0.8



Tgt Ion:	166	Resp:	48874
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.2	118.8
167	13.3	10.8	16.2

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#16

Phenanthrene-d10

Concen: 5.00 ng

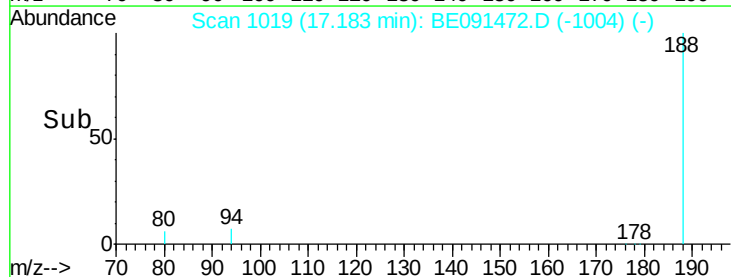
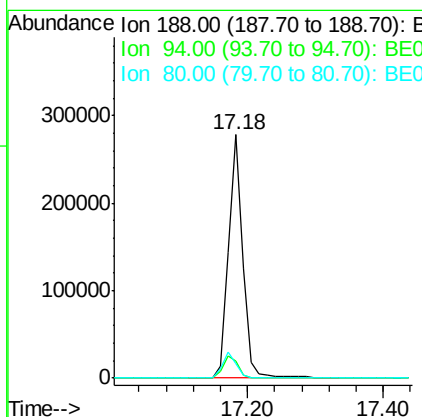
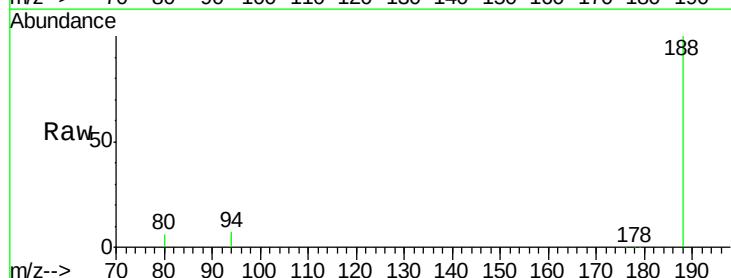
RT: 17.18 min Scan# 1019

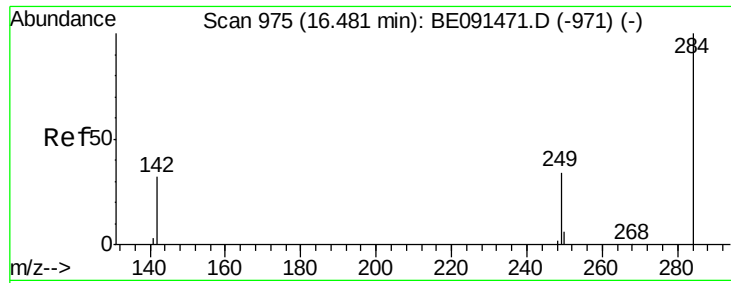
Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	188	Resp:	412741
Ion Ratio	Lower	Upper	
188	100		
94	6.8	5.4	8.2
80	6.2	5.0	7.4





#17

Hexachlorobenzene

Concen: 0.52 ng

RT: 16.48 min Scan# 975

Delta R.T. 0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

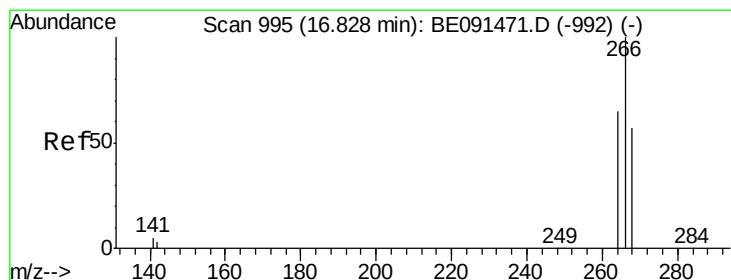
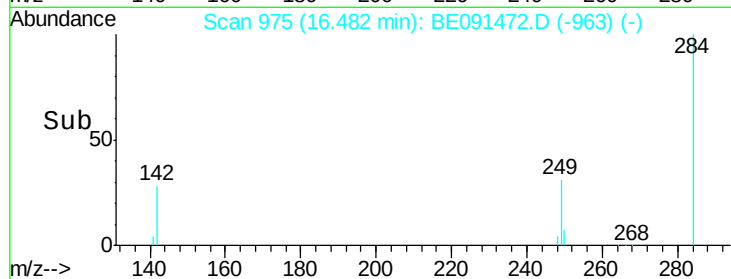
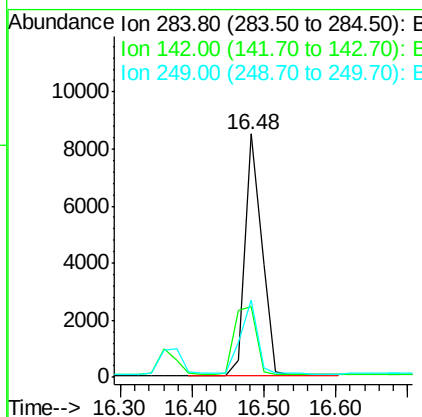
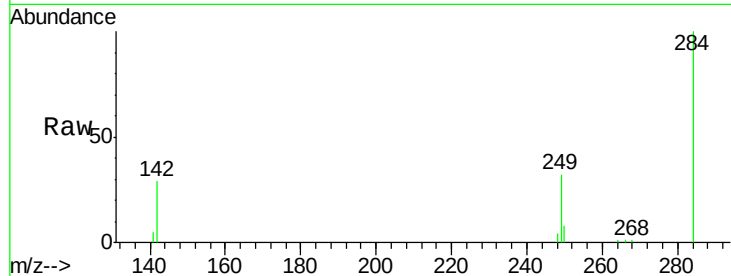
ClientSampleId :

SSTDICC0.8

Tgt Ion:	284	Resp:	13599
Ion Ratio	Lower	Upper	
284	100		
142	37.3	31.0	46.4
249	30.6	25.8	38.8

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#18

Pentachlorophenol

Concen: 1.83 ng

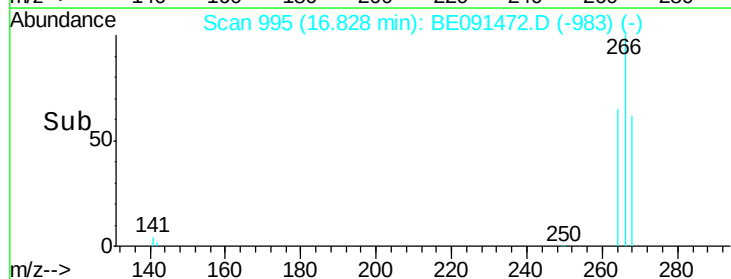
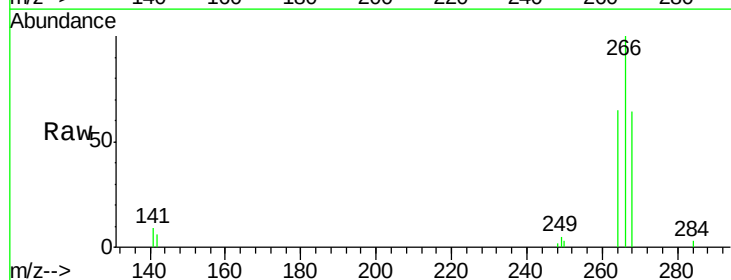
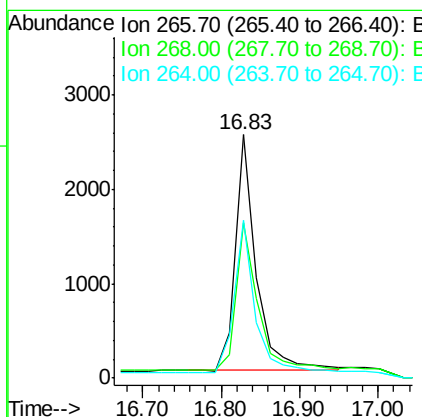
RT: 16.83 min Scan# 995

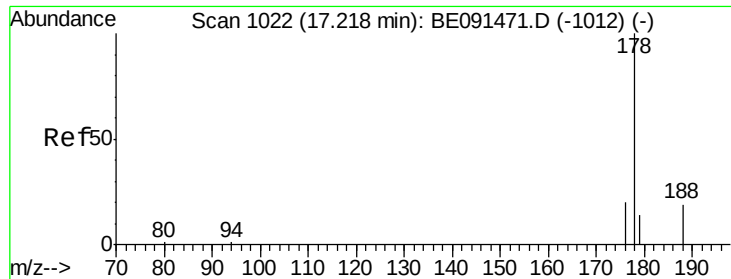
Delta R.T. 0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	266	Resp:	4672
Ion Ratio	Lower	Upper	
266	100		
268	63.6	48.2	72.2
264	64.9	52.1	78.1





#19

Phenanthrene

Concen: 0.69 ng

RT: 17.22 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BE091472.D

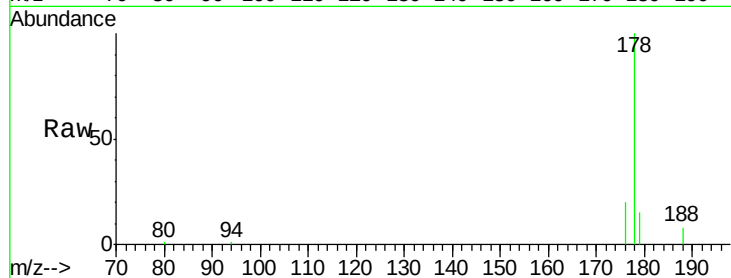
Acq: 17 Mar 2016 18:30

Instrument :

BNA_E

ClientSampleId :

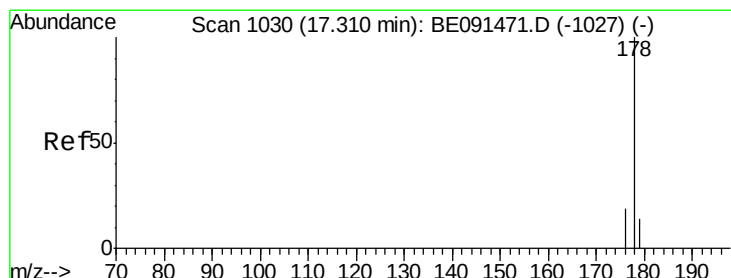
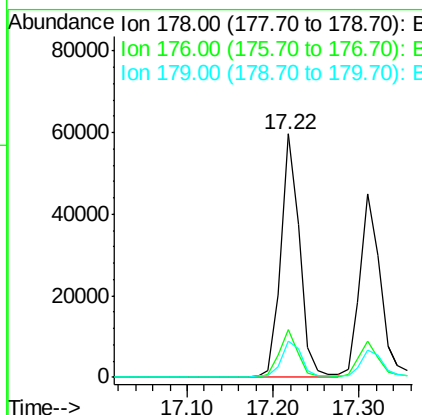
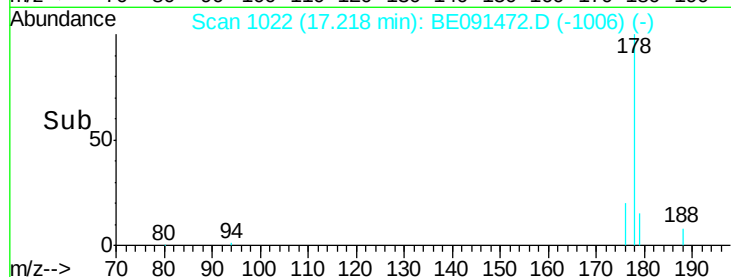
SSTDIC0.8



Tgt Ion:	178	Resp:	89237
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.9	13.1	19.7

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM



#20

Anthracene

Concen: 0.66 ng

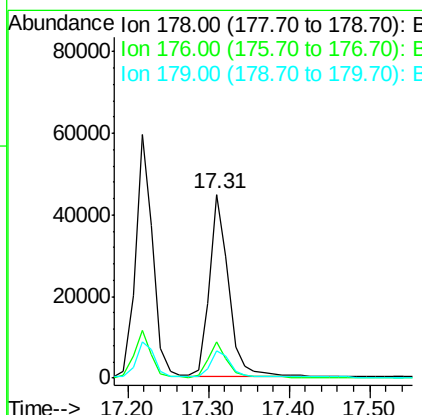
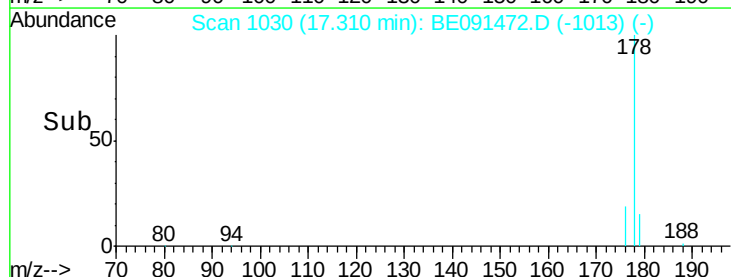
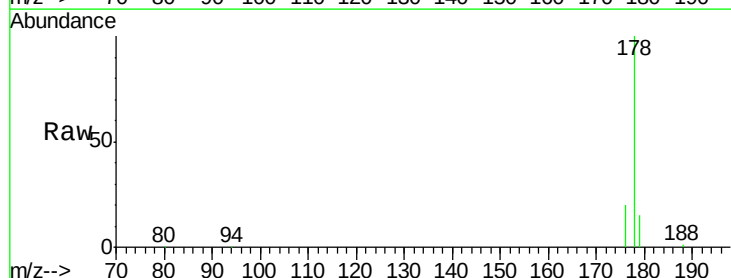
RT: 17.31 min Scan# 1030

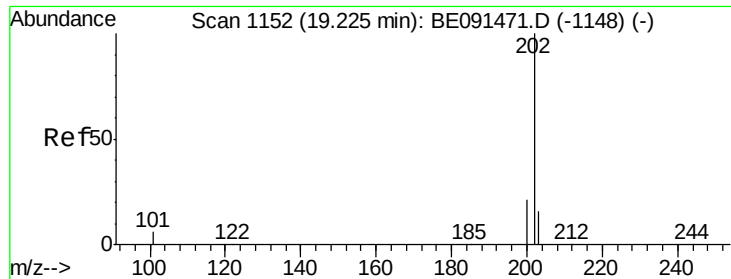
Delta R.T. -0.00 min

Lab File: BE091472.D

Acq: 17 Mar 2016 18:30

Tgt Ion:	178	Resp:	75238
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.2	12.2	18.4





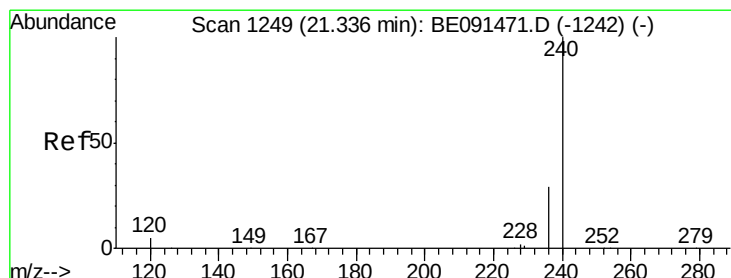
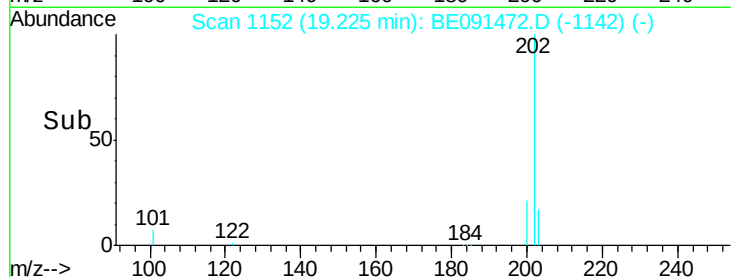
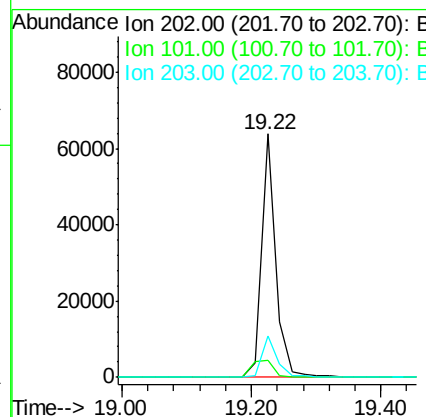
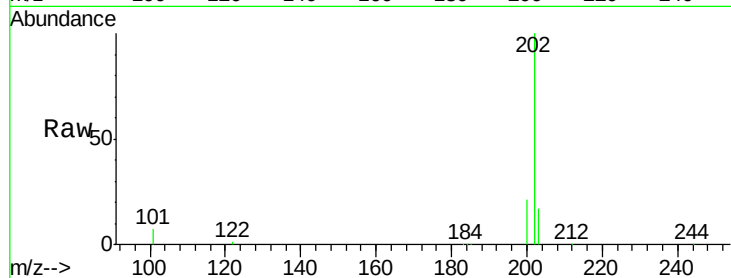
#21
 Fluoranthene
 Concen: 0.71 ng
 RT: 19.22 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.6	8.3	12.5
203	17.6	13.9	20.9

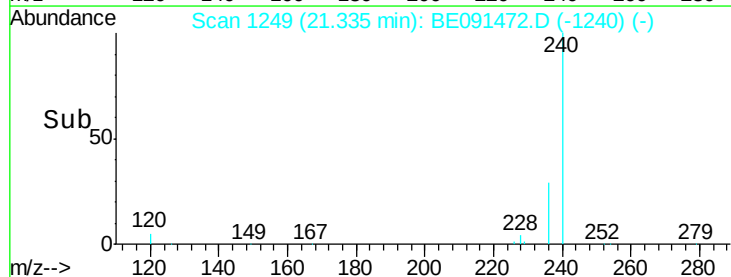
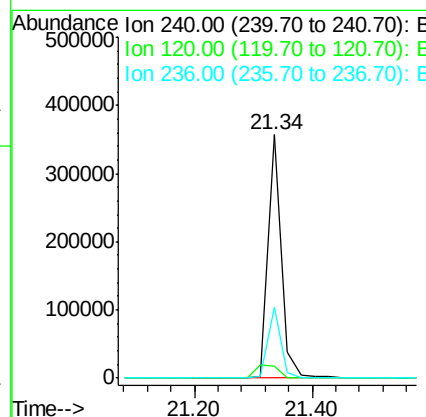
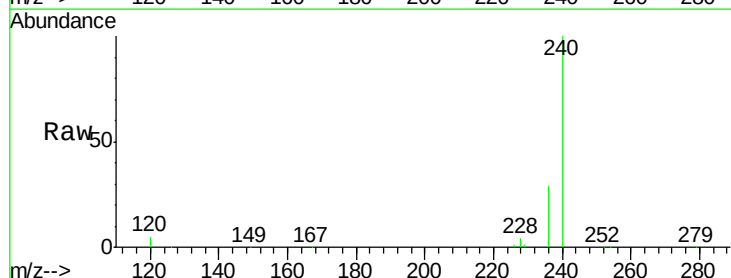
Manual Integrations
 APPROVED

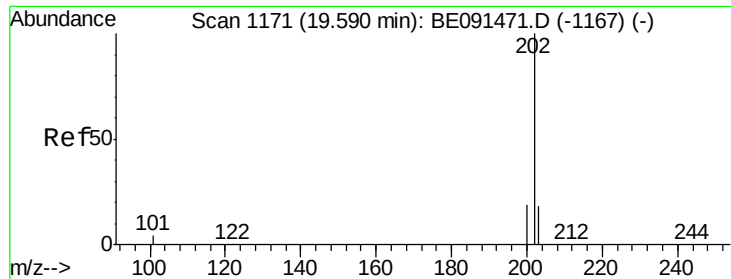
UMANGI
 3/18/2016 6:10:48 PM



#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.1	4.0	6.0
236	29.2	23.0	34.4





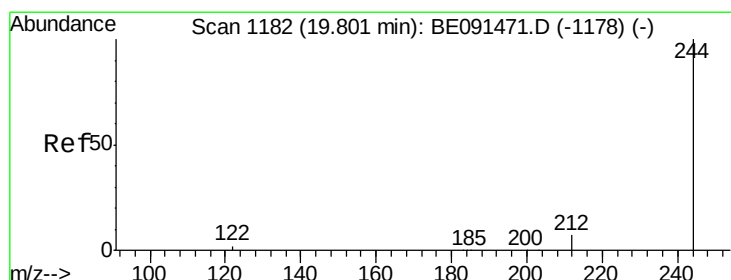
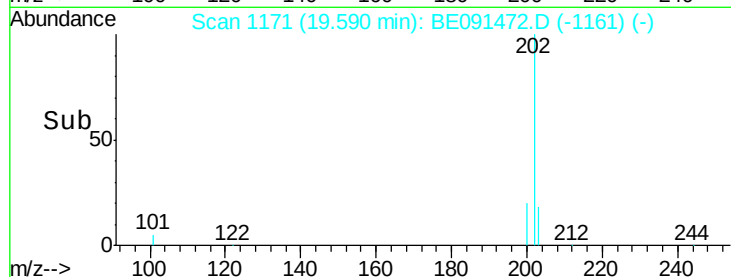
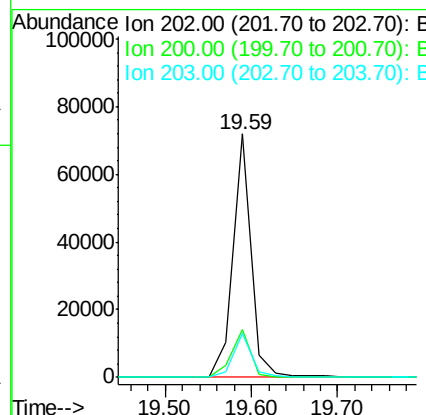
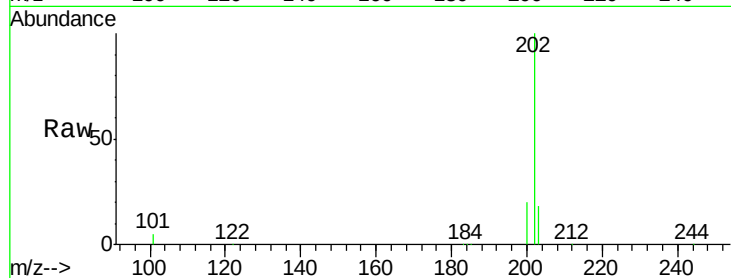
#23
 Pyrene
 Concen: 0.50 ng
 RT: 19.59 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.4	24.6	
203	17.9	14.6	21.8	

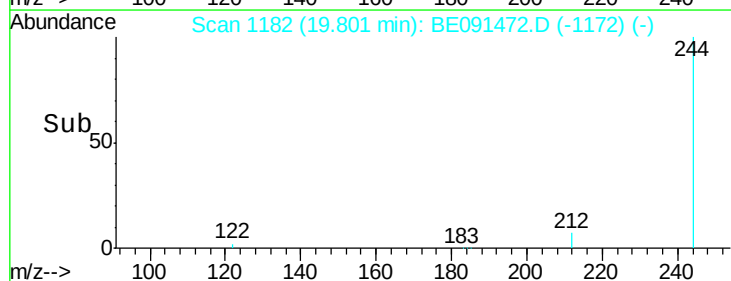
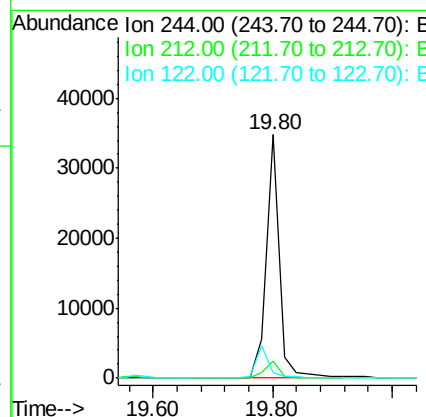
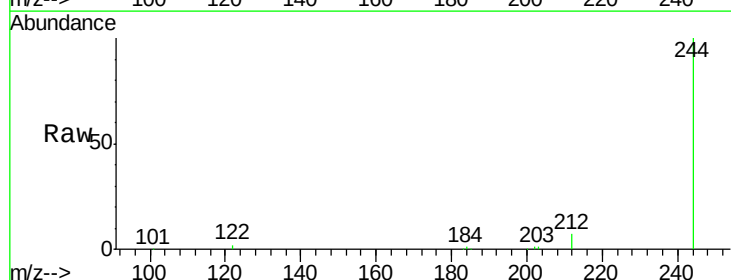
Manual Integrations
 APPROVED

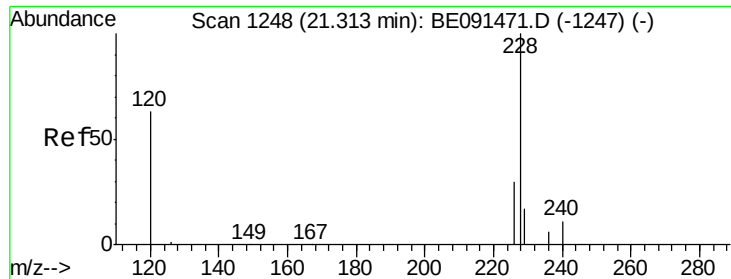
UMANGI
 3/18/2016 6:10:48 PM



#24
 Terphenyl-d14
 Concen: 0.74 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.2	5.8	8.8	
122	2.1	1.8	2.8	





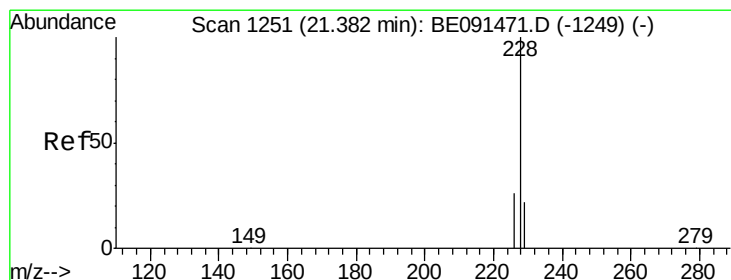
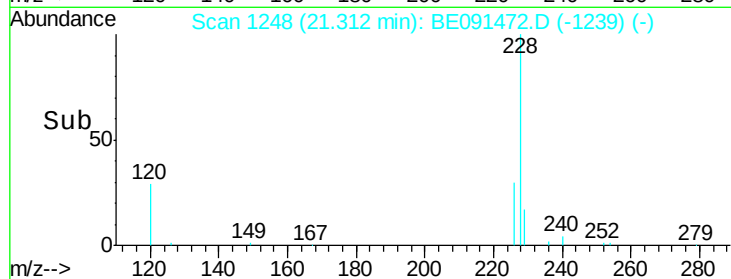
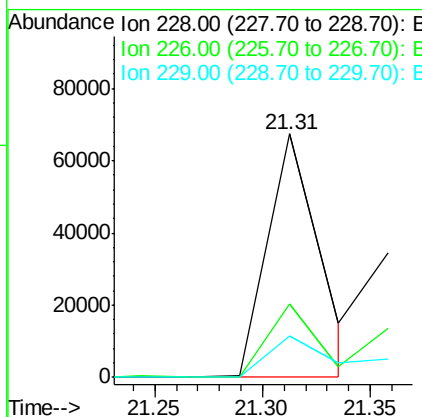
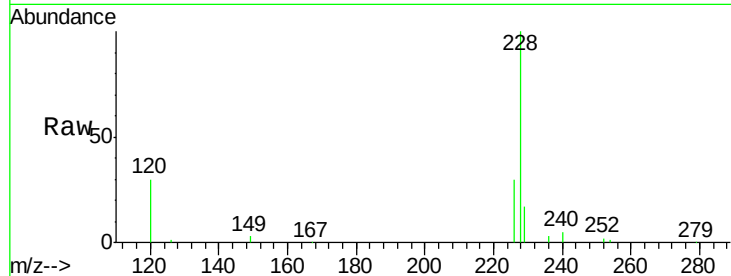
#25
Benzo(a)anthracene
Concen: 0.61 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	16.8	13.8	20.6

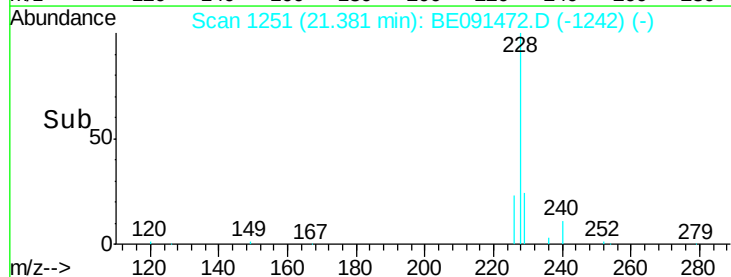
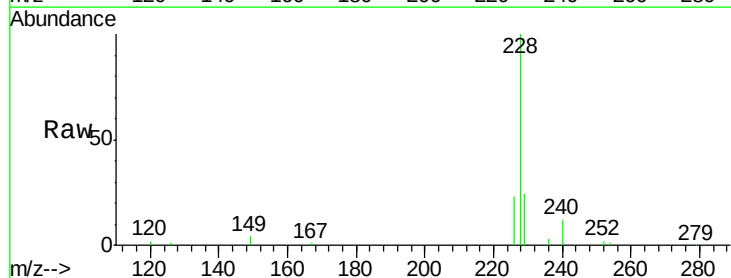
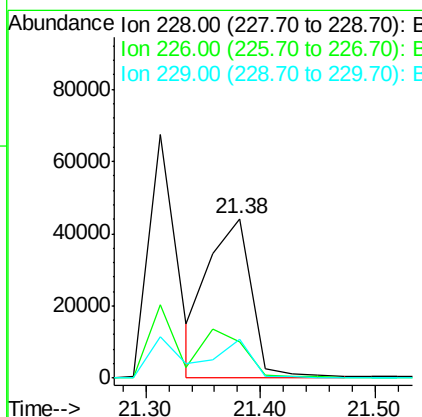
Manual Integrations
APPROVED

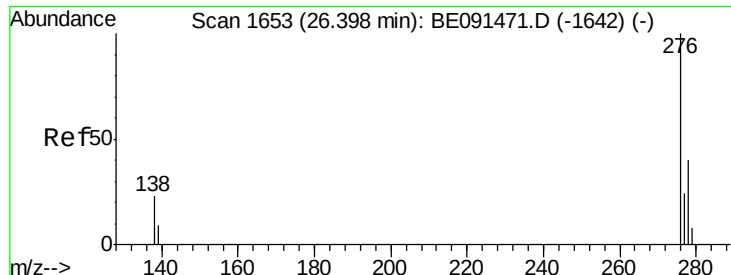
UMANGI
3/18/2016 6:10:48 PM



#26
Chrysene
Concen: 0.58 ng m
RT: 21.38 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.1	18.9	28.3
229	24.1	19.1	28.7





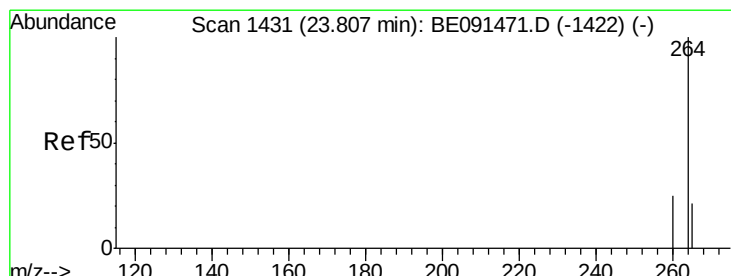
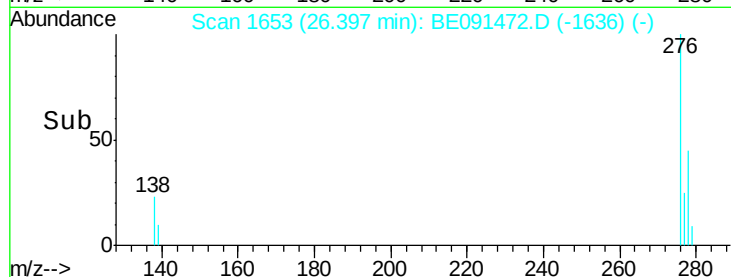
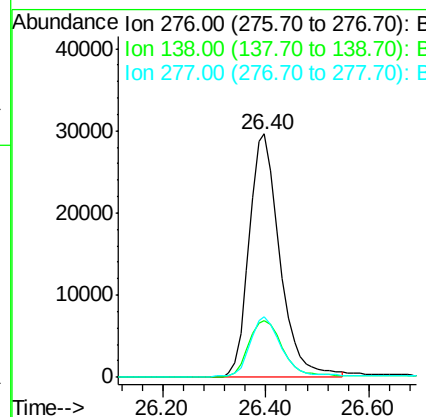
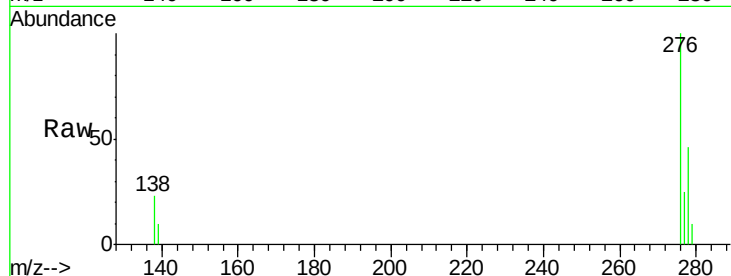
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.77 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.5	20.2	30.4
277	24.8	19.8	29.8

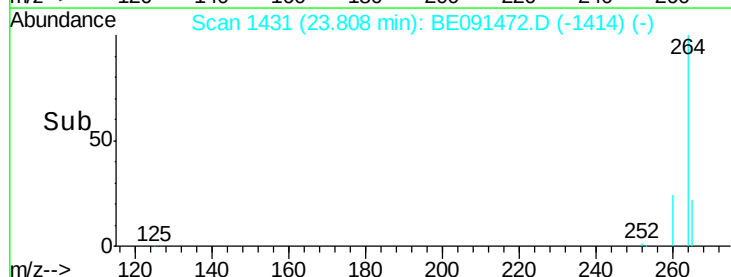
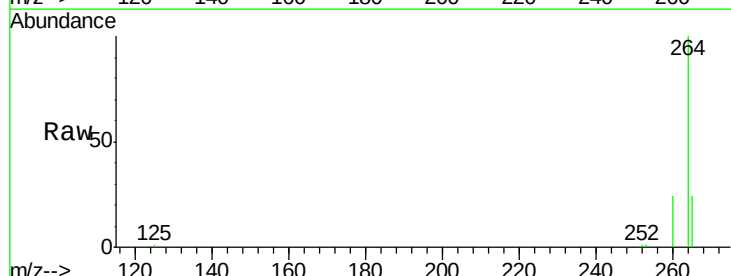
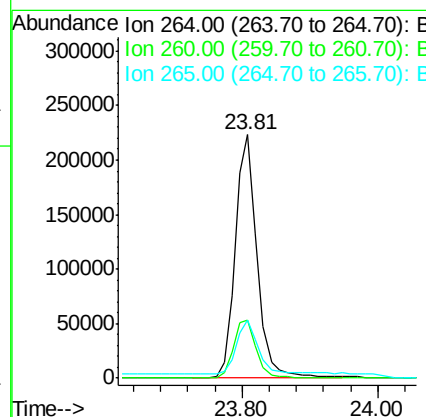
Manual Integrations
APPROVED

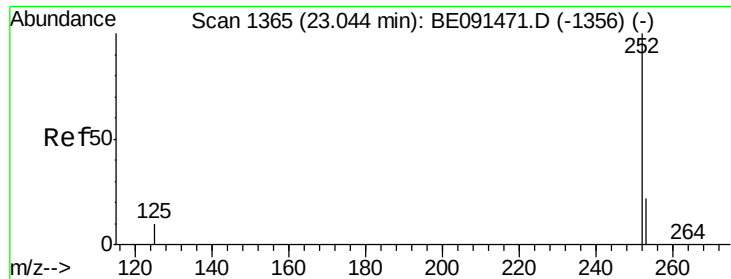
UMANGI
3/18/2016 6:10:48 PM



#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.9	20.1	30.1
265	23.9	18.3	27.5





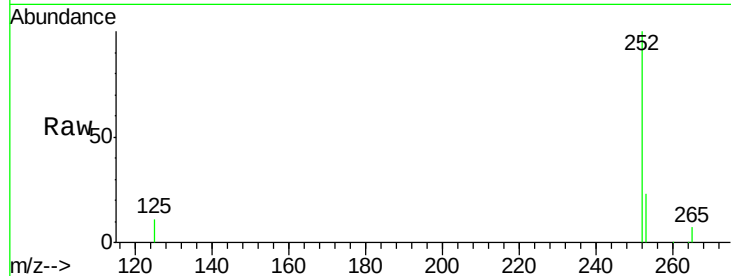
#29
Benzo(b)fluoranthene
Concen: 0.65 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	10.7	9.8	14.6

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM

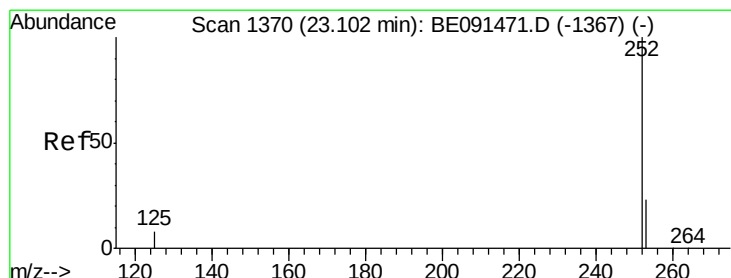
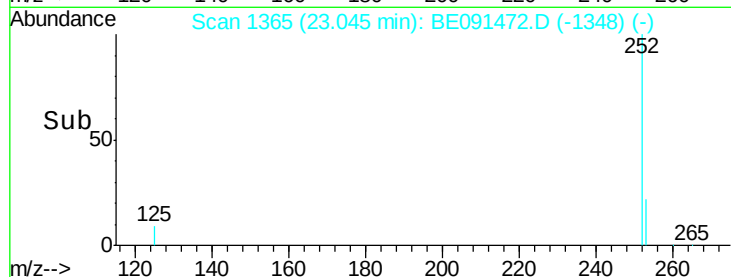
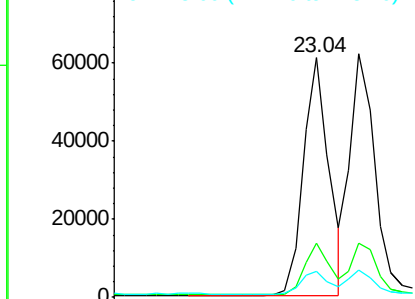


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30
Benzo(k)fluoranthene
Concen: 0.66 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

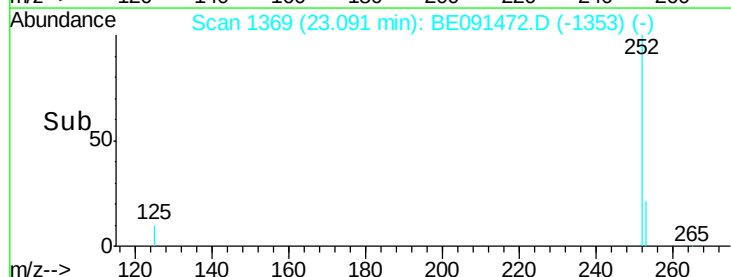
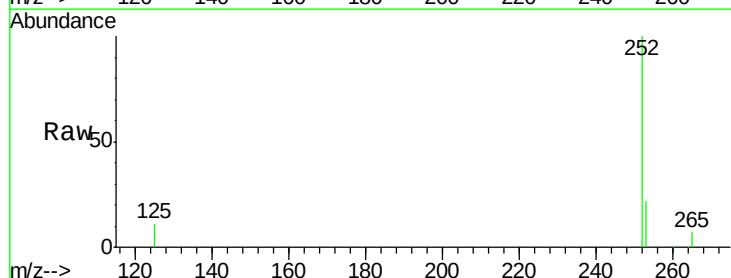
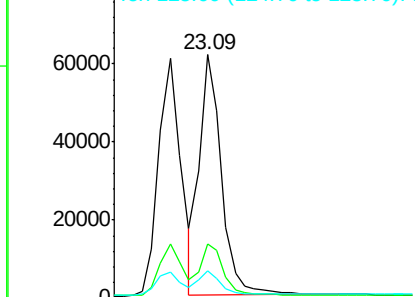
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.2	30.4
125	11.0	9.4	14.2

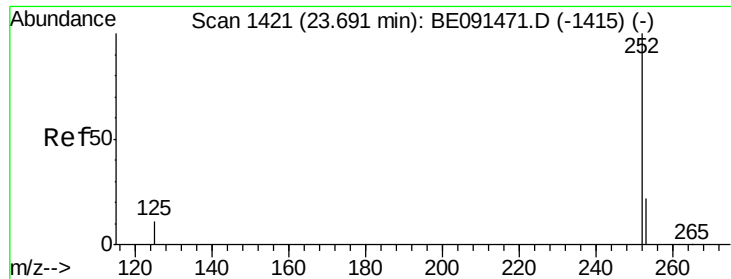
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





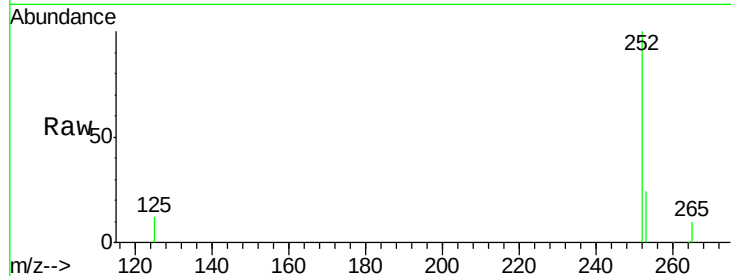
#31
Benzo(a)pyrene
Concen: 0.66 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	19.4	29.0
125	12.2	11.4	17.2

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:48 PM

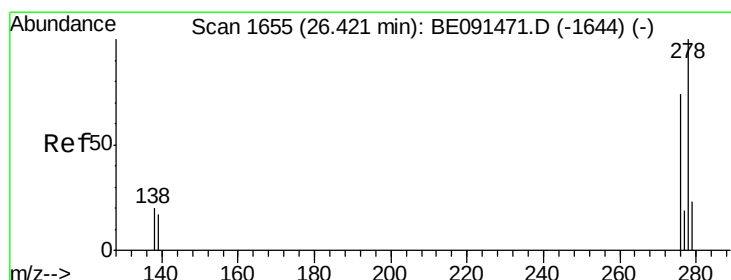
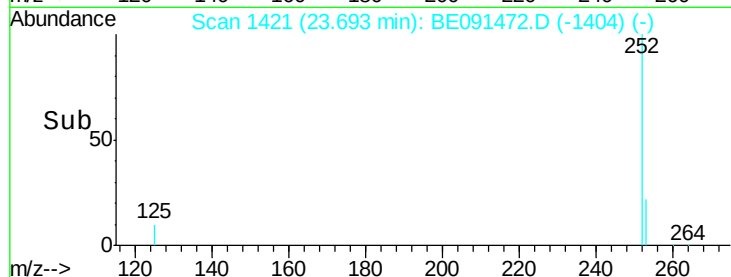
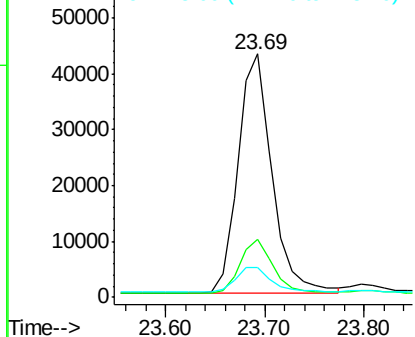


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#32
Dibenzo(a,h)anthracene
Concen: 0.78 ng
RT: 26.42 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE091472.D
Acq: 17 Mar 2016 18:30

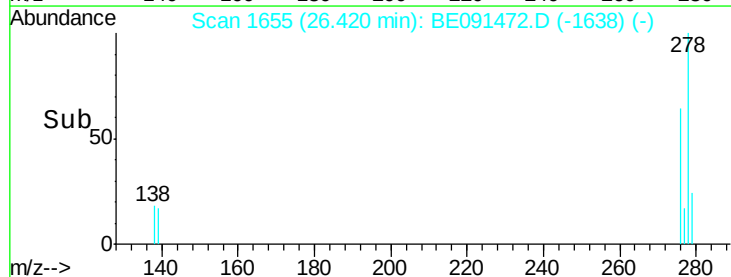
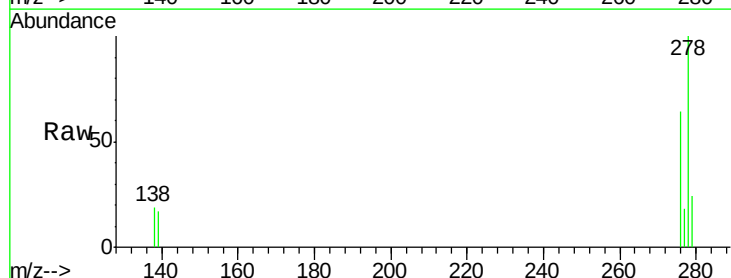
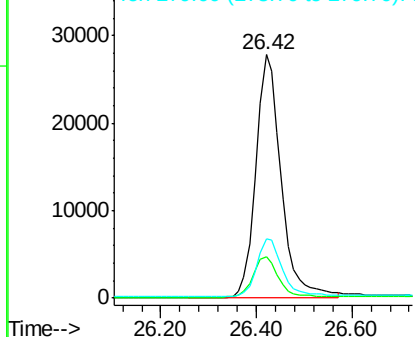
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	16.8	14.2	21.4
279	24.4	19.6	29.4

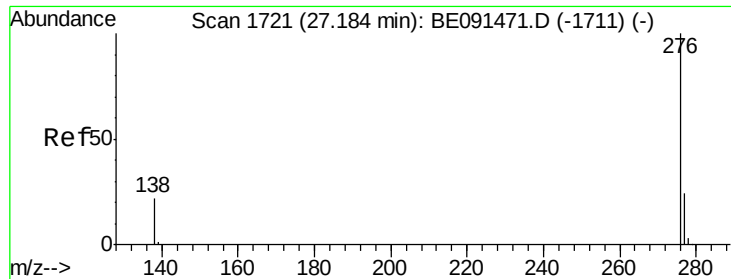
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





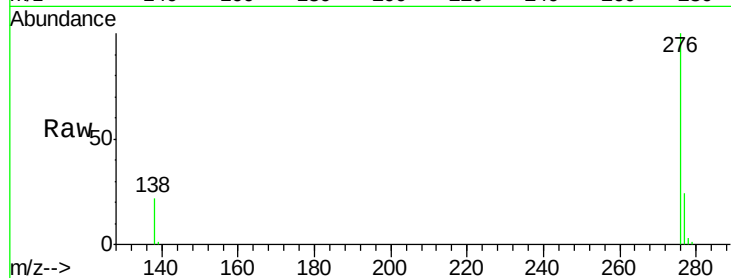
#33
 Benzo(g,h,i)perylene
 Concen: 0.73 ng
 RT: 27.18 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BE091472.D
 Acq: 17 Mar 2016 18:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt	Ion	276	Resp:	107029
Ion	Ratio	Lower	Upper	
276	100			
277	23.5	19.4	29.2	
138	22.2	18.2	27.4	

Manual Integrations
 APPROVED

UMANGI
 3/18/2016 6:10:48 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

