

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
 Data File : BE092364.D
 Acq On : 9 Sep 2016 20:52
 Operator : UM/SJ
 Sample : H4728-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006MS

Manual Integrations
 APPROVED

sohil
 9/12/2016 1:42:16 PM

Quant Time: Sep 10 02:19:24 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10598	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	48457	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	26818	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	54298	5.00	ng	0.00
24) Chrysene-d12	21.75	240	71843	5.00	ng	0.00
31) Perylene-d12	24.10	264	81084	5.00	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.68	112	23553	9.35	ng	-0.01
5) Phenol-d6	7.34	99	33555	9.98	ng	-0.02
8) Nitrobenzene-d5	9.34	82	15944	4.58	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	7845	9.44	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	33342	4.05	ng	-0.01
26) Terphenyl-d14	20.17	244	46528	4.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.42	88	4054	3.10	ng	# 83
3) n-Nitrosodimethylamine	3.77	42	7034	4.18	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	12561	3.91	ng	# 89
9) Naphthalene	10.99	128	38617	3.56	ng	# 95
10) Hexachlorobutadiene	11.30	225	5982	3.53	ng	99
11) 2-Methylnaphthalene	12.62	142	27268	3.84	ng	95
15) Acenaphthylene	14.53	152	171263	3.71	ng	100
16) Acenaphthene	14.88	154	25680	3.44	ng	94
17) Fluorene	15.86	166	33040	3.52	ng	100
19) Hexachlorobenzene	16.89	284	9429	3.63	ng	# 63
20) Pentachlorophenol	17.23	266	7492	5.96	ng	# 87
21) Phenanthrene	17.60	178	60869	3.99	ng	# 94
22) Anthracene	17.70	178	54997	4.05	ng	100
23) Fluoranthene	19.59	202	253765	3.81	ng	99
25) Pyrene	19.97	202	265124	3.79	ng	98
27) Benzo(a)anthracene	21.72	228	277123	3.57	ng	# 77
28) Chrysene	21.77	228	311471m	4.33	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	59703	Below	Cal	# 73
30) Indeno(1,2,3-cd)pyrene	26.58	276	371392	4.55	ng	99
32) Benzo(b)fluoranthene	23.37	252	83732	4.02	ng	# 96
33) Benzo(k)fluoranthene	23.42	252	76207	3.46	ng	95
34) Benzo(a)pyrene	23.99	252	79557	3.88	ng	# 96
35) Dibenzo(a,h)anthracene	26.60	278	76250	4.02	ng	93
36) Benzo(g,h,i)perylene	27.35	276	320549	4.01	ng	97

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

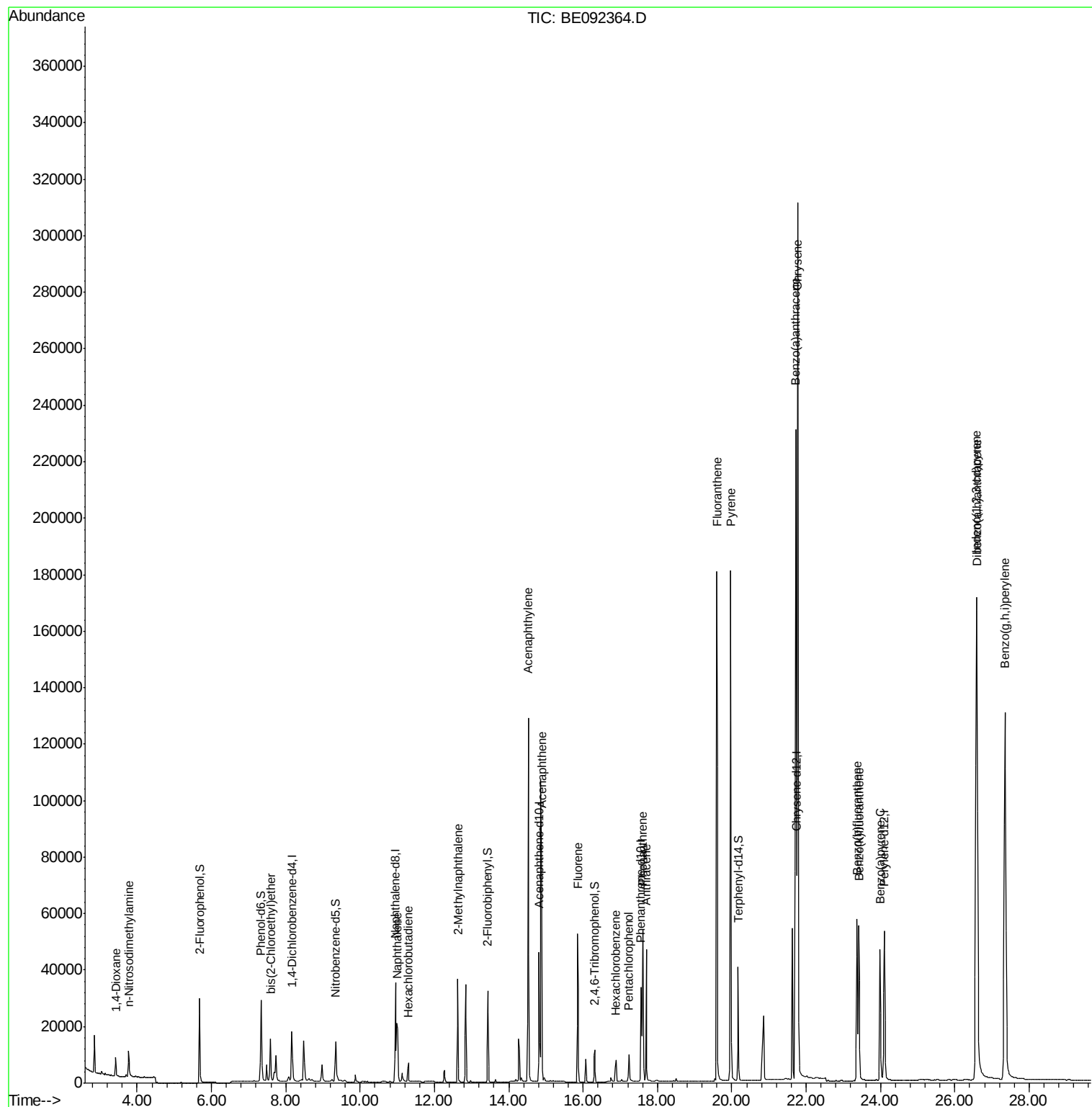
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
Data File : BE092364.D
Acq On : 9 Sep 2016 20:52
Operator : UM/SJ
Sample : H4728-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-006MS

Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM

Quant Time: Sep 10 02:19:24 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Instrument :

BNA_E

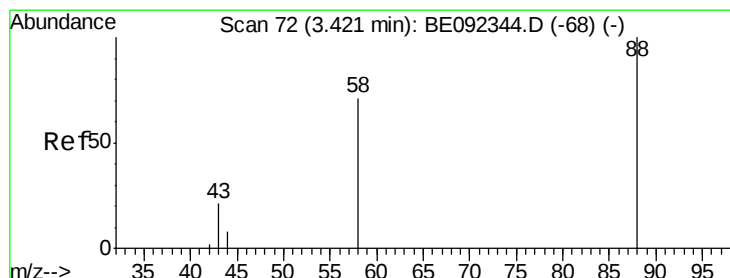
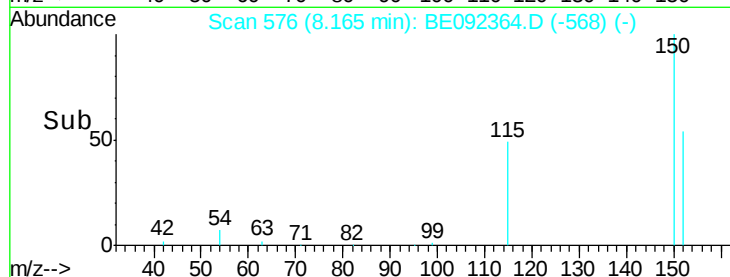
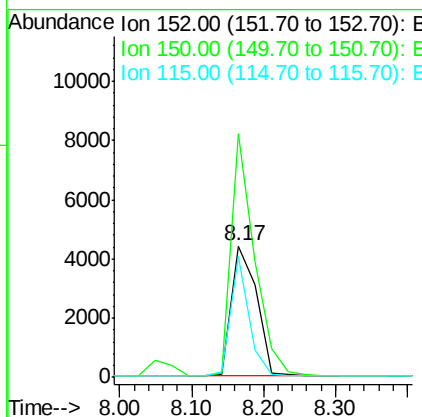
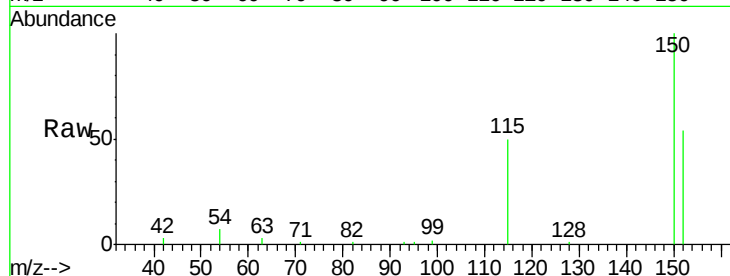
ClientSampleId :

TILCON-MH-SF-006MS

Tgt Ion:	152	Resp:	10598
Ion Ratio	Lower	Upper	
152	100		
150	185.6	106.0	159.0#
115	92.2	31.2	46.8#

Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM



#2

1,4-Dioxane

Concen: 3.10 ng

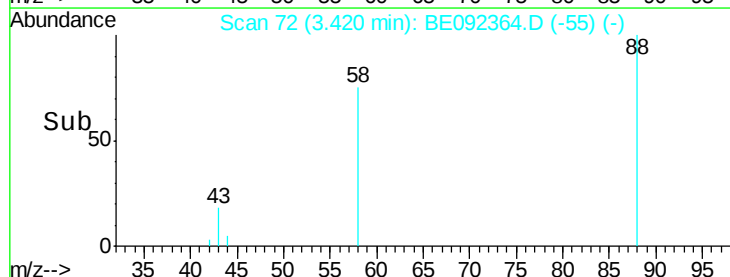
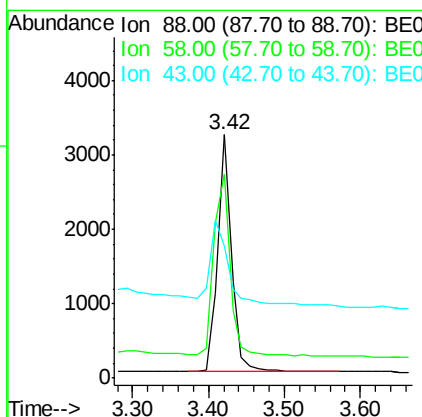
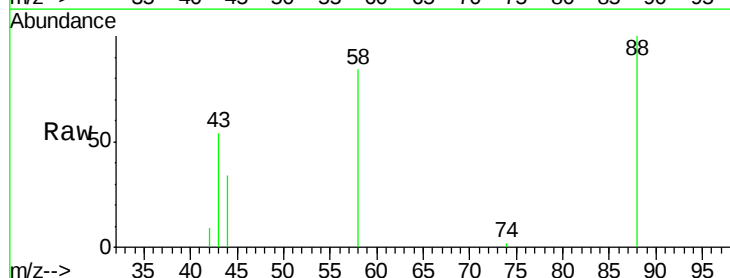
RT: 3.42 min Scan# 72

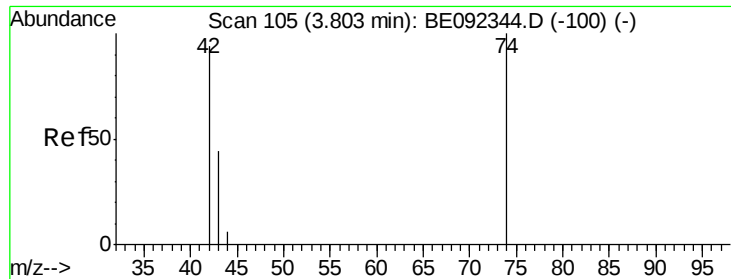
Delta R.T. -0.00 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Tgt Ion:	88	Resp:	4054
Ion Ratio	Lower	Upper	
88	100		
58	91.0	63.6	95.4
43	50.3	28.0	42.0#





#3

n-Nitrosodimethylamine

Concen: 4.18 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.03 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Instrument :

BNA_E

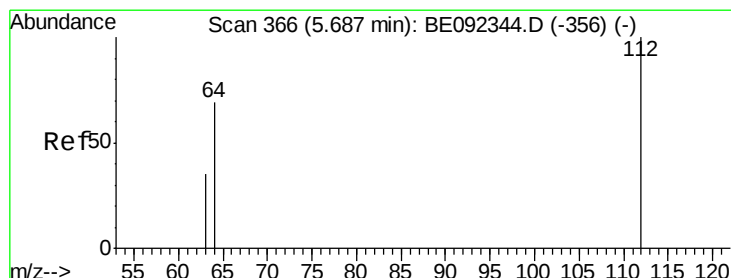
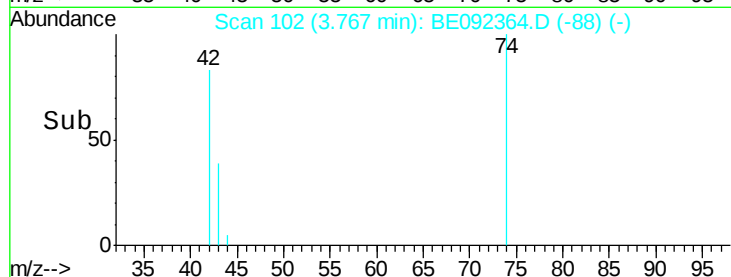
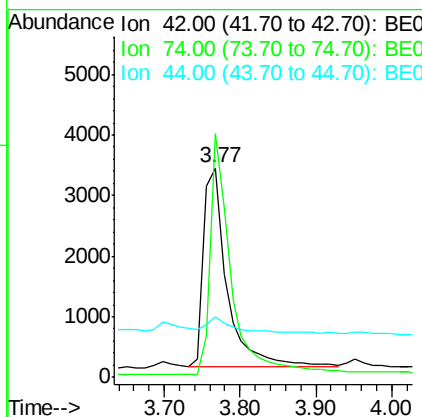
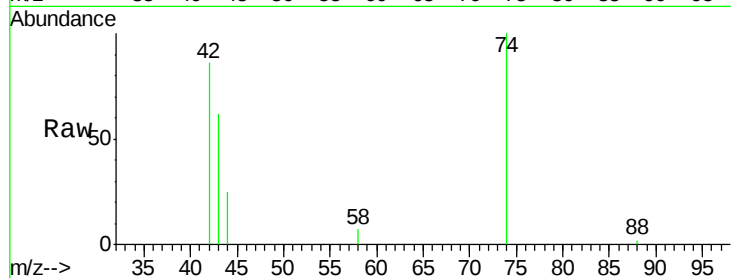
ClientSampleId :

TILCON-MH-SF-006MS

Tgt Ion:	42	Resp:	7034
Ion Ratio	Lower	Upper	
42	100		
74	107.6	86.0	129.0
44	9.6	5.1	7.7#

Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM



#4

2-Fluorophenol

Concen: 9.35 ng

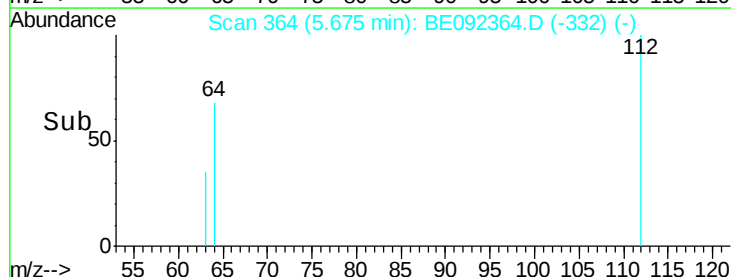
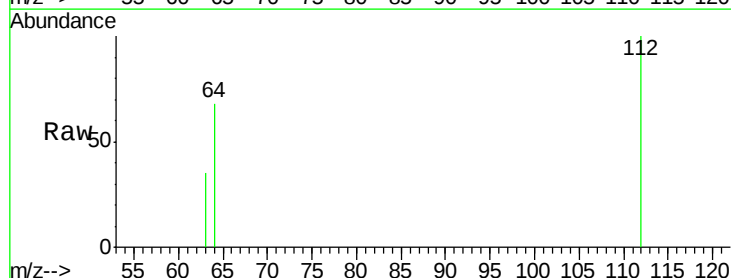
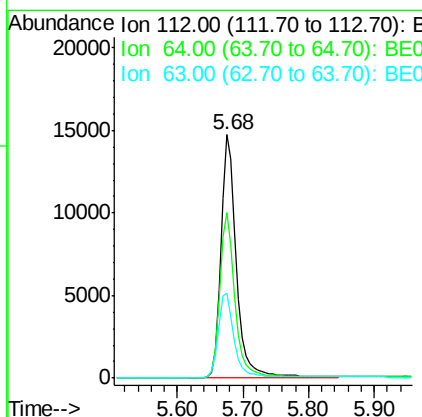
RT: 5.68 min Scan# 364

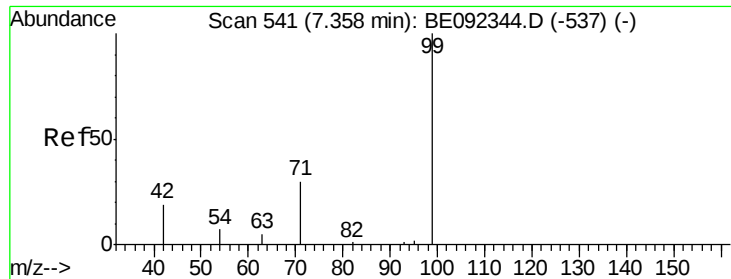
Delta R.T. -0.01 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Tgt Ion:	112	Resp:	23553
Ion Ratio	Lower	Upper	
112	100		
64	67.6	53.5	80.3
63	35.9	27.9	41.9





#5

Phenol-d6

Concen: 9.98 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Instrument :

BNA_E

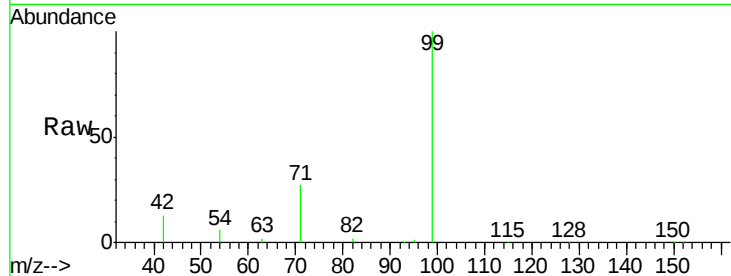
ClientSampleId :

TILCON-MH-SF-006MS

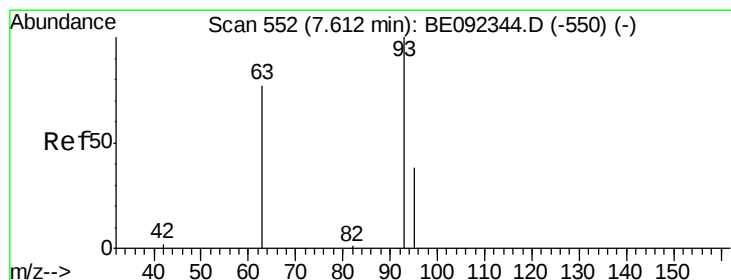
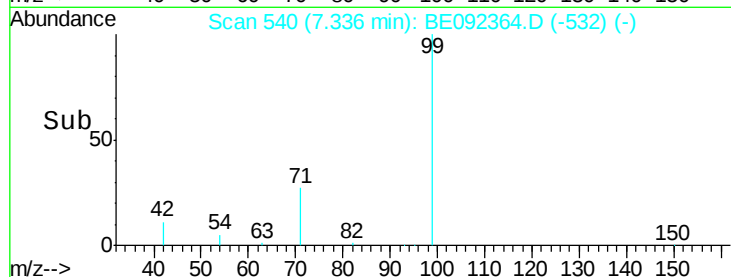
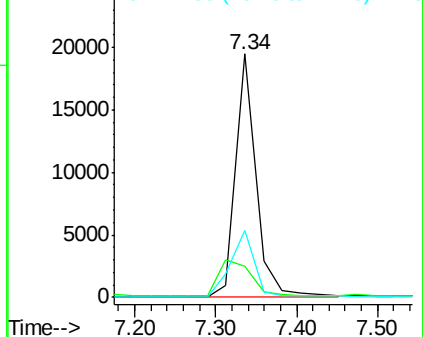
Tgt Ion:	99	Resp:	33555
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	32.2	30.6	45.8

Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.91 ng

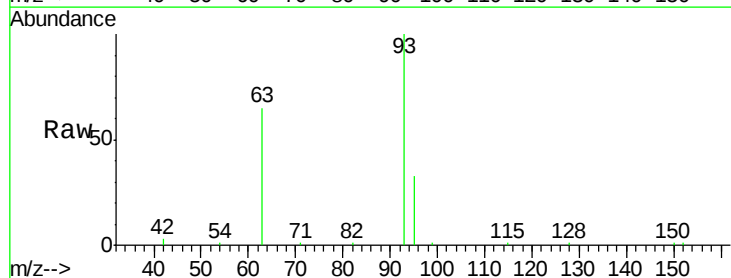
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

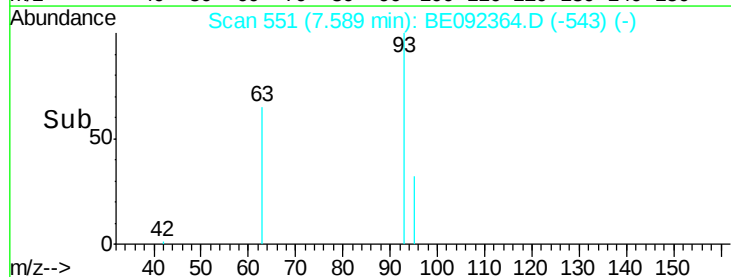
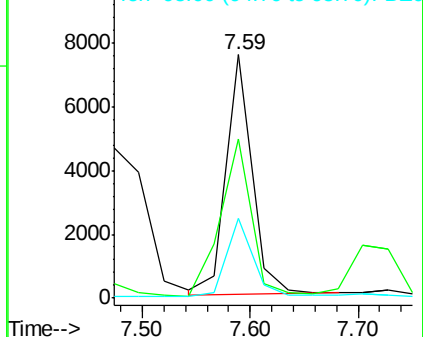
Lab File: BE092364.D

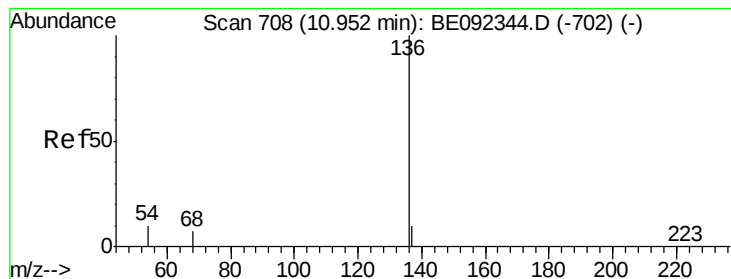
Acq: 9 Sep 2016 20:52

Tgt Ion:	93	Resp:	12561
Ion Ratio	Lower	Upper	
93	100		
63	77.3	71.6	107.4
95	32.8	24.0	36.0



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092364.D

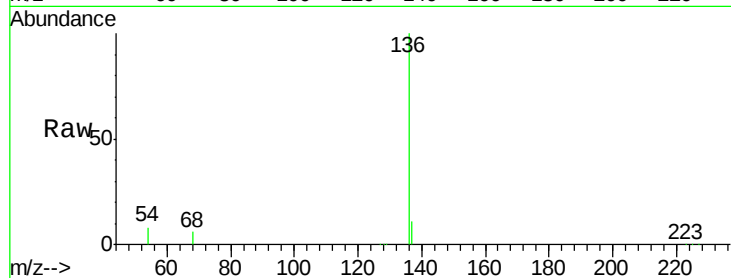
Acq: 9 Sep 2016 20:52

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006MS



Tgt Ion: 136 Resp: 48457

Ion Ratio Lower Upper

136 100

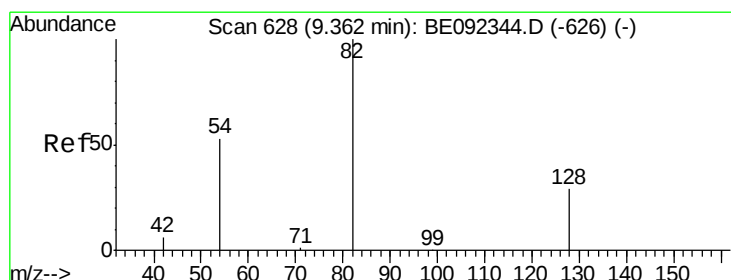
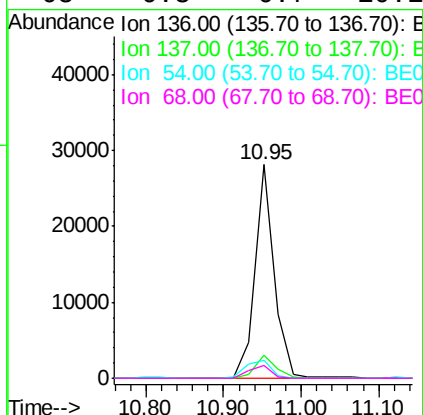
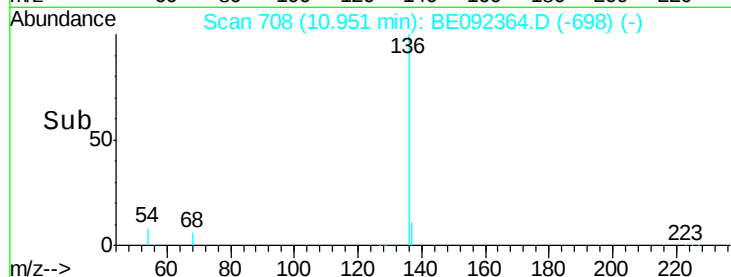
137 10.8 8.2 12.4

54 8.4 9.6 14.4#

68 6.3 6.7 10.1#

Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM



#8

Nitrobenzene-d5

Concen: 4.58 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

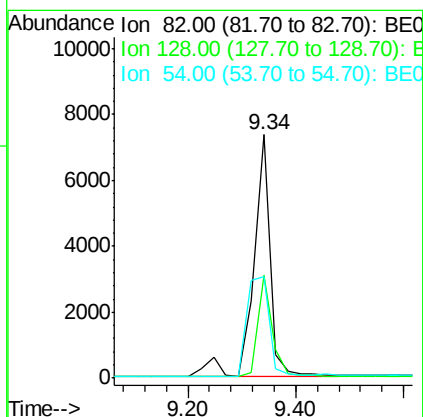
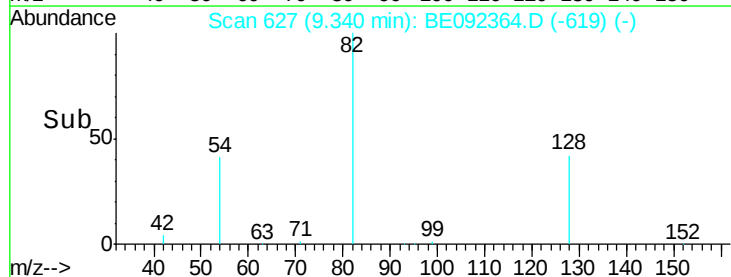
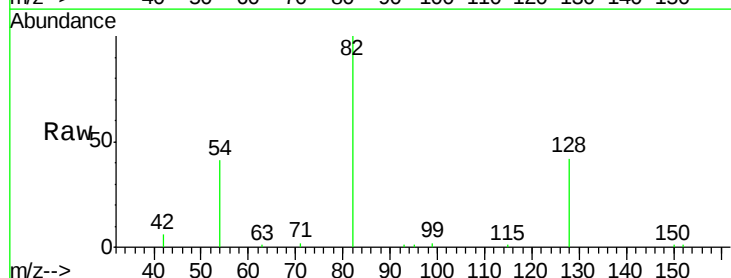
Tgt Ion: 82 Resp: 15944

Ion Ratio Lower Upper

82 100

128 42.3 39.0 58.4

54 41.4 44.8 67.2#





#9

Naphthalene

Concen: 3.56 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Instrument :

BNA_E

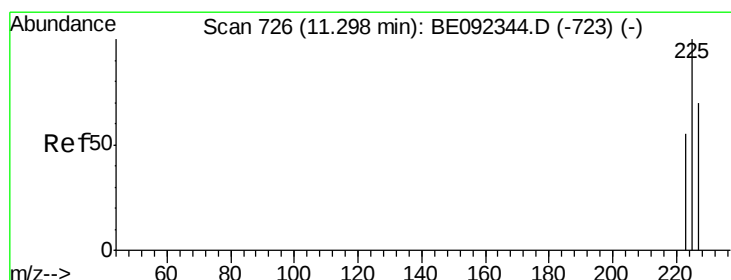
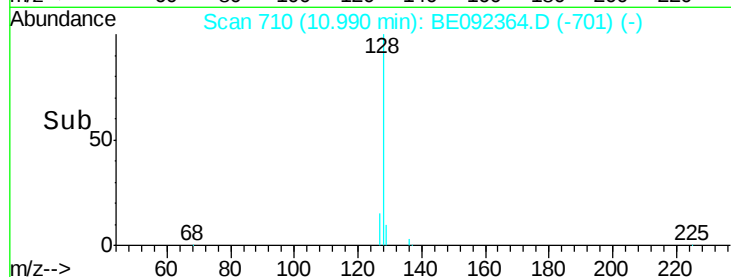
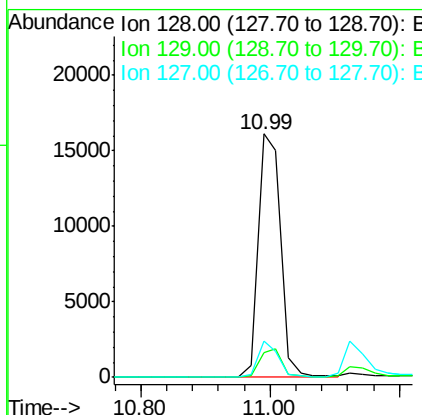
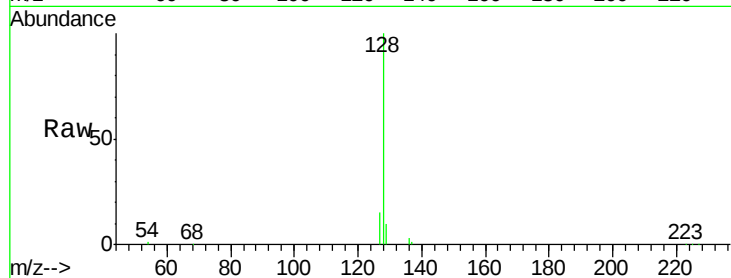
ClientSampleId :

TILCON-MH-SF-006MS

Tgt Ion:	128	Resp:	38617
Ion Ratio	Lower	Upper	
128	100		
129	10.1	11.2	16.8#
127	14.9	11.6	17.4

Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM



#10

Hexachlorobutadiene

Concen: 3.53 ng

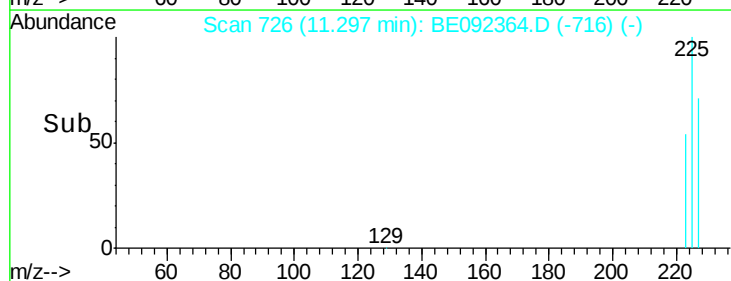
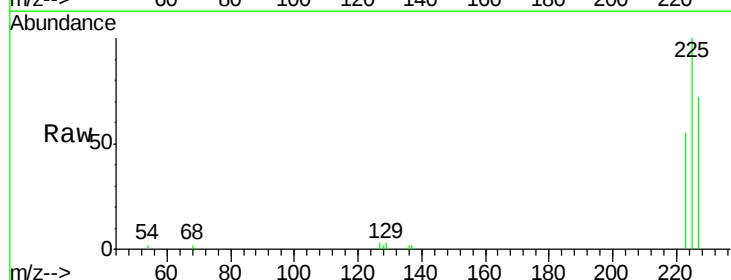
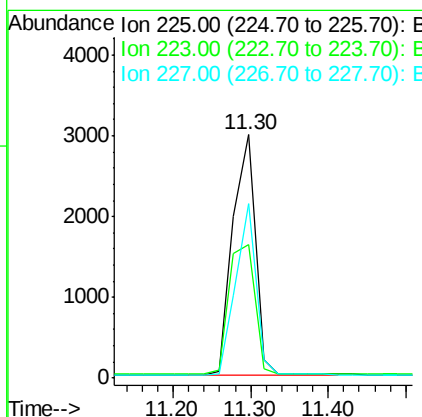
RT: 11.30 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Tgt Ion:	225	Resp:	5982
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.6	76.0
227	63.6	51.4	77.0





#11

2-Methylnaphthalene

Concen: 3.84 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006MS

Tgt Ion:142 Resp: 27268

Ion Ratio Lower Upper

142 100

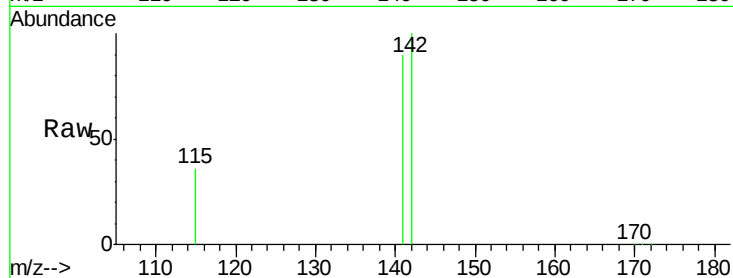
141 89.8 73.7 110.5

115 36.2 34.0 51.0

Manual Integrations
APPROVED

sohil

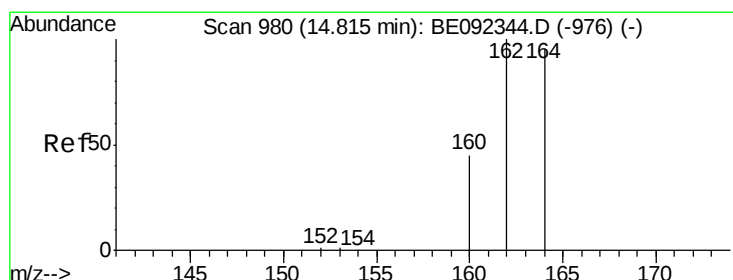
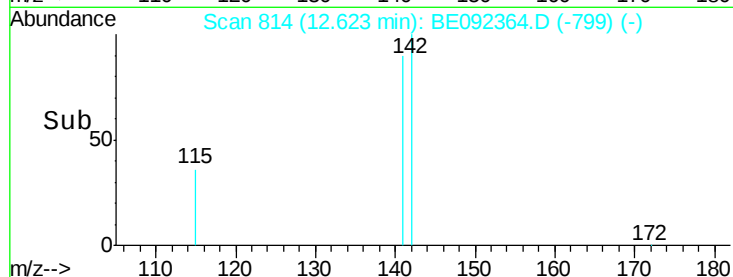
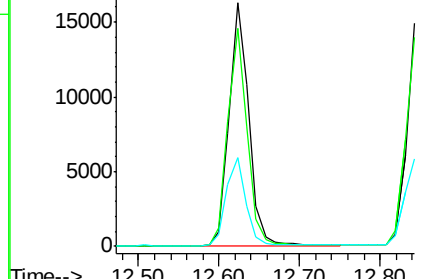
9/12/2016 1:42:16 PM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.81 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092364.D

Acq: 9 Sep 2016 20:52

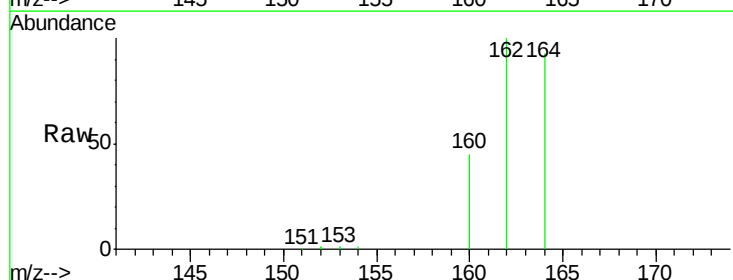
Tgt Ion:164 Resp: 26818

Ion Ratio Lower Upper

164 100

162 108.0 71.4 107.0#

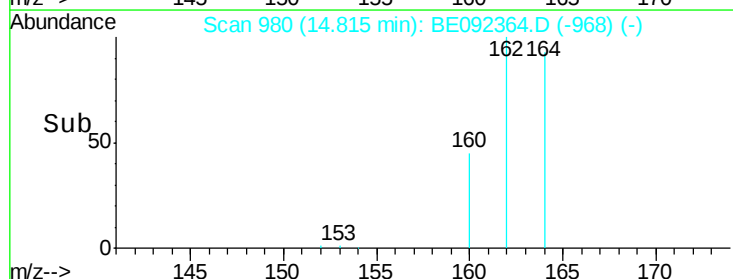
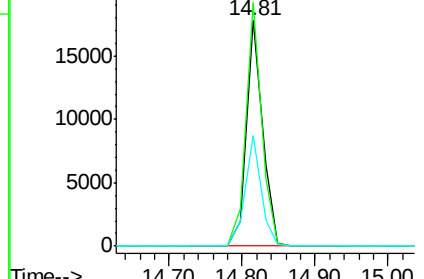
160 49.0 27.4 41.2#

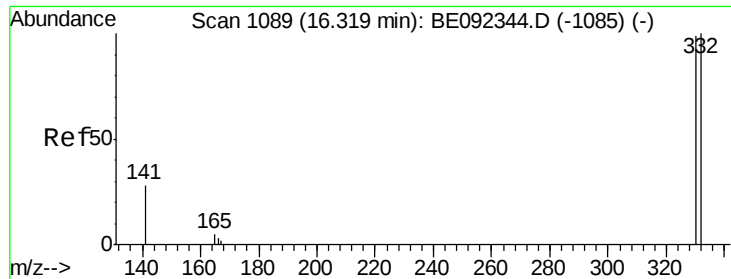


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





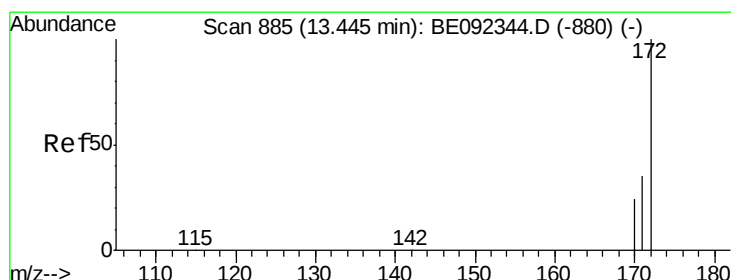
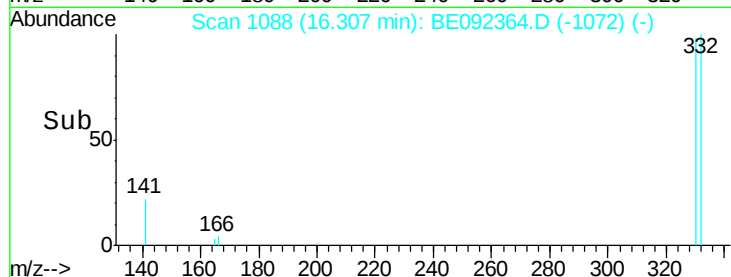
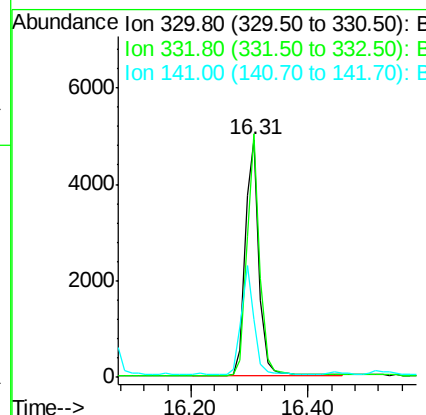
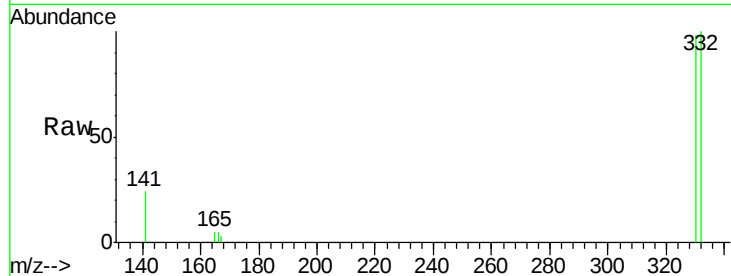
#13
 2,4,6-Tribromophenol
 Concen: 9.44 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092364.D
 Acq: 9 Sep 2016 20:52

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006MS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.4	113.0
141	42.7	31.0	46.6

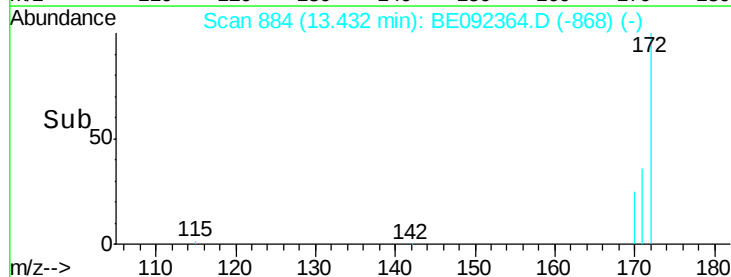
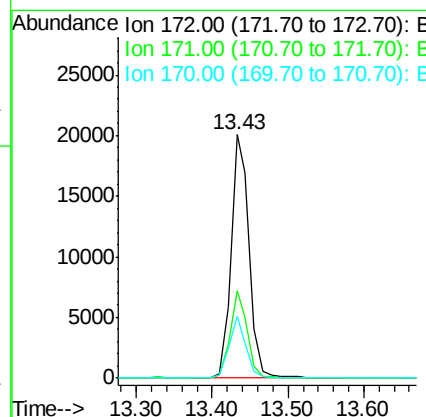
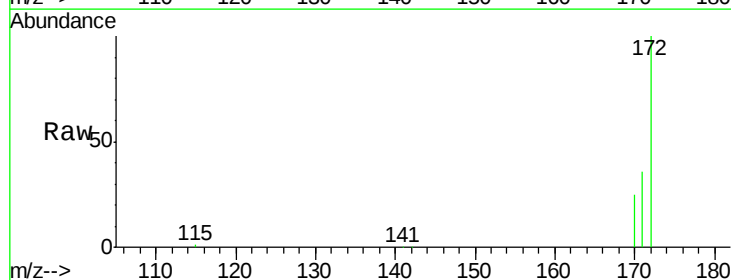
Manual Integrations
 APPROVED

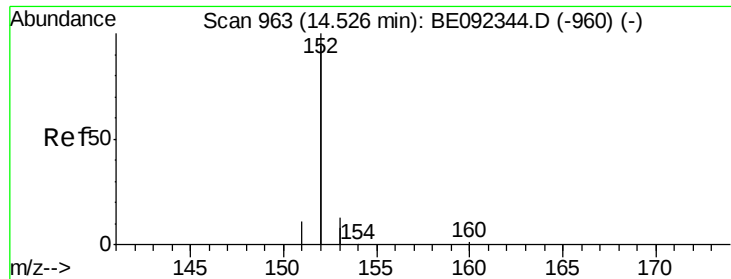
sohil
 9/12/2016 1:42:16 PM



#14
 2-Fluorobiphenyl
 Concen: 4.05 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092364.D
 Acq: 9 Sep 2016 20:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.1	45.1
170	25.5	21.8	32.6





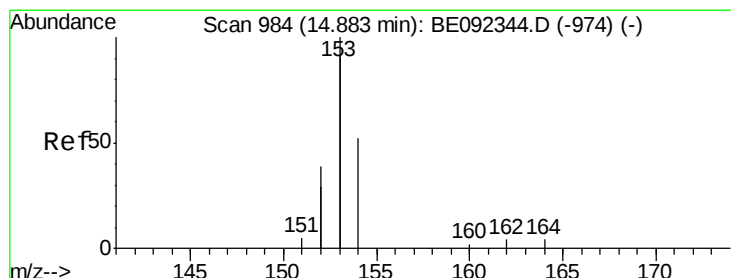
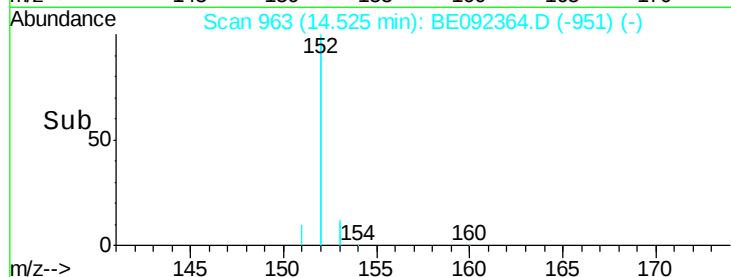
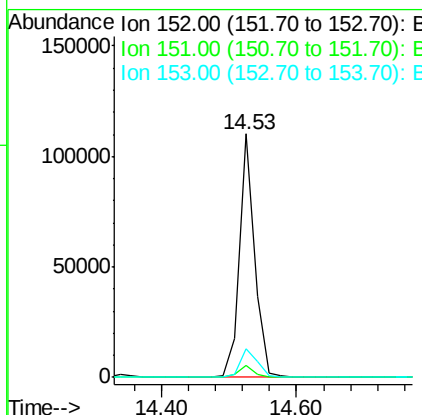
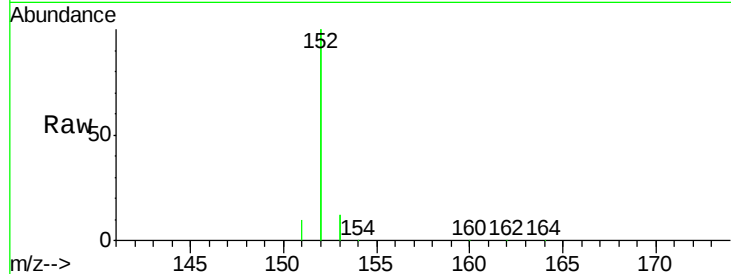
#15
Acenaphthylene
Concen: 3.71 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092364.D
Acq: 9 Sep 2016 20:52

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-006MS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

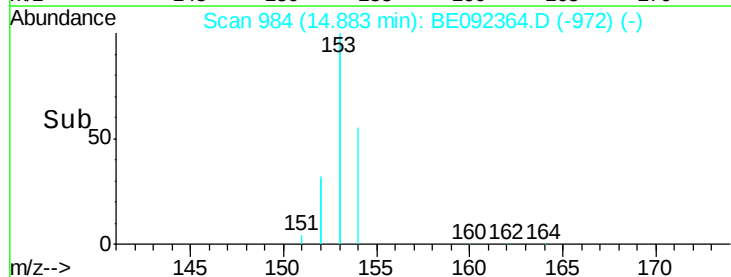
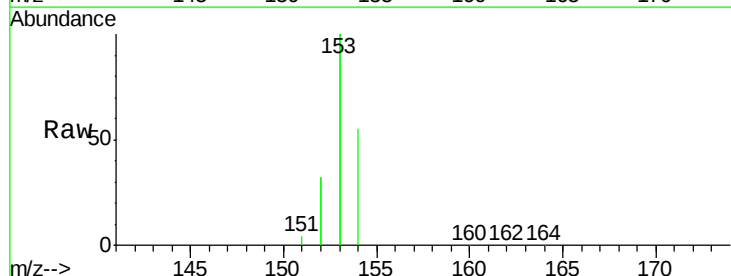
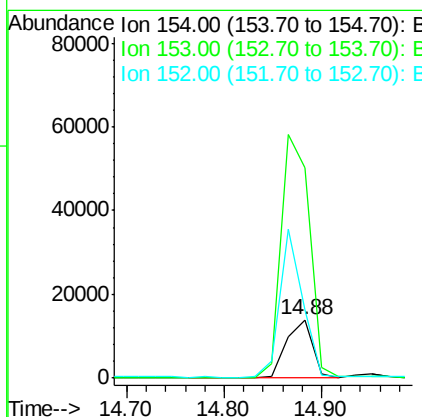
Manual Integrations
APPROVED

sohil
9/12/2016 1:42:16 PM



#16
Acenaphthene
Concen: 3.44 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092364.D
Acq: 9 Sep 2016 20:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	453.4	350.8	526.2
152	223.2	171.1	256.7





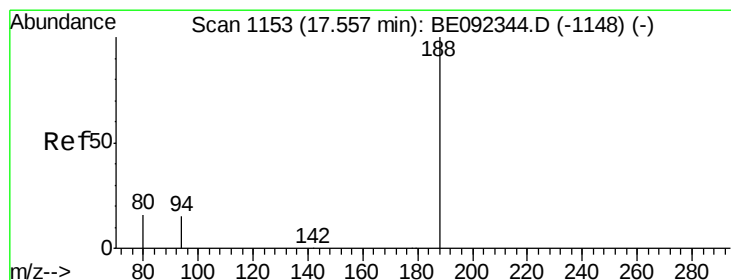
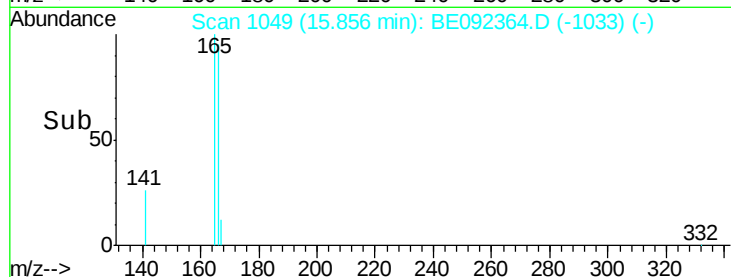
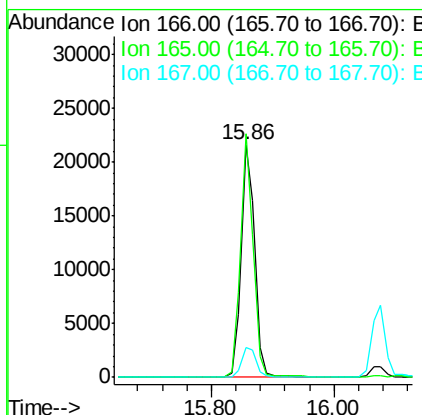
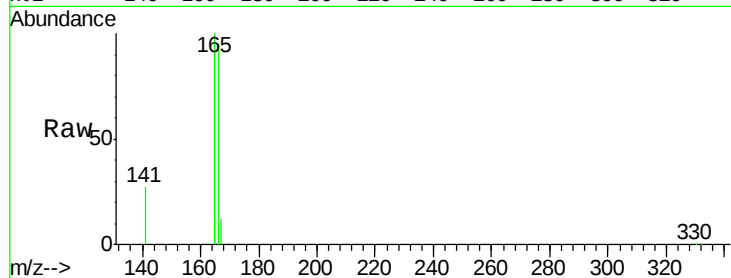
#17
Fluorene
 Concen: 3.52 ng
 RT: 15.86 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BE092364.D
 Acq: 9 Sep 2016 20:52

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006MS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.5	11.0	16.4

Manual Integrations
 APPROVED

sohil
 9/12/2016 1:42:16 PM



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE092364.D
 Acq: 9 Sep 2016 20:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.6	3.2	4.8#
80	18.7	2.6	3.8#

