

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092033.D
 Acq On : 23 Jul 2016 8:18
 Operator : UM/SJ
 Sample : H4107-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Manual Integrations

sohil
 7/25/2016 6:46:40 PM

Quant Time: Jul 25 02:14:02 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	31966	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	161408	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	97947	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	217228	5.00	ng	0.00
31) Chrysene-d12	21.76	240	246328	5.00	ng	0.00
40) Perylene-d12	24.15	264	214620	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	44678	7.21	ng	0.00
5) Phenol-d6	7.35	99	71366	6.50	ng	-0.02
9) Nitrobenzene-d5	9.37	82	38353	3.95	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	18105	5.39	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	96746	3.76	ng	-0.01
34) Terphenyl-d14	20.20	244	113817	4.60	ng	-0.02

Target Compounds						Qvalue
12) Naphthalene	11.04	128	2542	0.07	ng	# 93
14) 2-Methylnaphthalene	12.68	142	534	0.02	ng	# 89
22) Fluorene	15.90	166	5113	0.17	ng	# 99
28) Phenanthrene	17.63	178	74018	1.32	ng	99
29) Anthracene	17.72	178	20764m	0.41	ng	
30) Fluoranthene	19.63	202	400590	1.79	ng	# 89
33) Pyrene	19.99	202	376663	2.11	ng	# 78
35) Benzo(a)anthracene	21.73	228	76352m	1.38	ng	
37) Chrysene	21.78	228	50754m	0.75	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	9118	0.26	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	94752	0.51	ng	96
41) Benzo(b)fluoranthene	23.42	252	52950m	0.94	ng	
42) Benzo(k)fluoranthene	23.46	252	22536m	0.39	ng	
43) Benzo(a)pyrene	24.05	252	39786	0.76	ng	97
44) Dibenzo(a,h)anthracene	26.68	278	5337	0.11	ng	# 72
45) Benzo(g,h,i)perylene	27.43	276	100159	0.52	ng	98

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

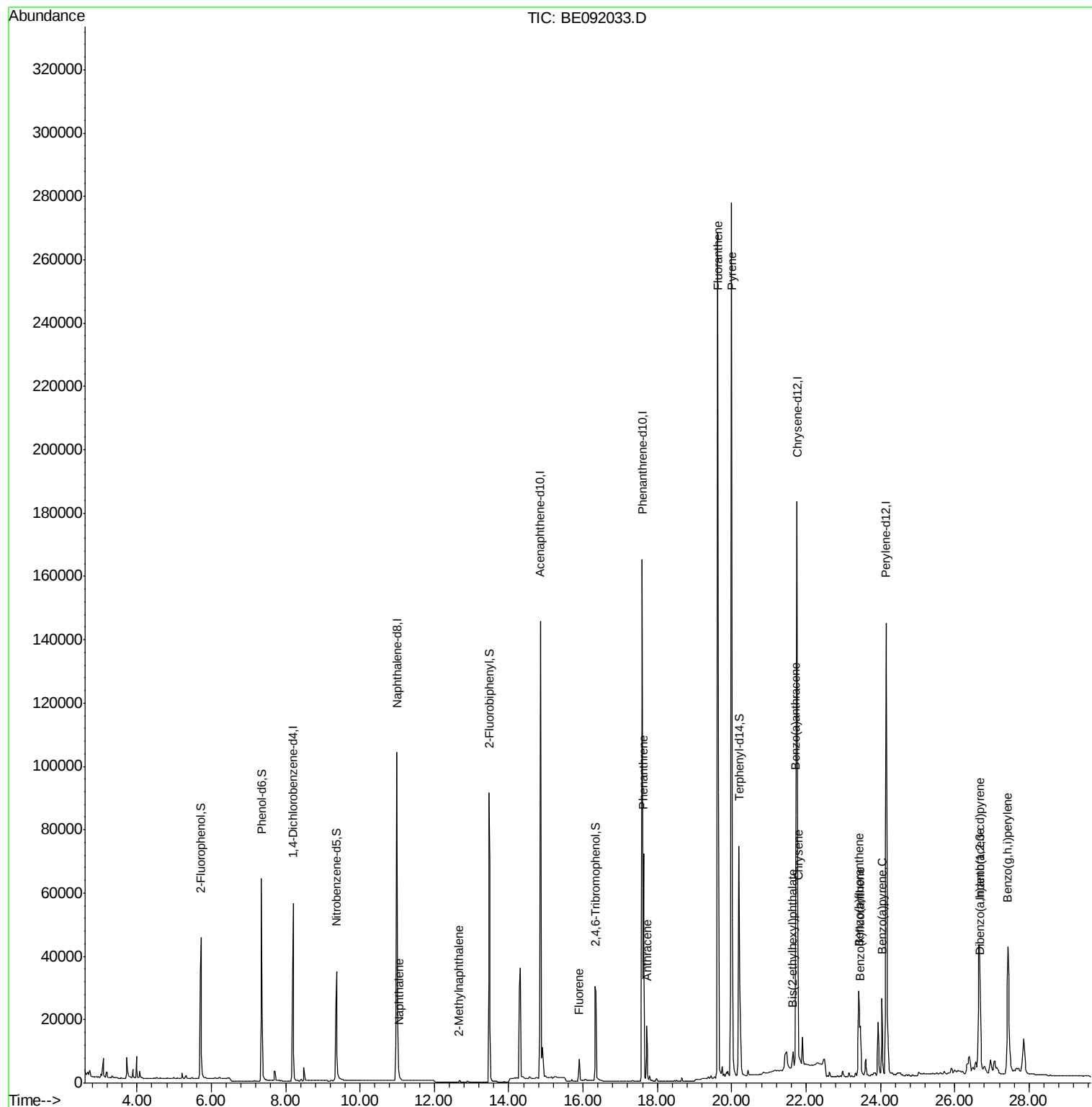
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092033.D
Acq On : 23 Jul 2016 8:18
Operator : UM/SJ
Sample : H4107-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

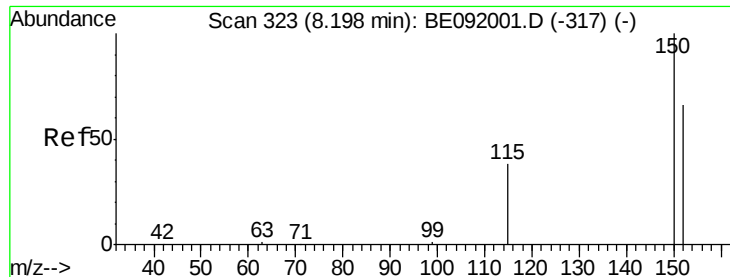
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004

Manual Integrations

sohil
7/25/2016 6:46:40 PM

Quant Time: Jul 25 02:14:02 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

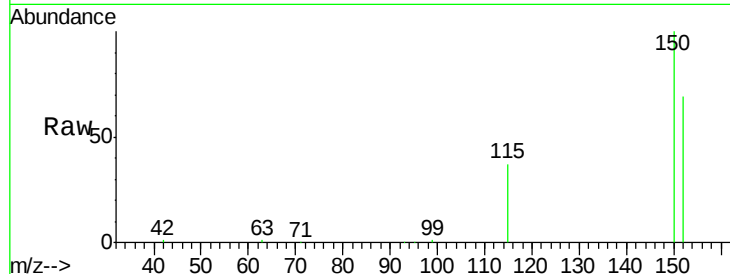




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE092033.D
Acq: 23 Jul 2016 8:18

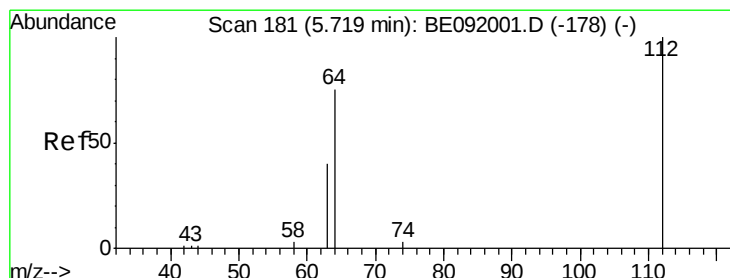
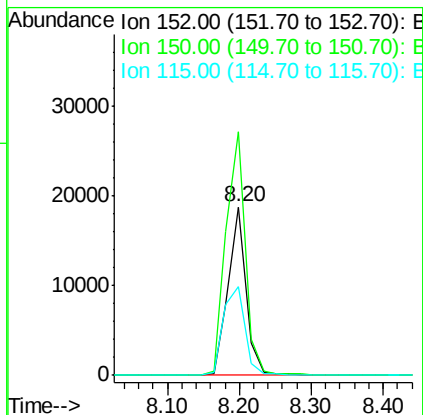
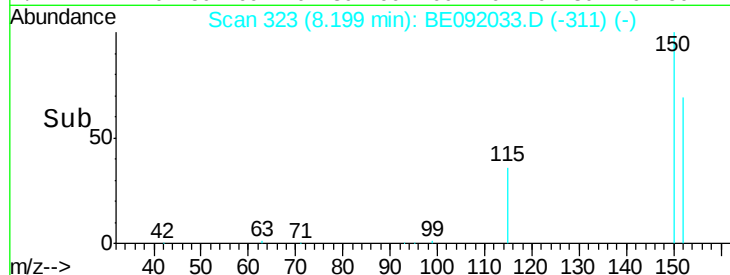
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004



Tgt Ion:152 Resp: 31966
Ion Ratio Lower Upper
152 100
150 144.8 123.9 185.9
115 53.1 48.3 72.5

Manual Integrations

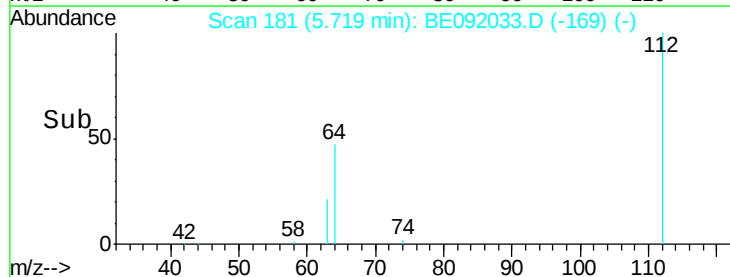
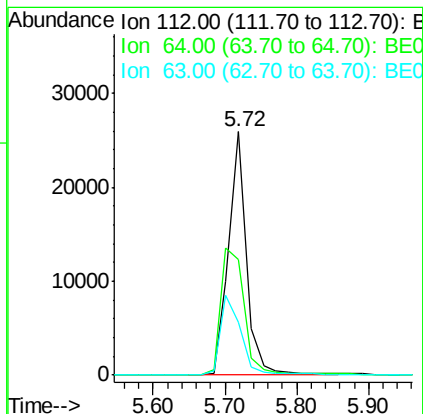
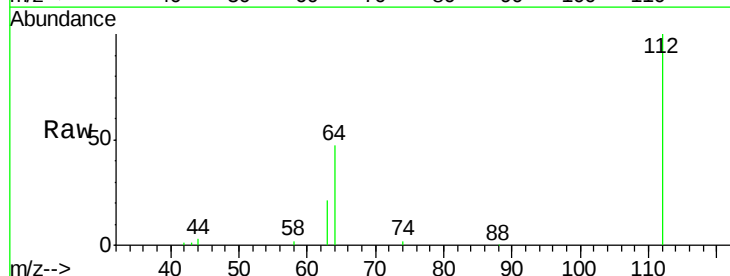
sohil
7/25/2016 6:46:40 PM

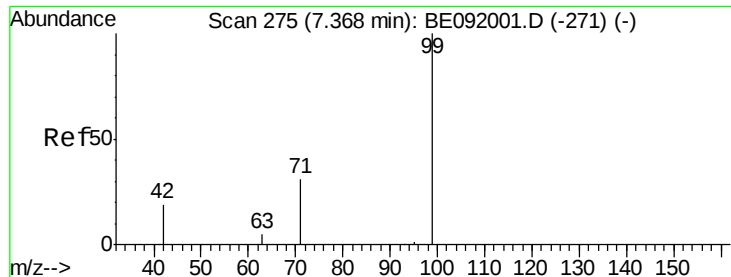


#4

2-Fluorophenol
Concen: 7.21 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE092033.D
Acq: 23 Jul 2016 8:18

Tgt Ion:112 Resp: 44678
Ion Ratio Lower Upper
112 100
64 67.5 53.7 80.5
63 36.8 29.5 44.3





#5

Phenol-d6

Concen: 6.50 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

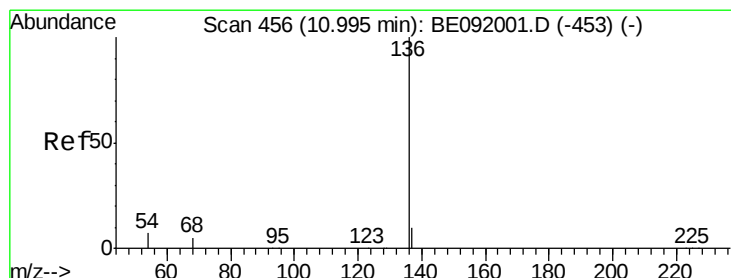
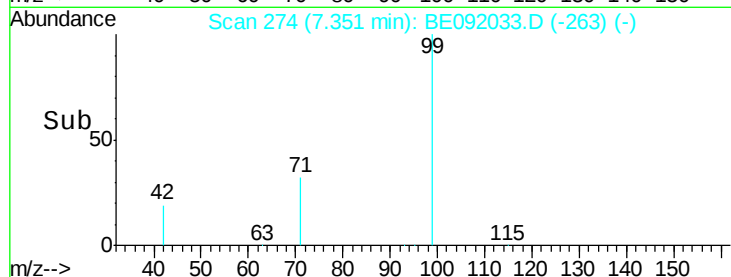
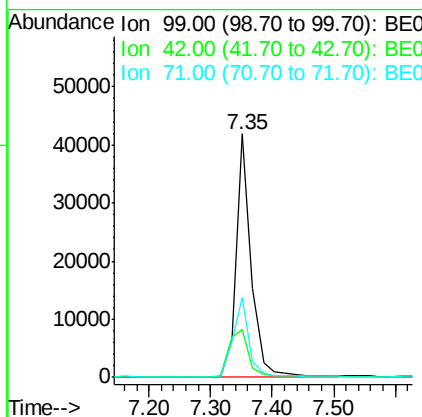
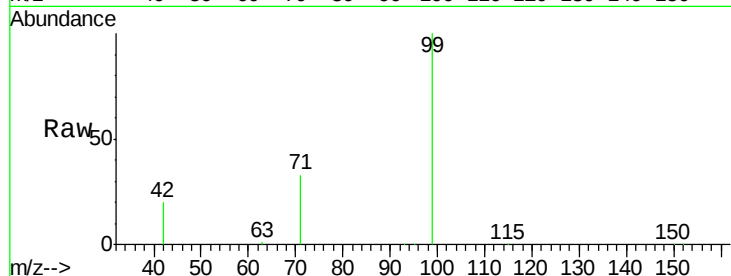
TILCON-MH-SF-004

Tgt Ion:	99	Resp:	71366
Ion Ratio	Lower	Upper	
99	100		
42	25.4	19.6	29.4
71	35.2	28.1	42.1

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#8

Naphthalene-d8

Concen: 5.00 ng

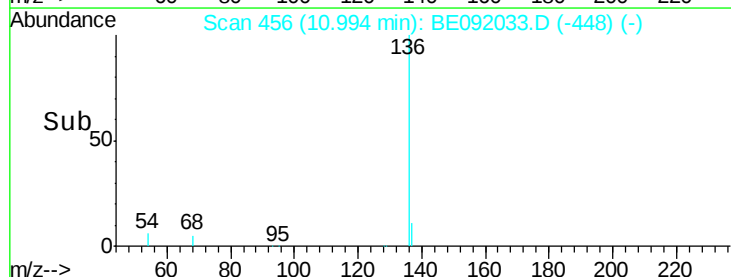
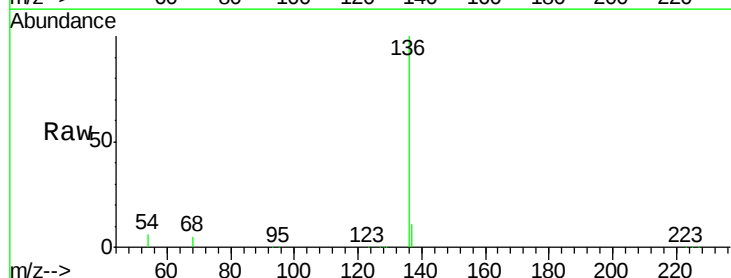
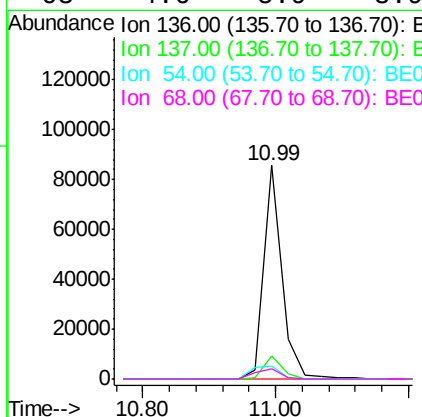
RT: 10.99 min Scan# 456

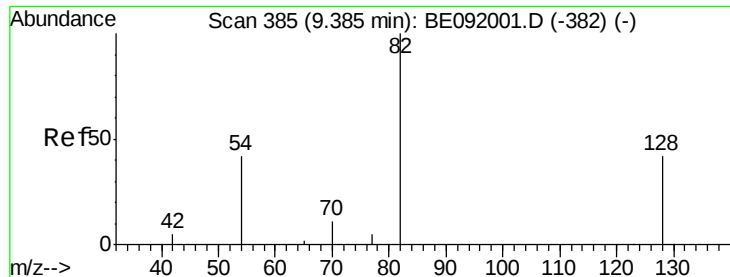
Delta R.T. -0.00 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion:	136	Resp:	161408
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.3	12.5
54	6.0	8.2	12.4#
68	4.6	5.9	8.9#





#9

Nitrobenzene-d5

Concen: 3.95 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

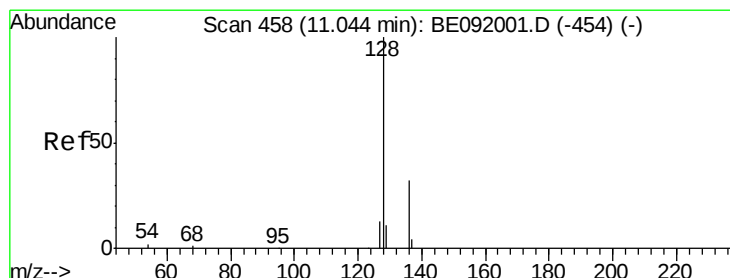
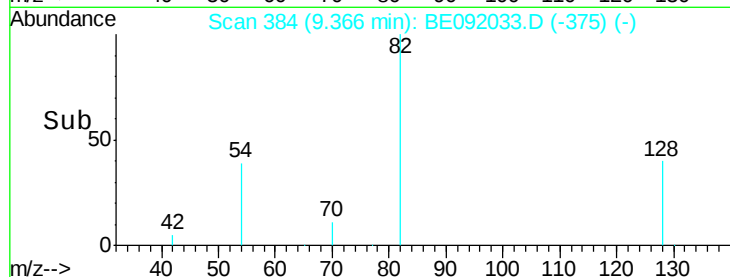
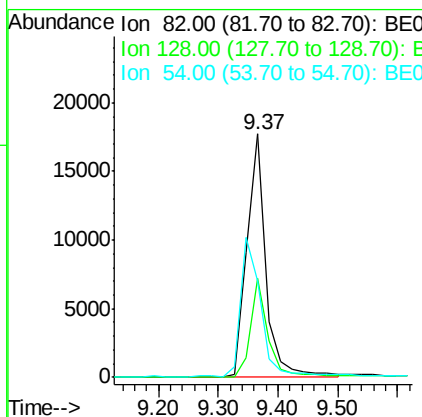
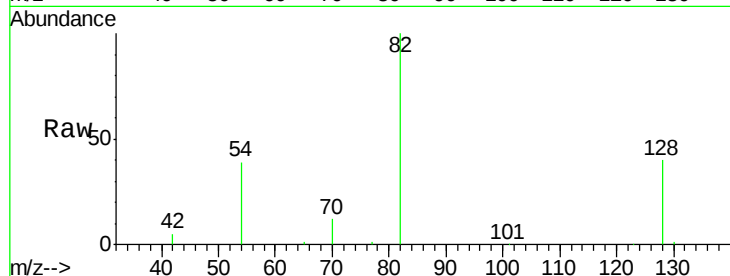
TILCON-MH-SF-004

Tgt Ion:	82	Resp:	38353
Ion Ratio	Lower	Upper	
82	100		
128	40.4	39.5	59.3
54	39.5	30.3	45.5

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#12

Naphthalene

Concen: 0.07 ng

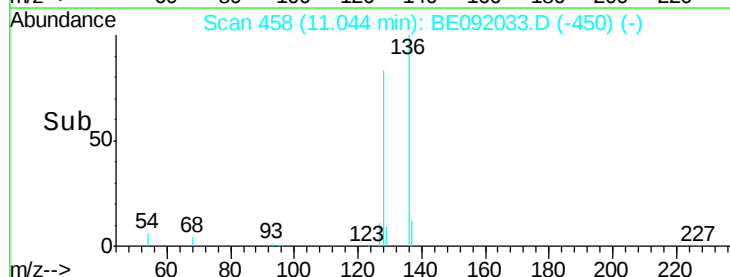
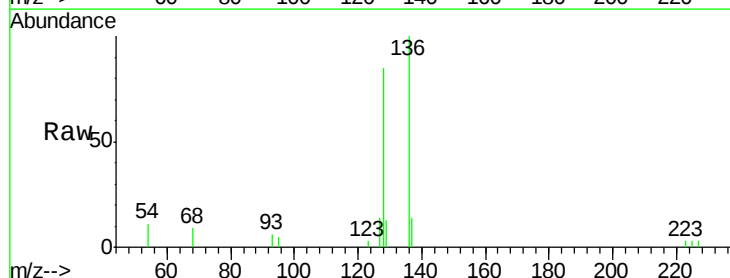
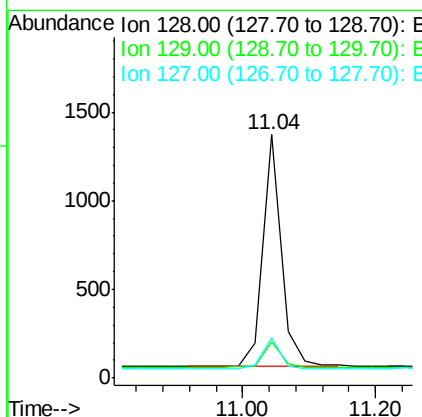
RT: 11.04 min Scan# 458

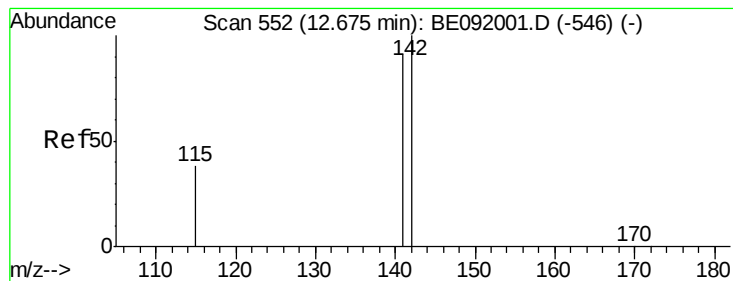
Delta R.T. -0.00 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion:	128	Resp:	2542
Ion Ratio	Lower	Upper	
128	100		
129	14.8	10.4	15.6
127	16.2	10.2	15.2#





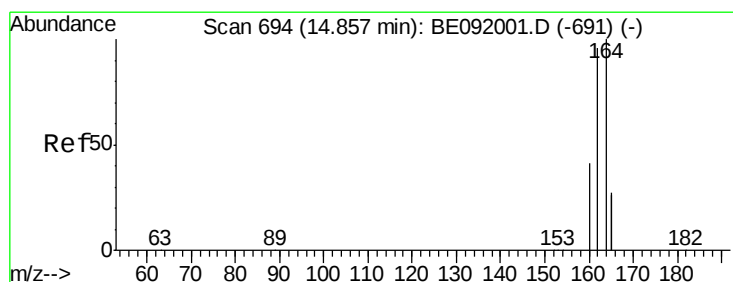
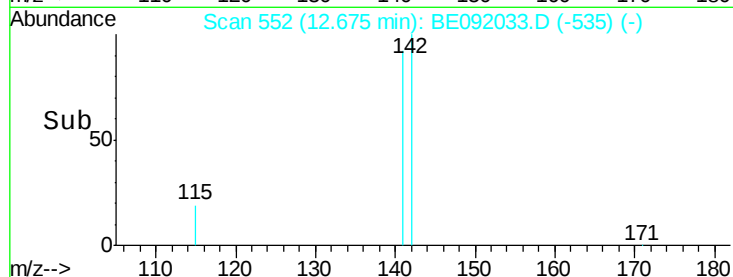
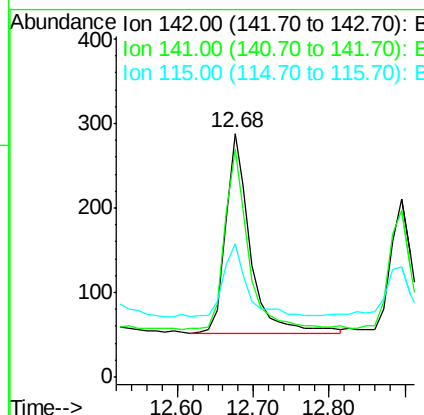
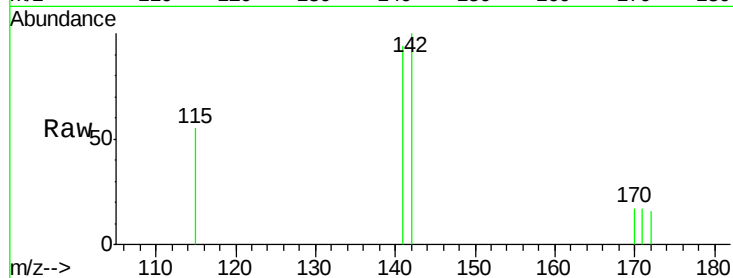
#14
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092033.D
Acq: 23 Jul 2016 8:18

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	71.9	107.9
115	54.5	29.9	44.9

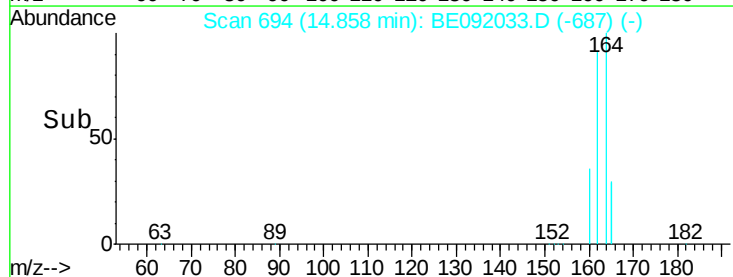
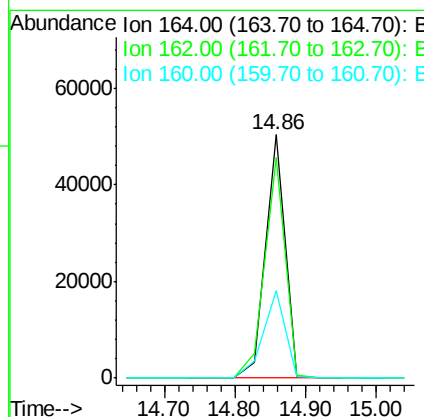
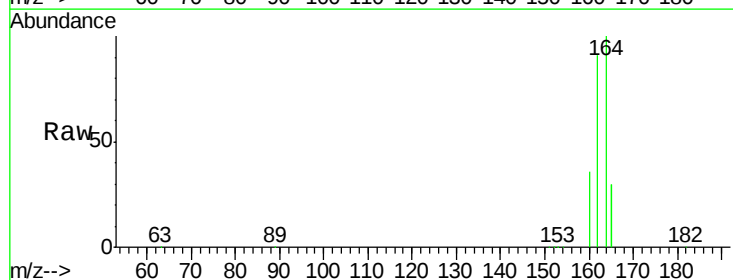
Manual Integrations

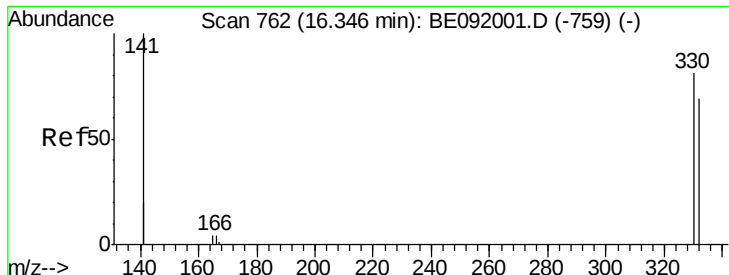
sohil
7/25/2016 6:46:40 PM



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092033.D
Acq: 23 Jul 2016 8:18

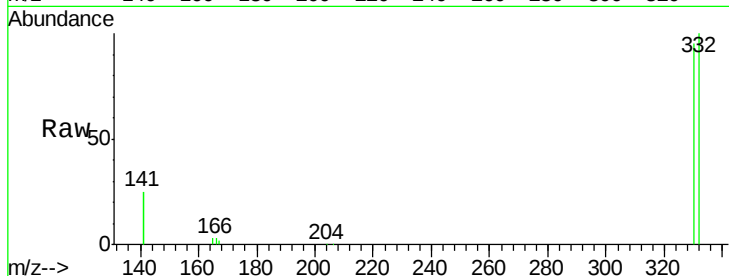
Tgt Ion	Ratio	Lower	Upper
164	100		
162	90.7	71.8	107.8
160	36.0	28.0	42.0





#16
 2,4,6-Tribromophenol
 Concen: 5.39 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092033.D
 Acq: 23 Jul 2016 8:18

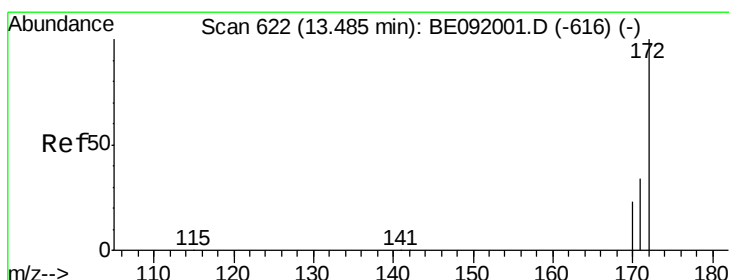
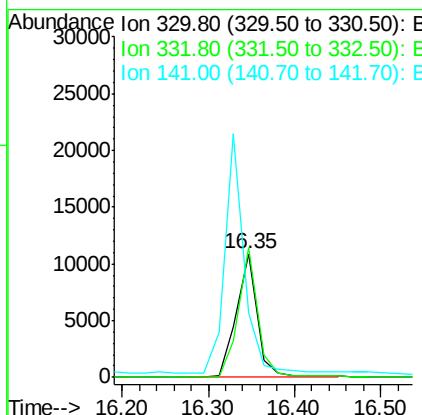
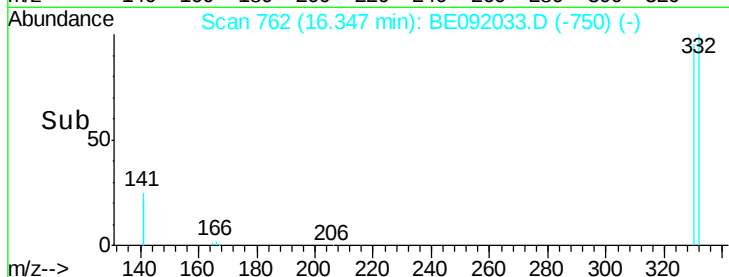
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004



Tgt Ion:330 Resp: 18105
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.0 115.6
 141 181.6 138.4 207.6

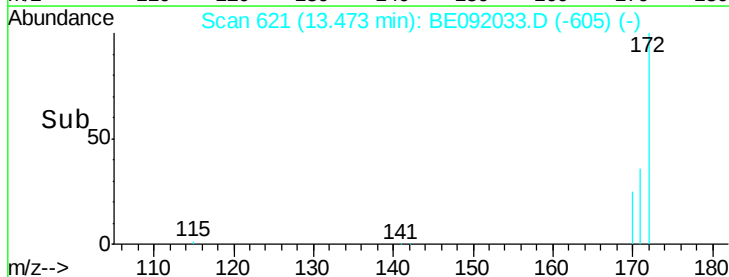
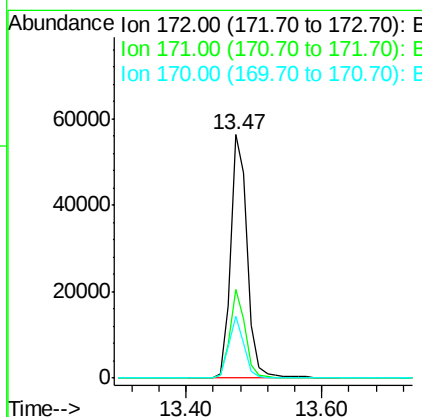
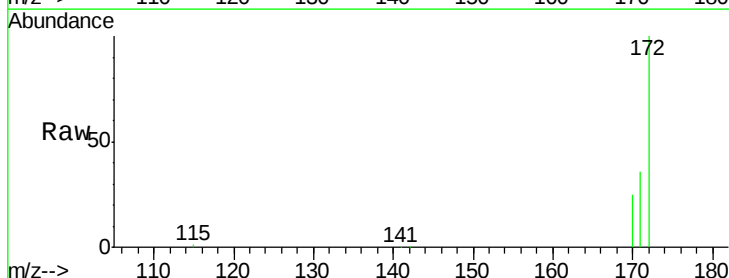
Manual Integrations

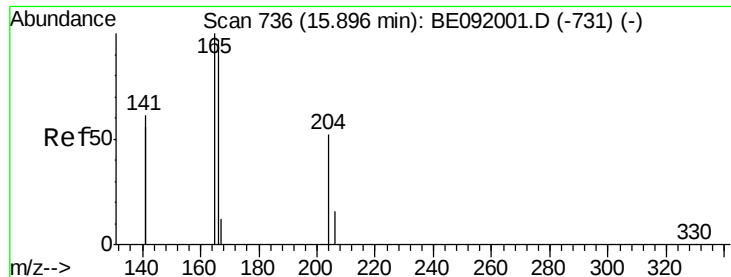
sohil
 7/25/2016 6:46:40 PM



#17
 2-Fluorobiphenyl
 Concen: 3.76 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092033.D
 Acq: 23 Jul 2016 8:18

Tgt Ion:172 Resp: 96746
 Ion Ratio Lower Upper
 172 100
 171 36.4 24.3 36.5
 170 25.4 14.9 22.3#





#22

Fluorene

Concen: 0.17 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE092033.D

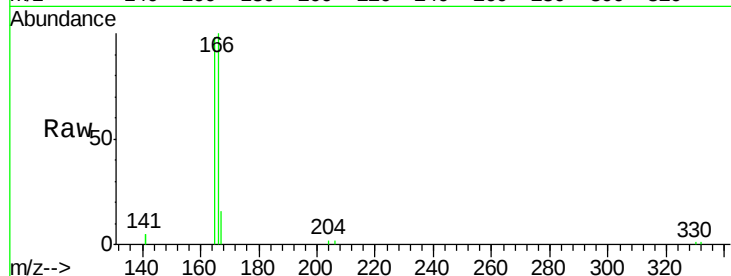
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004

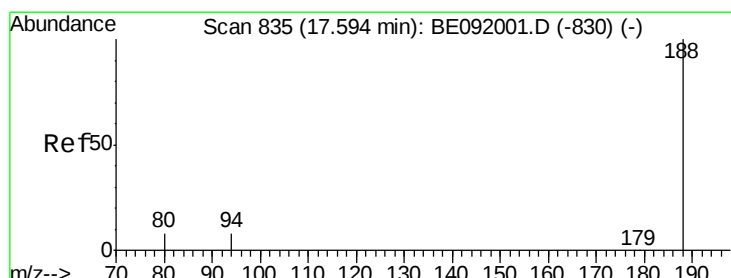
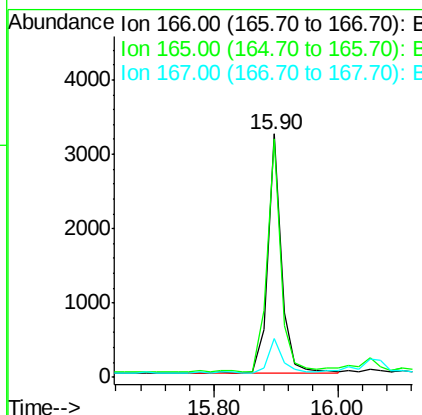
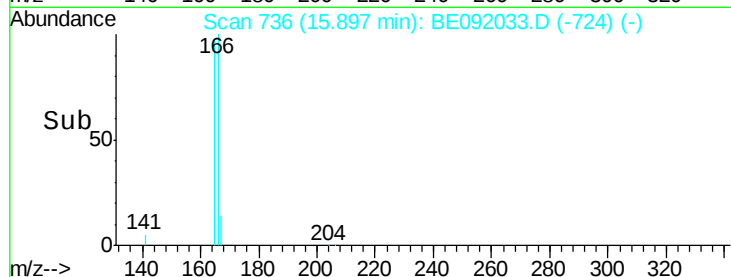


Tgt Ion:	166	Resp:	5113
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.6	117.8
167	16.5	10.8	16.2#

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#24

Phenanthrene-d10

Concen: 5.00 ng

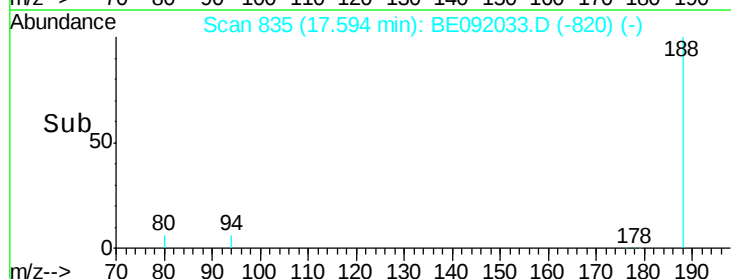
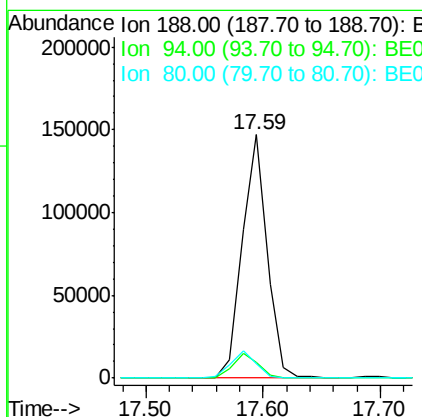
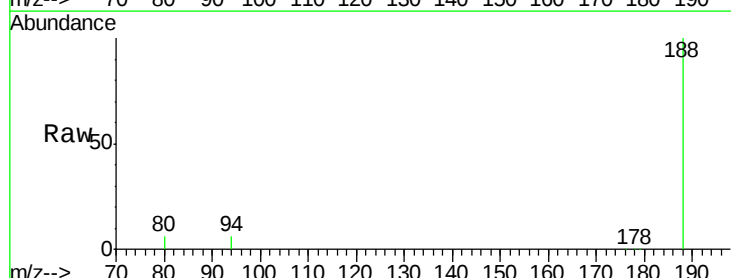
RT: 17.59 min Scan# 835

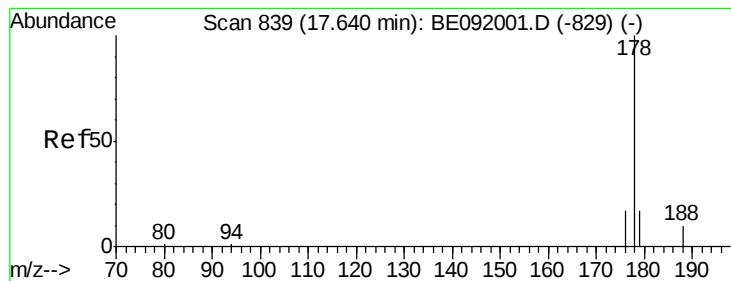
Delta R.T. 0.00 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion:	188	Resp:	217228
Ion Ratio	Lower	Upper	
188	100		
94	6.4	4.1	6.1#
80	5.7	3.4	5.2#





#28

Phenanthrene

Concen: 1.32 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092033.D

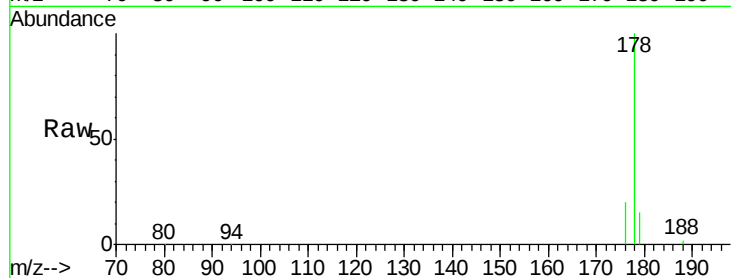
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004

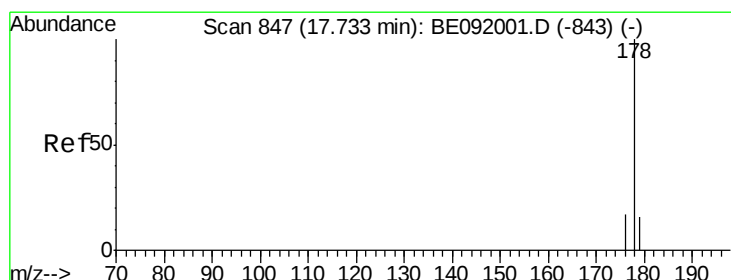
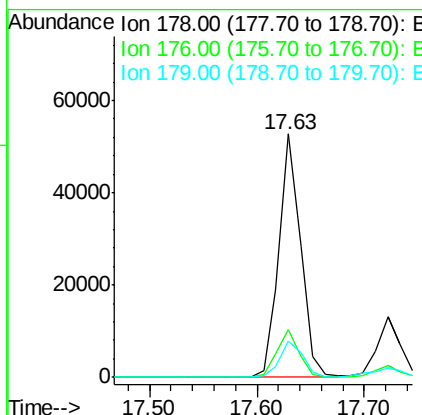
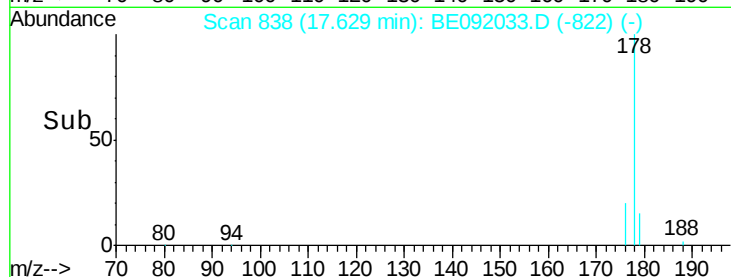


Tgt Ion:	178	Resp:	74018
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.4	23.2
179	15.8	12.9	19.3

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#29

Anthracene

Concen: 0.41 ng m

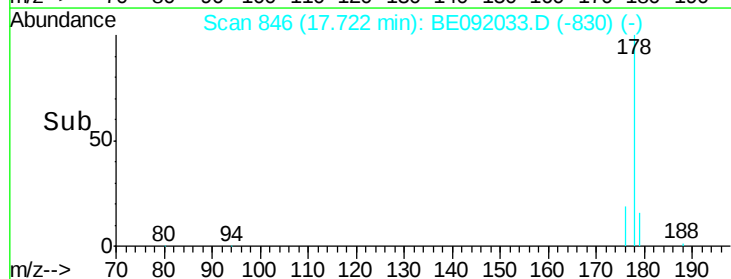
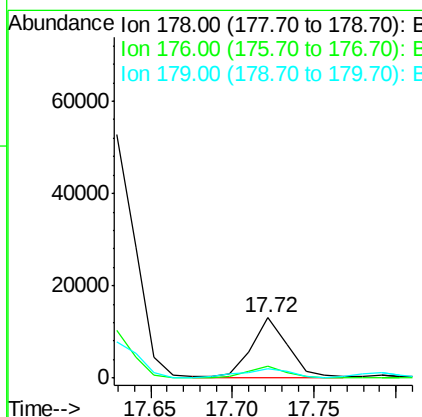
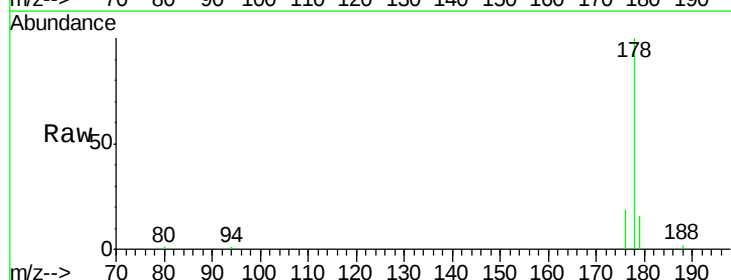
RT: 17.72 min Scan# 846

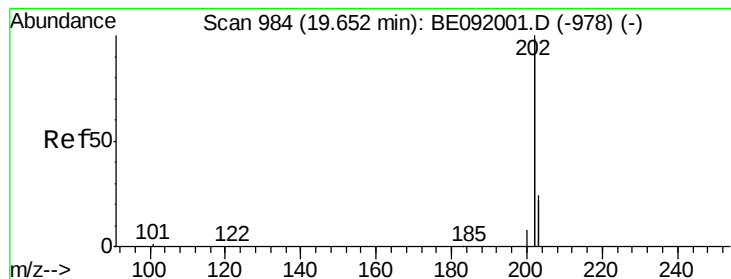
Delta R.T. -0.01 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion:	178	Resp:	20764
Ion Ratio	Lower	Upper	
178	100		
176	69.9	15.1	22.7#
179	56.2	12.1	18.1#





#30

Fluoranthene

Concen: 1.79 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092033.D

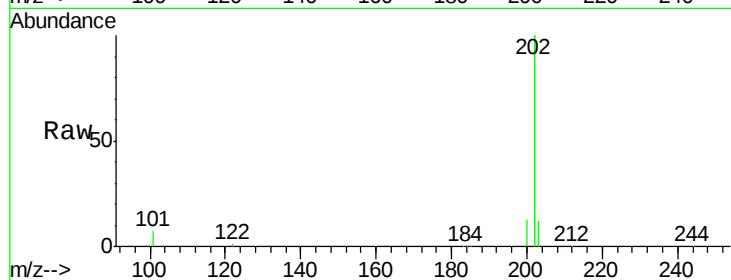
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004

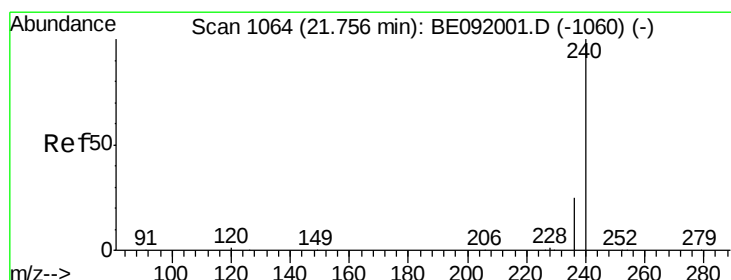
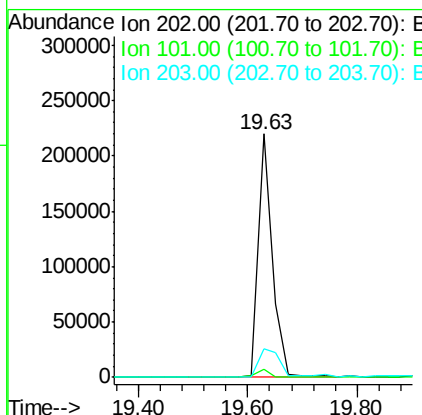
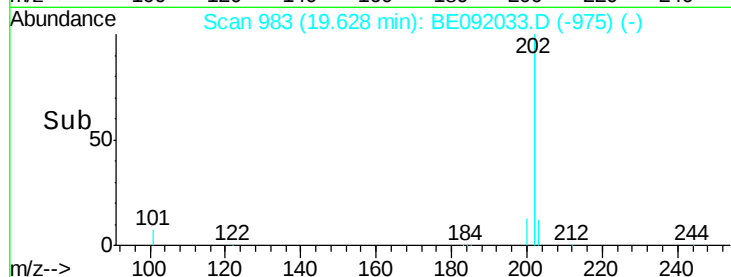


Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	9.4	14.0#
203	16.4	14.3	21.5

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#31

Chrysene-d12

Concen: 5.00 ng

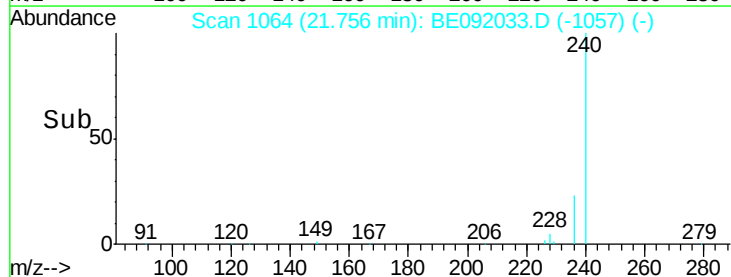
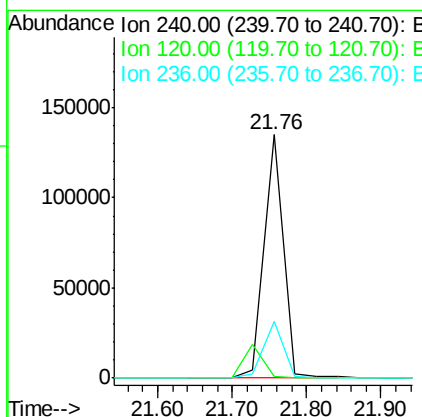
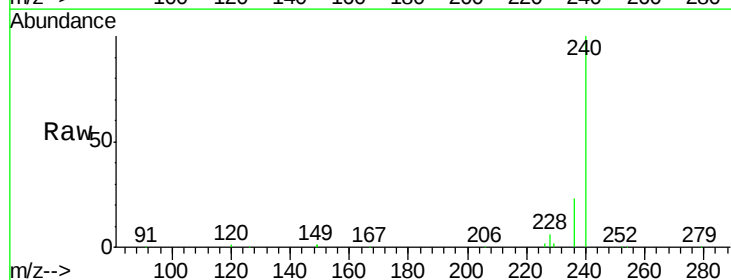
RT: 21.76 min Scan# 1064

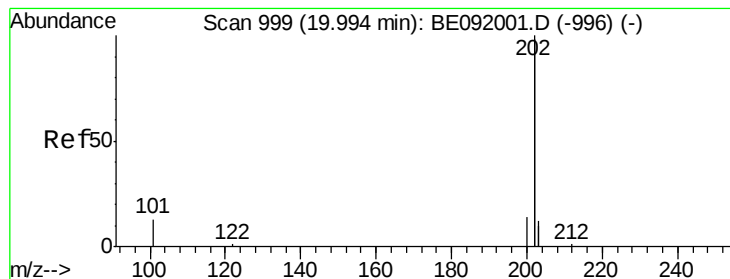
Delta R.T. 0.00 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.6	1.2	1.8#
236	23.2	19.8	29.8





#33

Pyrene

Concen: 2.11 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092033.D

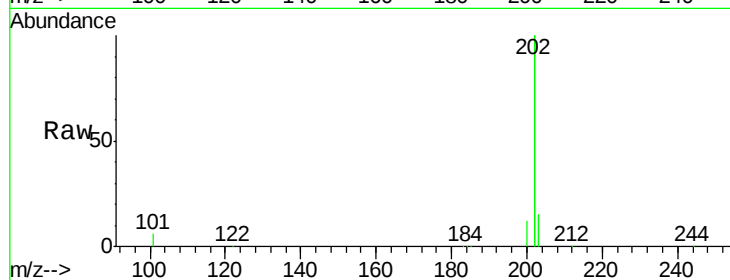
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004



Tgt Ion: 202 Resp: 376663

Ion Ratio Lower Upper

202 100

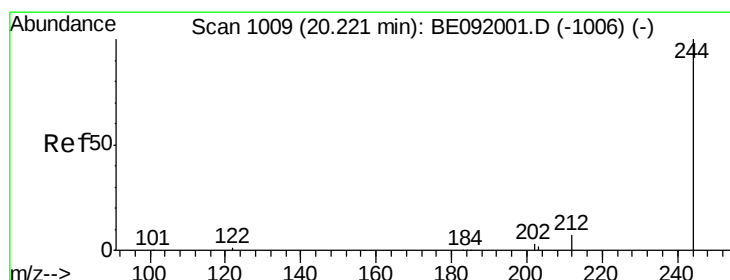
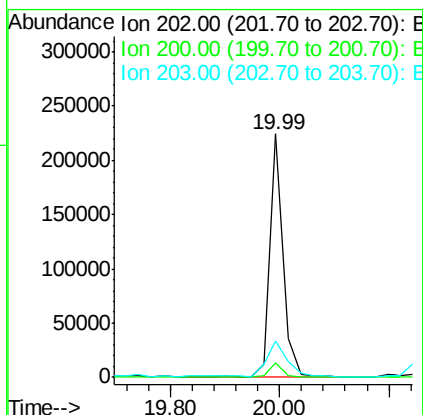
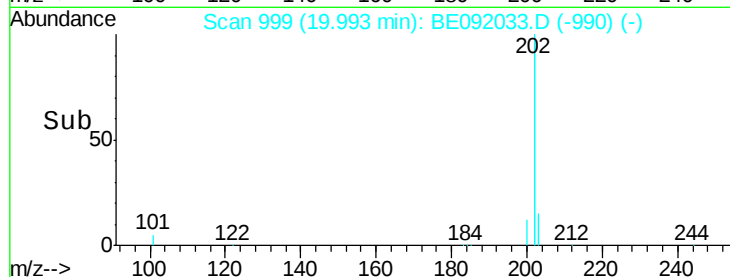
200 5.7 16.9 25.3#

203 21.9 14.1 21.1#

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#34

Terphenyl-d14

Concen: 4.60 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

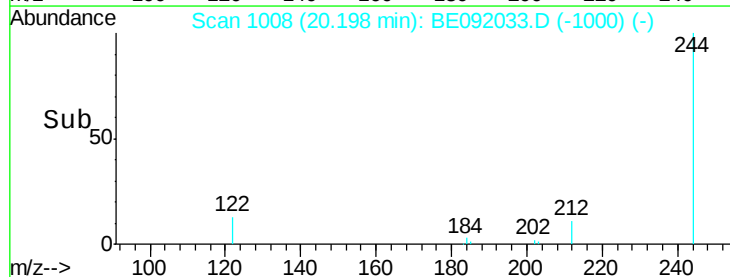
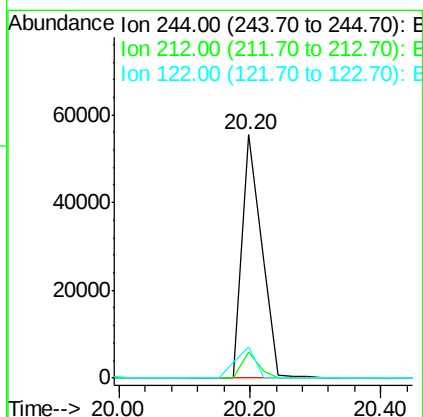
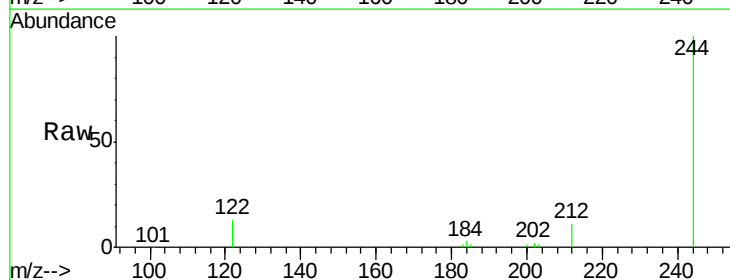
Tgt Ion: 244 Resp: 113817

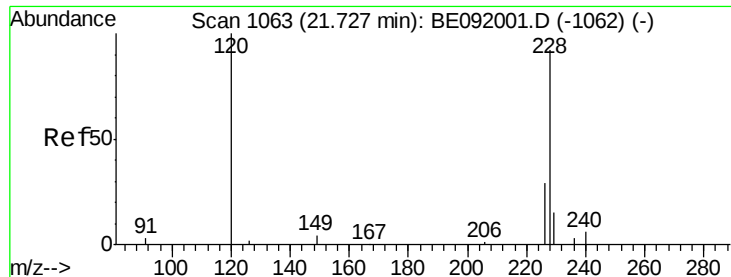
Ion Ratio Lower Upper

244 100

212 10.7 6.5 9.7#

122 12.9 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 1.38 ng m

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092033.D

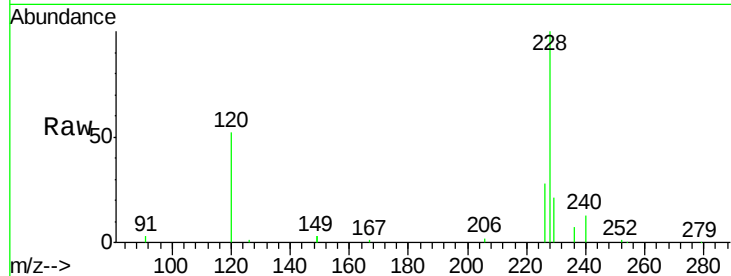
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004

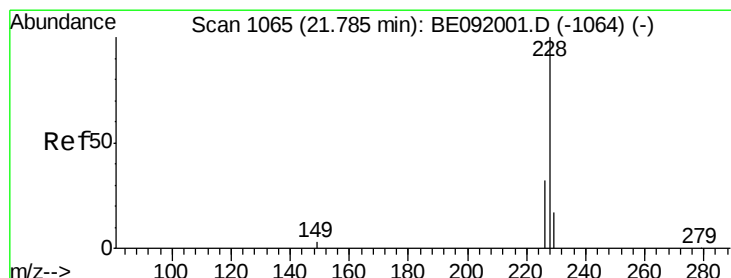
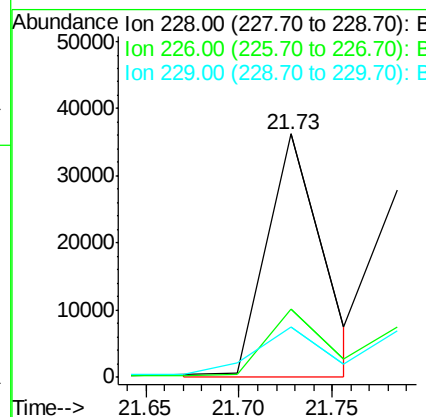


Tgt Ion:	228	Resp:	76352
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.0	31.4
229	20.9	15.8	23.8

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#37

Chrysene

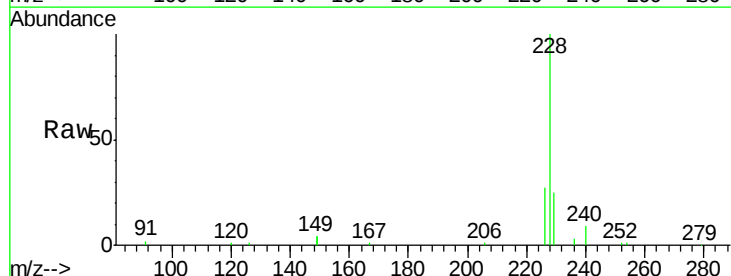
Concen: 0.75 ng m

RT: 21.78 min Scan# 1065

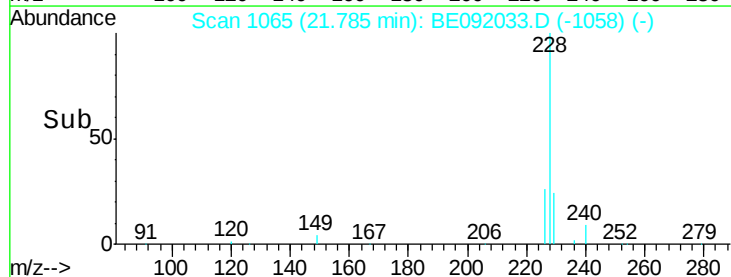
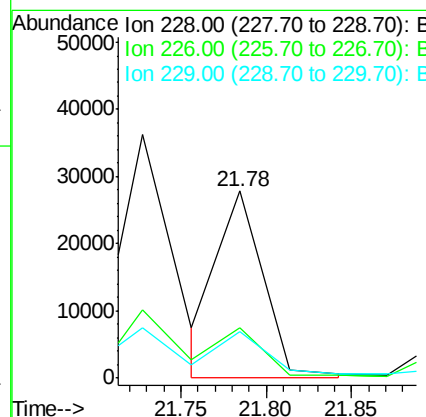
Delta R.T. 0.00 min

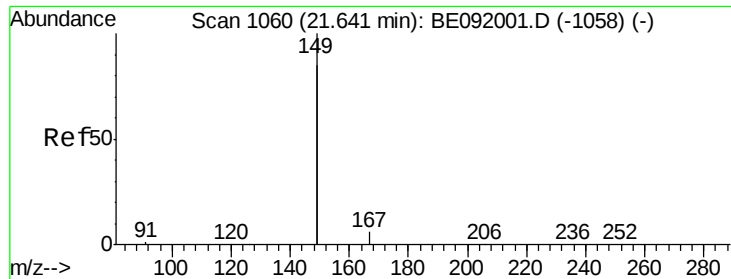
Lab File: BE092033.D

Acq: 23 Jul 2016 8:18



Tgt Ion:	228	Resp:	50754
Ion Ratio	Lower	Upper	
228	100		
226	26.9	27.0	40.6#
229	25.0	13.8	20.8#





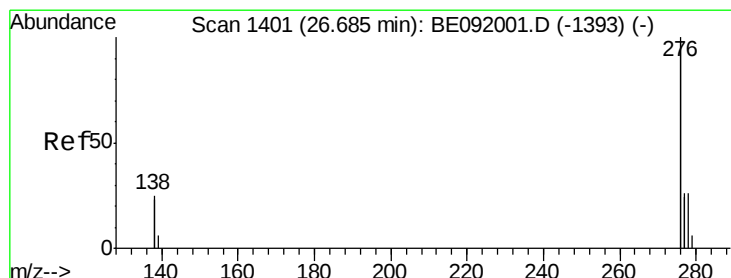
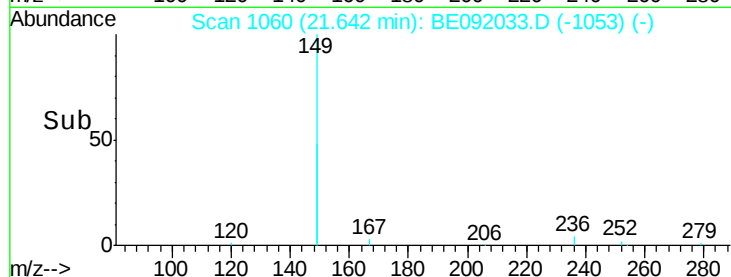
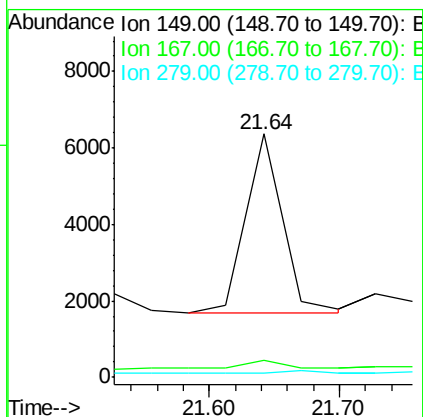
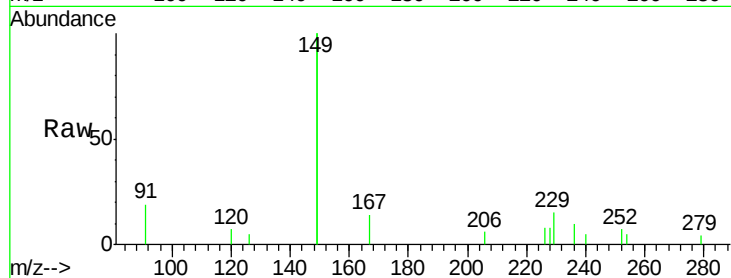
#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092033.D
 Acq: 23 Jul 2016 8:18

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Tgt Ion: 149 Resp: 9118
 Ion Ratio Lower Upper
 149 100
 167 4.2 0.0 0.0#
 279 0.0 0.0 0.0

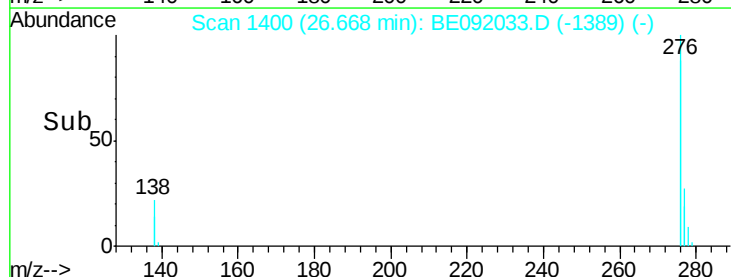
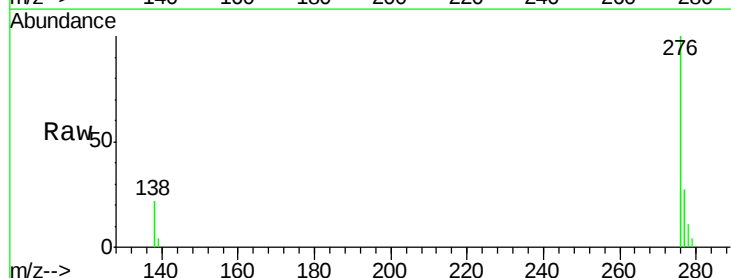
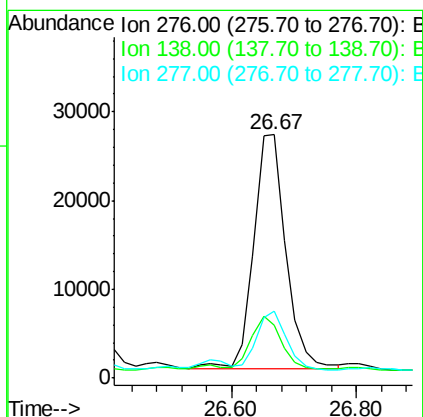
Manual Integrations

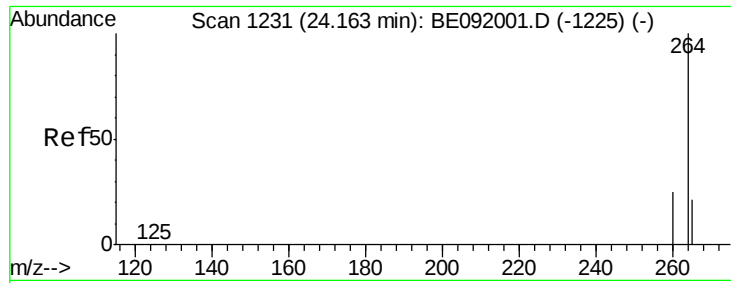
sohil
 7/25/2016 6:46:40 PM



#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.51 ng
 RT: 26.67 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: BE092033.D
 Acq: 23 Jul 2016 8:18

Tgt Ion: 276 Resp: 94752
 Ion Ratio Lower Upper
 276 100
 138 22.2 19.7 29.5
 277 23.1 20.1 30.1





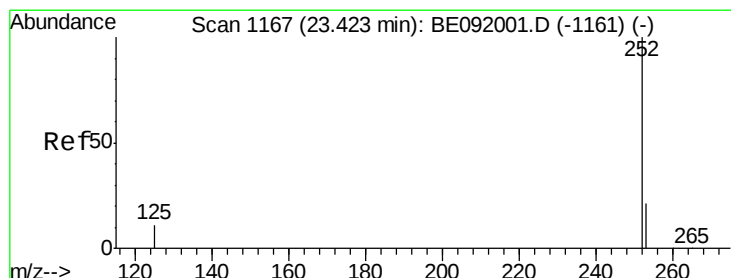
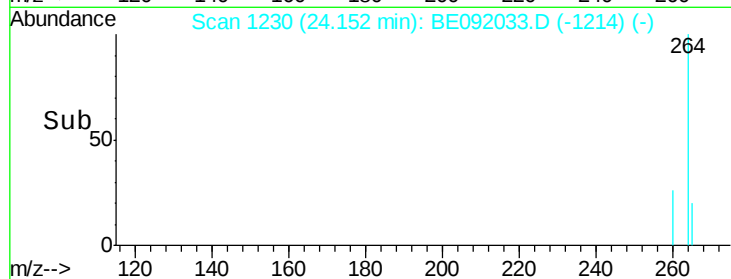
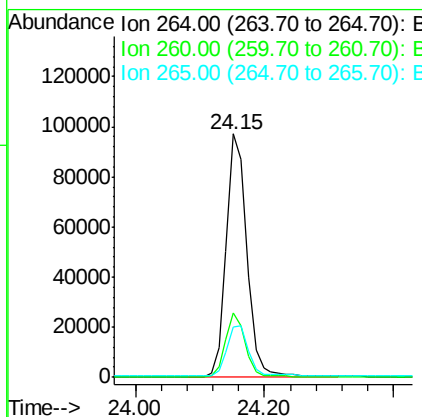
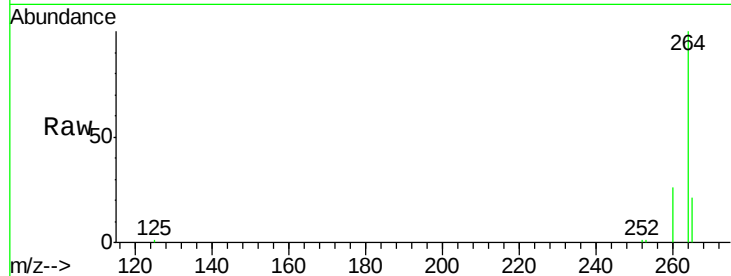
#40
Perylene-d12
 Concen: 5.00 ng
 RT: 24.15 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BE092033.D
 Acq: 23 Jul 2016 8:18

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.3	30.5
265	20.9	17.6	26.4

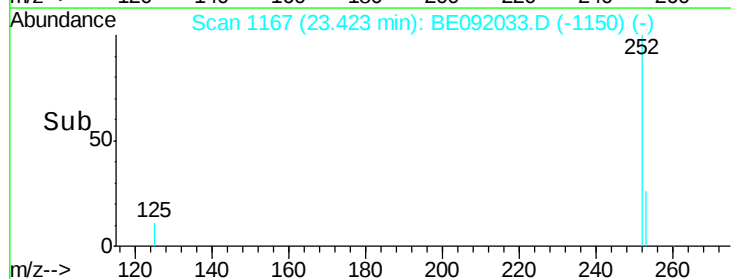
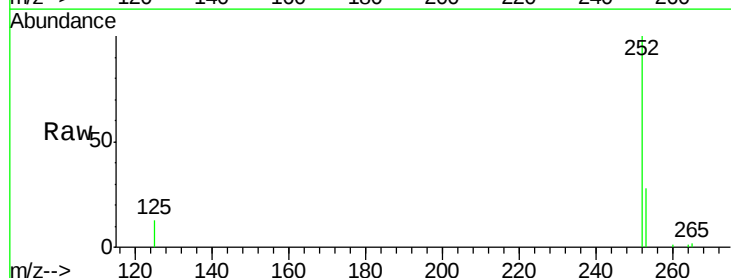
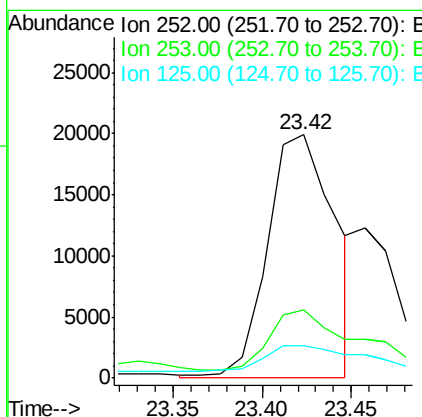
Manual Integrations

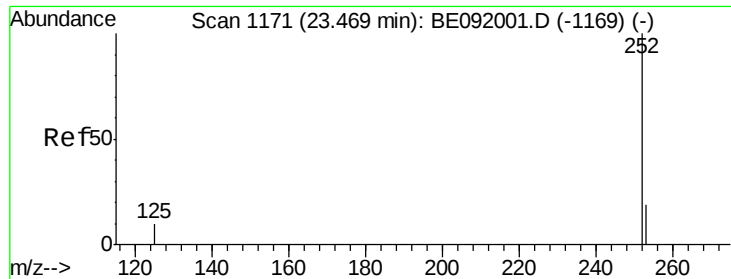
sohil
 7/25/2016 6:46:40 PM



#41
Benzo(b)fluoranthene
 Concen: 0.94 ng m
 RT: 23.42 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BE092033.D
 Acq: 23 Jul 2016 8:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.8	26.6#
125	13.4	9.4	14.2





#42

Benzo(k)fluoranthene

Concen: 0.39 ng m

RT: 23.46 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BE092033.D

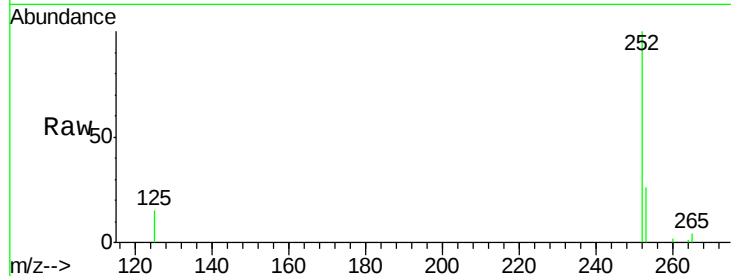
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004

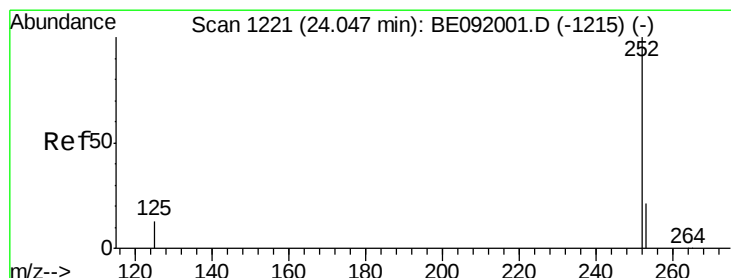
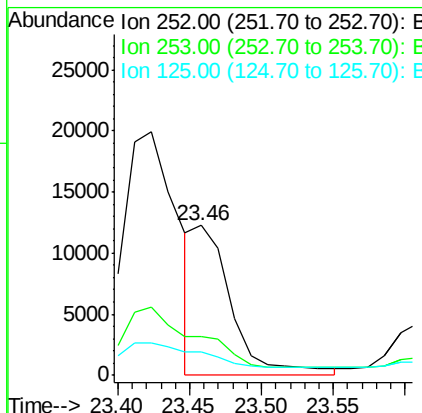
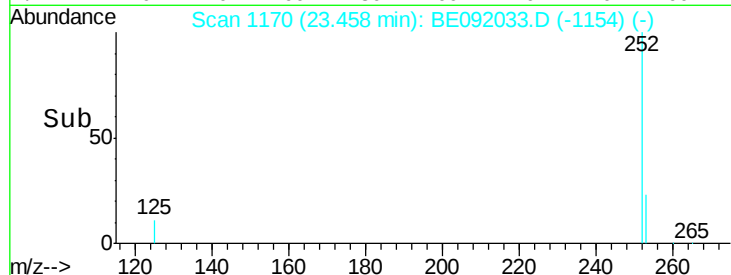


Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.2
125	15.4	8.3	12.5

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#43

Benzo(a)pyrene

Concen: 0.76 ng

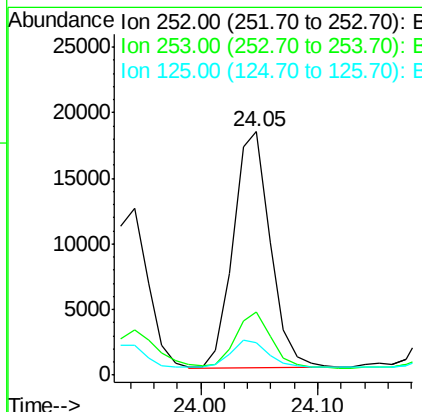
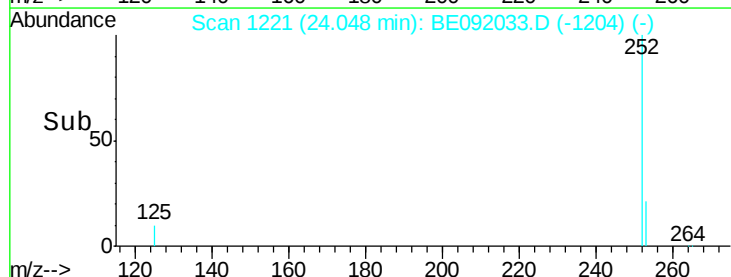
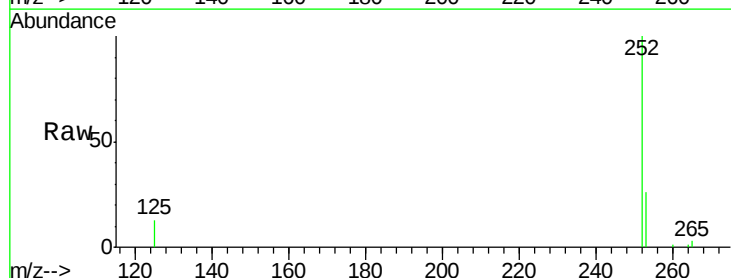
RT: 24.05 min Scan# 1221

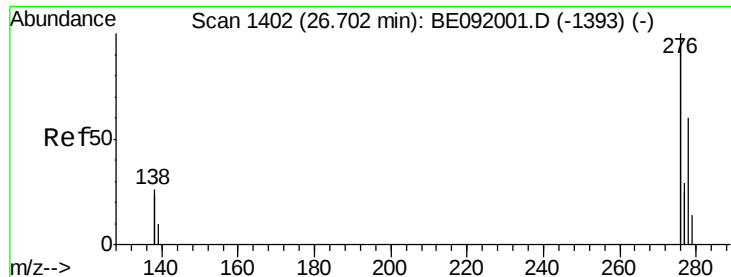
Delta R.T. 0.00 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.9	28.3
125	13.3	10.5	15.7





#44

Dibenzo(a,h)anthracene

Concen: 0.11 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE092033.D

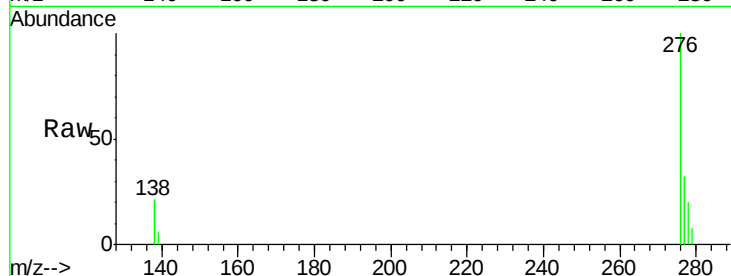
Acq: 23 Jul 2016 8:18

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004



Tgt Ion: 278 Resp: 5337

Ion Ratio Lower Upper

278 100

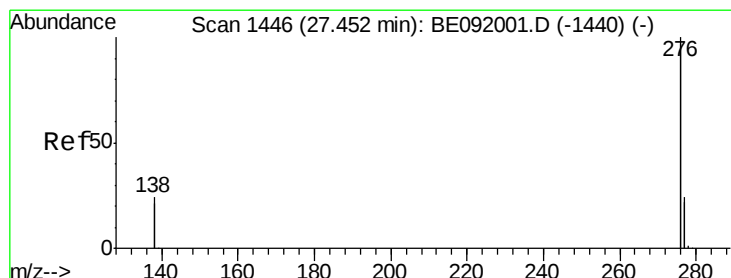
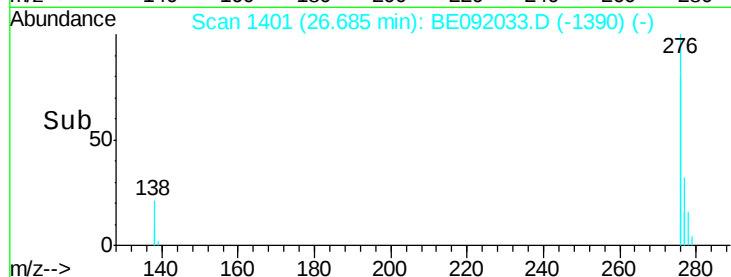
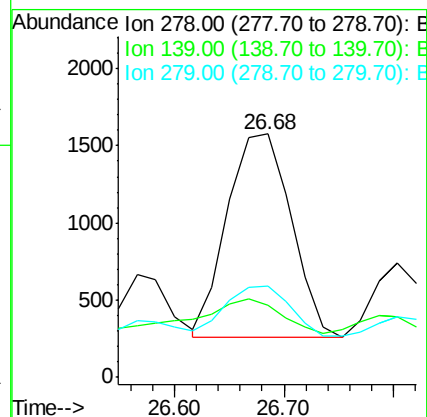
139 29.6 12.6 18.8#

279 37.7 20.0 30.0#

Manual Integrations

sohil

7/25/2016 6:46:40 PM



#45

Benzo(g,h,i)perylene

Concen: 0.52 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BE092033.D

Acq: 23 Jul 2016 8:18

Tgt Ion: 276 Resp: 100159

Ion Ratio Lower Upper

276 100

277 25.1 19.5 29.3

138 23.8 17.7 26.5

