Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092032.D
Acq On : 23 Jul 2016 7:39
Operator : UM/SJ
Sample : H4107-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : TILCON-MH-SF-005

Quant Time: Jul 25 02:11:42 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

sohil

7/25/2016 6:46:37 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	28466	5.00	ng		0.00
8) Naphthalene-d8	10.99	136	143702	5.00	ng		0.00
15) Acenaphthene-d10	14.86	164	93489	5.00	ng		0.00
24) Phenanthrene-d10	17.59	188	212397	5.00	ng		0.00
31) Chrysene-d12	21.76	240	219603	5.00	ng		0.00
40) Perylene-d12	24.15	264	199272	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.72	112	37870	6.86	ng		0.00
5) Phenol-d6	7.35	99	62050	6.35	ng		-0.02
9) Nitrobenzene-d5	9.37	82	33322	3.85	ng		-0.02
16) 2,4,6-Tribromophenol	16.35	330	16528	5.16	ng		0.00
17) 2-Fluorobiphenyl	13.47	172	87586	3.56	ng		-0.01
34) Terphenyl-d14	20.20	244	119786	5.43	ng		-0.02
Target Compounds							Qvalue
18) Acenaphthylene	14.56	152	9841	0.07	ng	#	72
22) Fluorene	15.90	166	2991	0.10	ng		90
28) Phenanthrene	17.63	178	28391	0.52	ng		100
29) Anthracene	17.72	178	6132	0.12	ng		97
30) Fluoranthene	19.63	202	101365	0.46	ng	#	89
33) Pyrene	19.99	202	104887	0.66	ng	#	81
35) Benzo(a)anthracene	21.73	228	17041m	0.34	ng		
37) Chrysene	21.79	228	9021m	0.15	ng		
38) Bis(2-ethylhexyl)phthalate	21.64	149	6585	0.22	ng	#	100
39) Indeno(1,2,3-cd)pyrene	26.67	276	15746	0.10	ng		97
41) Benzo(b)fluoranthene	23.42	252	9504m	0.18	ng		
42) Benzo(k)fluoranthene	23.45	252	4050m	0.08	ng		
43) Benzo(a)pyrene	24.05	252	7261	0.15	ng	#	85
45) Benzo(g,h,i)perylene	27.43	276	16078	0.09	ng	#	88

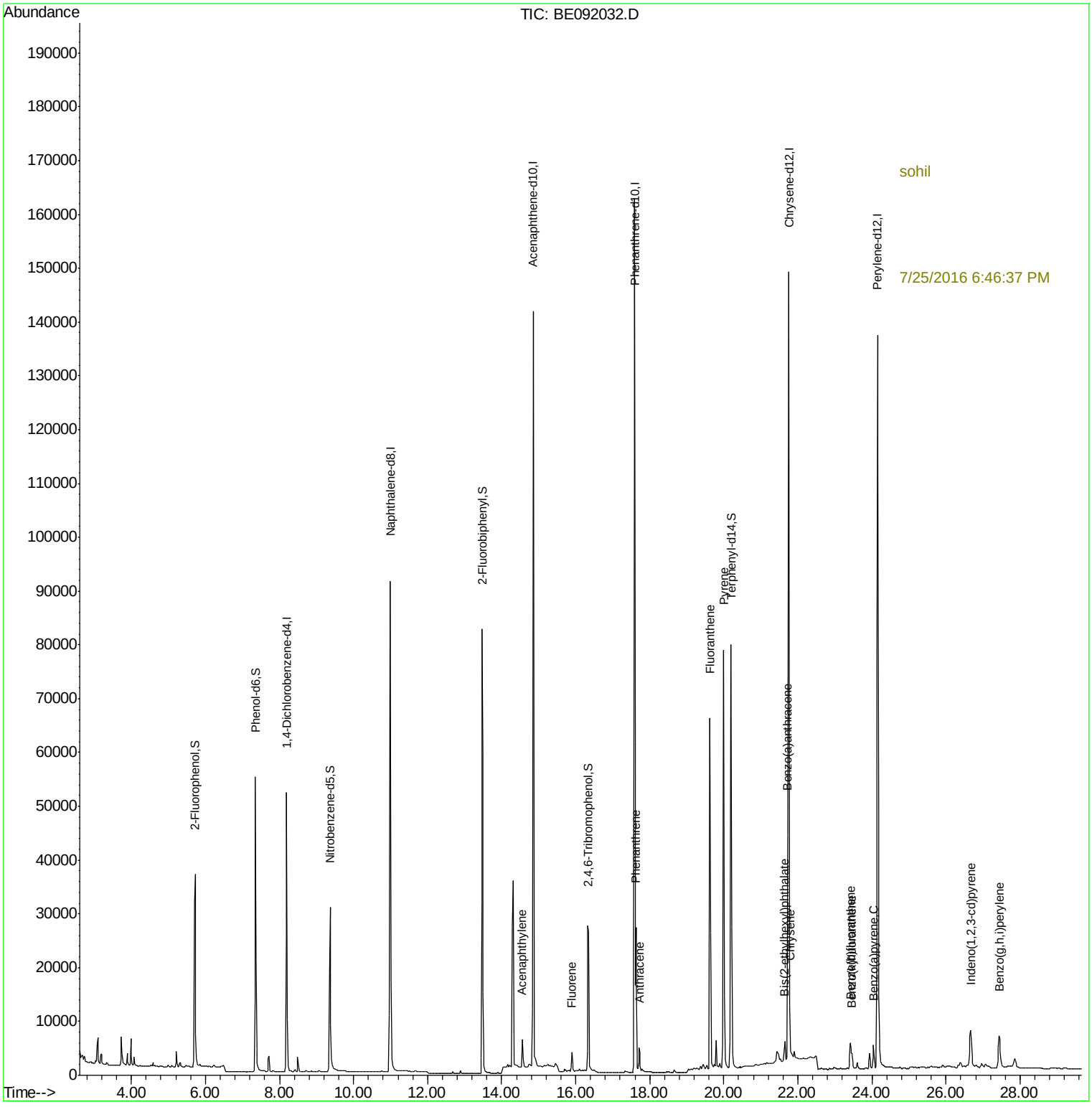
(#) = qualifier out of range (m) = manual integration (+) = signals summed

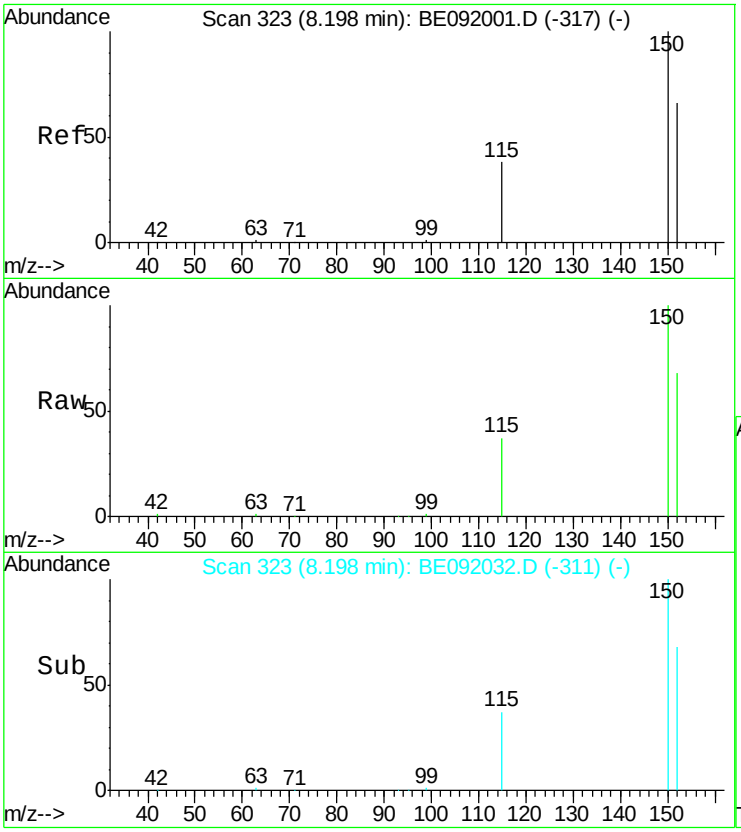
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092032.D
Acq On : 23 Jul 2016 7:39
Operator : UM/SJ
Sample : H4107-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

Quant Time: Jul 25 02:11:42 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

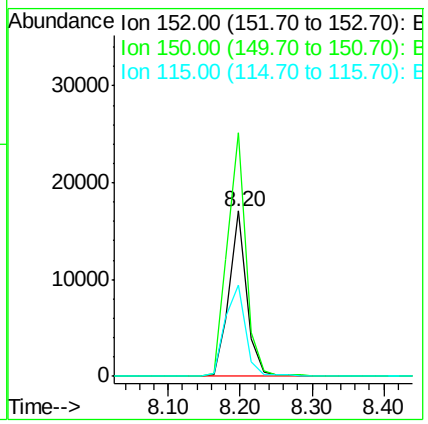




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:152 Resp: 28466

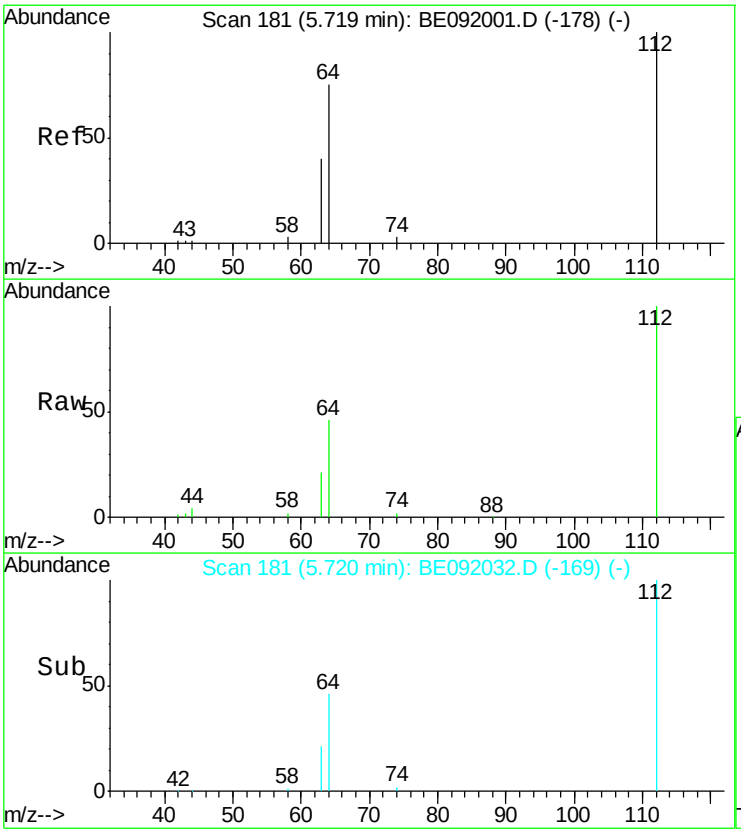
Ion	Ratio	Lower	Upper
152	100		
150	147.6	123.9	185.9
115	55.1	48.3	72.5



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

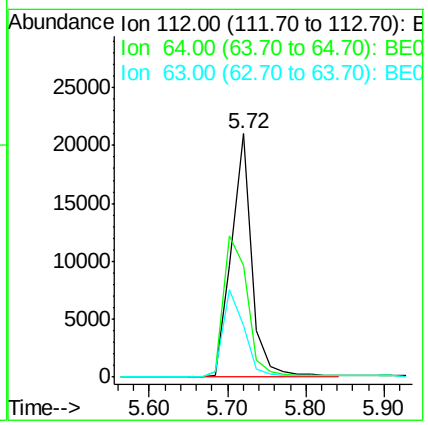
7/25/2016 6:46:37 PM

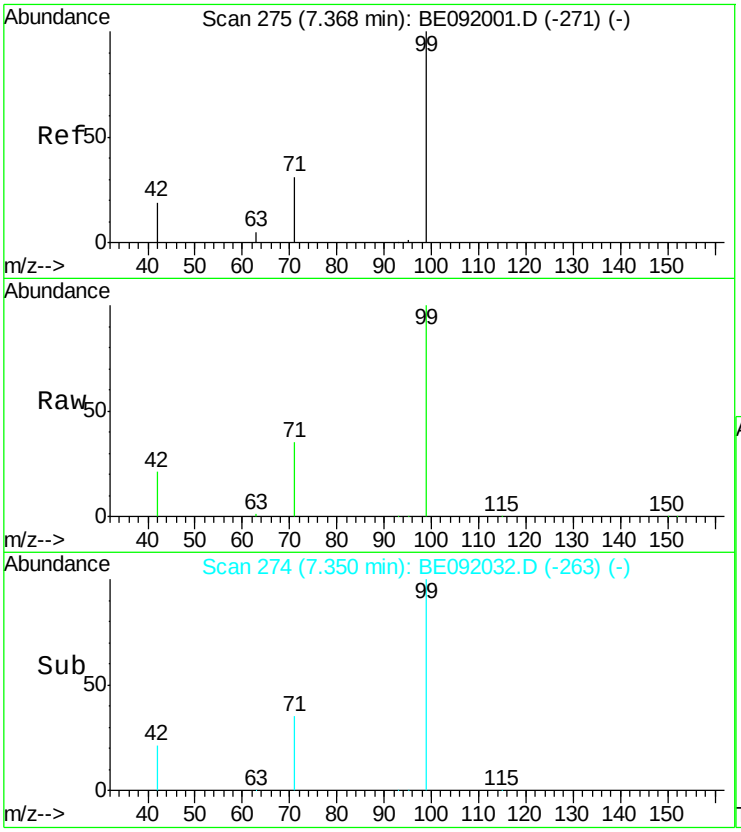


#4
2-Fluorophenol
Concen: 6.86 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:112 Resp: 37870

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.7	80.5
63	37.2	29.5	44.3

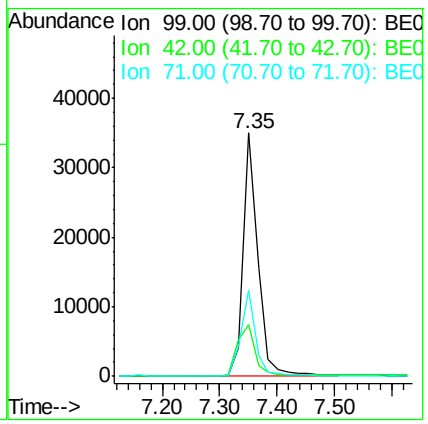




#5
Phenol-d6
Concen: 6.35 ng
RT: 7.35 min Scan# 274
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion: 99 Resp: 62050

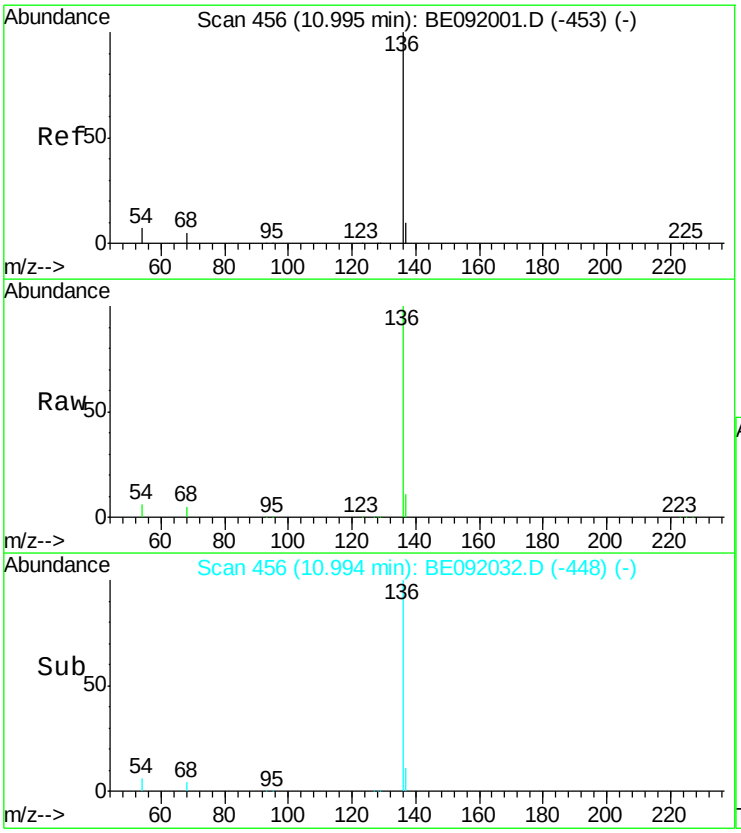
Ion	Ratio	Lower	Upper
99	100		
42	25.0	19.6	29.4
71	35.2	28.1	42.1



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

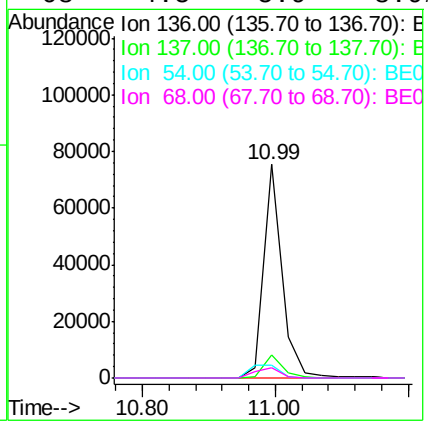
7/25/2016 6:46:37 PM

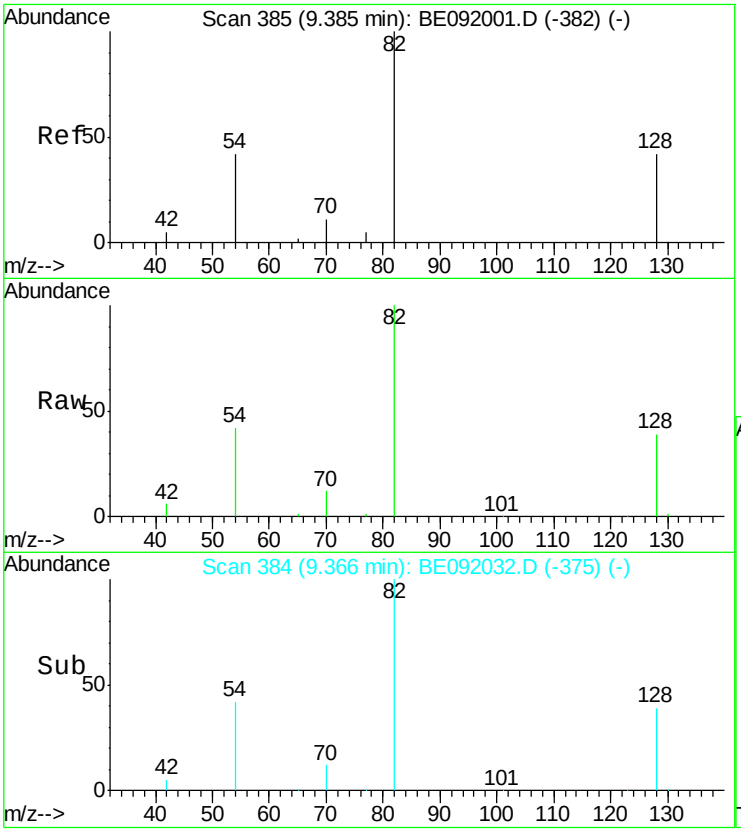


#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 456
Delta R.T. -0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:136 Resp: 143702

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.3	12.5
54	5.9	8.2	12.4#
68	4.5	5.9	8.9#

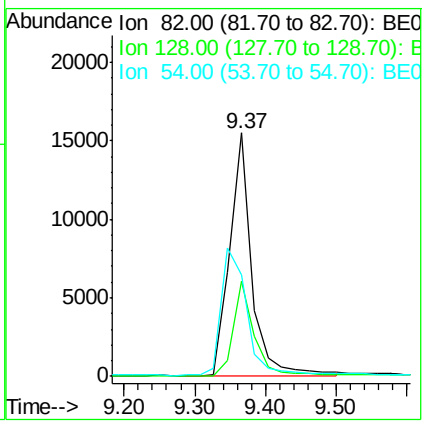




#9
Nitrobenzene-d5
Concen: 3.85 ng
RT: 9.37 min Scan# 384
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion: 82 Resp: 33322

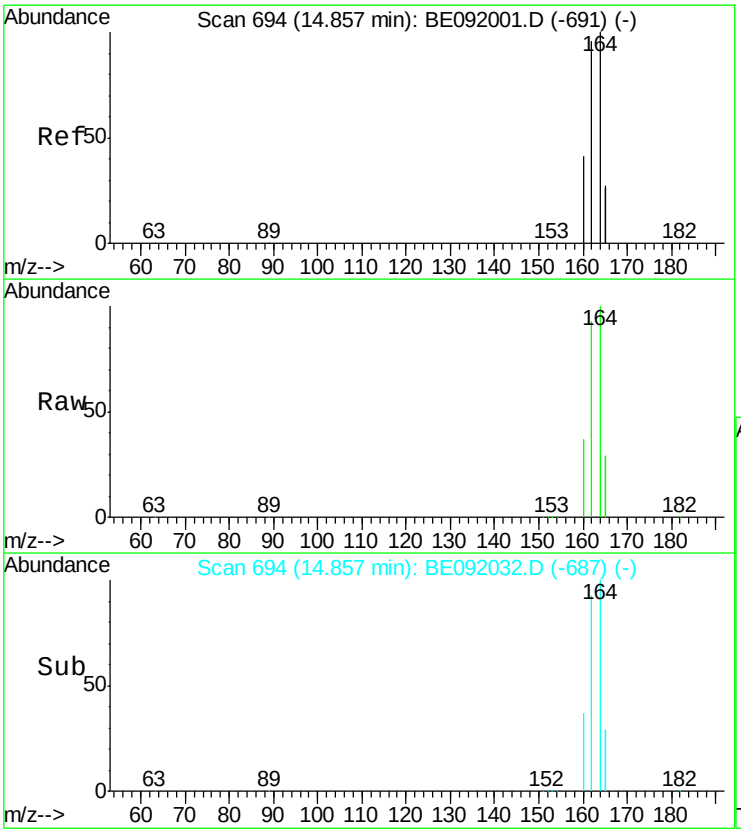
Ion	Ratio	Lower	Upper
82	100		
128	39.3	39.5	59.3#
54	41.9	30.3	45.5



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

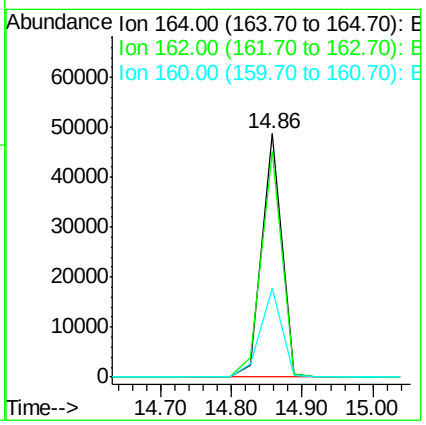
7/25/2016 6:46:37 PM

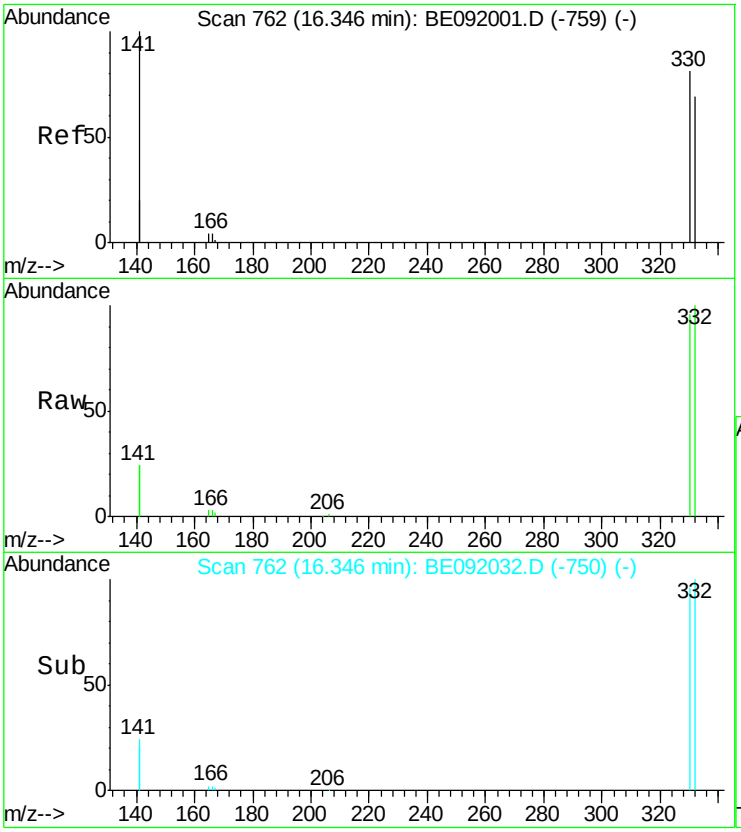


#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:164 Resp: 93489

Ion	Ratio	Lower	Upper
164	100		
162	92.8	71.8	107.8
160	36.6	28.0	42.0

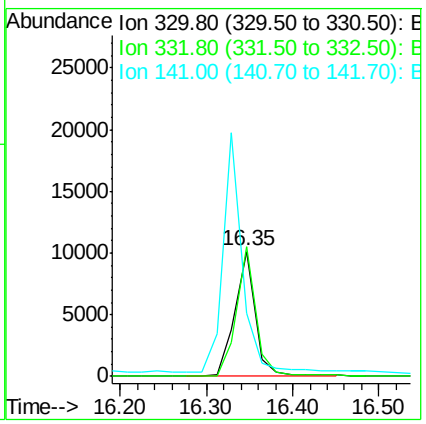




#16
2,4,6-Tribromophenol
Concen: 5.16 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:330 Resp: 16528

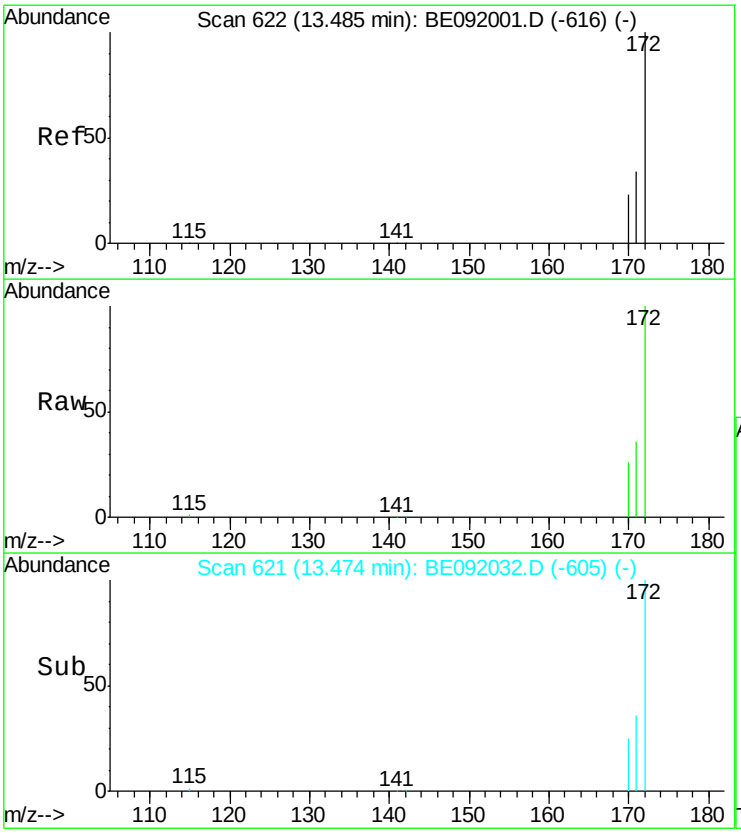
Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	180.7	138.4	207.6



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

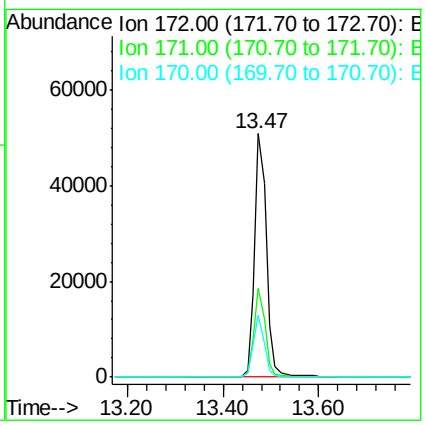
7/25/2016 6:46:37 PM

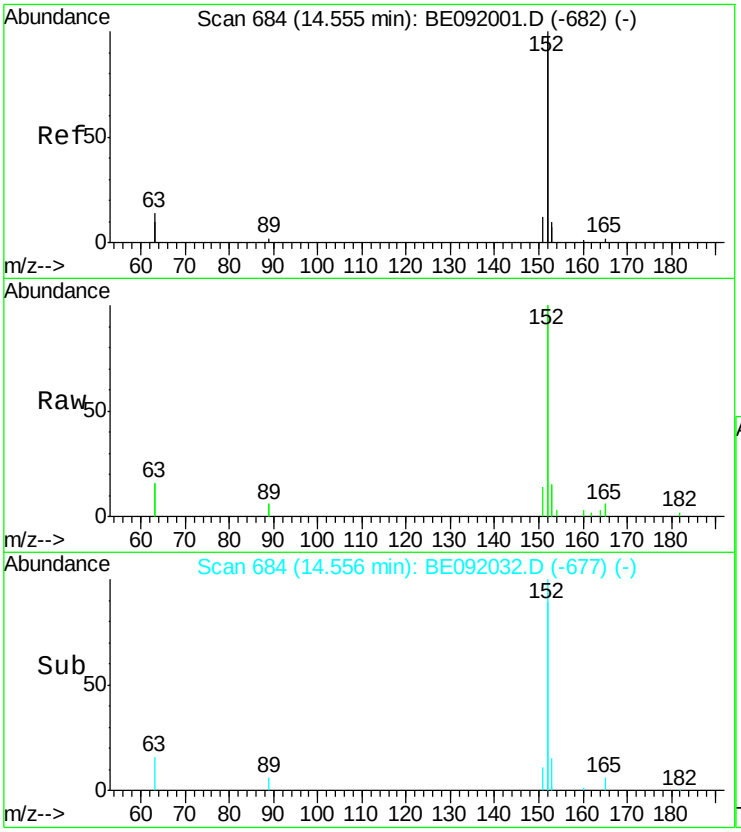


#17
2-Fluorobiphenyl
Concen: 3.56 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.01 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:172 Resp: 87586

Ion	Ratio	Lower	Upper
172	100		
171	36.5	24.3	36.5#
170	25.5	14.9	22.3#

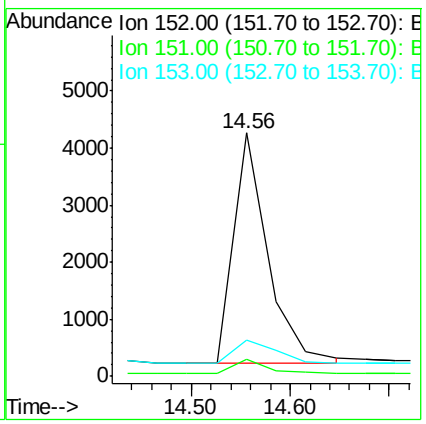




#18
Acenaphthylene
Concen: 0.07 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:152 Resp: 9841

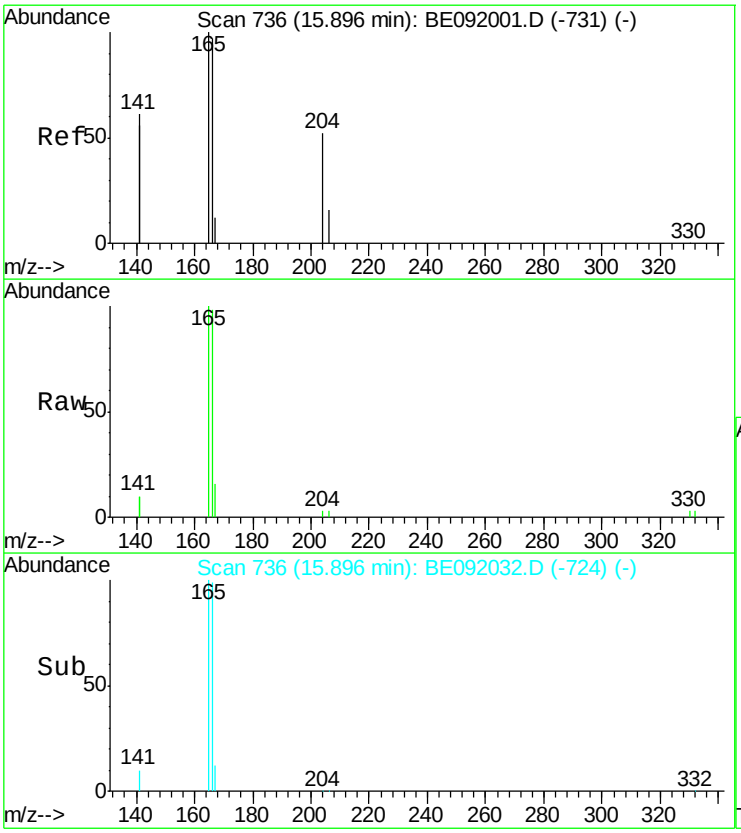
Ion	Ratio	Lower	Upper
152	100		
151	5.6	19.4	29.2#
153	11.7	14.4	21.6#



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

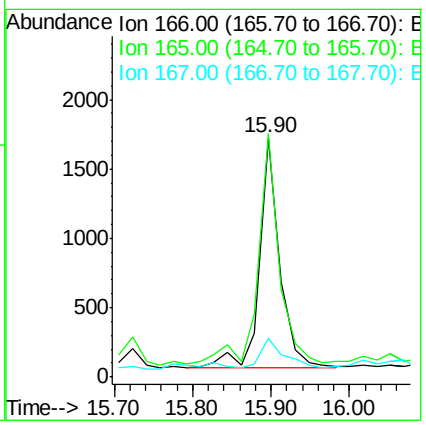
7/25/2016 6:46:37 PM

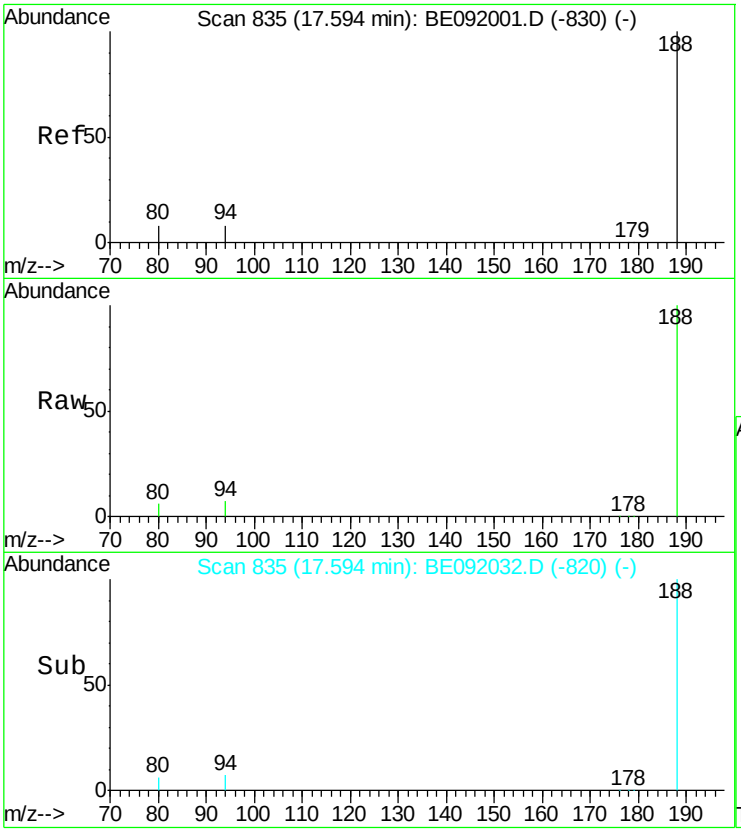


#22
Fluorene
Concen: 0.10 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:166 Resp: 2991

Ion	Ratio	Lower	Upper
166	100		
165	109.1	78.6	117.8
167	15.5	10.8	16.2

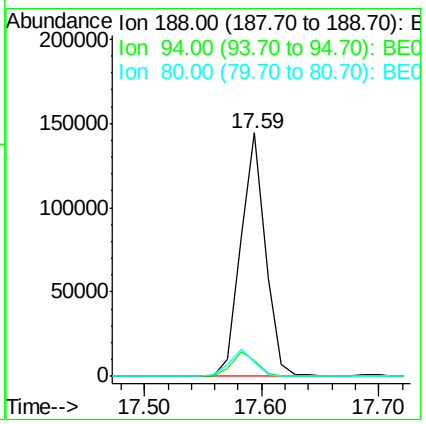




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:188 Resp: 212397

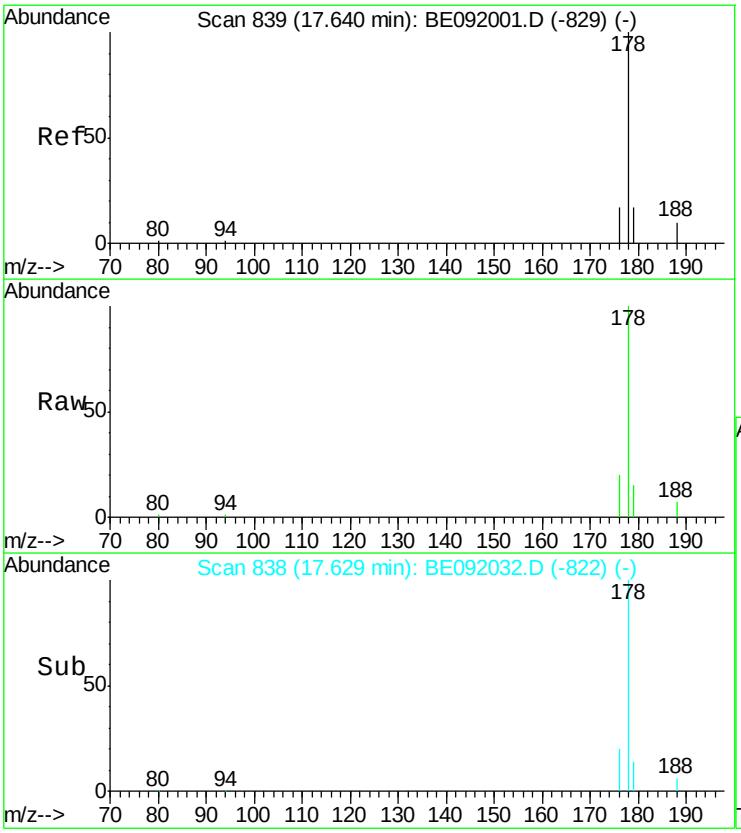
Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.1	6.1#
80	5.9	3.4	5.2#



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

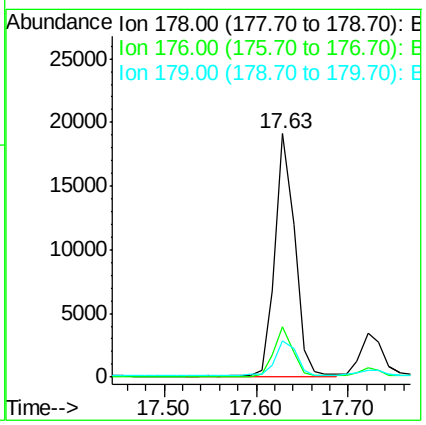
7/25/2016 6:46:37 PM

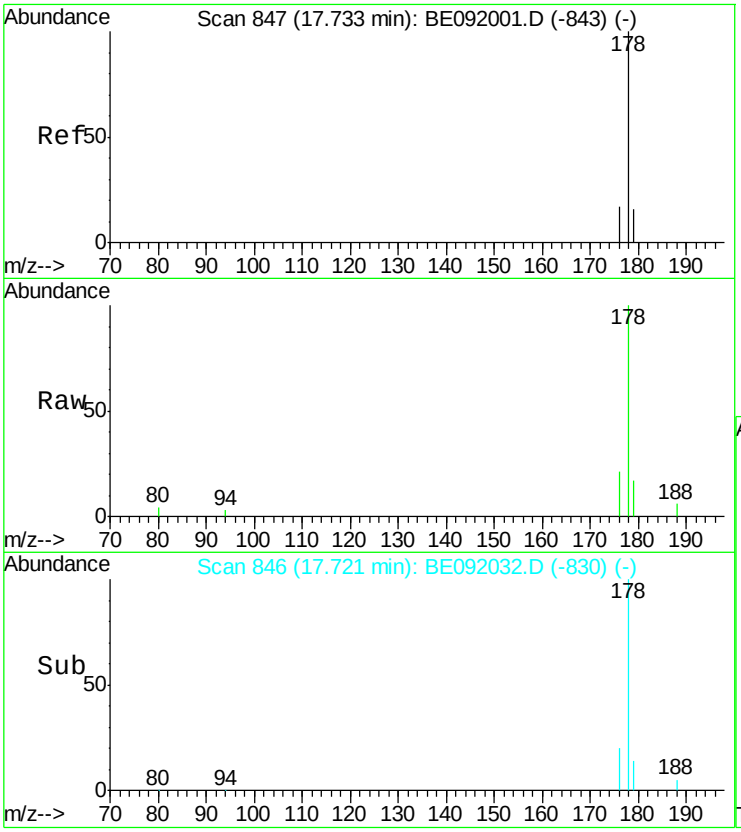


#28
Phenanthrene
Concen: 0.52 ng
RT: 17.63 min Scan# 838
Delta R.T. -0.01 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:178 Resp: 28391

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.0	12.9	19.3

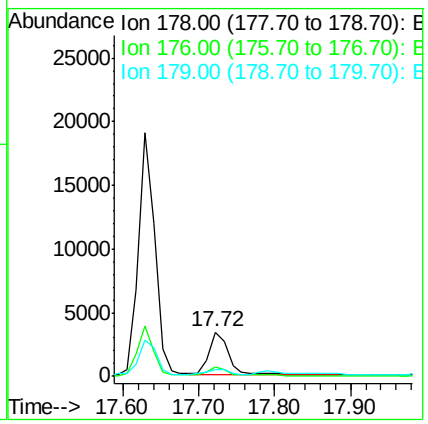




#29
Anthracene
Concen: 0.12 ng
RT: 17.72 min Scan# 846
Delta R.T. -0.01 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:178 Resp: 6132

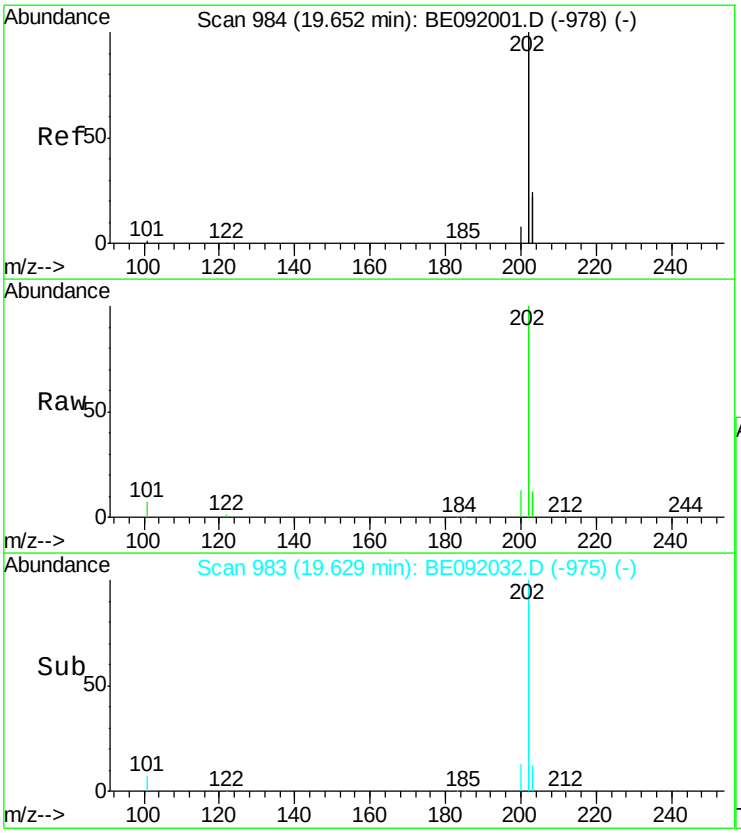
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	13.3	12.1	18.1



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

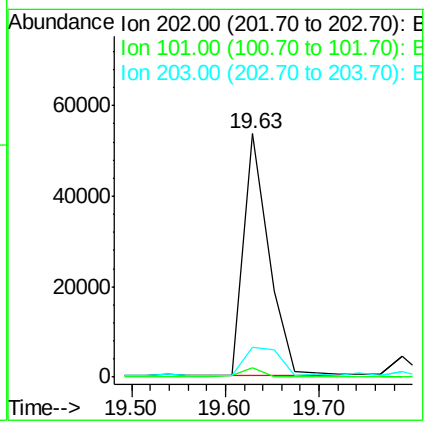
7/25/2016 6:46:37 PM

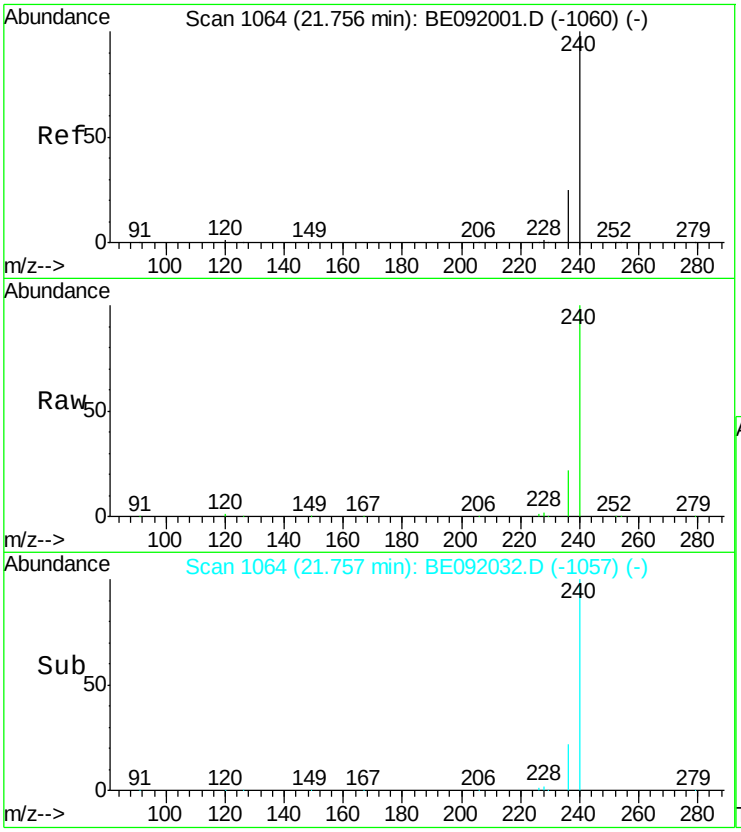


#30
Fluoranthene
Concen: 0.46 ng
RT: 19.63 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:202 Resp: 101365

Ion	Ratio	Lower	Upper
202	100		
101	3.0	9.4	14.0#
203	16.5	14.3	21.5

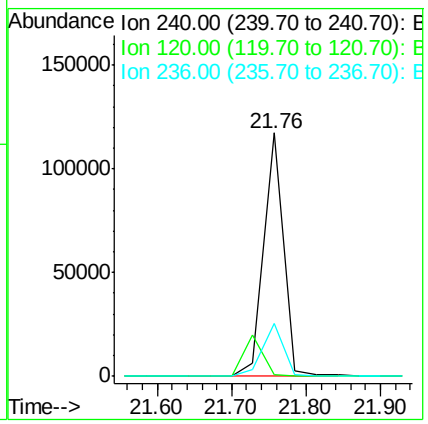




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:240 Resp: 219603

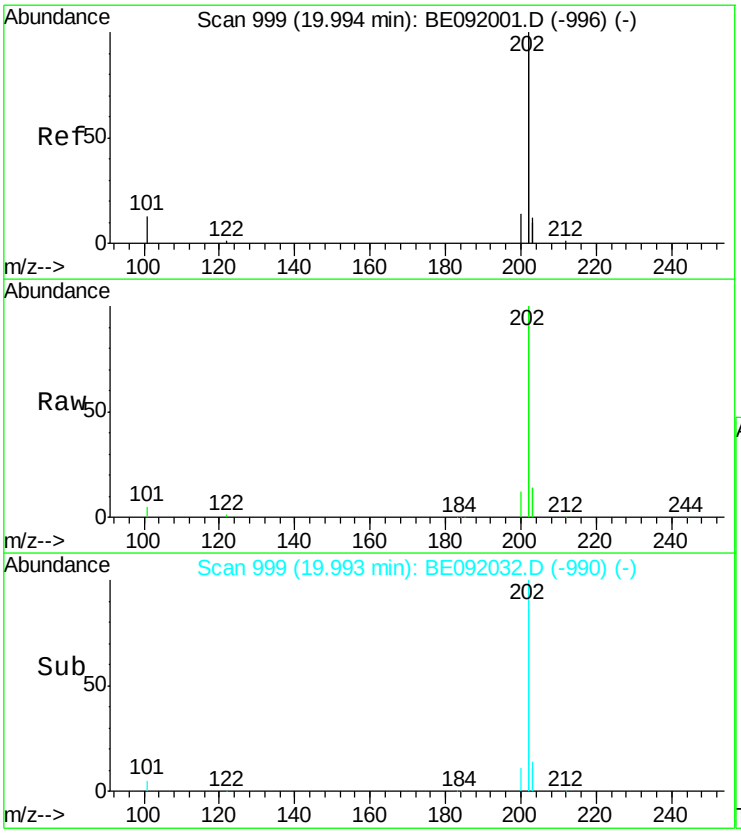
Ion	Ratio	Lower	Upper
240	100		
120	0.6	1.2	1.8#
236	22.0	19.8	29.8



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

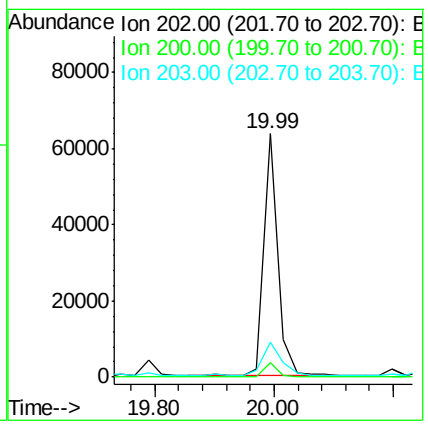
7/25/2016 6:46:37 PM

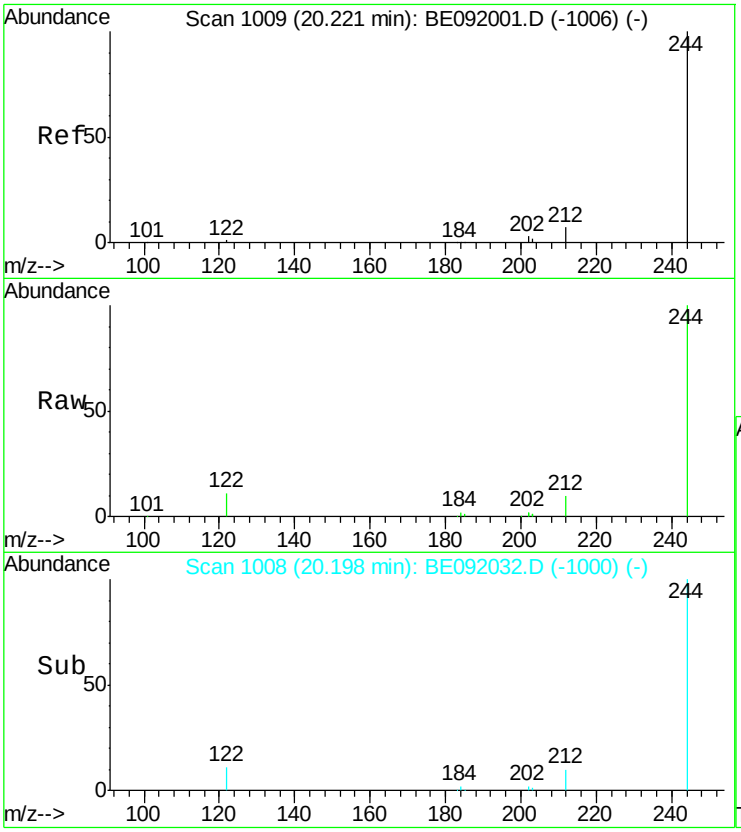


#33
Pyrene
Concen: 0.66 ng
RT: 19.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:202 Resp: 104887

Ion	Ratio	Lower	Upper
202	100		
200	5.6	16.9	25.3#
203	18.5	14.1	21.1

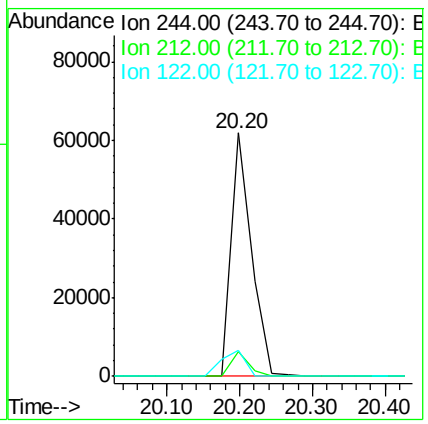




#34
Terphenyl-d14
Concen: 5.43 ng
RT: 20.20 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:244 Resp: 119786

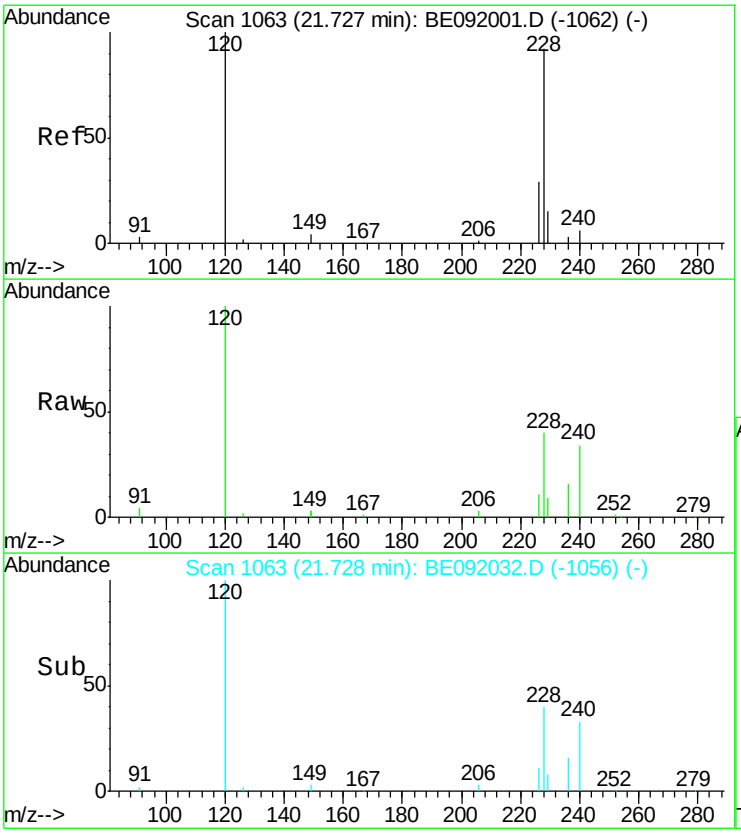
Ion	Ratio	Lower	Upper
244	100		
212	10.1	6.5	9.7#
122	10.9	2.9	4.3#



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

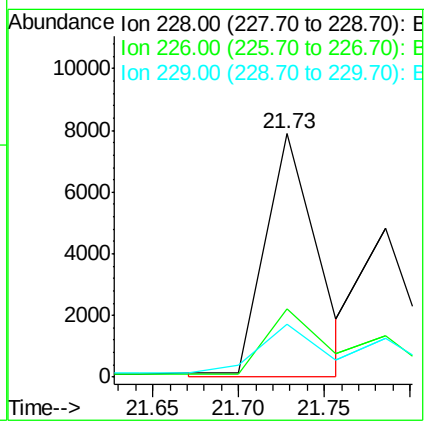
7/25/2016 6:46:37 PM

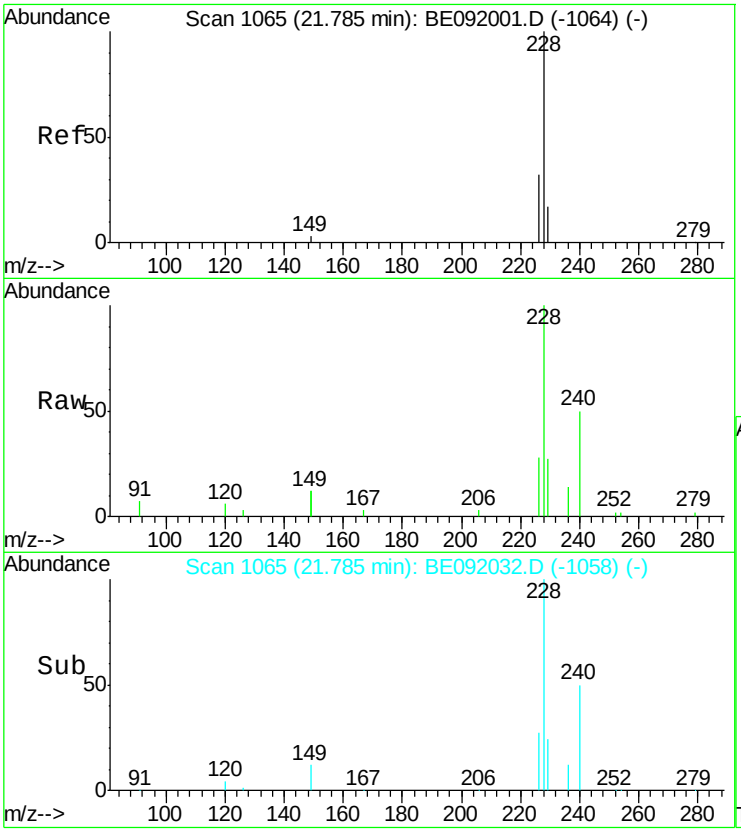


#35
Benzo(a)anthracene
Concen: 0.34 ng m
RT: 21.73 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:228 Resp: 17041

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	21.6	15.8	23.8



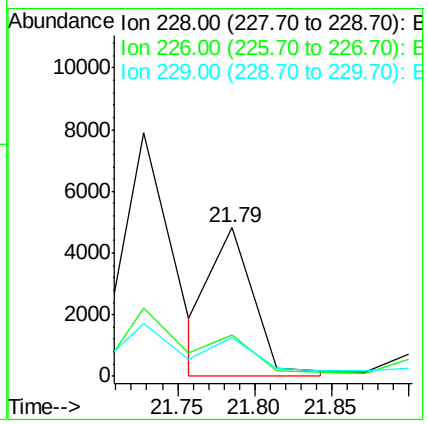


#37
Chrysene
Concen: 0.15 ng m
RT: 21.79 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

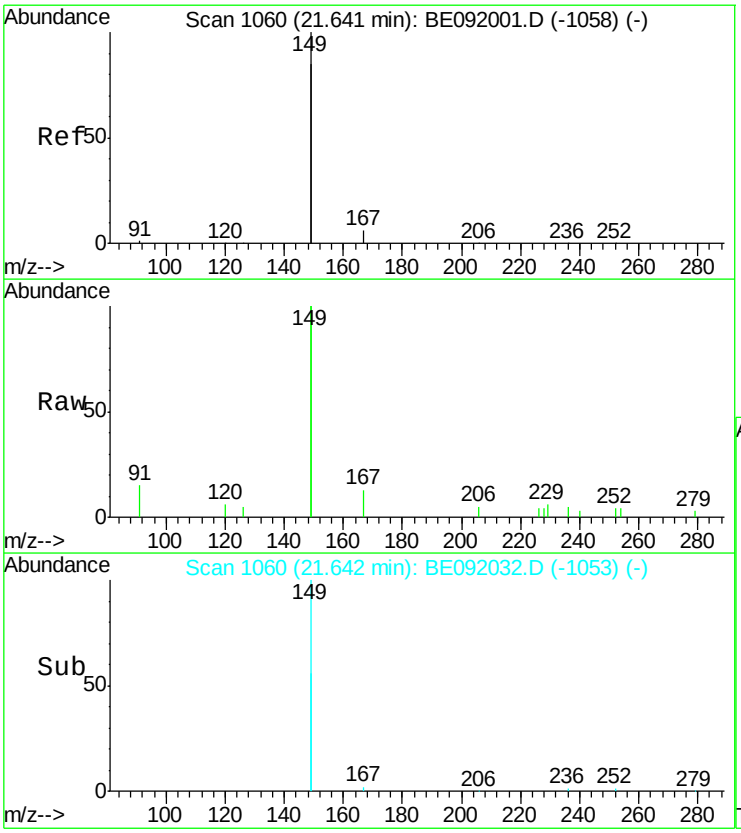
Tgt Ion:228 Resp: 9021

Ion	Ratio	Lower	Upper
228	100		
226	28.0	27.0	40.6
229	26.6	13.8	20.8#



sohil

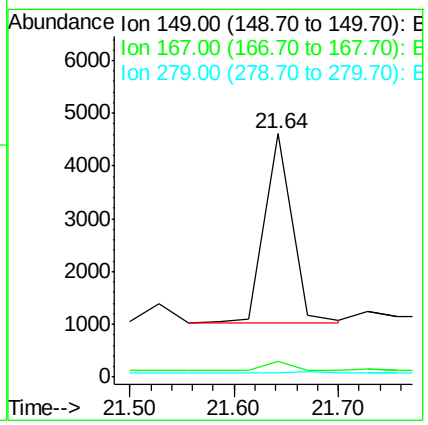
7/25/2016 6:46:37 PM

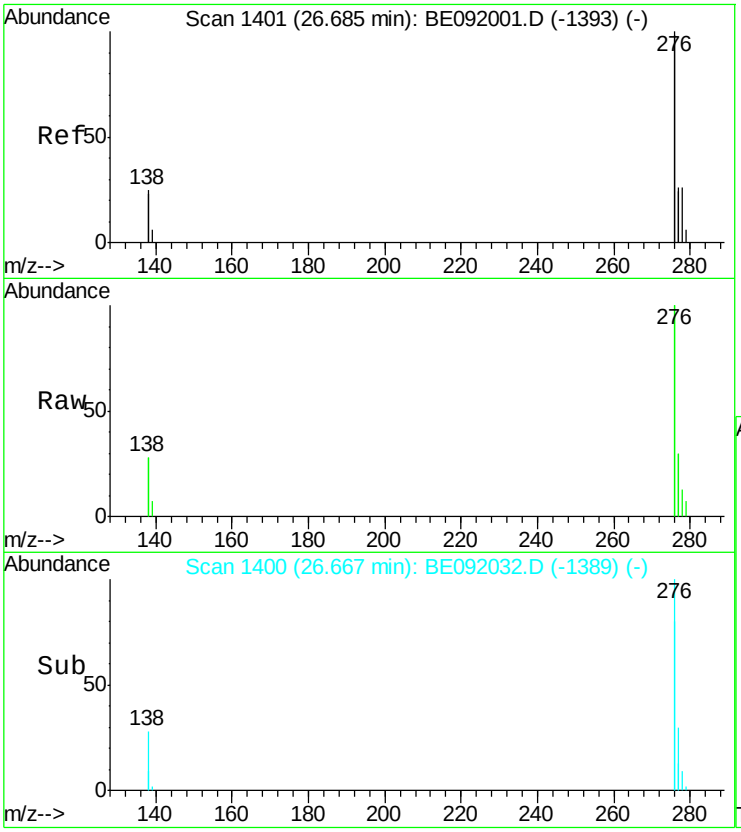


#38
Bis(2-ethylhexyl)phthalate
Concen: 0.22 ng
RT: 21.64 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:149 Resp: 6585

Ion	Ratio	Lower	Upper
149	100		
167	4.9	0.0	0.0#
279	0.0	0.0	0.0

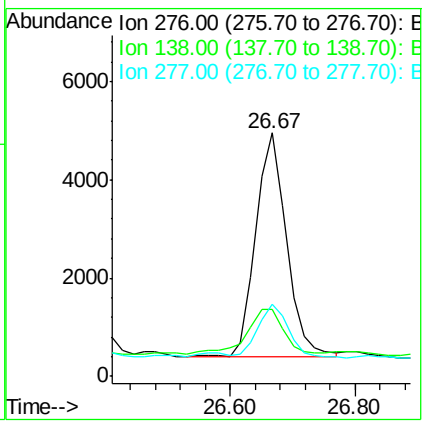




#39
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng
RT: 26.67 min Scan# 1400
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:276 Resp: 15746

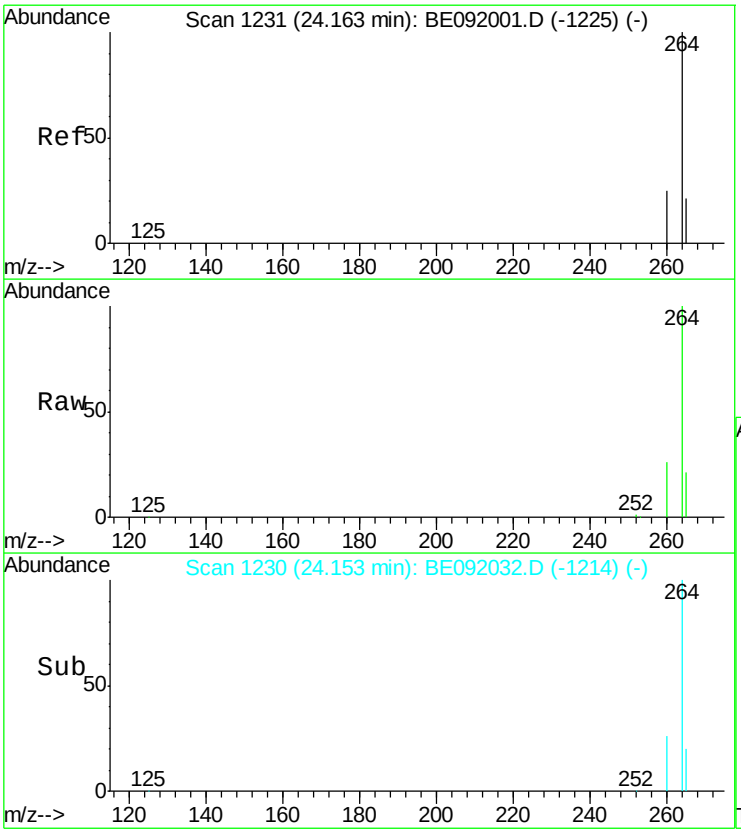
Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.7	29.5
277	23.4	20.1	30.1



Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

sohil

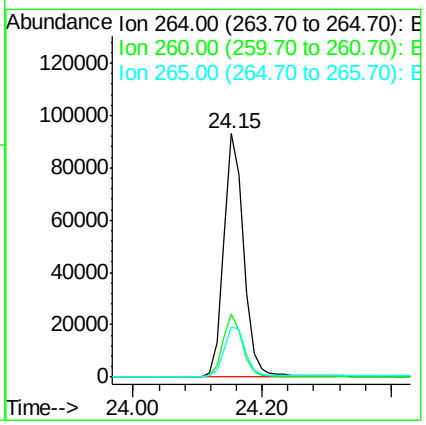
7/25/2016 6:46:37 PM

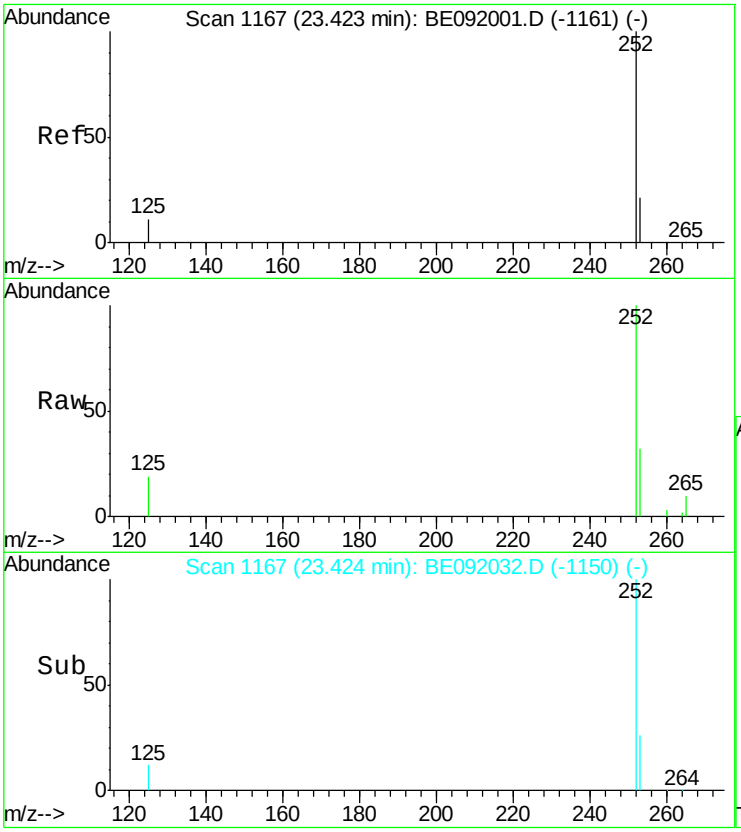


#40
Perylene-d12
Concen: 5.00 ng
RT: 24.15 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:264 Resp: 199272

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.3	30.5
265	20.7	17.6	26.4



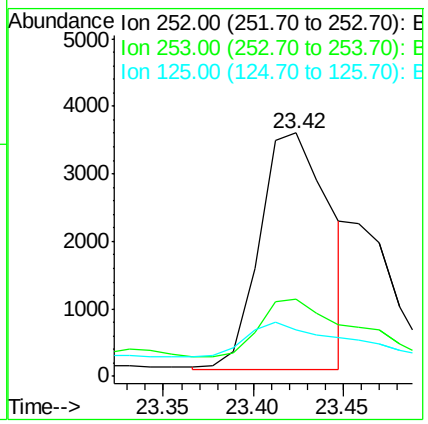


#41
Benzo(b)fluoranthene
Concen: 0.18 ng m
RT: 23.42 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

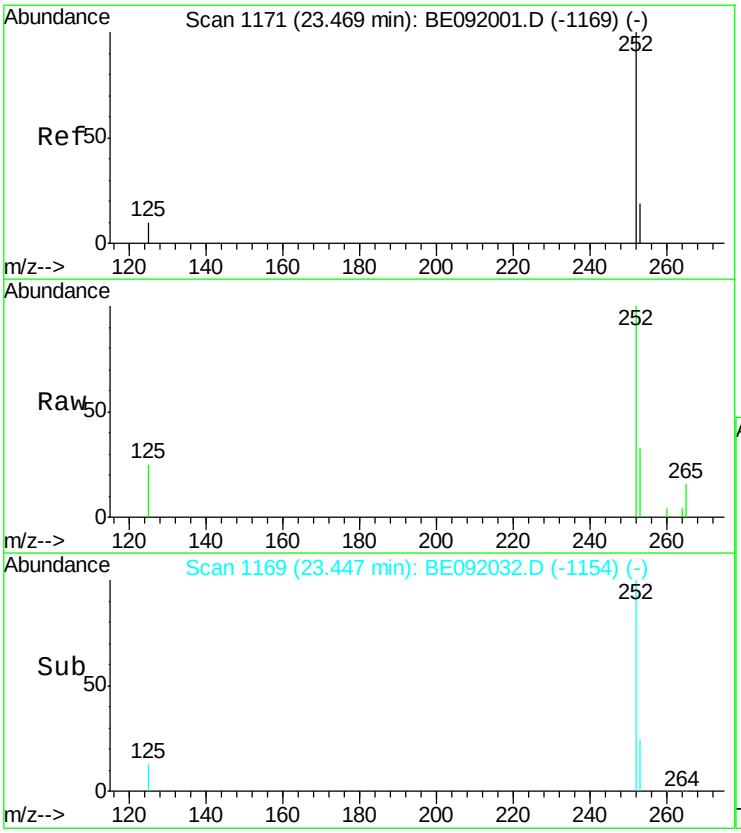
Tgt Ion:252 Resp: 9504

Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.8	26.6#
125	19.3	9.4	14.2#



sohil

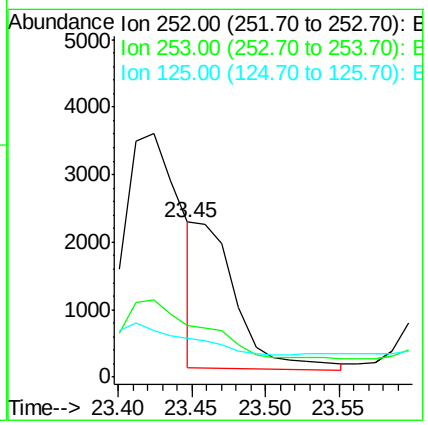
7/25/2016 6:46:37 PM

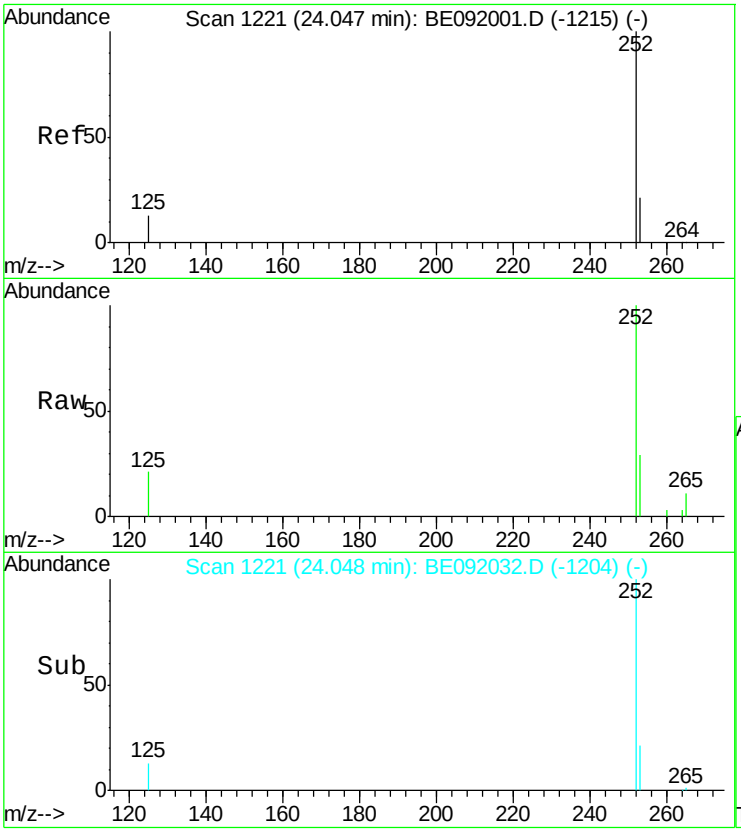


#42
Benzo(k)fluoranthene
Concen: 0.08 ng m
RT: 23.45 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:252 Resp: 4050

Ion	Ratio	Lower	Upper
252	100		
253	33.2	19.4	29.2#
125	24.7	8.3	12.5#



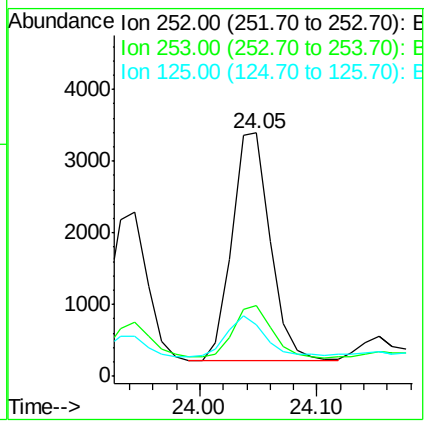


#43
Benzo(a)pyrene
Concen: 0.15 ng
RT: 24.05 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005

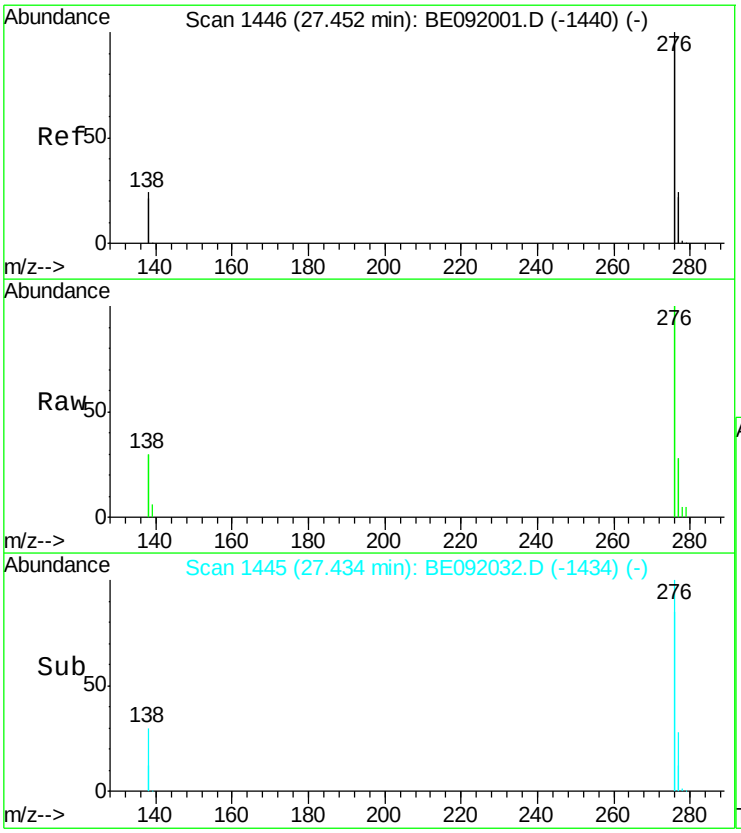
Tgt Ion:252 Resp: 7261

Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.9	28.3#
125	21.3	10.5	15.7#



sohil

7/25/2016 6:46:37 PM



#45
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.43 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BE092032.D
Acq: 23 Jul 2016 7:39

Tgt Ion:276 Resp: 16078

Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.5	29.3
138	30.2	17.7	26.5#