Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
Data File : BF094742.D
Acq On : 1 May 2017 5:08
Operator : SJ/MA
Sample : I2902-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

Quant Time: May 01 05:58:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	104825	20.00	ng		0.00
21) Naphthalene-d8	7.26	136	422162	20.00	ng		0.00
38) Acenaphthene-d10	9.40	164	204541	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	337885	20.00	ng		0.00
75) Chrysene-d12	14.47	240	228178	20.00	ng		0.00
86) Perylene-d12	16.10	264	217581	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.33	112	76427	12.10	ng		0.03
7) Phenol-d6	5.41	99	63508	8.53	ng		0.01
23) Nitrobenzene-d5	6.41	82	144959	21.20	ng		0.00
41) 2,4,6-Tribromophenol	10.37	330	43502	27.19	ng		0.00
44) 2-Fluorobiphenyl	8.58	172	328451	23.63	ng		0.00
78) Terphenyl-d14	13.19	244	224178	26.26	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.29	128	1928072	95.00	ng		99
35) Caprolactam	7.80	113	23168	12.62	ng	#	83
37) 2-Methylnaphthalene	8.12	142	296884	21.38	ng		99
45) 1,1'-Biphenyl	8.70	154	120601	7.22	ng		98
48) Acenaphthylene	9.22	152	945964	45.67	ng		100
49) Dimethylphthalate	9.08	163	109934	7.21	ng		100
51) Acenaphthene	9.43	154	102664	8.27	ng		98
54) Dibenzofuran	9.64	168	38338	2.13	ng	#	76
57) Fluorene	10.07	166	215466	15.34	ng		99
70) Phenanthrene	11.25	178	681051	35.79	ng		99
71) Anthracene	11.31	178	171489	8.71	ng		97
74) Fluoranthene	12.71	202	254967	12.93	ng		99
77) Pyrene	12.98	202	317496	19.92	ng		98
80) Benzo(a)anthracene	14.46	228	56886m	4.29	ng		
82) Chrysene	14.50	228	48842	4.03	ng		99
87) Benzo(b)fluoranthene	15.70	252	38821m	2.92	ng		
89) Benzo(a)pyrene	16.04	252	49156	3.97	ng		98
91) Benzo(g,h,i)perylene	17.76	276	28803	2.75	ng		99

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

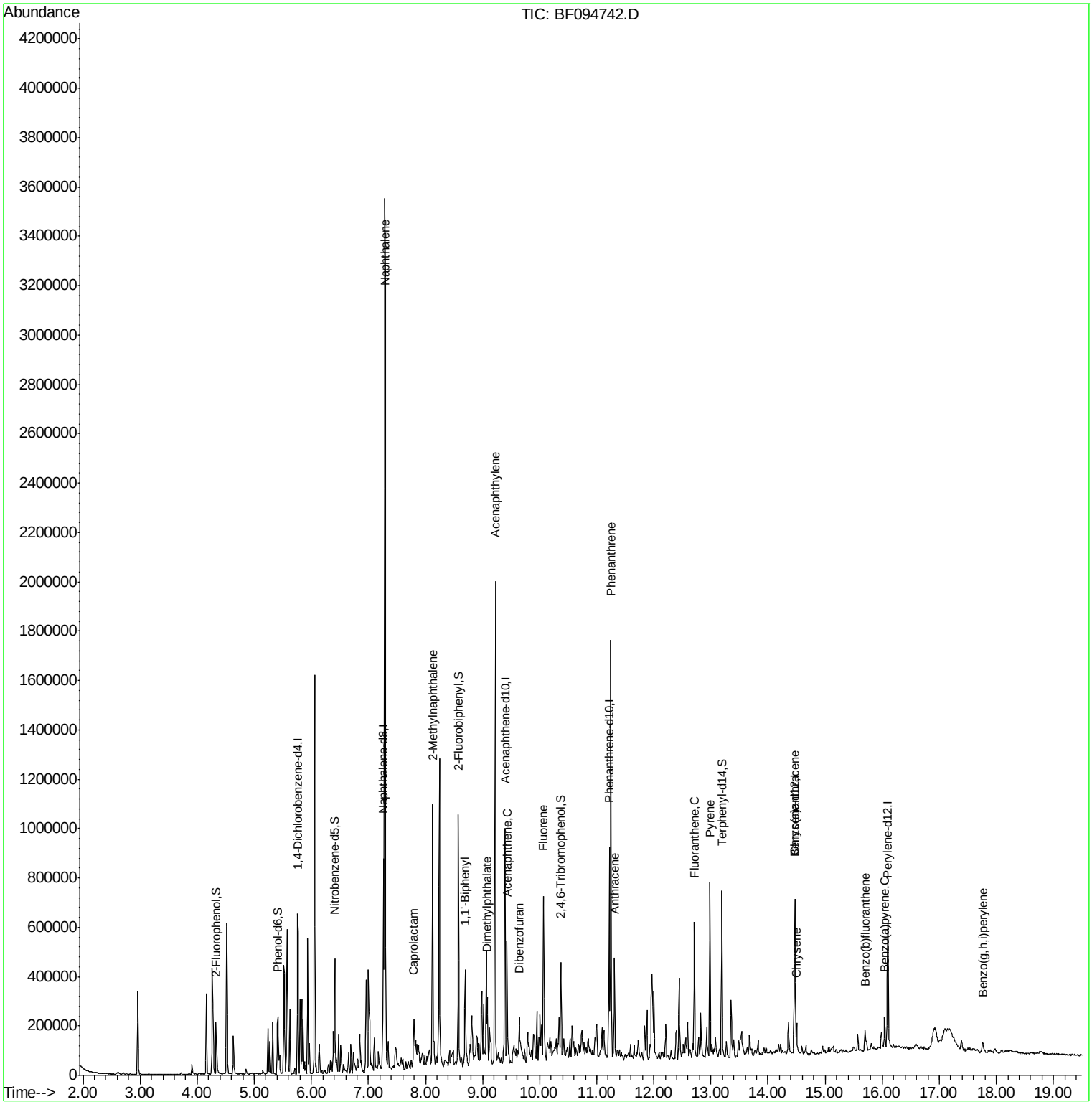
Quantitation Report (QT Reviewed)

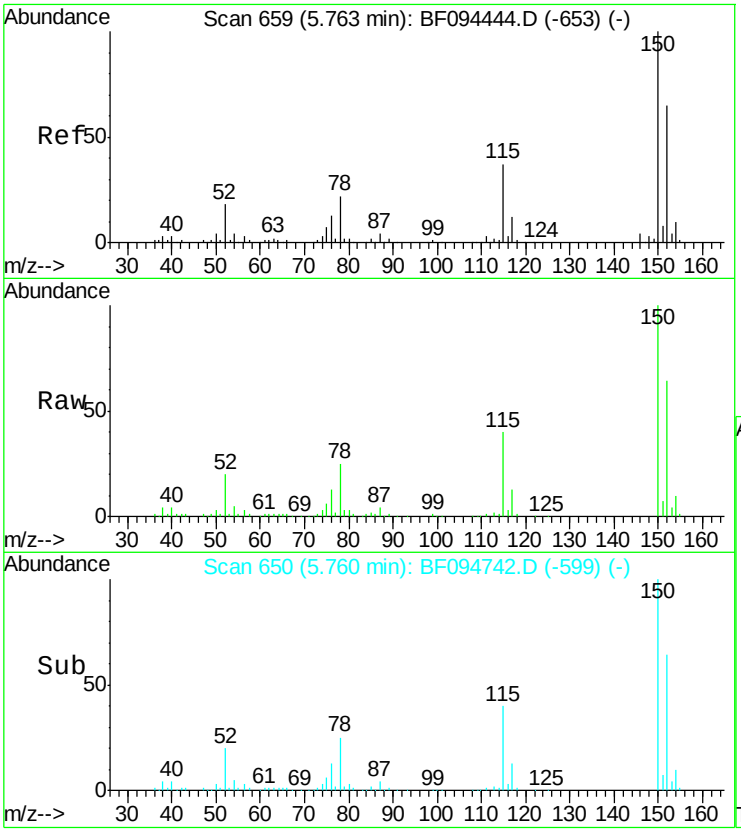
Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
Data File : BF094742.D
Acq On : 1 May 2017 5:08
Operator : SJ/MA
Sample : I2902-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: May 01 05:58:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
MW-6B

Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

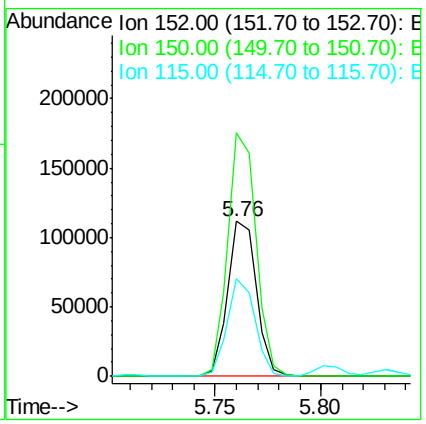




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

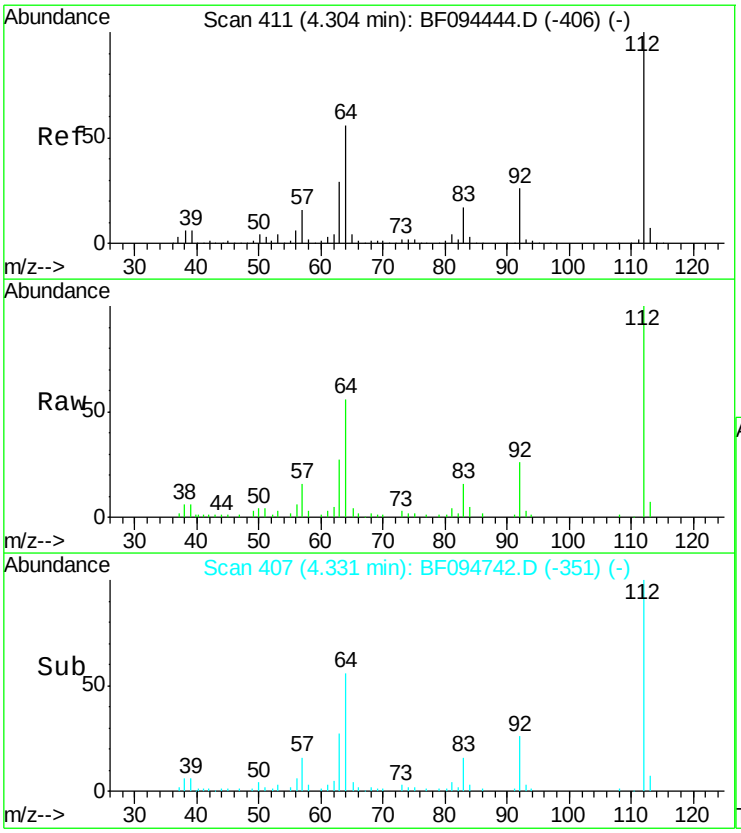
Tgt Ion:152 Resp: 104825

Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	62.6	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
MW-6B

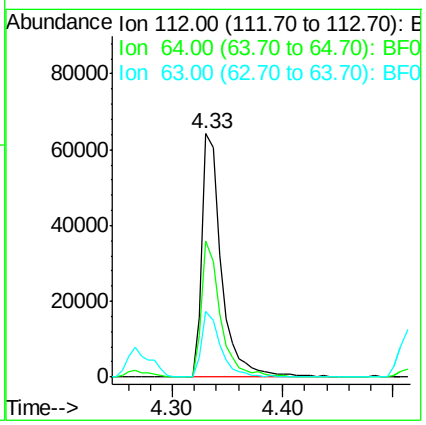
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

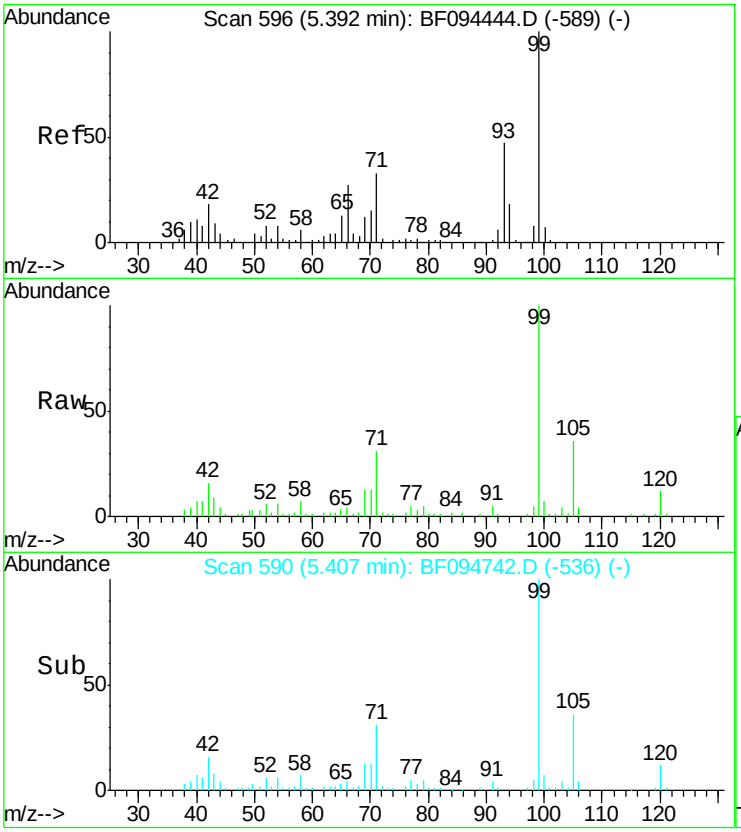


#5
2-Fluorophenol
Concen: 12.10 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:112 Resp: 76427

Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.0	69.0
63	26.8	23.4	35.0

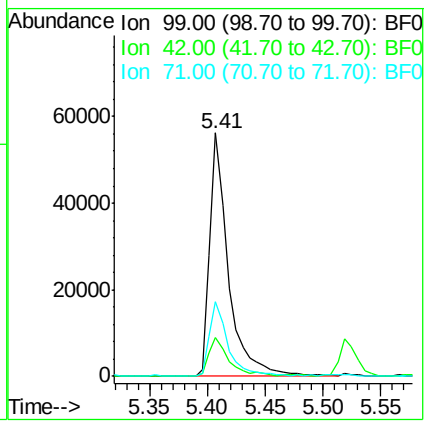




#7
Phenol-d6
Concen: 8.53 ng
RT: 5.41 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

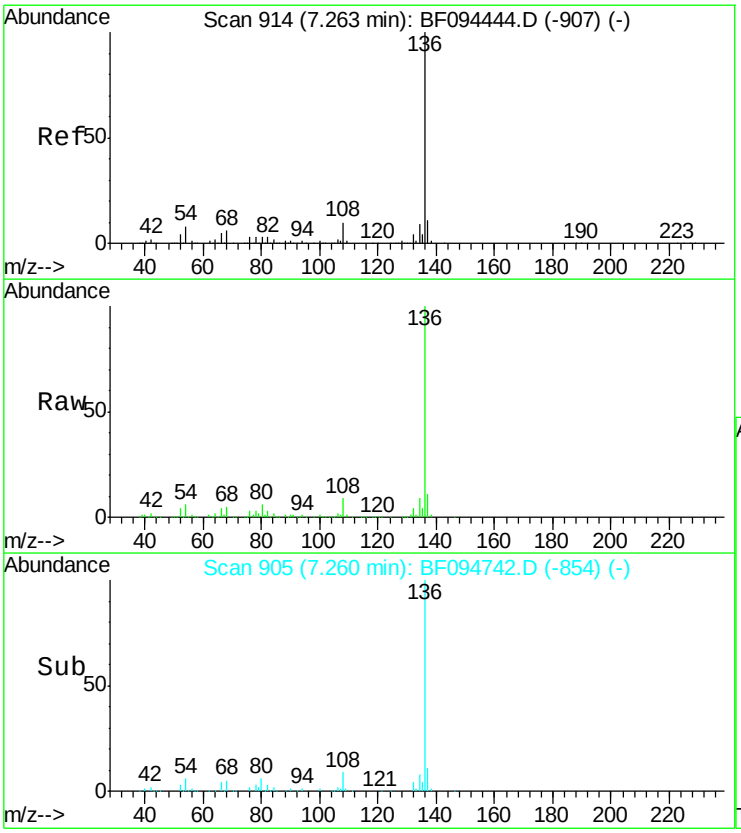
Tgt Ion: 99 Resp: 63508

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	30.9	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
MW-6B

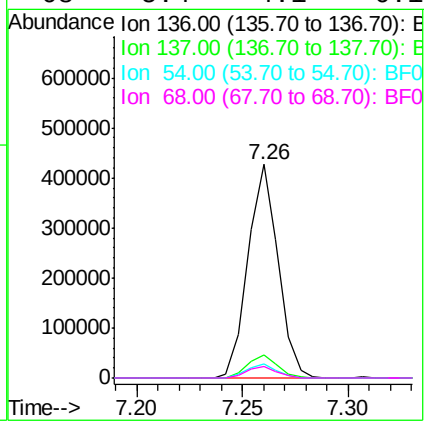
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

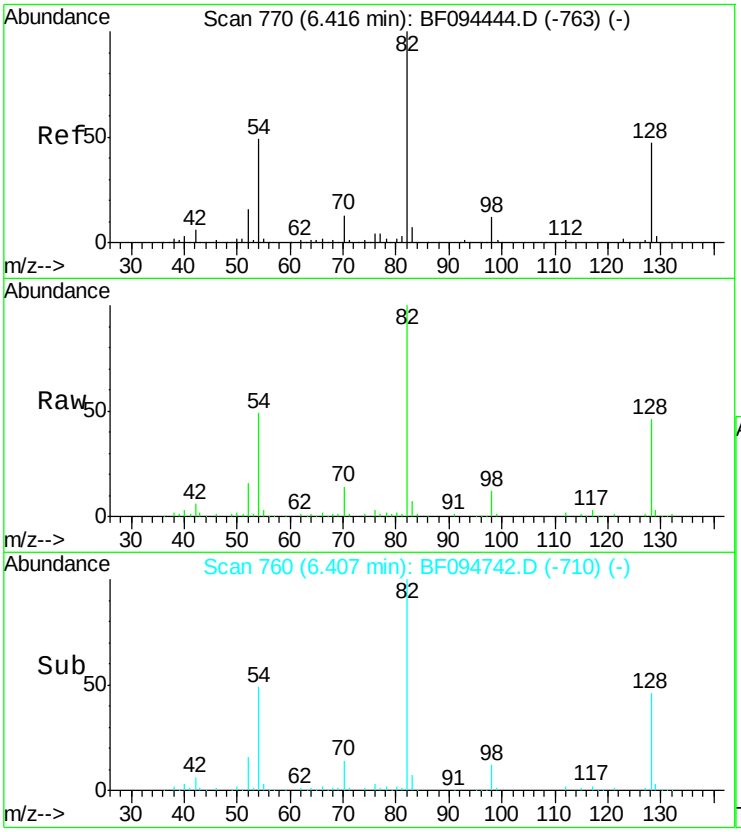


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:136 Resp: 422162

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.3	4.9	7.3
68	5.4	4.1	6.1

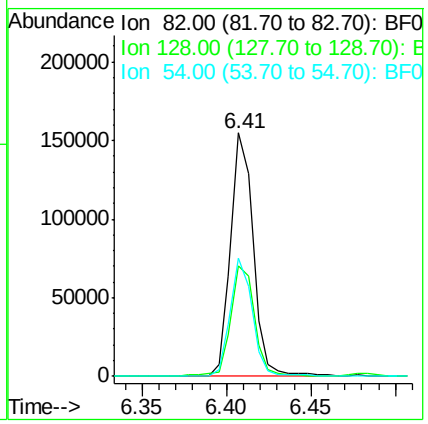




#23
Nitrobenzene-d5
Concen: 21.20 ng
RT: 6.41 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

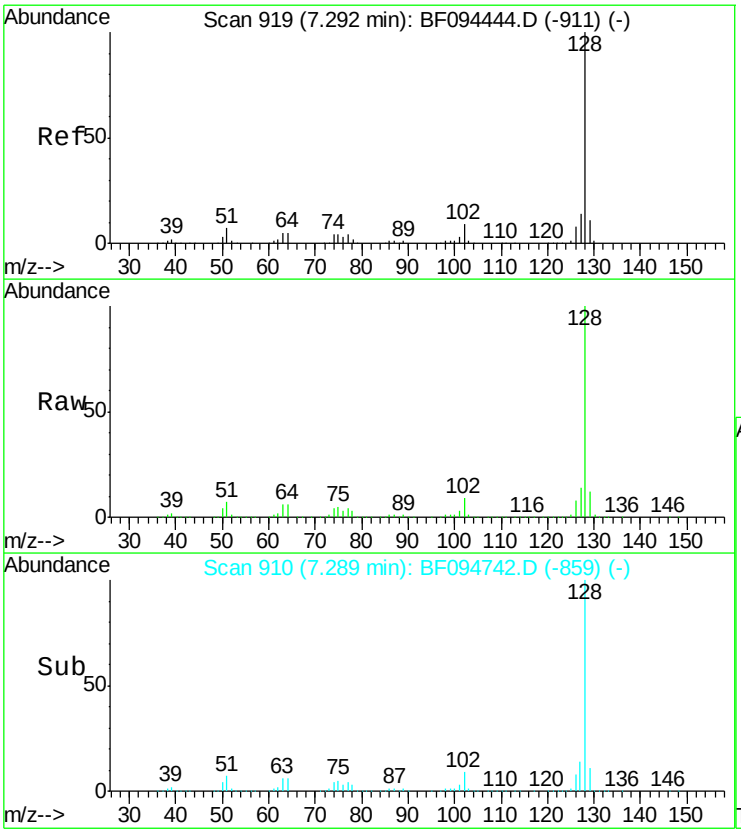
Tgt Ion: 82 Resp: 144959

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	48.8	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
MW-6B

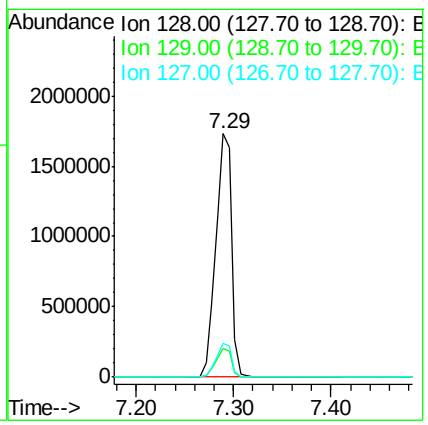
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

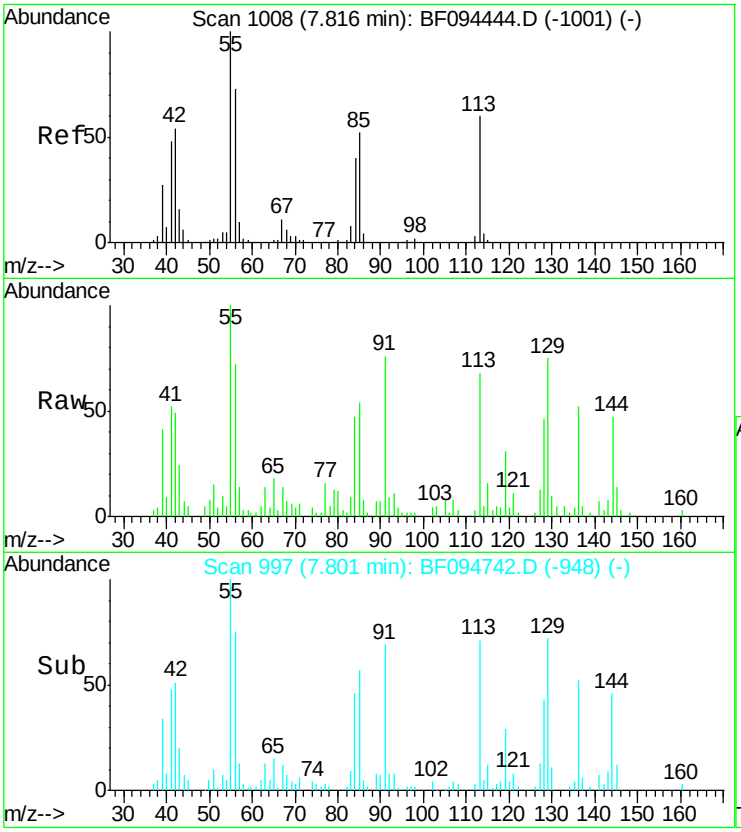


#31
Naphthalene
Concen: 95.00 ng
RT: 7.29 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:128 Resp: 1928072

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.7	10.8	16.2

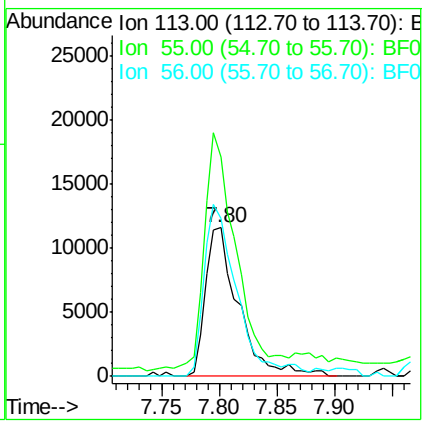




#35
Caprolactam
Concen: 12.62 ng
RT: 7.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

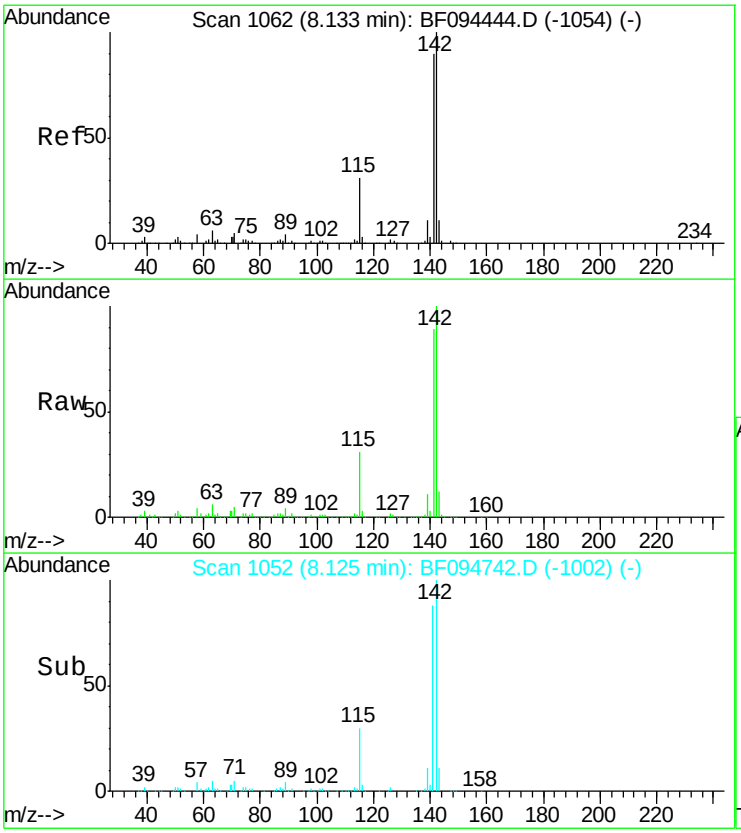
Tgt Ion:113 Resp: 23168

Ion	Ratio	Lower	Upper
113	100		
55	147.6	150.2	190.2#
56	106.3	107.8	147.8#



Instrument :
BNA_F
ClientSampleId :
MW-6B

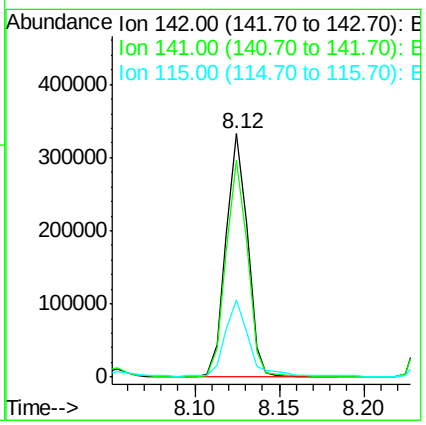
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

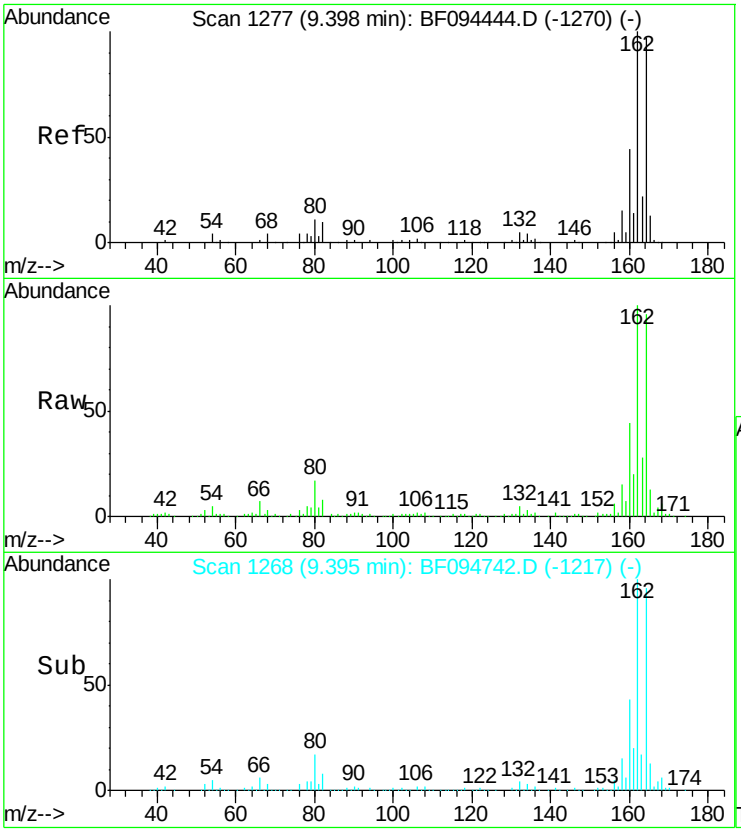


#37
2-Methylnaphthalene
Concen: 21.38 ng
RT: 8.12 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:142 Resp: 296884

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	31.5	27.1	40.7

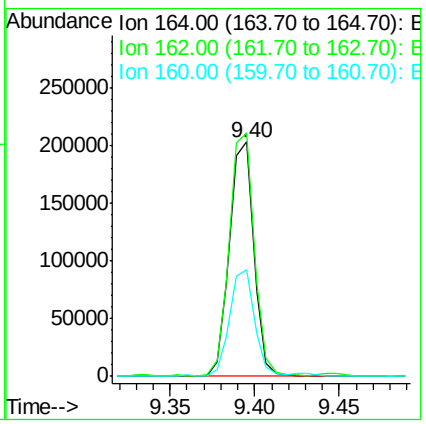




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

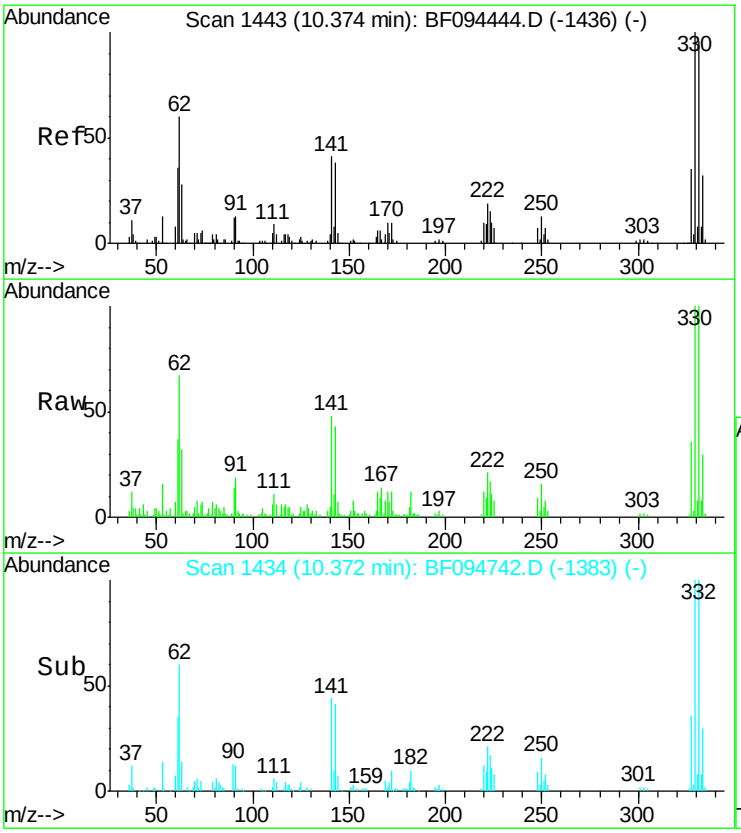
Tgt Ion:164 Resp: 204541

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	45.3	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
MW-6B

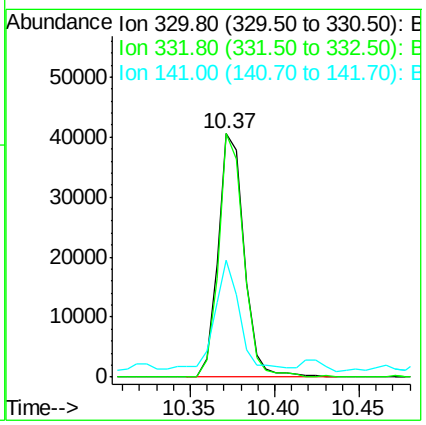
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

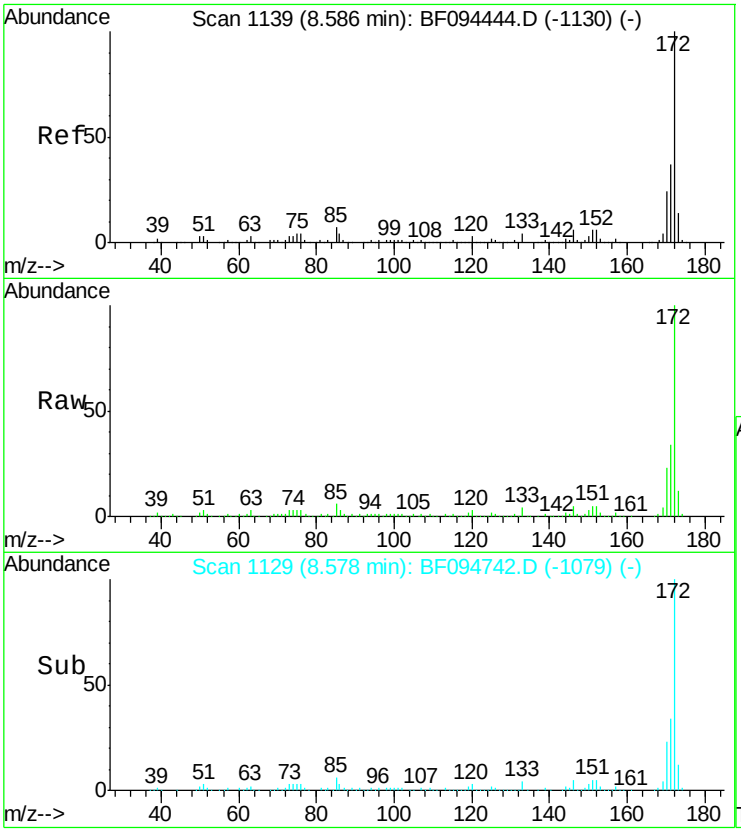


#41
2,4,6-Tribromophenol
Concen: 27.19 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:330 Resp: 43502

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	45.9	31.4	47.2

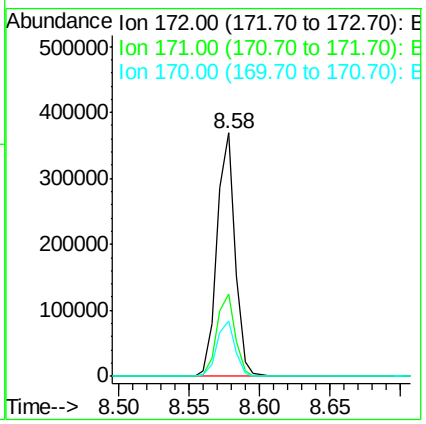




#44
2-Fluorobiphenyl
Concen: 23.63 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

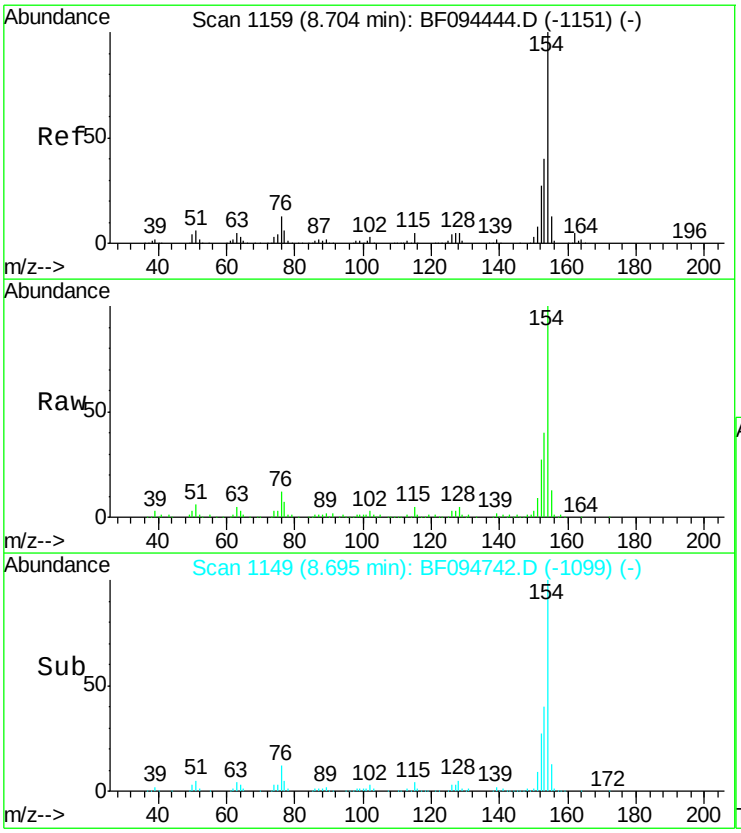
Tgt Ion:172 Resp: 328451

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	22.6	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
MW-6B

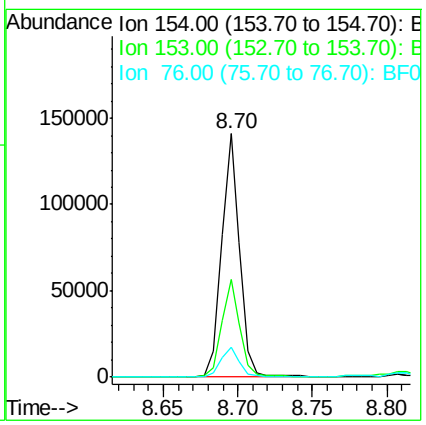
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

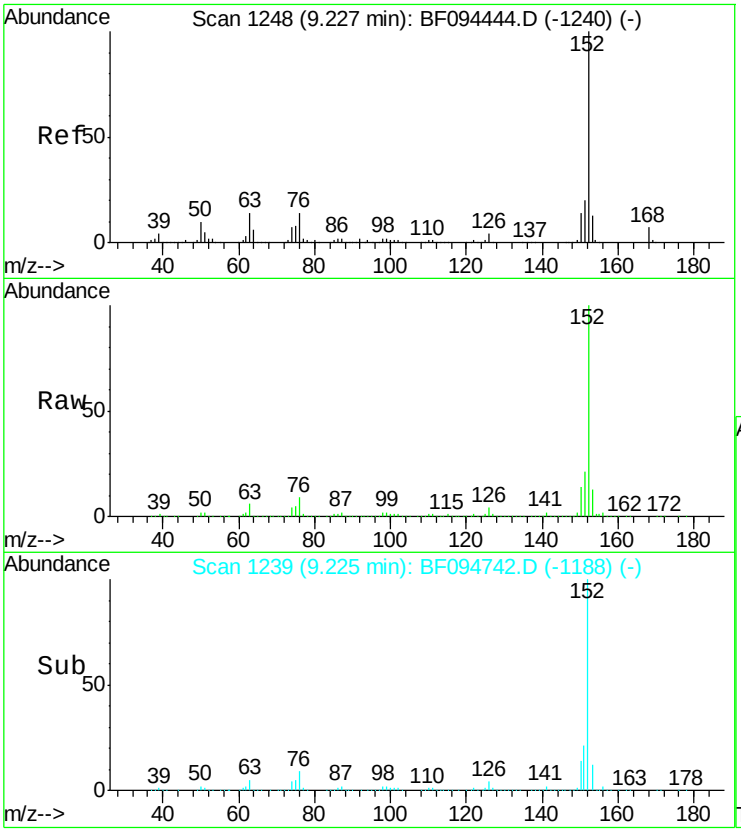


#45
1,1'-Biphenyl
Concen: 7.22 ng
RT: 8.70 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:154 Resp: 120601

Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	12.1	0.0	29.9

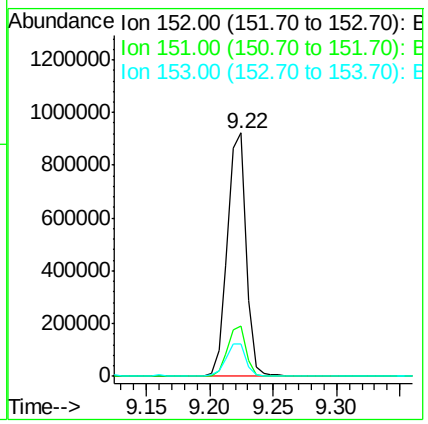




#48
Acenaphthylene
Concen: 45.67 ng
RT: 9.22 min Scan# 1239
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

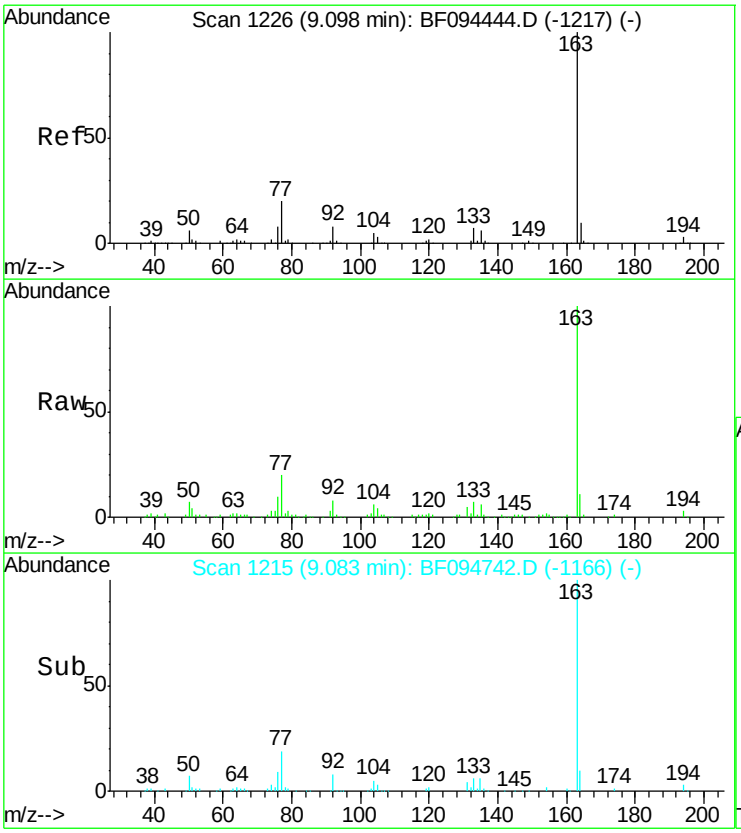
Tgt Ion:152 Resp: 945964

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
MW-6B

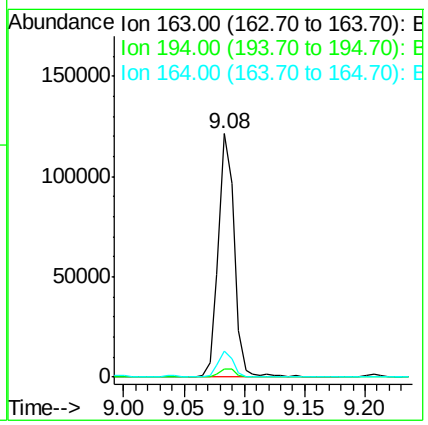
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

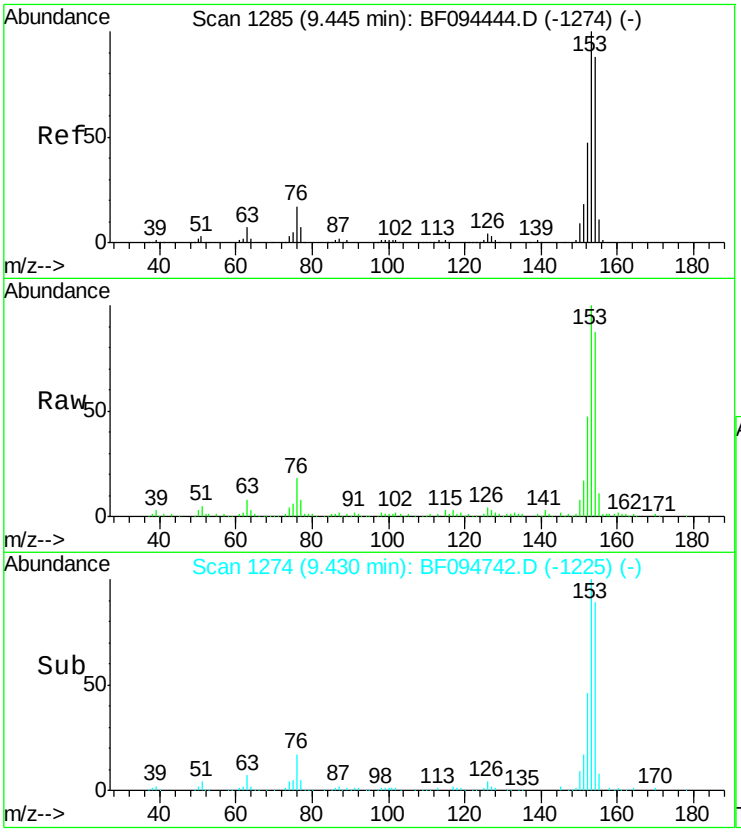


#49
Dimethylphthalate
Concen: 7.21 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:163 Resp: 109934

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.7	8.4	12.6

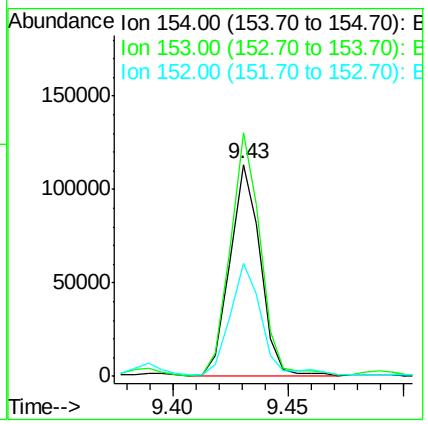




#51
Acenaphthene
Concen: 8.27 ng
RT: 9.43 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

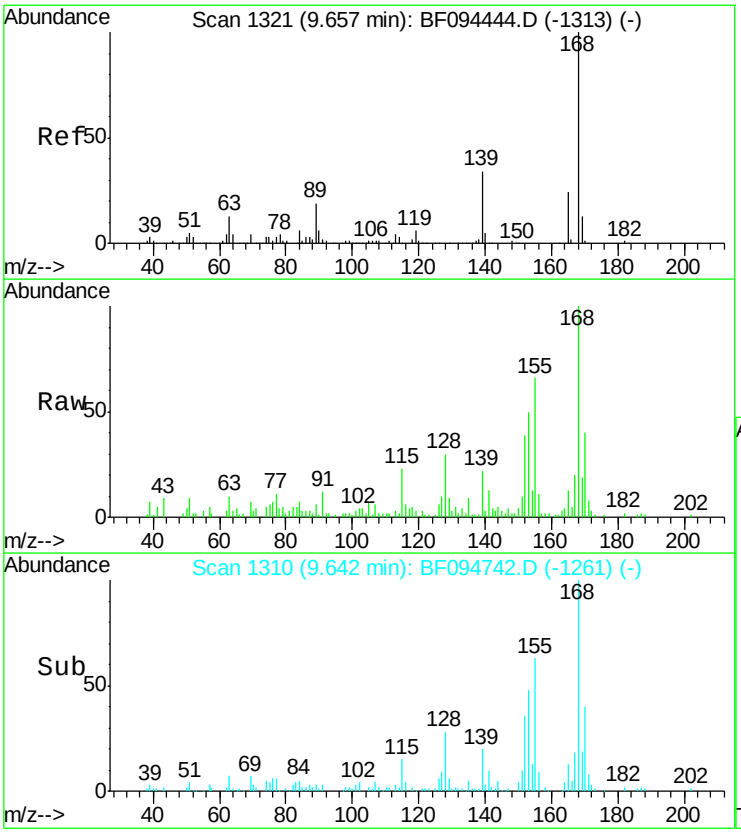
Tgt Ion:154 Resp: 102664

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.5	135.7
152	53.5	43.6	65.4



Instrument :
BNA_F
ClientSampleId :
MW-6B

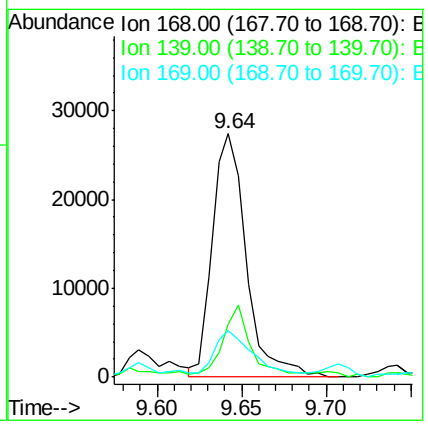
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

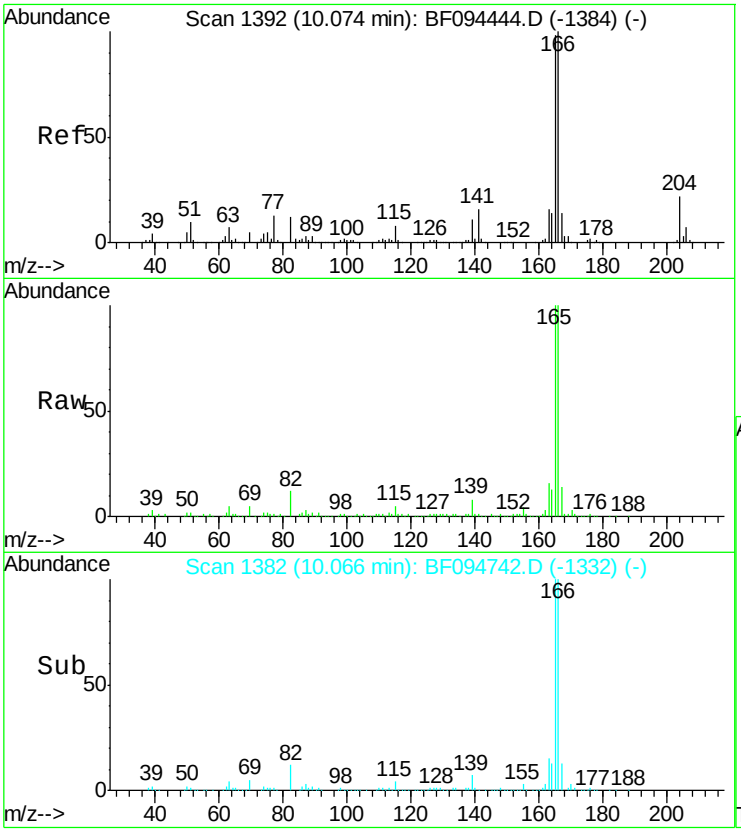


#54
Dibenzofuran
Concen: 2.13 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:168 Resp: 38338

Ion	Ratio	Lower	Upper
168	100		
139	21.6	30.6	45.8#
169	19.3	10.8	16.2#

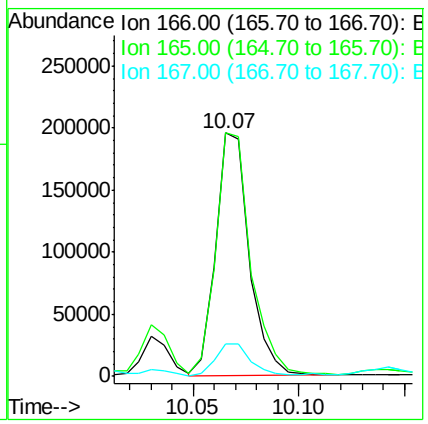




#57
Fluorene
Concen: 15.34 ng
RT: 10.07 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

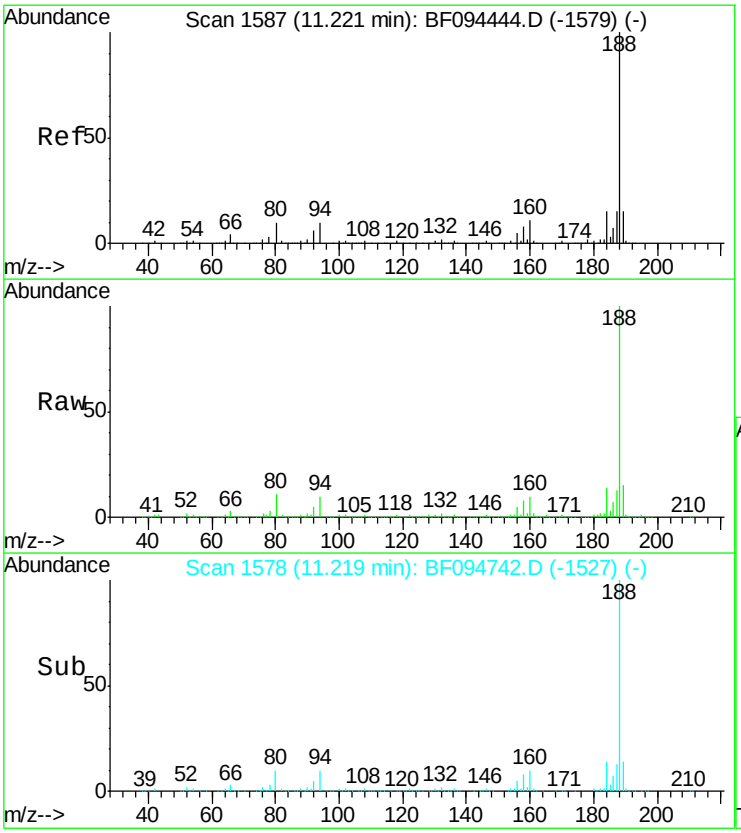
Tgt Ion:166 Resp: 215466

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.8	118.2
167	13.6	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
MW-6B

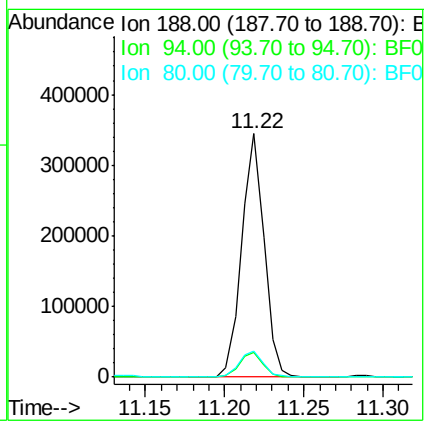
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

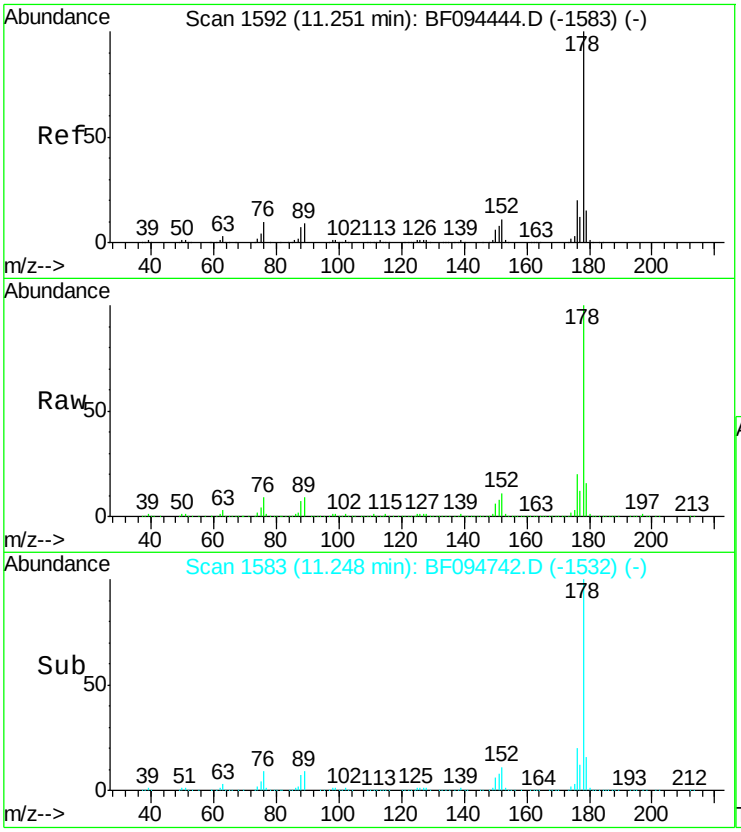


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:188 Resp: 337885

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.7	10.2	15.2

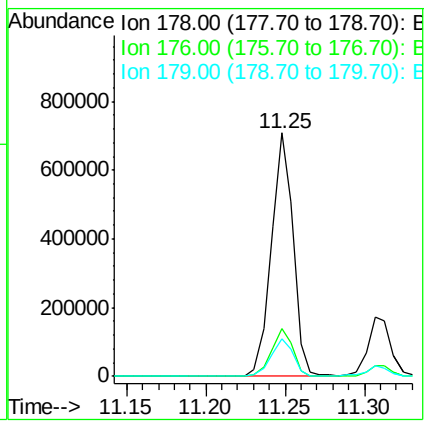




#70
Phenanthrene
Concen: 35.79 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

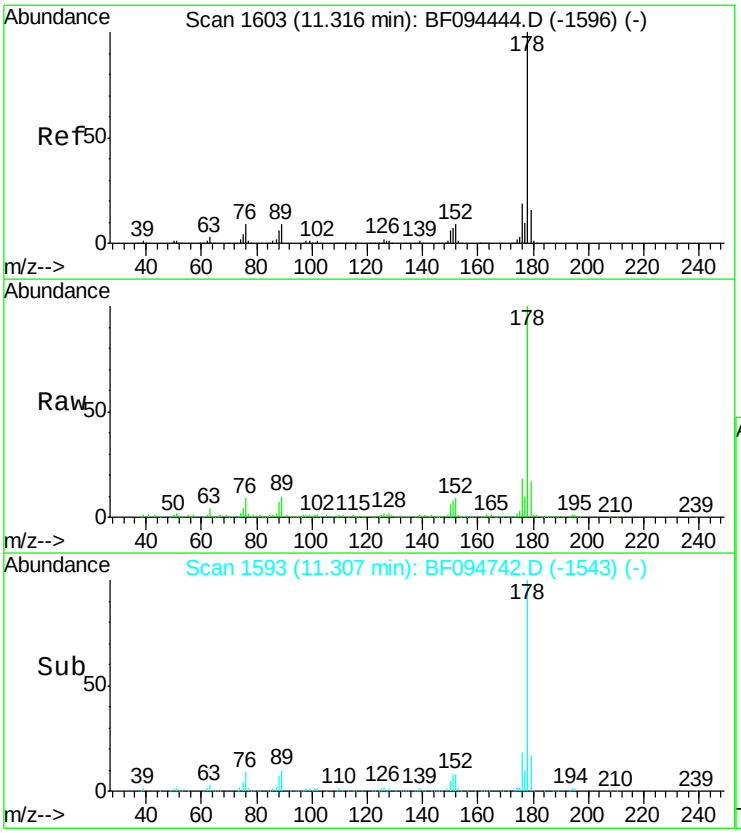
Tgt Ion:178 Resp: 681051

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
MW-6B

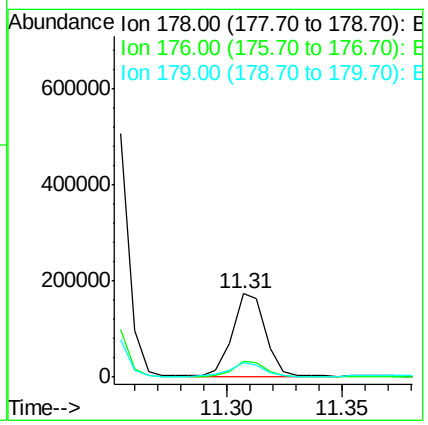
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

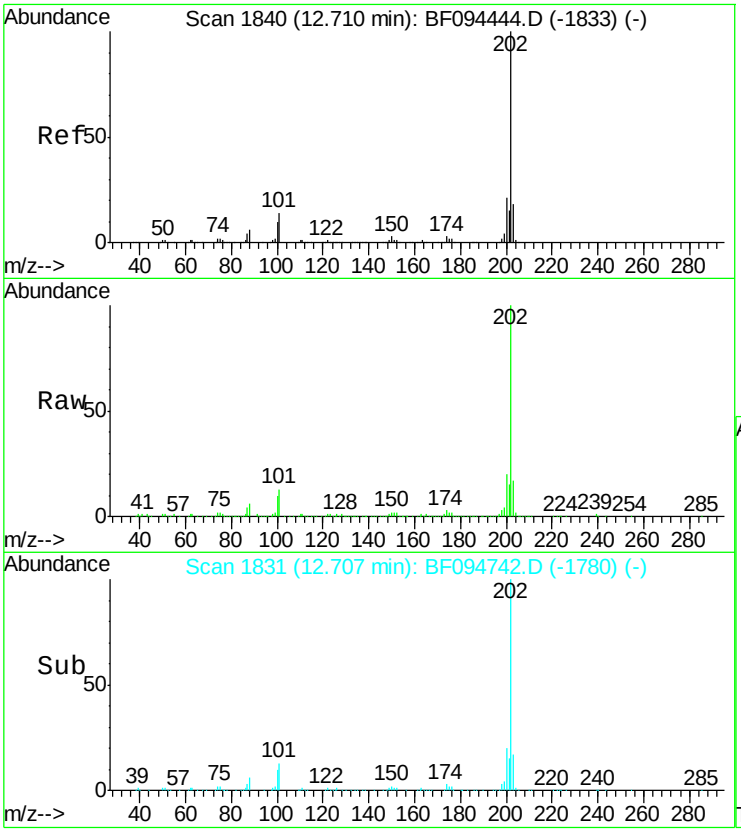


#71
Anthracene
Concen: 8.71 ng
RT: 11.31 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:178 Resp: 171489

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	17.0	12.7	19.1

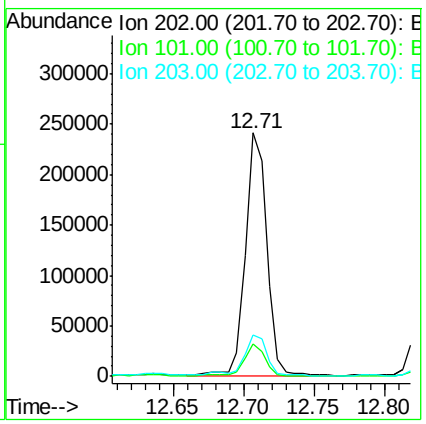




#74
Fluoranthene
Concen: 12.93 ng
RT: 12.71 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

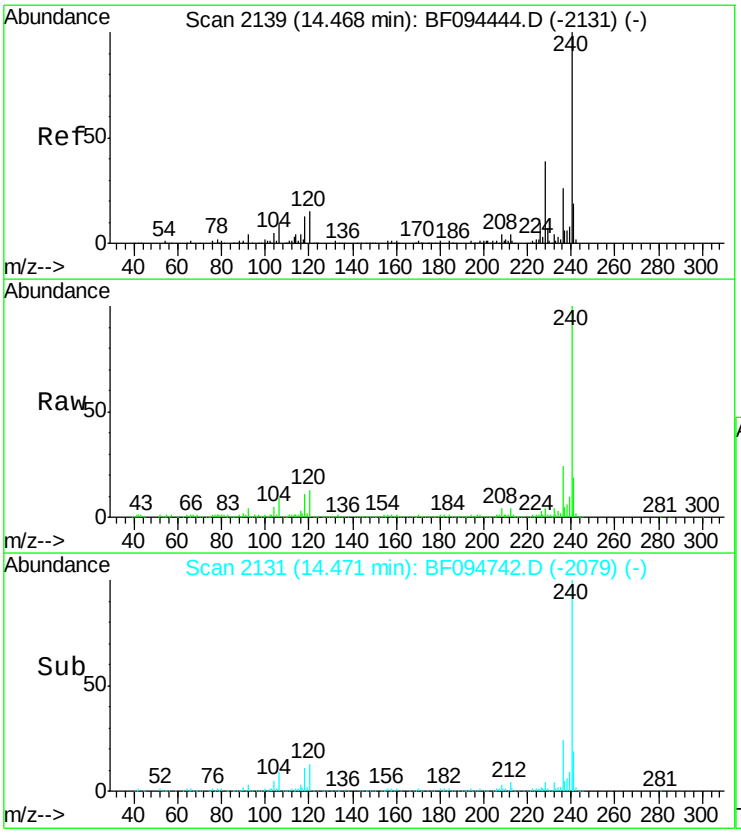
Tgt Ion:202 Resp: 254967

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.2	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
MW-6B

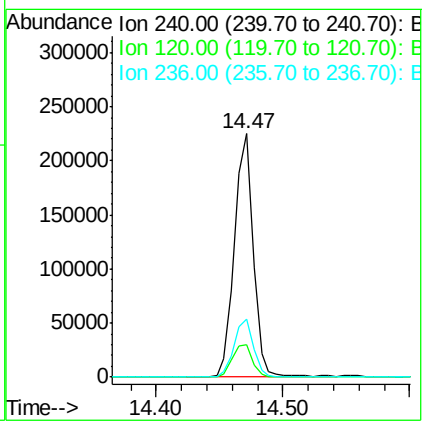
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

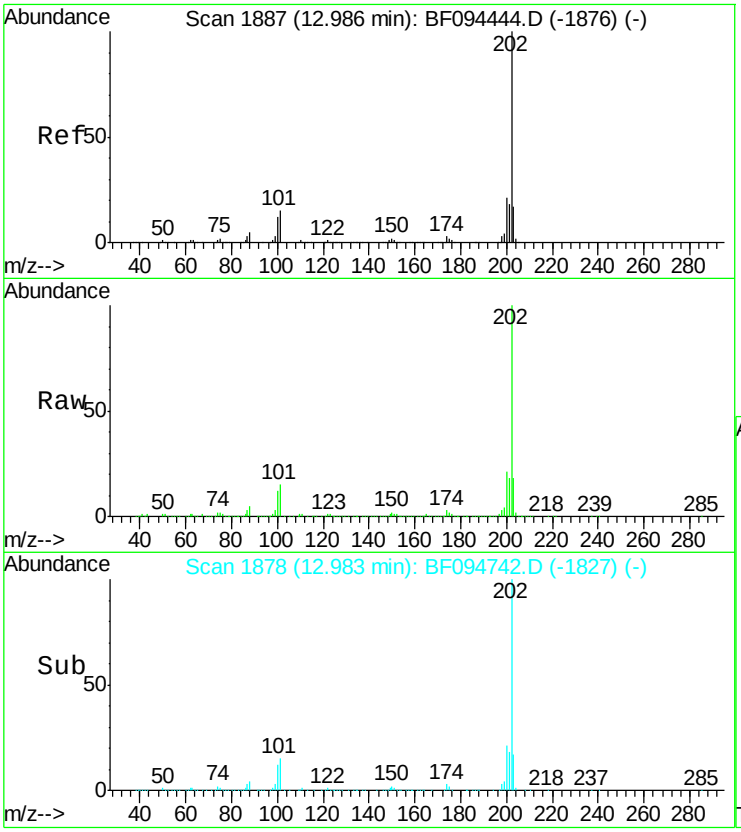


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2131
Delta R.T. 0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:240 Resp: 228178

Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	23.9	20.5	30.7

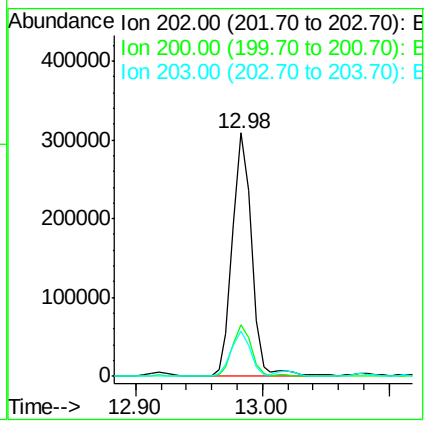




#77
Pyrene
Concen: 19.92 ng
RT: 12.98 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

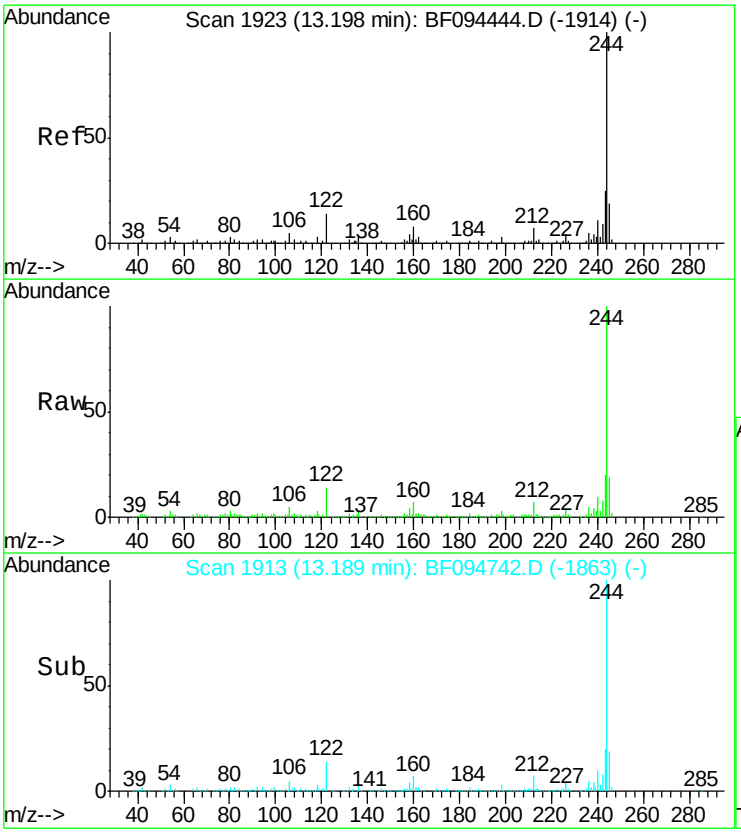
Tgt Ion:202 Resp: 317496

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.5	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
MW-6B

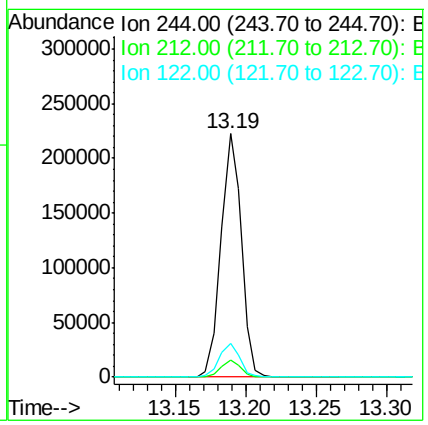
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

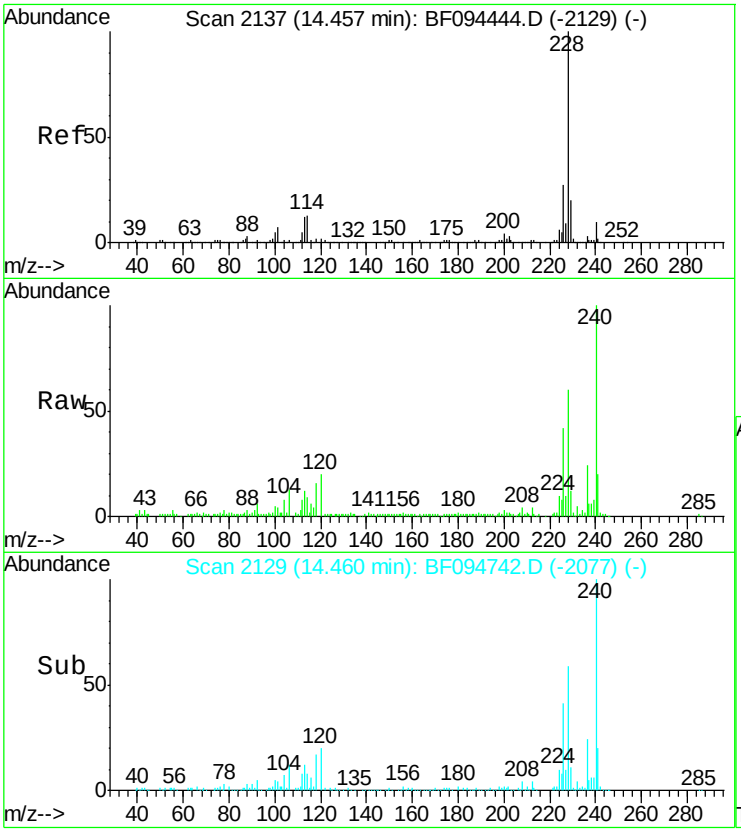


#78
Terphenyl-d14
Concen: 26.26 ng
RT: 13.19 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:244 Resp: 224178

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.6	10.3	15.5

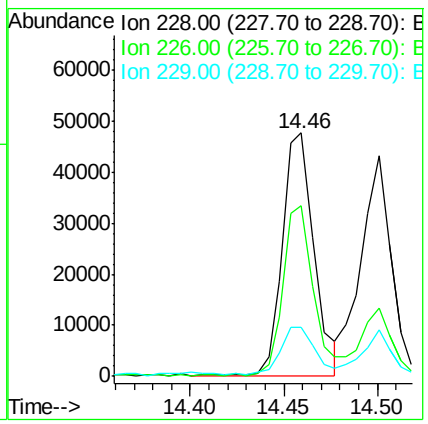




#80
Benzo(a)anthracene
Concen: 4.29 ng m
RT: 14.46 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

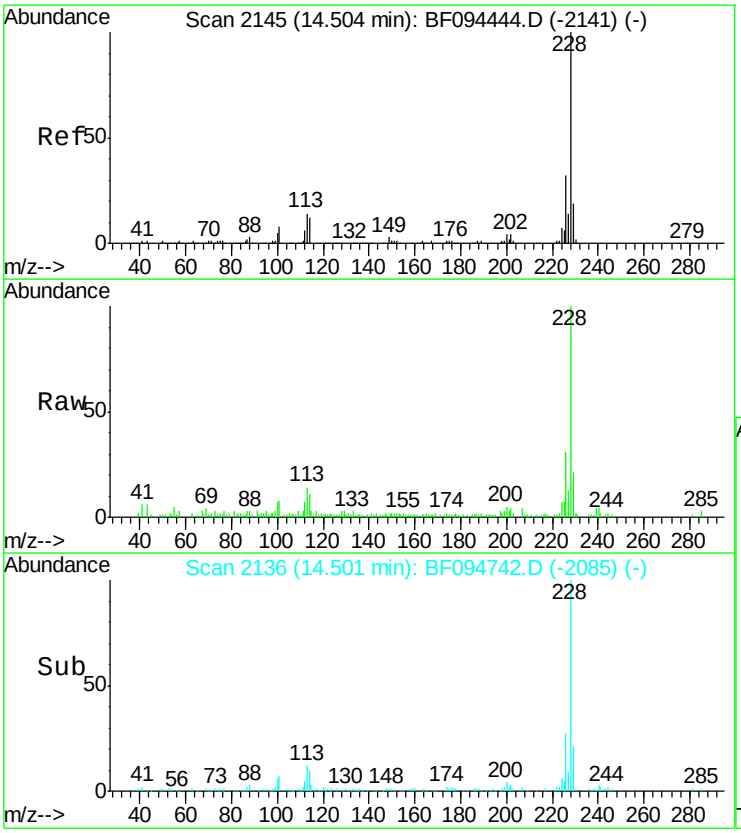
Tgt Ion:228 Resp: 56886

Ion	Ratio	Lower	Upper
228	100		
226	70.2	22.6	33.8#
229	20.0	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
MW-6B

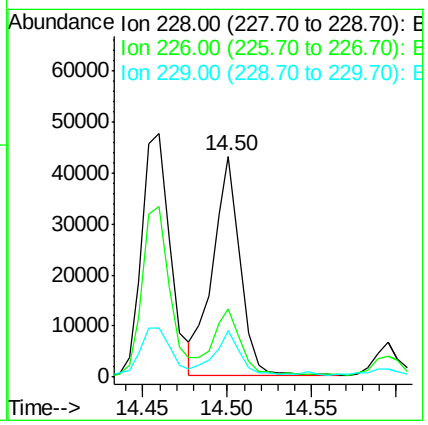
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

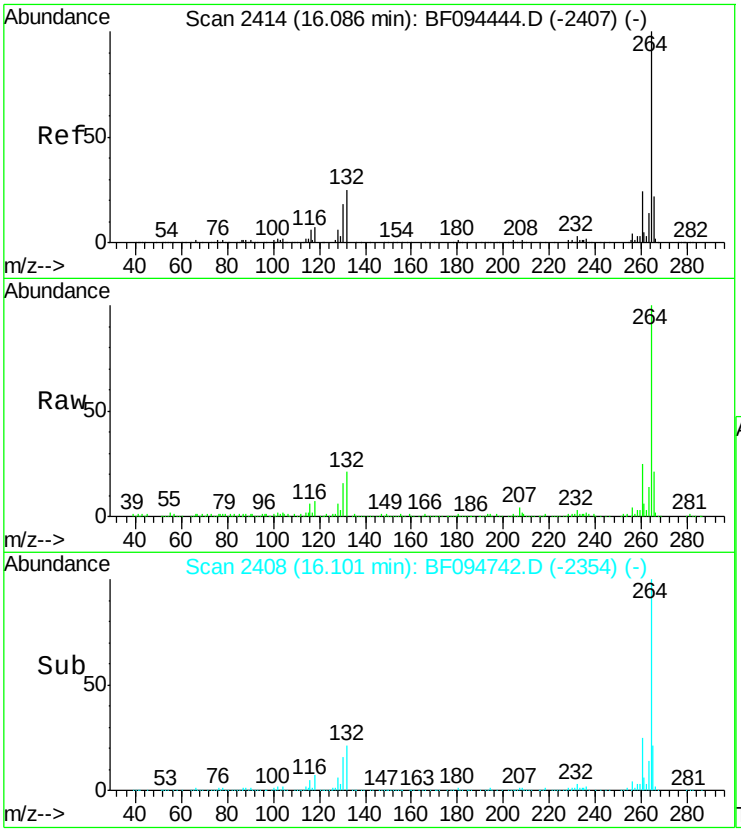


#82
Chrysene
Concen: 4.03 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:228 Resp: 48842

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	21.1	15.8	23.6

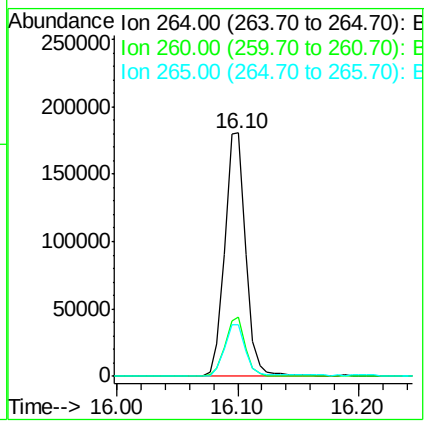




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

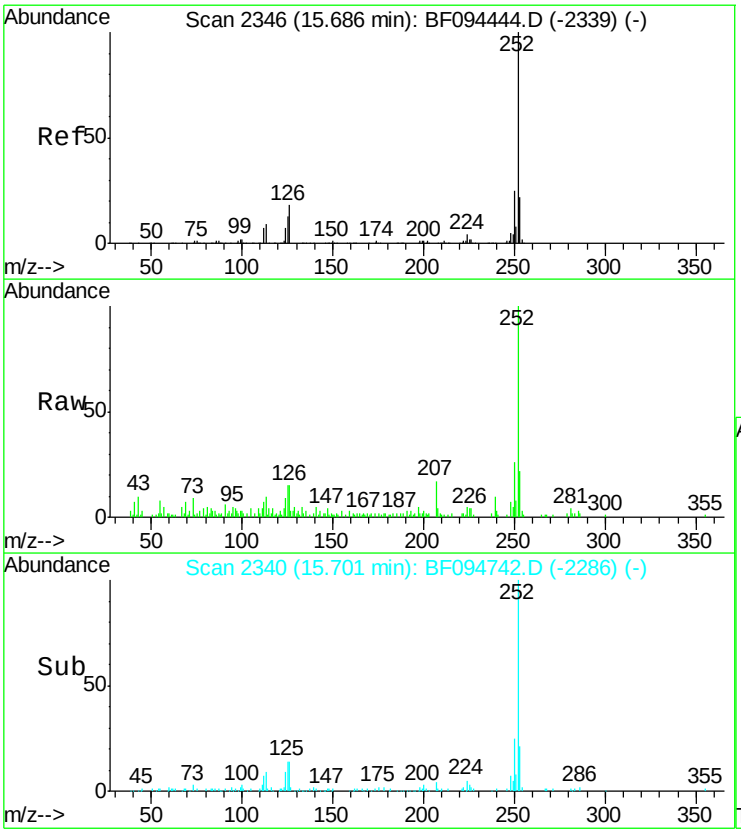
Tgt Ion:264 Resp: 217581

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.4	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
MW-6B

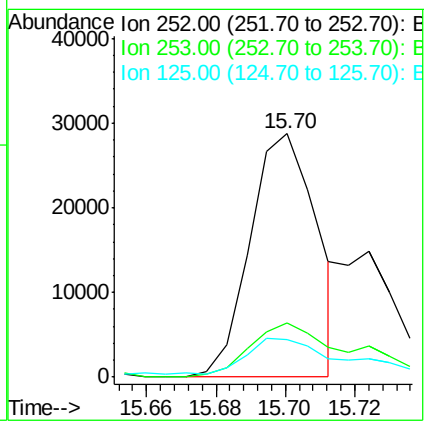
Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM

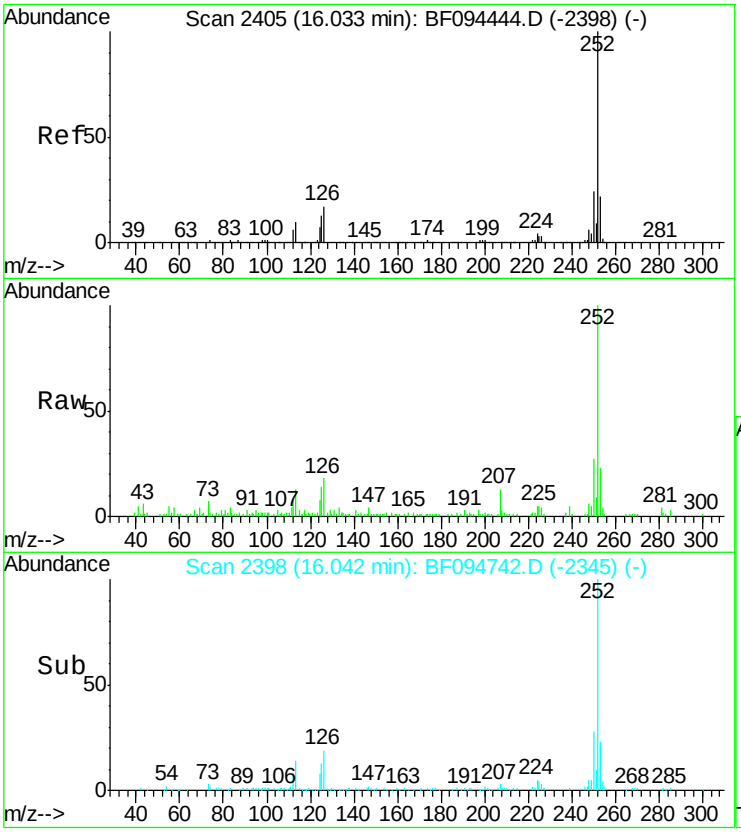


#87
Benzo(b)fluoranthene
Concen: 2.92 ng m
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:252 Resp: 38821

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	15.3	9.8	14.8#

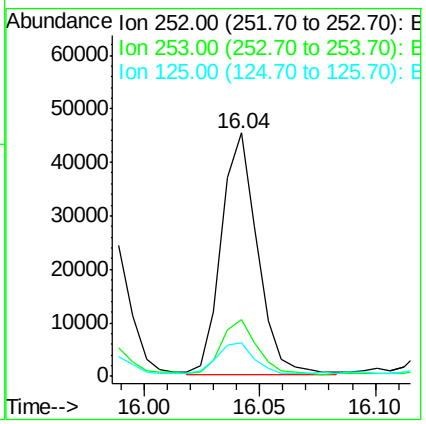




#89
Benzo(a)pyrene
Concen: 3.97 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

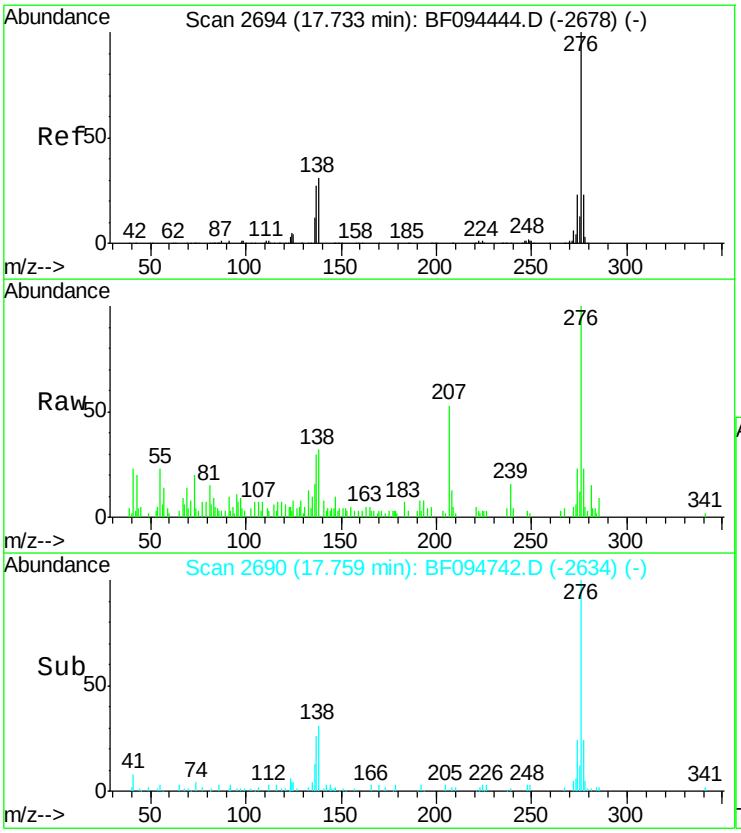
Tgt Ion:252 Resp: 49156

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
MW-6B

Manual Integrations APPROVED
mohammad
5/1/2017 7:51:10 PM



#91
Benzo(g,h,i)perylene
Concen: 2.75 ng
RT: 17.76 min Scan# 2690
Delta R.T. 0.03 min
Lab File: BF094742.D
Acq: 1 May 2017 5:08

Tgt Ion:276 Resp: 28803

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	32.0	25.4	38.0