Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096438.D
Acq On : 3 Jul 2017 13:51
Operator : SJ/MA
Sample : I3908-08 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-59-1.5-3

Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

Quant Time: Jul 03 16:49:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117455	20.00	ng		-0.01
21) Naphthalene-d8	8.00	136	423894	20.00	ng		-0.02
38) Acenaphthene-d10	9.76	164	171436	20.00	ng		-0.01
63) Phenanthrene-d10	11.23	188	237861	20.00	ng		-0.02
75) Chrysene-d12	13.86	240	187849	20.00	ng		-0.02
86) Perylene-d12	15.27	264	160362	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	228328	28.69	ng		-0.02
7) Phenol-d6	6.35	99	293764	30.03	ng		-0.02
23) Nitrobenzene-d5	7.27	82	139015	19.71	ng		-0.03
41) 2,4,6-Tribromophenol	10.54	330	36686	27.40	ng		-0.02
44) 2-Fluorobiphenyl	9.08	172	260234	25.95	ng		-0.02
78) Terphenyl-d14	12.82	244	137200	15.61	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.03	128	47376	2.367	ng		99
37) 2-Methylnaphthalene	8.72	142	35836	2.813	ng		95
49) Dimethylphthalate	9.47	163	30517	2.385	ng		97
74) Fluoranthene	12.44	202	106657	8.460	ng		98
77) Pyrene	12.67	202	103123	6.839	ng		97
80) Benzo(a)anthracene	13.86	228	61474	5.651	ng	#	91
82) Chrysene	13.89	228	63017m	5.532	ng		
85) Indeno(1,2,3-cd)pyrene	16.63	276	23713	2.637	ng		97
87) Benzo(b)fluoranthene	14.87	252	70465m	7.013	ng		
88) Benzo(k)fluoranthene	14.90	252	25008m	2.782	ng		
89) Benzo(a)pyrene	15.22	252	42962	4.789	ng	#	90
91) Benzo(g,h,i)perylene	17.05	276	22757	3.112	ng	#	87

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

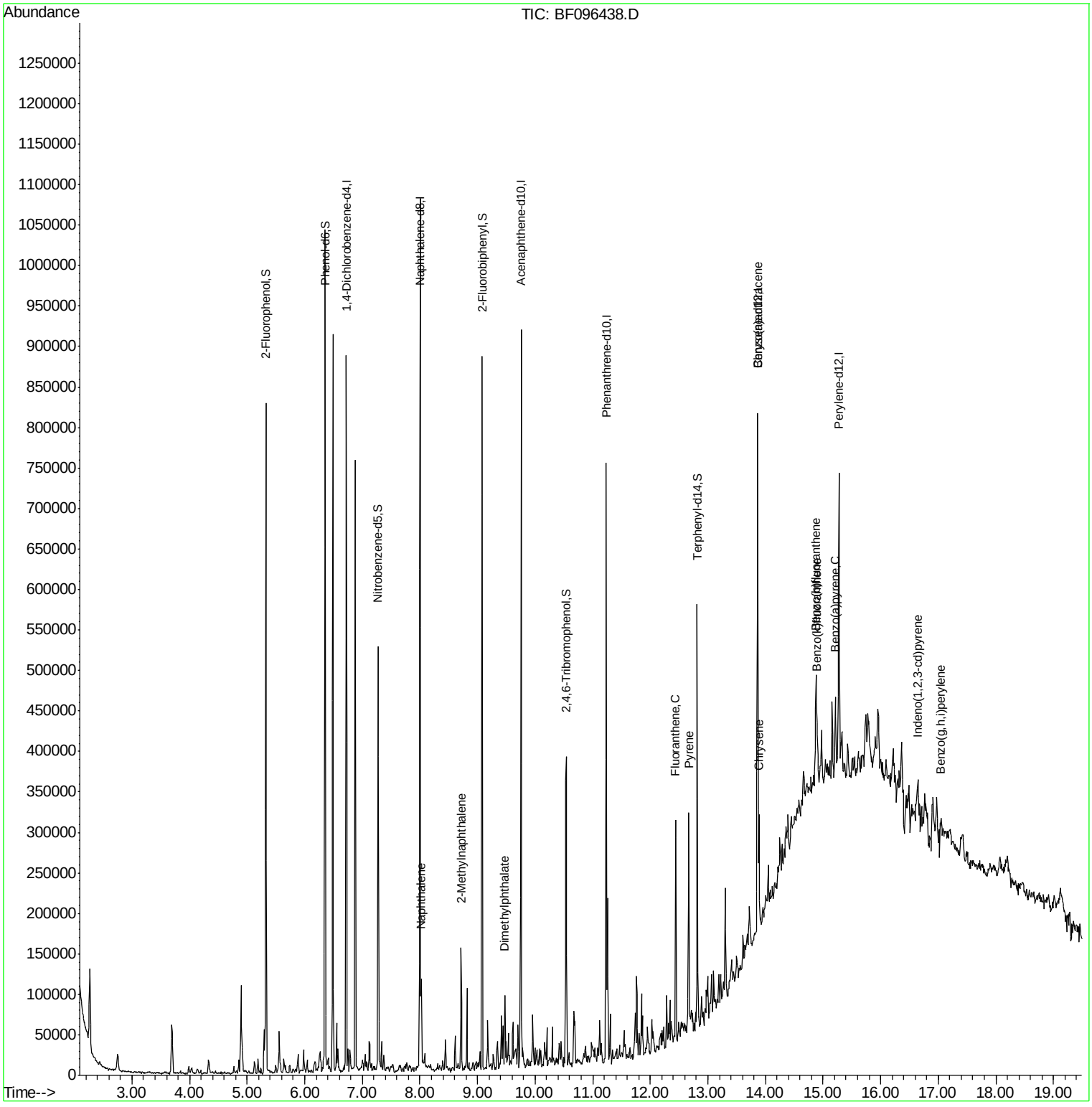
Quantitation Report (LSC Reviewed)

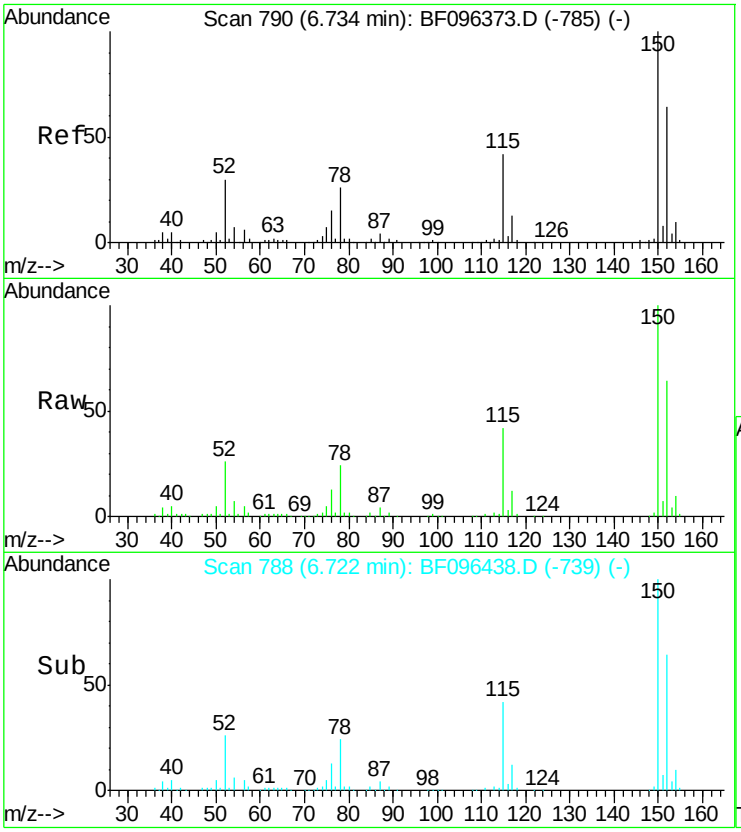
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096438.D
Acq On : 3 Jul 2017 13:51
Operator : SJ/MA
Sample : I3908-08 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 16:49:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

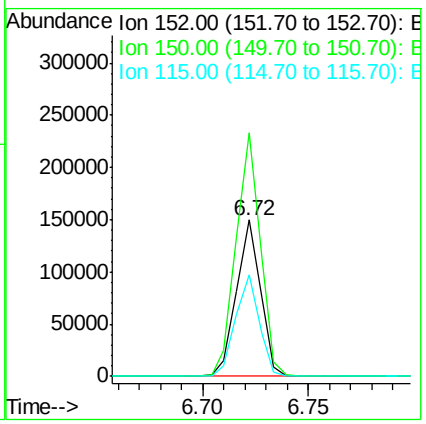




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

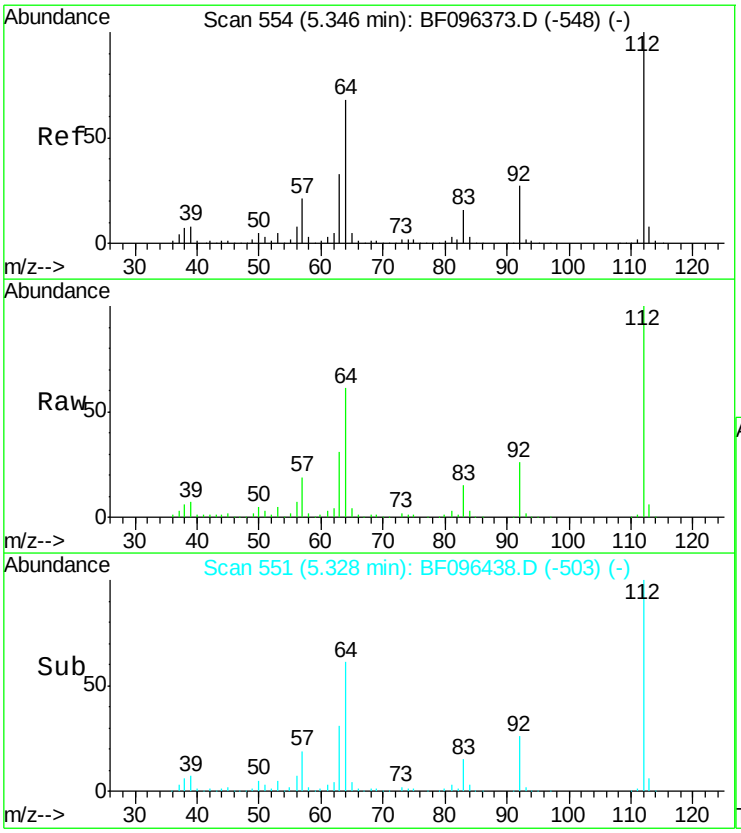
Tgt Ion:152 Resp: 117455

Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	65.0	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

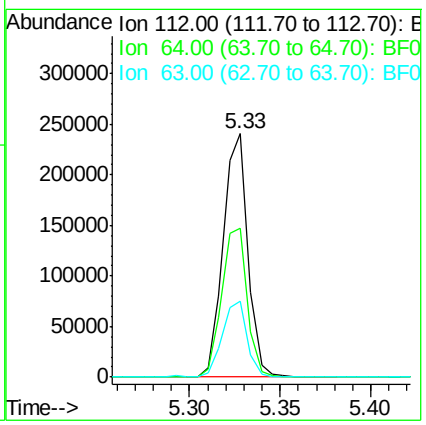
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

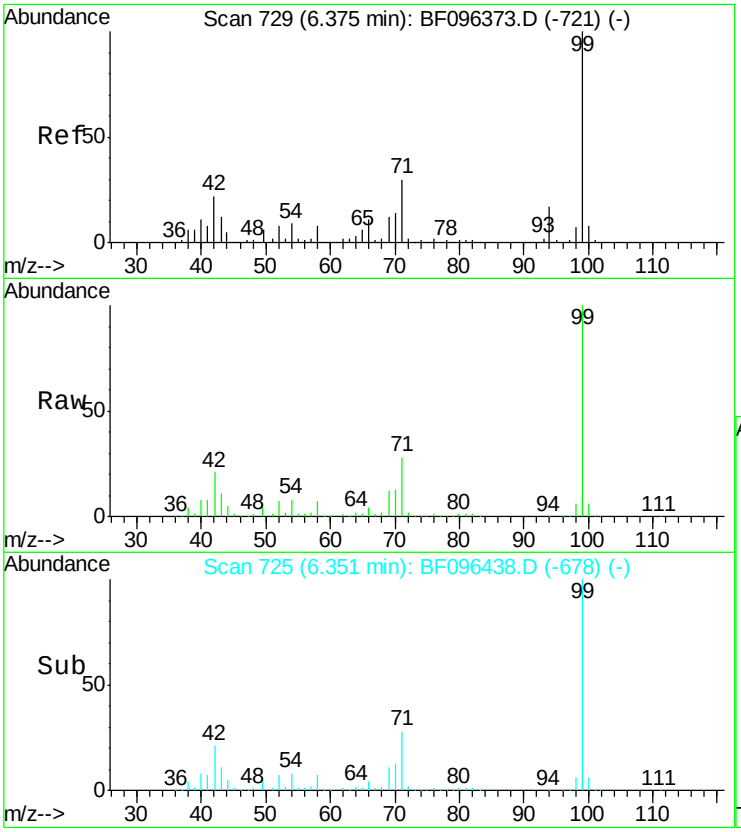


#5
2-Fluorophenol
Concen: 28.692 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:112 Resp: 228328

Ion	Ratio	Lower	Upper
112	100		
64	61.4	46.0	69.0
63	31.2	23.4	35.0

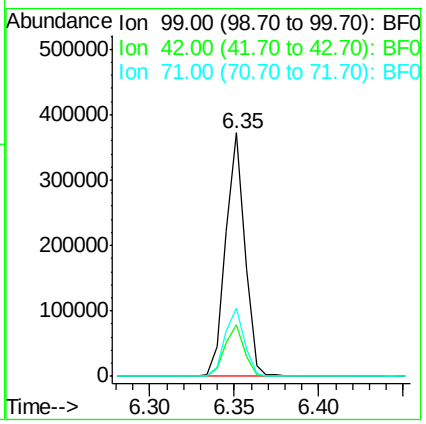




#7
Phenol-d6
Concen: 30.028 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

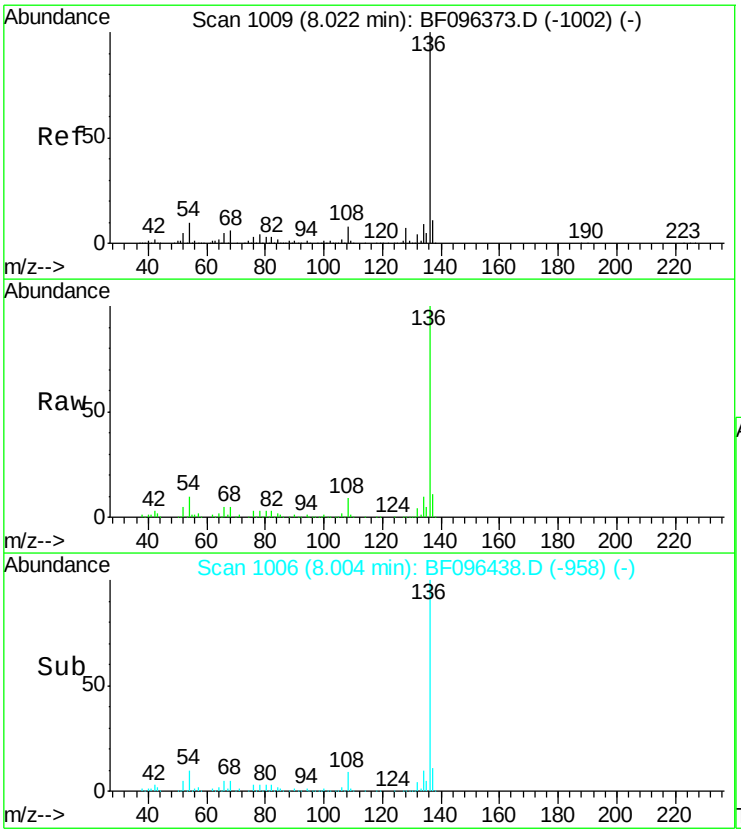
Tgt Ion: 99 Resp: 293764

Ion	Ratio	Lower	Upper
99	100		
42	21.2	13.5	20.3#
71	28.2	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

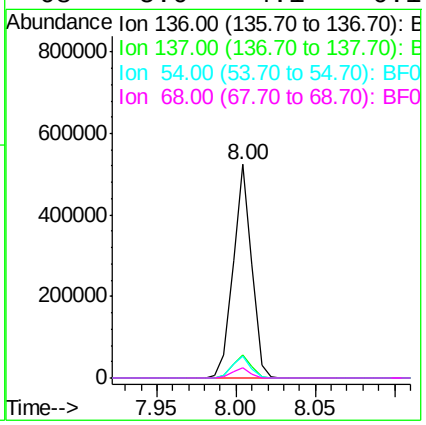
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

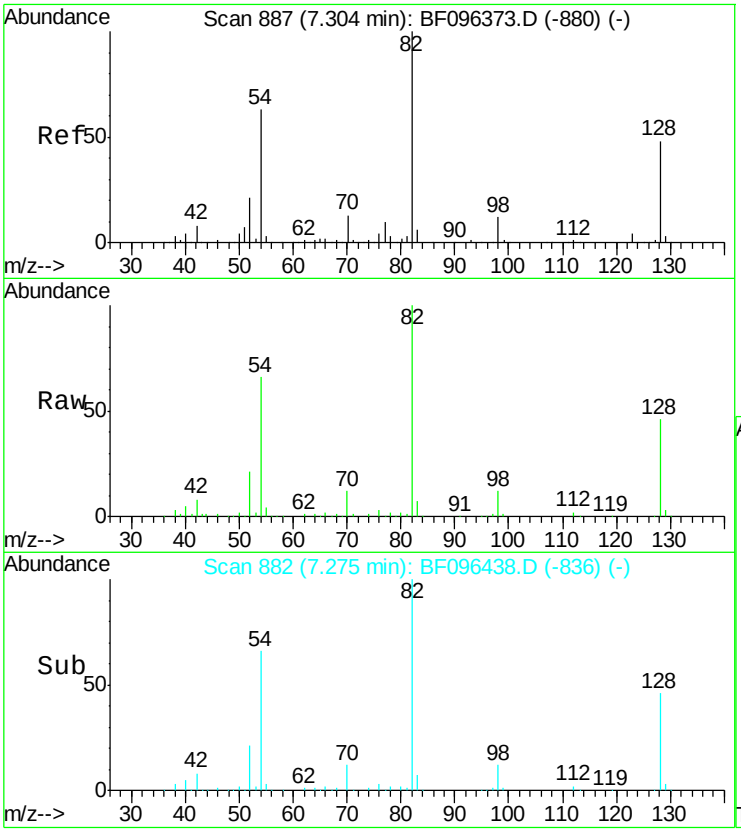


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:136 Resp: 423894

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.0	4.9	7.3#
68	5.0	4.1	6.1

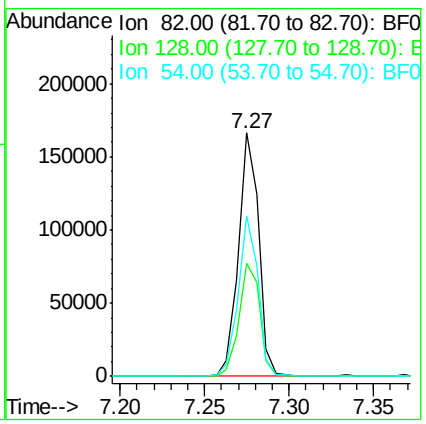




#23
Nitrobenzene-d5
Concen: 19.707 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

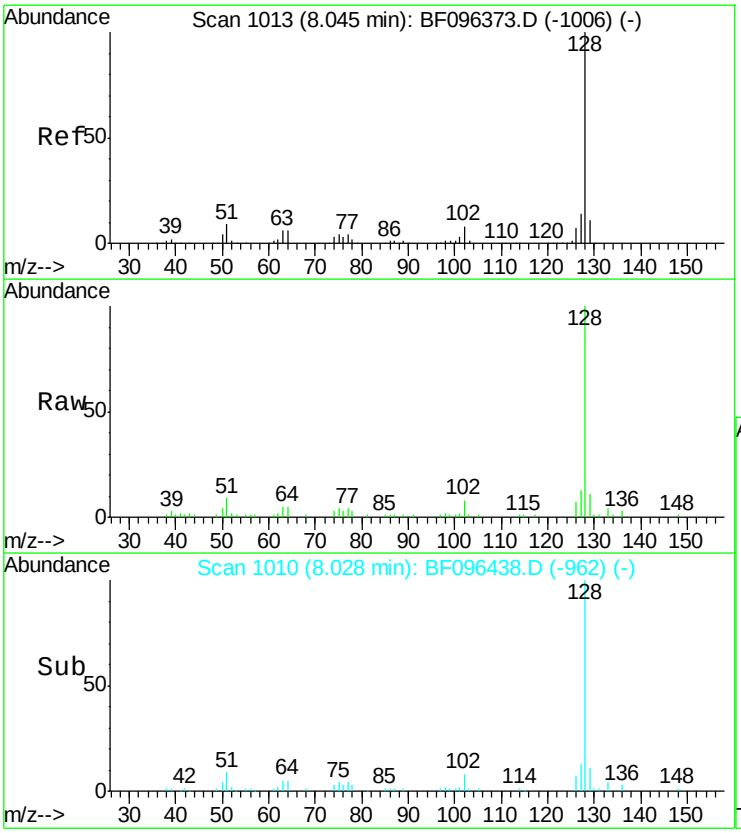
Tgt Ion: 82 Resp: 139015

Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	65.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

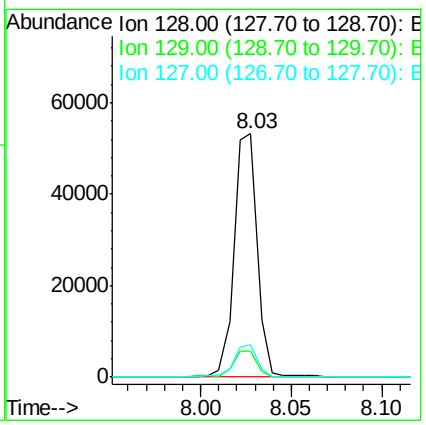
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

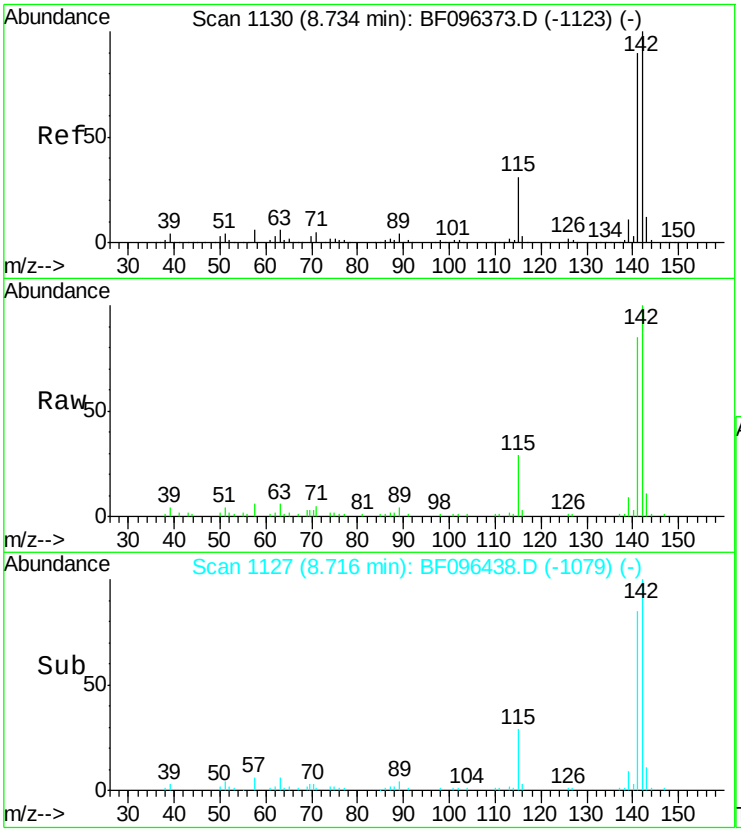


#31
Naphthalene
Concen: 2.367 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:128 Resp: 47376

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.4	10.8	16.2

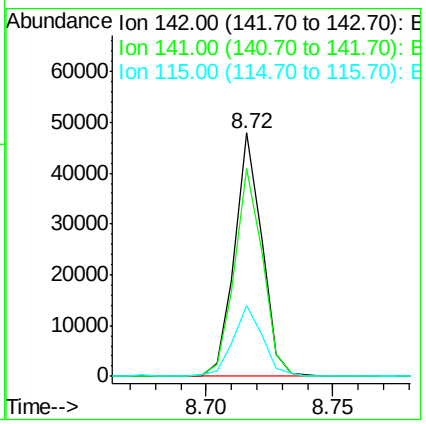




#37
2-Methylnaphthalene
Concen: 2.813 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

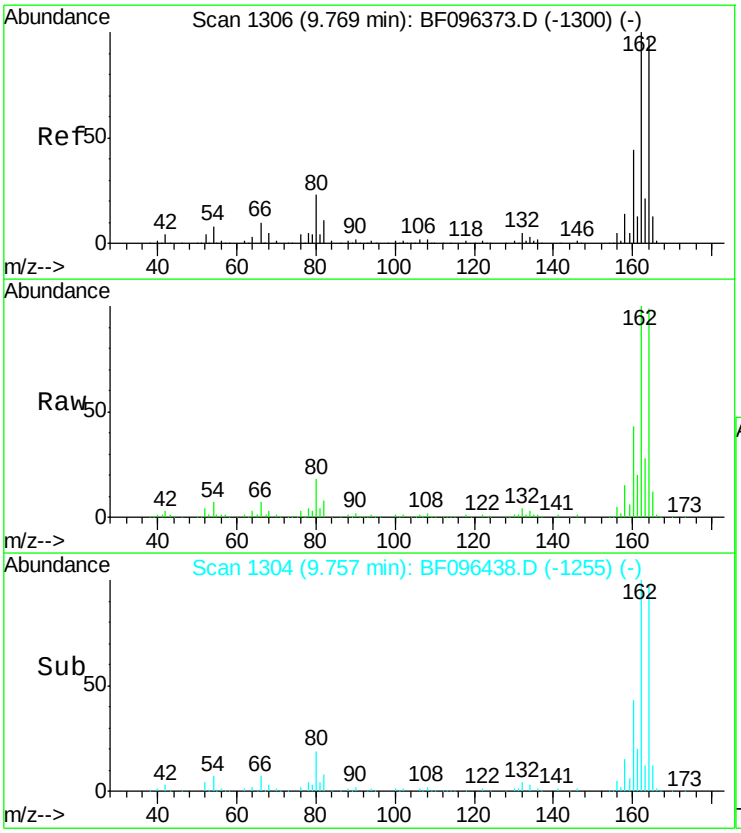
Tgt Ion:142 Resp: 35836

Ion	Ratio	Lower	Upper
142	100		
141	85.4	71.3	106.9
115	29.0	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

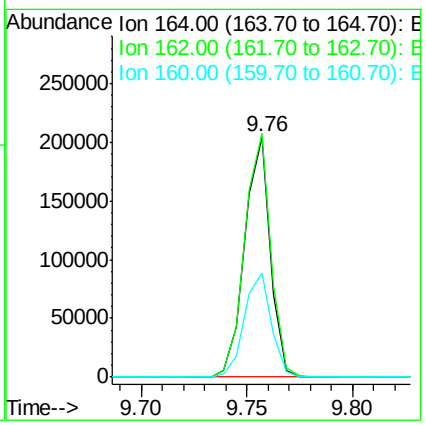
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

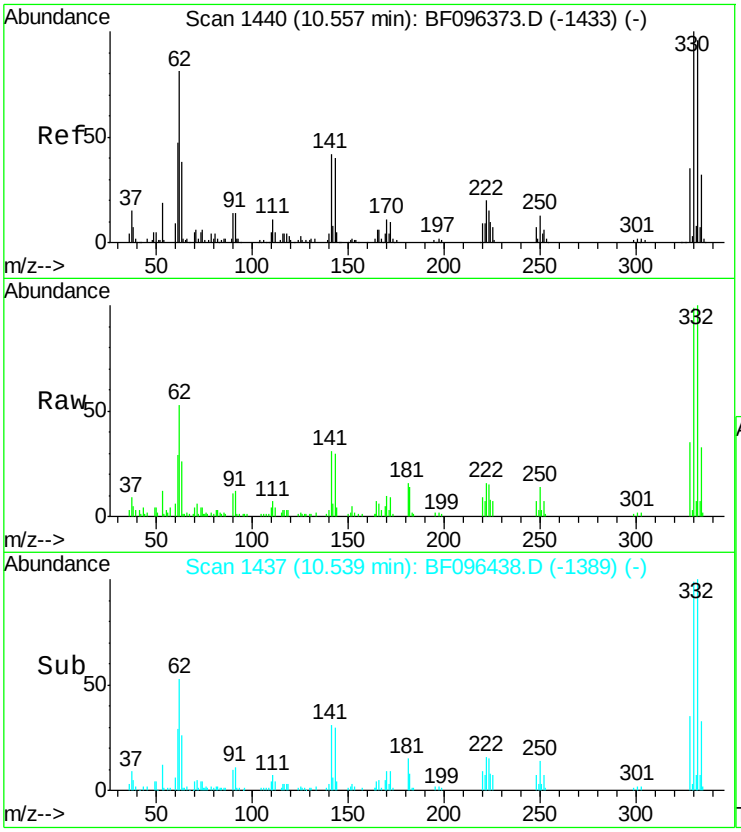


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:164 Resp: 171436

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	43.3	36.2	54.2

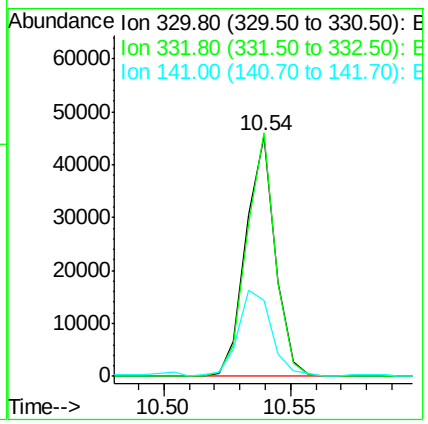




#41
2,4,6-Tribromophenol
Concen: 27.395 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

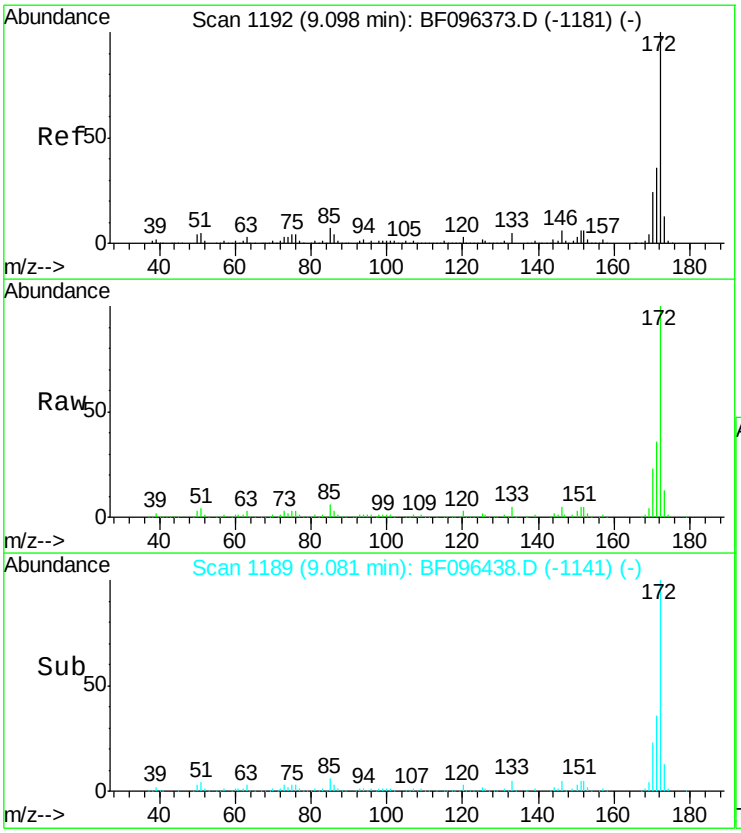
Tgt Ion:330 Resp: 36686

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	41.2	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

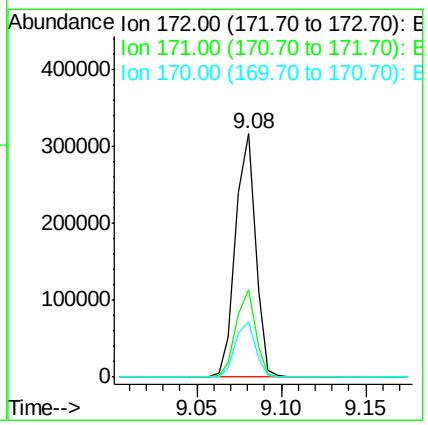
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

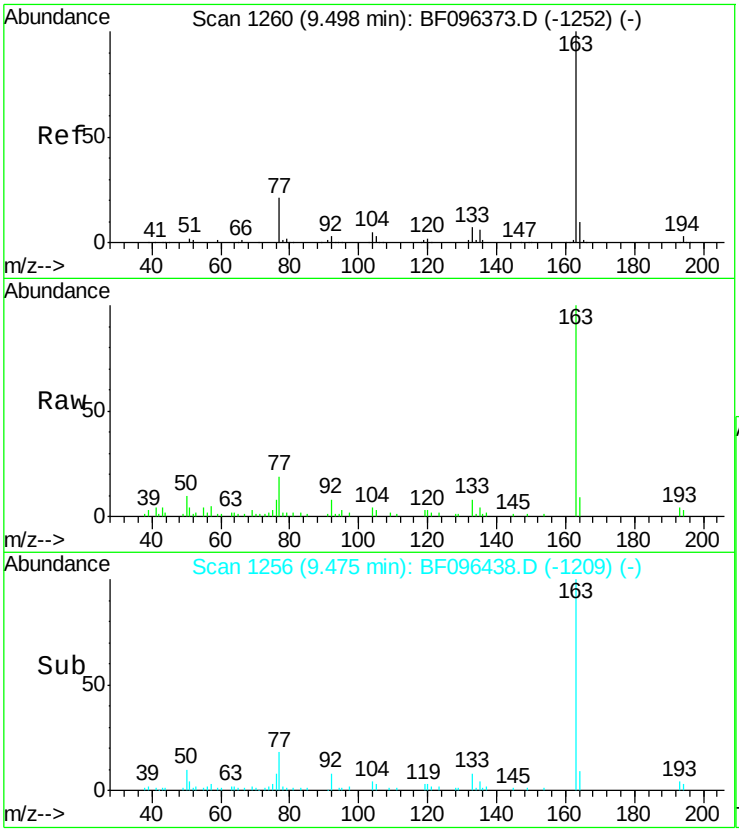


#44
2-Fluorobiphenyl
Concen: 25.954 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:172 Resp: 260234

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	22.5	19.8	29.8

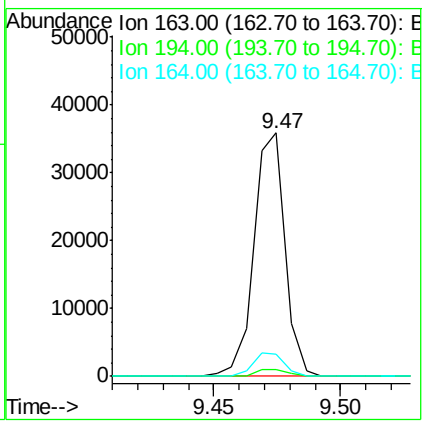




#49
Dimethylphthalate
Concen: 2.385 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

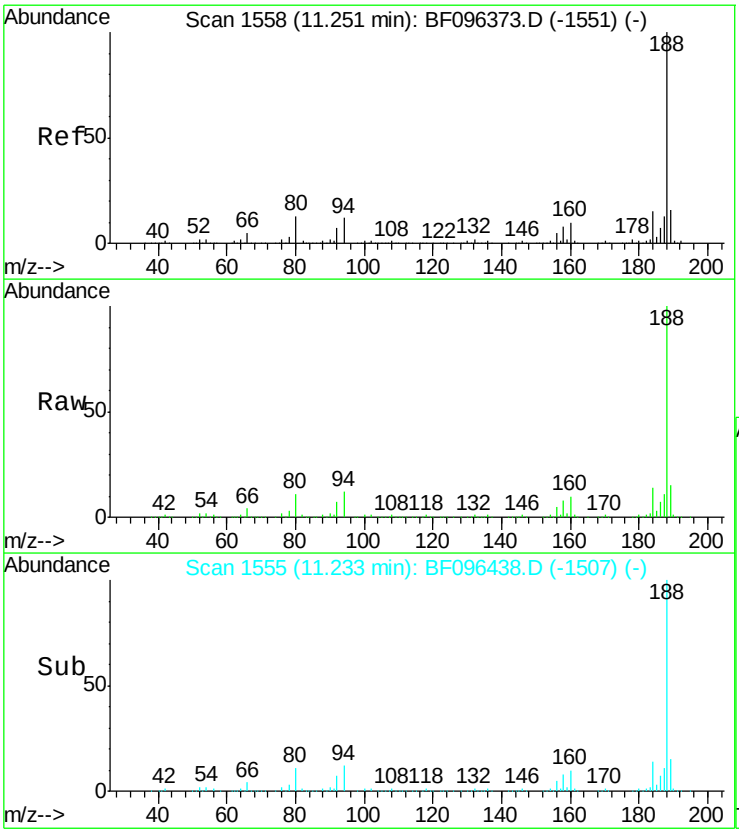
Tgt Ion:163 Resp: 30517

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	4.0
164	9.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

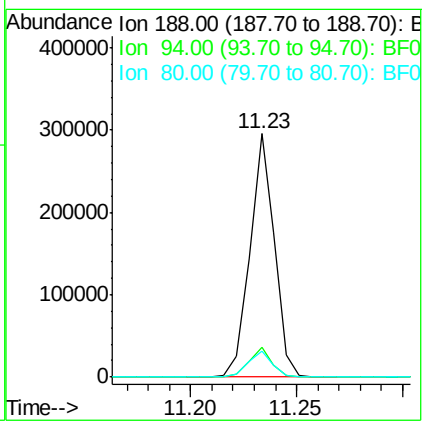
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

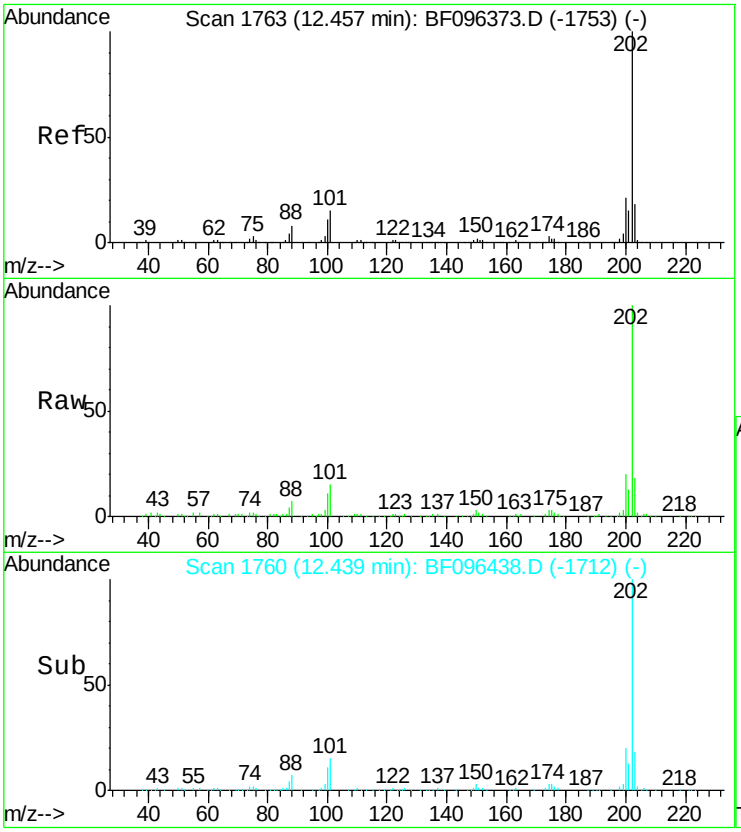


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:188 Resp: 237861

Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.4	14.2
80	10.5	10.2	15.2





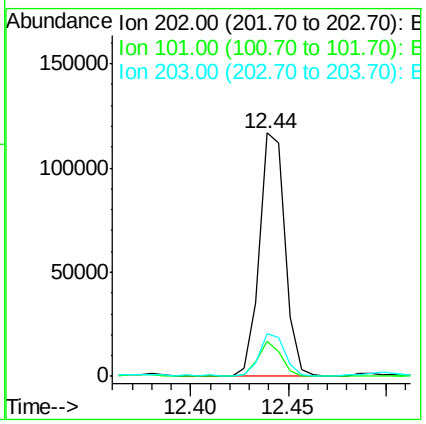
#74
Fluoranthene
Concen: 8.460 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

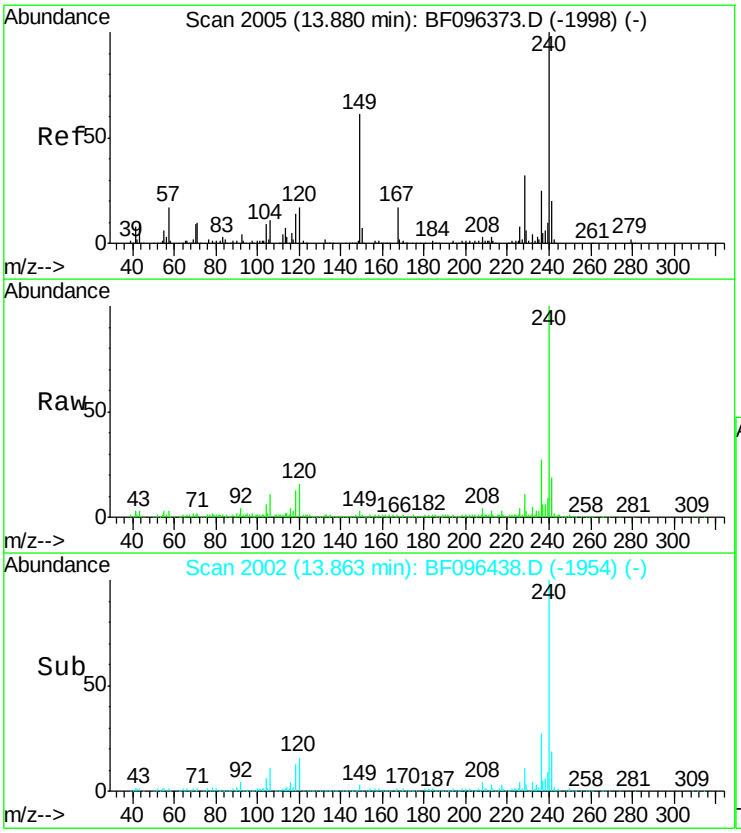
Tgt Ion:202 Resp: 106657

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.2
203	17.6	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

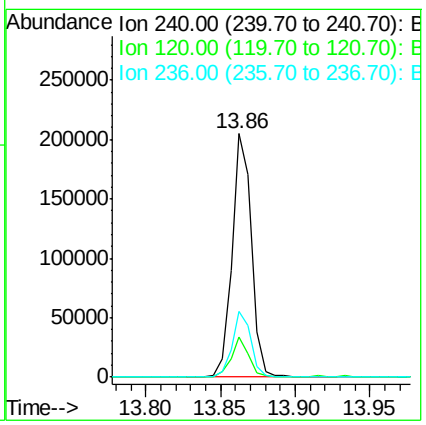


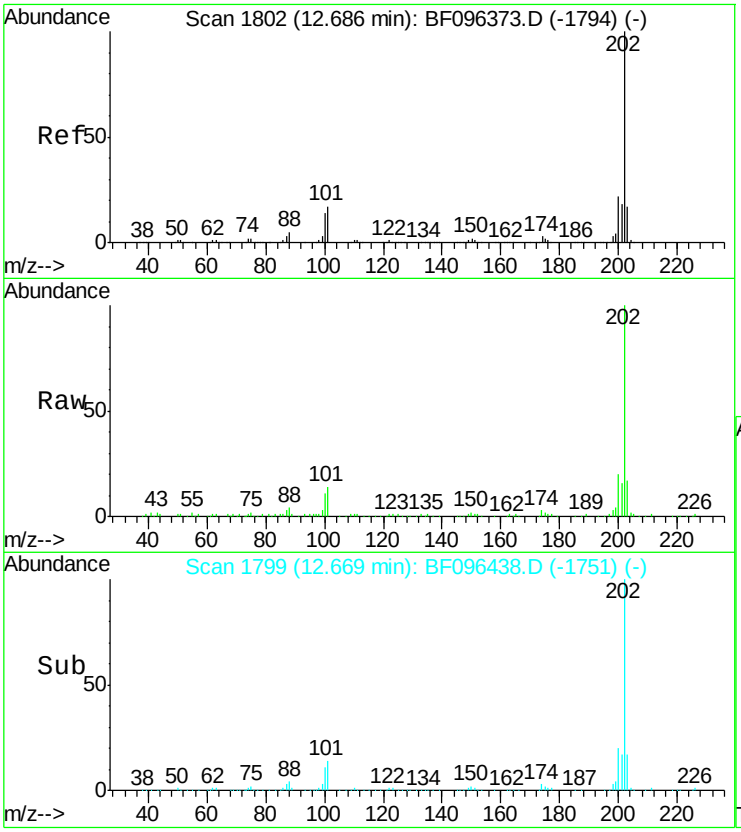


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:240 Resp: 187849

Ion	Ratio	Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	27.0	20.5	30.7

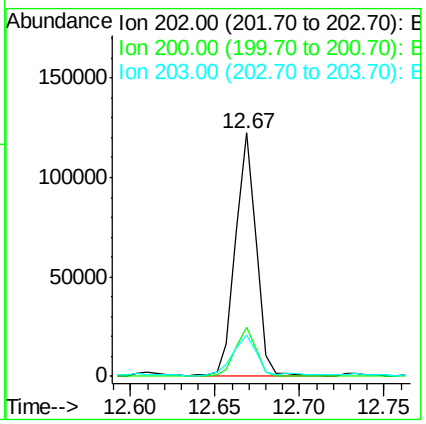




#77
Pyrene
Concen: 6.839 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

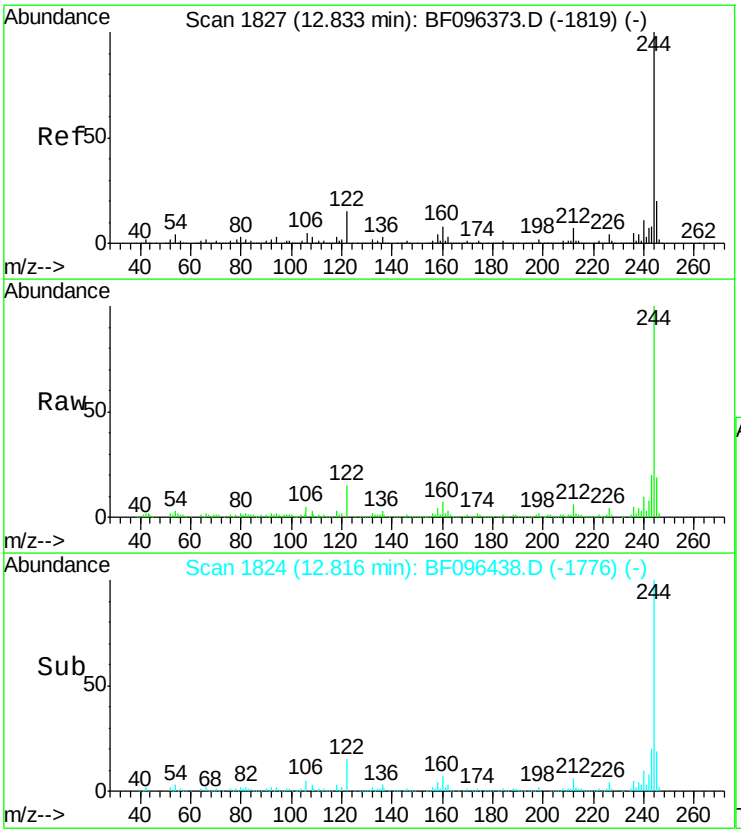
Tgt Ion:202 Resp: 103123

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.6	26.4
203	17.2	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

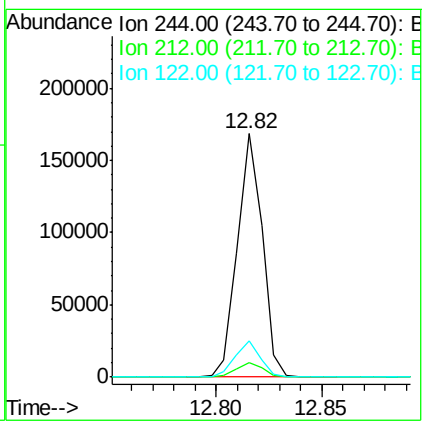
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

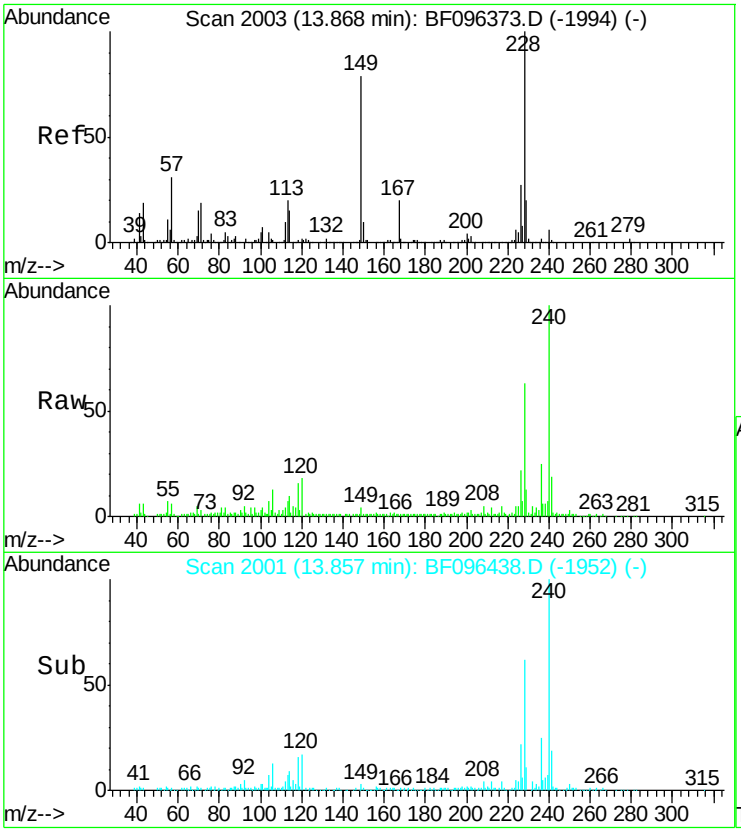


#78
Terphenyl-d14
Concen: 15.607 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:244 Resp: 137200

Ion	Ratio	Lower	Upper
244	100		
212	6.0	6.0	9.0#
122	15.1	10.3	15.5

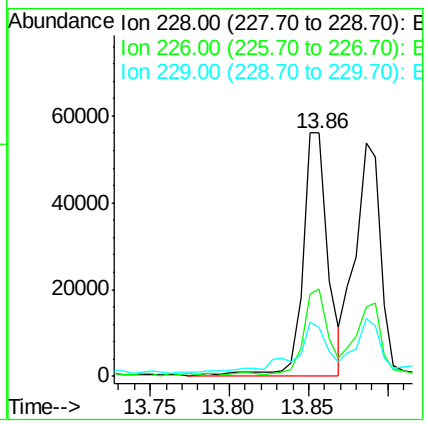




#80
Benzo(a)anthracene
Concen: 5.651 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

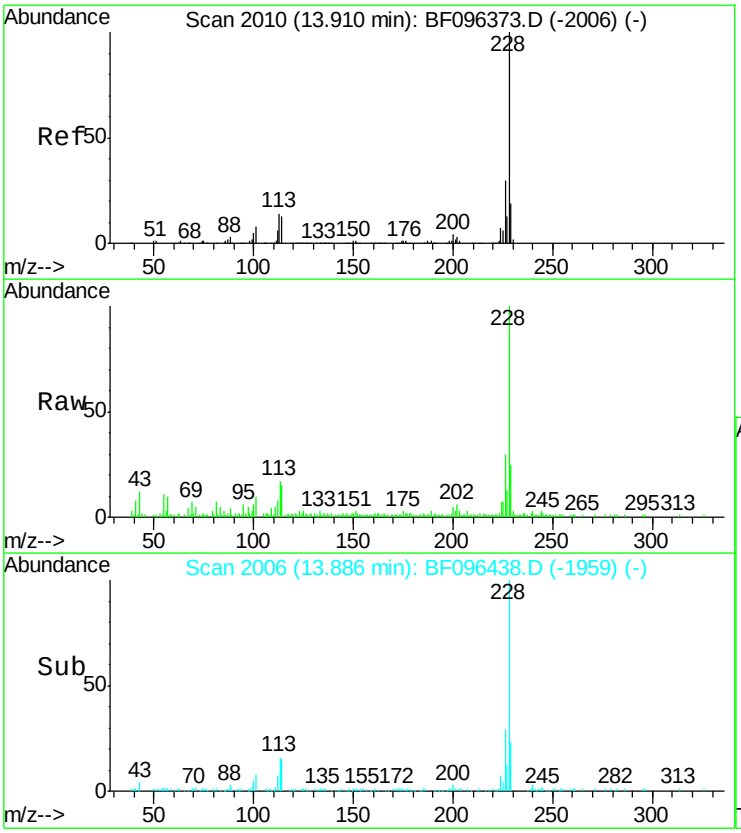
Tgt Ion:228 Resp: 61474

Ion	Ratio	Lower	Upper
228	100		
226	35.9	22.6	33.8#
229	20.1	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

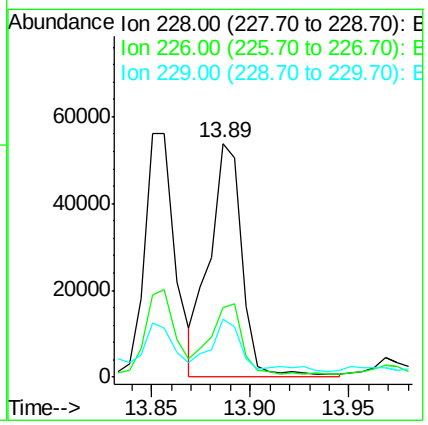
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

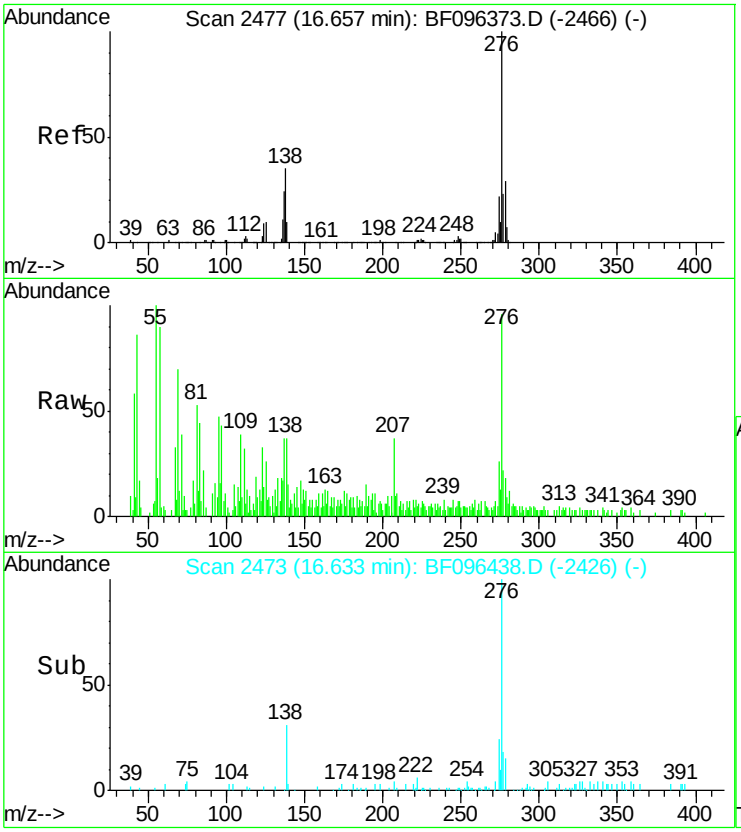


#82
Chrysene
Concen: 5.532 ng m
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:228 Resp: 63017

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	24.7	15.8	23.6#

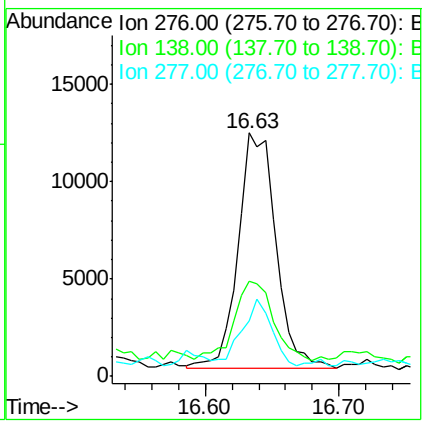




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.637 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

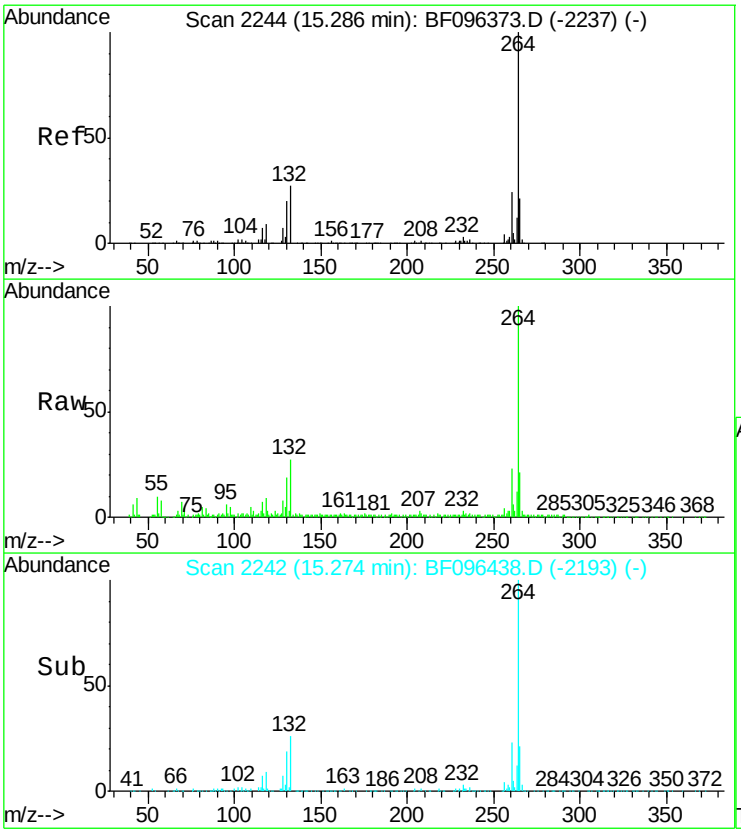
Tgt Ion:276 Resp: 23713

Ion	Ratio	Lower	Upper
276	100		
138	34.3	27.8	41.6
277	22.1	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

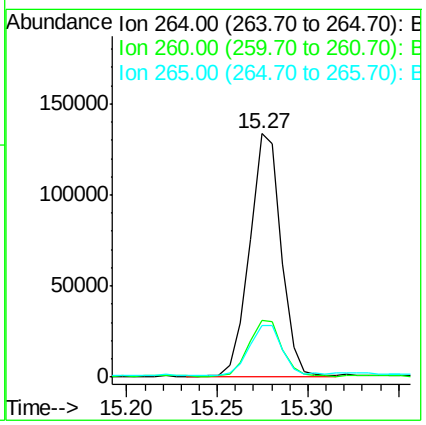
Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

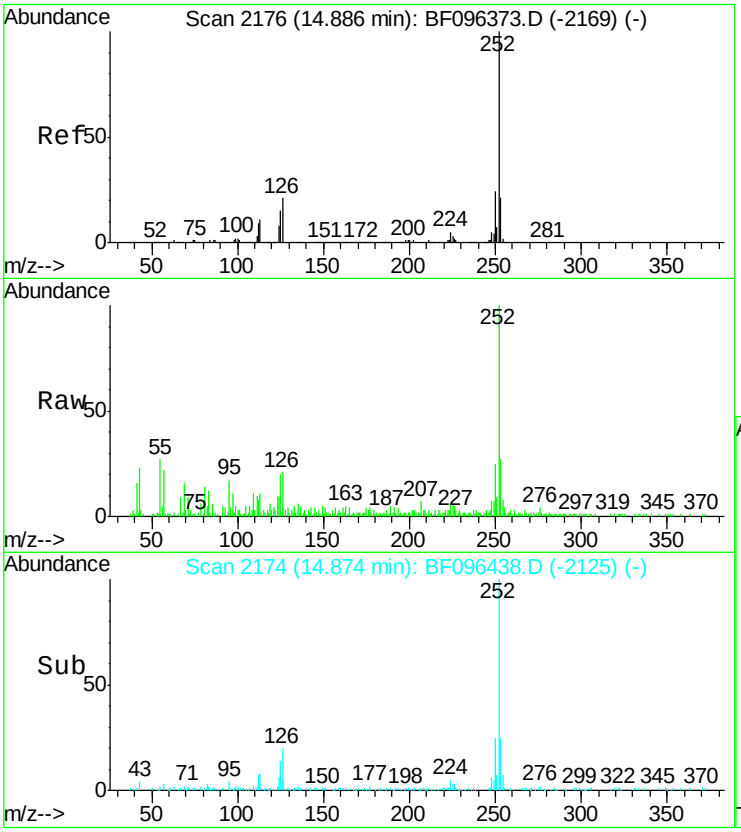


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:264 Resp: 160362

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.1	17.2	25.8





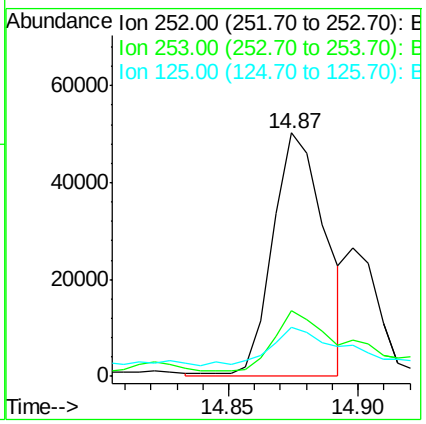
#87
Benzo(b)fluoranthene
Concen: 7.013 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

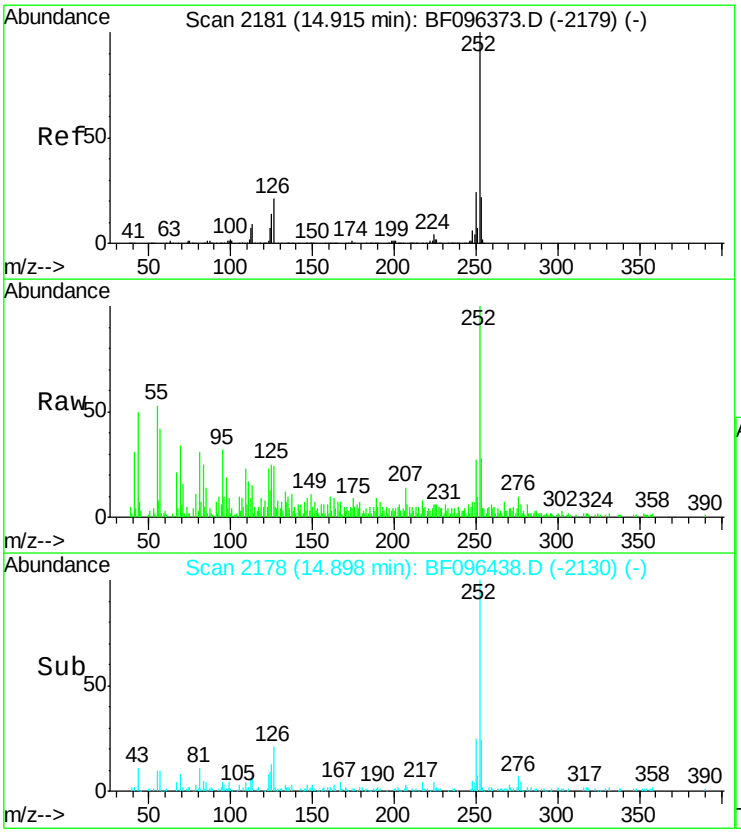
Tgt Ion:252 Resp: 70465

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.1	27.1
125	20.0	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM

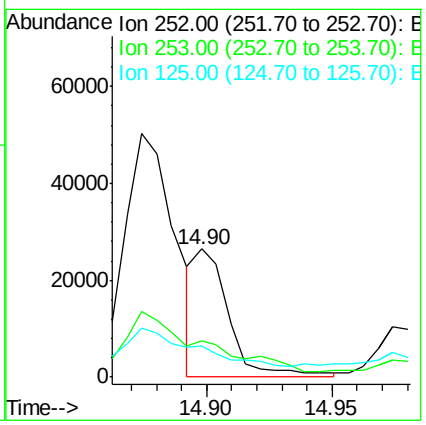


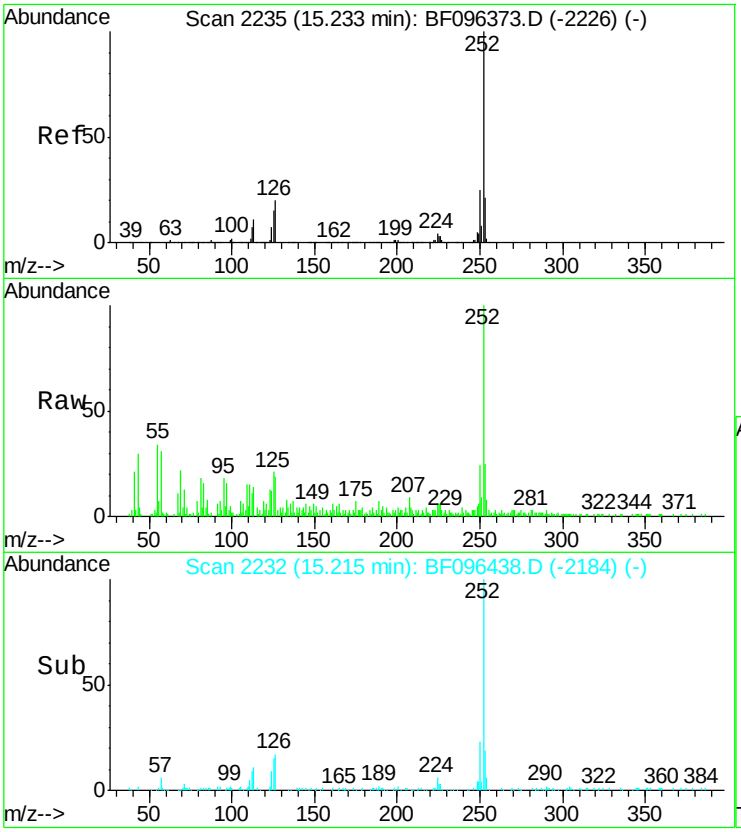


#88
Benzo(k)fluoranthene
Concen: 2.782 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:252 Resp: 25008

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.4	27.6#
125	24.8	13.1	19.7#





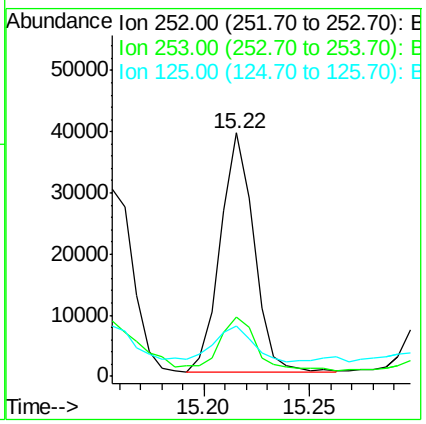
#89
Benzo(a)pyrene
Concen: 4.789 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

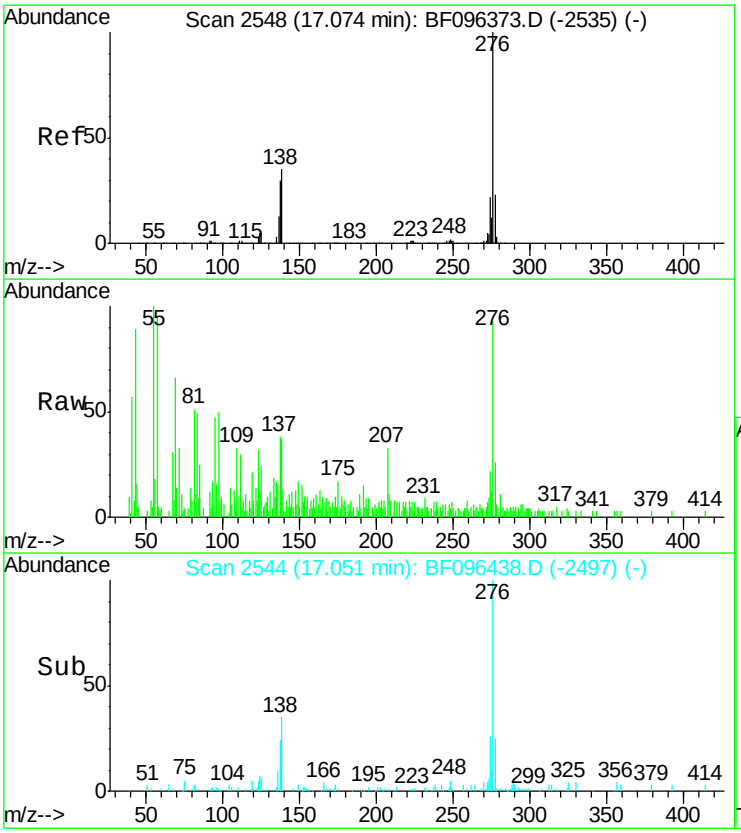
Tgt Ion:252 Resp: 42962

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	20.5	11.0	16.4#

Instrument :
BNA_F
ClientSampleId :
G-59-1.5-3

Manual Integrations APPROVED
mohammad
7/5/2017 11:41:10 AM





#91
Benzo(g,h,i)perylene
Concen: 3.112 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:276 Resp: 22757

Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.6	28.0#
138	40.0	25.4	38.0#