Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096361.D
Acq On : 1 Jul 2017 2:52
Operator : SJ/MA
Sample : I3930-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

Quant Time: Jul 03 11:07:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	145587	20.00	ng		-0.02
21) Naphthalene-d8	8.04	136	543718	20.00	ng		-0.02
38) Acenaphthene-d10	9.79	164	198956	20.00	ng		-0.02
63) Phenanthrene-d10	11.27	188	314522	20.00	ng		-0.01
75) Chrysene-d12	13.90	240	264341	20.00	ng		-0.01
86) Perylene-d12	15.33	264	171822	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	774042	76.60	ng		-0.01
7) Phenol-d6	6.39	99	925991	75.68	ng		0.00
23) Nitrobenzene-d5	7.32	82	505347	64.34	ng		-0.04
41) 2,4,6-Tribromophenol	10.57	330	156549	99.98	ng		-0.02
44) 2-Fluorobiphenyl	9.12	172	762793	70.21	ng		-0.03
78) Terphenyl-d14	12.86	244	580597	54.81	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.06	128	65050	2.48	ng		100
37) 2-Methylnaphthalene	8.75	142	52597	3.09	ng		97
49) Dimethylphthalate	9.51	163	115889	8.14	ng		98
74) Fluoranthene	12.48	202	155346	8.89	ng		96
77) Pyrene	12.71	202	140343	6.46	ng		98
80) Benzo(a)anthracene	13.89	228	68601	4.26	ng		93
82) Chrysene	13.93	228	68828	4.13	ng	#	93
85) Indeno(1,2,3-cd)pyrene	16.71	276	33113	2.39	ng	#	92
87) Benzo(b)fluoranthene	14.92	252	77287m	6.85	ng		
89) Benzo(a)pyrene	15.26	252	36570	3.67	ng	#	77
91) Benzo(g,h,i)perylene	17.13	276	30308	3.74	ng	#	81

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

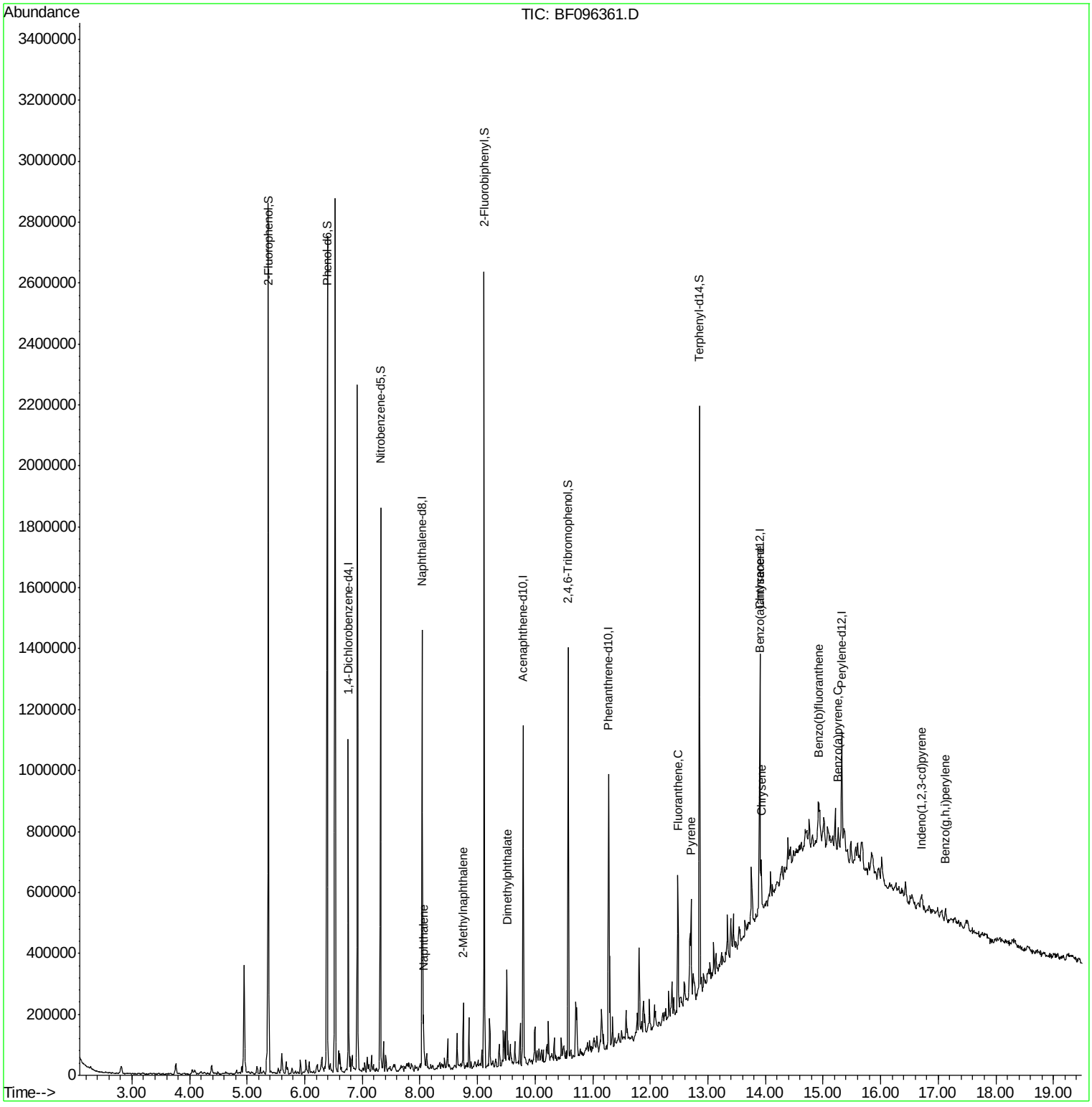
Quantitation Report (LSC Reviewed)

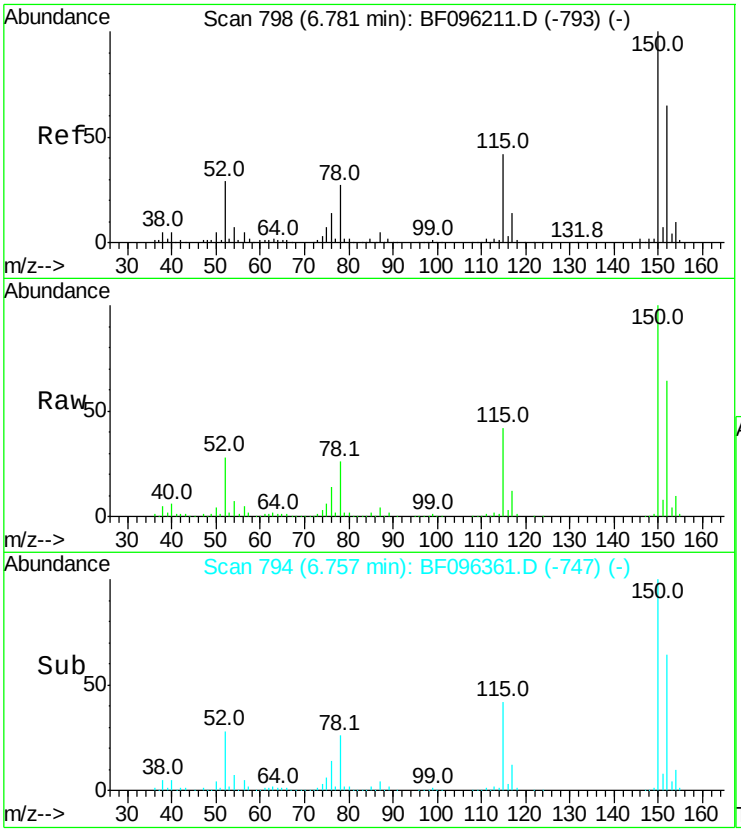
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096361.D
Acq On : 1 Jul 2017 2:52
Operator : SJ/MA
Sample : I3930-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jul 03 11:07:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

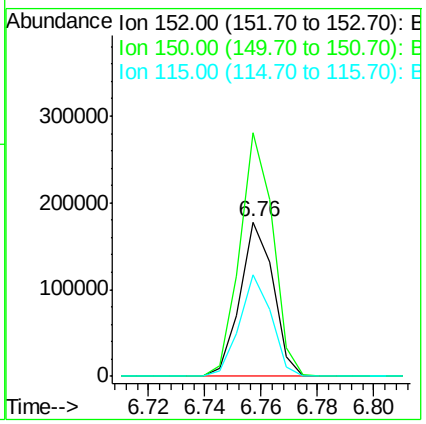




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

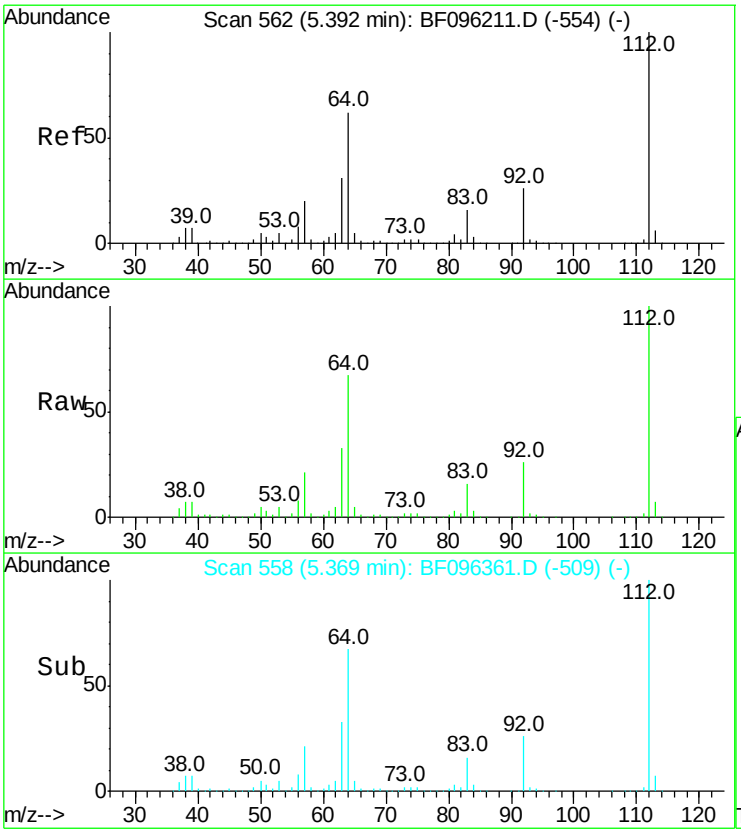
Tgt Ion:152 Resp: 145587

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	65.6	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
B3-4-6

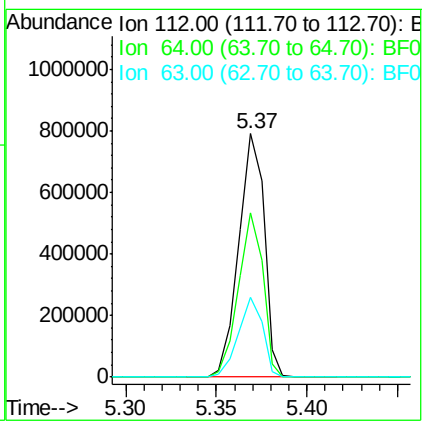
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

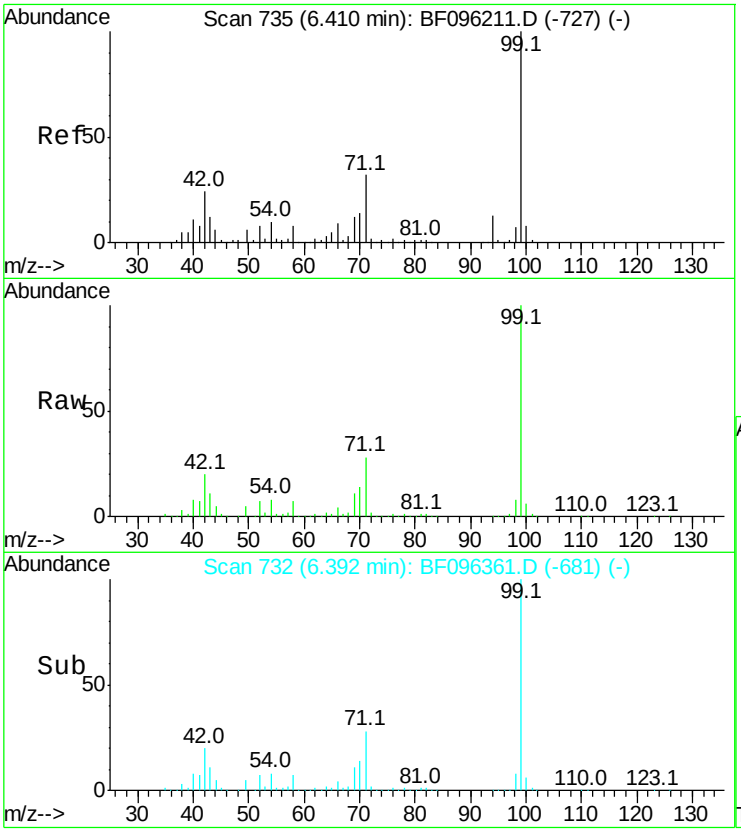


#5
2-Fluorophenol
Concen: 76.60 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:112 Resp: 774042

Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.0	69.0
63	32.6	23.4	35.0

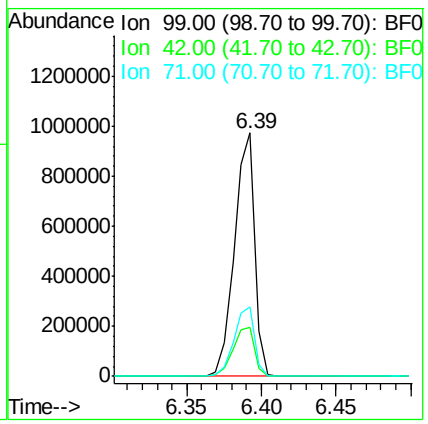




#7
Phenol-d6
Concen: 75.68 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

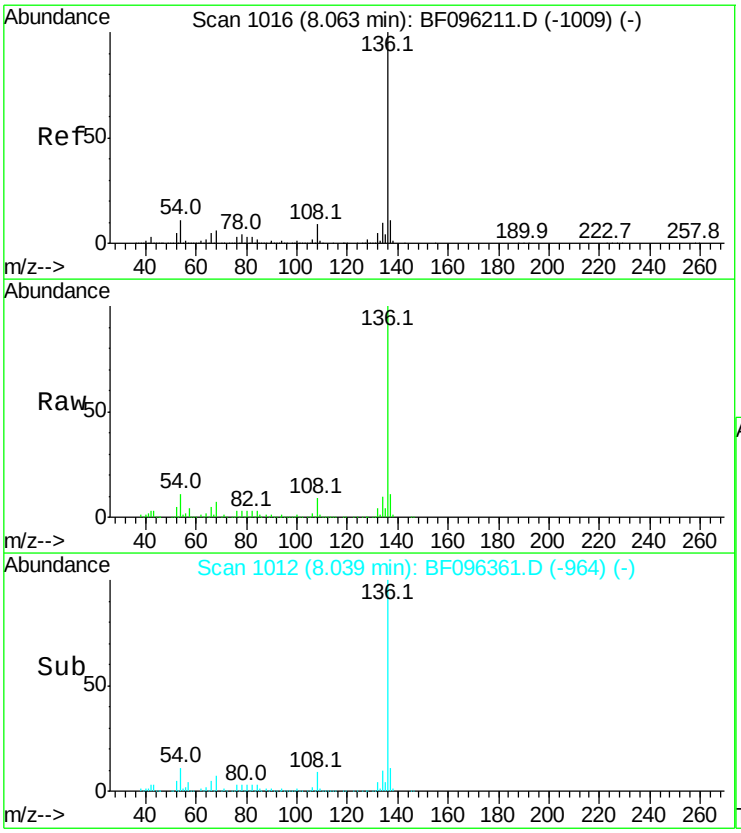
Tgt Ion: 99 Resp: 925991

Ion	Ratio	Lower	Upper
99	100		
42	20.3	13.5	20.3#
71	28.4	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
B3-4-6

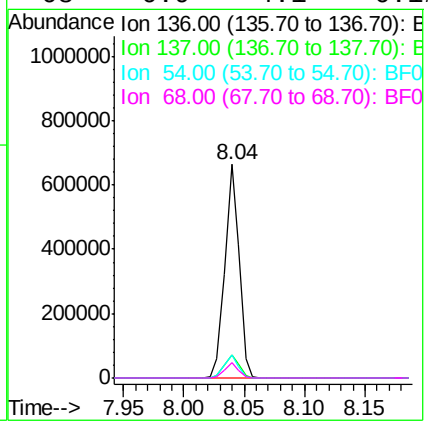
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

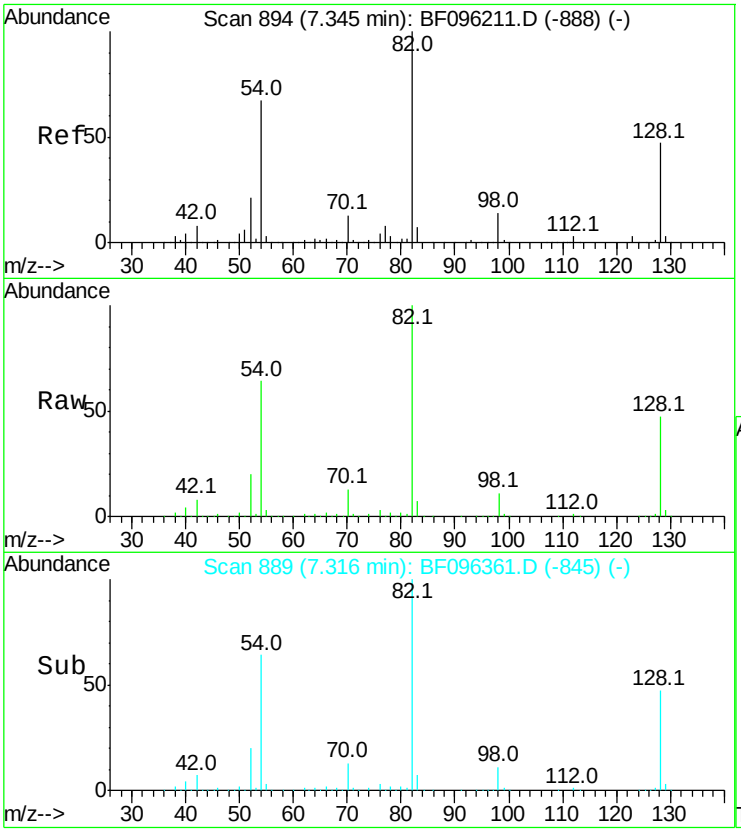


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:136 Resp: 543718

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.0	4.9	7.3#
68	6.9	4.1	6.1#

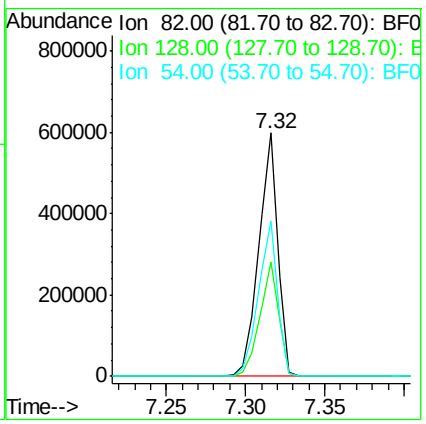




#23
Nitrobenzene-d5
Concen: 64.34 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.04 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

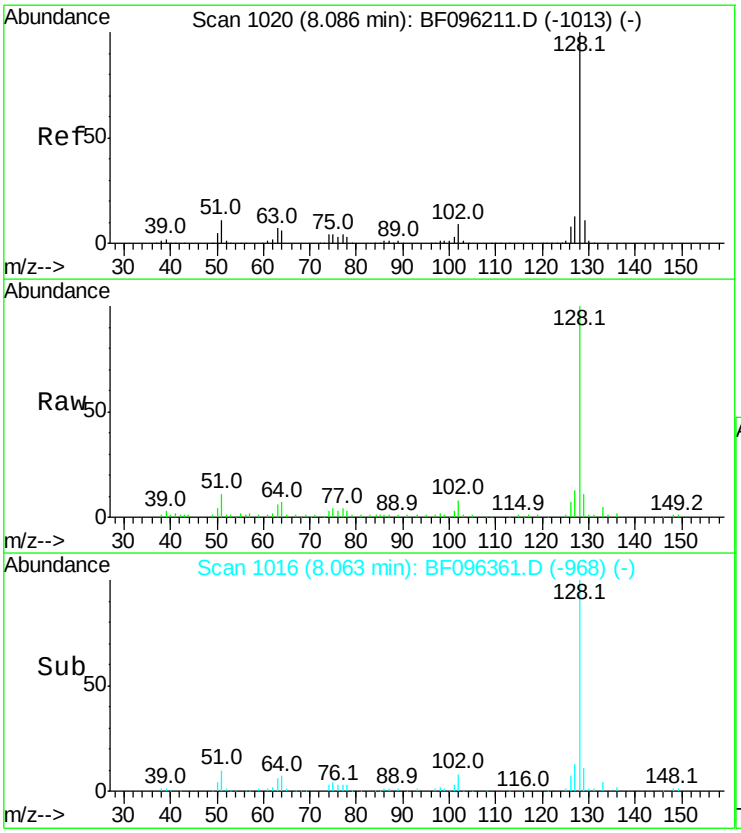
Tgt Ion: 82 Resp: 505347

Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	63.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
B3-4-6

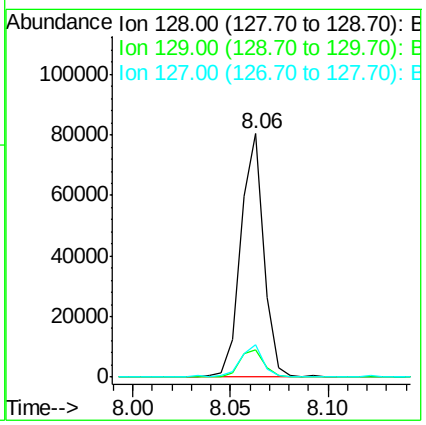
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

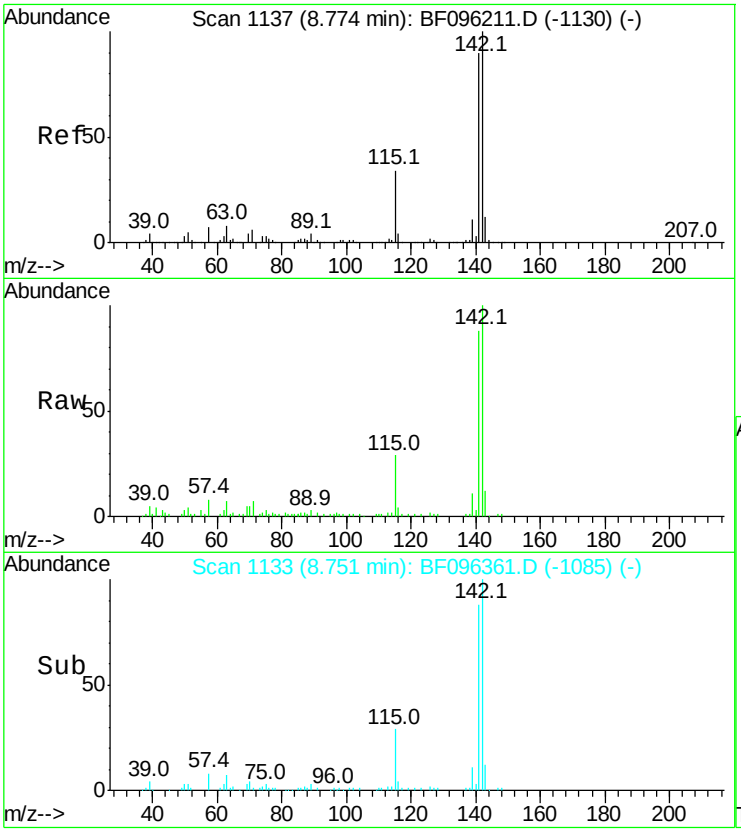


#31
Naphthalene
Concen: 2.48 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:128 Resp: 65050

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.5	10.8	16.2

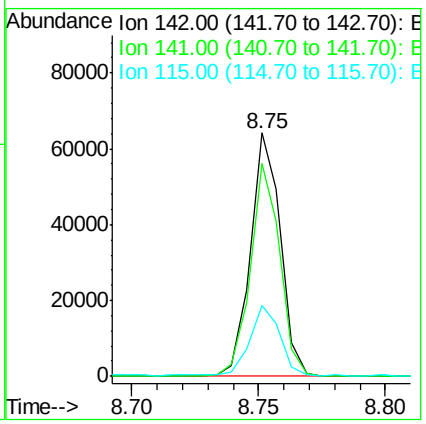




#37
2-Methylnaphthalene
Concen: 3.09 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

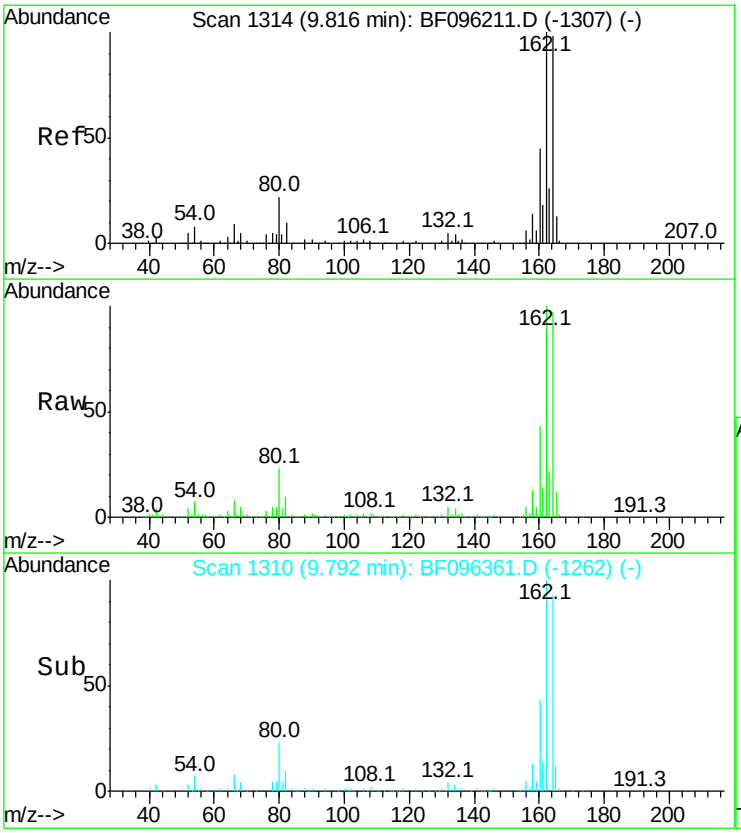
Tgt Ion:142 Resp: 52597

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.3	106.9
115	29.2	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
B3-4-6

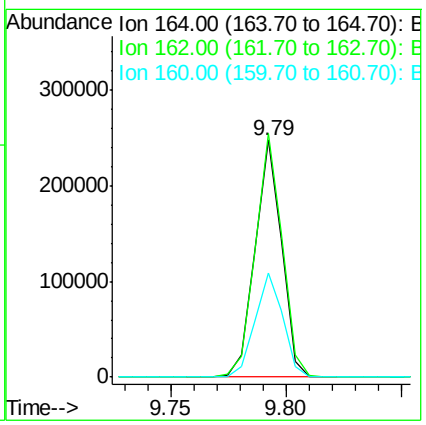
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

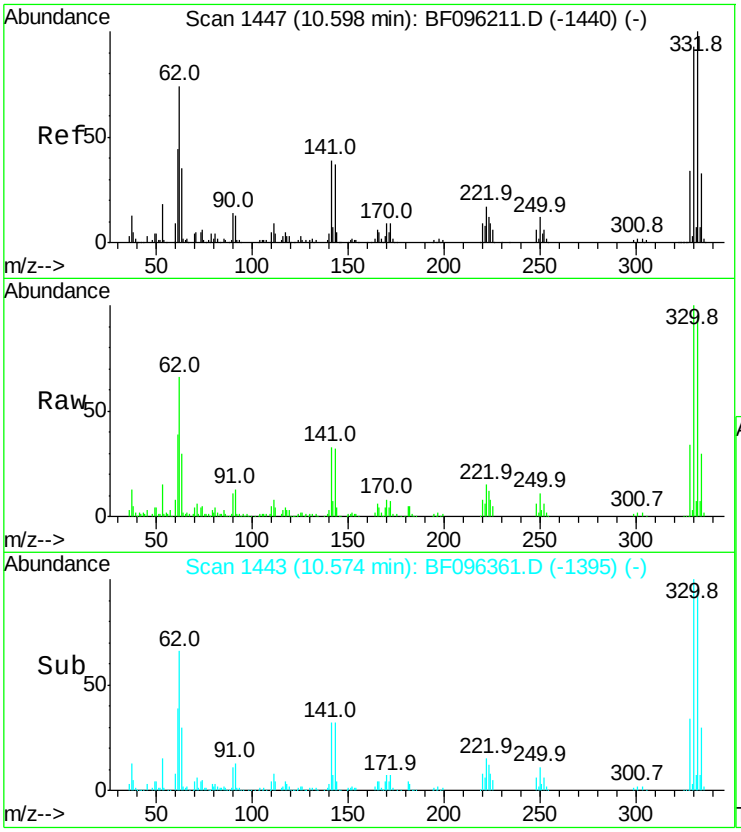


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:164 Resp: 198956

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	44.2	36.2	54.2





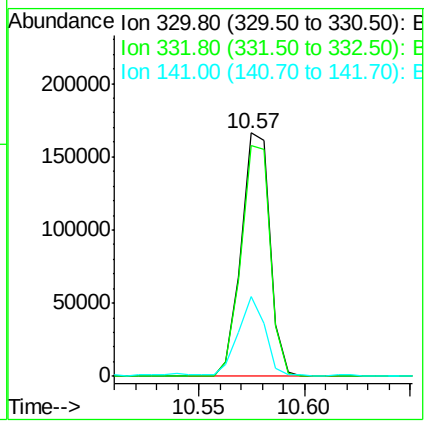
#41
2,4,6-Tribromophenol
Concen: 99.98 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

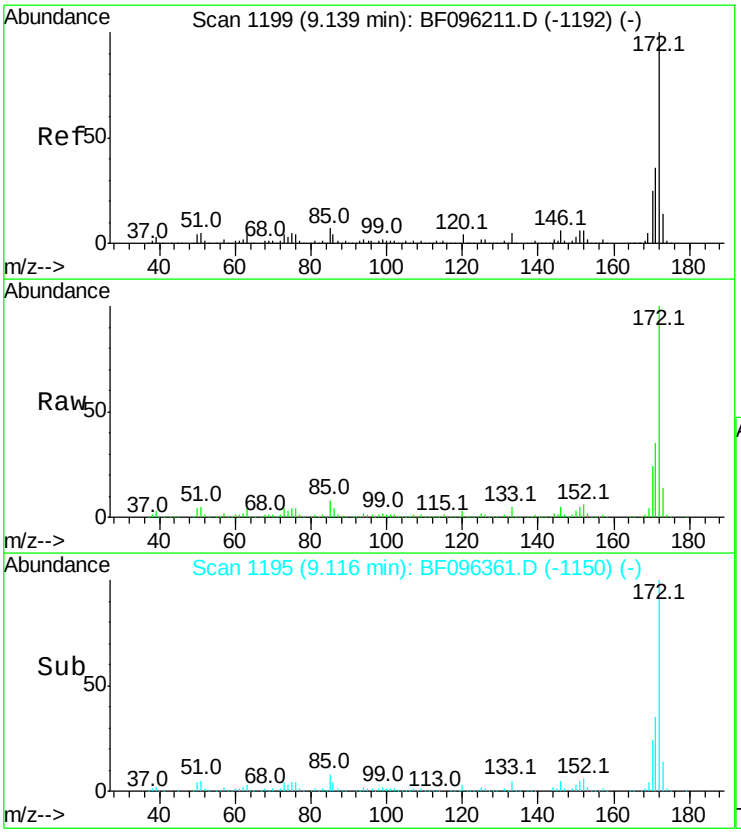
Tgt Ion:330 Resp: 156549

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	29.8	31.4	47.2#

Instrument :
BNA_F
ClientSampleId :
B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

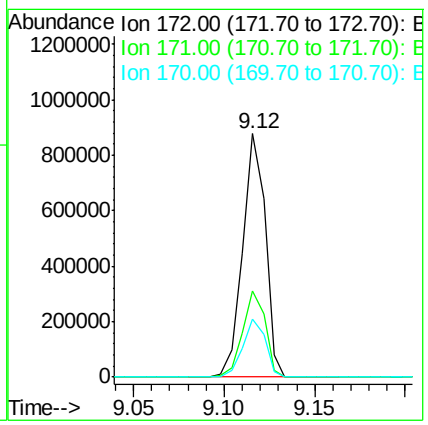


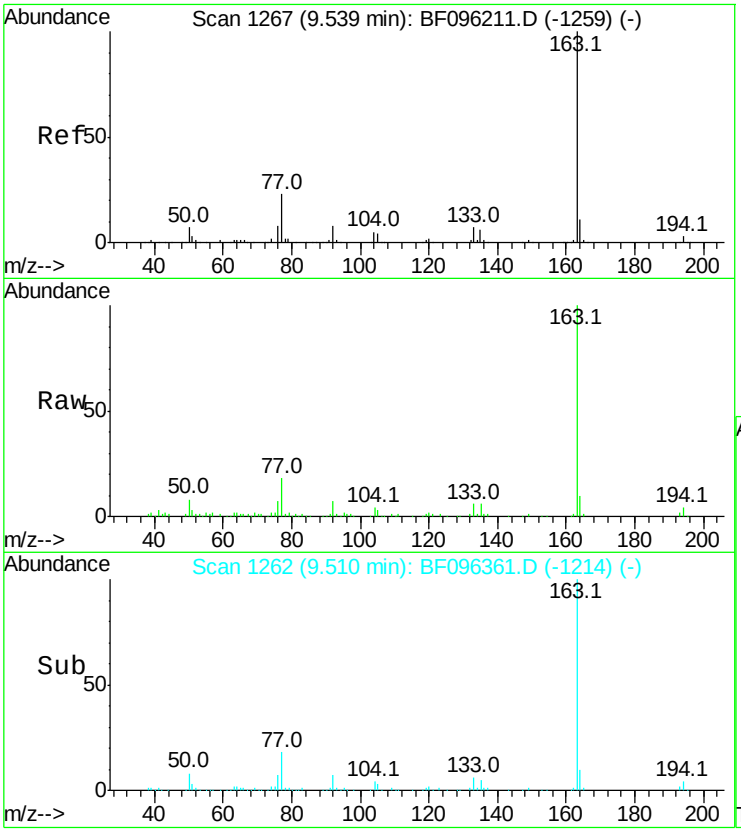


#44
2-Fluorobiphenyl
Concen: 70.21 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.03 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:172 Resp: 762793

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.0	19.8	29.8

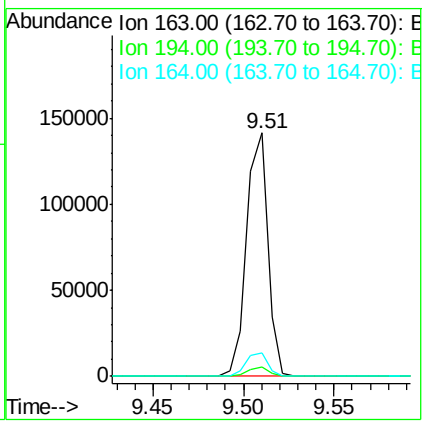




#49
Dimethylphthalate
Concen: 8.14 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

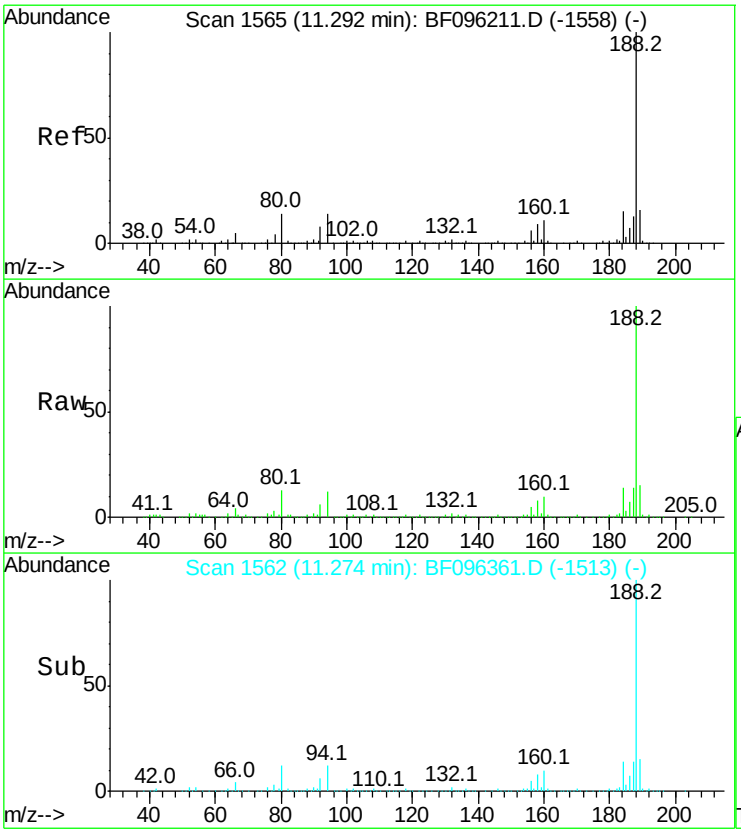
Tgt Ion:163 Resp: 115889

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.7	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
B3-4-6

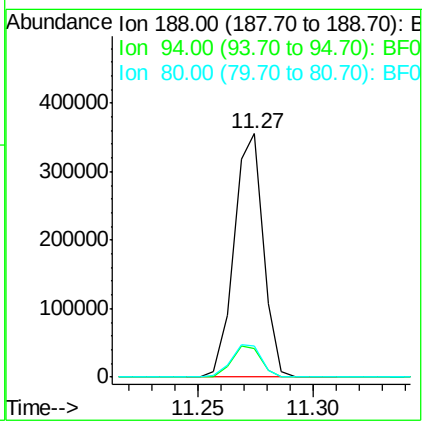
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

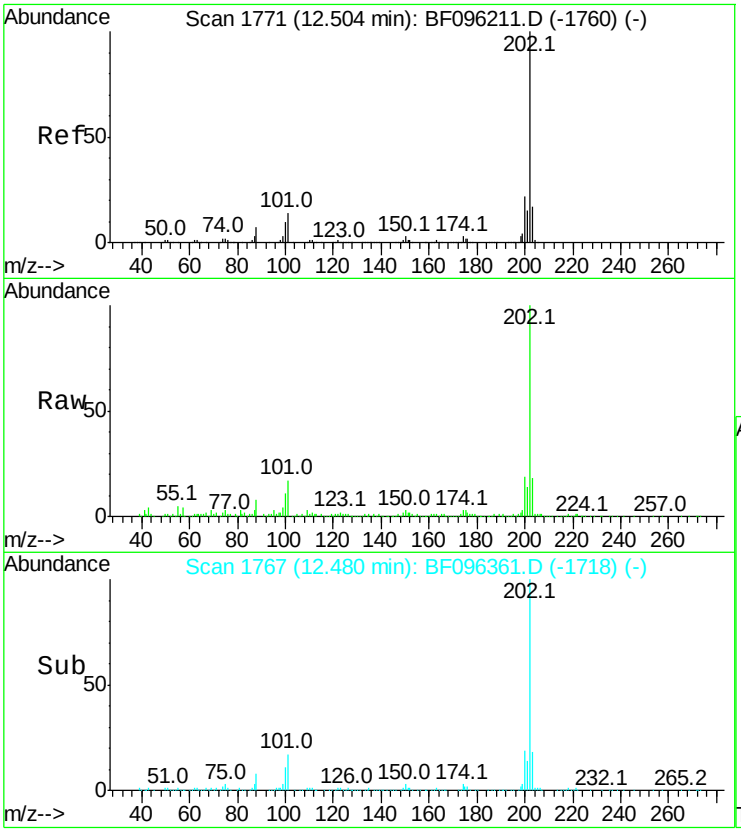


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:188 Resp: 314522

Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.6	10.2	15.2

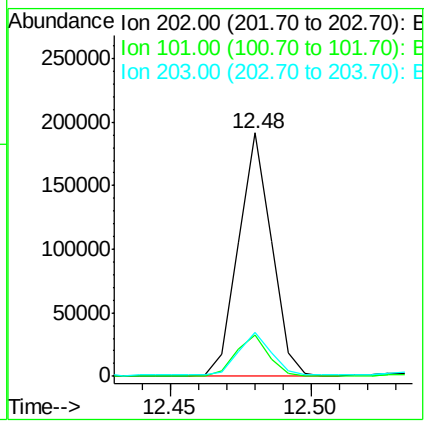




#74
Fluoranthene
Concen: 8.89 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

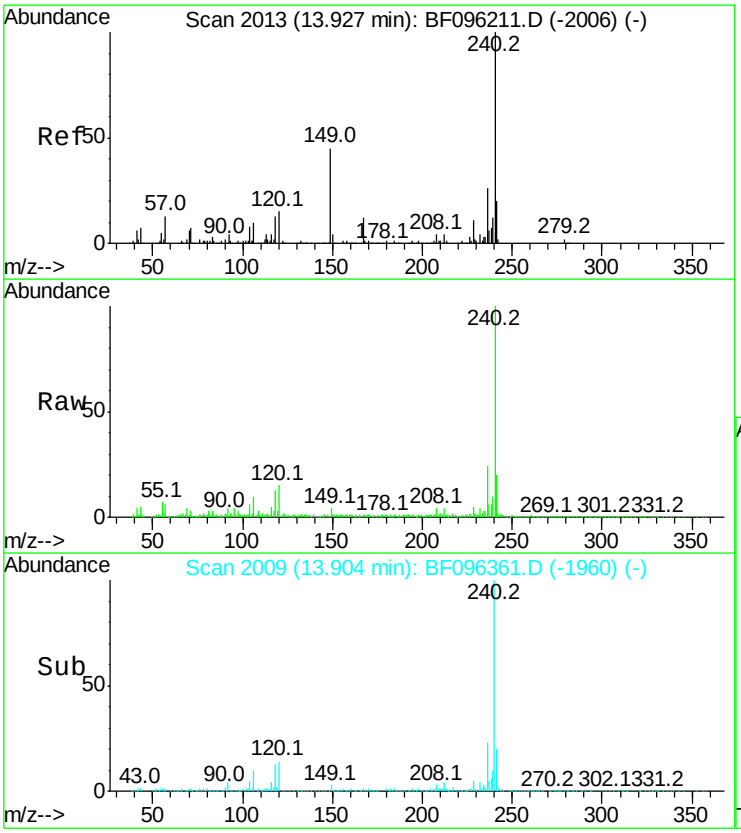
Tgt Ion:202 Resp: 155346

Ion	Ratio	Lower	Upper
202	100		
101	16.9	0.0	33.2
203	17.9	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
B3-4-6

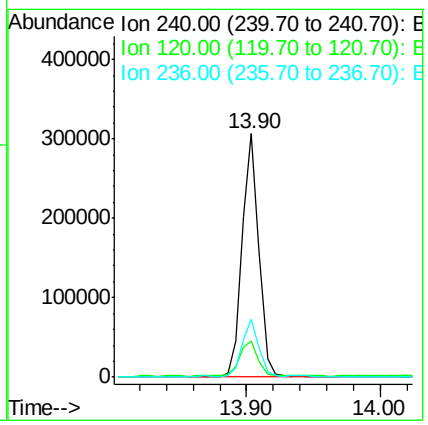
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

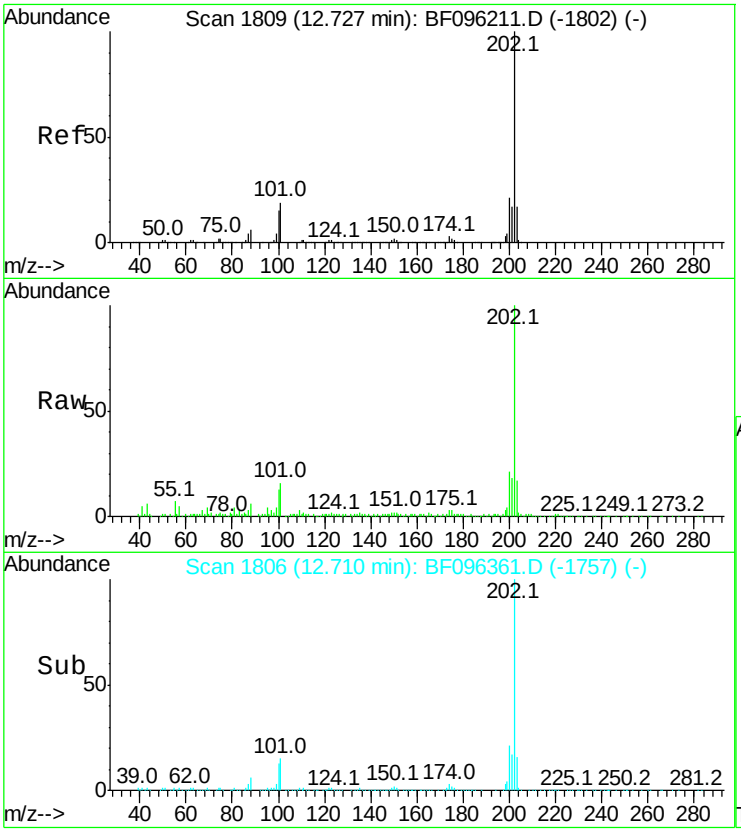


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:240 Resp: 264341

Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	23.7	20.5	30.7

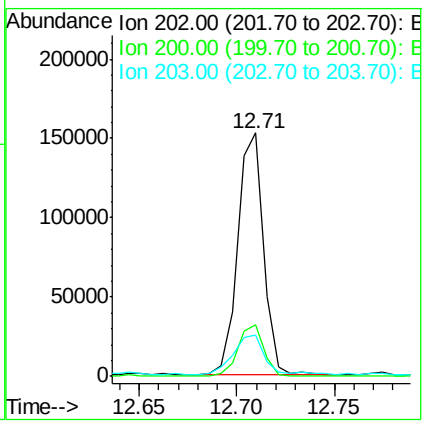




#77
Pyrene
Concen: 6.46 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

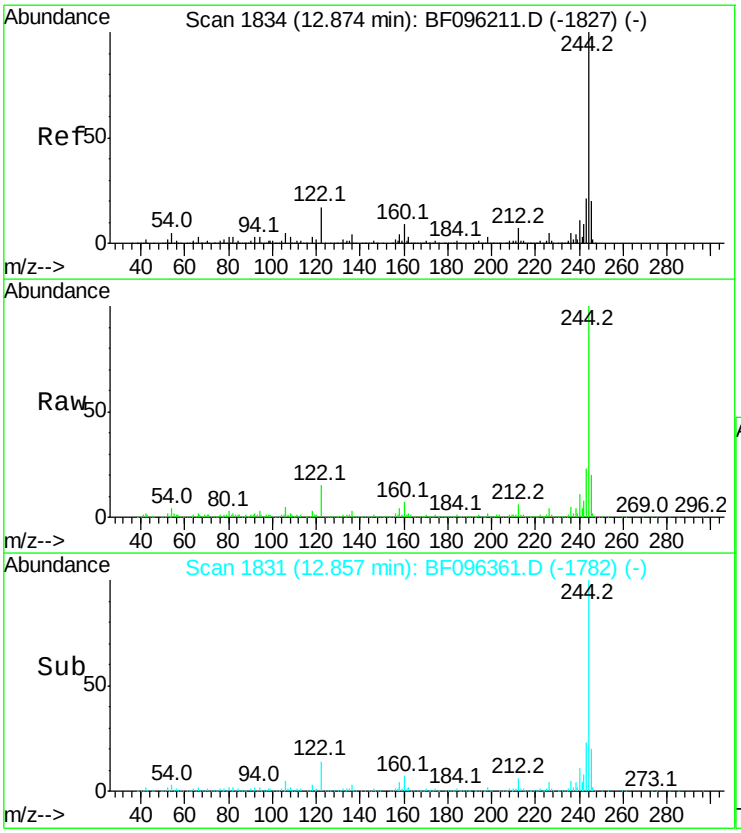
Tgt Ion:202 Resp: 140343

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.2	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
B3-4-6

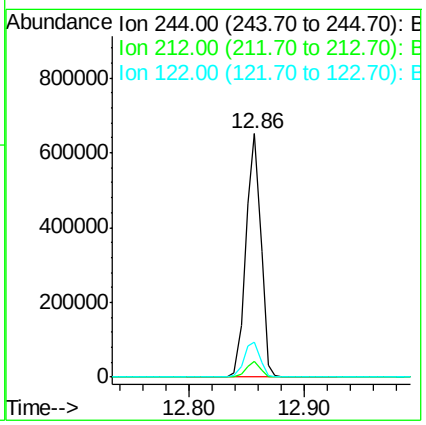
Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

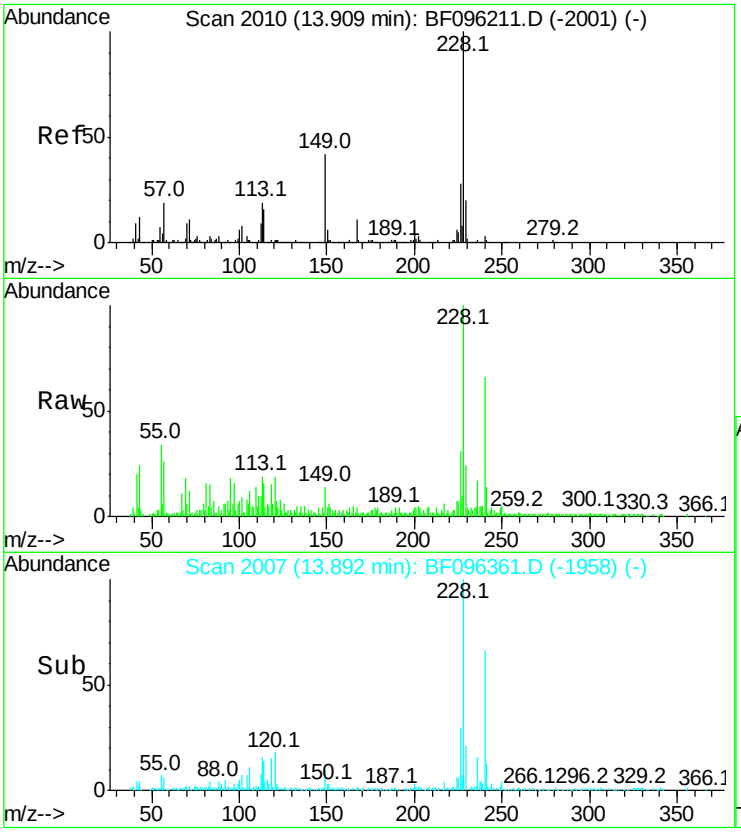


#78
Terphenyl-d14
Concen: 54.81 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:244 Resp: 580597

Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	14.6	10.3	15.5





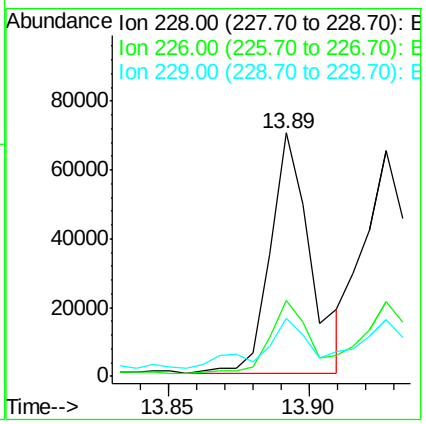
#80
Benzo(a)anthracene
Concen: 4.26 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

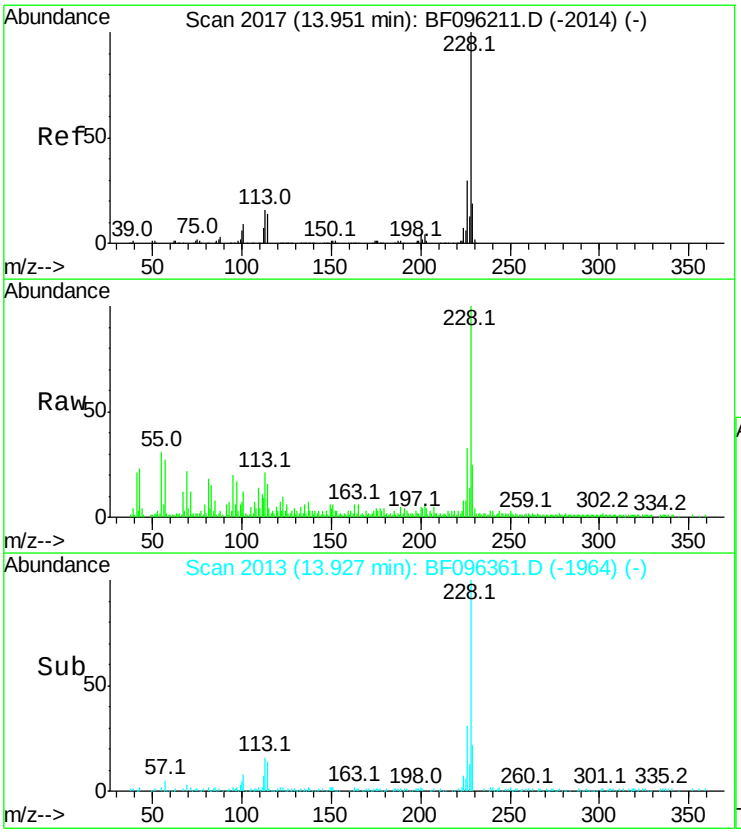
Tgt Ion:228 Resp: 68601

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	23.9	16.3	24.5

Instrument :
BNA_F
ClientSampleId :
B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

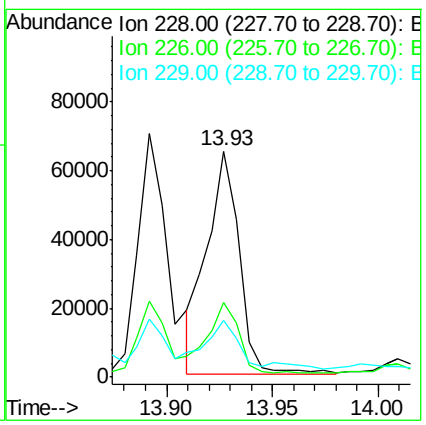


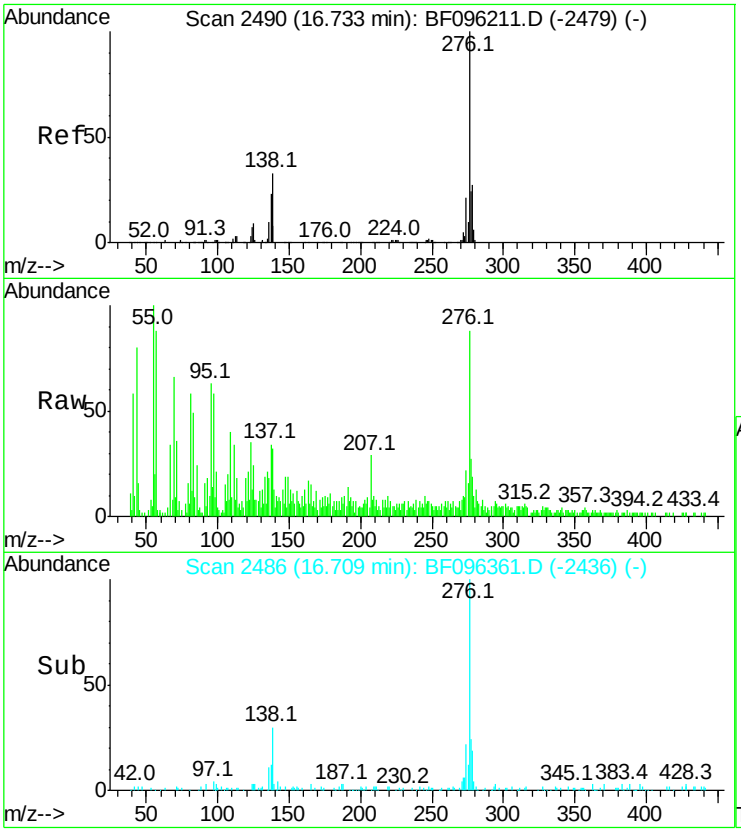


#82
Chrysene
Concen: 4.13 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:228 Resp: 68828

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.9	37.3
229	24.9	15.8	23.6#





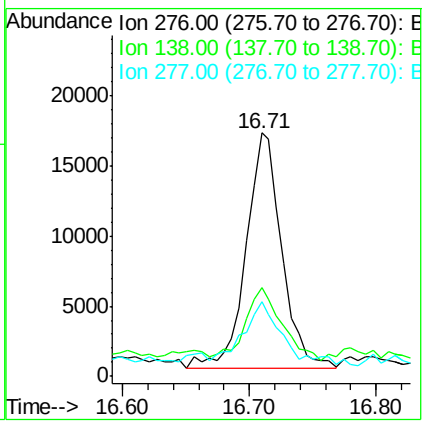
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.39 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

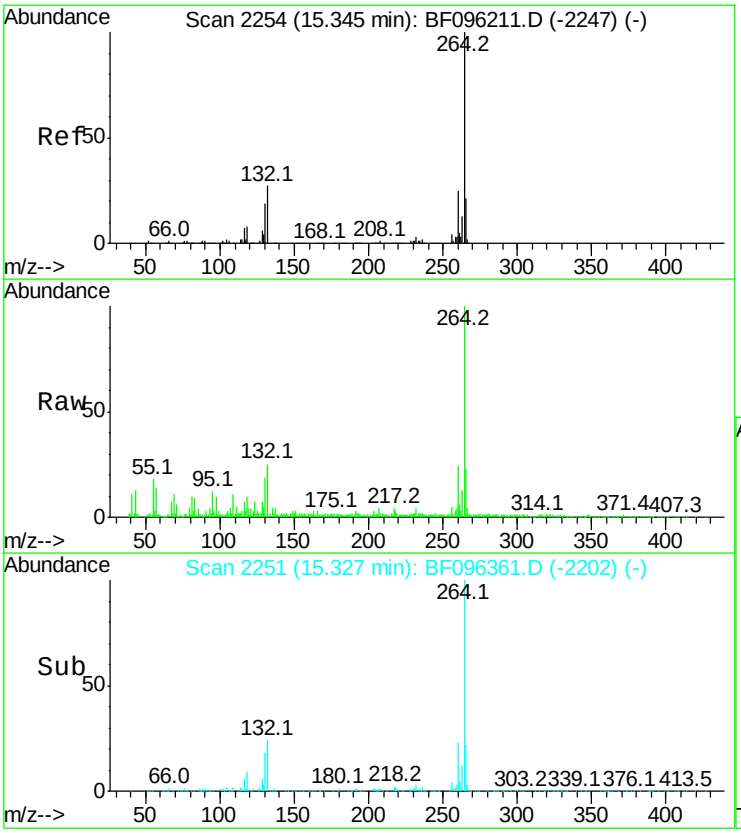
Tgt Ion:276 Resp: 33113

Ion	Ratio	Lower	Upper
276	100		
138	31.3	27.8	41.6
277	31.1	20.2	30.4#

Instrument :
BNA_F
ClientSampleId :
B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

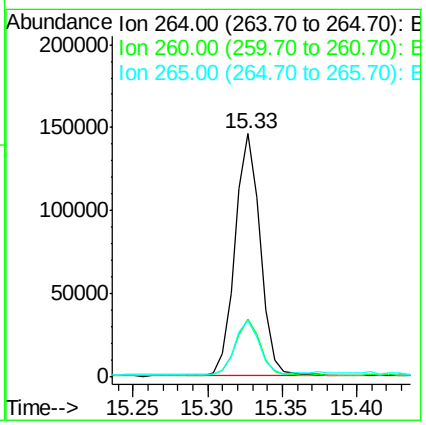


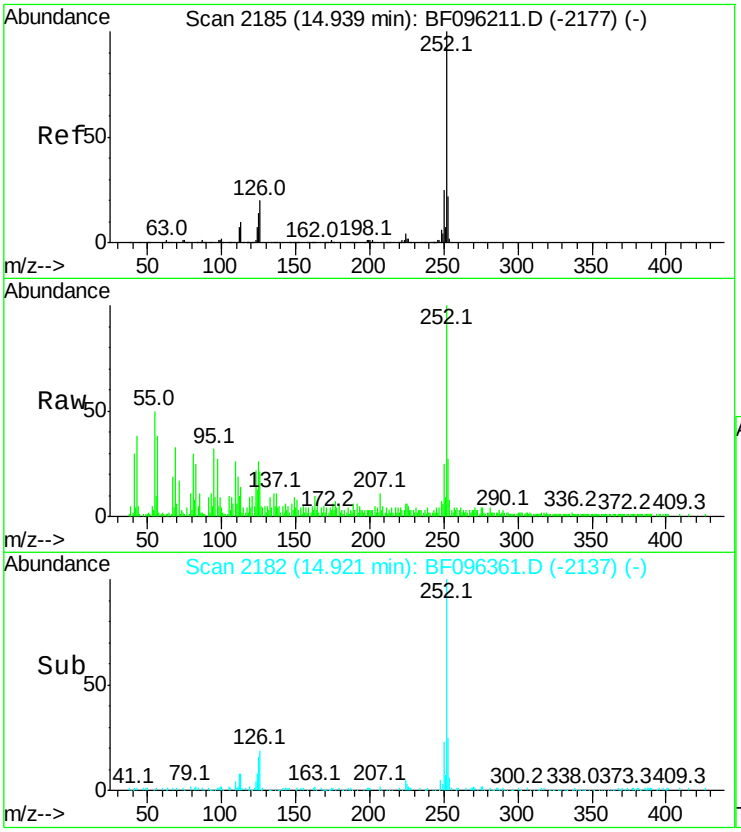


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:264 Resp: 171822

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	23.2	17.2	25.8





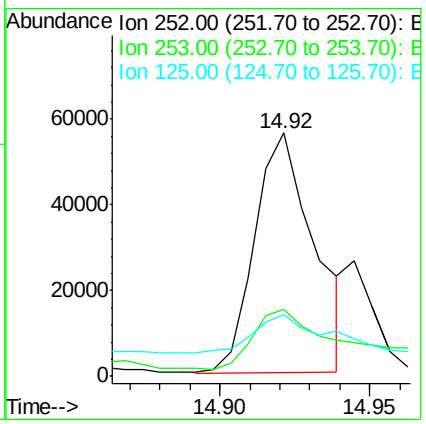
#87
Benzo(b)fluoranthene
Concen: 6.85 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

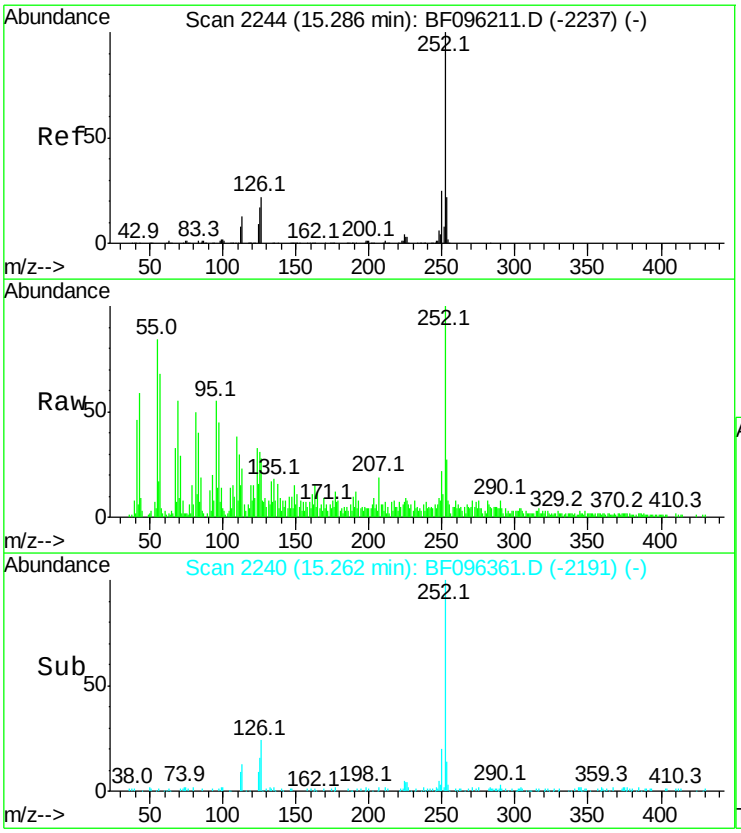
Tgt Ion:252 Resp: 77287

Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.1	27.1#
125	25.6	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM

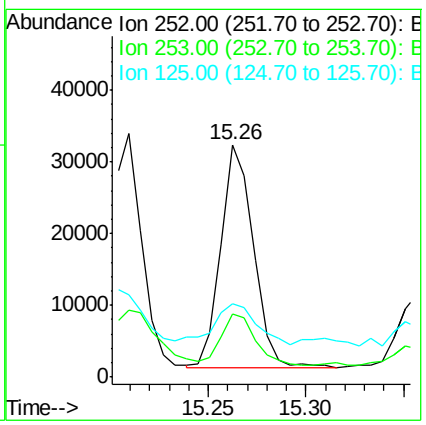


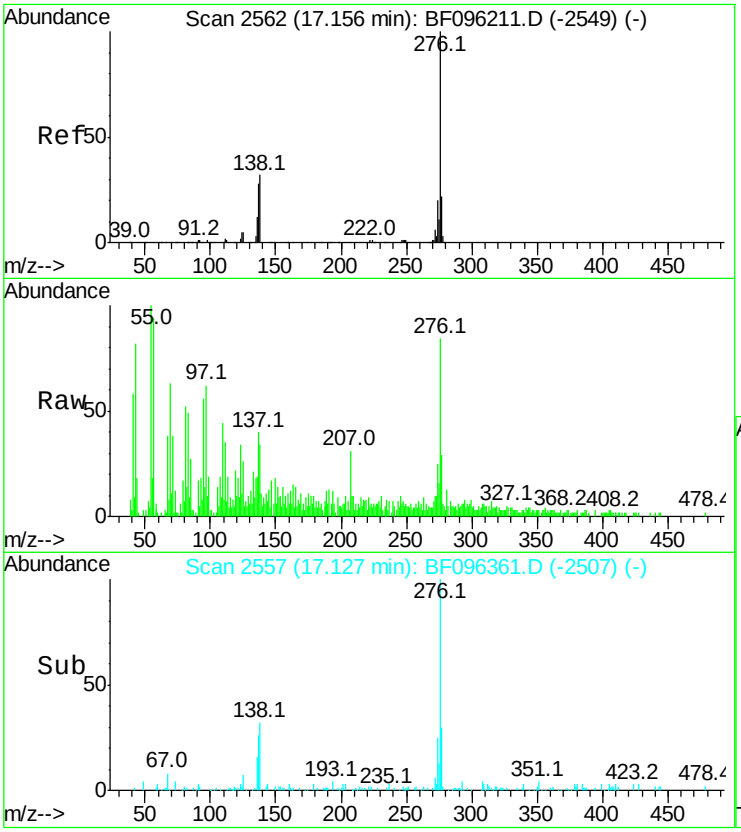


#89
Benzo(a)pyrene
Concen: 3.67 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:252 Resp: 36570

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	31.4	11.0	16.4#

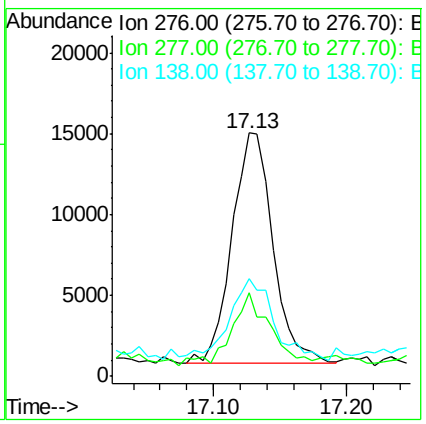




#91
Benzo(g,h,i)perylene
Concen: 3.74 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF096361.D
Acq: 1 Jul 2017 2:52

Tgt Ion:276 Resp: 30308

Ion	Ratio	Lower	Upper
276	100		
277	34.4	18.6	28.0#
138	40.2	25.4	38.0#



Instrument :
BNA_F
ClientSampleId :
B3-4-6

Manual Integrations APPROVED
mohammad
7/3/2017 11:37:49 AM