Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14-01

Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

Quant Time: Jan 11 03:47:07 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 15:20:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	212925	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	877731	20.00	ng		0.00
38) Acenaphthene-d10	9.76	164	375722	20.00	ng		0.00
63) Phenanthrene-d10	11.25	188	583674	20.00	ng		0.00
75) Chrysene-d12	13.87	240	321654	20.00	ng		0.00
86) Perylene-d12	15.29	264	349647	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	4758	0.32	ng		0.00
7) Phenol-d6	6.35	99	5578	0.31	ng		0.00
23) Nitrobenzene-d5	7.53	82	884	0.06	ng		0.24
41) 2,4,6-Tribromophenol	10.55	330	687	0.21	ng		0.00
44) 2-Fluorobiphenyl	9.08	172	6804	0.28	ng		-0.01
78) Terphenyl-d14	12.82	244	5752	0.37	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.03	128	1217718	27.765	ng		100
37) 2-Methylnaphthalene	8.72	142	290503	10.061	ng		99
51) Acenaphthene	9.79	154	175633	7.080	ng		97
57) Fluorene	10.30	166	149704	6.361	ng		100
70) Phenanthrene	11.27	178	710411	20.837	ng		99
71) Anthracene	11.32	178	219331	6.343	ng		97
74) Fluoranthene	12.45	202	312863	9.327	ng		99
77) Pyrene	12.68	202	422044	14.844	ng		98
80) Benzo(a)anthracene	13.86	228	114234m	5.566	ng		
82) Chrysene	13.90	228	95300	4.453	ng		98
85) Indeno(1,2,3-cd)pyrene	16.66	276	55243	3.547	ng		99
87) Benzo(b)fluoranthene	14.89	252	97550m	4.279	ng		
89) Benzo(a)pyrene	15.23	252	106784m	5.205	ng		
91) Benzo(g,h,i)perylene	17.07	276	67100	4.069	ng	#	93

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

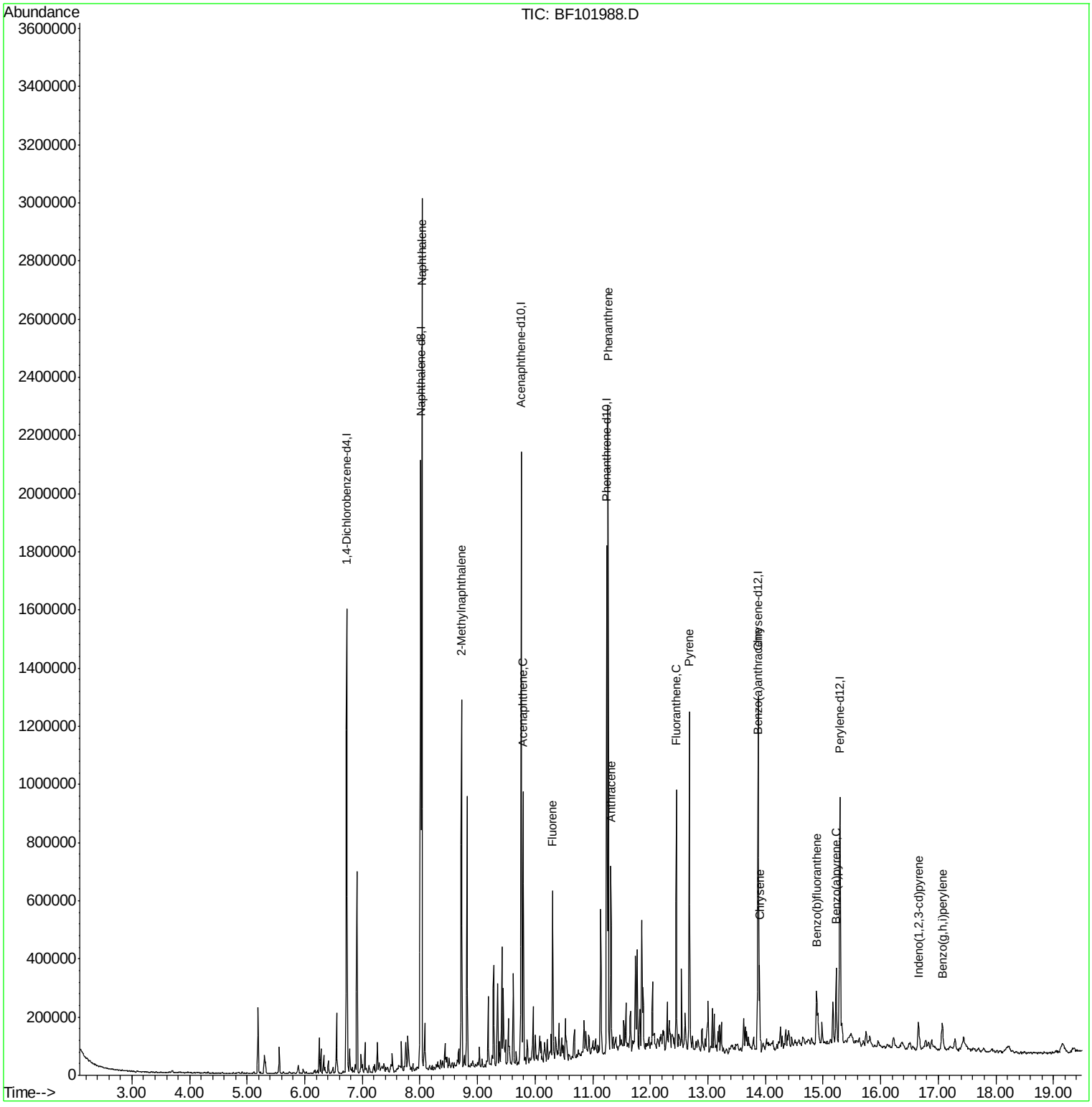
Quantitation Report (LSC Reviewed)

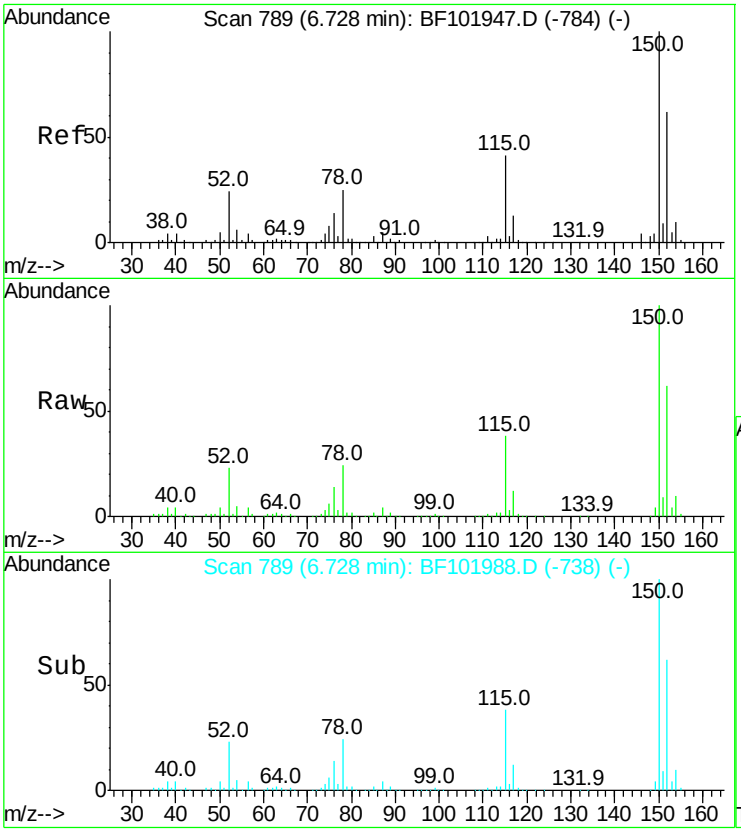
Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101988.D
Acq On : 10 Jan 2018 19:30
Operator : SJ/JU
Sample : J1076-05 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 11 03:47:07 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 15:20:36 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

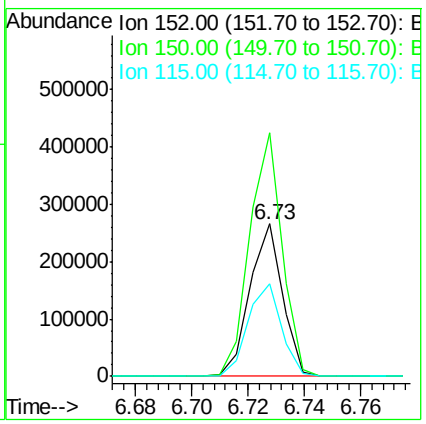




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

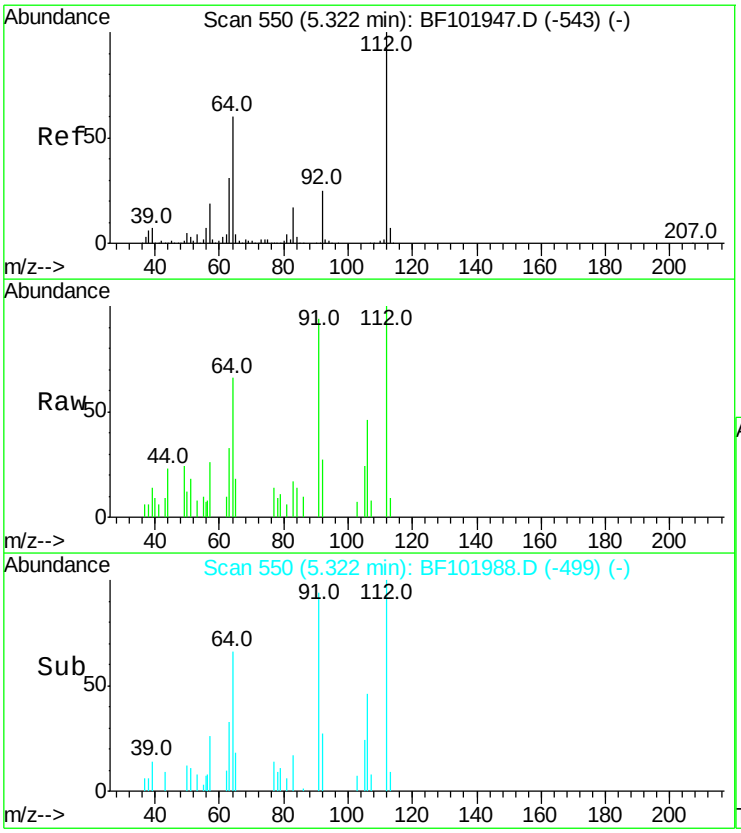
Tgt Ion:152 Resp: 212925

Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	60.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
WC-14-01

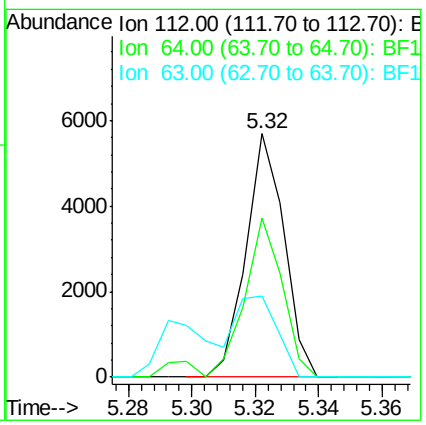
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

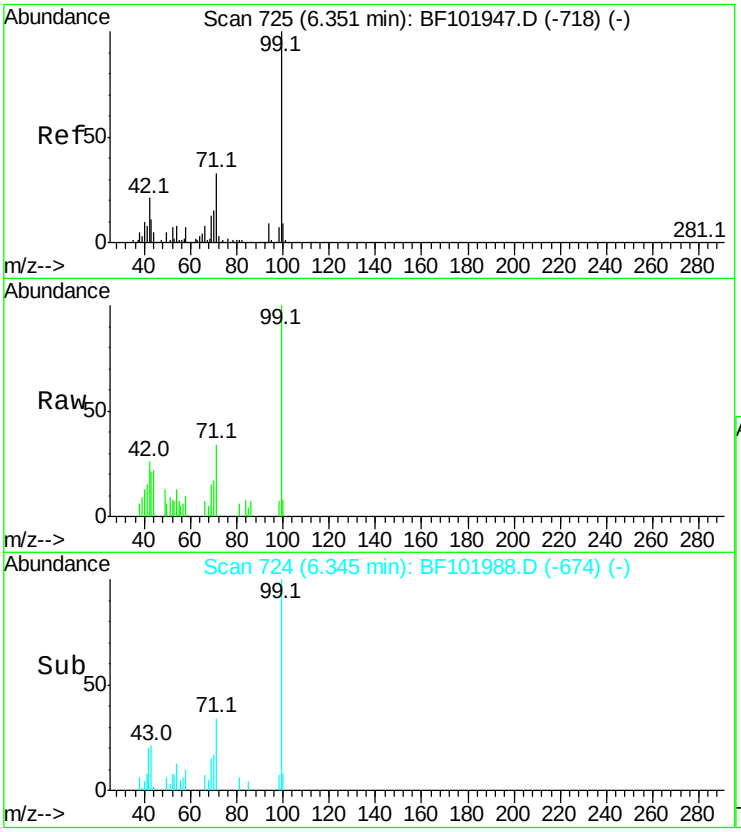


#5
2-Fluorophenol
Concen: 0.316 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:112 Resp: 4758

Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	33.3	23.7	35.5

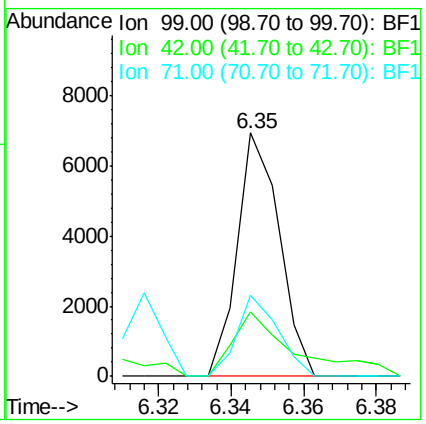




#7
Phenol-d6
Concen: 0.310 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

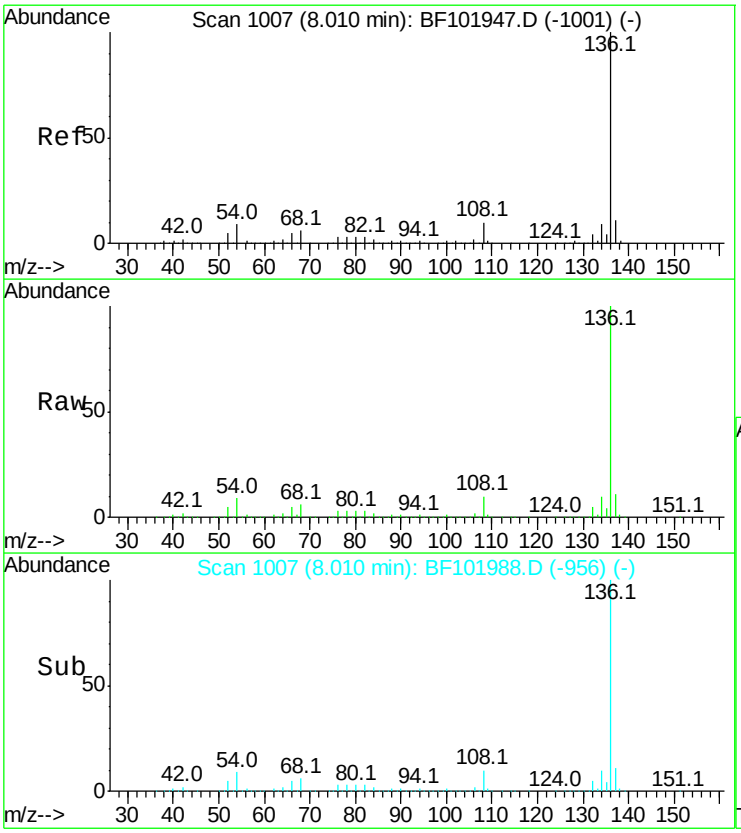
Tgt Ion: 99 Resp: 5578

Ion	Ratio	Lower	Upper
99	100		
42	26.3	14.5	21.7#
71	33.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
WC-14-01

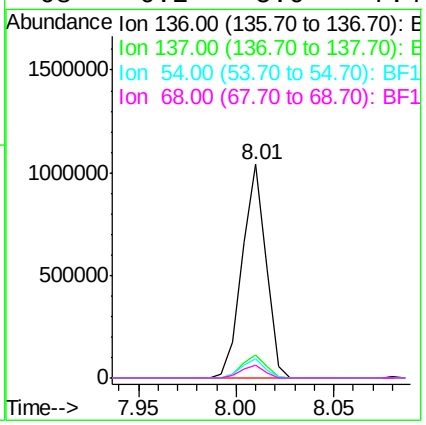
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

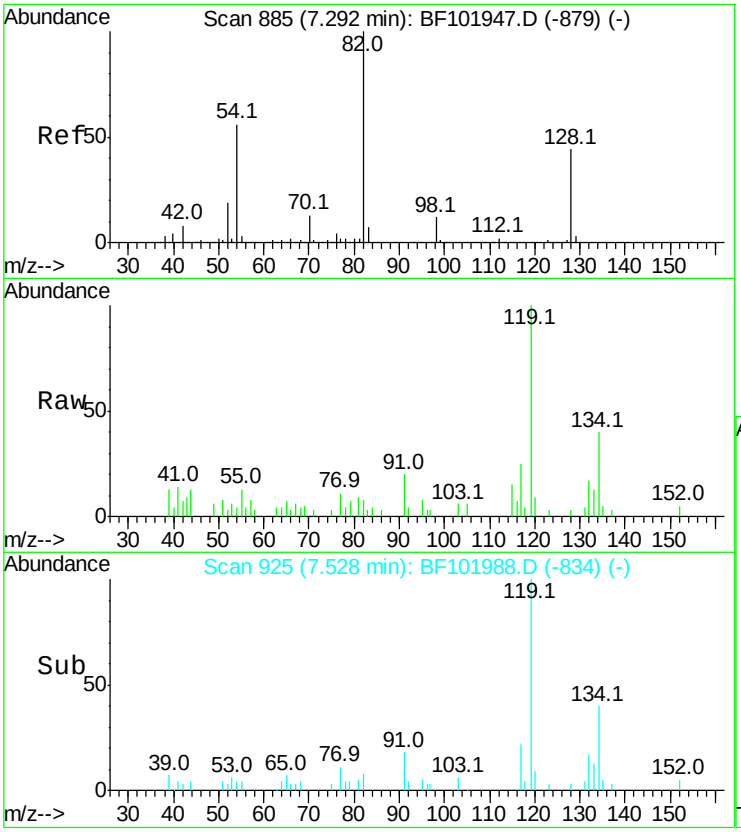


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:136 Resp: 877731

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	6.6	9.8
68	6.2	5.0	7.4

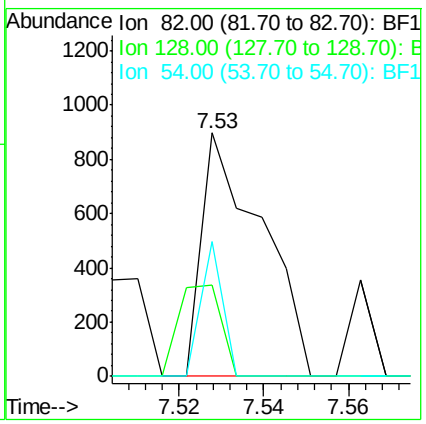




#23
Nitrobenzene-d5
Concen: 0.059 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.24 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

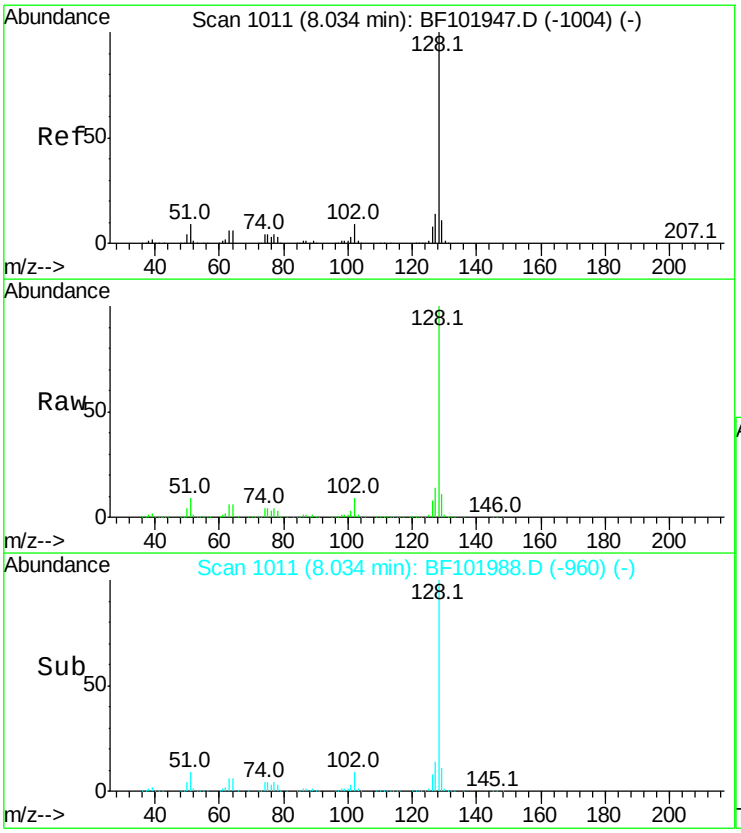
Tgt Ion: 82 Resp: 884

Ion	Ratio	Lower	Upper
82	100		
128	37.3	36.1	54.1
54	55.1	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
WC-14-01

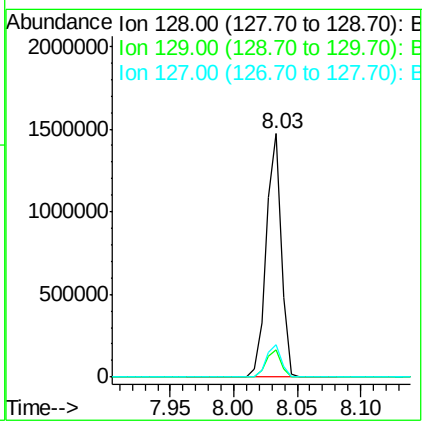
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

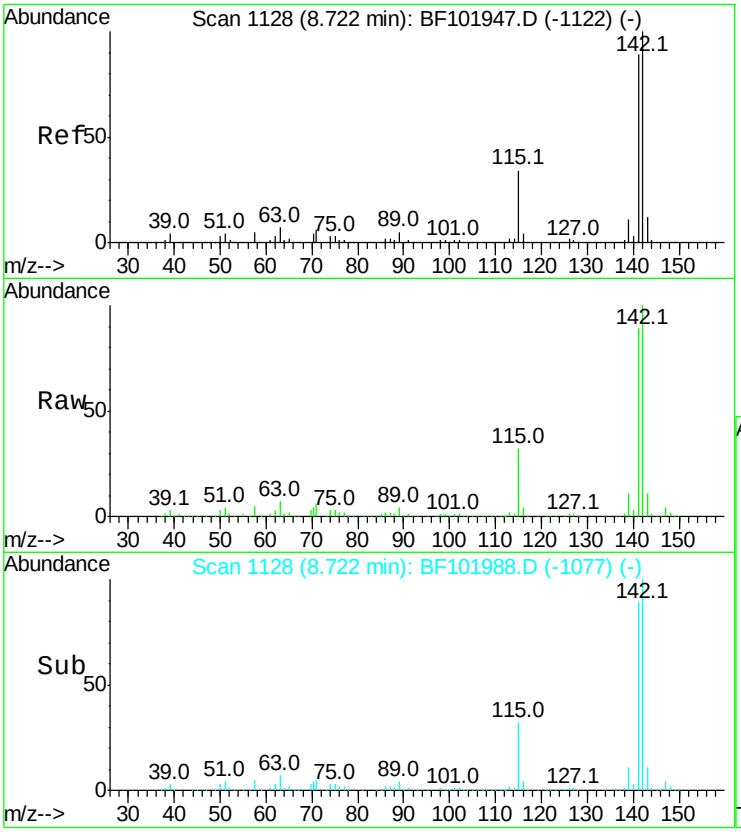


#31
Naphthalene
Concen: 27.765 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:128 Resp: 1217718

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.9	16.3

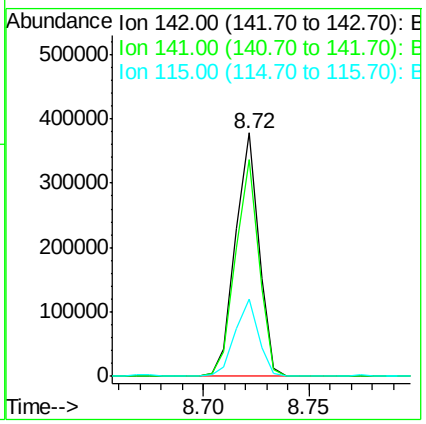




#37
2-Methylnaphthalene
Concen: 10.061 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

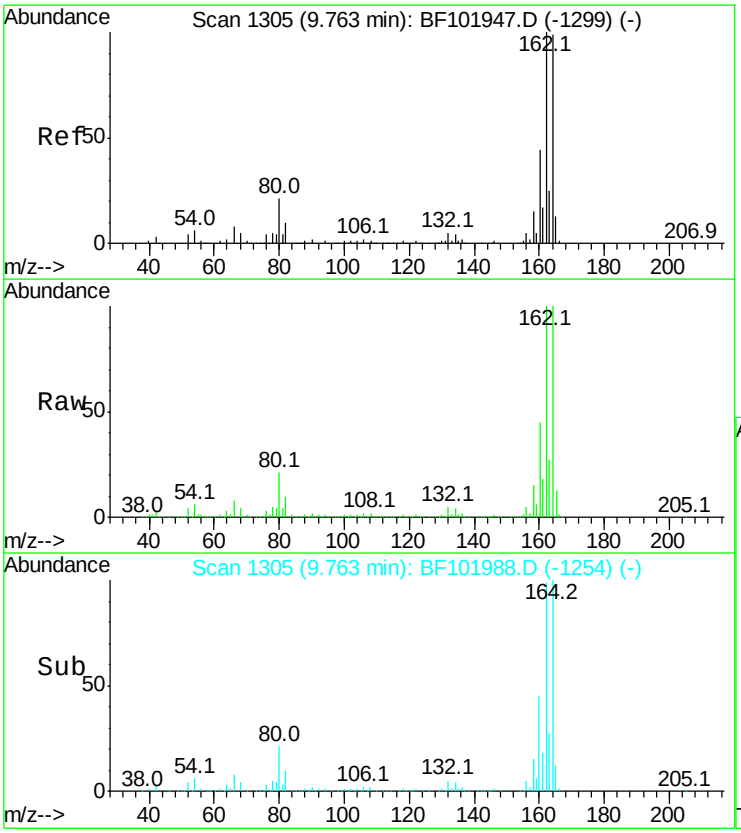
Tgt Ion:142 Resp: 290503

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	31.9	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
WC-14-01

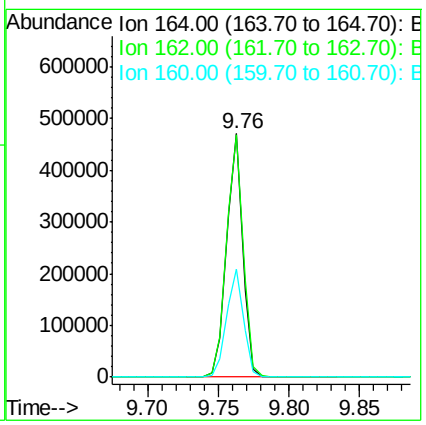
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

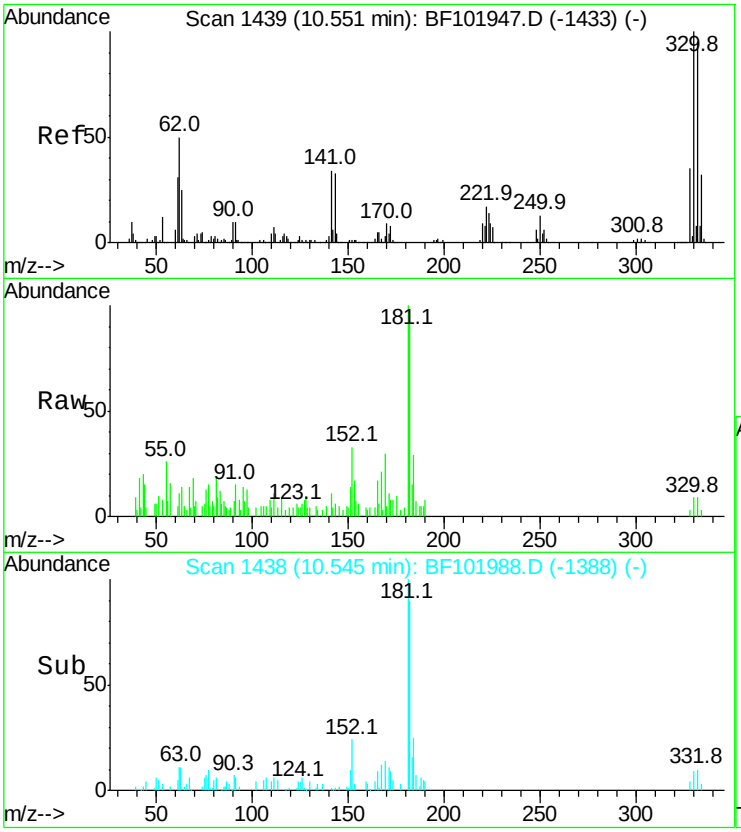


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:164 Resp: 375722

Ion	Ratio	Lower	Upper
164	100		
162	99.6	86.1	129.1
160	44.6	38.3	57.5





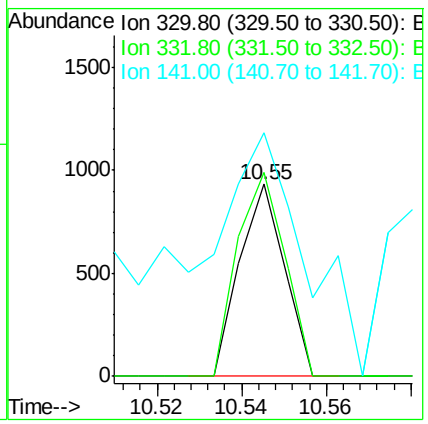
#41
2,4,6-Tribromophenol
Concen: 0.210 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

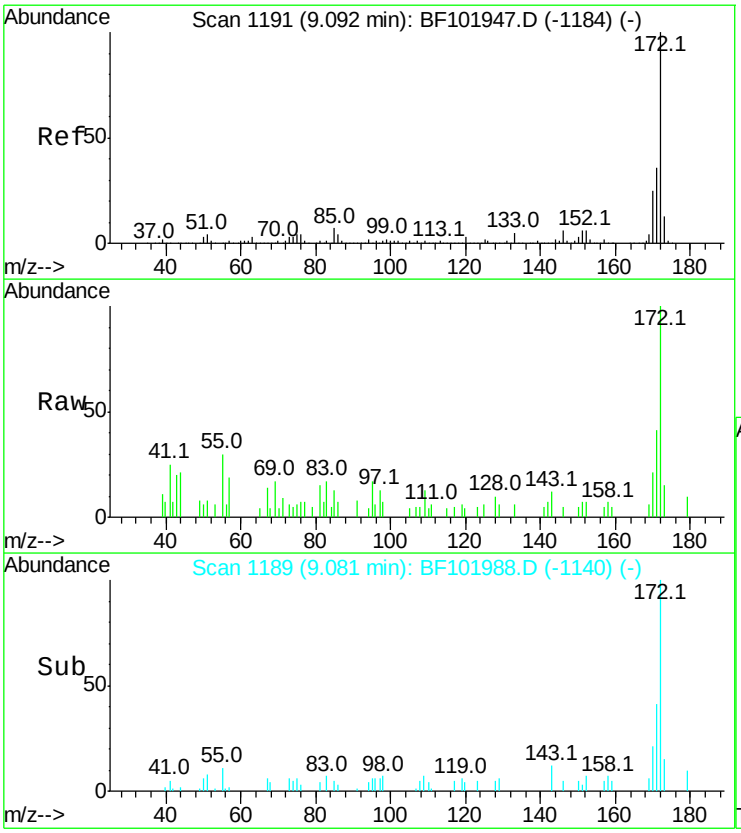
Tgt Ion:330 Resp: 687

Ion	Ratio	Lower	Upper
330	100		
332	112.7	77.0	115.6
141	230.9	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

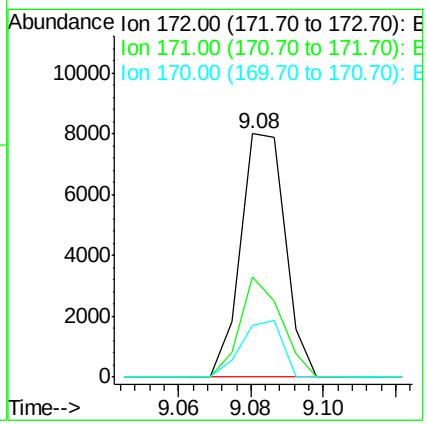


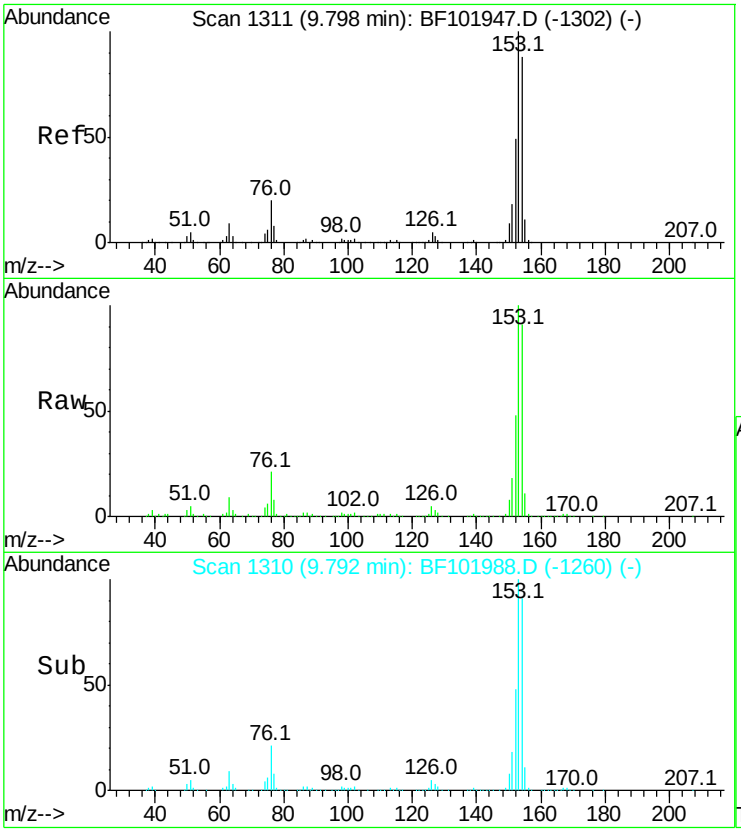


#44
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:172 Resp: 6804

Ion	Ratio	Lower	Upper
172	100		
171	41.4	29.7	44.5
170	21.1	19.6	29.4

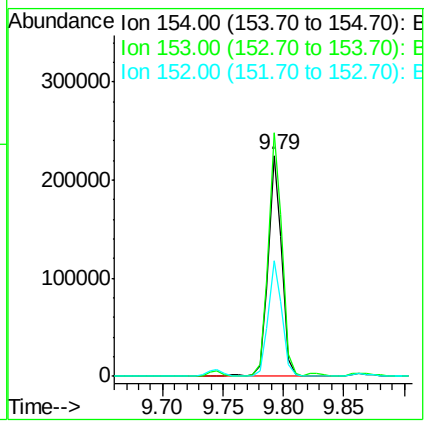




#51
Acenaphthene
Concen: 7.080 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

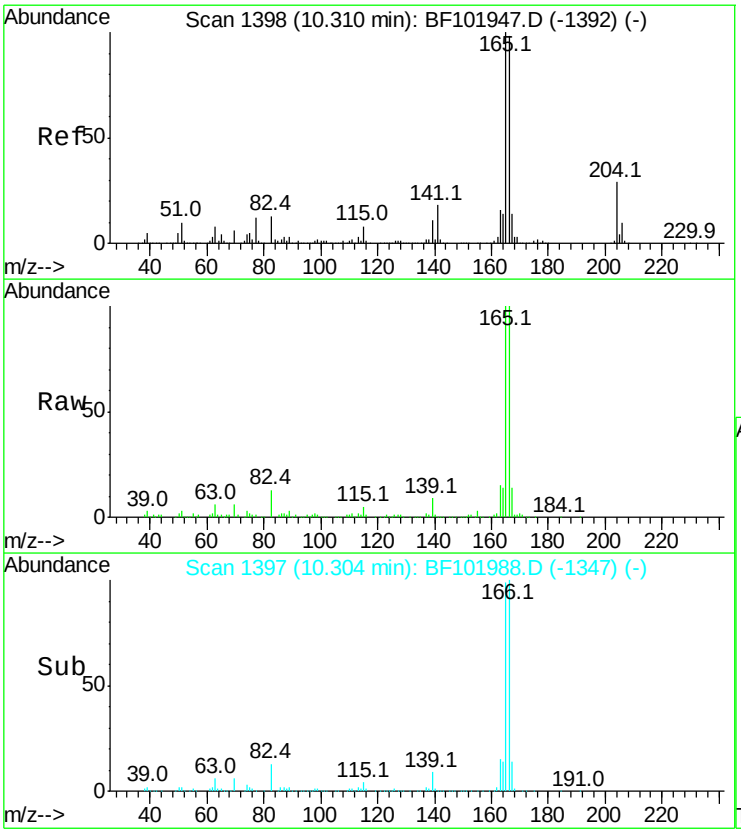
Tgt Ion:154 Resp: 175633

Ion	Ratio	Lower	Upper
154	100		
153	110.3	91.2	136.8
152	52.5	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
WC-14-01

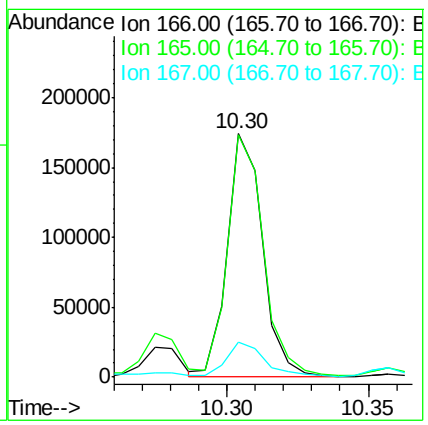
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

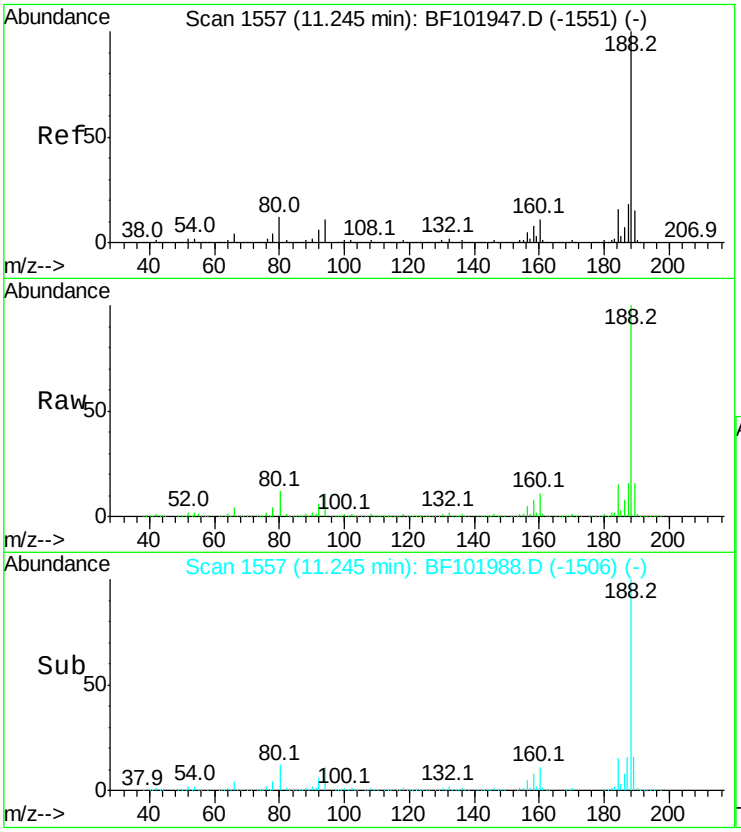


#57
Fluorene
Concen: 6.361 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:166 Resp: 149704

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	14.2	10.6	16.0





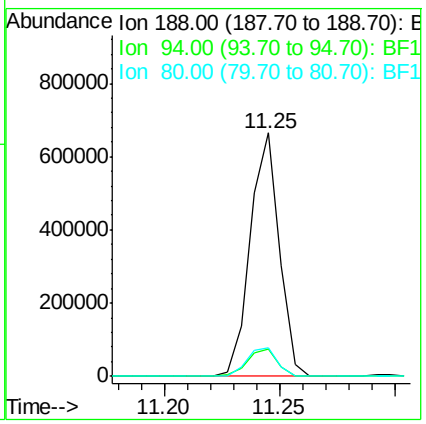
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

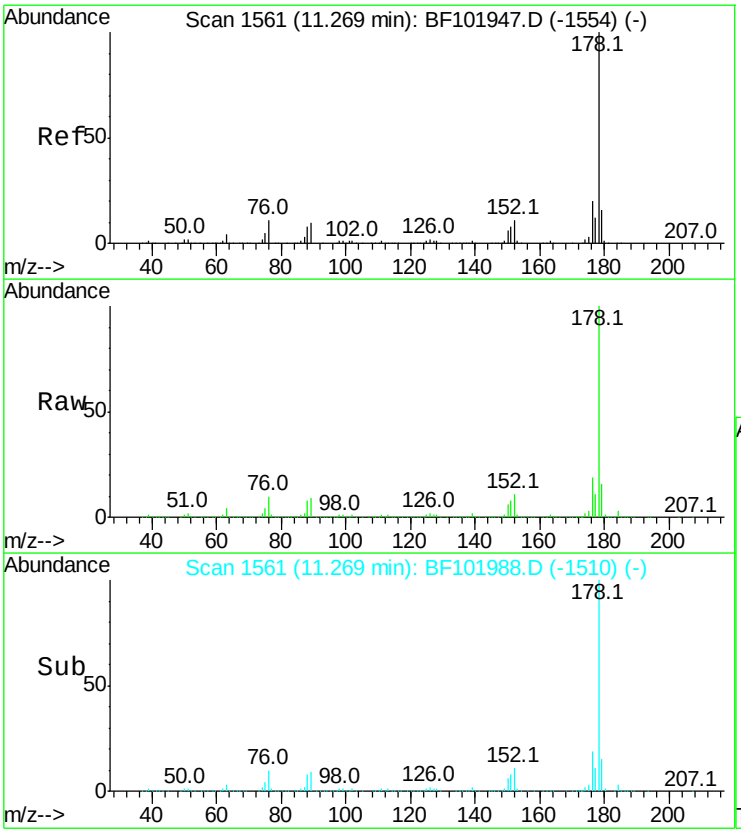
Tgt Ion:188 Resp: 583674

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.0	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

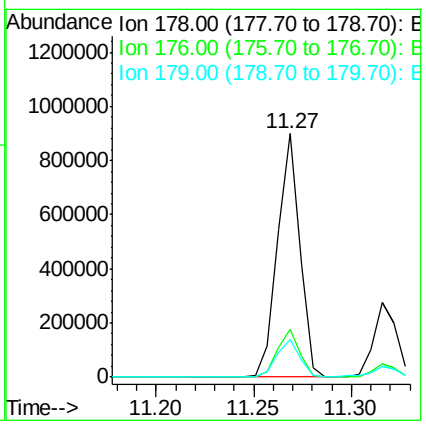


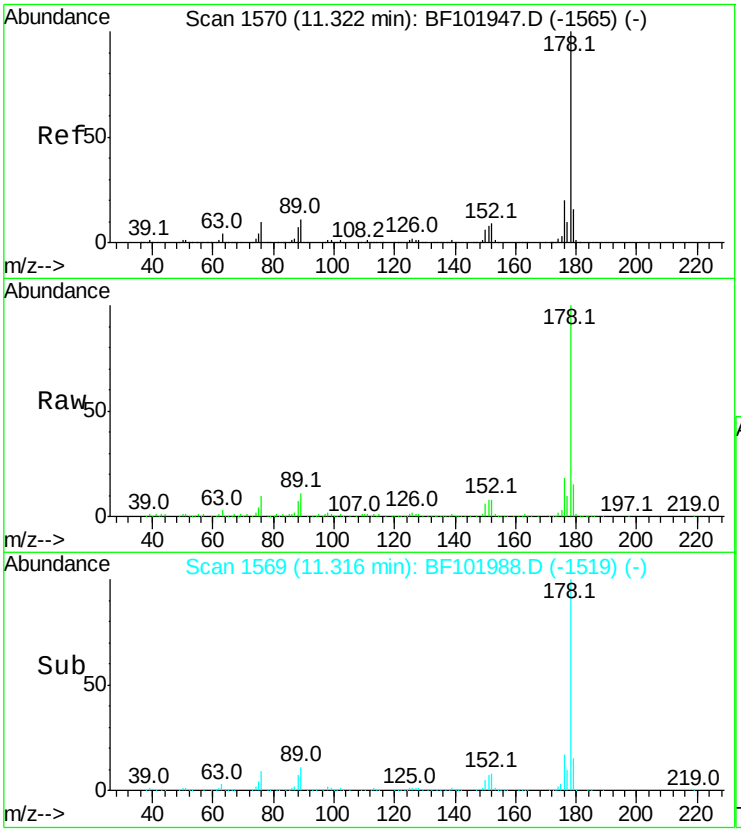


#70
Phenanthrene
Concen: 20.837 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:178 Resp: 710411

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.6	13.0	19.6

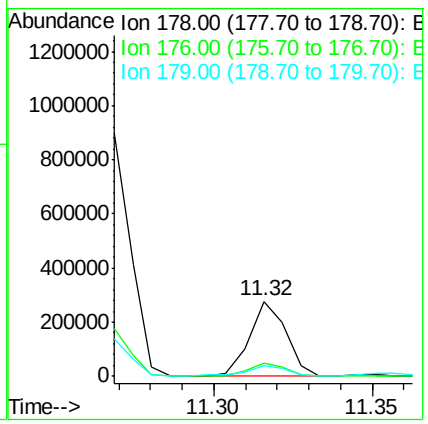




#71
Anthracene
Concen: 6.343 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

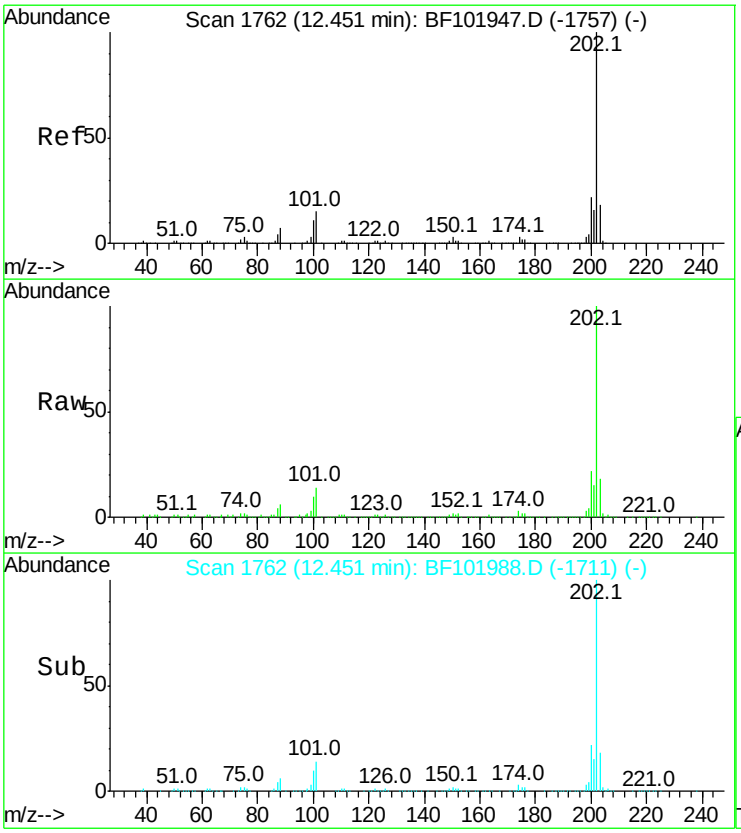
Tgt Ion:178 Resp: 219331

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	14.9	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
WC-14-01

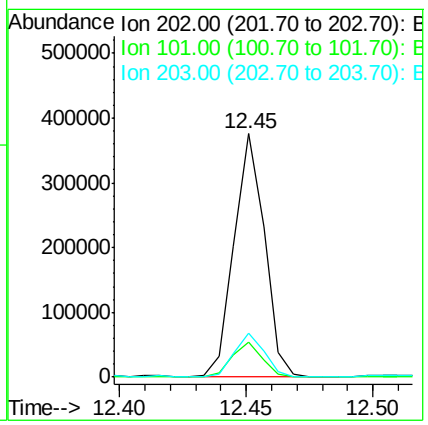
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

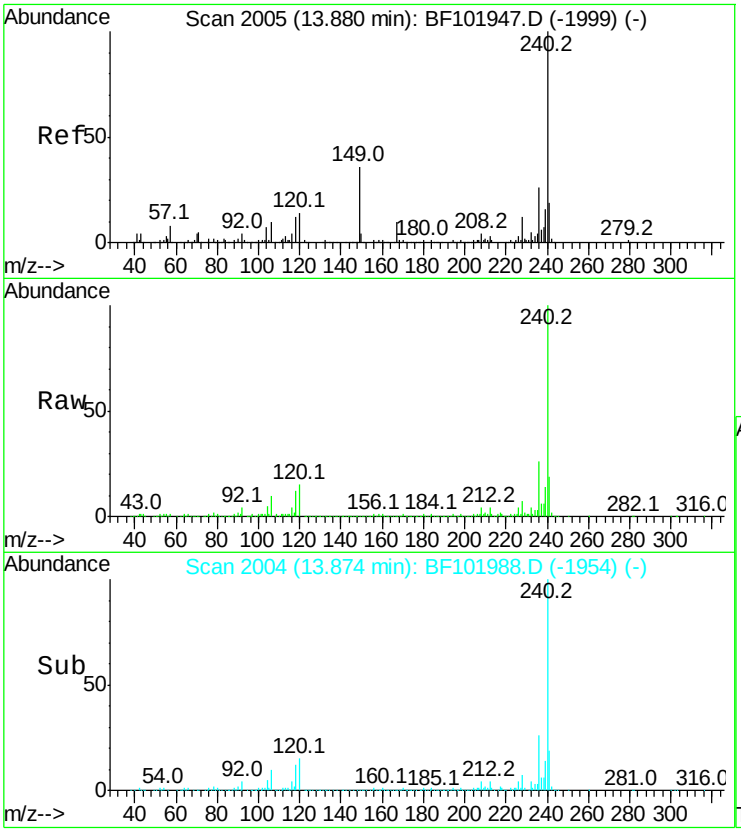


#74
Fluoranthene
Concen: 9.327 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:202 Resp: 312863

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.8	0.0	38.1

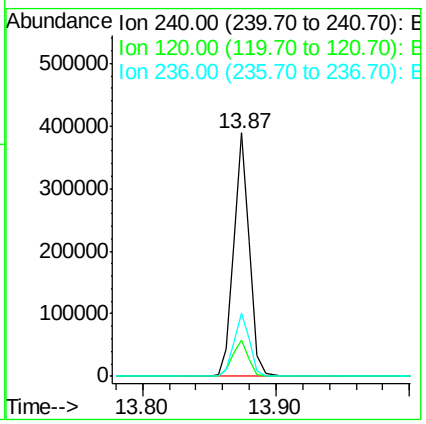




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

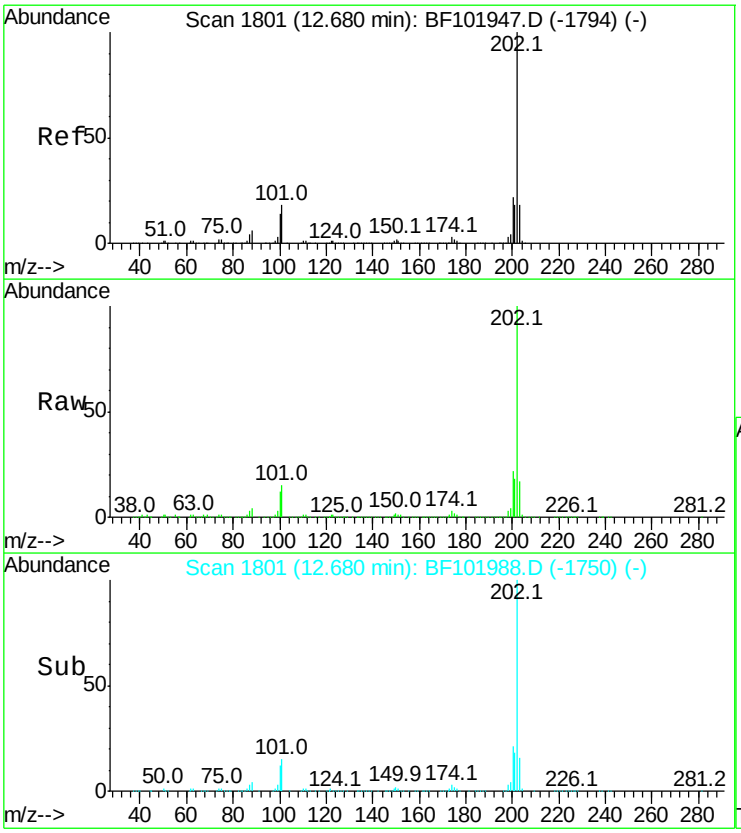
Tgt Ion:240 Resp: 321654

Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.9	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
WC-14-01

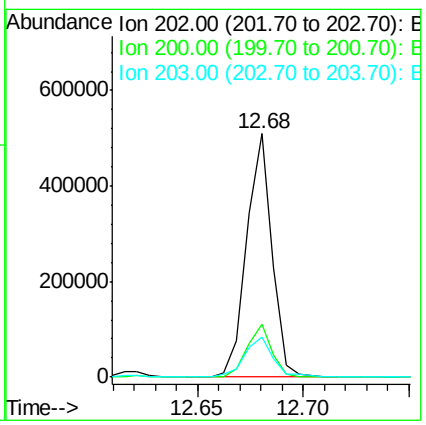
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

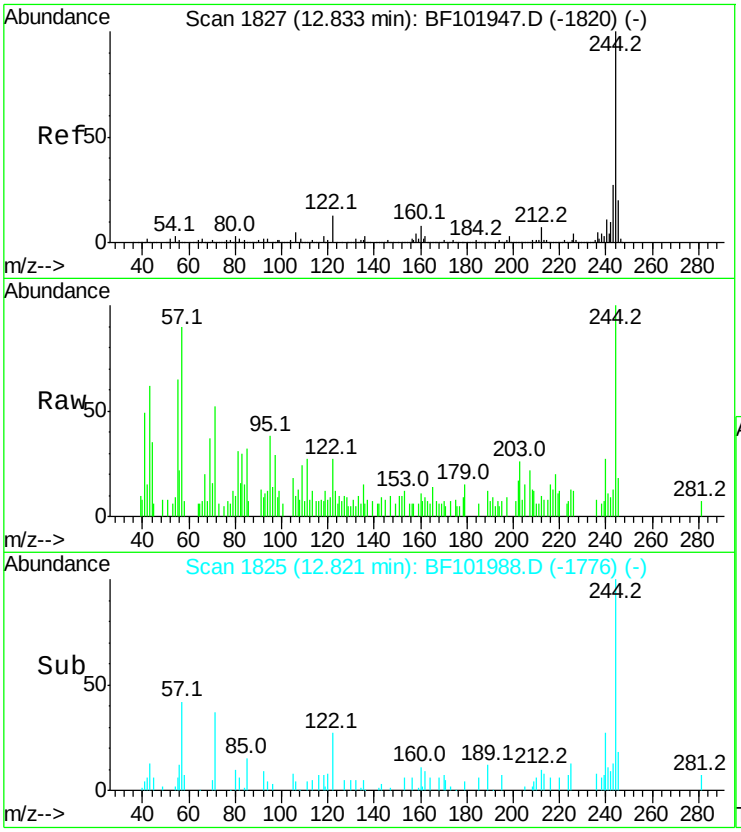


#77
Pyrene
Concen: 14.844 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:202 Resp: 422044

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	16.7	14.3	21.5

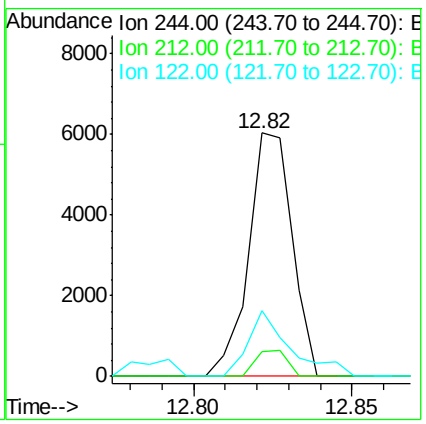




#78
Terphenyl-d14
Concen: 0.371 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

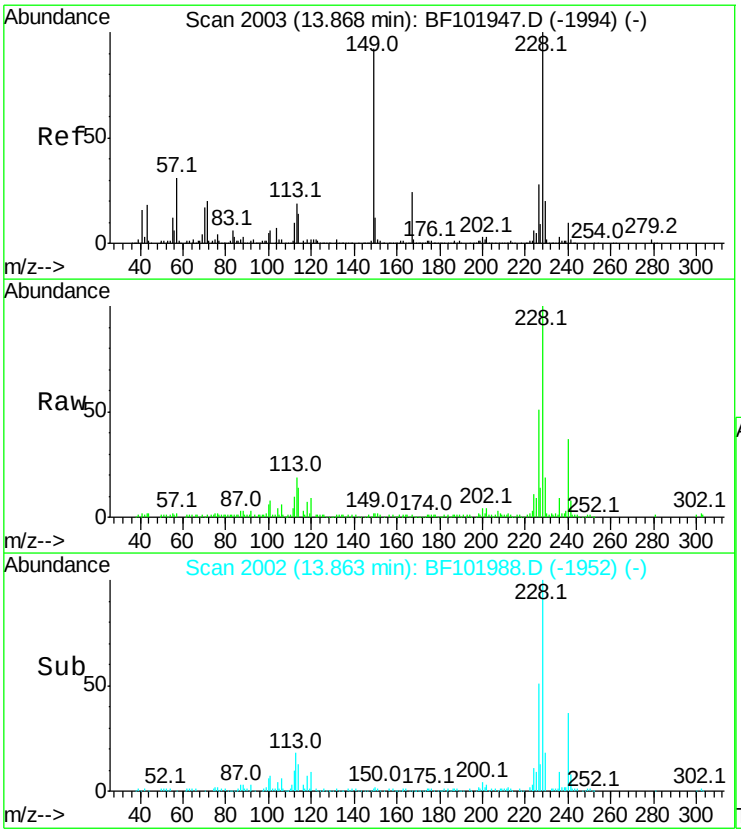
Tgt Ion:244 Resp: 5752

Ion	Ratio	Lower	Upper
244	100		
212	10.0	5.4	8.0#
122	27.1	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
WC-14-01

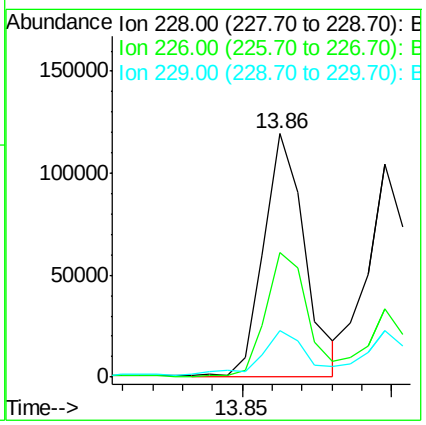
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

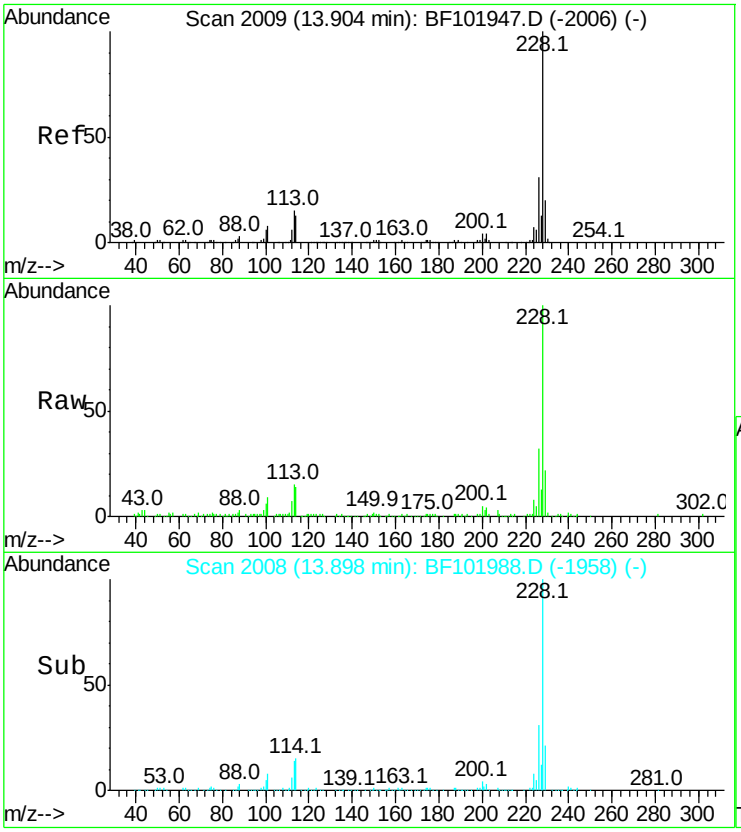


#80
Benzo(a)anthracene
Concen: 5.566 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:228 Resp: 114234

Ion	Ratio	Lower	Upper
228	100		
226	51.0	22.6	33.8#
229	19.1	15.8	23.6

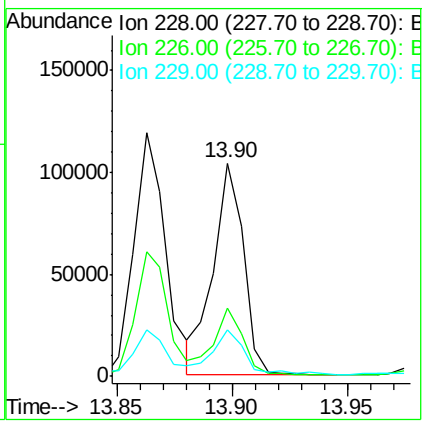




#82
Chrysene
Concen: 4.453 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

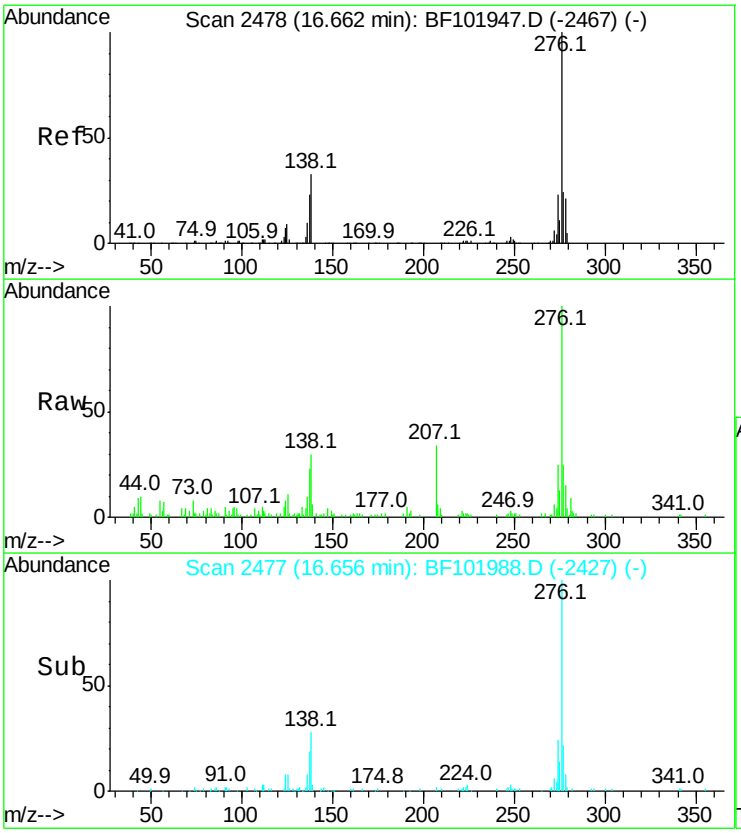
Tgt Ion:228 Resp: 95300

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	21.9	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
WC-14-01

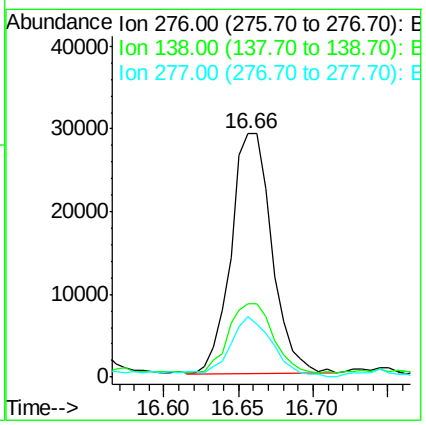
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

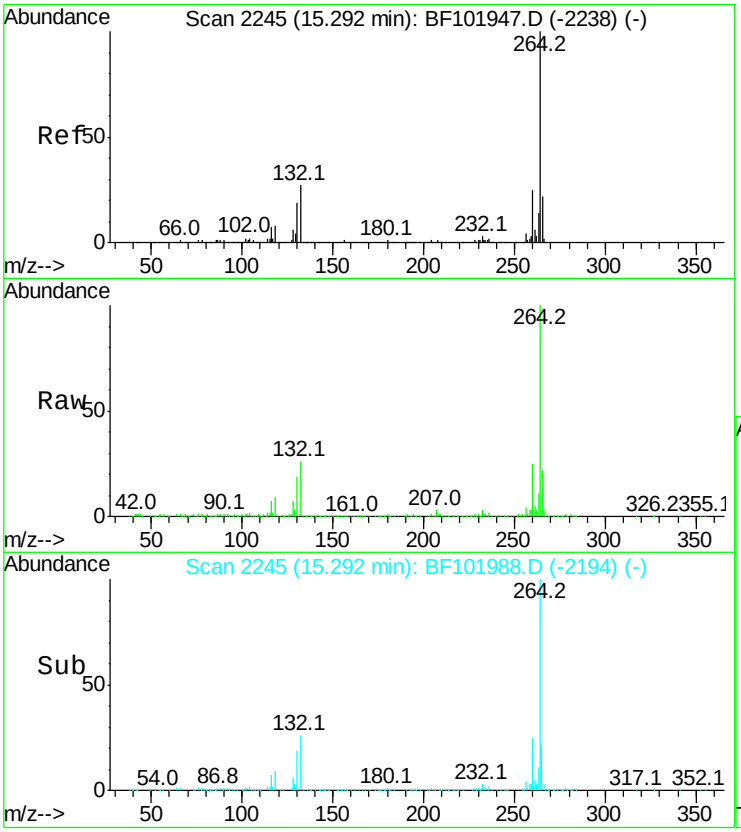


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.547 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:276 Resp: 55243

Ion	Ratio	Lower	Upper
276	100		
138	31.6	25.0	37.6
277	26.0	20.1	30.1

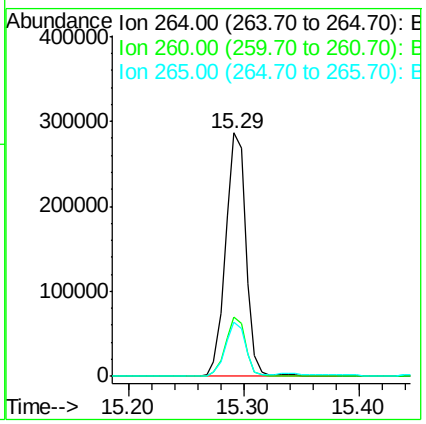




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

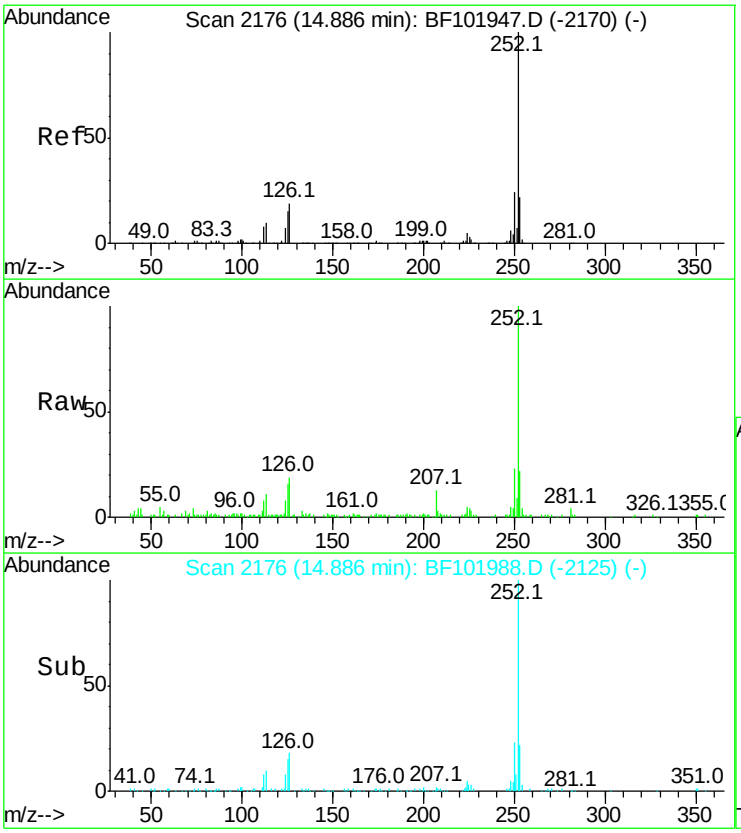
Tgt Ion:264 Resp: 349647

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
WC-14-01

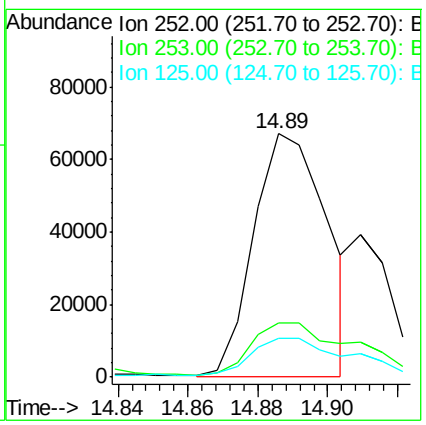
Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM

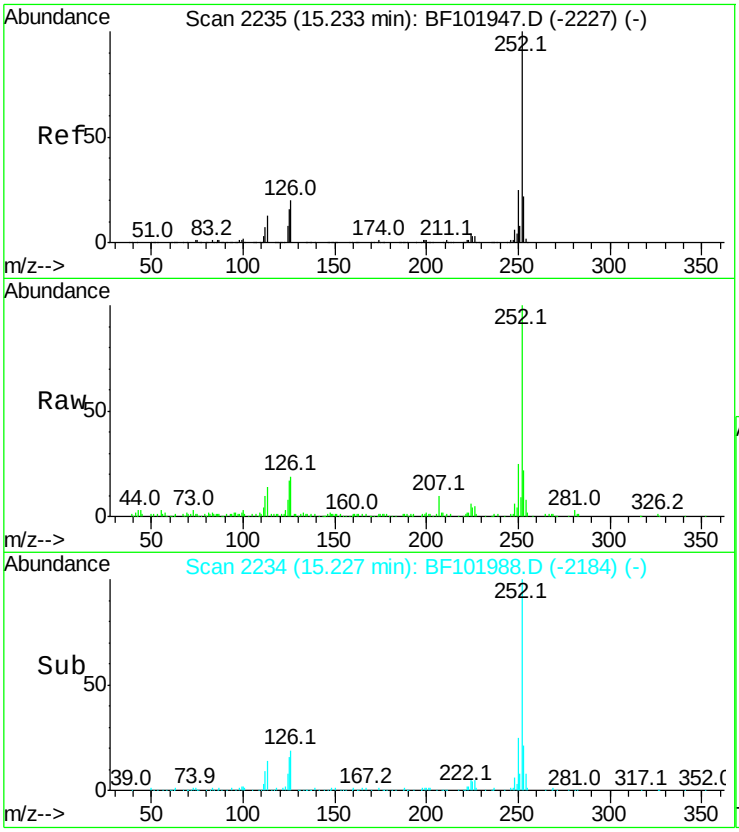


#87
Benzo(b)fluoranthene
Concen: 4.279 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:252 Resp: 97550

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	15.9	9.0	13.6#





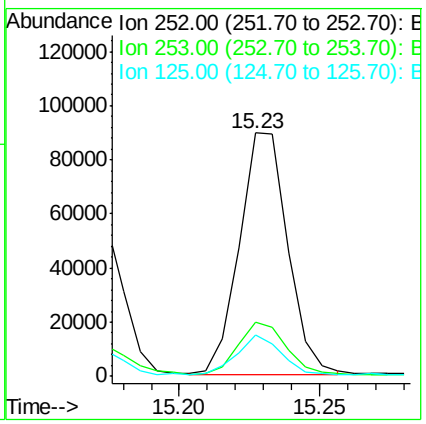
#89
Benzo(a)pyrene
Concen: 5.205 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

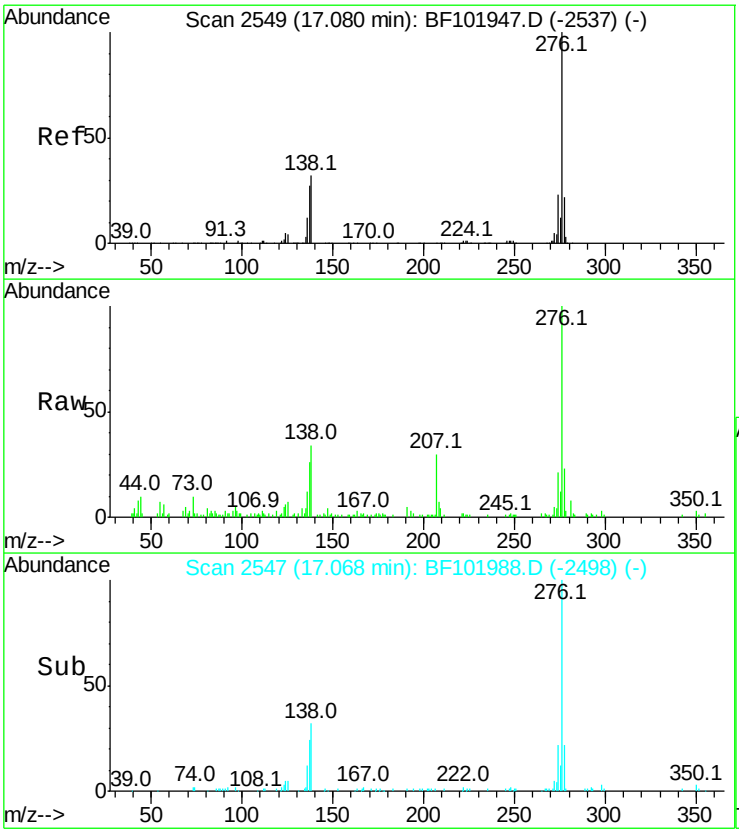
Tgt Ion:252 Resp: 106784

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	16.9	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Manual Integrations APPROVED
Sohil
1/11/2018 10:52:52 AM





#91
Benzo(g,h,i)perylene
Concen: 4.069 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:276 Resp: 67100

Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	33.5	21.8	32.8#