Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091062.D
Acq On : 7 Nov 2016 18:06
Operator : UM/SJ
Sample : H5539-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V001-BF018-01

Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

Quant Time: Nov 08 00:36:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 00:06:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	198578	20.00	ng		0.00
21) Naphthalene-d8	7.95	136	798613	20.00	ng		-0.01
38) Acenaphthene-d10	9.71	164	428465	20.00	ng		0.00
63) Phenanthrene-d10	11.20	188	602675	20.00	ng		0.00
75) Chrysene-d12	13.83	240	430075	20.00	ng		0.00
86) Perylene-d12	15.21	264	385571	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	1537014	127.83	ng		0.01
7) Phenol-d6	6.33	99	1876194	114.96	ng		0.00
23) Nitrobenzene-d5	7.24	82	1267404	86.57	ng		0.00
41) 2,4,6-Tribromophenol	10.50	330	441790	114.05	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	1818748	73.08	ng		-0.01
78) Terphenyl-d14	12.79	244	1630275	94.59	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.34	94	154507	8.55	ng	#	53
49) Dimethylphthalate	9.44	163	407066	14.49	ng		99
70) Phenanthrene	11.22	178	615113	19.20	ng		98
71) Anthracene	11.26	178	211588	6.21	ng		98
72) Carbazole	11.42	167	78625	2.56	ng		98
74) Fluoranthene	12.40	202	658519	19.82	ng		98
77) Pyrene	12.63	202	566527	20.11	ng		98
80) Benzo(a)anthracene	13.81	228	211160m	8.65	ng		
82) Chrysene	13.85	228	181306m	7.53	ng		
85) Indeno(1,2,3-cd)pyrene	16.50	276	90196	4.51	ng	#	93
87) Benzo(b)fluoranthene	14.82	252	198095m	7.58	ng		
88) Benzo(k)fluoranthene	14.83	252	90831m	3.96	ng		
89) Benzo(a)pyrene	15.15	252	168141	7.39	ng		97
91) Benzo(g,h,i)perylene	16.89	276	83579	4.70	ng		96

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

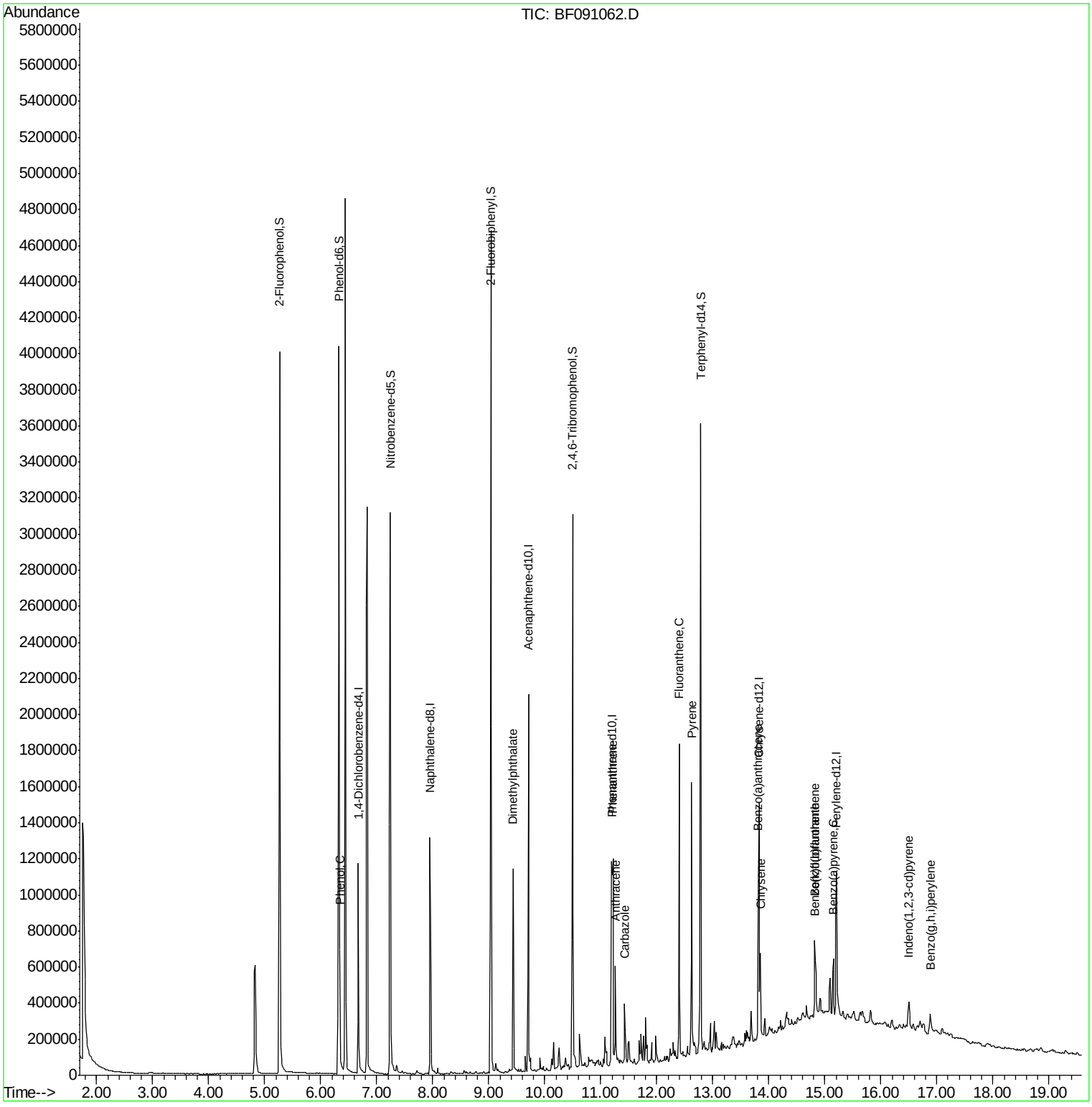
Quantitation Report (LSC Reviewed)

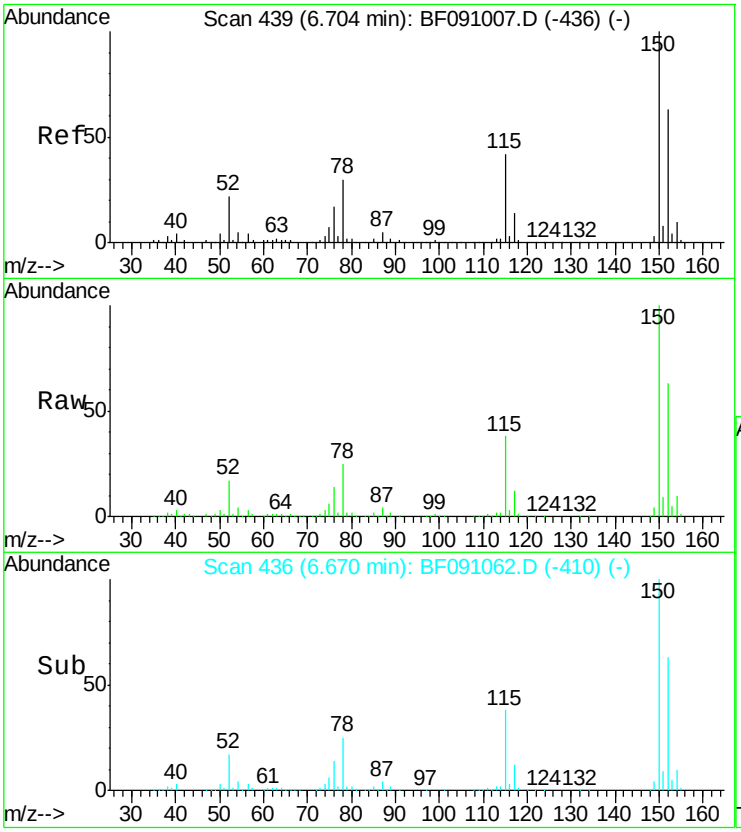
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091062.D
Acq On : 7 Nov 2016 18:06
Operator : UM/SJ
Sample : H5539-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 00:36:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 00:06:22 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

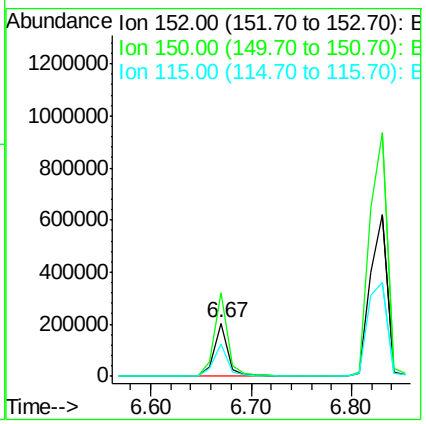




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

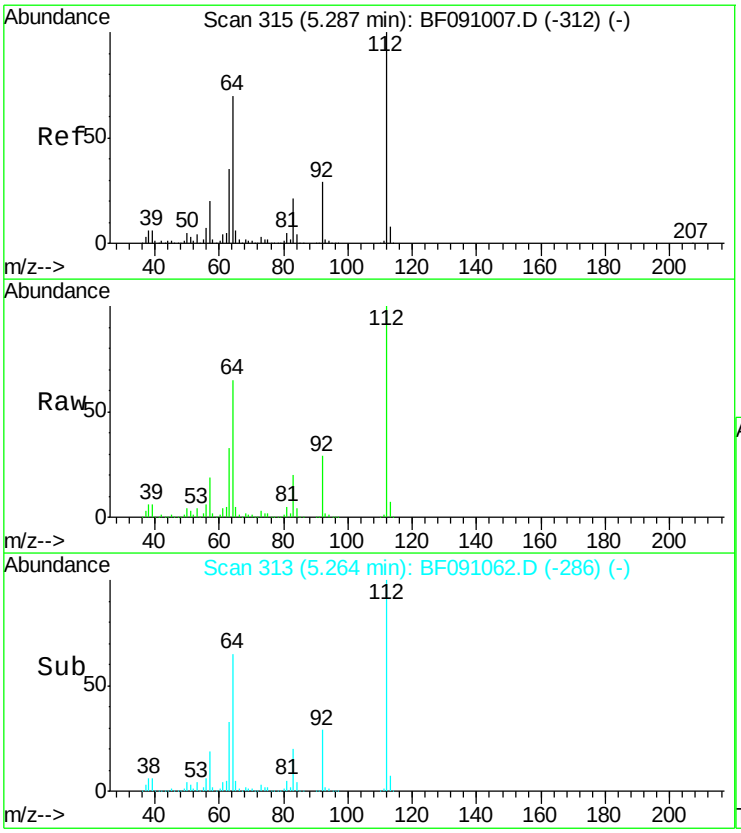
Tgt Ion:152 Resp: 198578

Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.8	190.2
115	60.6	53.3	79.9



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

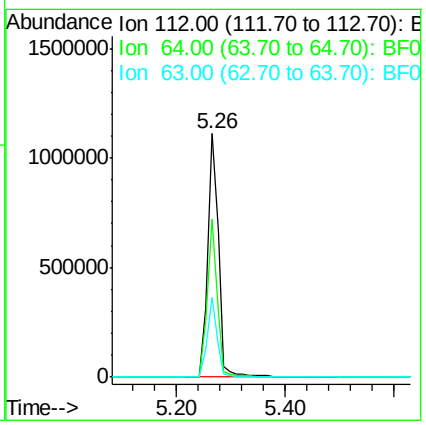
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

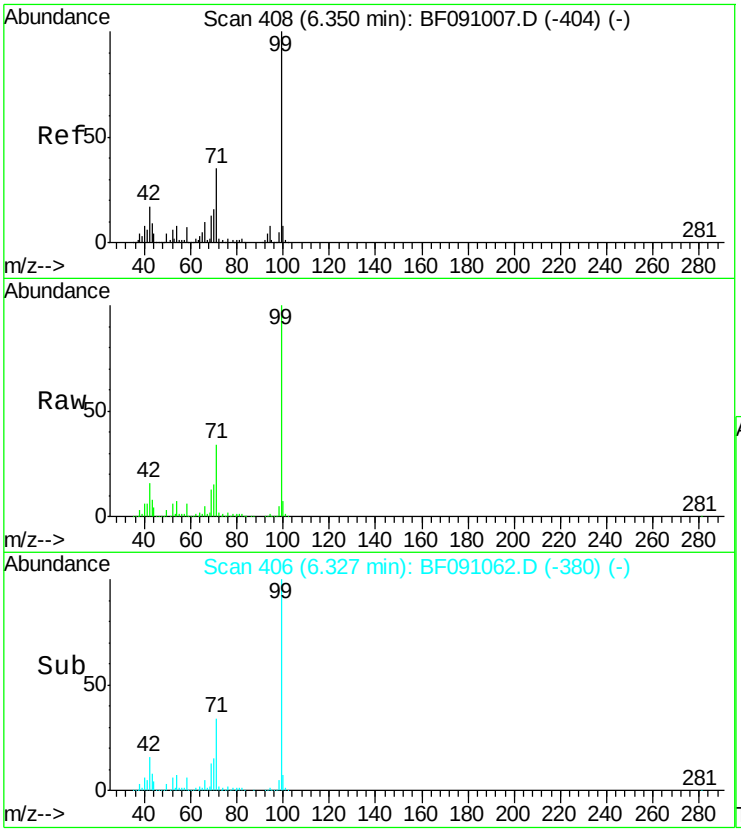


#5
2-Fluorophenol
Concen: 127.83 ng
RT: 5.26 min Scan# 313
Delta R.T. 0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:112 Resp: 1537014

Ion	Ratio	Lower	Upper
112	100		
64	64.9	55.8	83.6
63	32.8	28.0	42.0

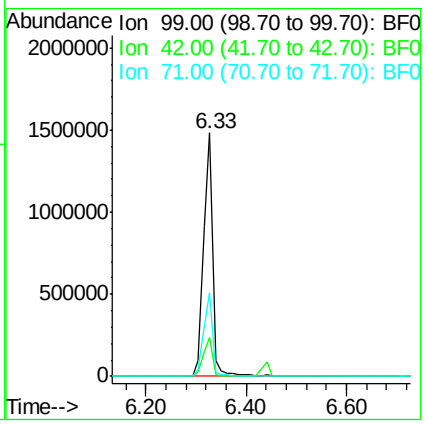




#7
Phenol-d6
Concen: 114.96 ng
RT: 6.33 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

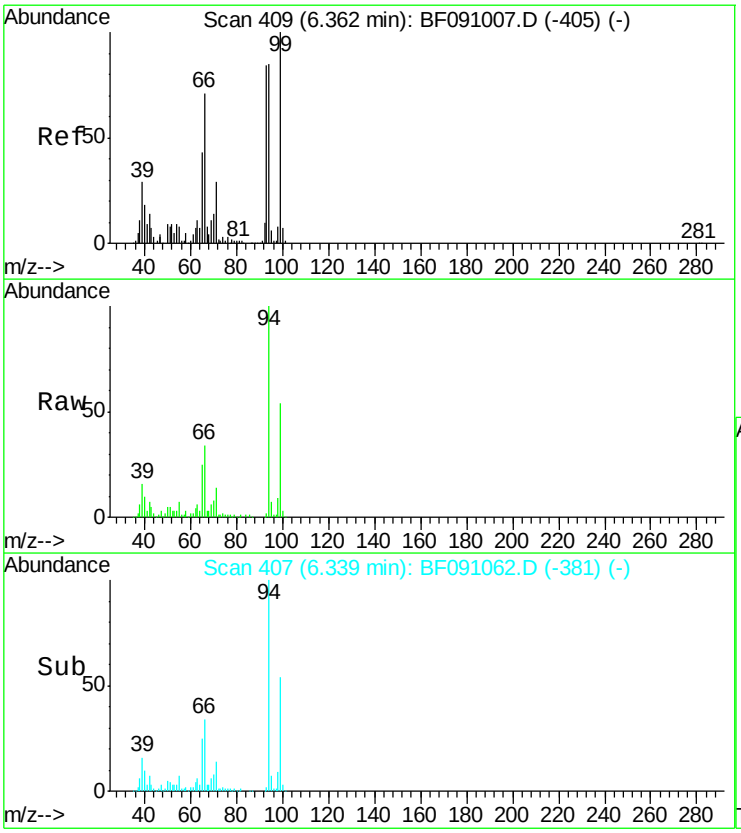
Tgt Ion: 99 Resp: 1876194

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.9	20.9
71	34.1	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

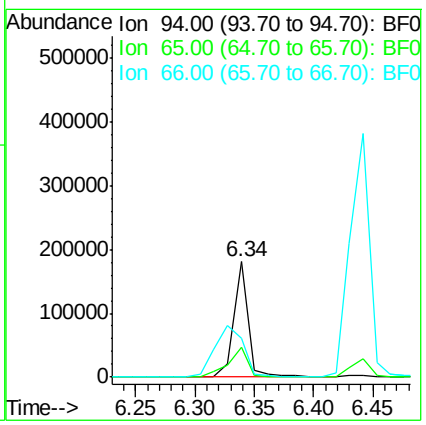
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

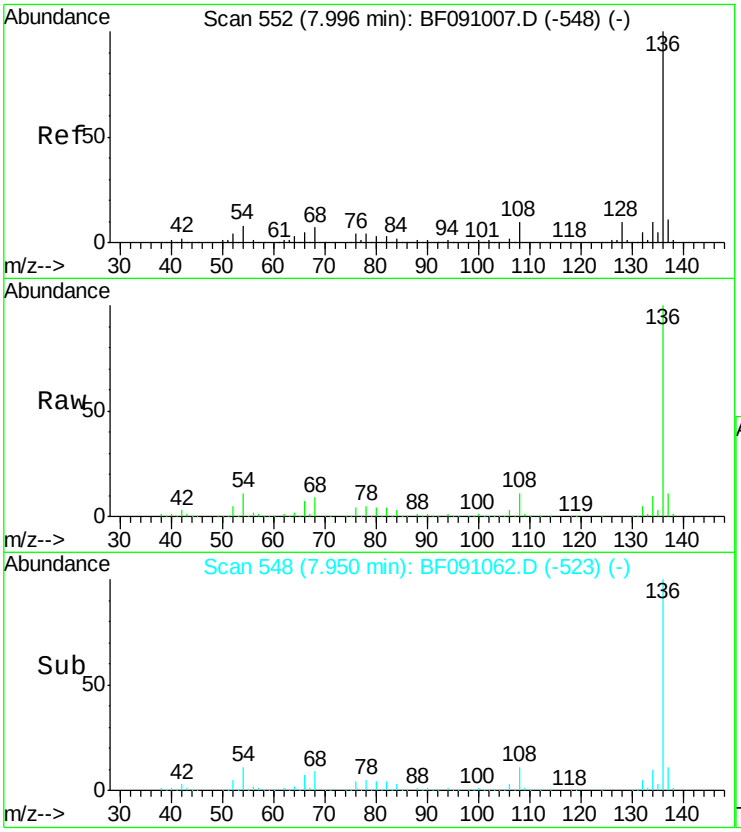


#10
Phenol
Concen: 8.55 ng
RT: 6.34 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion: 94 Resp: 154507

Ion	Ratio	Lower	Upper
94	100		
65	25.5	30.4	70.4#
66	34.1	62.9	102.9#

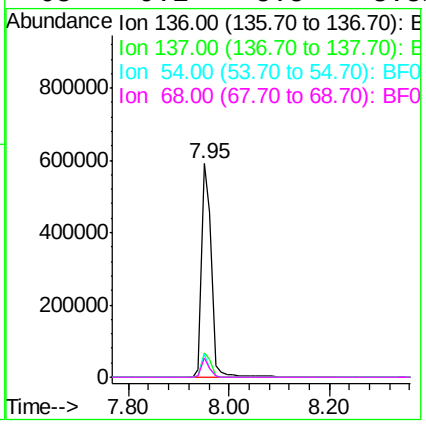




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

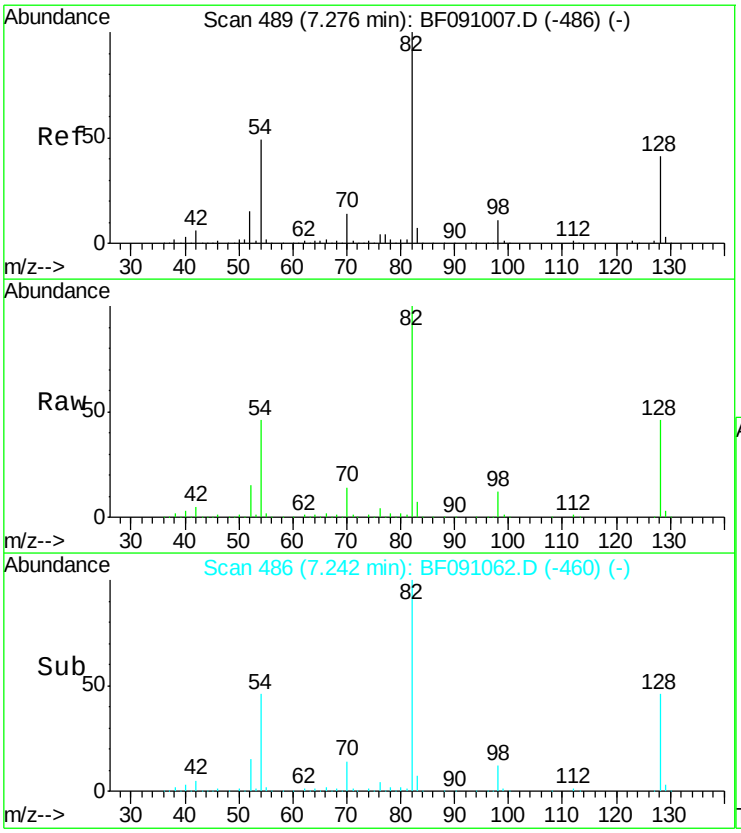
Tgt Ion:136 Resp: 798613

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	11.0	6.2	9.2#
68	9.1	5.5	8.3#



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

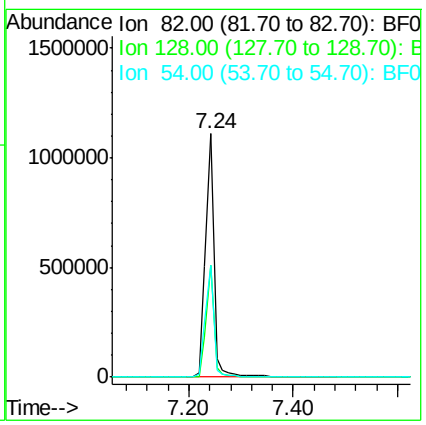
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

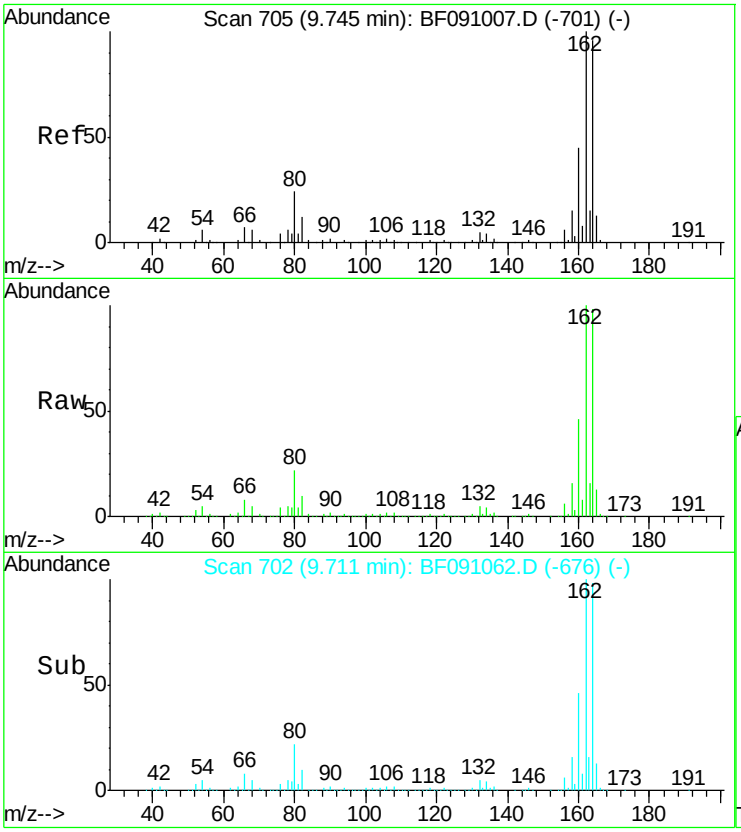


#23
Nitrobenzene-d5
Concen: 86.57 ng
RT: 7.24 min Scan# 486
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion: 82 Resp: 1267404

Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.4	48.6
54	46.2	39.2	58.8

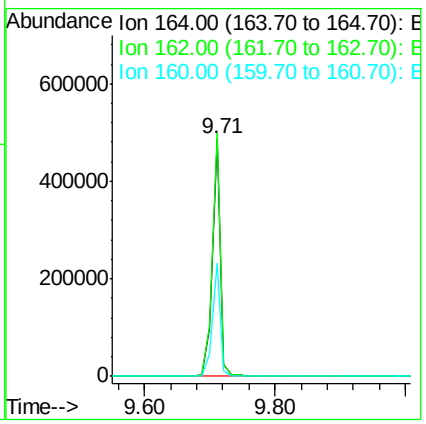




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

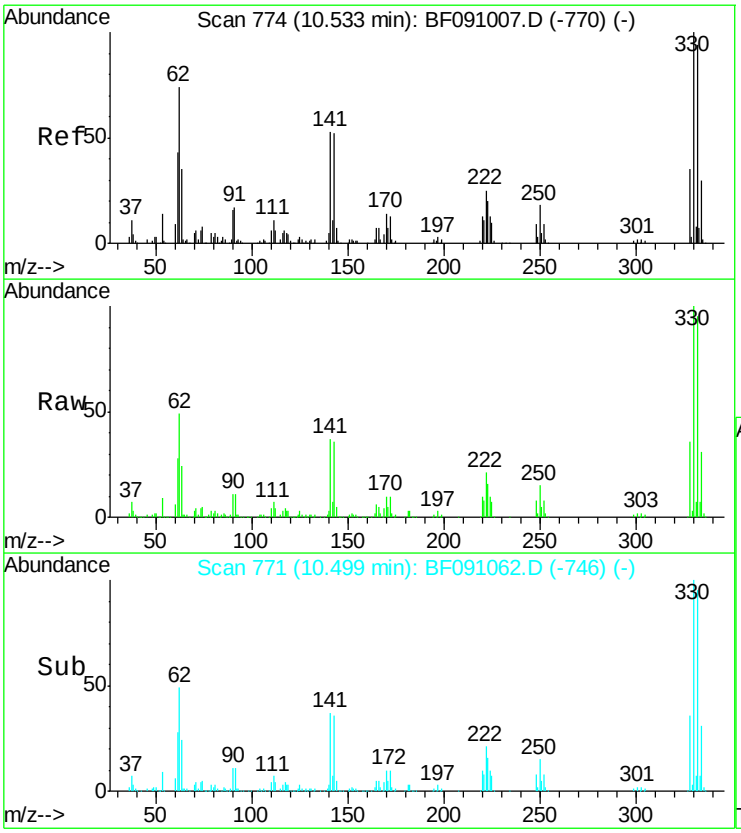
Tgt Ion:164 Resp: 428465

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.6	125.4
160	47.6	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

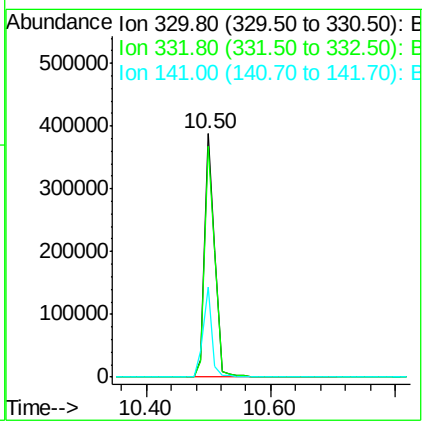
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

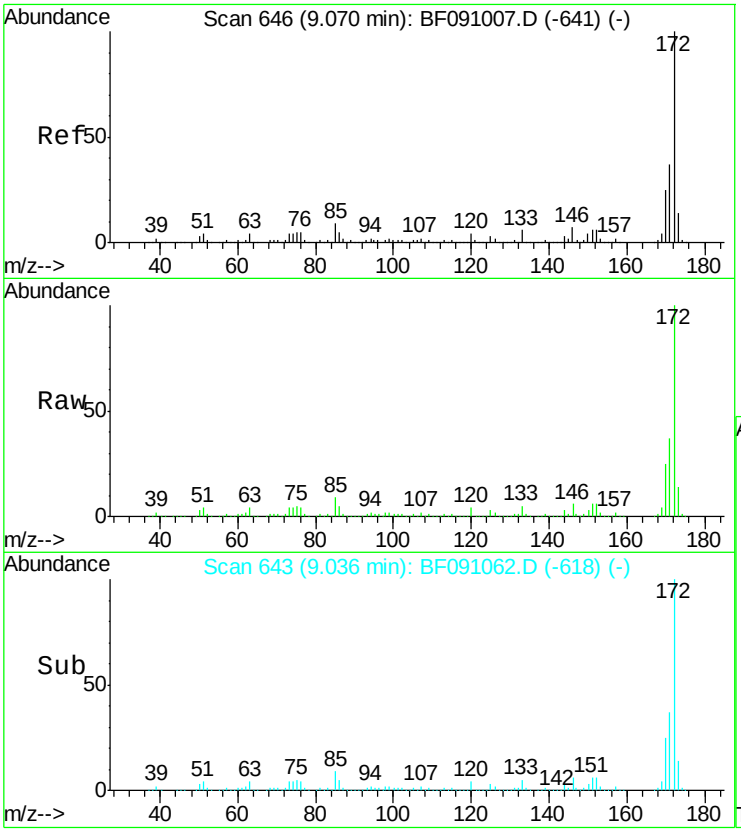


#41
2,4,6-Tribromophenol
Concen: 114.05 ng
RT: 10.50 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:330 Resp: 441790

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.9	113.9
141	33.4	36.1	54.1#

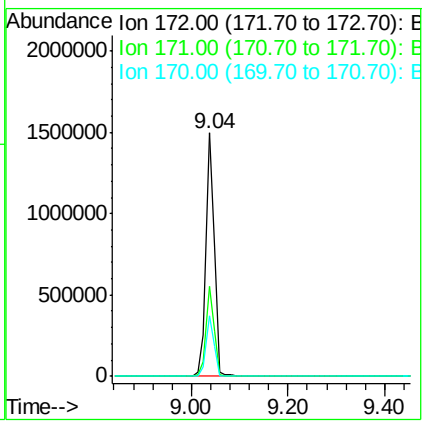




#44
2-Fluorobiphenyl
Concen: 73.08 ng
RT: 9.04 min Scan# 643
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

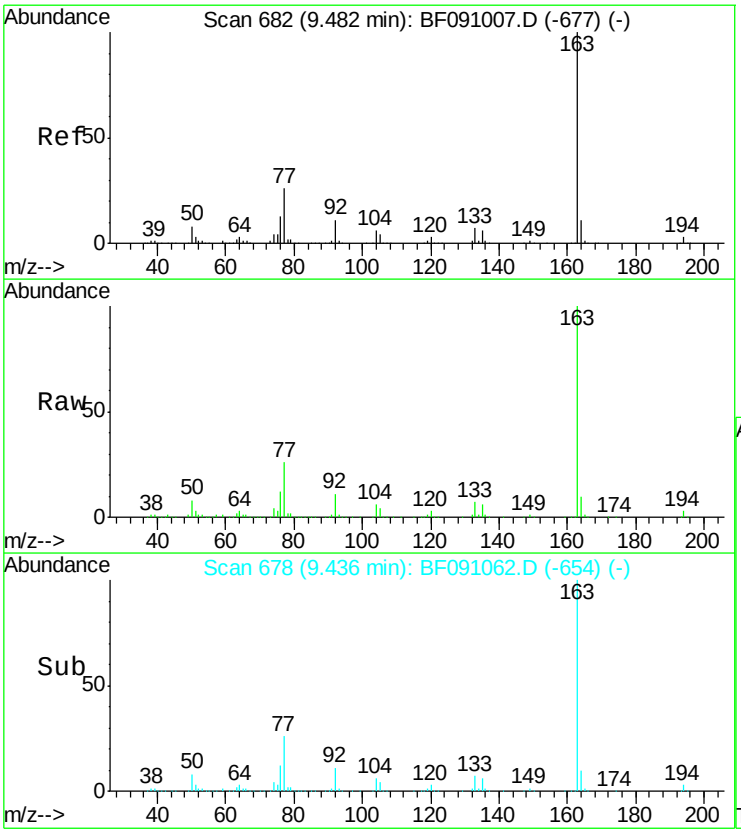
Tgt Ion:172 Resp: 1818748

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

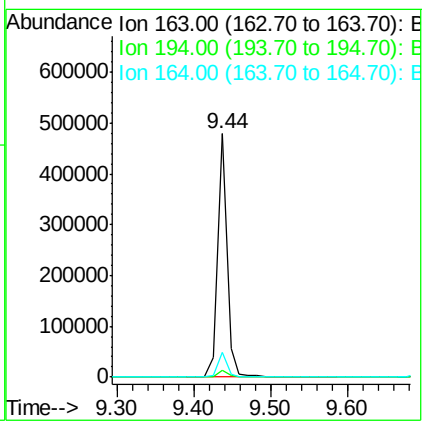
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

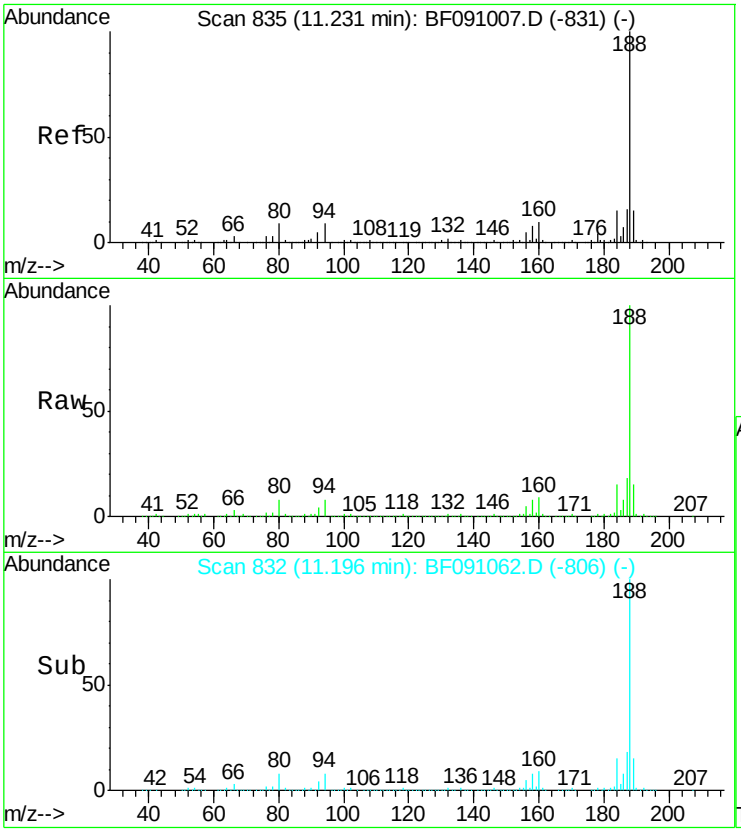


#49
Dimethylphthalate
Concen: 14.49 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:163 Resp: 407066

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.3	8.7	13.1

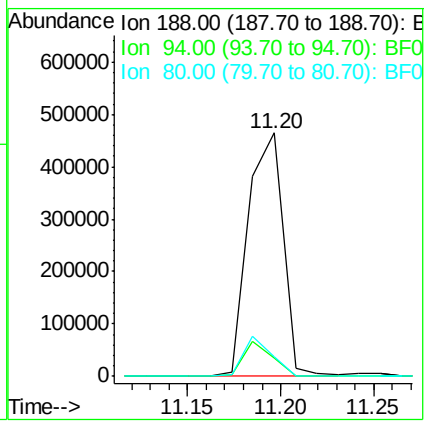




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

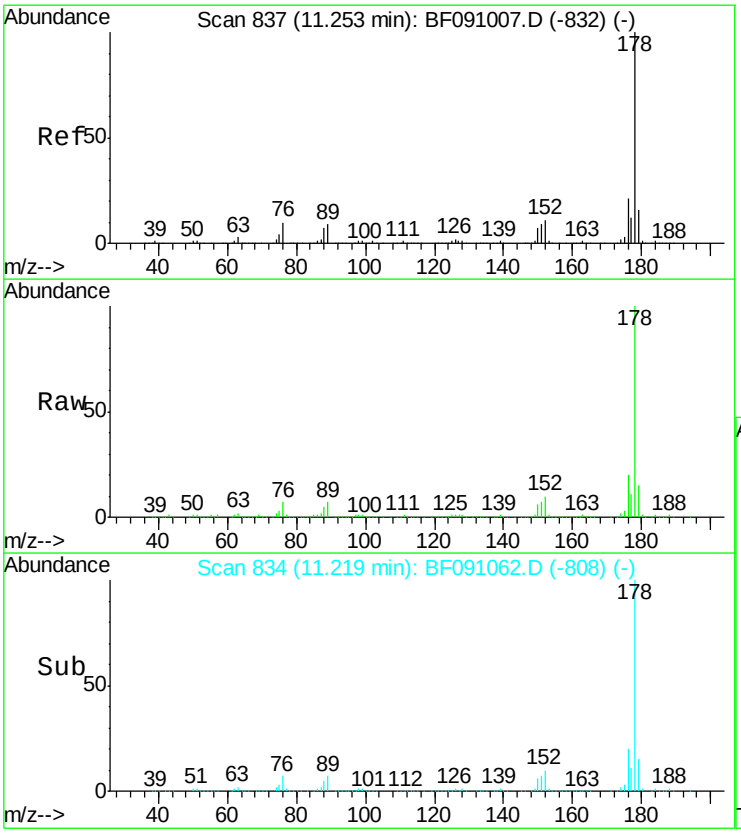
Tgt Ion:188 Resp: 602675

Ion	Ratio	Lower	Upper
188	100		
94	7.5	7.0	10.4
80	7.9	7.5	11.3



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

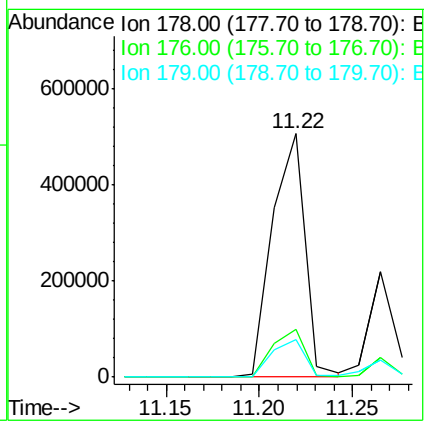
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

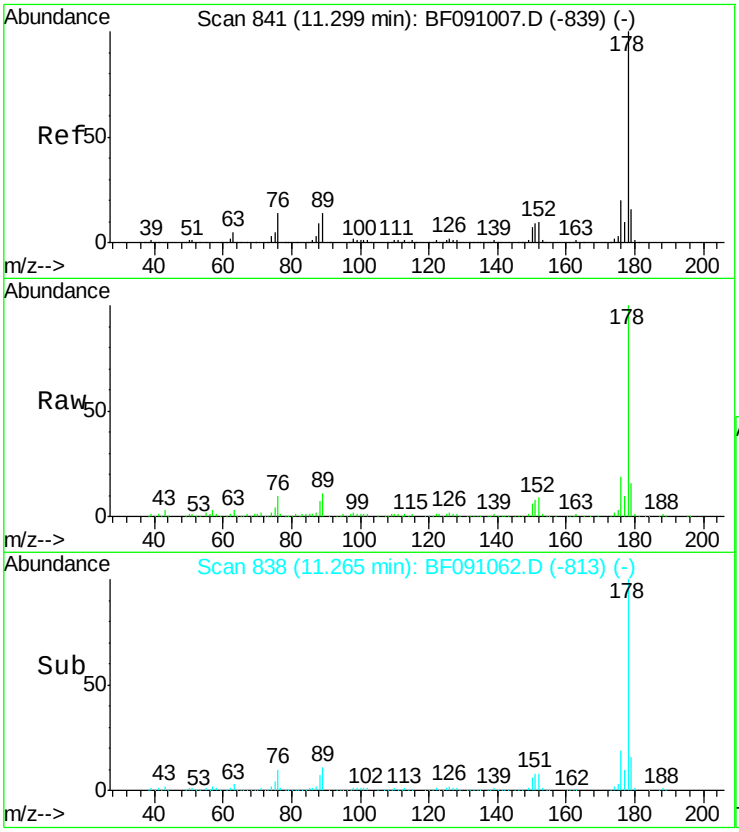


#70
Phenanthrene
Concen: 19.20 ng
RT: 11.22 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:178 Resp: 615113

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.3	12.9	19.3

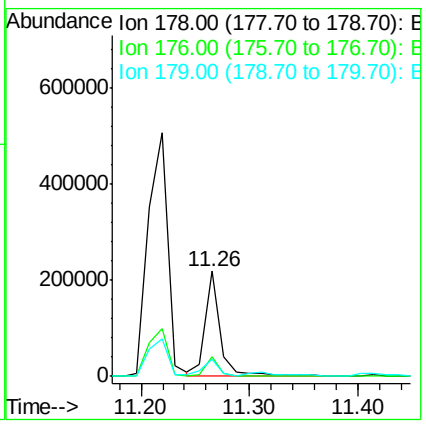




#71
Anthracene
Concen: 6.21 ng
RT: 11.26 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

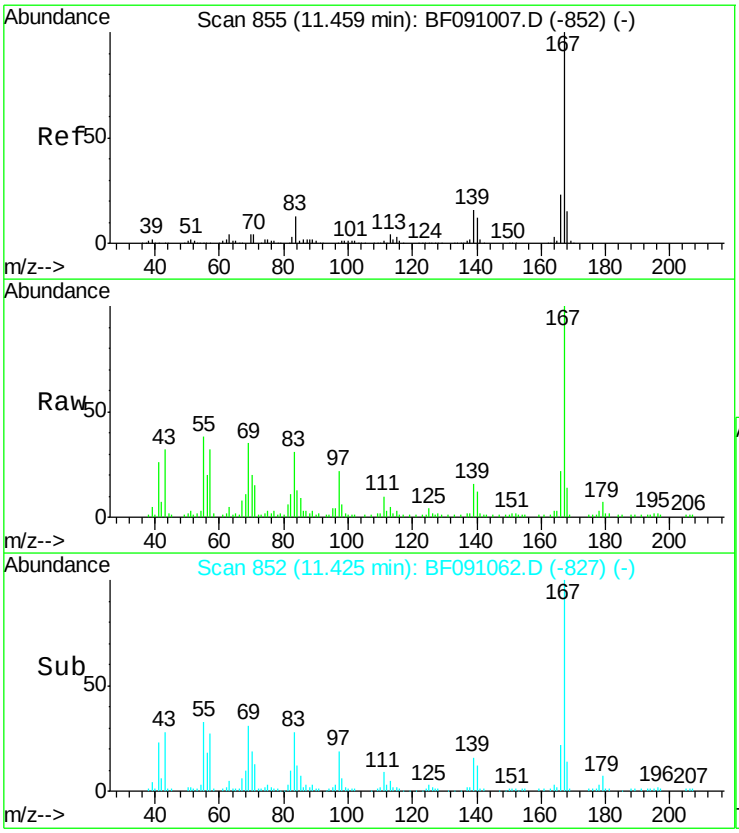
Tgt Ion:178 Resp: 211588

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.0	24.0
179	16.0	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

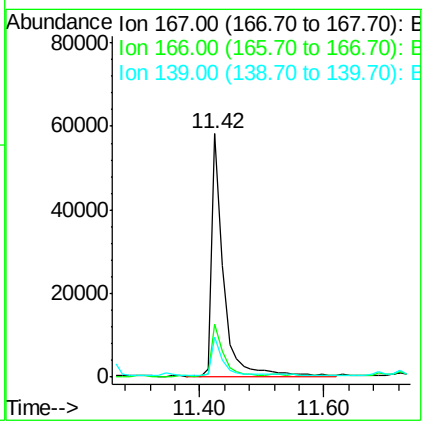
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

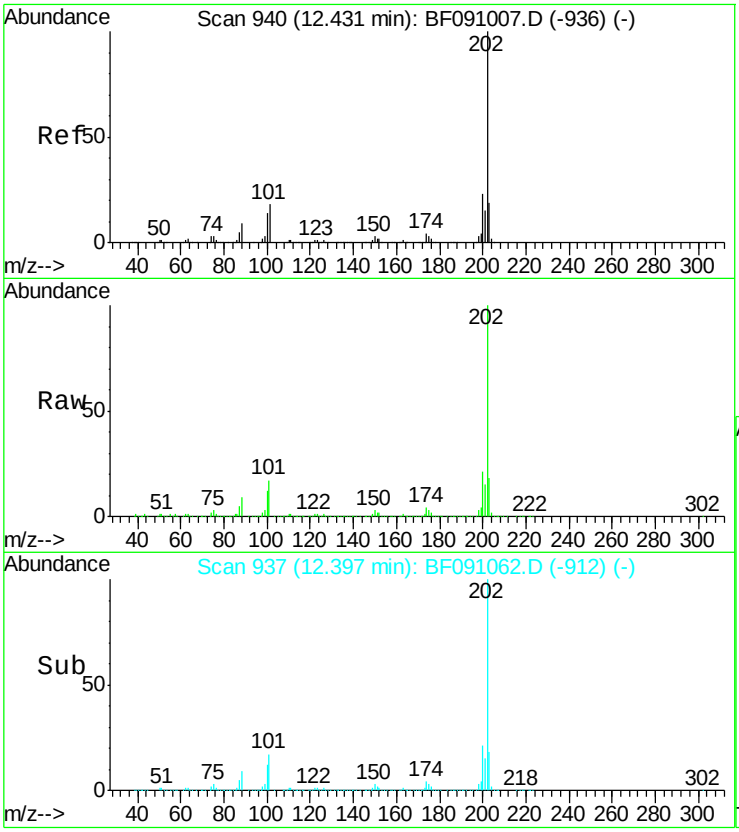


#72
Carbazole
Concen: 2.56 ng
RT: 11.42 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:167 Resp: 78625

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.0	27.0
139	16.4	12.6	18.8

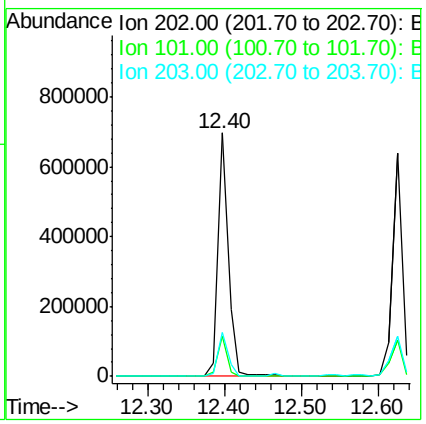




#74
Fluoranthene
Concen: 19.82 ng
RT: 12.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

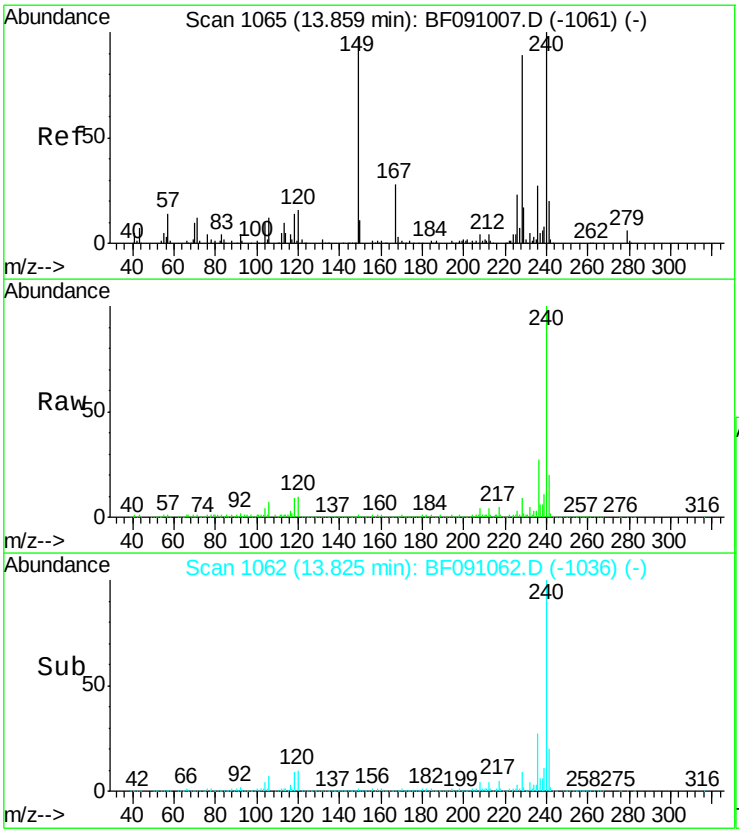
Tgt Ion:202 Resp: 658519

Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	37.6
203	18.1	0.0	38.6



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

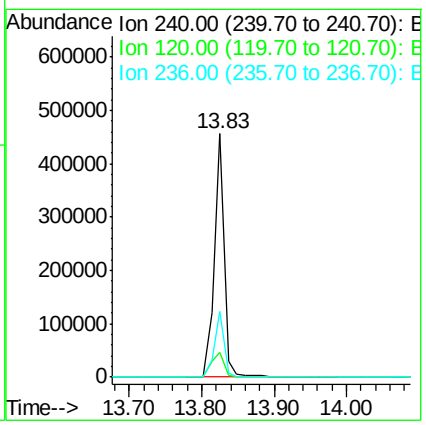
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

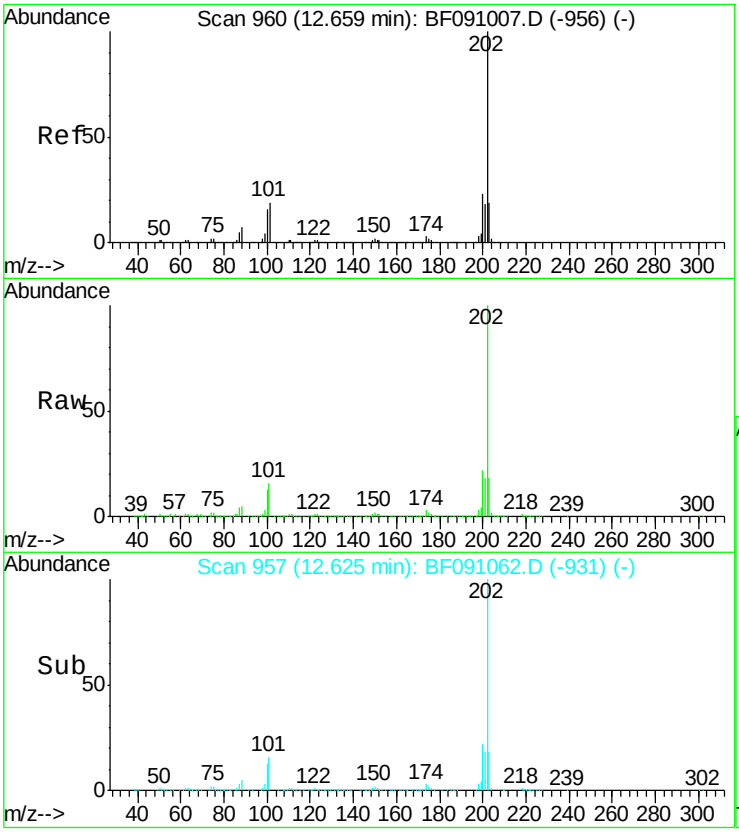


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:240 Resp: 430075

Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	26.7	21.9	32.9

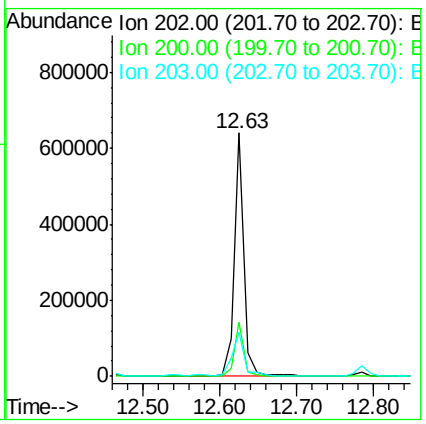




#77
Pyrene
Concen: 20.11 ng
RT: 12.63 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

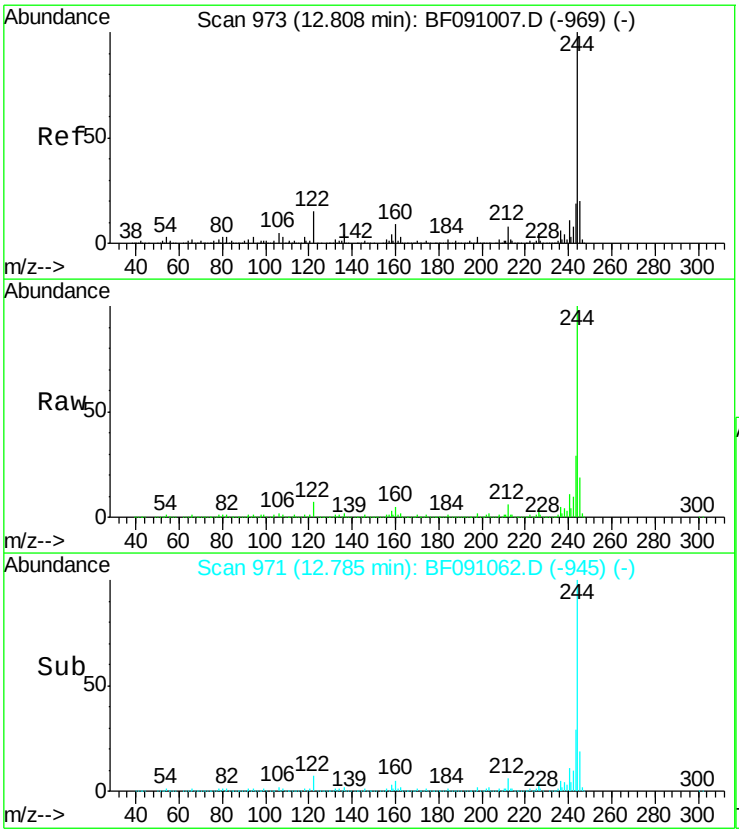
Tgt Ion:202 Resp: 566527

Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.4	27.6
203	18.0	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

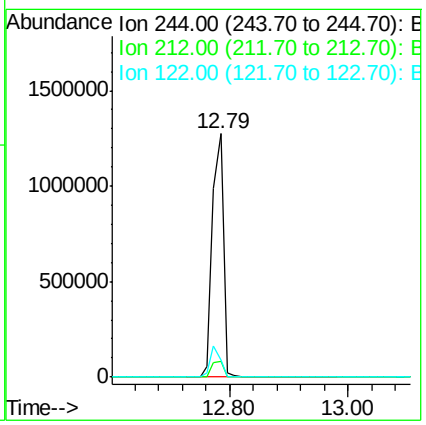
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

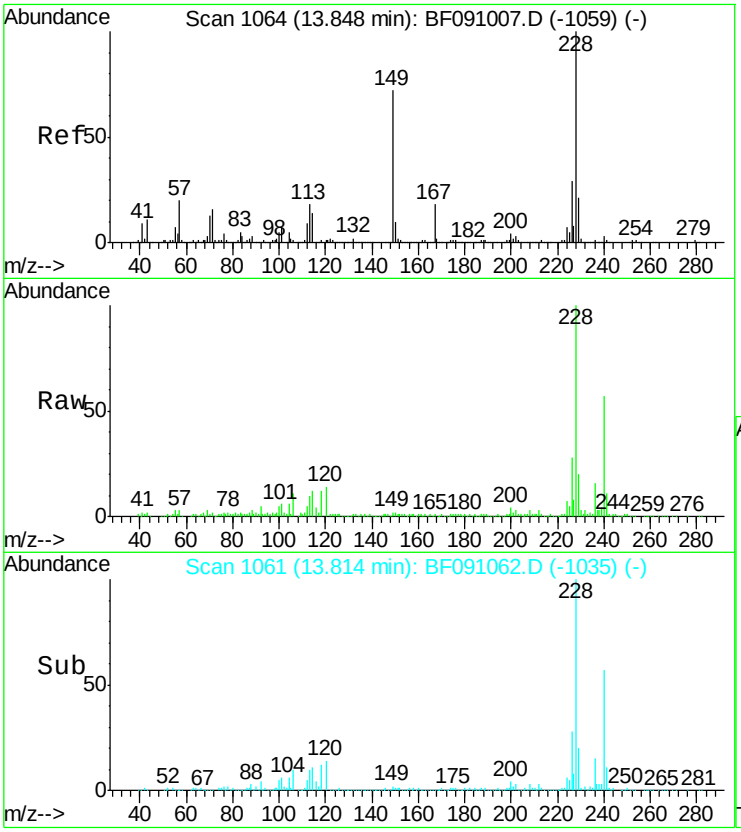


#78
Terphenyl-d14
Concen: 94.59 ng
RT: 12.79 min Scan# 971
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:244 Resp: 1630275

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.4	9.6
122	7.0	12.3	18.5#

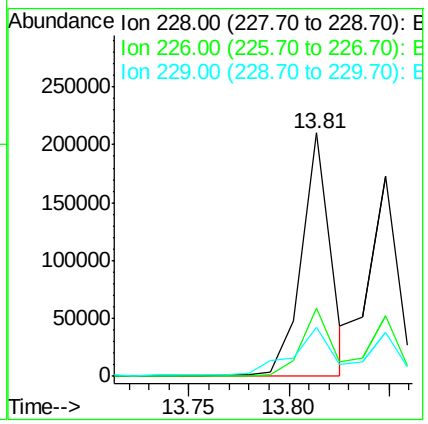




#80
Benzo(a)anthracene
Concen: 8.65 ng m
RT: 13.81 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

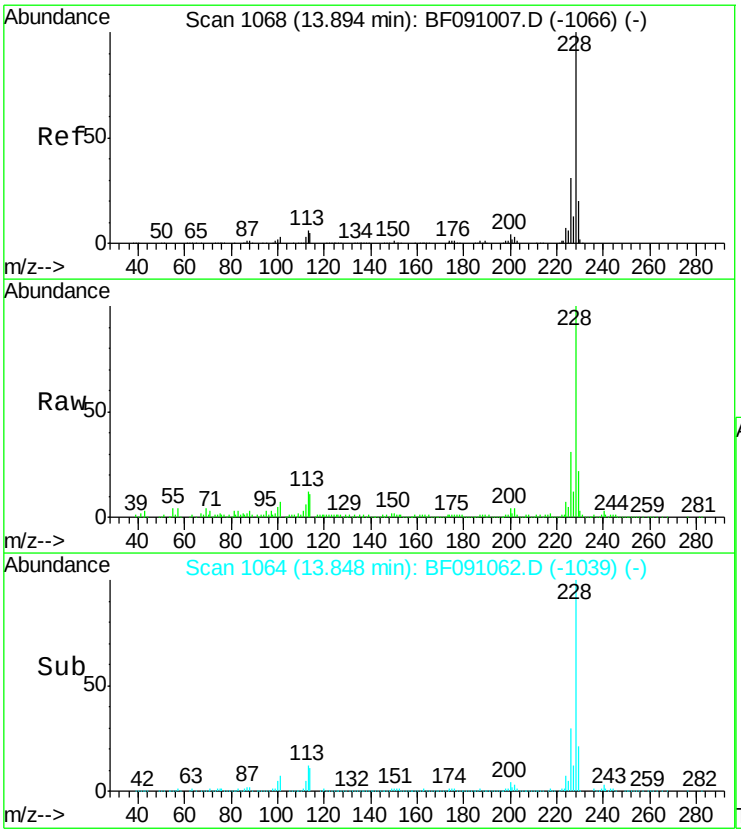
Tgt Ion:228 Resp: 211160

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.0	34.6
229	20.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

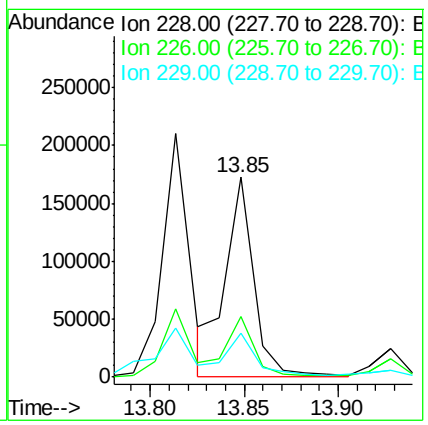
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

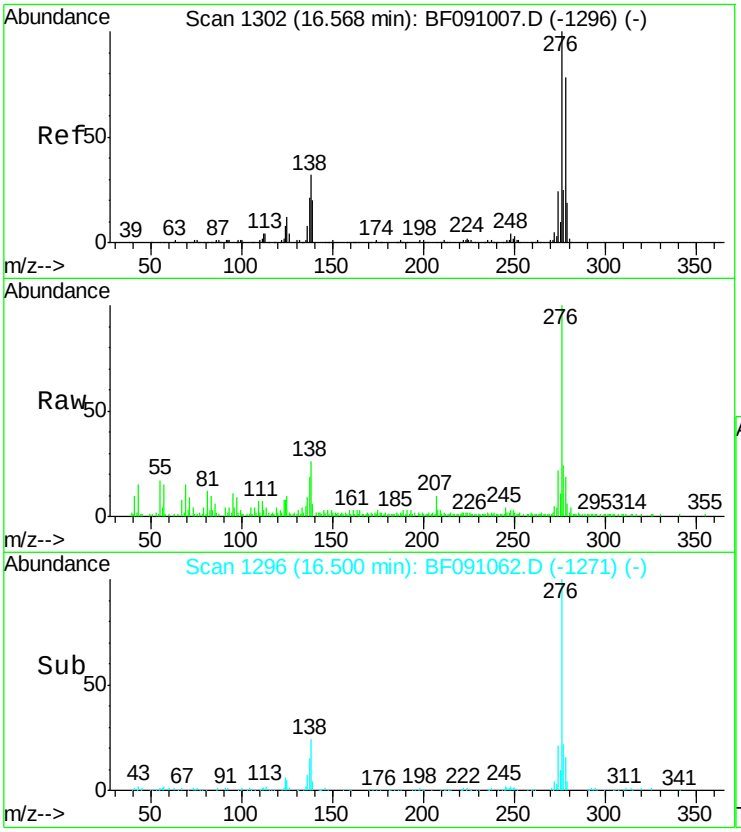


#82
Chrysene
Concen: 7.53 ng m
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:228 Resp: 181306

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.2	15.9	23.9





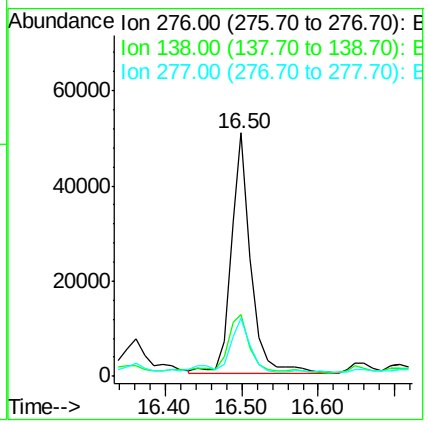
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.51 ng
RT: 16.50 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

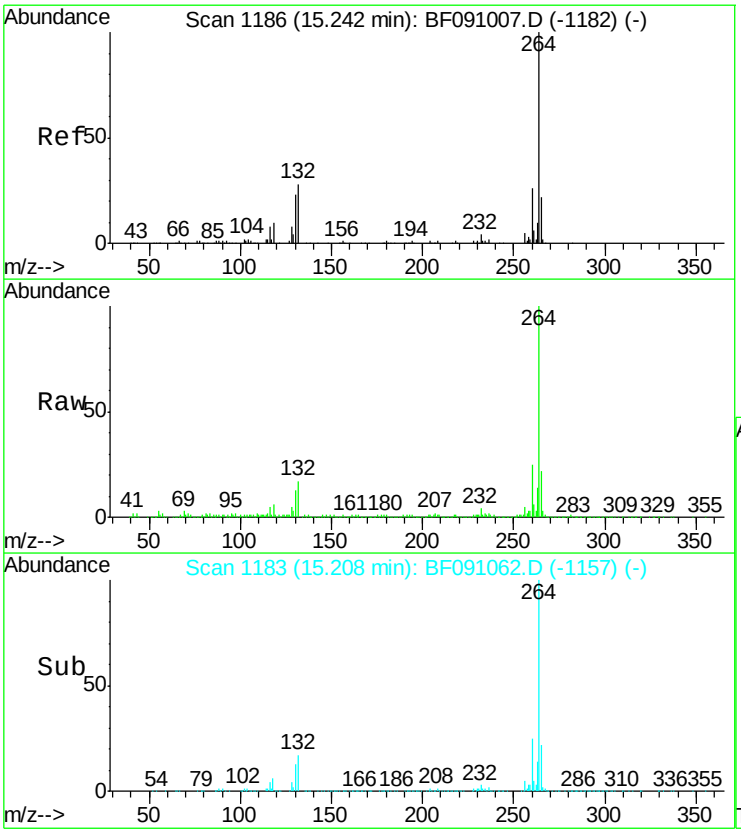
Tgt Ion:276 Resp: 90196

Ion	Ratio	Lower	Upper
276	100		
138	25.9	26.0	39.0#
277	25.6	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

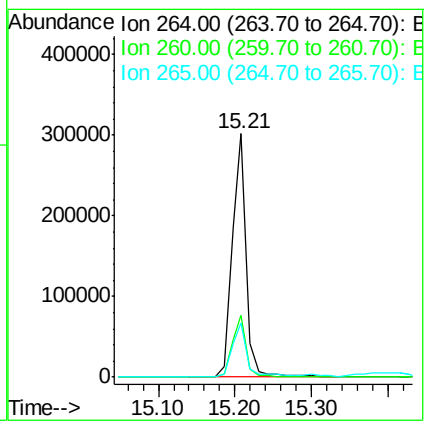


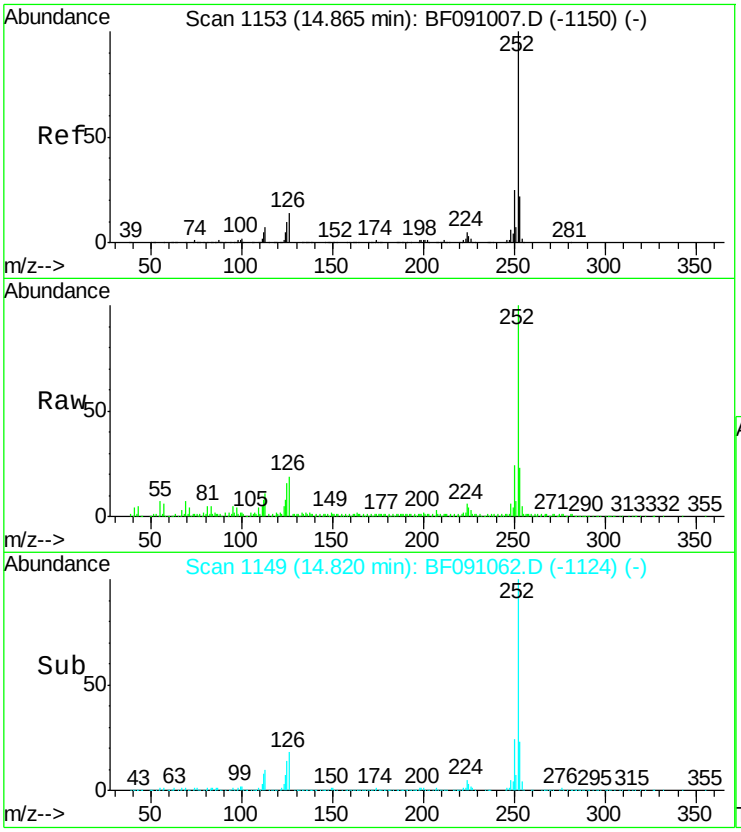


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:264 Resp: 385571

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	30.8
265	22.3	17.8	26.8

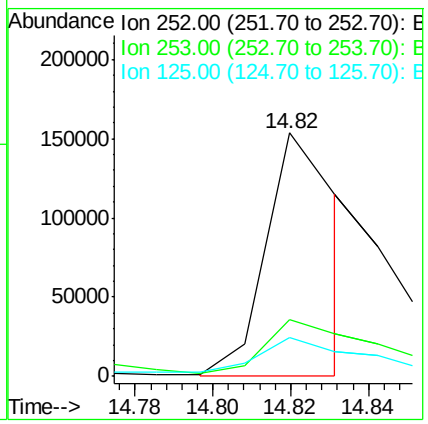




#87
Benzo(b)fluoranthene
Concen: 7.58 ng m
RT: 14.82 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

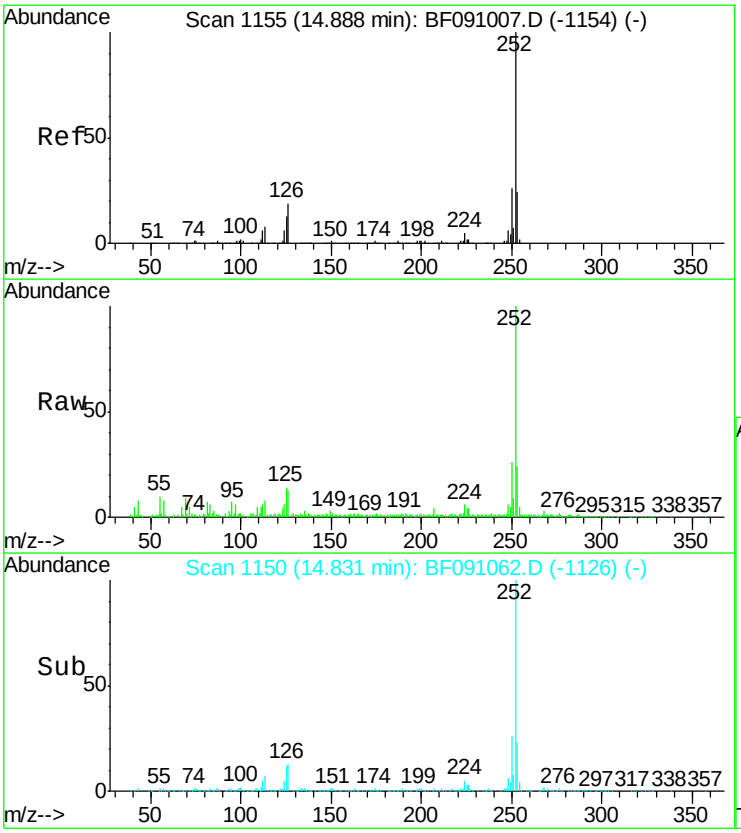
Tgt Ion:252 Resp: 198095

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.8	8.3	12.5#



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

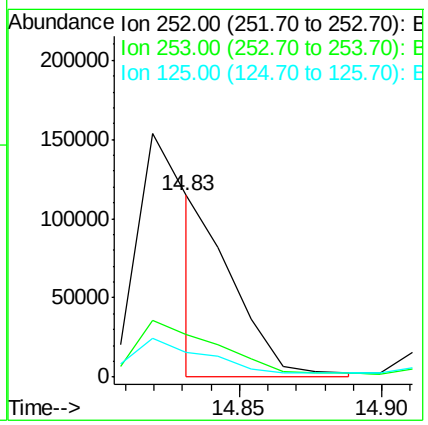
Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM

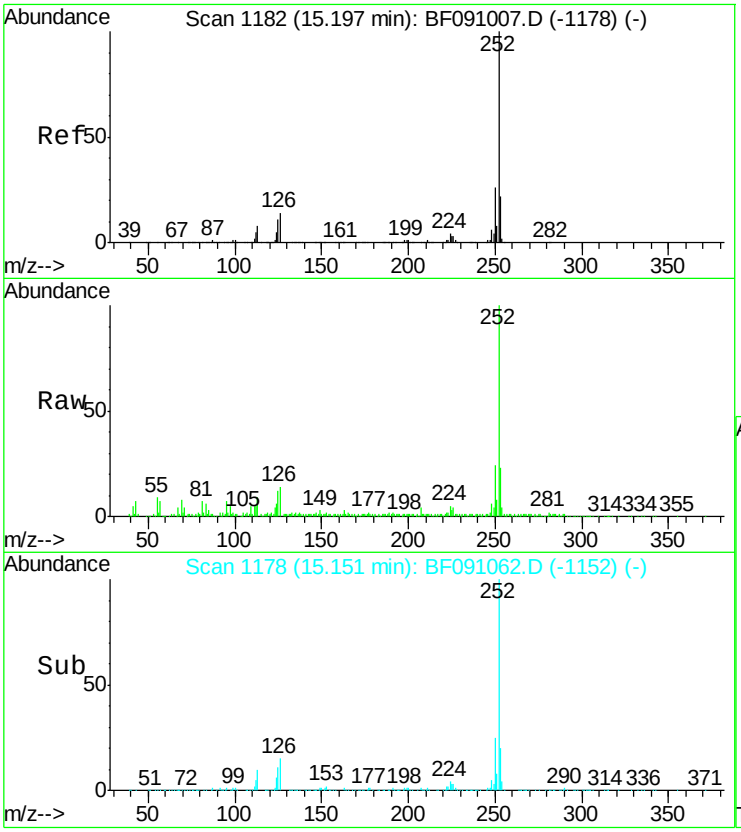


#88
Benzo(k)fluoranthene
Concen: 3.96 ng m
RT: 14.83 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:252 Resp: 90831

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.6	28.0
125	13.8	11.2	16.8

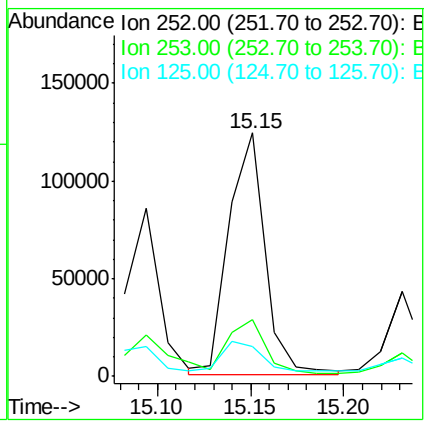




#89
Benzo(a)pyrene
Concen: 7.39 ng
RT: 15.15 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

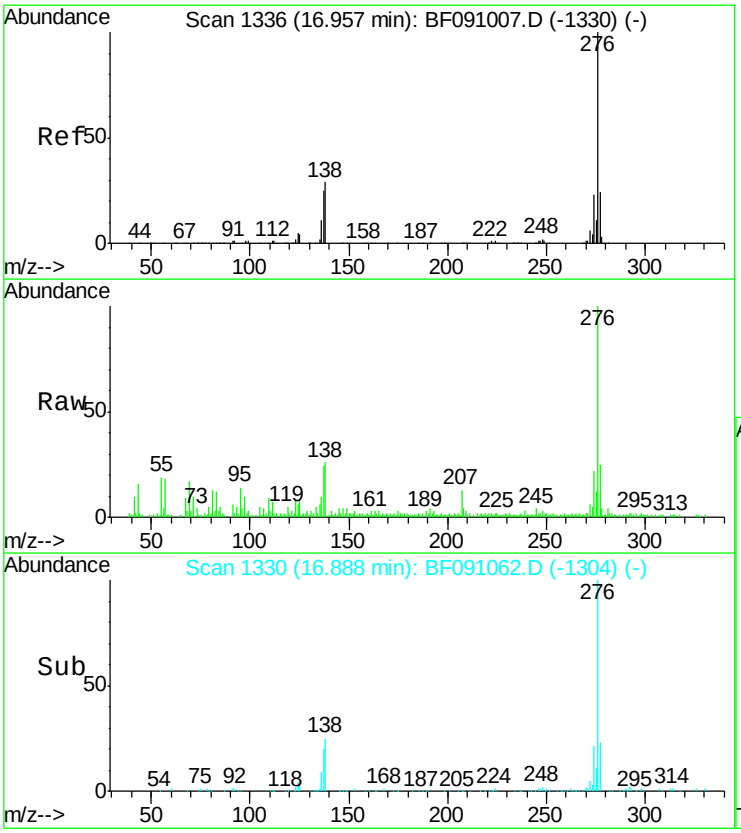
Tgt Ion:252 Resp: 168141

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	12.1	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
V001-BF018-01

Manual Integrations APPROVED
sohil
11/8/2016 4:32:04 PM



#91
Benzo(g,h,i)perylene
Concen: 4.70 ng
RT: 16.89 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF091062.D
Acq: 7 Nov 2016 18:06

Tgt Ion:276 Resp: 83579

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	26.3	23.3	34.9