Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090561.D
Acq On : 14 Oct 2016 11:07
Operator : UM/SJ
Sample : H5157-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

Quant Time: Oct 14 16:00:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 02:03:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	195367	20.00	ng		0.01
21) Naphthalene-d8	8.23	136	408302	20.00	ng		0.02
38) Acenaphthene-d10	10.01	164	139893	20.00	ng		0.03
63) Phenanthrene-d10	11.49	188	379607	20.00	ng		0.03
75) Chrysene-d12	14.10	240	451138	20.00	ng		0.00
86) Perylene-d12	15.56	264	443925	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	1364235	128.01	ng		0.00
7) Phenol-d6	6.55	99	1790405	113.07	ng		0.00
23) Nitrobenzene-d5	7.49	82	628677	85.53	ng		0.00
41) 2,4,6-Tribromophenol	10.81	330	215465	172.76	ng		0.05
44) 2-Fluorobiphenyl	9.32	172	787229	92.72	ng		0.03
78) Terphenyl-d14	13.05	244	1148733	59.29	ng		0.00
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.97	142	699210	57.24	ng		96
49) Dimethylphthalate	9.71	163	170794	18.82	ng	#	76
51) Acenaphthene	10.04	154	230342	27.42	ng	#	67
57) Fluorene	10.57	166	513139	56.29	ng	#	77
70) Phenanthrene	11.52	178	1891649	93.35	ng	#	94
74) Fluoranthene	12.70	202	428922	21.04	ng		93
77) Pyrene	12.92	202	630083	21.09	ng	#	91
80) Benzo(a)anthracene	14.09	228	146540	5.71	ng	#	93
82) Chrysene	14.12	228	121154m	4.90	ng		
83) Bis(2-ethylhexyl)phthalate	14.08	149	41821	2.34	ng	#	96
85) Indeno(1,2,3-cd)pyrene	17.01	276	62446	4.36	ng	#	91
87) Benzo(b)fluoranthene	15.14	252	120986m	4.16	ng		
89) Benzo(a)pyrene	15.49	252	98133	3.69	ng	#	72
91) Benzo(g,h,i)perylene	17.45	276	56620	2.93	ng	#	89

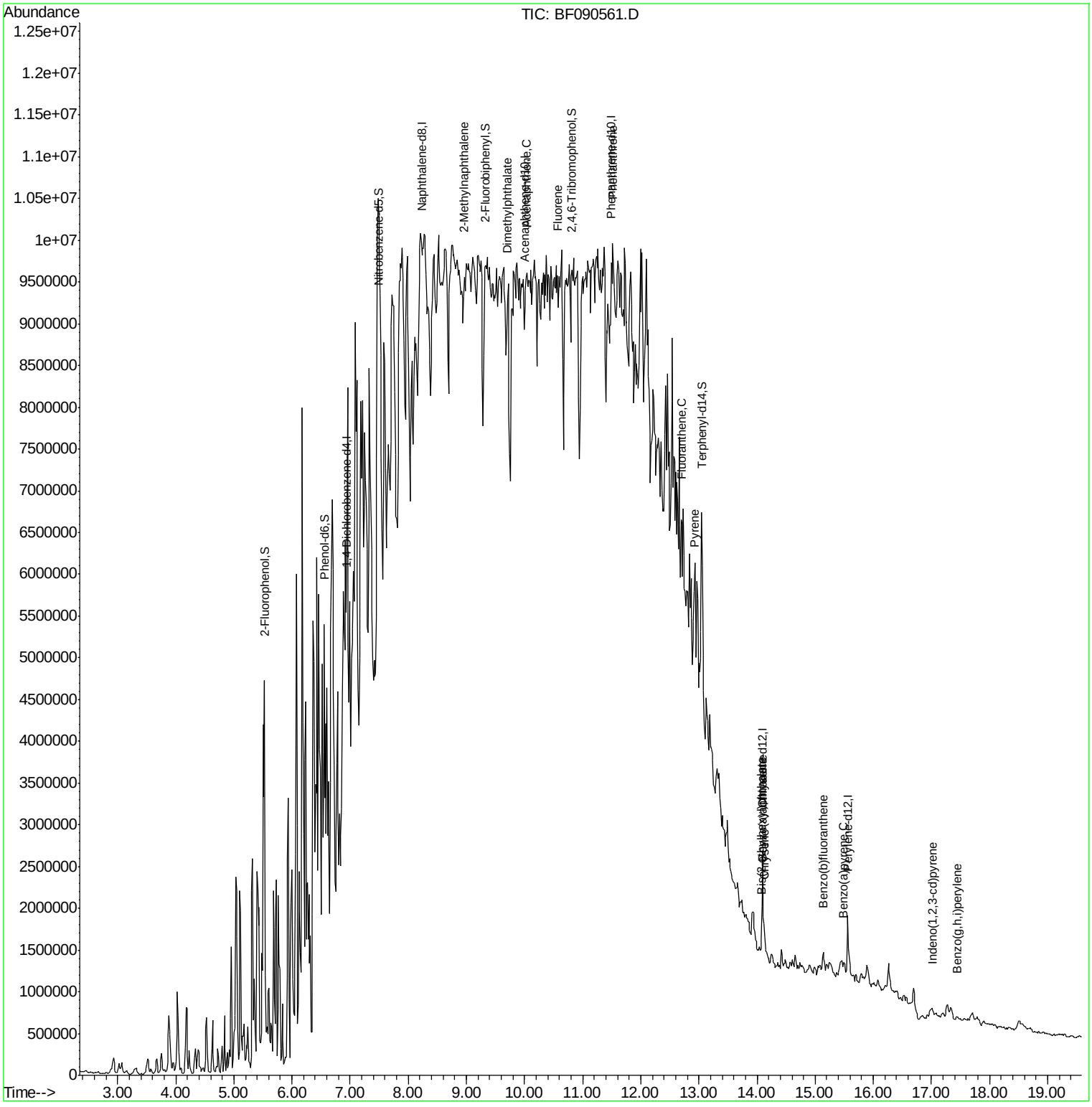
(#) = qualifier out of range (m) = manual integration (+) = signals summed

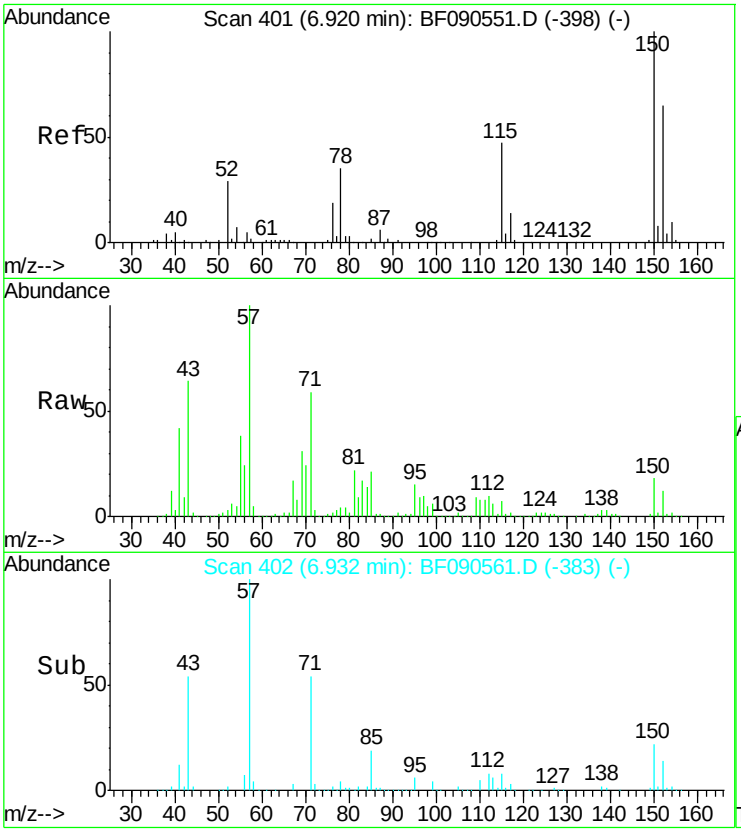
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090561.D
Acq On : 14 Oct 2016 11:07
Operator : UM/SJ
Sample : H5157-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 14 16:00:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 02:03:28 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

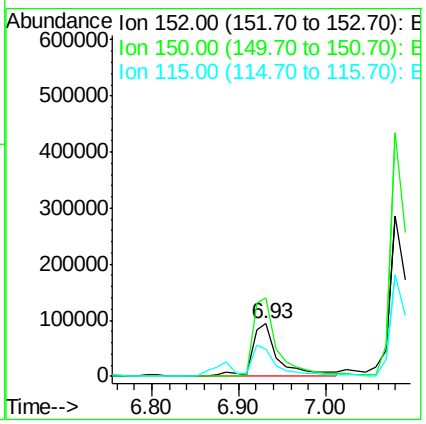




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 402
Delta R.T. 0.01 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

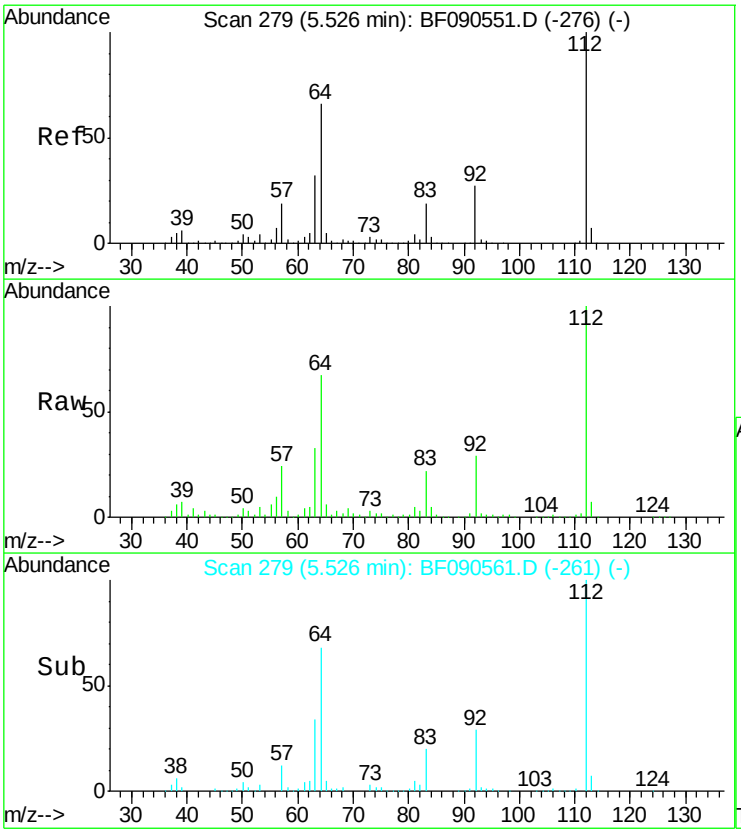
Tgt Ion:152 Resp: 195367

Ion	Ratio	Lower	Upper
152	100		
150	149.9	127.2	190.8
115	53.1	58.6	88.0#



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

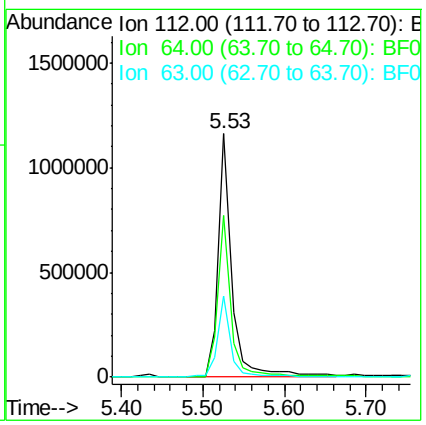
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

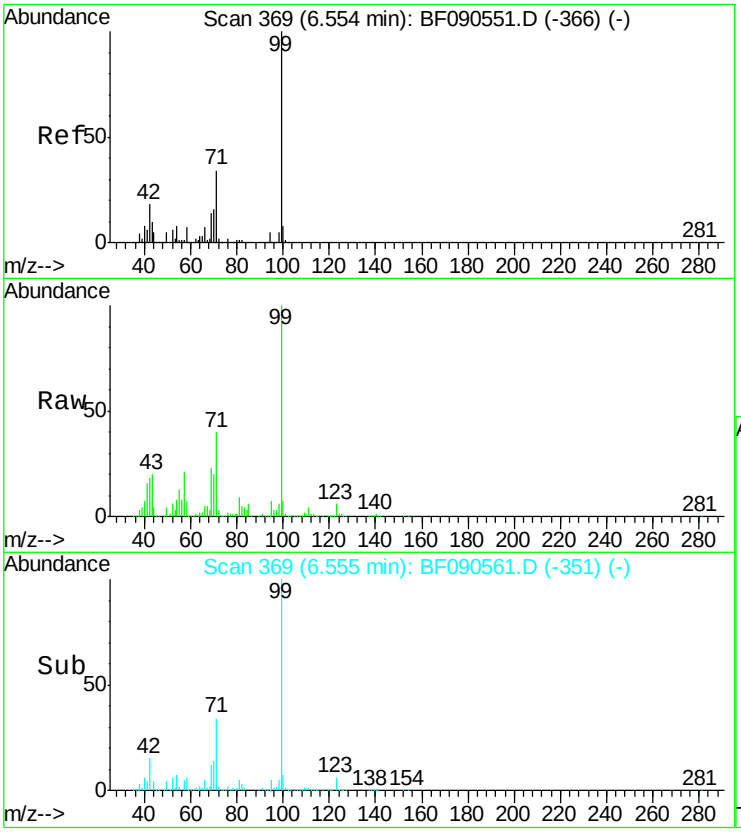


#5
2-Fluorophenol
Concen: 128.01 ng
RT: 5.53 min Scan# 279
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:112 Resp: 1364235

Ion	Ratio	Lower	Upper
112	100		
64	66.6	52.6	78.8
63	33.1	26.0	39.0

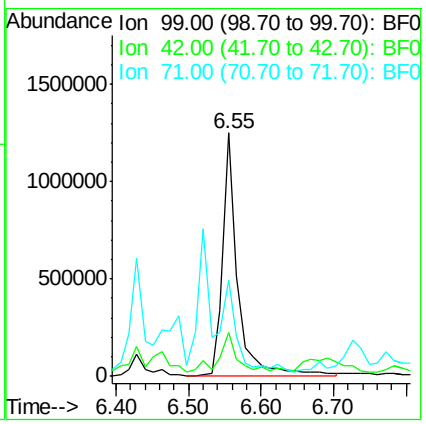




#7
Phenol-d6
Concen: 113.07 ng
RT: 6.55 min Scan# 369
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

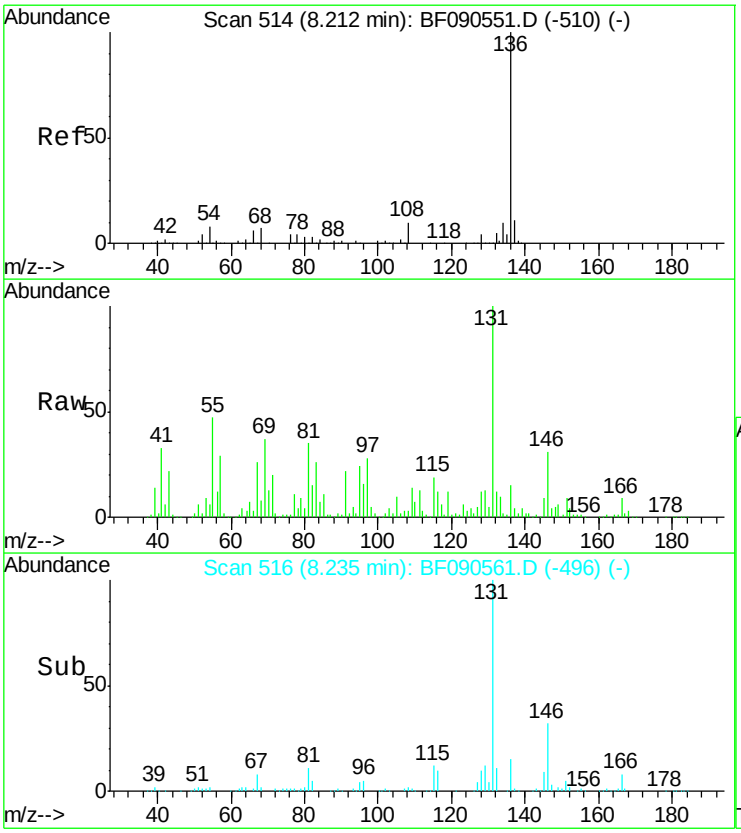
Tgt Ion: 99 Resp: 1790405

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.7	22.1
71	39.6	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

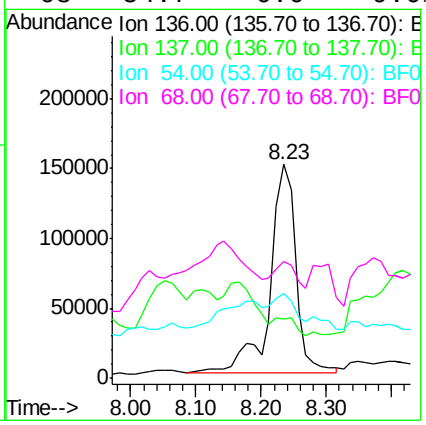
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

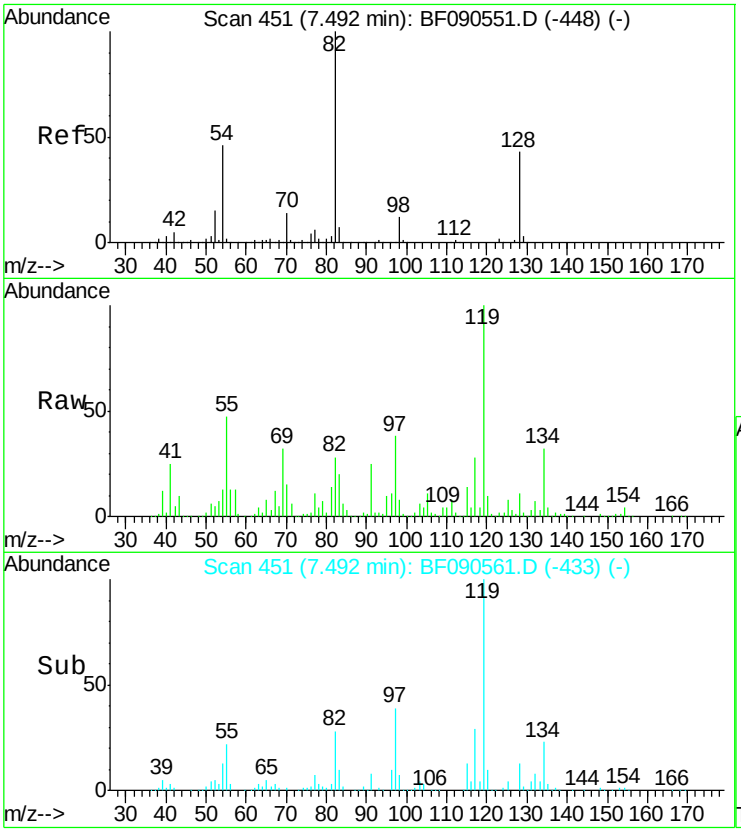


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 516
Delta R.T. 0.02 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:136 Resp: 408302

Ion	Ratio	Lower	Upper
136	100		
137	27.9	8.8	13.2#
54	39.5	6.8	10.2#
68	54.7	6.0	9.0#

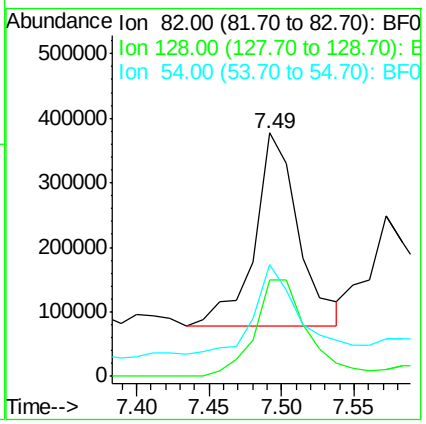




#23
Nitrobenzene-d5
Concen: 85.53 ng
RT: 7.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

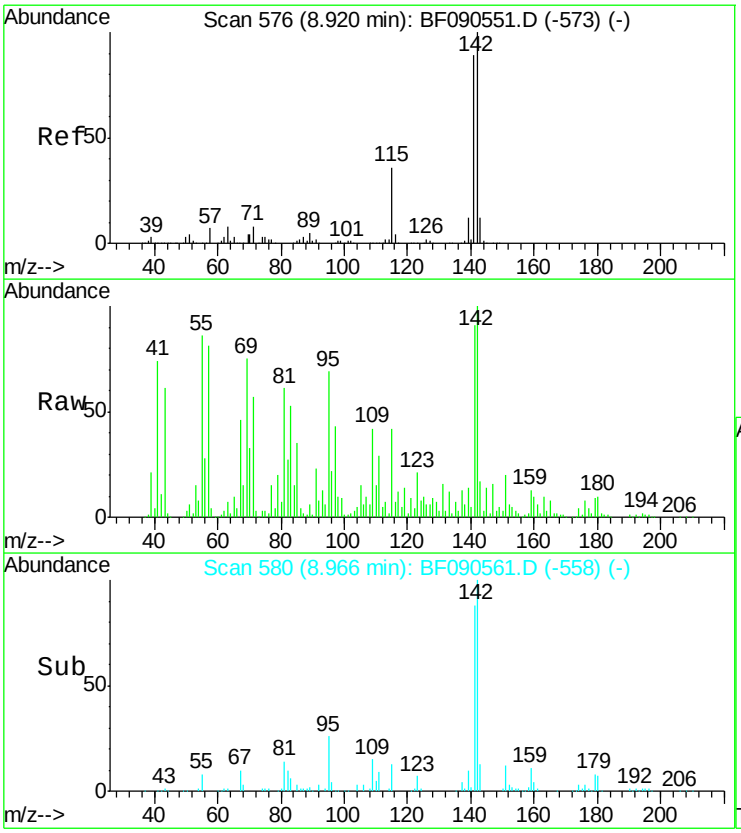
Tgt Ion: 82 Resp: 628677

Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.3	51.5
54	45.8	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

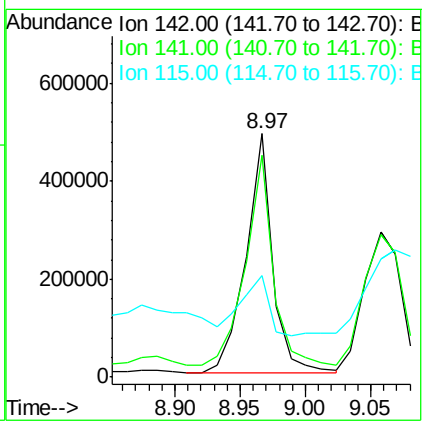
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

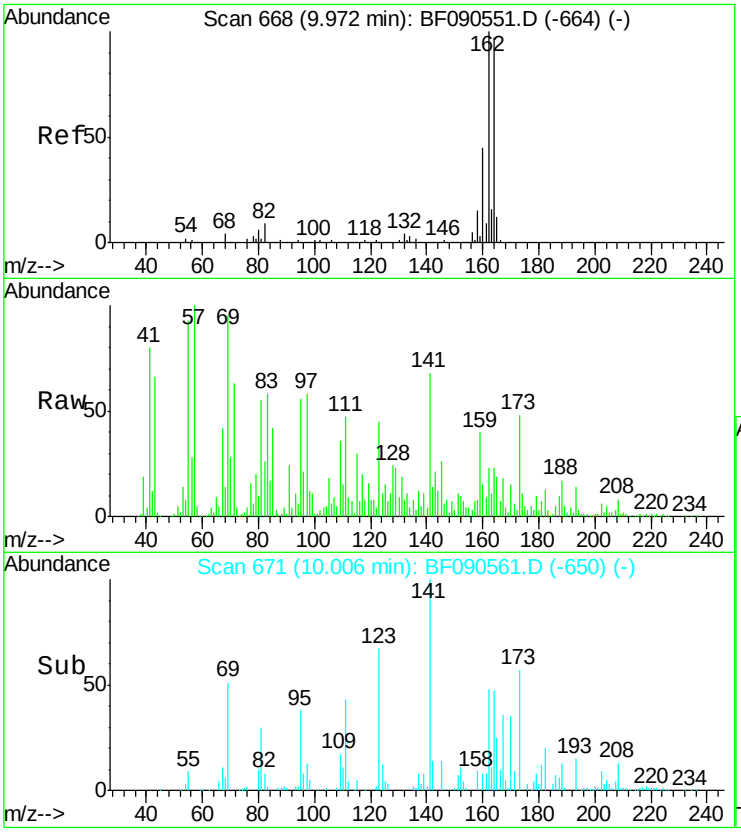


#37
2-Methylnaphthalene
Concen: 57.24 ng
RT: 8.97 min Scan# 580
Delta R.T. 0.05 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:142 Resp: 699210

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.3	106.9
115	41.6	28.8	43.2

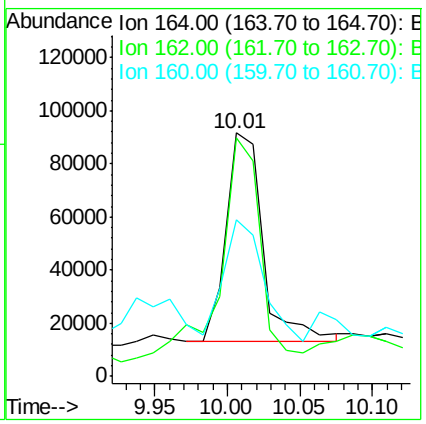




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.03 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

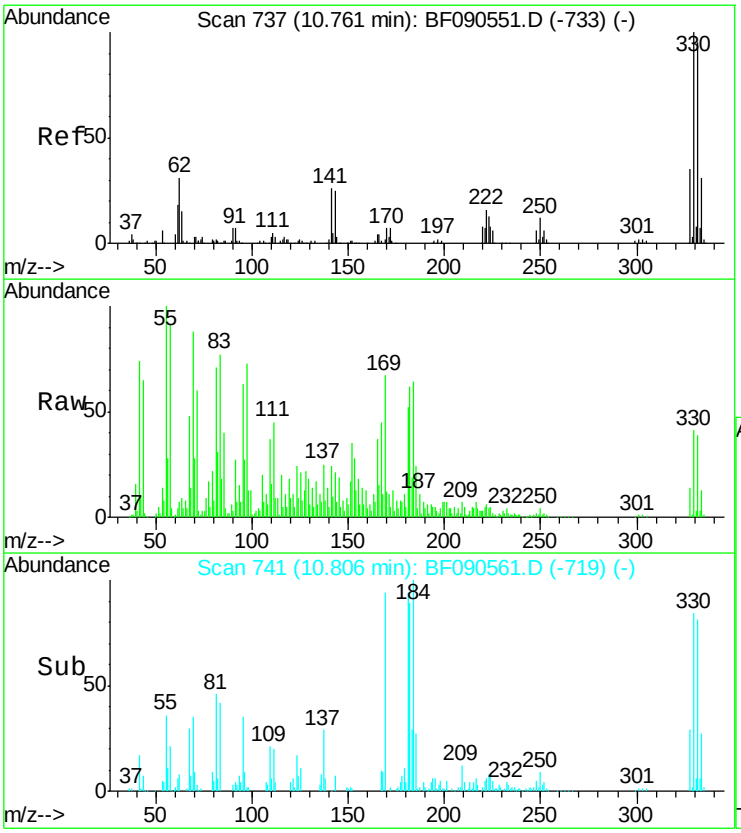
Tgt Ion:164 Resp: 139893

Ion	Ratio	Lower	Upper
164	100		
162	98.1	82.2	123.4
160	64.2	36.6	55.0#



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

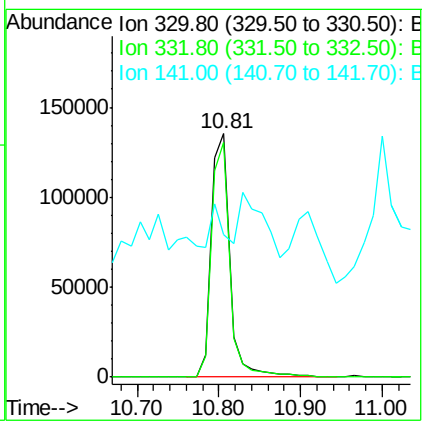
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

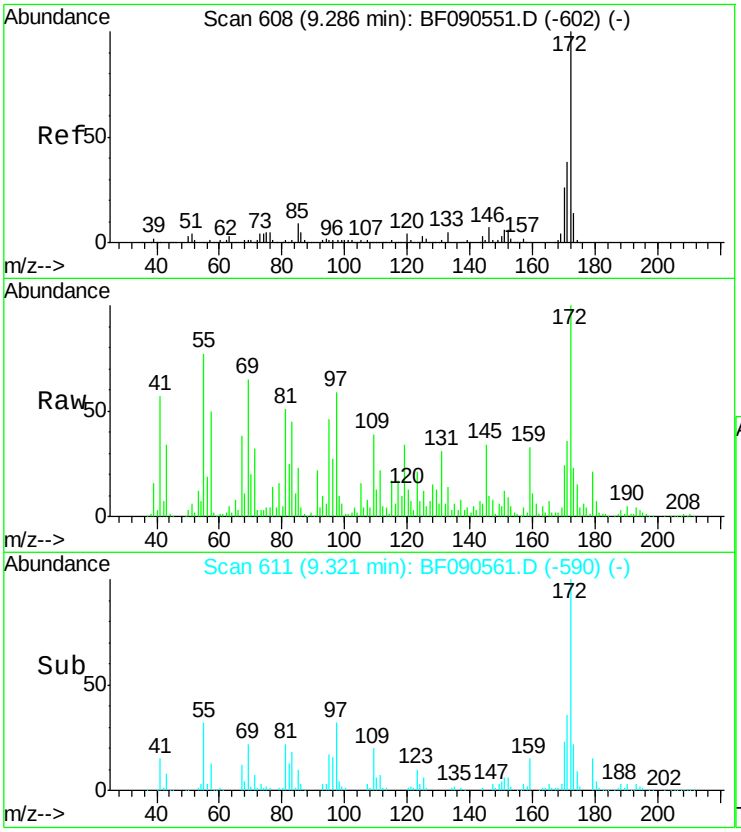


#41
2,4,6-Tribromophenol
Concen: 172.76 ng
RT: 10.81 min Scan# 741
Delta R.T. 0.05 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:330 Resp: 215465

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.2	114.2
141	23.9	31.4	47.2#

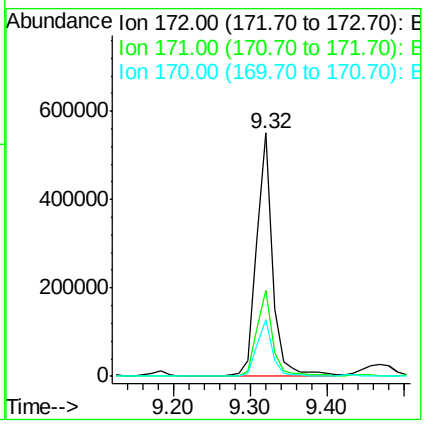




#44
2-Fluorobiphenyl
Concen: 92.72 ng
RT: 9.32 min Scan# 611
Delta R.T. 0.03 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

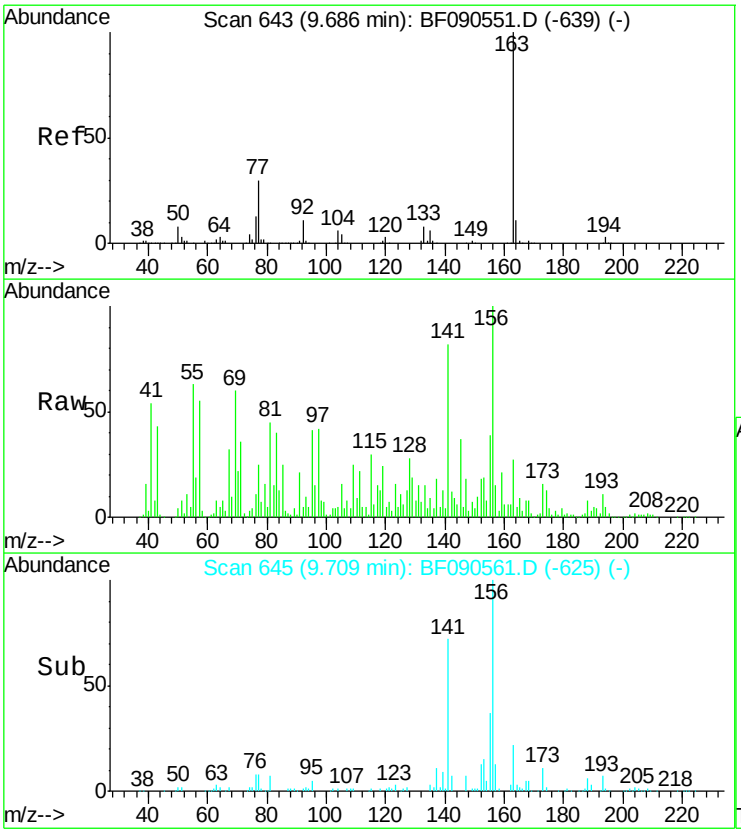
Tgt Ion:172 Resp: 787229

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.1	45.1
170	23.5	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

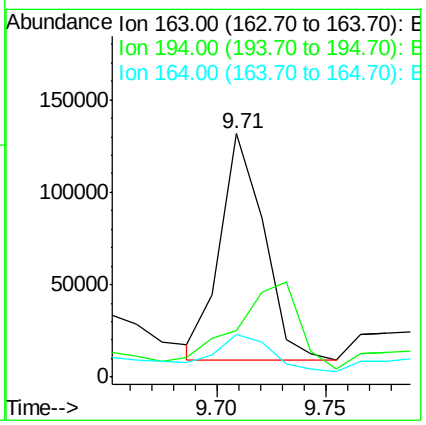
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

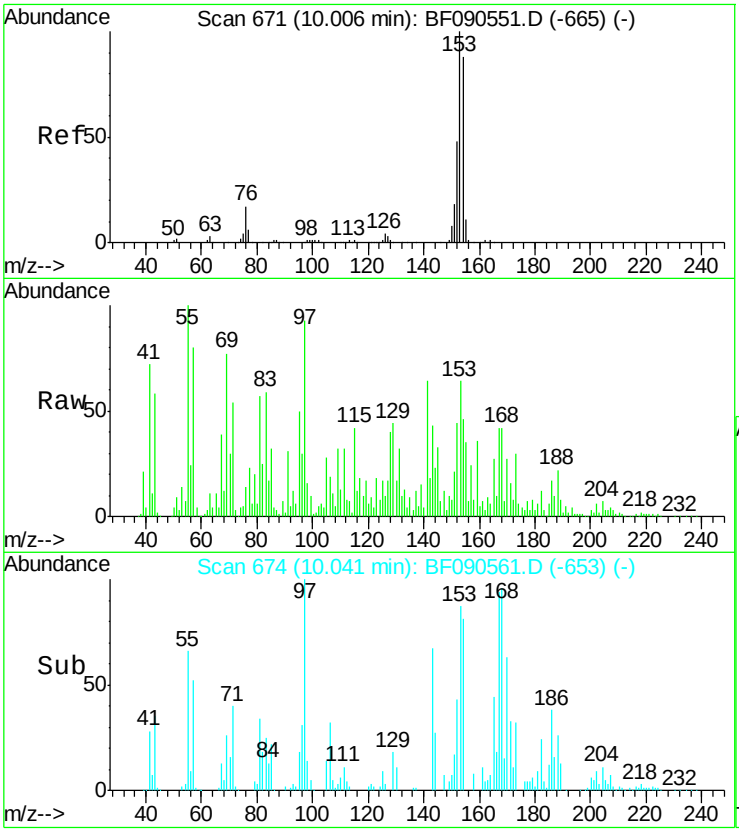


#49
Dimethylphthalate
Concen: 18.82 ng
RT: 9.71 min Scan# 645
Delta R.T. 0.02 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:163 Resp: 170794

Ion	Ratio	Lower	Upper
163	100		
194	19.3	2.3	3.5#
164	17.5	8.6	13.0#

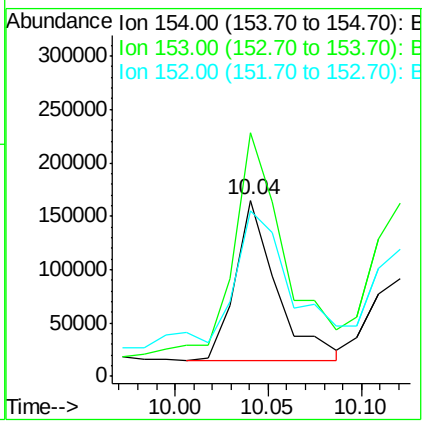




#51
Acenaphthene
Concen: 27.42 ng
RT: 10.04 min Scan# 674
Delta R.T. 0.03 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

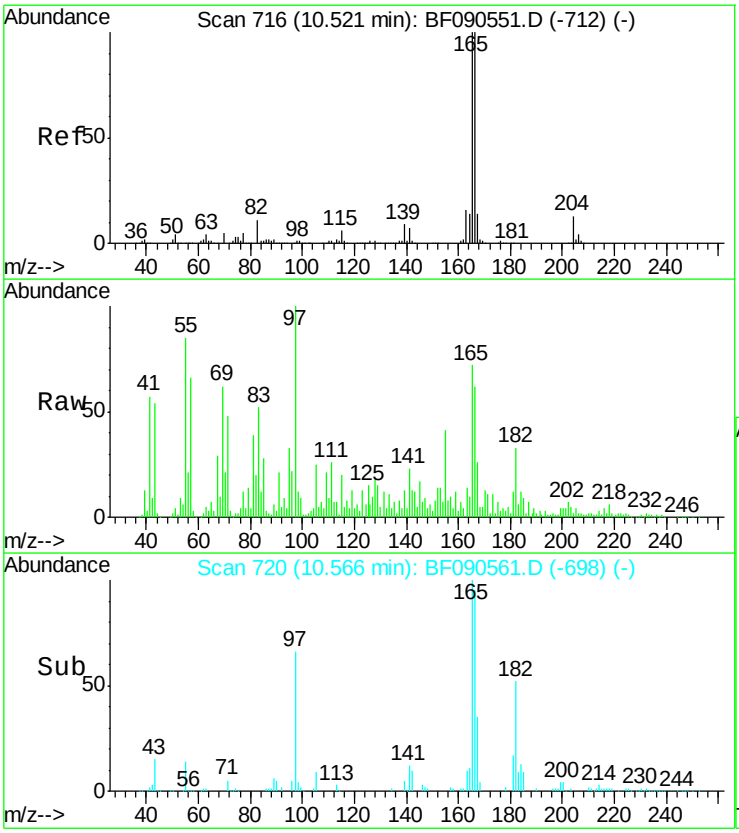
Tgt Ion:154 Resp: 230342

Ion	Ratio	Lower	Upper
154	100		
153	138.5	91.2	136.8#
152	94.2	44.0	66.0#



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

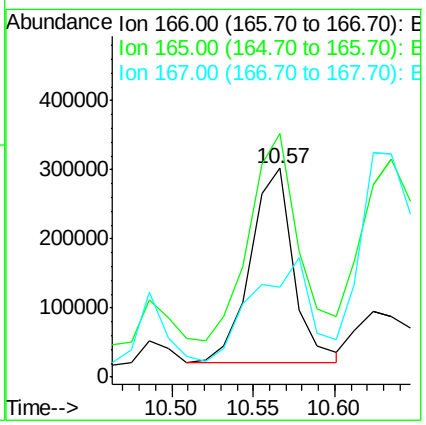
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

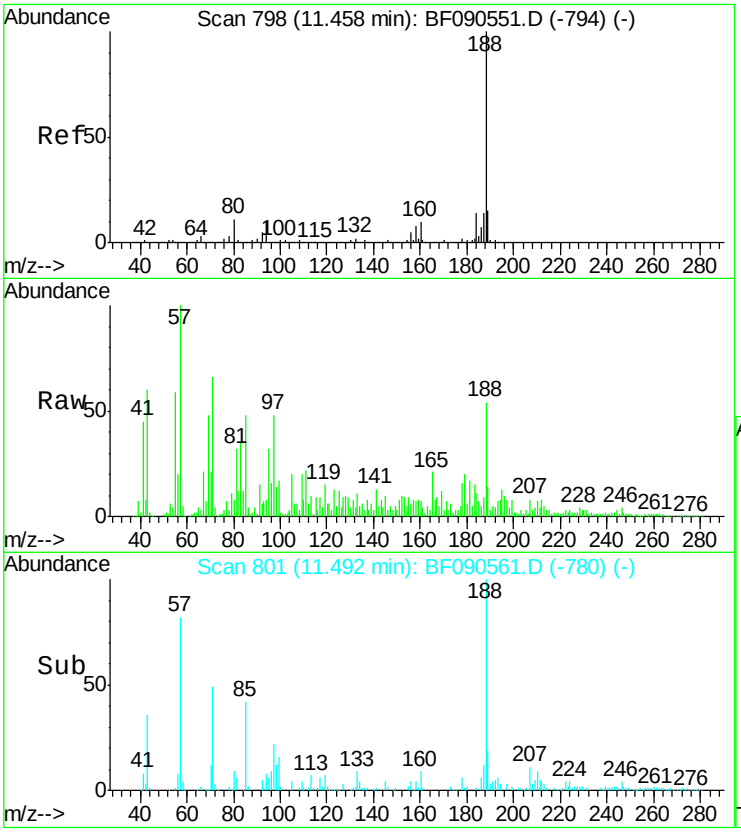


#57
Fluorene
Concen: 56.29 ng
RT: 10.57 min Scan# 720
Delta R.T. 0.05 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:166 Resp: 513139

Ion	Ratio	Lower	Upper
166	100		
165	116.5	79.9	119.9
167	42.9	10.9	16.3#

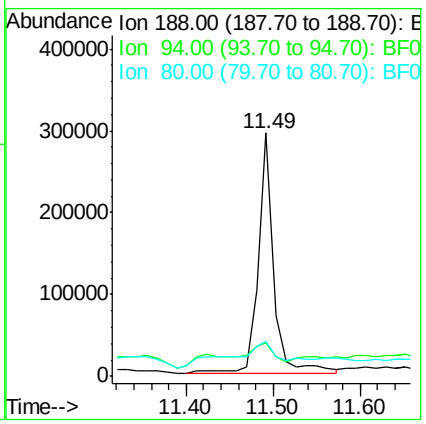




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.03 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

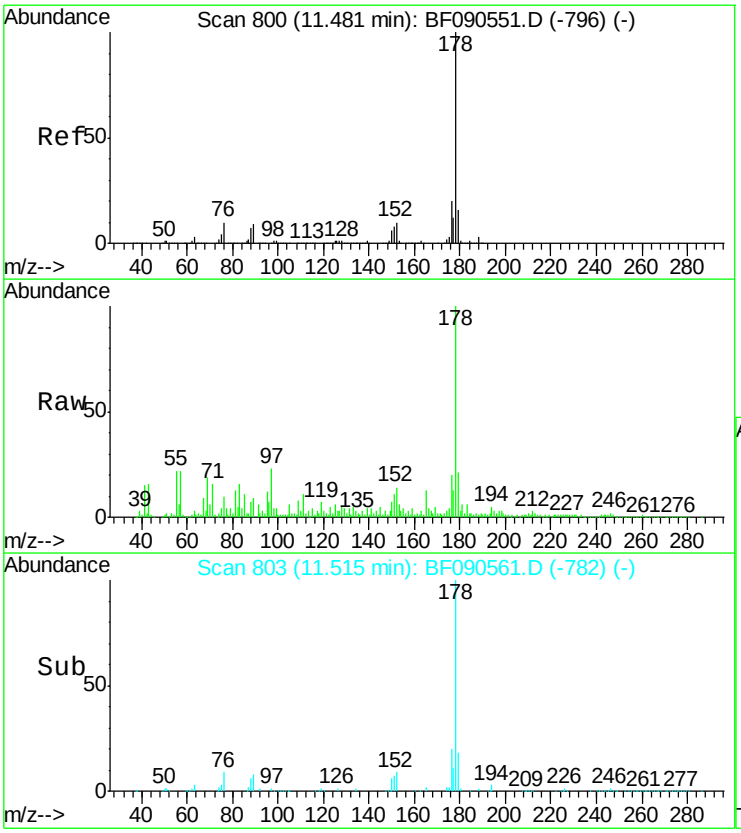
Tgt Ion:188 Resp: 379607

Ion	Ratio	Lower	Upper
188	100		
94	14.0	7.7	11.5#
80	14.6	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

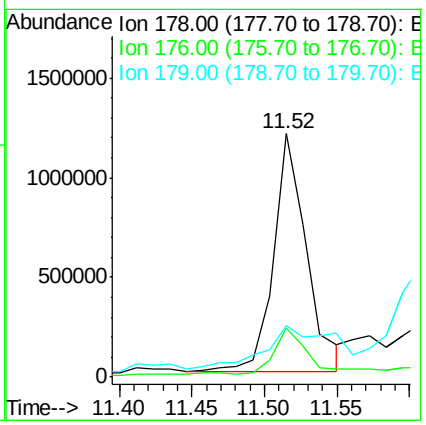
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

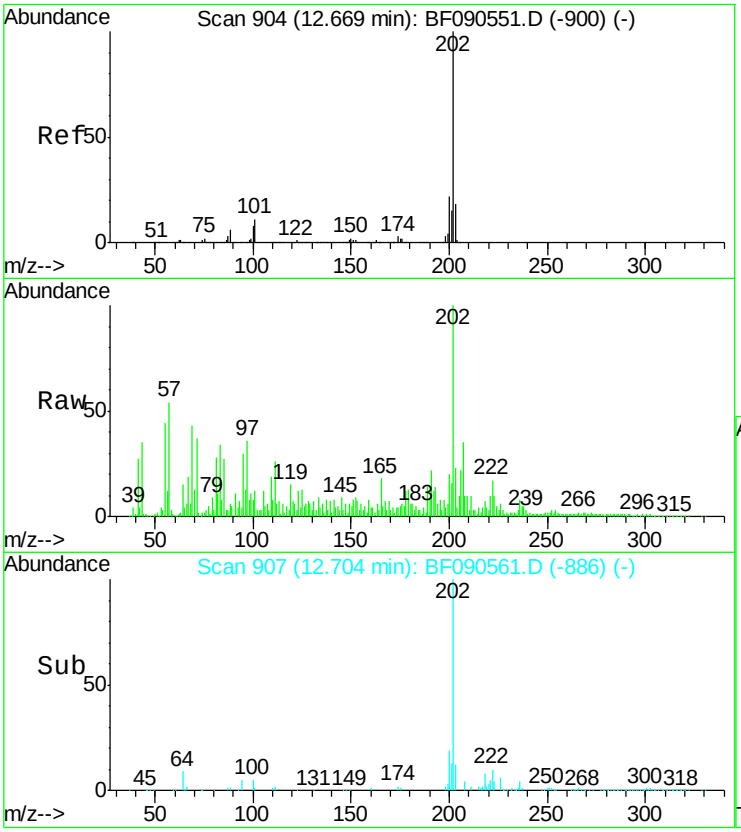


#70
Phenanthrene
Concen: 93.35 ng
RT: 11.52 min Scan# 803
Delta R.T. 0.03 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:178 Resp: 1891649

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.1	24.1
179	21.0	12.6	19.0#

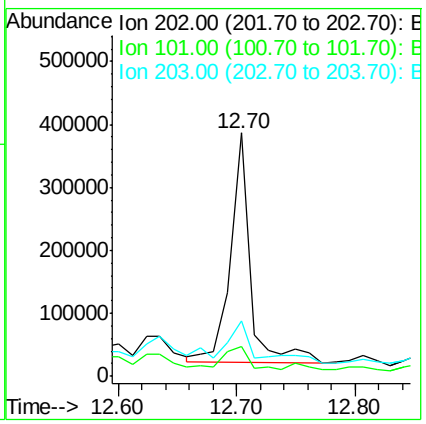




#74
Fluoranthene
Concen: 21.04 ng
RT: 12.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

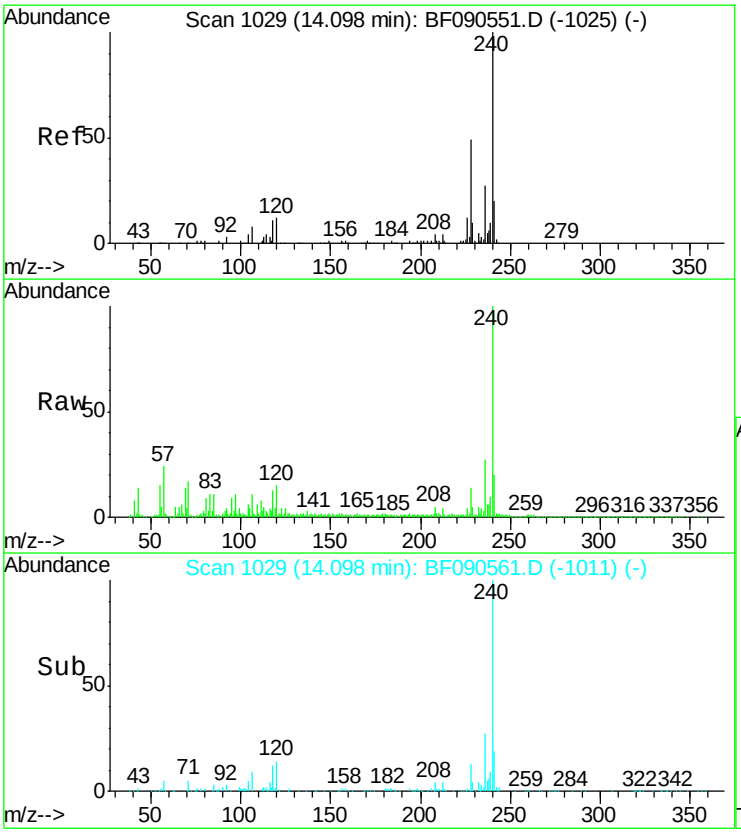
Tgt Ion:202 Resp: 428922

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.1
203	22.6	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

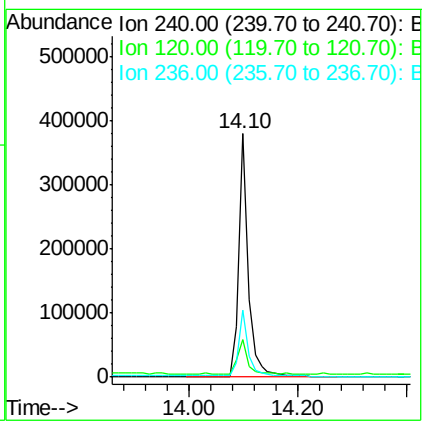
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

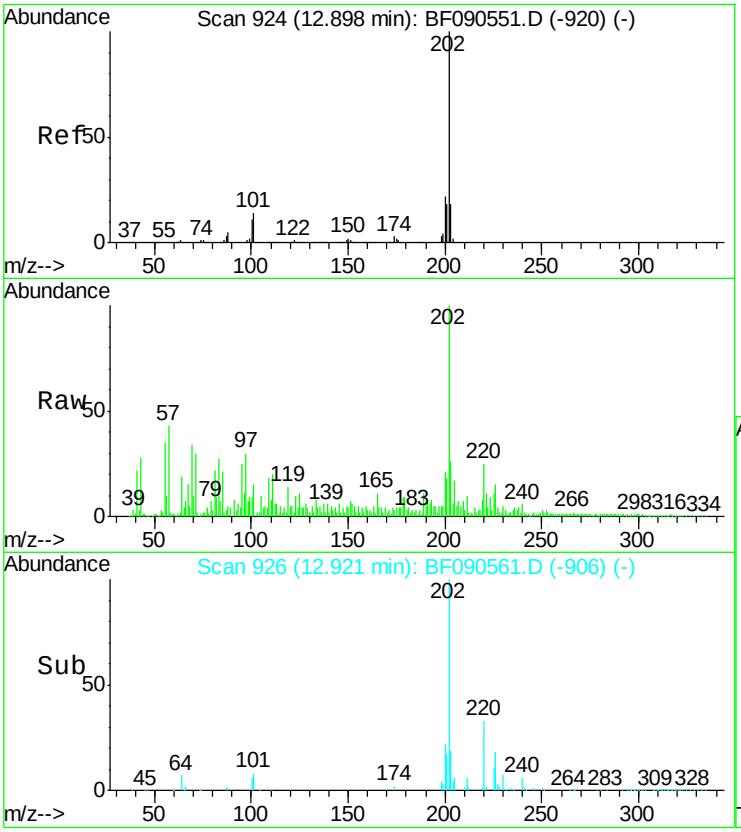


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.10 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:240 Resp: 451138

Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.8	14.8#
236	27.3	21.7	32.5

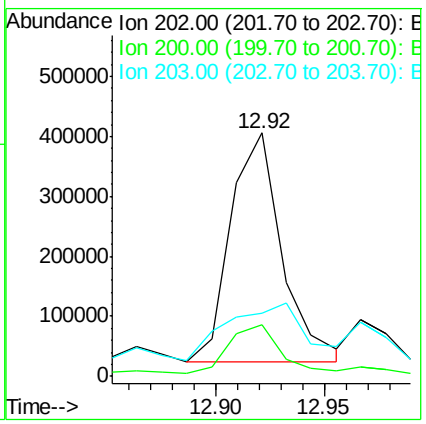




#77
Pyrene
Concen: 21.09 ng
RT: 12.92 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

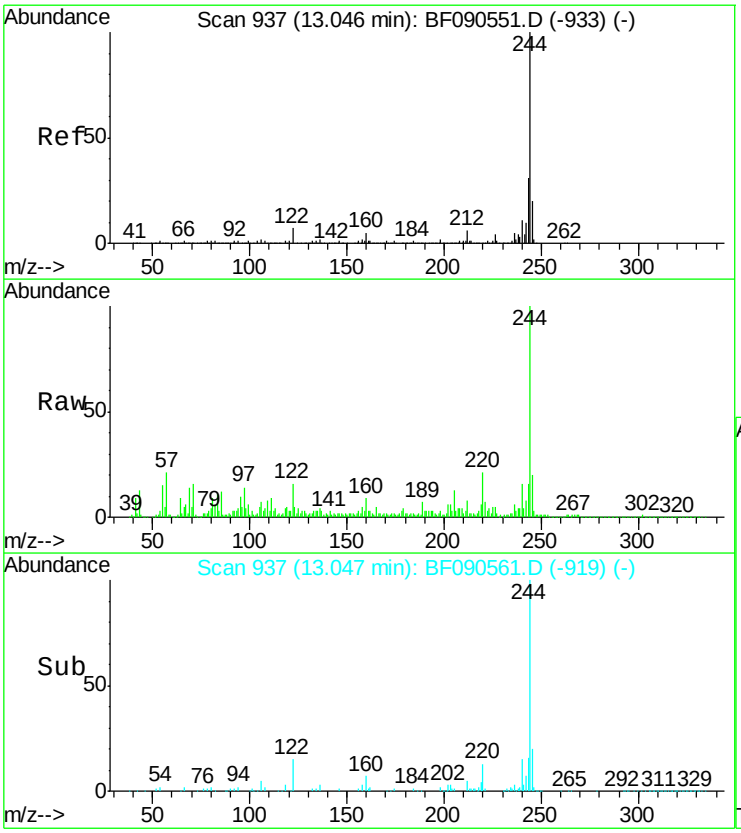
Tgt Ion:202 Resp: 630083

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	26.0	14.6	21.8#



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

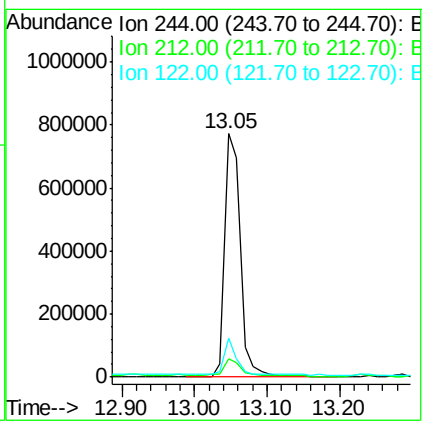
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

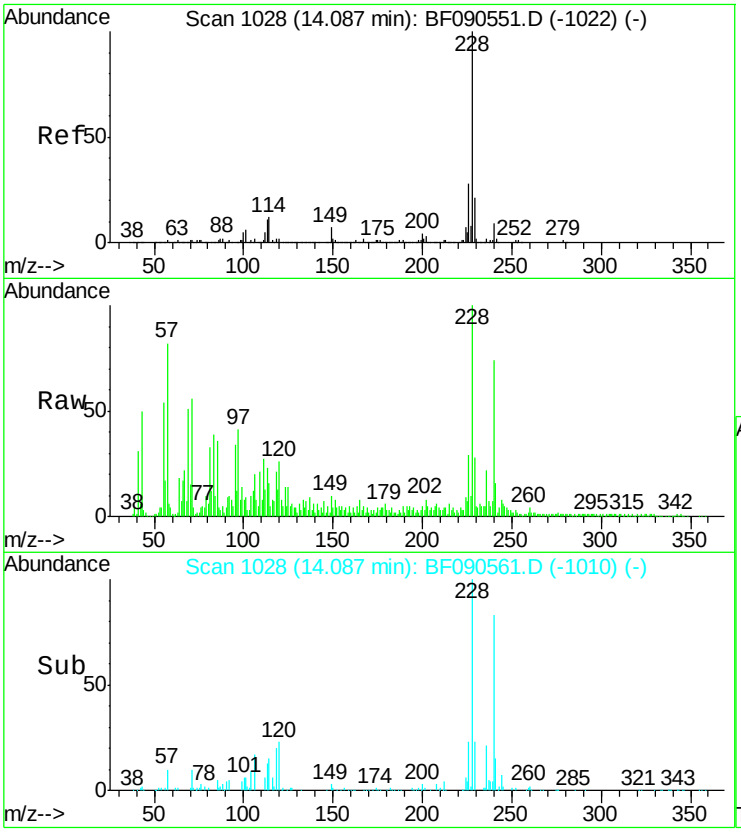


#78
Terphenyl-d14
Concen: 59.29 ng
RT: 13.05 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:244 Resp: 1148733

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.0	7.4#
122	16.1	5.6	8.4#

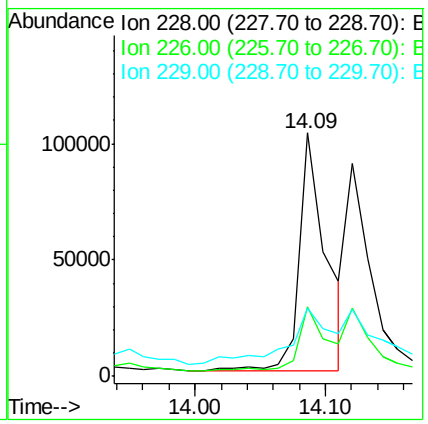




#80
Benzo(a)anthracene
Concen: 5.71 ng
RT: 14.09 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

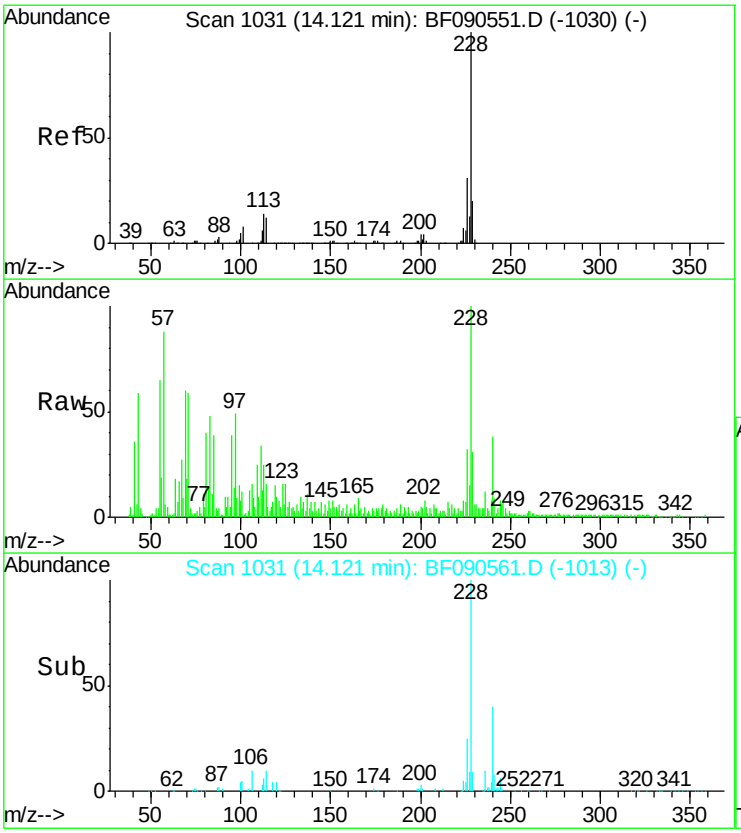
Tgt Ion:228 Resp: 146540

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.8	34.2
229	28.1	16.6	25.0#



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

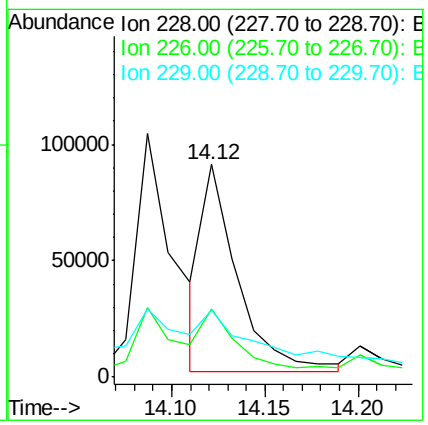
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

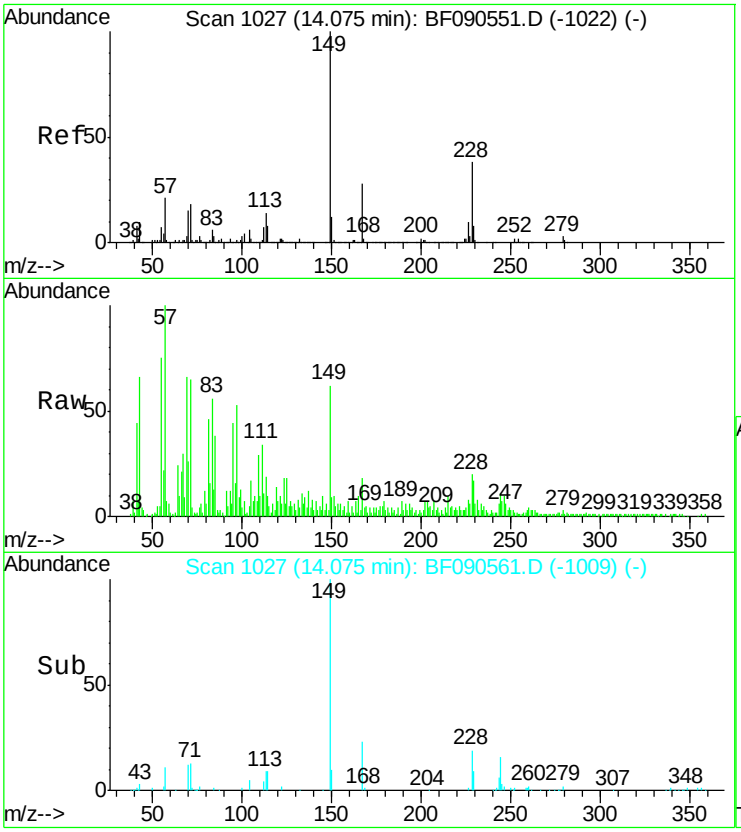


#82
Chrysene
Concen: 4.90 ng m
RT: 14.12 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:228 Resp: 121154

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.8	37.2
229	31.2	16.2	24.4#





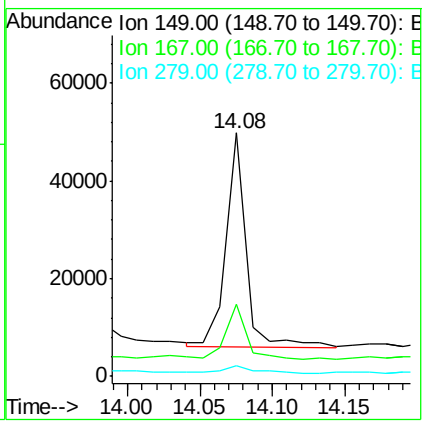
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.34 ng
RT: 14.08 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

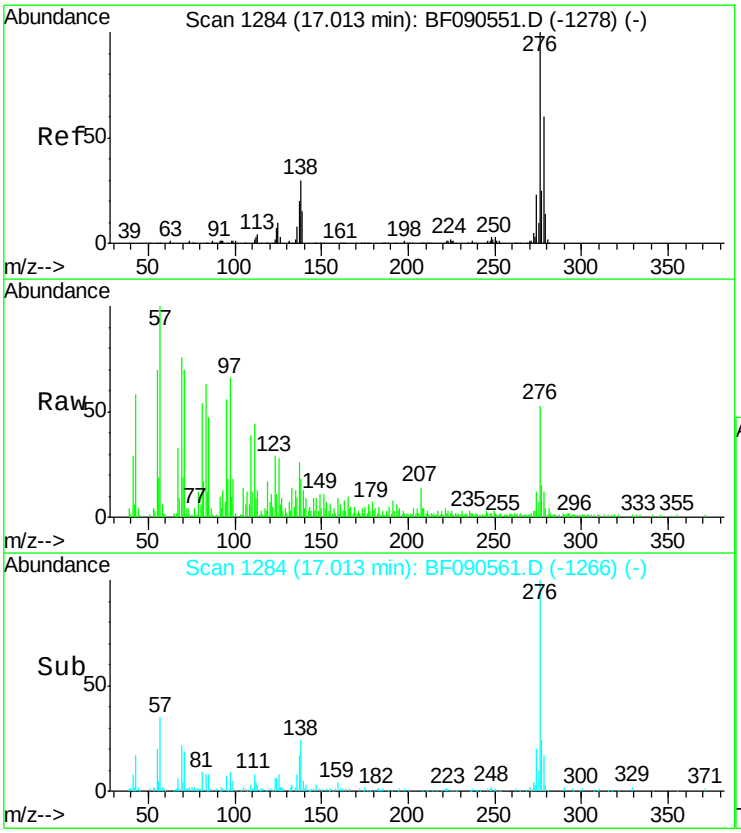
Tgt Ion:149 Resp: 41821

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.1	33.1
279	4.5	2.6	4.0#

Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

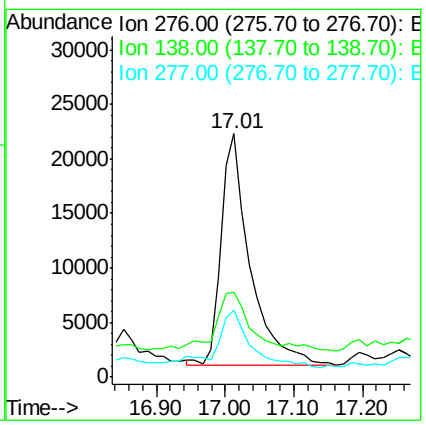


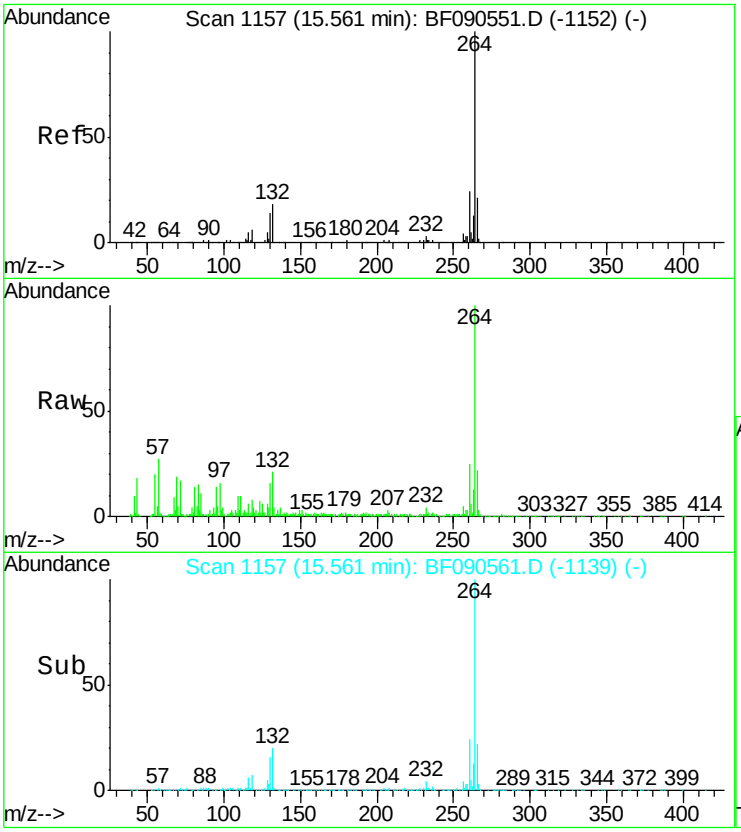


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.36 ng
RT: 17.01 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:276 Resp: 62446

Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.8	38.6
277	30.9	20.1	30.1#

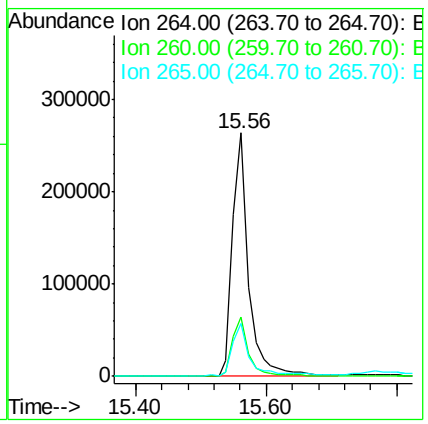




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

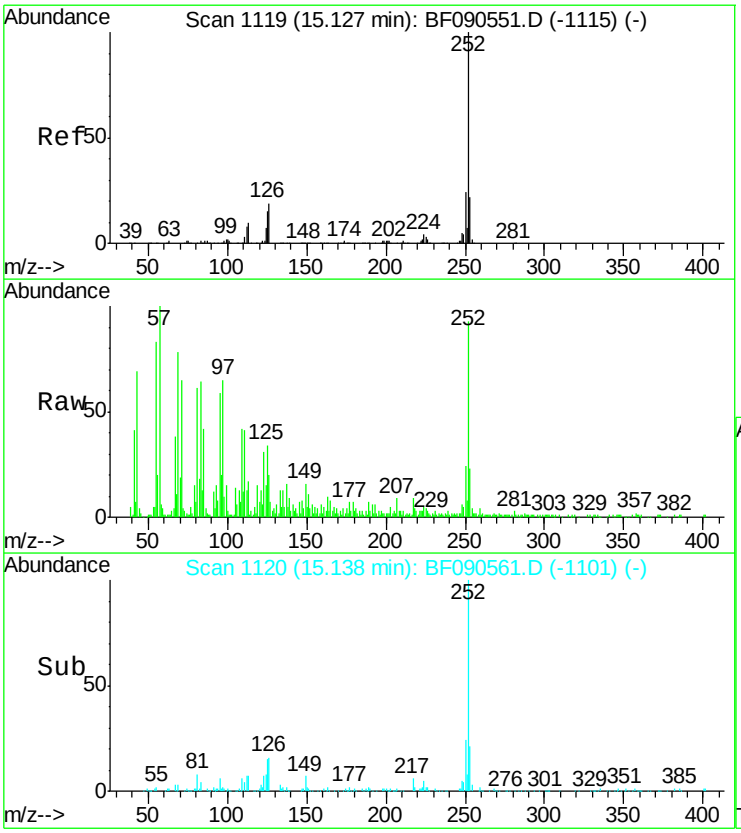
Tgt Ion:264 Resp: 443925

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	21.8	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

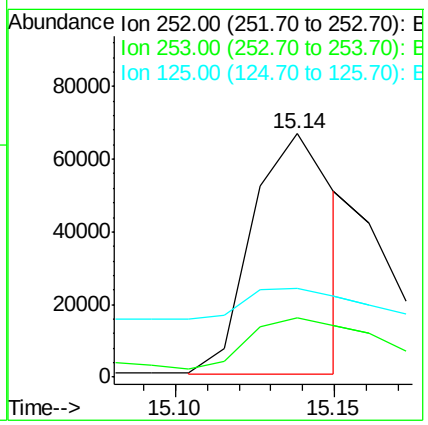
Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM

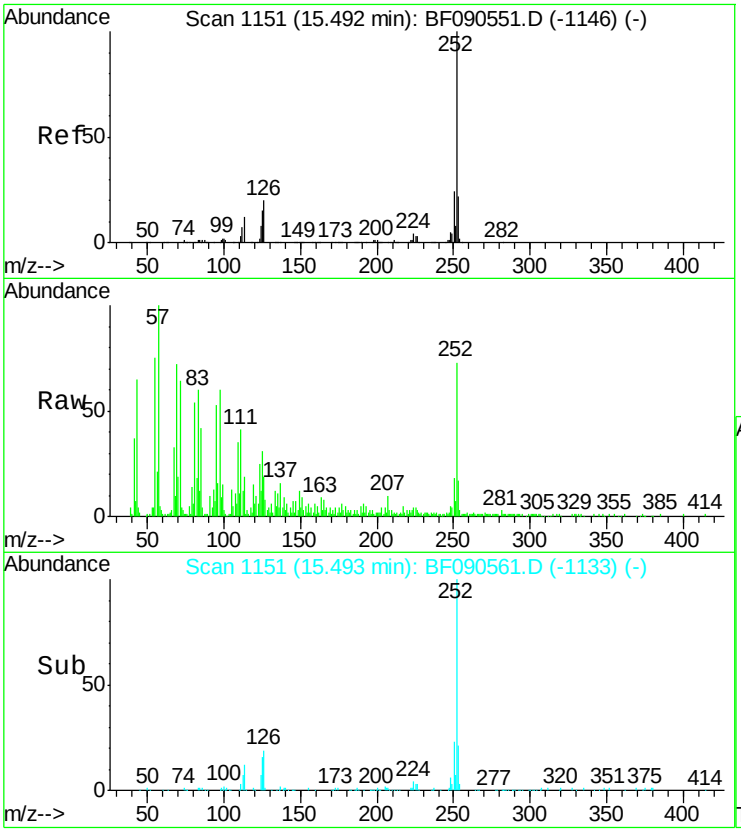


#87
Benzo(b)fluoranthene
Concen: 4.16 ng m
RT: 15.14 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:252 Resp: 120986

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	36.3	12.0	18.0#





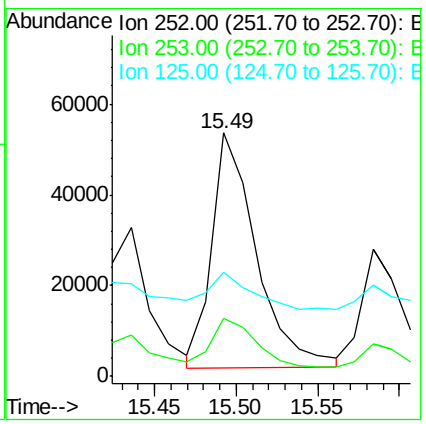
#89
Benzo(a)pyrene
Concen: 3.69 ng
RT: 15.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

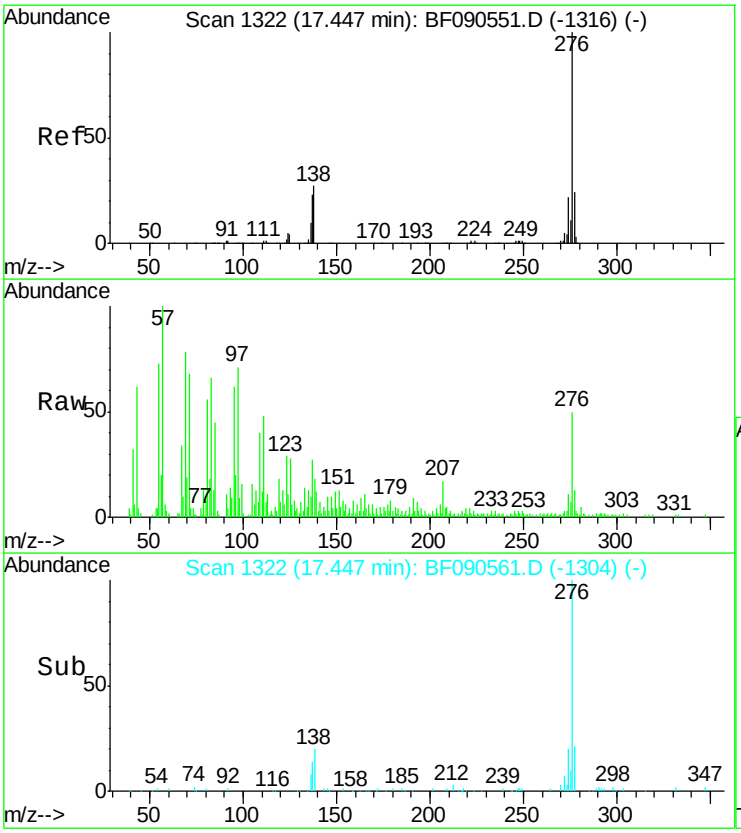
Tgt Ion:252 Resp: 98133

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	42.6	12.3	18.5#

Instrument :
BNA_F
ClientSampleId :
MJSB-17(6-8)

Manual Integrations APPROVED
Umangi
10/14/2016 6:45:32 PM





#91
Benzo(g,h,i)perylene
Concen: 2.93 ng
RT: 17.45 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF090561.D
Acq: 14 Oct 2016 11:07

Tgt Ion:276 Resp: 56620

Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.8	28.2
138	35.7	21.8	32.8#