Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF088999.D
Acq On : 14 Jul 2016 21:50
Operator : UM/SJ
Sample : H3996-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C7-B1(0-12)C

Manual Integrations APPROVED
sohil
7/15/2016 7:27:16 PM

Quant Time: Jul 15 14:17:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	48346	20.00	ng		-0.02
21) Naphthalene-d8	7.98	136	211058	20.00	ng		-0.02
38) Acenaphthene-d10	9.71	164	97769	20.00	ng		-0.03
63) Phenanthrene-d10	11.19	188	180676	20.00	ng		-0.03
75) Chrysene-d12	13.82	240	138792	20.00	ng		-0.03
86) Perylene-d12	15.18	264	109920	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.28	112	373848	115.89	ng		-0.01
7) Phenol-d6	6.34	99	510776	122.54	ng		-0.01
23) Nitrobenzene-d5	7.26	82	354754	88.08	ng		-0.02
41) 2,4,6-Tribromophenol	10.50	330	106252	117.03	ng		-0.03
44) 2-Fluorobiphenyl	9.05	172	564154	91.15	ng		-0.02
78) Terphenyl-d14	12.78	244	422473	67.80	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.35	94	9723	2.04	ng		85
37) 2-Methylnaphthalene	8.68	142	13604	2.03	ng	#	95
49) Dimethylphthalate	9.44	163	103461	14.85	ng		99
70) Phenanthrene	11.21	178	44956	4.55	ng		99
74) Fluoranthene	12.40	202	50228	5.02	ng		91
77) Pyrene	12.62	202	39720	3.38	ng		98
80) Benzo(a)anthracene	13.81	228	18333	2.05	ng		96
82) Chrysene	13.84	228	18794m	2.13	ng		
83) Bis(2-ethylhexyl)phthalate	13.82	149	14747	2.46	ng	#	100
87) Benzo(b)fluoranthene	14.80	252	25487m	3.70	ng		
89) Benzo(a)pyrene	15.12	252	13753	2.36	ng	#	91
91) Benzo(g,h,i)perylene	16.82	276	10598	2.10	ng		94

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

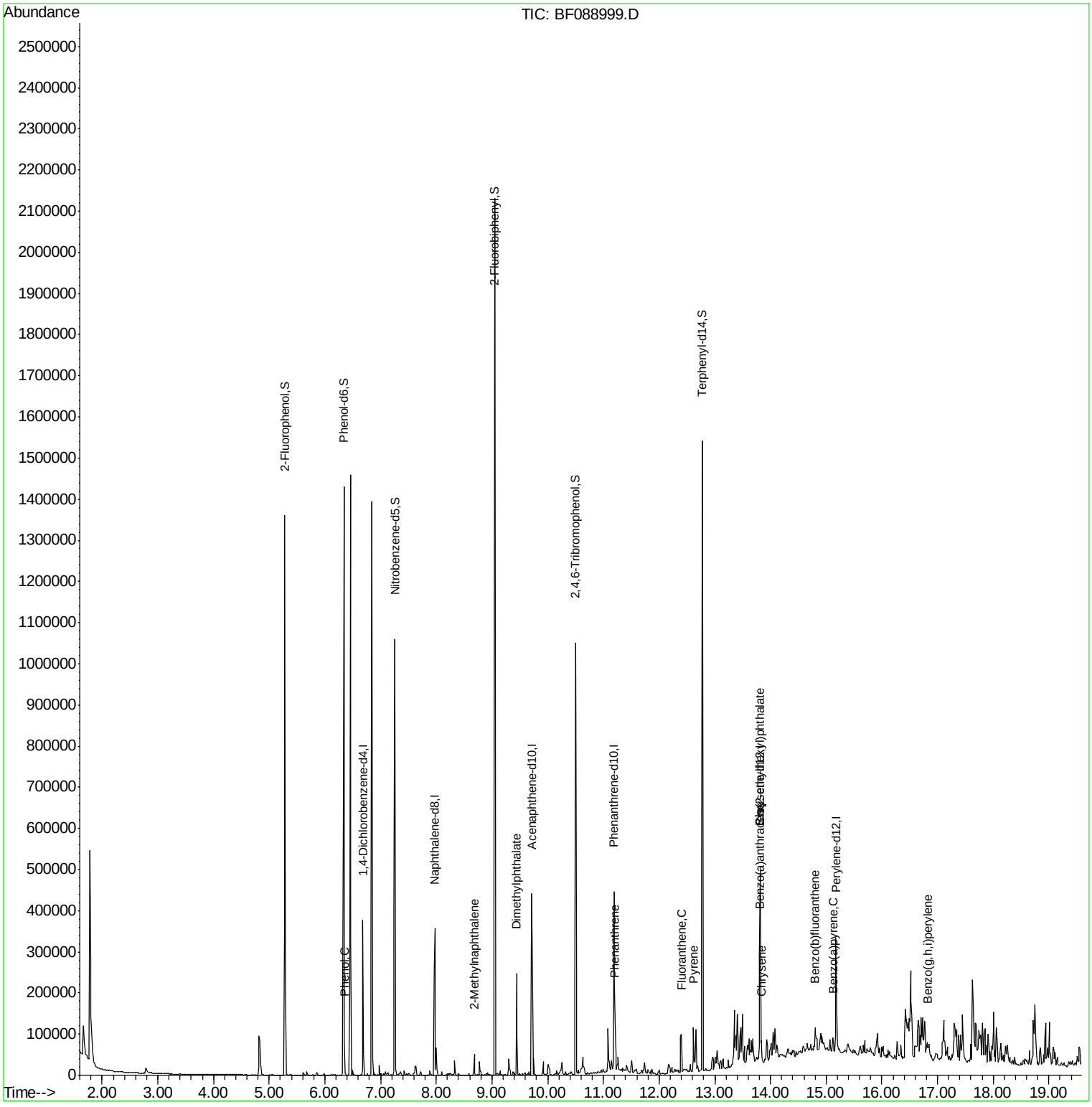
Quantitation Report (LSC Reviewed)

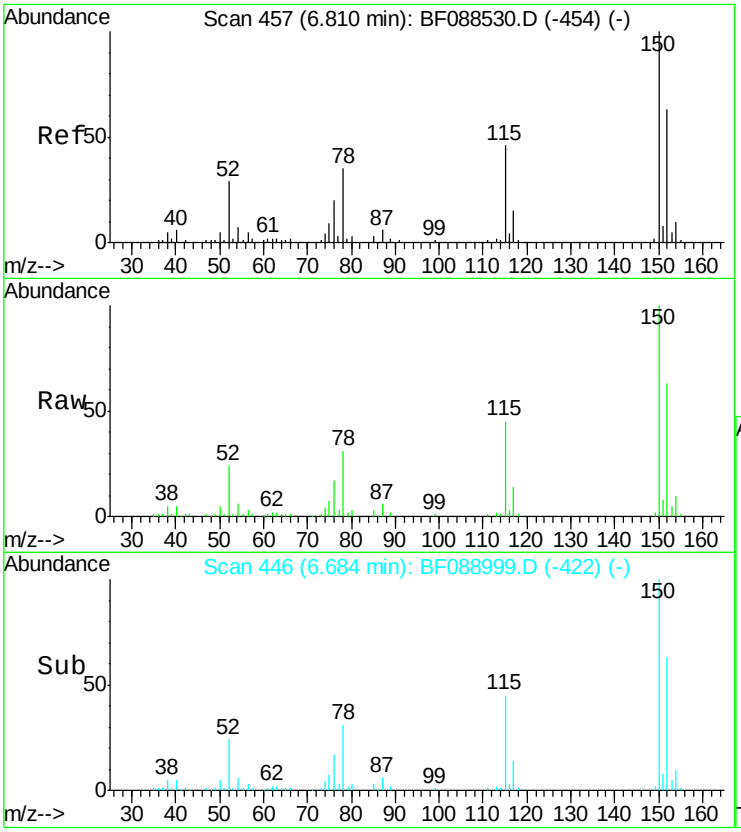
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF088999.D
Acq On : 14 Jul 2016 21:50
Operator : UM/SJ
Sample : H3996-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 15 14:17:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

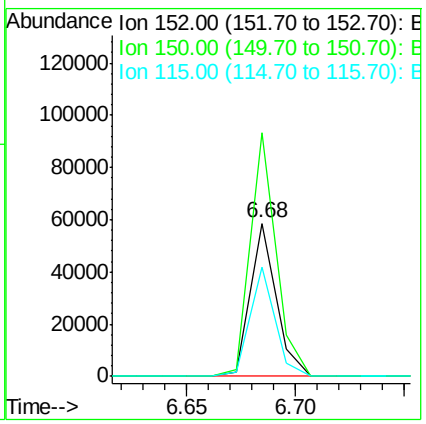




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

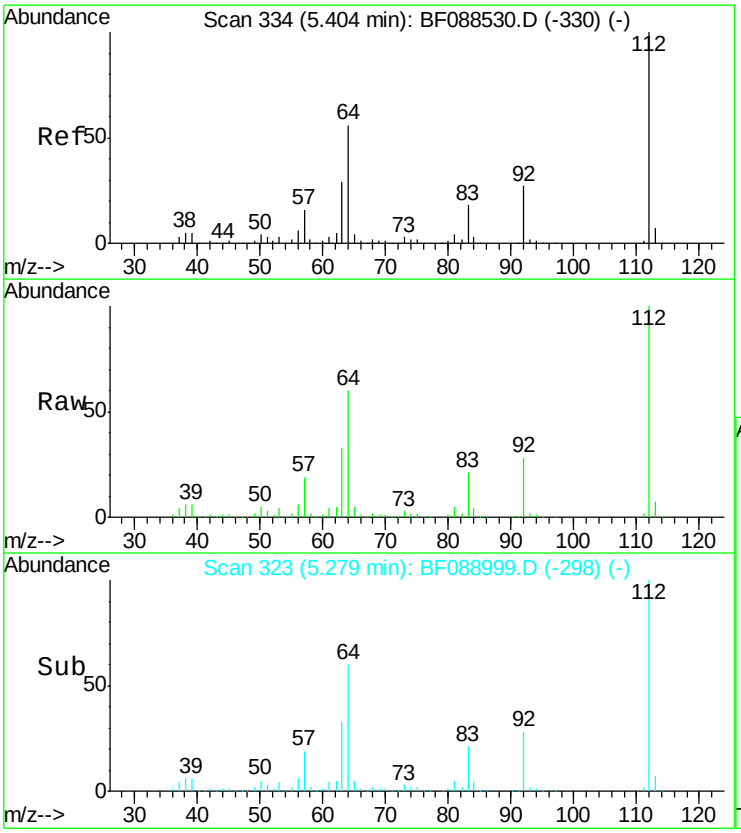
Tgt Ion:152 Resp: 48346

Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.8	185.6
115	71.5	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

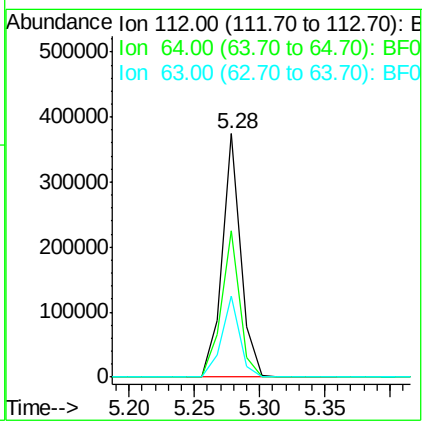
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

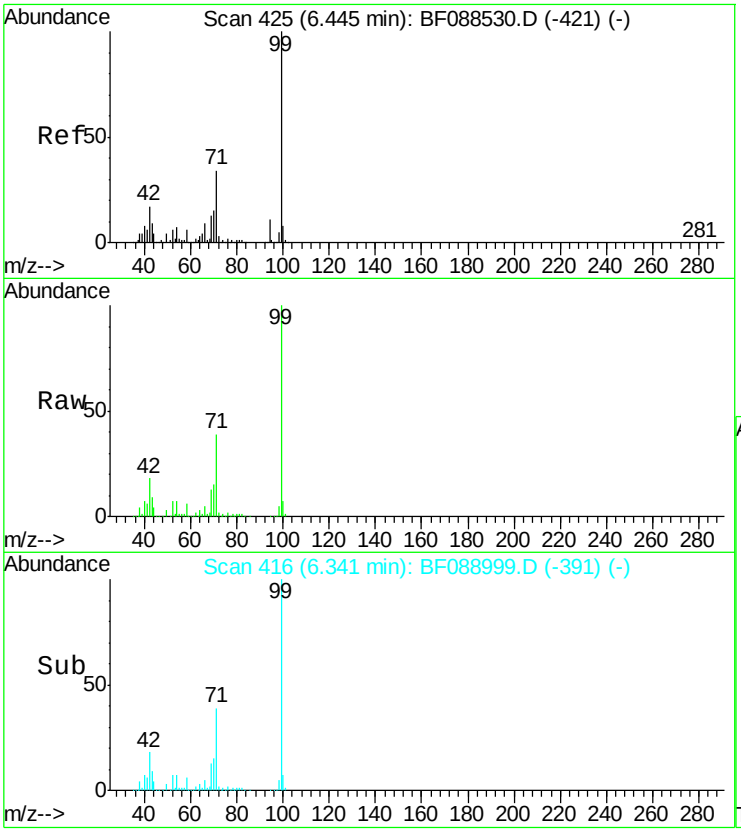


#5
2-Fluorophenol
Concen: 115.89 ng
RT: 5.28 min Scan# 323
Delta R.T. -0.01 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:112 Resp: 373848

Ion	Ratio	Lower	Upper
112	100		
64	60.2	42.2	63.2
63	33.4	21.8	32.8#

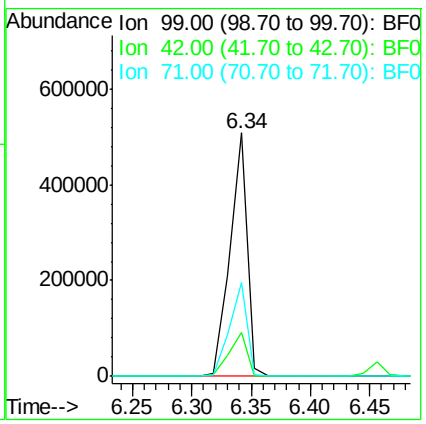




#7
Phenol-d6
Concen: 122.54 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

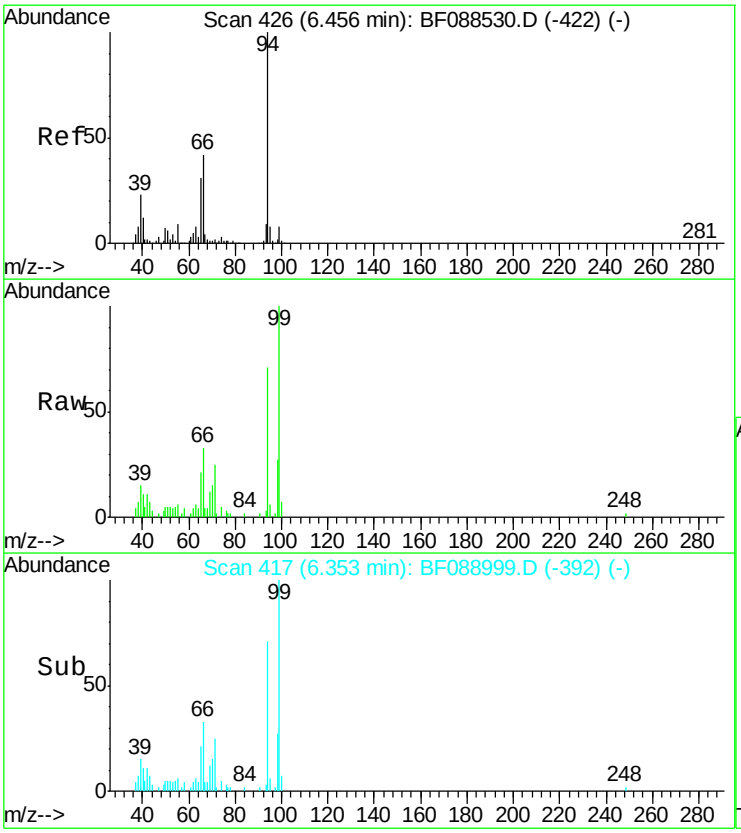
Tgt Ion: 99 Resp: 510776

Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.2	18.2
71	38.5	23.4	35.0#



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

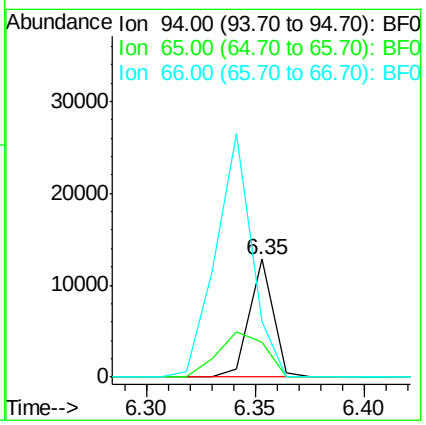
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

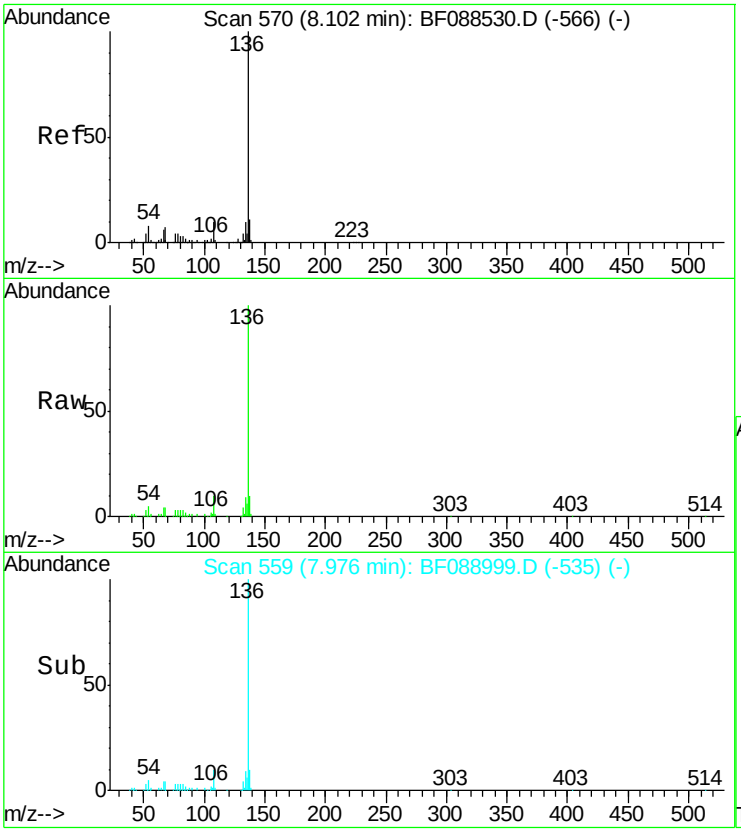


#10
Phenol
Concen: 2.04 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion: 94 Resp: 9723

Ion	Ratio	Lower	Upper
94	100		
65	29.4	5.9	45.9
66	46.6	14.0	54.0

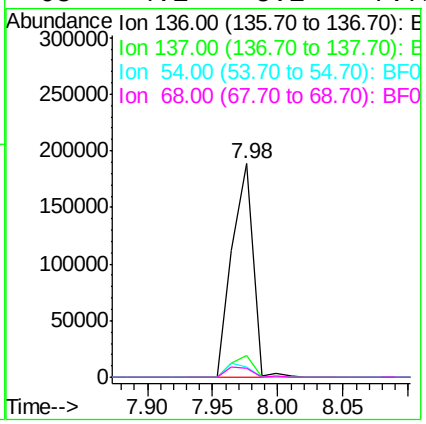




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

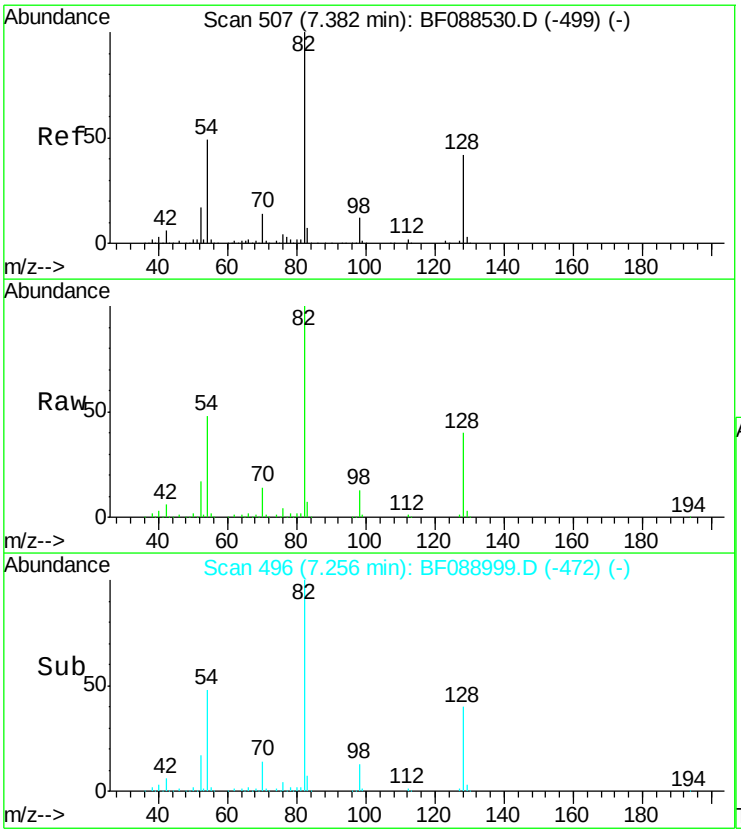
Tgt Ion:136 Resp: 211058

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.0	6.6	10.0#
68	4.1	5.1	7.7#



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

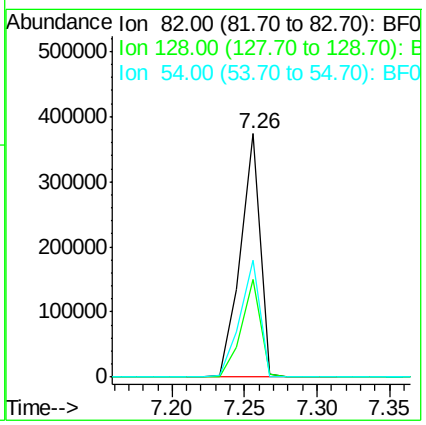
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

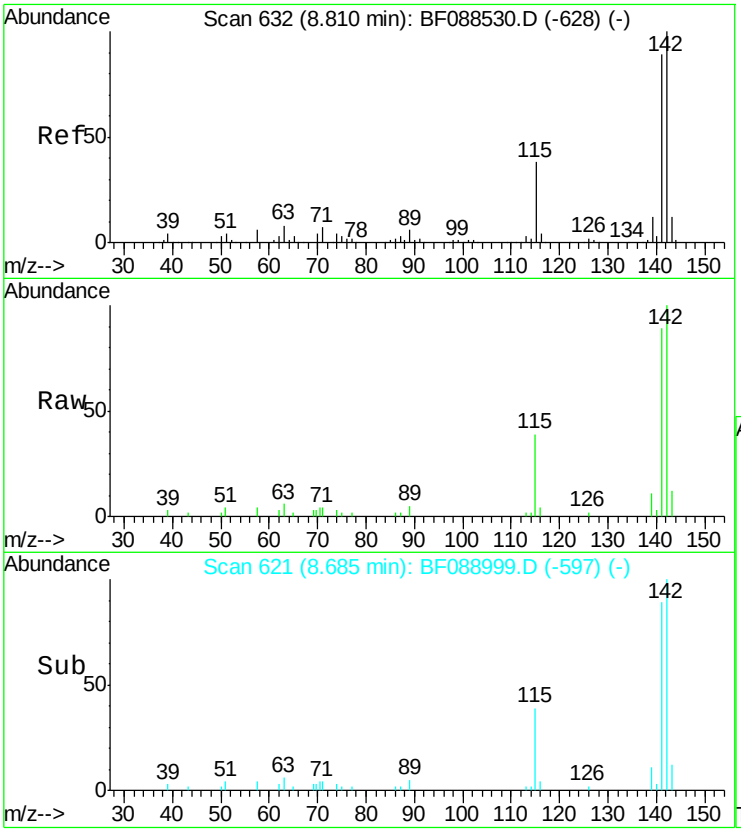


#23
Nitrobenzene-d5
Concen: 88.08 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion: 82 Resp: 354754

Ion	Ratio	Lower	Upper
82	100		
128	40.3	35.9	53.9
54	47.9	40.9	61.3

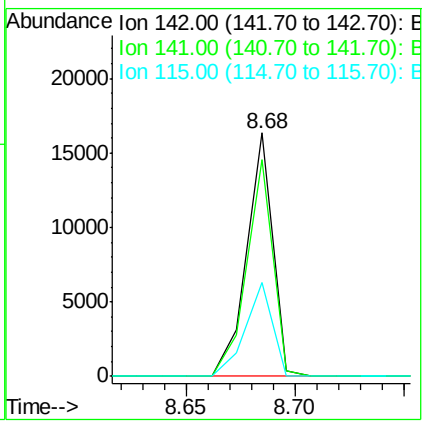




#37
2-Methylnaphthalene
Concen: 2.03 ng
RT: 8.68 min Scan# 621
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

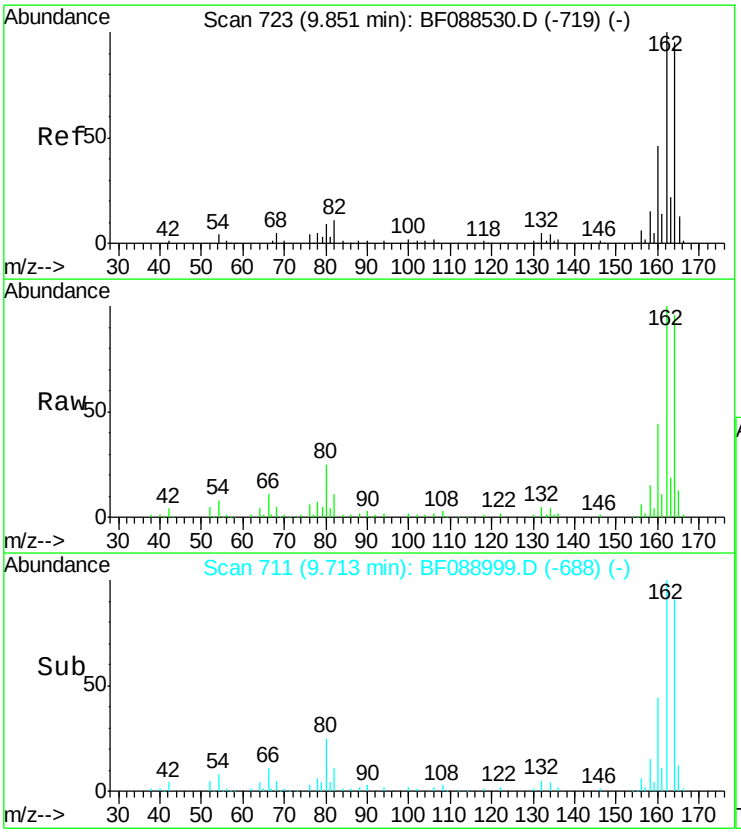
Tgt Ion:142 Resp: 13604

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	38.6	22.6	33.8#



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

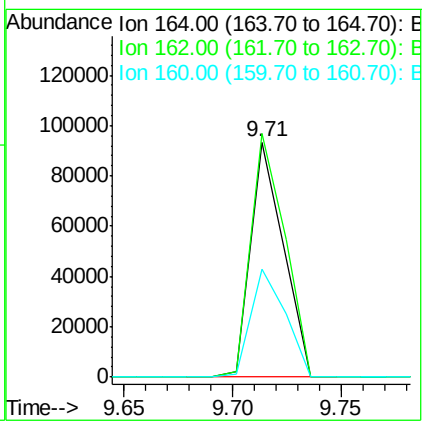
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

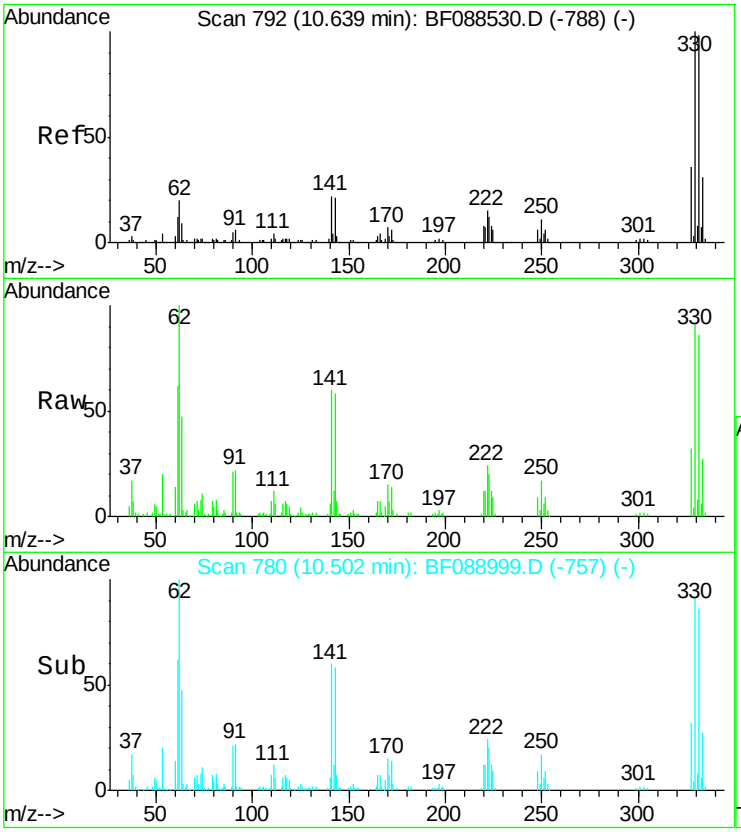


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:164 Resp: 97769

Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.4	128.2
160	46.1	39.5	59.3

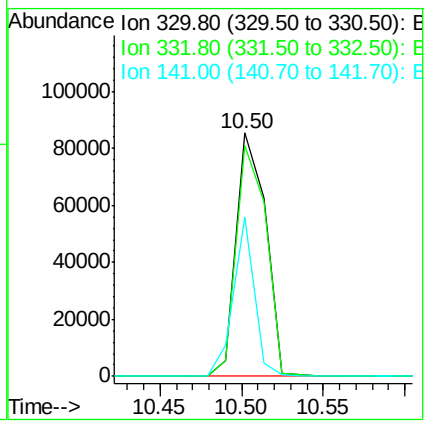




#41
2,4,6-Tribromophenol
Concen: 117.03 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

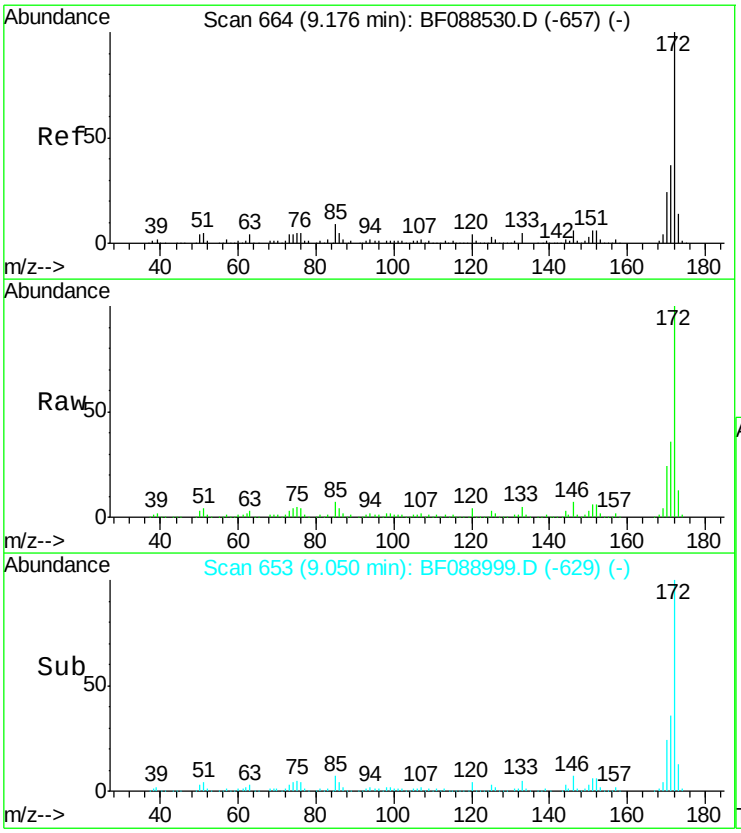
Tgt Ion:330 Resp: 106252

Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	46.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

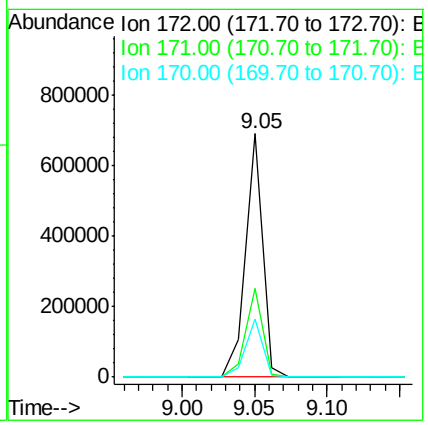
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

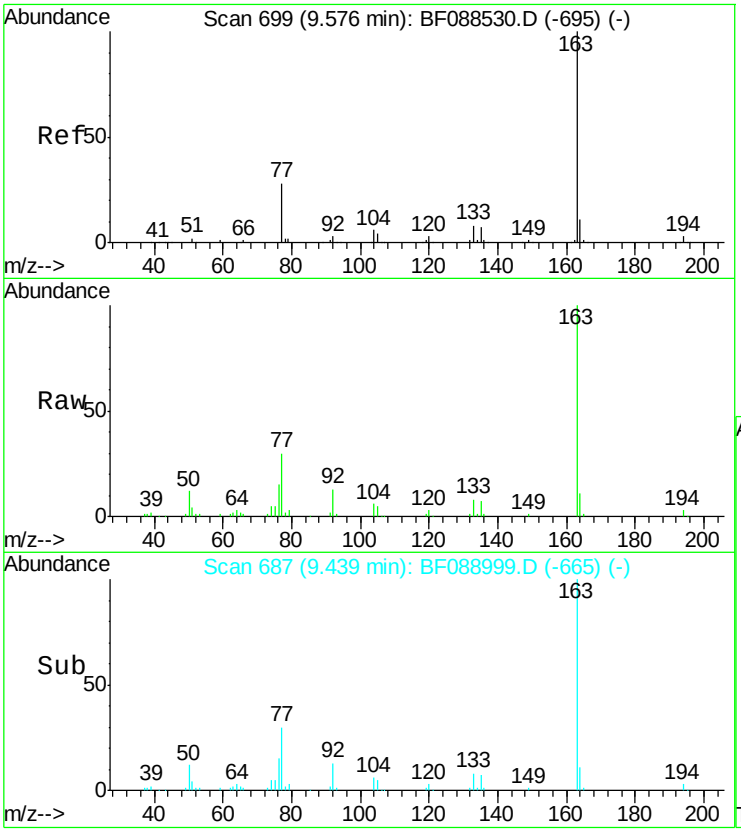


#44
2-Fluorobiphenyl
Concen: 91.15 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:172 Resp: 564154

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	23.7	19.2	28.8

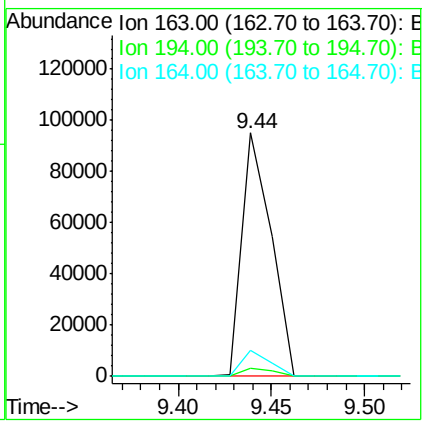




#49
Dimethylphthalate
Concen: 14.85 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

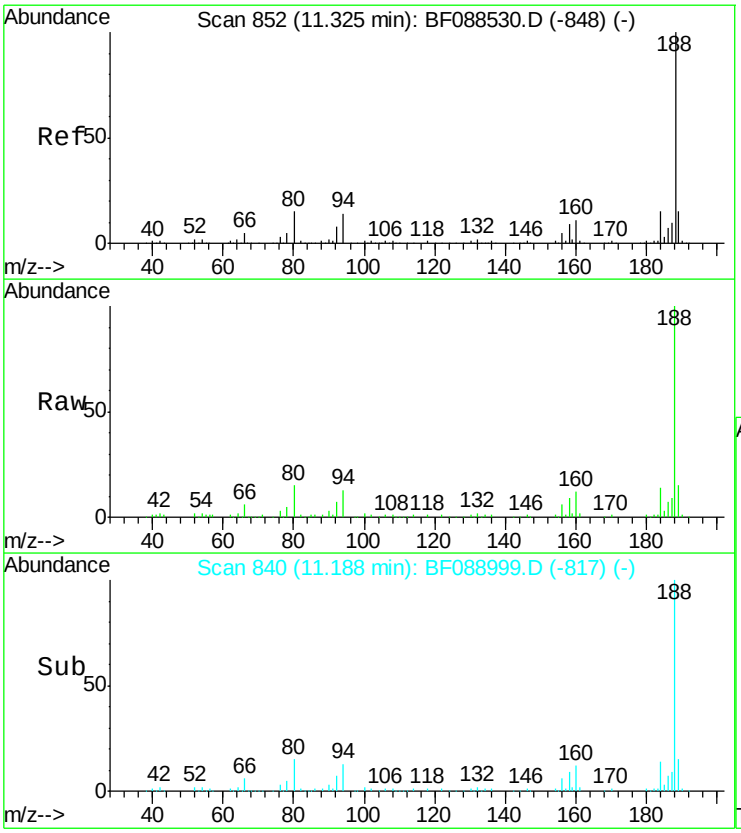
Tgt Ion:163 Resp: 103461

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.9	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

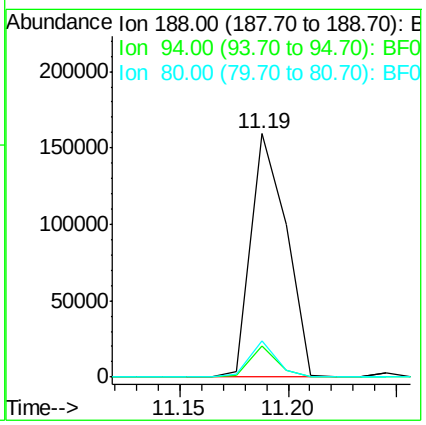
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

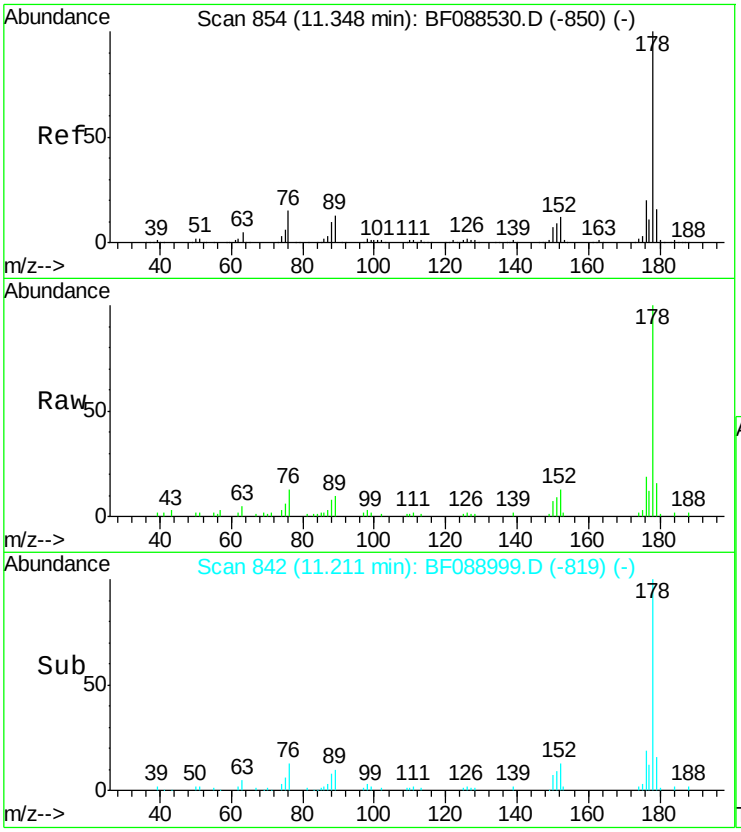


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:188 Resp: 180676

Ion	Ratio	Lower	Upper
188	100		
94	12.6	9.0	13.6
80	15.0	10.0	15.0#

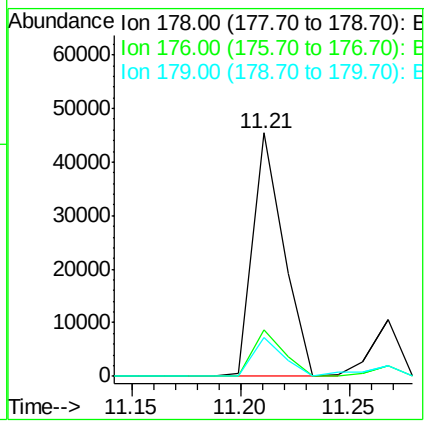




#70
Phenanthrene
Concen: 4.55 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

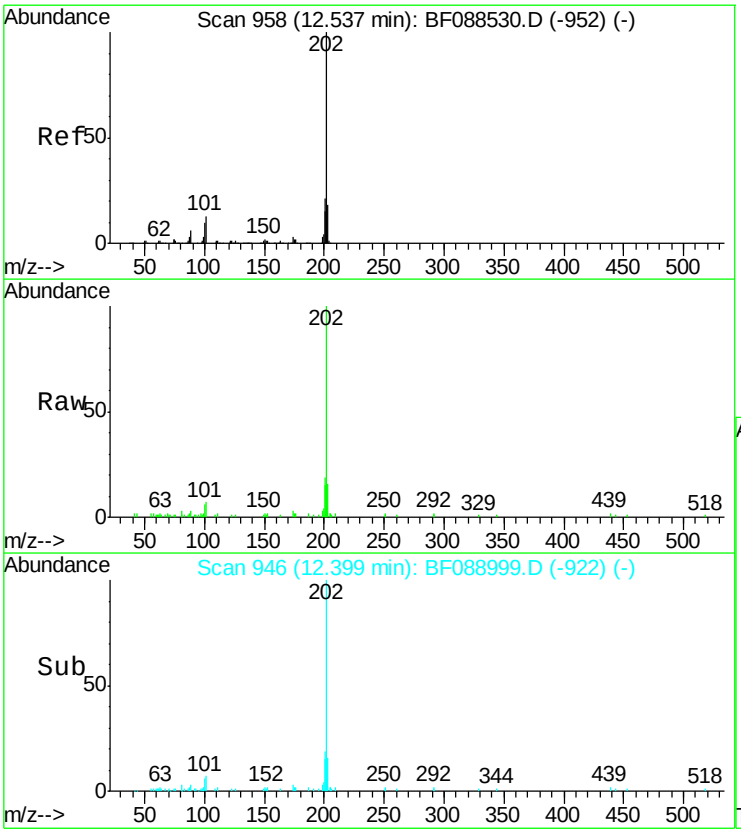
Tgt Ion:178 Resp: 44956

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.7	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

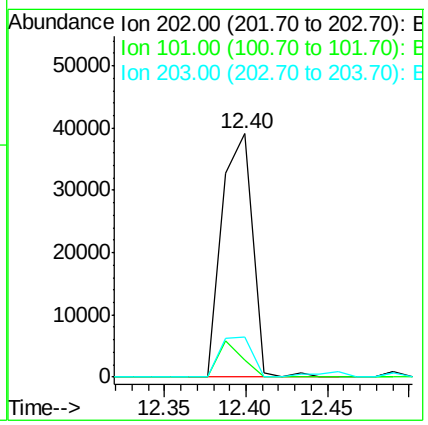
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

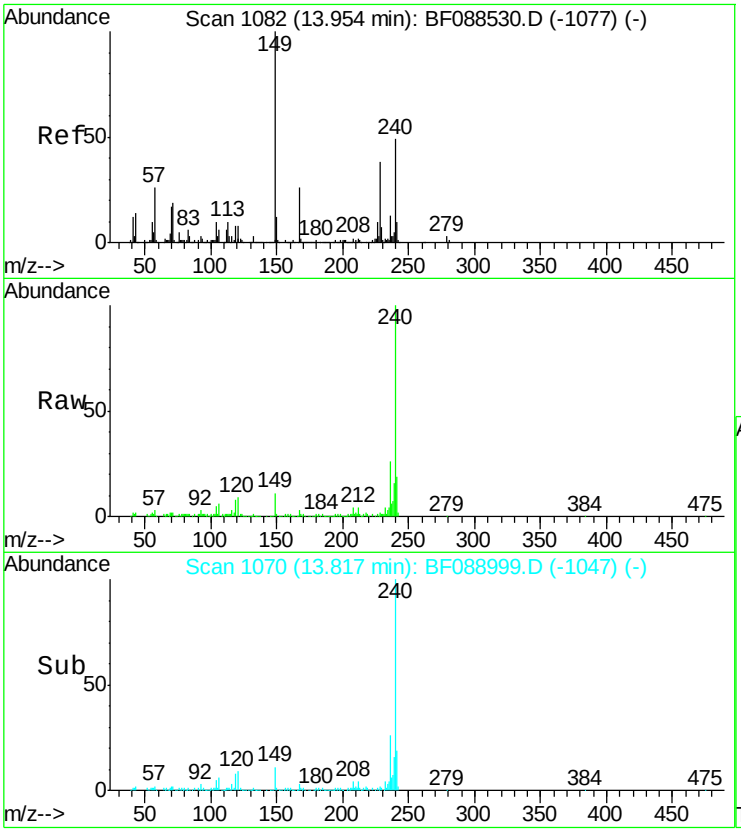


#74
Fluoranthene
Concen: 5.02 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:202 Resp: 50228

Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	33.1
203	16.3	0.0	38.1

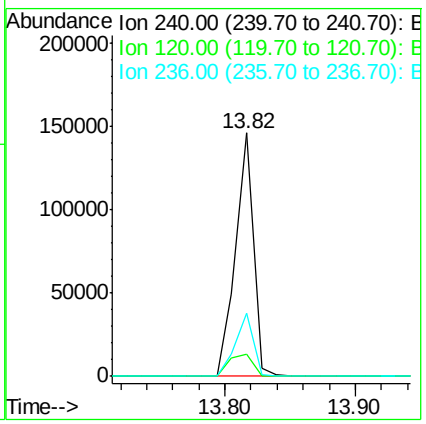




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

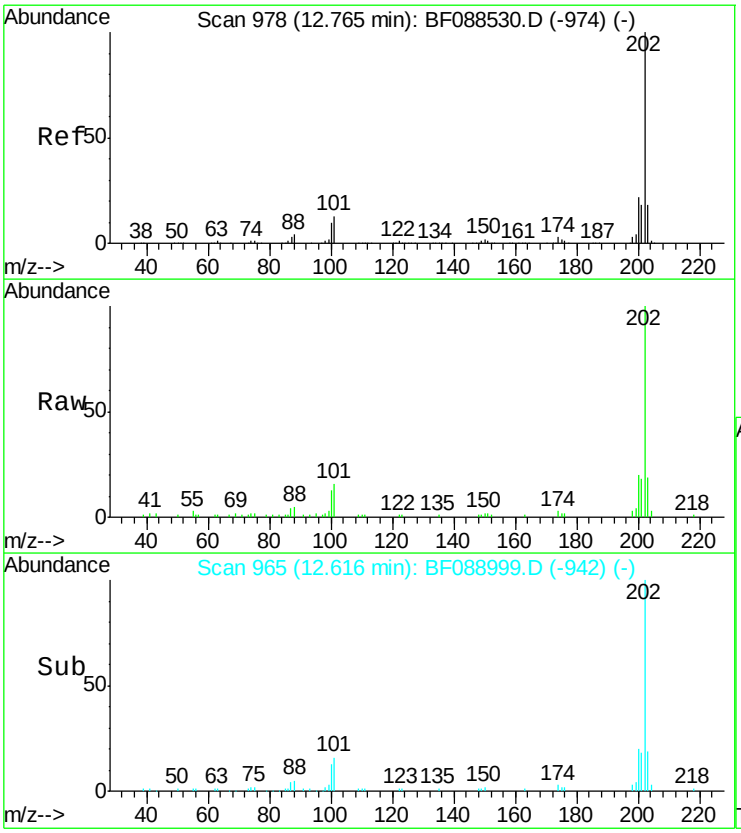
Tgt Ion:240 Resp: 138792

Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.8	10.2
236	25.9	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

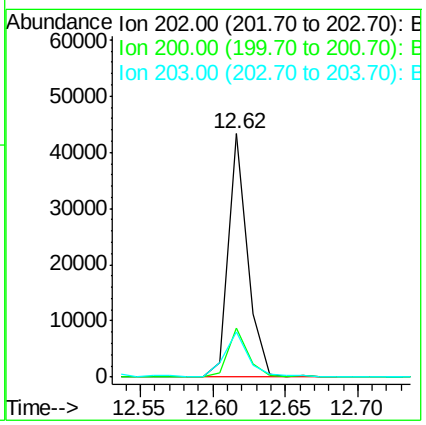
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

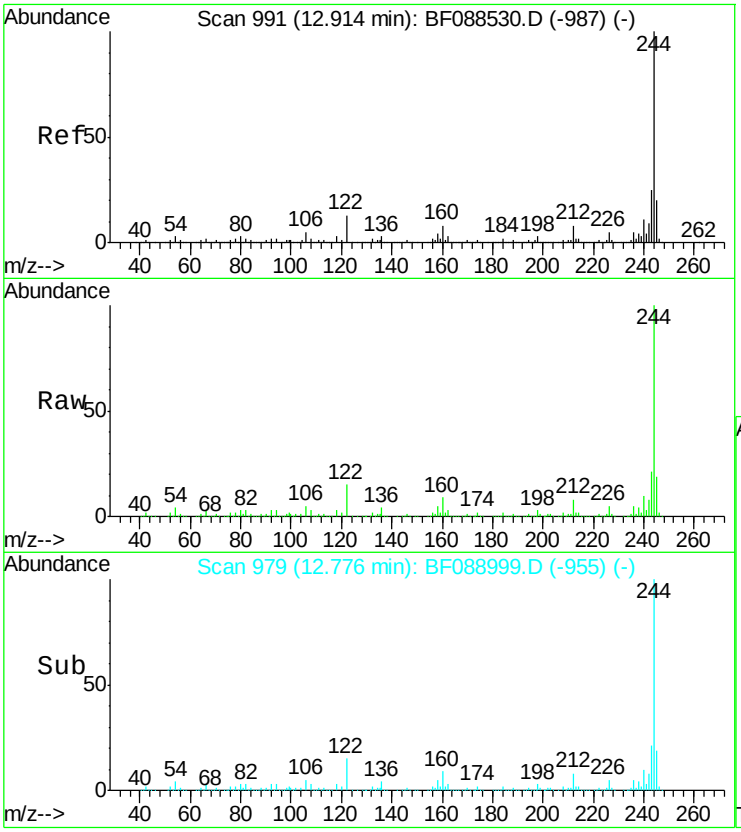


#77
Pyrene
Concen: 3.38 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:202 Resp: 39720

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	18.8	14.5	21.7

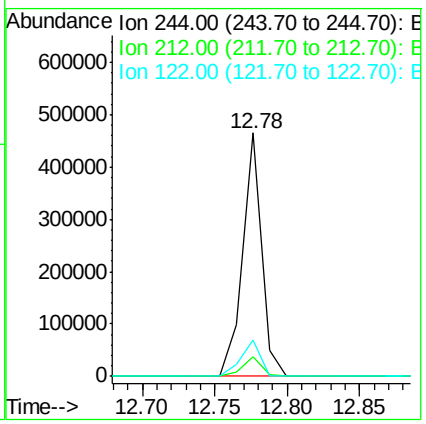




#78
Terphenyl-d14
Concen: 67.80 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

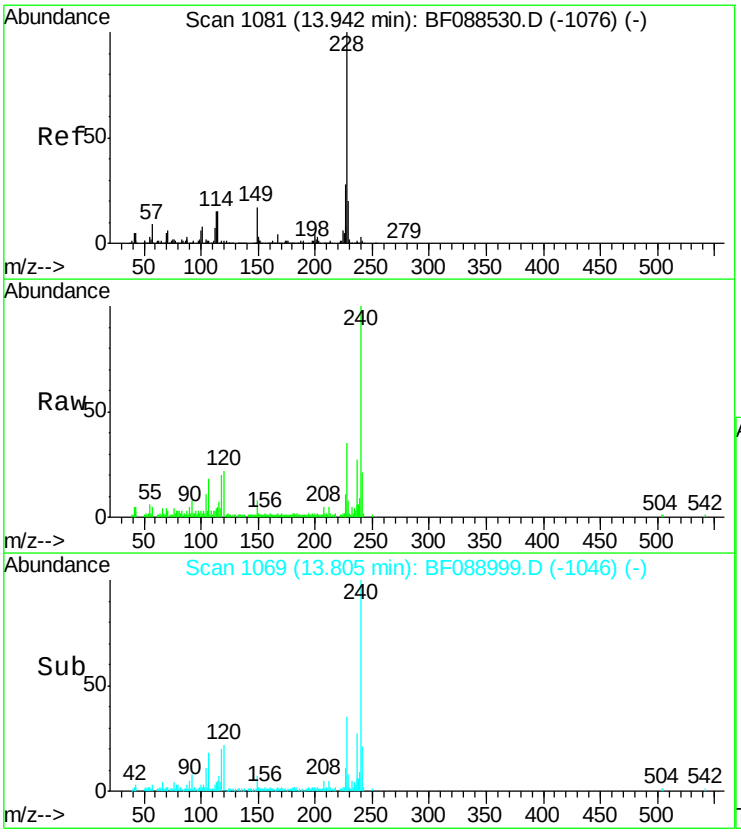
Tgt Ion:244 Resp: 422473

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	14.8	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

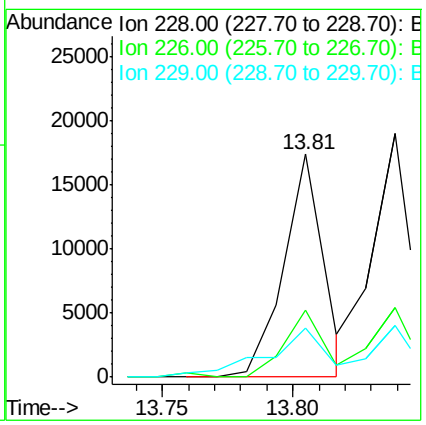
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

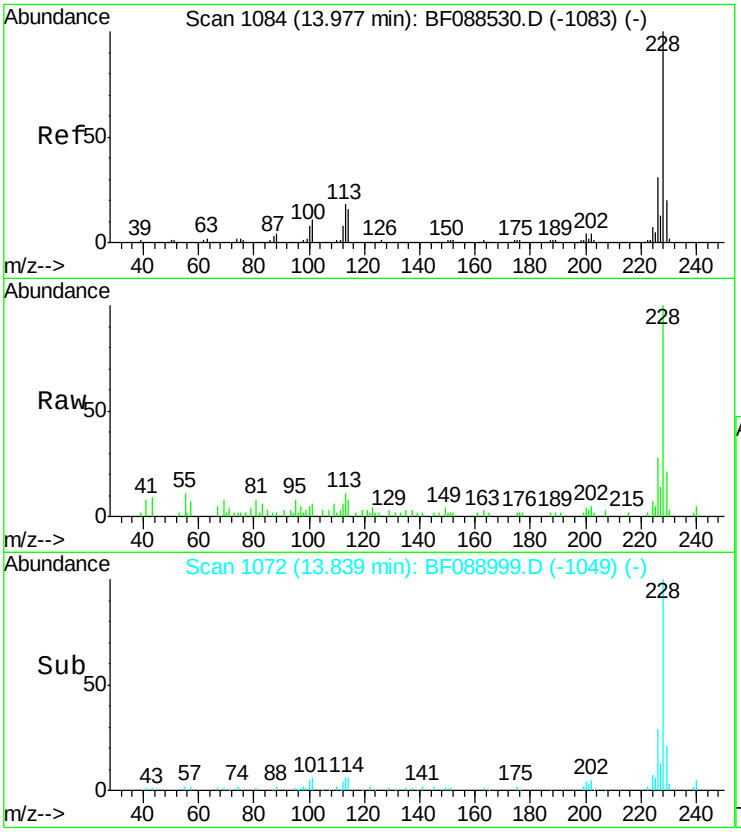


#80
Benzo(a)anthracene
Concen: 2.05 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:228 Resp: 18333

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	22.1	16.0	24.0

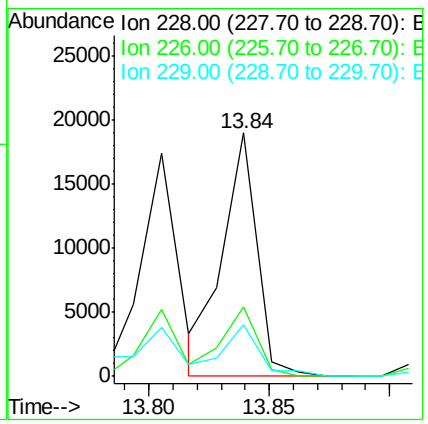




#82
Chrysene
Concen: 2.13 ng m
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

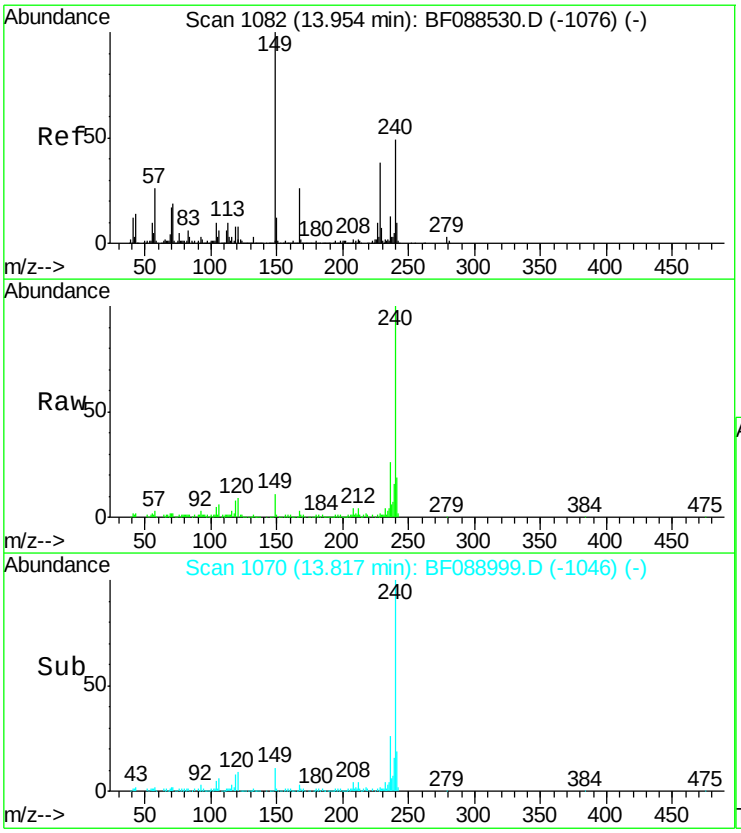
Tgt Ion:228 Resp: 18794

Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.4	38.2
229	21.0	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

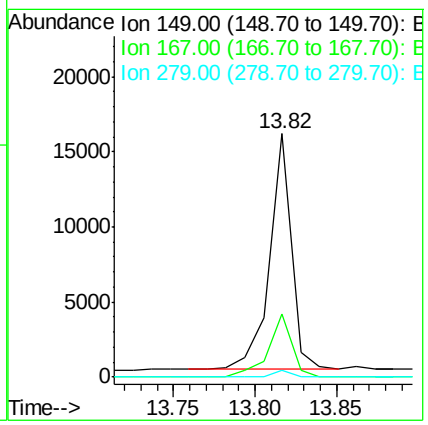
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

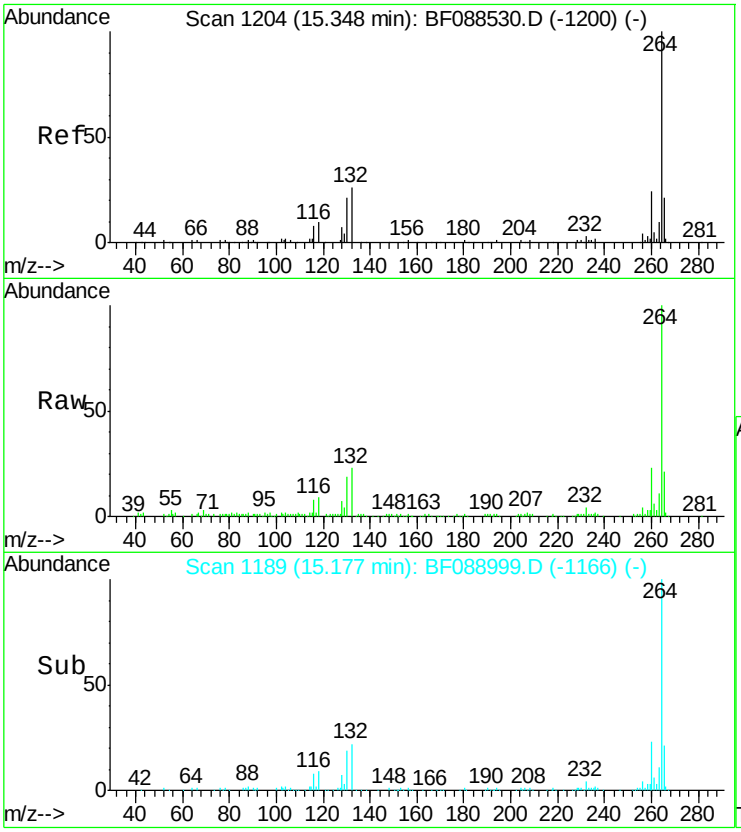


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.46 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:149 Resp: 14747

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.5	30.7
279	3.0	2.0	3.0#

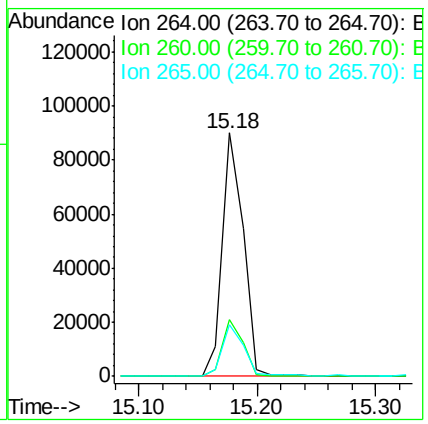




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

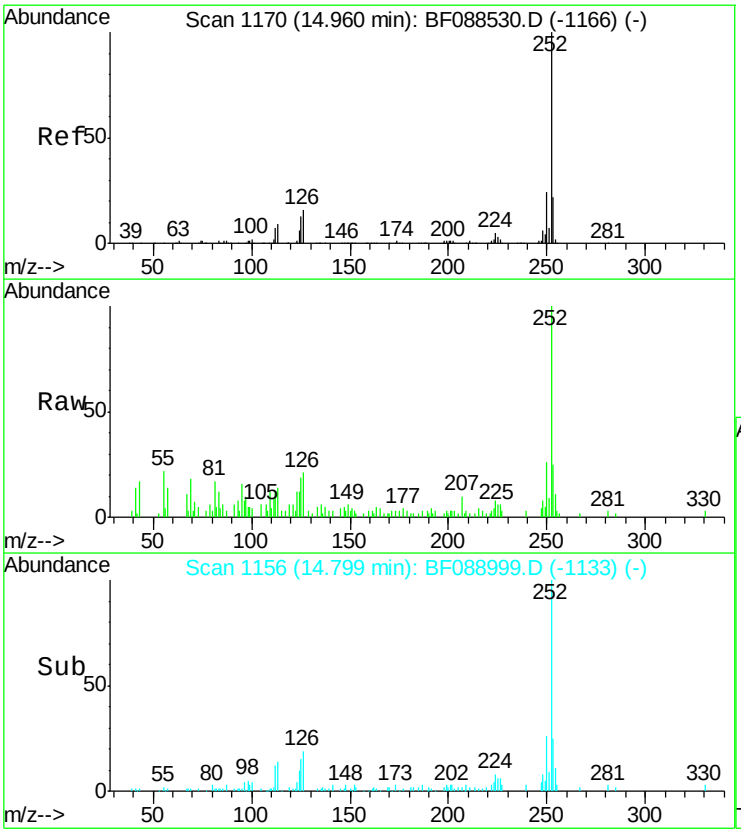
Tgt Ion:264 Resp: 109920

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

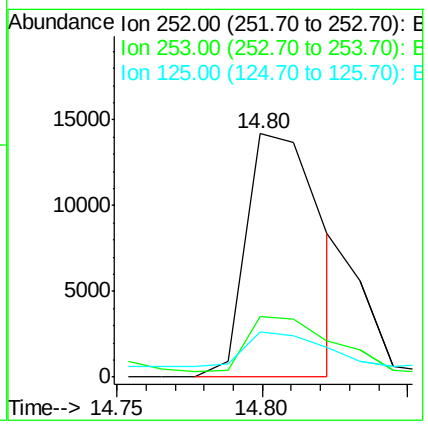
Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM

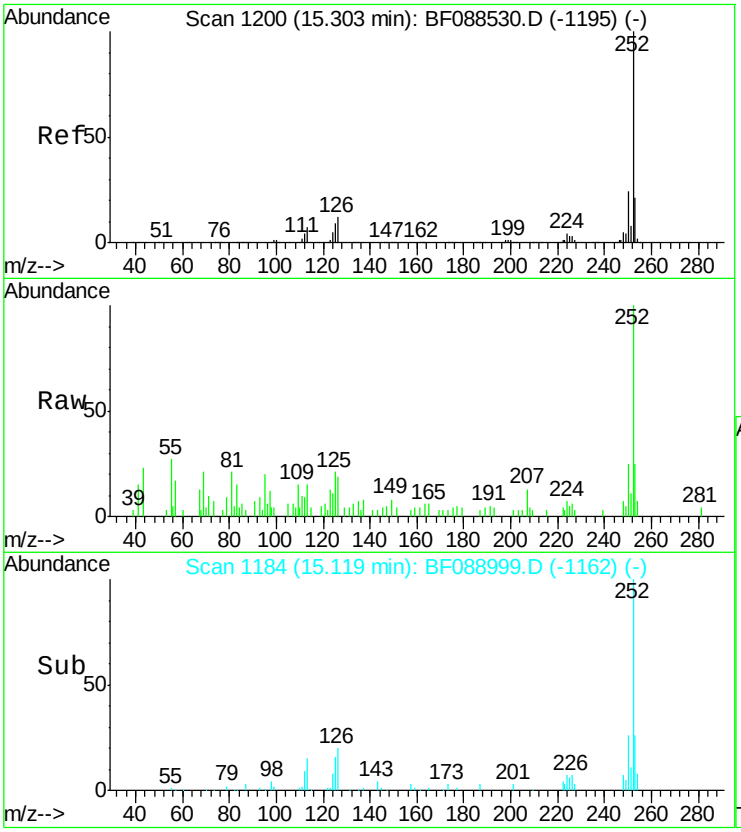


#87
Benzo(b)fluoranthene
Concen: 3.70 ng m
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:252 Resp: 25487

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	18.8	7.1	10.7#





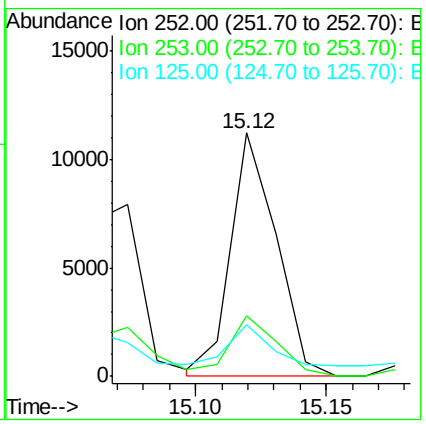
#89
Benzo(a)pyrene
Concen: 2.36 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.05 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

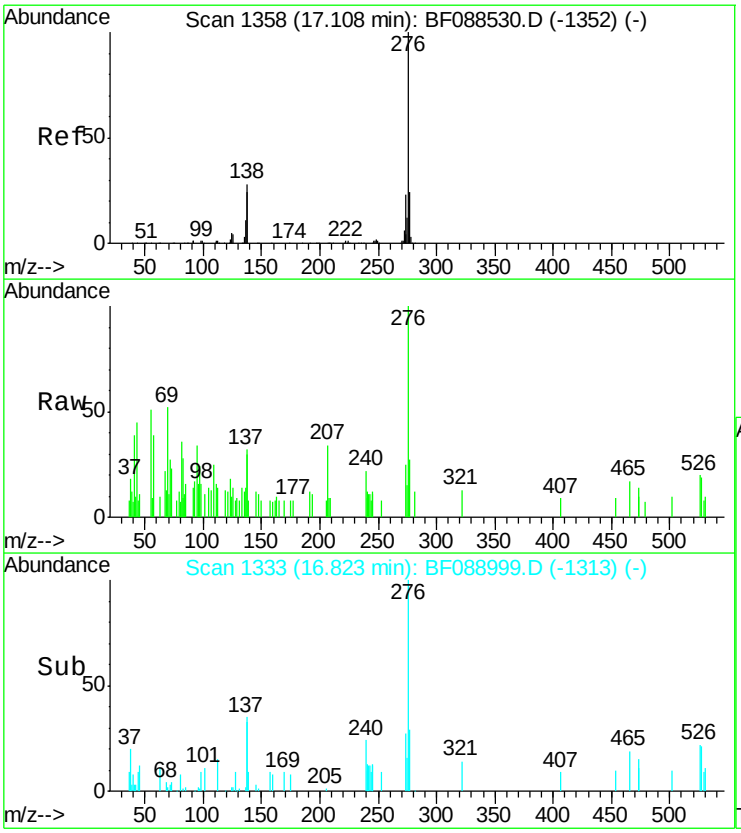
Tgt Ion:252 Resp: 13753

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	21.3	12.5	18.7#

Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

Manual Integrations
APPROVED
sohil
7/15/2016 7:27:16 PM





#91
Benzo(g,h,i)perylene
Concen: 2.10 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.07 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:276 Resp: 10598

Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.9	28.3
138	30.1	21.4	32.2