Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082148.D
Acq On : 9 Oct 2015 16:37
Operator : UM/IZ
Sample : G3963-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PROPOSED-FILL(BESM)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

Quant Time: Oct 09 18:13:05 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 09 17:27:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	115617	20.00	ng		-0.03
21) Naphthalene-d8	8.14	136	446059	20.00	ng		-0.02
38) Acenaphthene-d10	9.90	164	198601	20.00	ng		-0.02
63) Phenanthrene-d10	11.38	188	328358	20.00	ng		-0.02
75) Chrysene-d12	14.04	240	222048	20.00	ng		-0.02
86) Perylene-d12	15.48	264	221079	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	601465	94.44	ng		-0.01
7) Phenol-d6	6.49	99	856141	106.83	ng		-0.01
23) Nitrobenzene-d5	7.42	82	485448	72.55	ng		-0.03
41) 2,4,6-Tribromophenol	10.69	330	182878	90.92	ng		-0.03
44) 2-Fluorobiphenyl	9.22	172	1002362	84.32	ng		-0.02
78) Terphenyl-d14	12.97	244	714237	114.69	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.16	128	194793	9.86	ng		99
37) 2-Methylnaphthalene	8.85	142	43157	3.20	ng	#	91
48) Acenaphthylene	9.76	152	124401	6.46	ng		97
49) Dimethylphthalate	9.61	163	230437	16.81	ng	#	98
51) Acenaphthene	9.92	154	67718	5.92	ng		87
54) Dibenzofuran	10.10	168	86235	5.34	ng		95
57) Fluorene	10.45	166	111268	7.87	ng		94
70) Phenanthrene	11.41	178	1103140	70.76	ng		96
71) Anthracene	11.46	178	269924	16.17	ng		98
72) Carbazole	11.61	167	177016	11.72	ng		95
74) Fluoranthene	12.61	202	1525137	86.70	ng		90
77) Pyrene	12.84	202	1229170	92.66	ng	#	94
80) Benzo(a)anthracene	14.02	228	675609	56.50	ng	#	90
82) Chrysene	14.06	228	643625	56.13	ng		93
83) Bis(2-ethylhexyl)phthalate	14.00	149	15317m	2.45	ng		
85) Indeno(1,2,3-cd)pyrene	16.89	276	292773	31.30	ng	#	83
87) Benzo(b)fluoranthene	15.06	252	798376m	63.25	ng		
88) Benzo(k)fluoranthene	15.09	252	312856m	27.04	ng		
89) Benzo(a)pyrene	15.42	252	515639	47.10	ng	#	84
90) Dibenzo(a,h)anthracene	16.90	278	76685	8.35	ng	#	77
91) Benzo(g,h,i)perylene	17.33	276	241512	25.65	ng	#	74

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

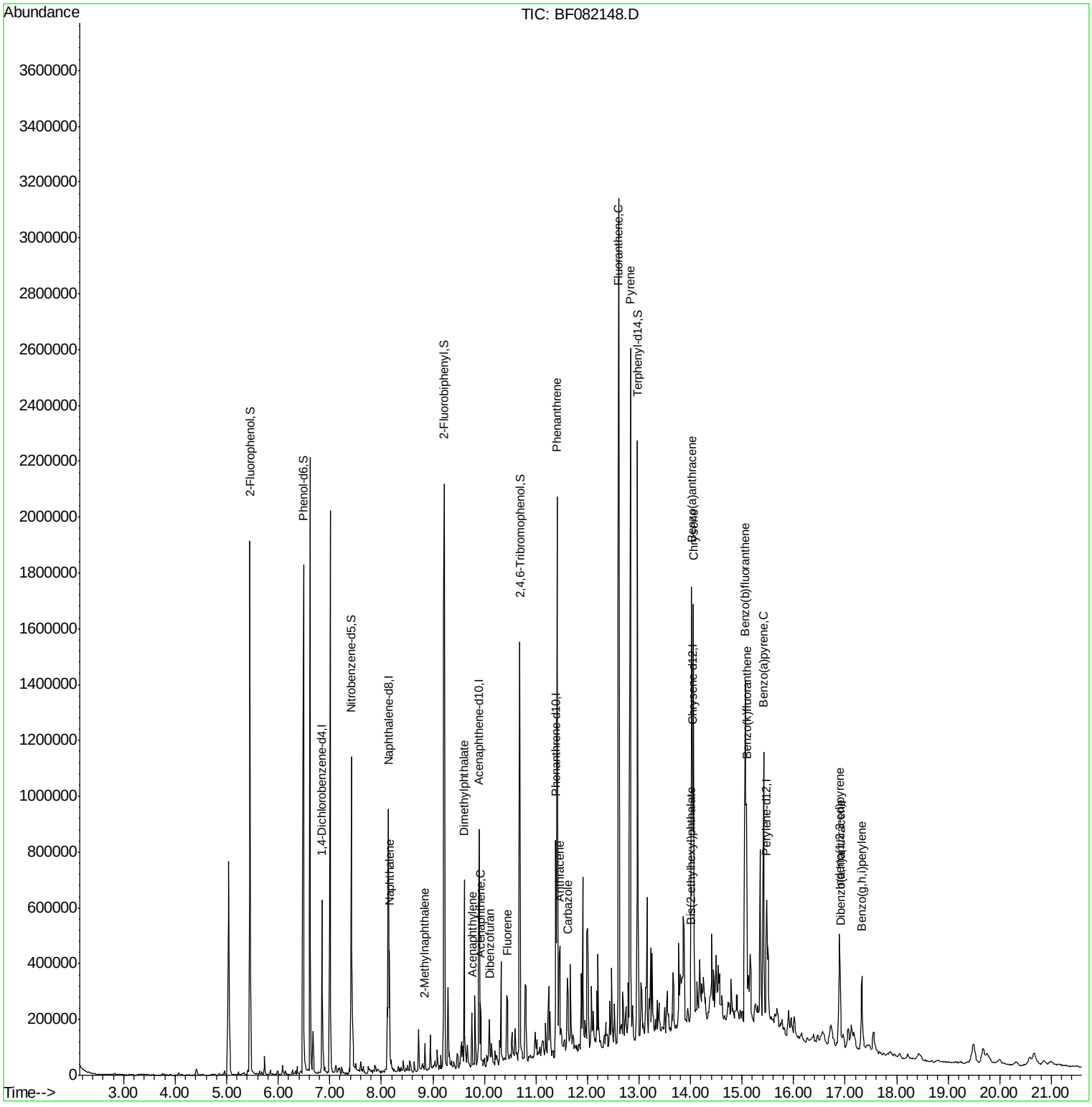
Quantitation Report (LSC Reviewed)

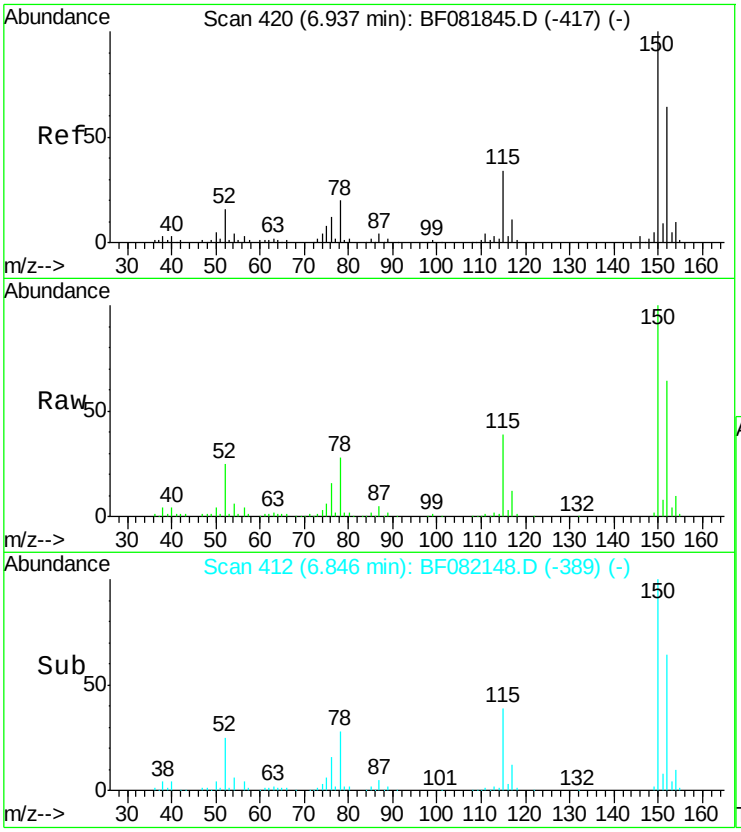
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082148.D
Acq On : 9 Oct 2015 16:37
Operator : UM/IZ
Sample : G3963-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 18:13:05 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 09 17:27:40 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

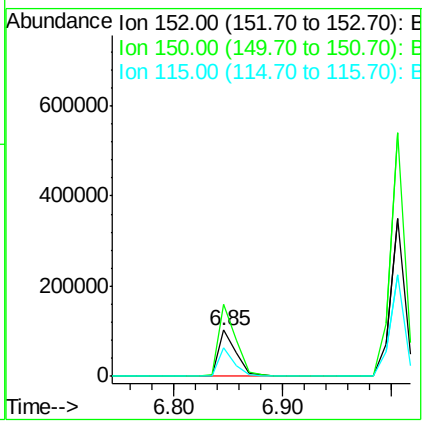




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 412
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

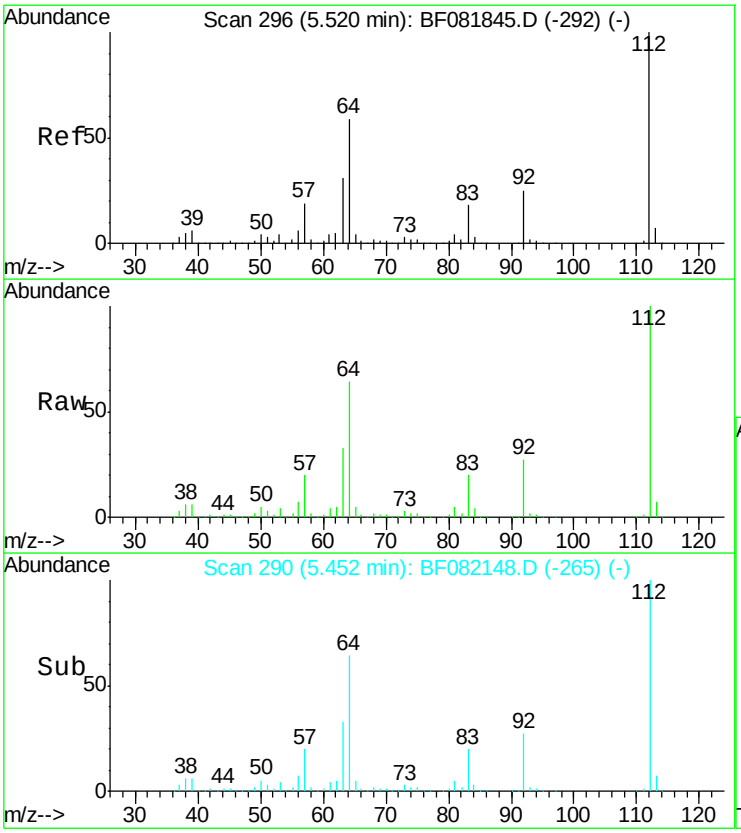
Tgt Ion:152 Resp: 115617

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.7	187.1
115	61.4	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

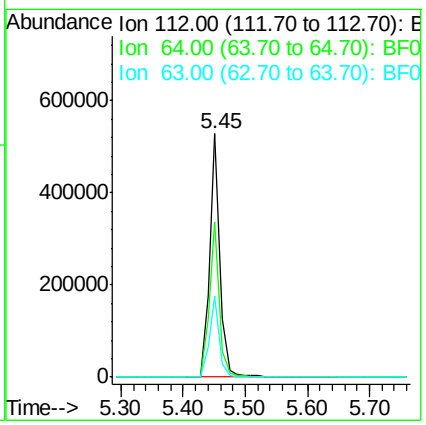
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

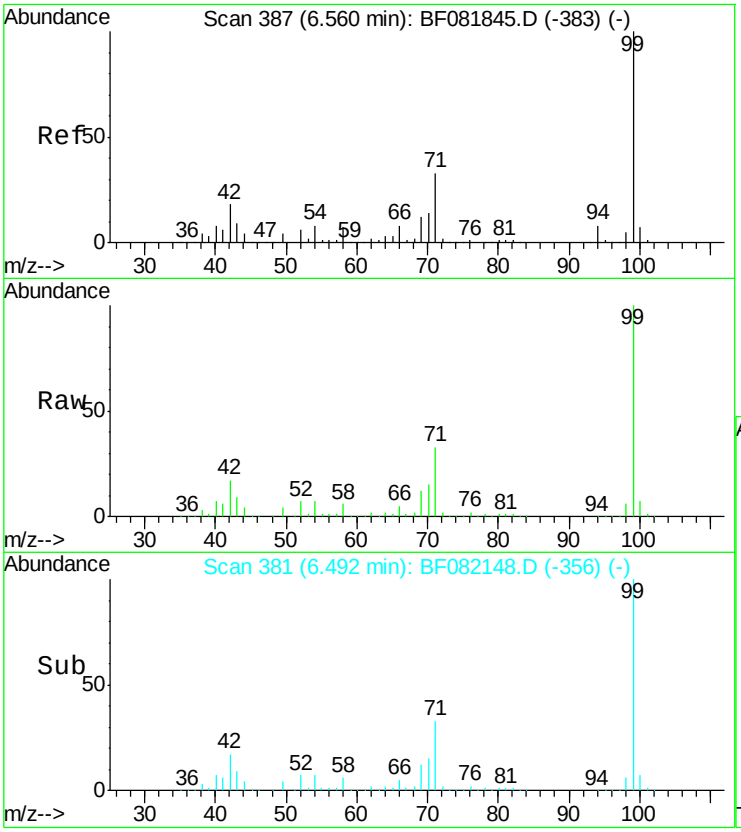


#5
2-Fluorophenol
Concen: 94.44 ng
RT: 5.45 min Scan# 290
Delta R.T. -0.01 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:112 Resp: 601465

Ion	Ratio	Lower	Upper
112	100		
64	63.7	39.7	59.5#
63	33.5	17.4	26.0#

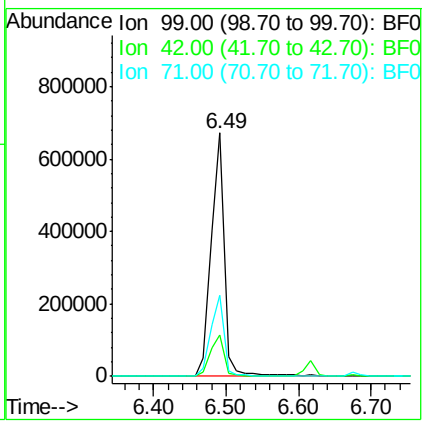




#7
Phenol-d6
Concen: 106.83 ng
RT: 6.49 min Scan# 381
Delta R.T. -0.01 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

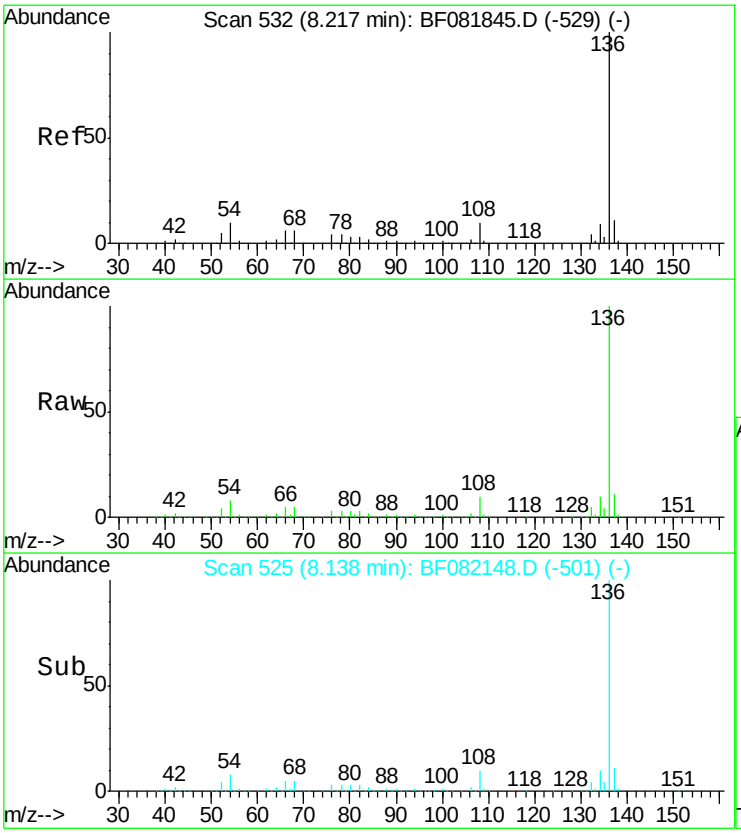
Tgt Ion: 99 Resp: 856141

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	33.2	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

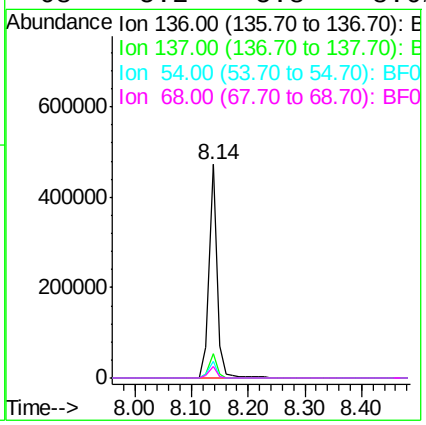
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

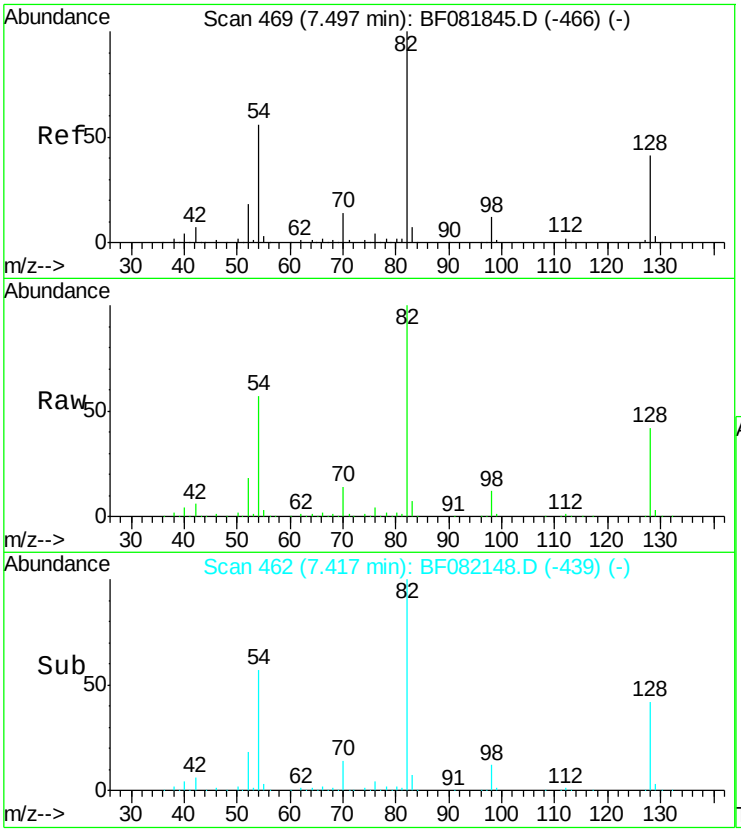


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:136 Resp: 446059

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.0	8.2	12.2#
68	5.2	5.8	8.6#

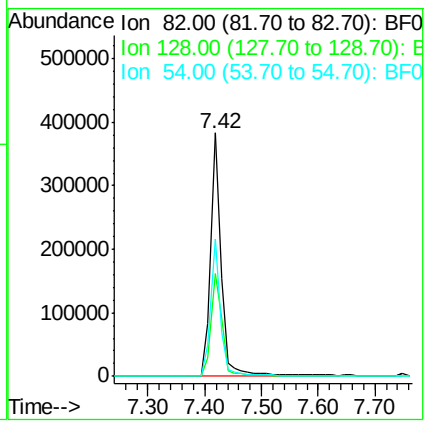




#23
Nitrobenzene-d5
Concen: 72.55 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

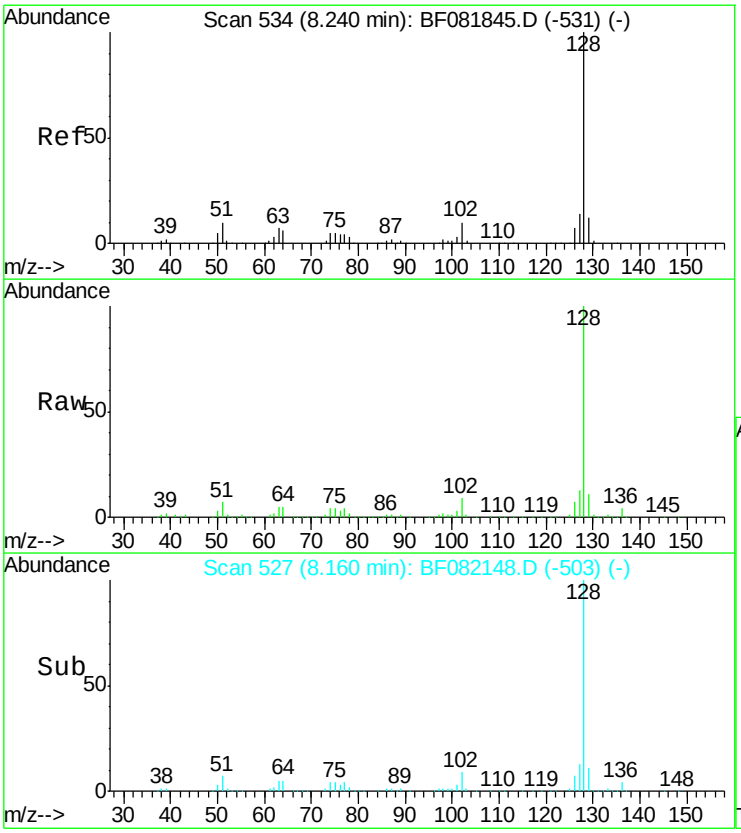
Tgt Ion: 82 Resp: 485448

Ion	Ratio	Lower	Upper
82	100		
128	42.3	51.0	76.6#
54	56.6	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

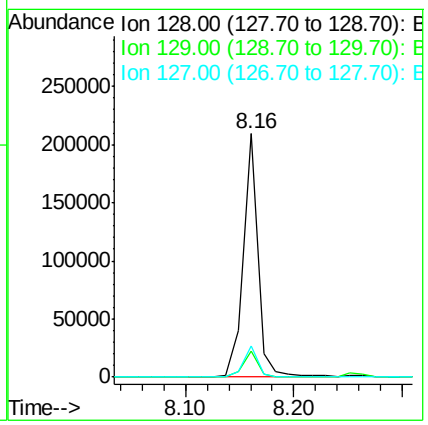
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

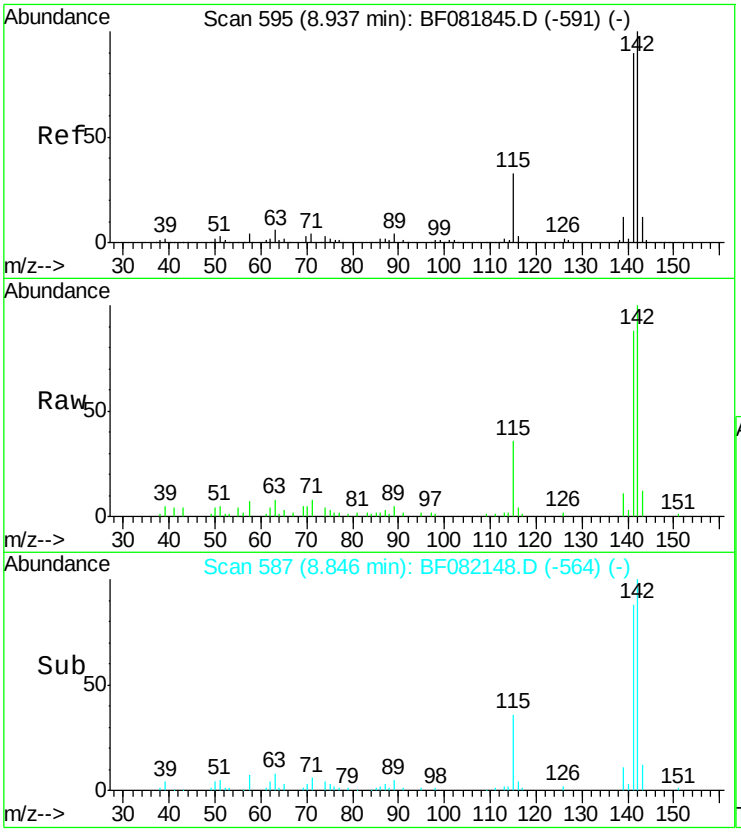


#31
Naphthalene
Concen: 9.86 ng
RT: 8.16 min Scan# 527
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:128 Resp: 194793

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.0	9.9	14.9

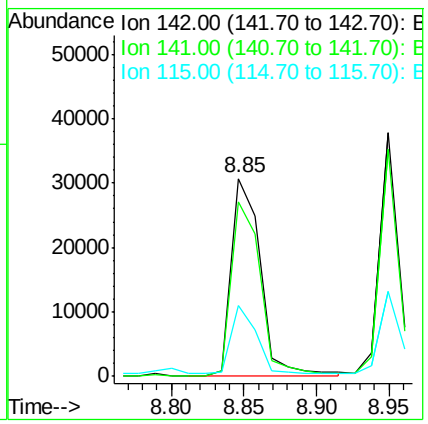




#37
2-Methylnaphthalene
Concen: 3.20 ng
RT: 8.85 min Scan# 587
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

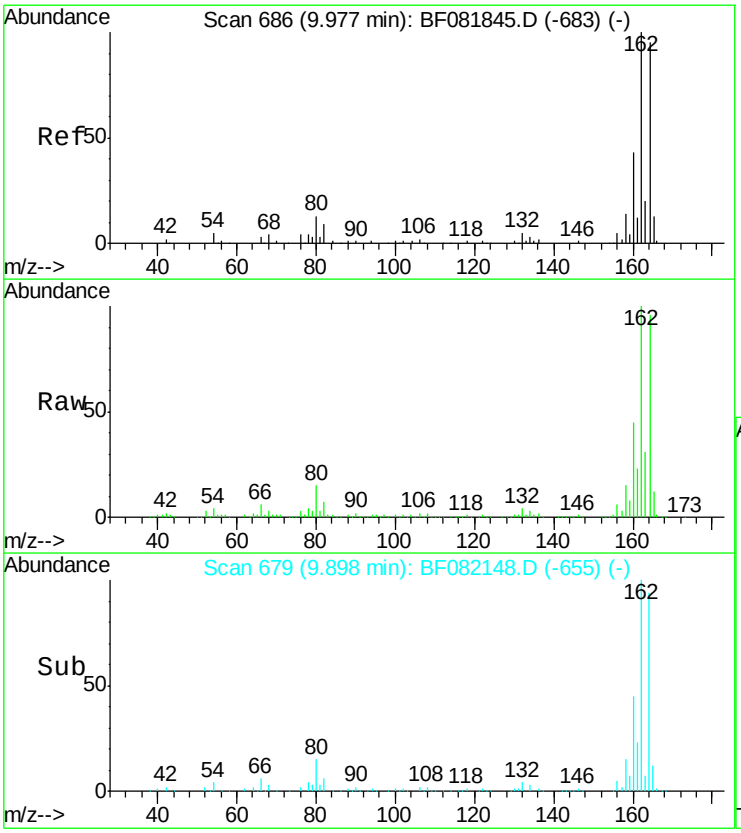
Tgt Ion:142 Resp: 43157

Ion	Ratio	Lower	Upper
142	100		
141	88.2	67.5	101.3
115	35.8	18.2	27.2#



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

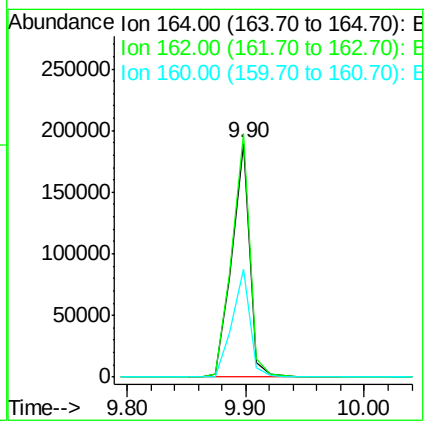
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

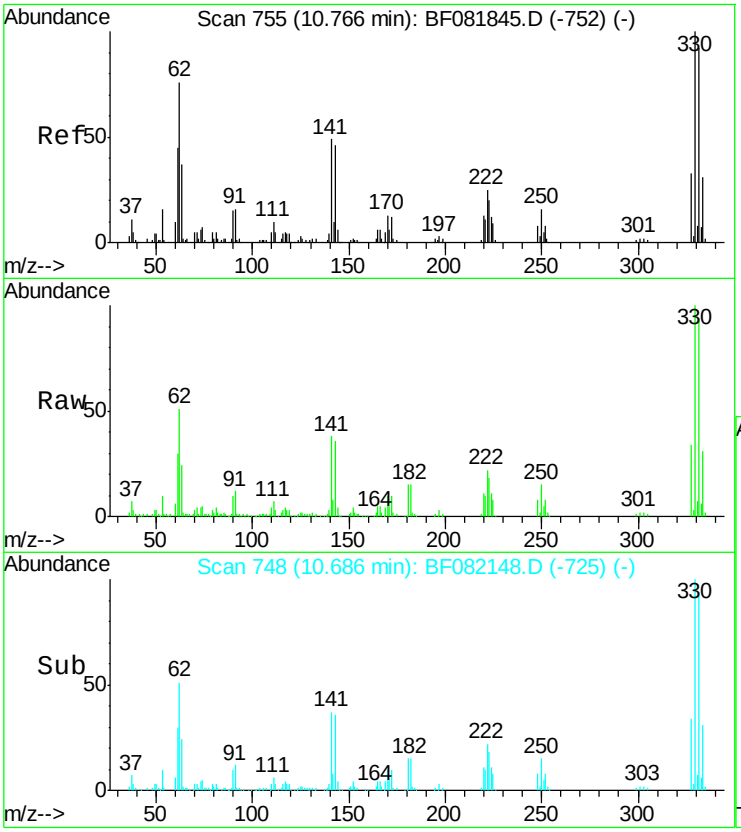


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:164 Resp: 198601

Ion	Ratio	Lower	Upper
164	100		
162	104.2	75.2	112.8
160	46.4	31.5	47.3

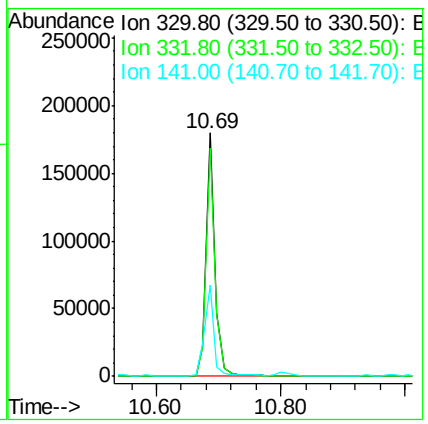




#41
2,4,6-Tribromophenol
Concen: 90.92 ng
RT: 10.69 min Scan# 748
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

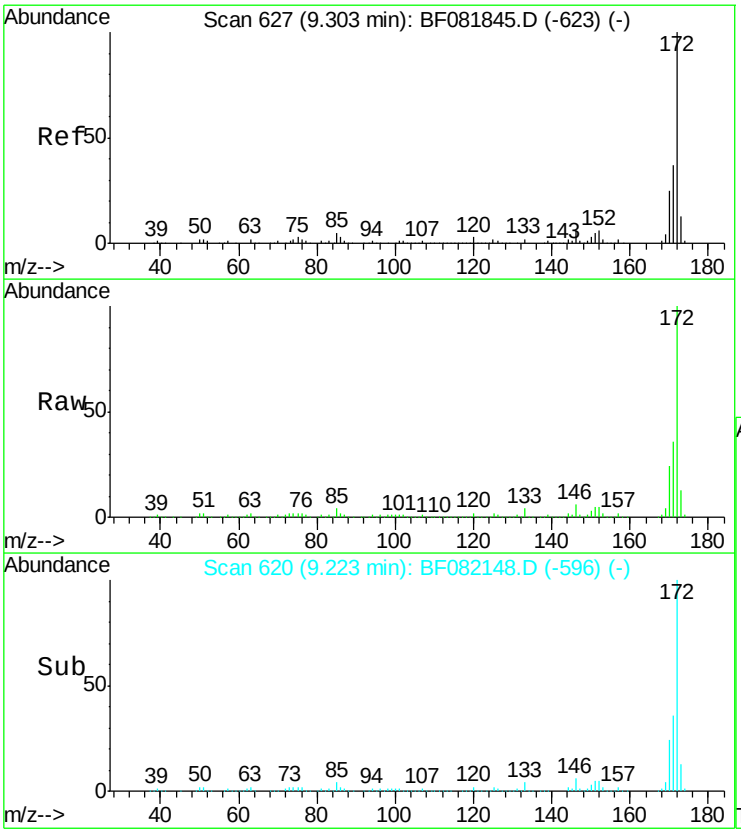
Tgt Ion:330 Resp: 182878

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	114.8
141	38.3	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

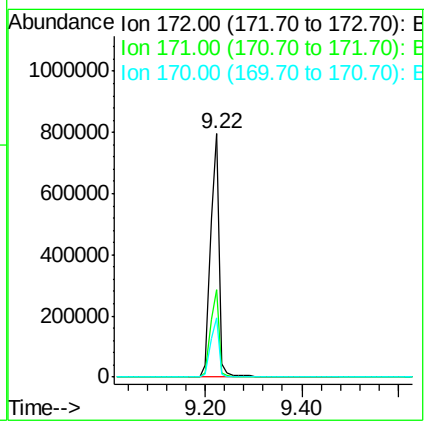
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

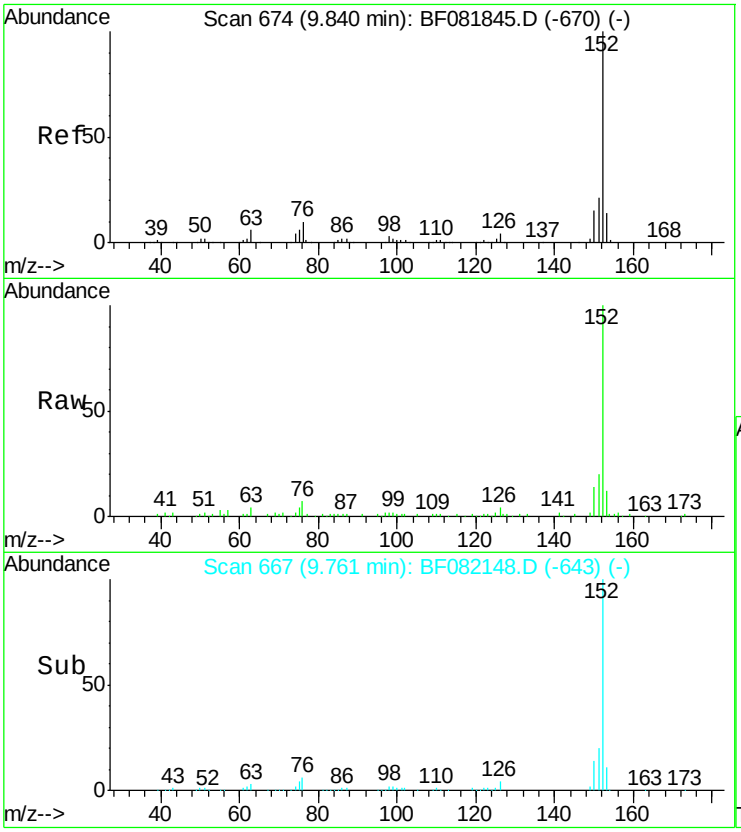


#44
2-Fluorobiphenyl
Concen: 84.32 ng
RT: 9.22 min Scan# 620
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:172 Resp: 1002362

Ion	Ratio	Lower	Upper
172	100		
171	35.9	26.1	39.1
170	24.3	17.4	26.2

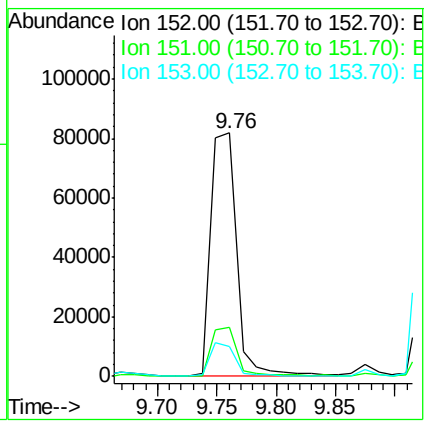




#48
Acenaphthylene
Concen: 6.46 ng
RT: 9.76 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

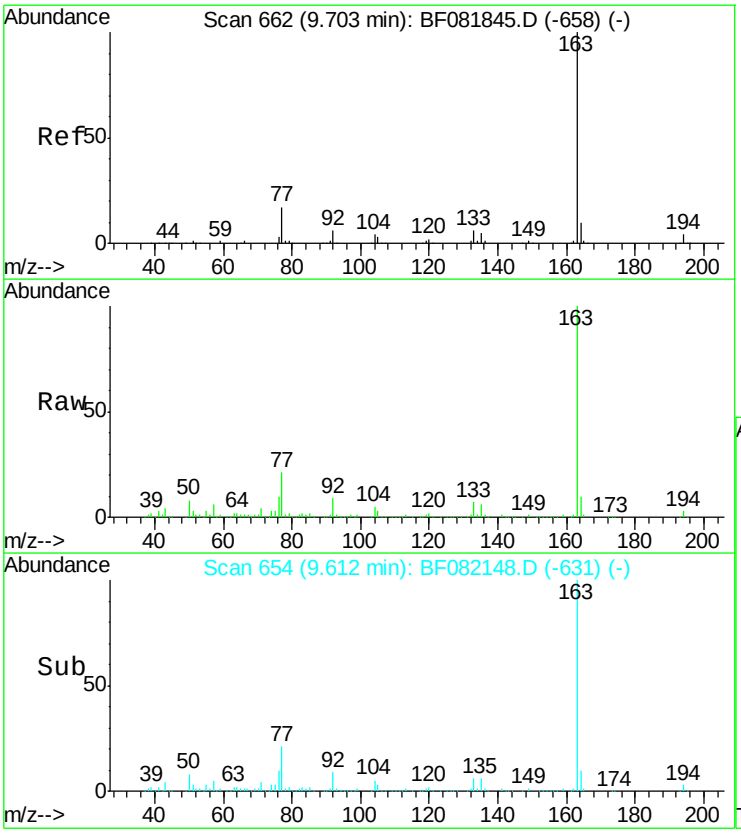
Tgt Ion:152 Resp: 124401

Ion	Ratio	Lower	Upper
152	100		
151	20.0	14.6	22.0
153	12.4	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

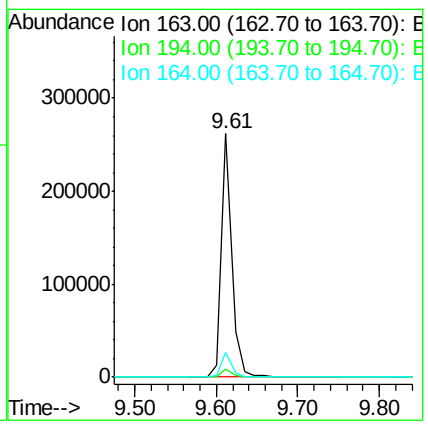
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

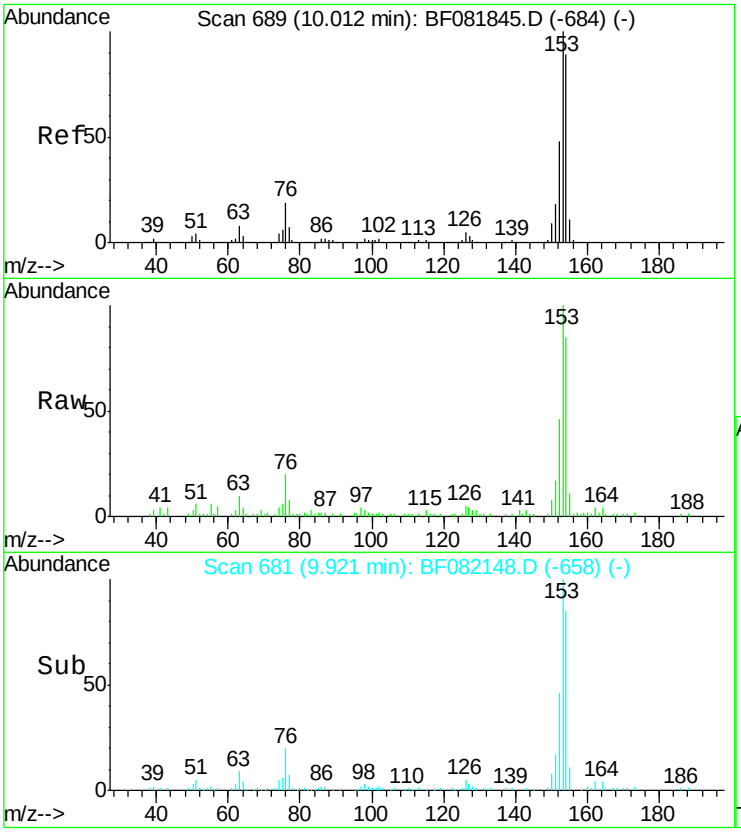


#49
Dimethylphthalate
Concen: 16.81 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:163 Resp: 230437

Ion	Ratio	Lower	Upper
163	100		
194	3.3	4.4	6.6#
164	10.3	8.3	12.5

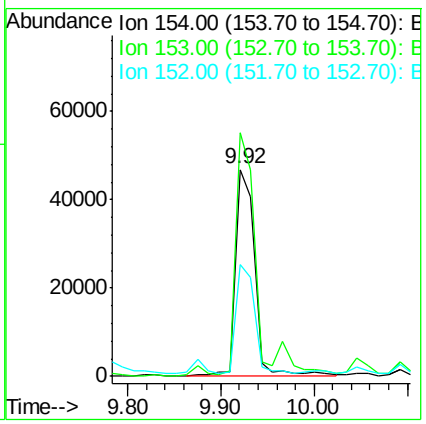




#51
Acenaphthene
Concen: 5.92 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

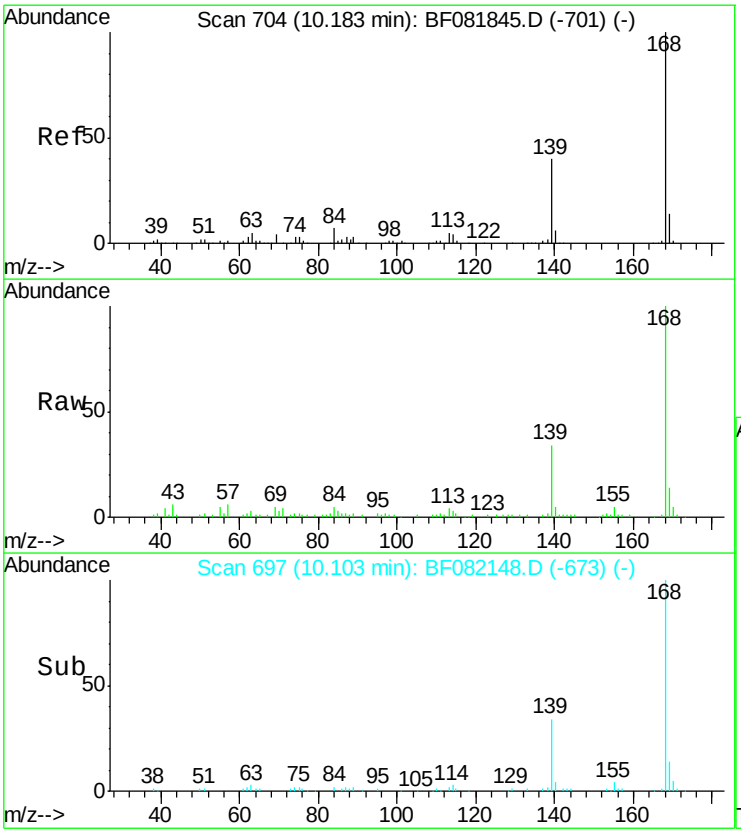
Tgt Ion:154 Resp: 67718

Ion	Ratio	Lower	Upper
154	100		
153	117.9	82.1	123.1
152	54.2	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

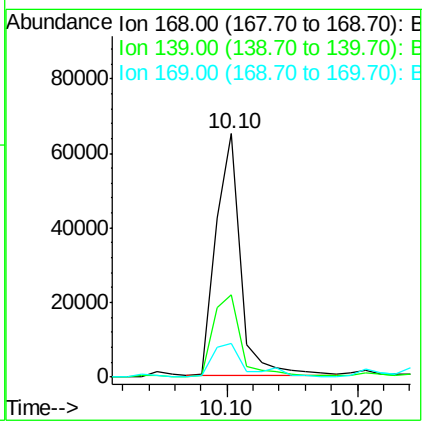
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

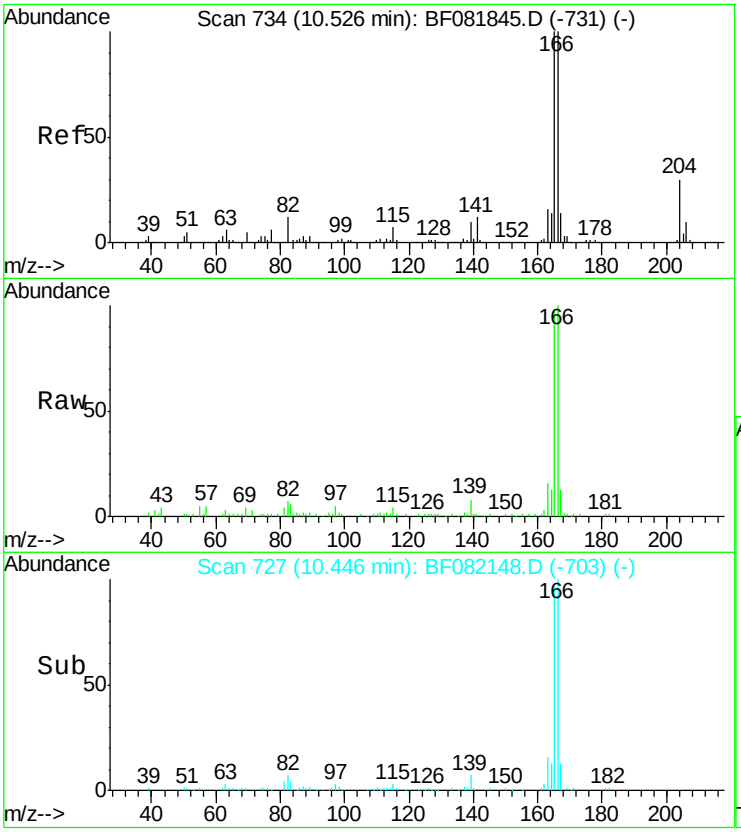


#54
Dibenzofuran
Concen: 5.34 ng
RT: 10.10 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:168 Resp: 86235

Ion	Ratio	Lower	Upper
168	100		
139	33.7	24.2	36.2
169	14.0	10.6	15.8

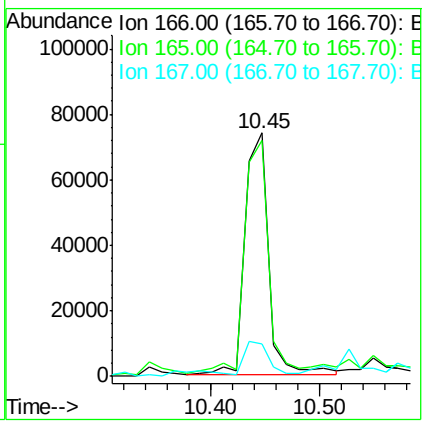




#57
Fluorene
Concen: 7.87 ng
RT: 10.45 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

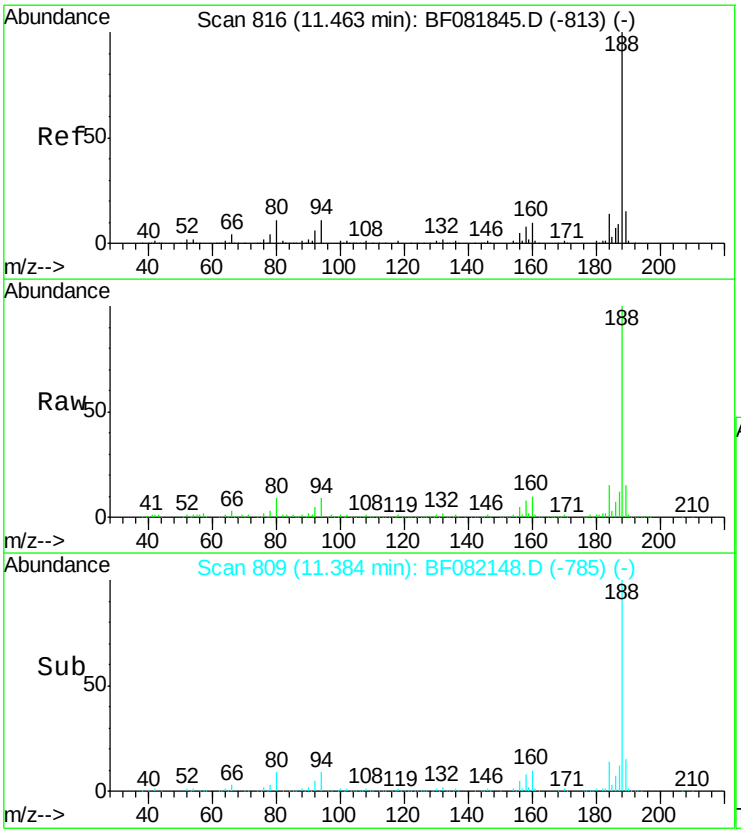
Tgt Ion:166 Resp: 111268

Ion	Ratio	Lower	Upper
166	100		
165	97.0	72.6	109.0
167	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

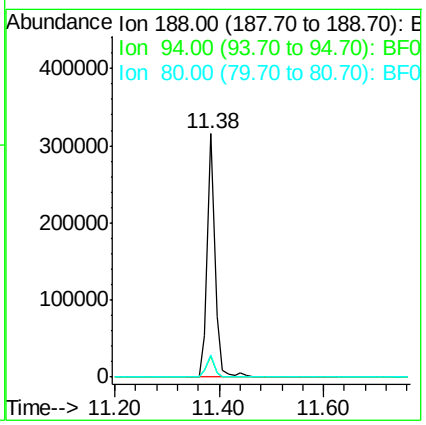
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

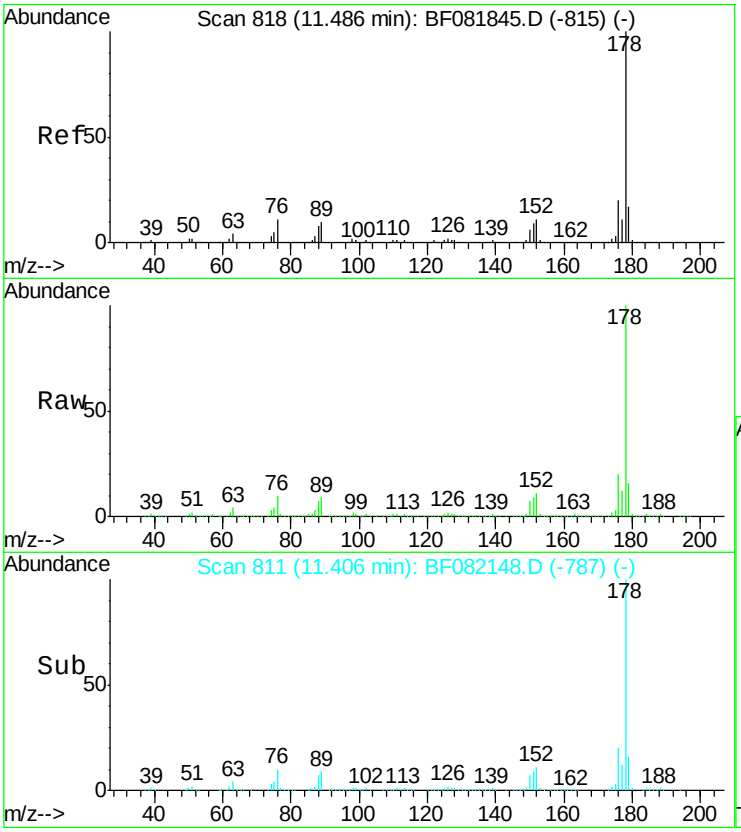


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:188 Resp: 328358

Ion	Ratio	Lower	Upper
188	100		
94	8.7	11.1	16.7#
80	9.0	11.0	16.4#

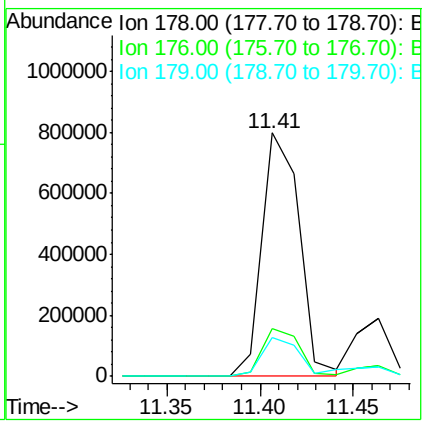




#70
Phenanthrene
Concen: 70.76 ng
RT: 11.41 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

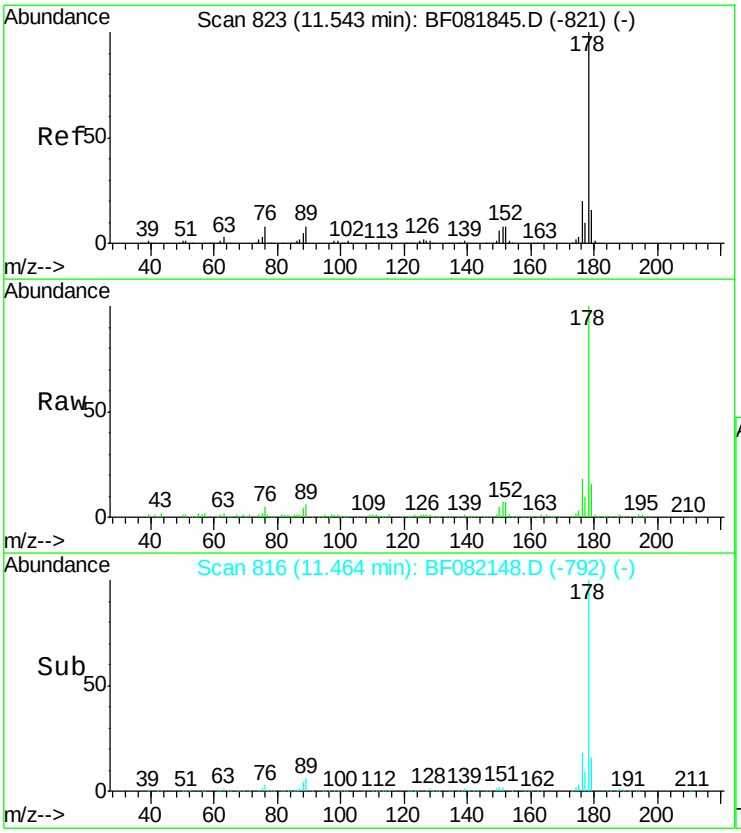
Tgt Ion:178 Resp: 1103140

Ion	Ratio	Lower	Upper
178	100		
176	19.9	13.8	20.8
179	16.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

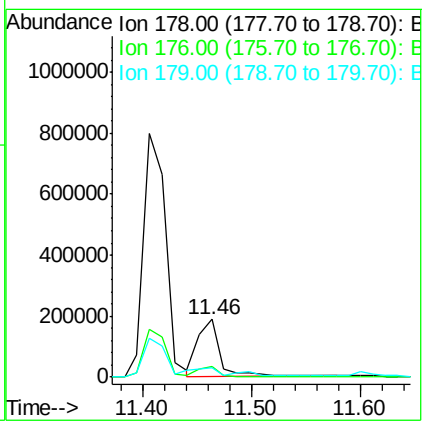
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

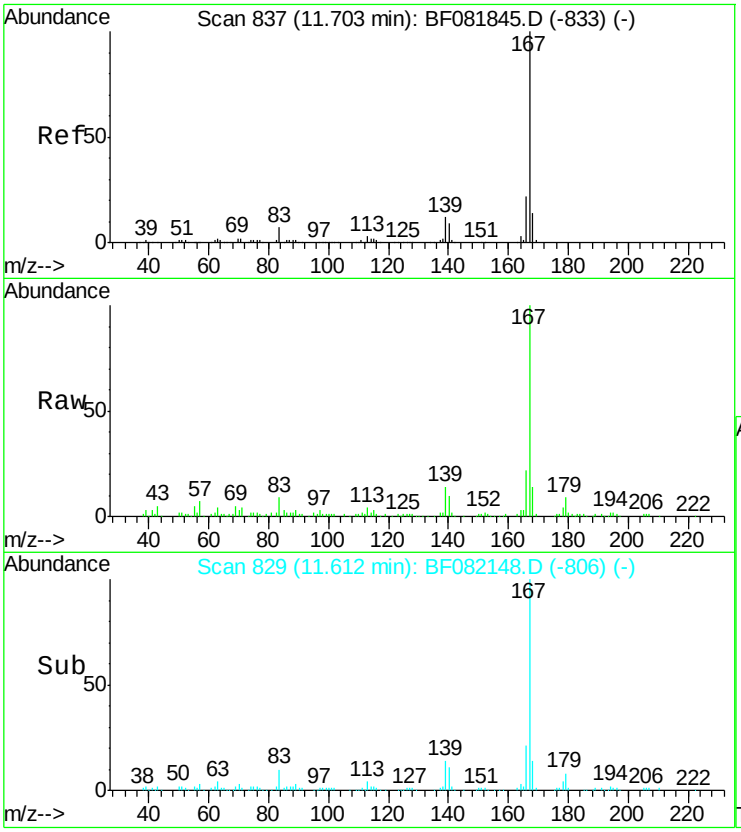


#71
Anthracene
Concen: 16.17 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:178 Resp: 269924

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.1	21.1
179	16.4	12.2	18.2

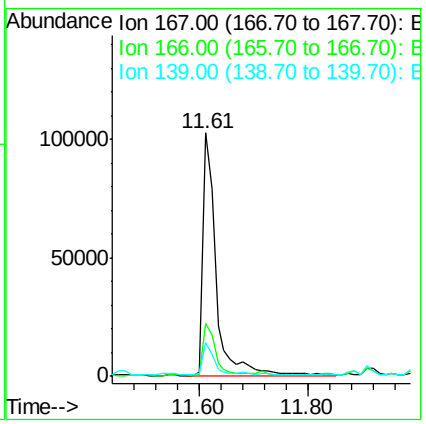




#72
Carbazole
Concen: 11.72 ng
RT: 11.61 min Scan# 829
Delta R.T. -0.03 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

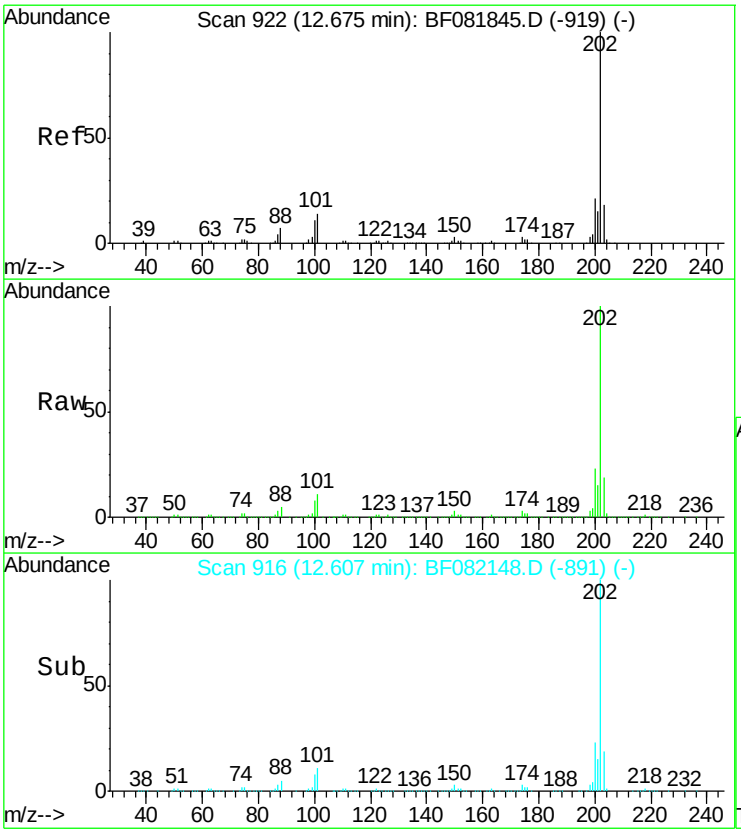
Tgt Ion:167 Resp: 177016

Ion	Ratio	Lower	Upper
167	100		
166	21.6	15.7	23.5
139	14.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

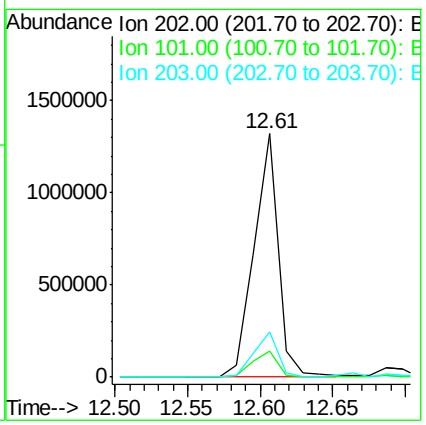
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

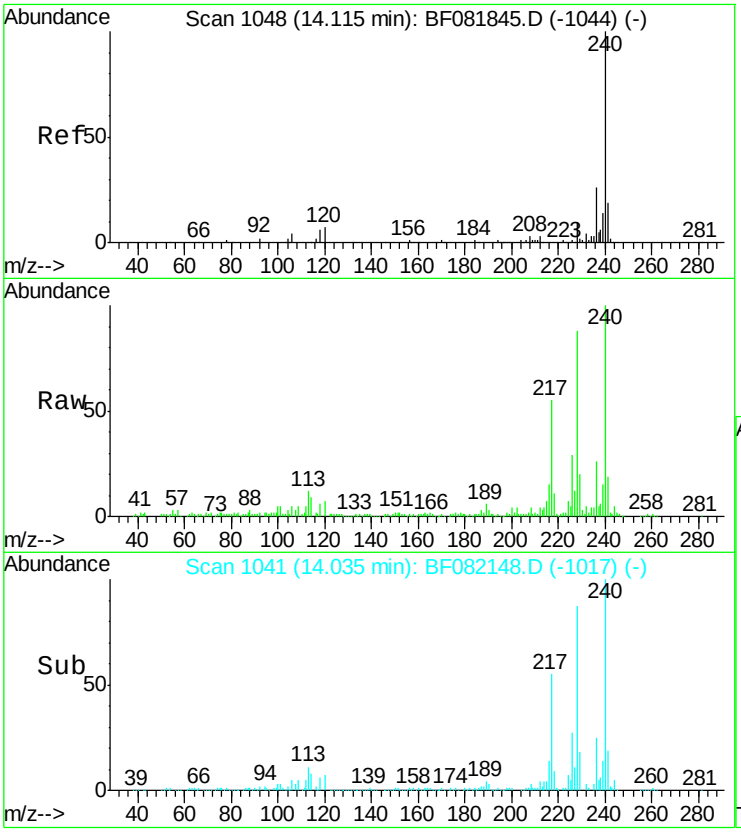


#74
Fluoranthene
Concen: 86.70 ng
RT: 12.61 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:202 Resp: 1525137

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	38.3
203	18.6	0.0	37.3

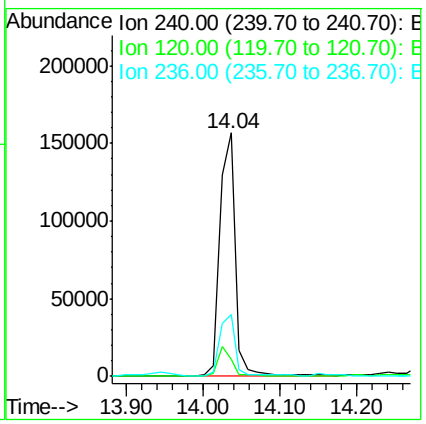




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

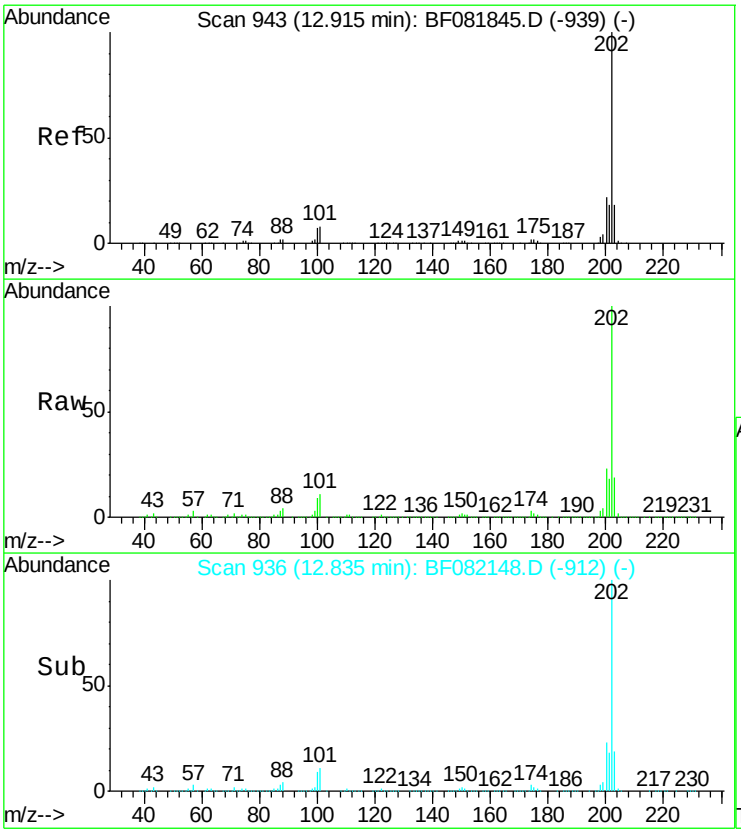
Tgt Ion:240 Resp: 222048

Ion	Ratio	Lower	Upper
240	100		
120	7.1	16.2	24.2#
236	25.6	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

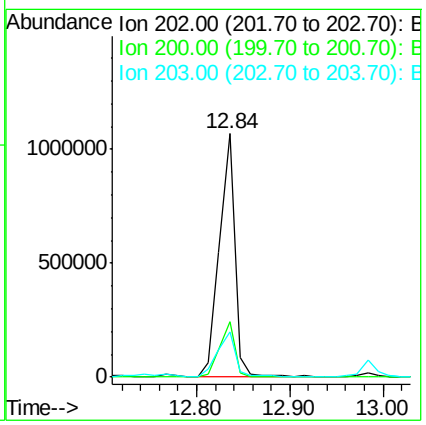
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

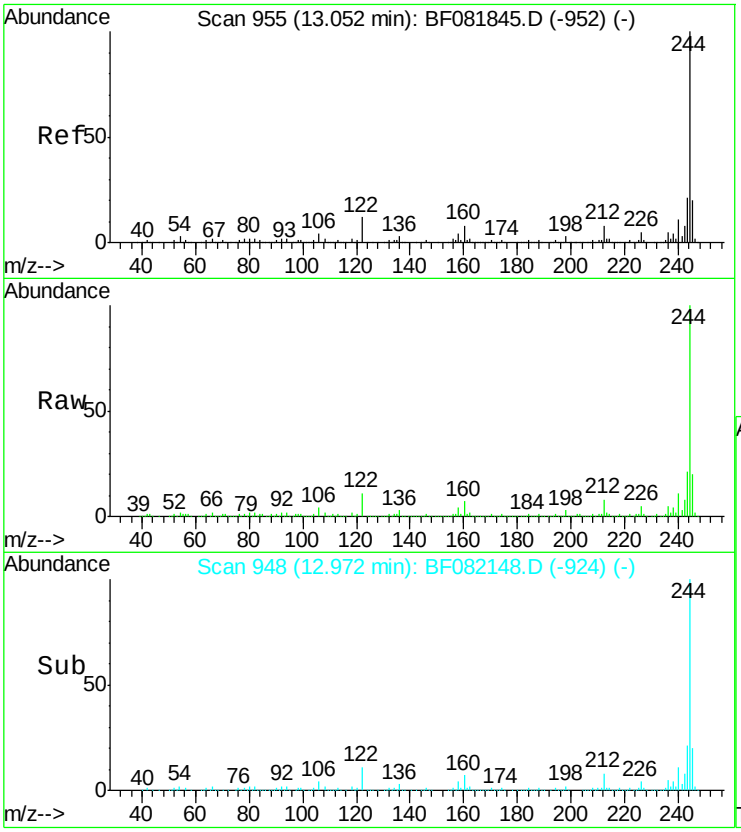


#77
Pyrene
Concen: 92.66 ng
RT: 12.84 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:202 Resp: 1229170

Ion	Ratio	Lower	Upper
202	100		
200	22.6	15.0	22.4#
203	18.7	14.1	21.1

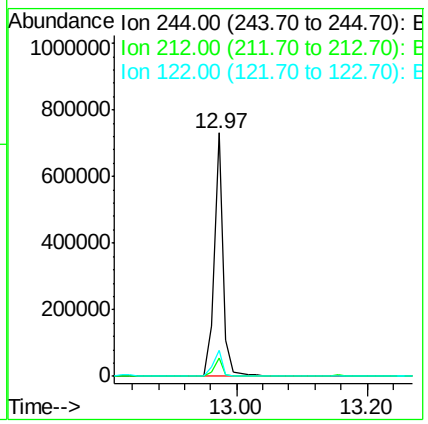




#78
Terphenyl-d14
Concen: 114.69 ng
RT: 12.97 min Scan# 948
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

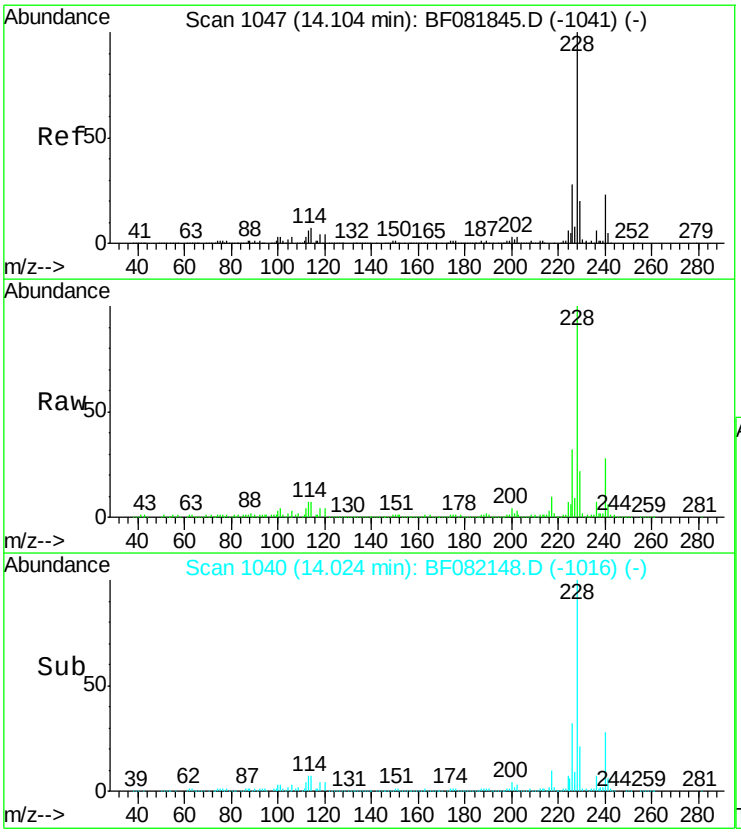
Tgt Ion:244 Resp: 714237

Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.3	6.5#
122	10.6	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

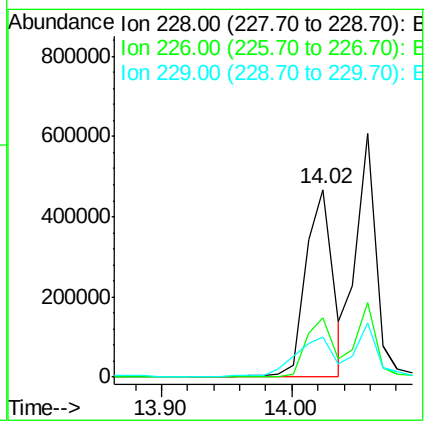
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

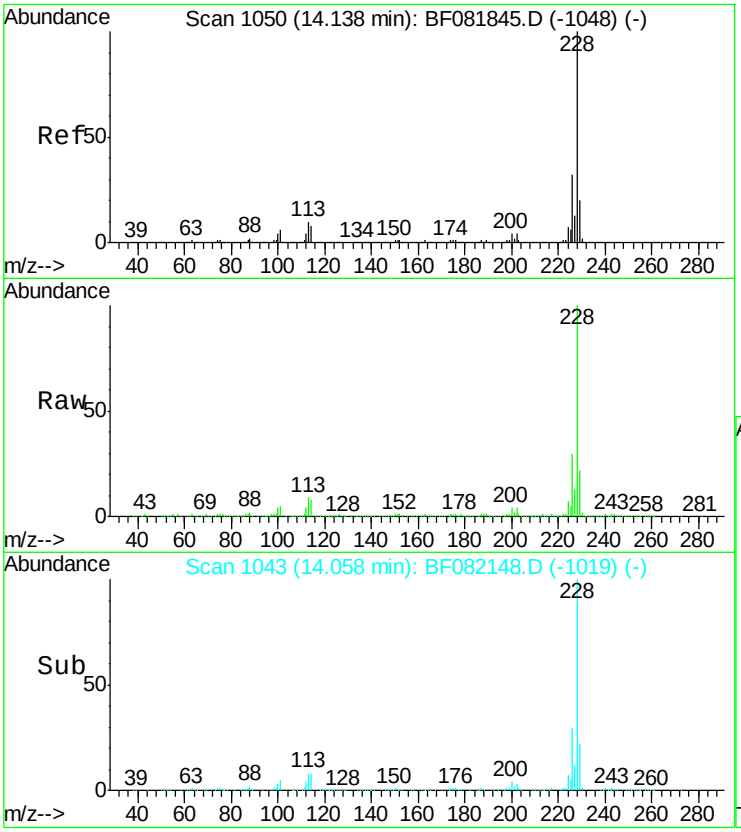


#80
Benzo(a)anthracene
Concen: 56.50 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:228 Resp: 675609

Ion	Ratio	Lower	Upper
228	100		
226	31.9	20.0	30.0#
229	21.6	15.4	23.2





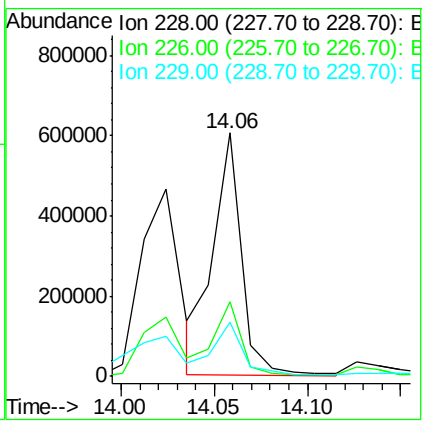
#82
Chrysene
Concen: 56.13 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

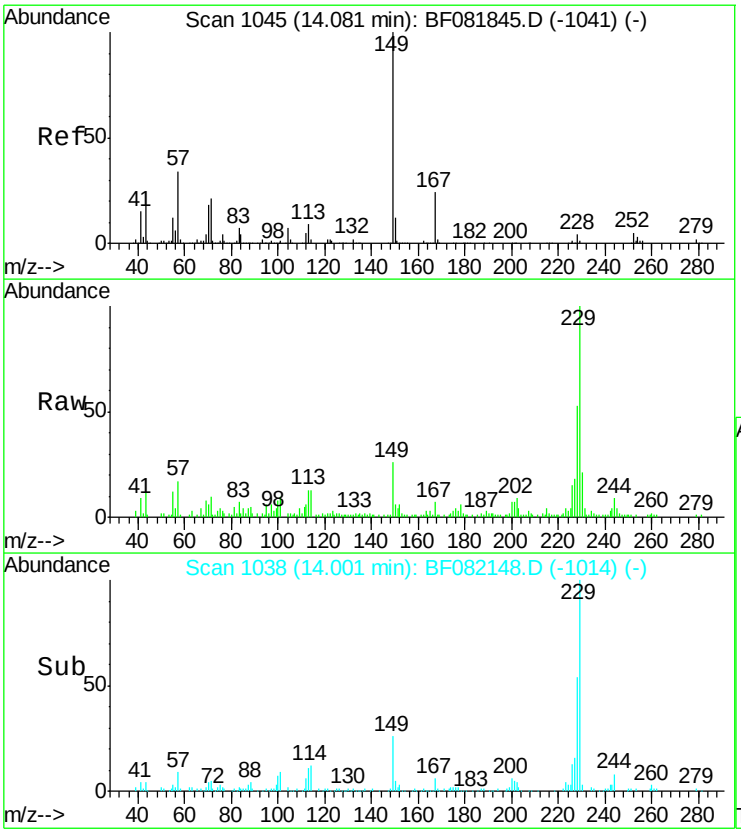
Tgt Ion:228 Resp: 643625

Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.0	31.4
229	22.3	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

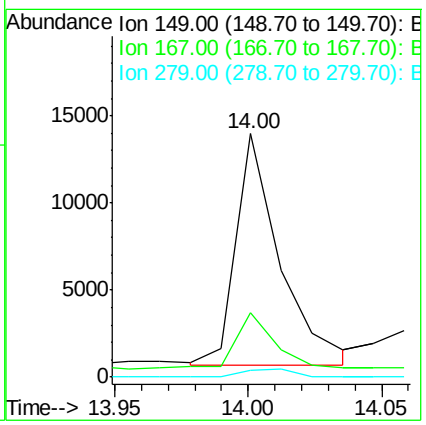


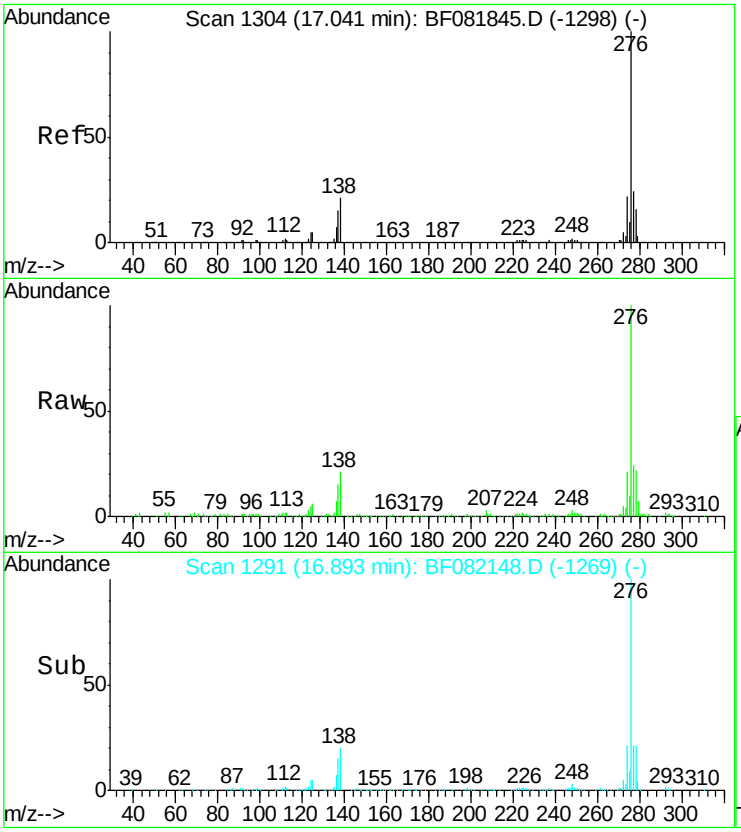


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.45 ng m
RT: 14.00 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:149 Resp: 15317

Ion	Ratio	Lower	Upper
149	100		
167	26.5	24.2	36.2
279	2.7	3.8	5.6#

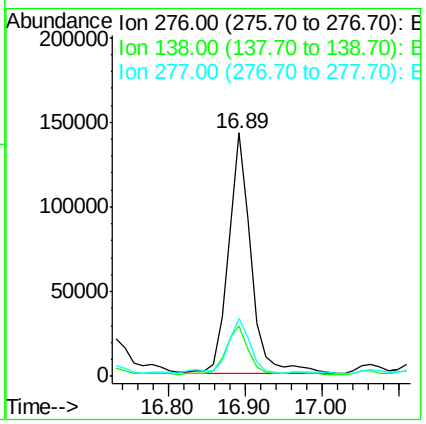




#85
Indeno(1,2,3-cd)pyrene
Concen: 31.30 ng
RT: 16.89 min Scan# 1291
Delta R.T. -0.05 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

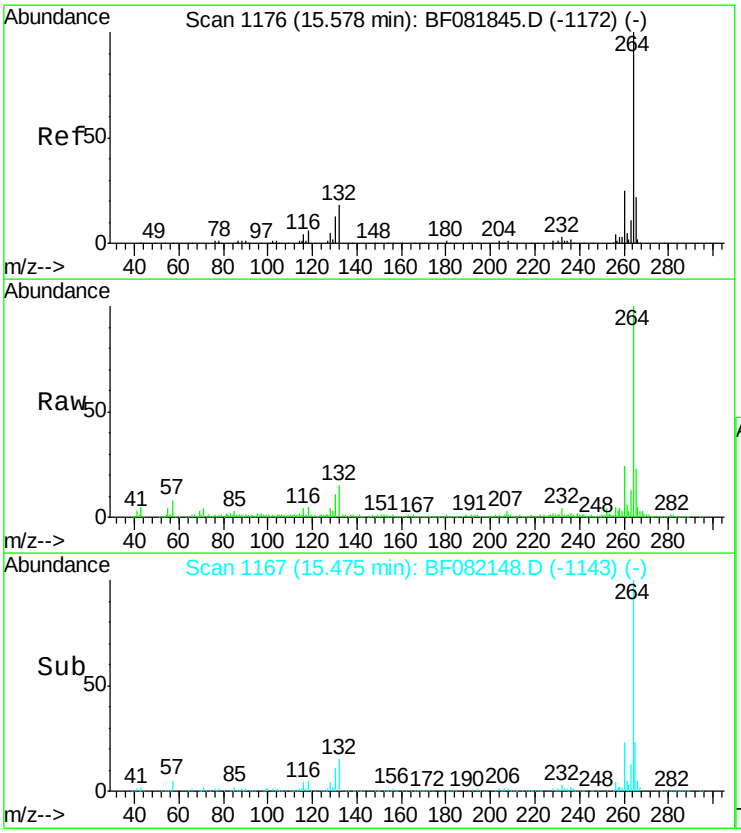
Tgt Ion:276 Resp: 292773

Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.7	38.5#
277	22.8	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

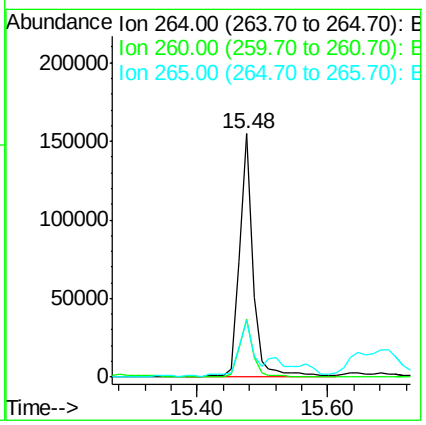
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

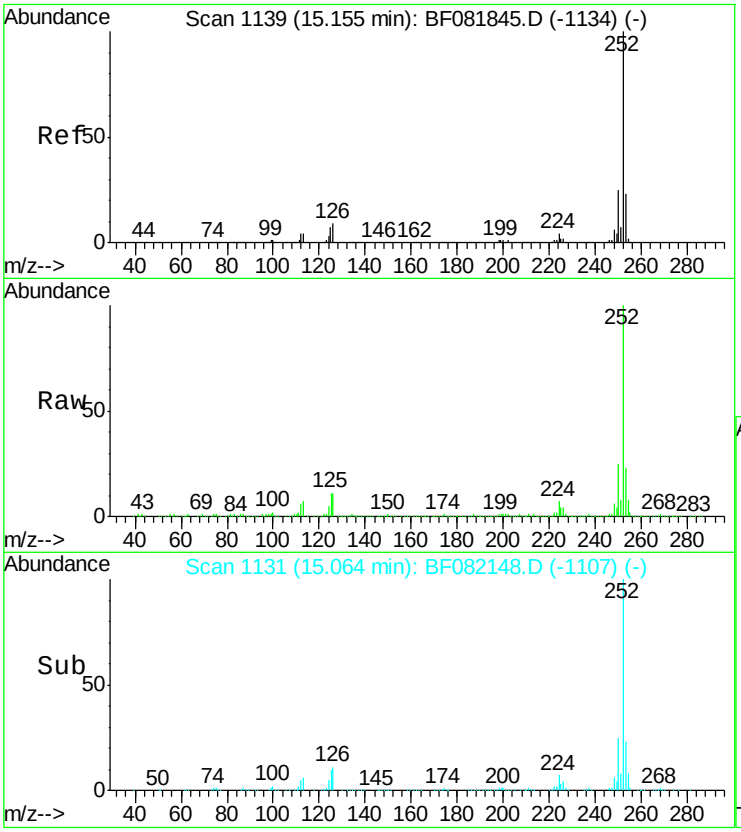


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:264 Resp: 221079

Ion	Ratio	Lower	Upper
264	100		
260	23.8	16.7	25.1
265	23.1	17.2	25.8





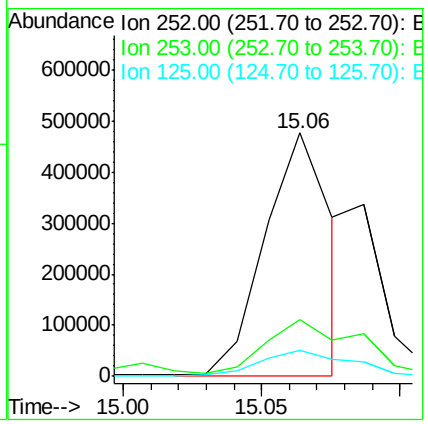
#87
Benzo(b)fluoranthene
Concen: 63.25 ng m
RT: 15.06 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

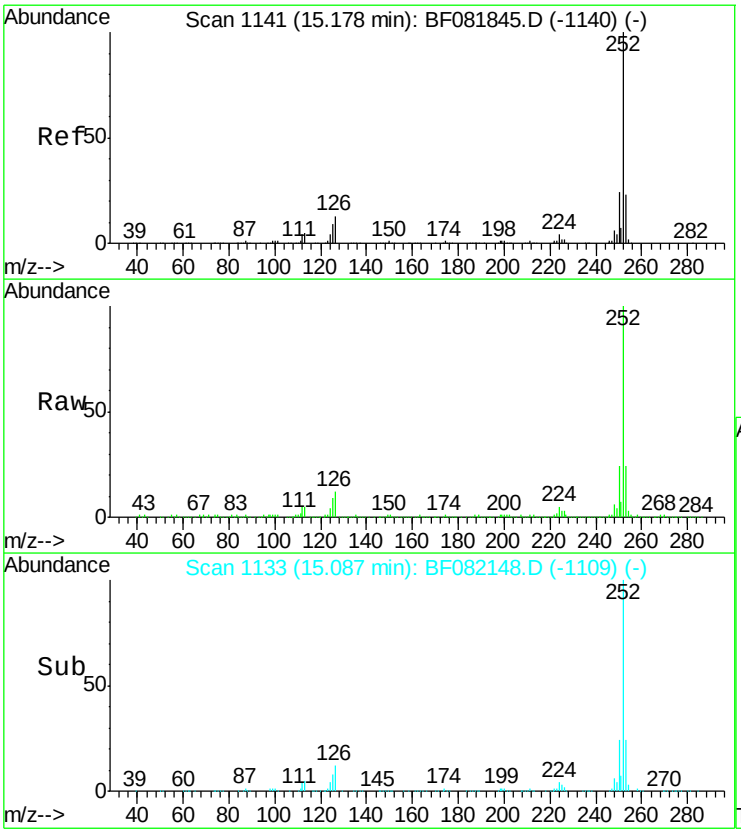
Tgt Ion:252 Resp: 798376

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.6	17.1	25.7#

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

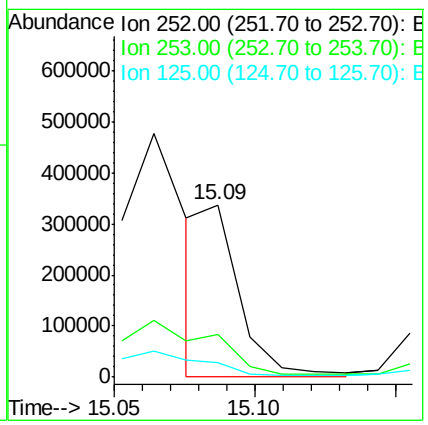


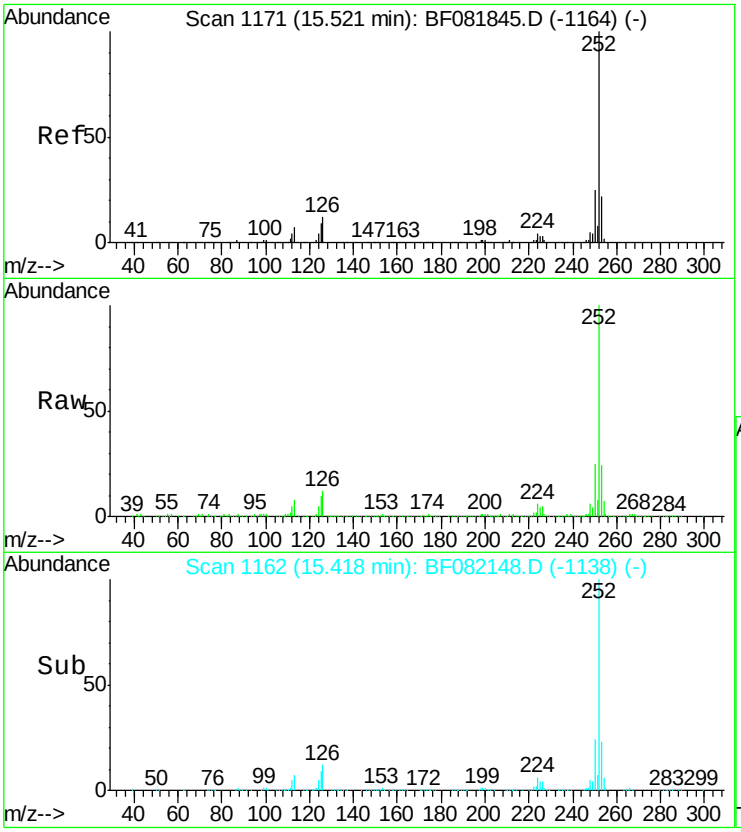


#88
Benzo(k)fluoranthene
Concen: 27.04 ng m
RT: 15.09 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:252 Resp: 312856

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.4
125	8.6	16.0	24.0#





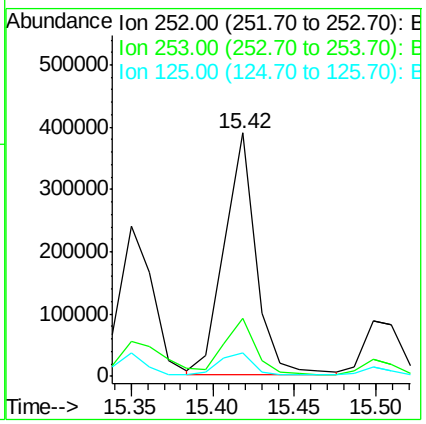
#89
Benzo(a)pyrene
Concen: 47.10 ng
RT: 15.42 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

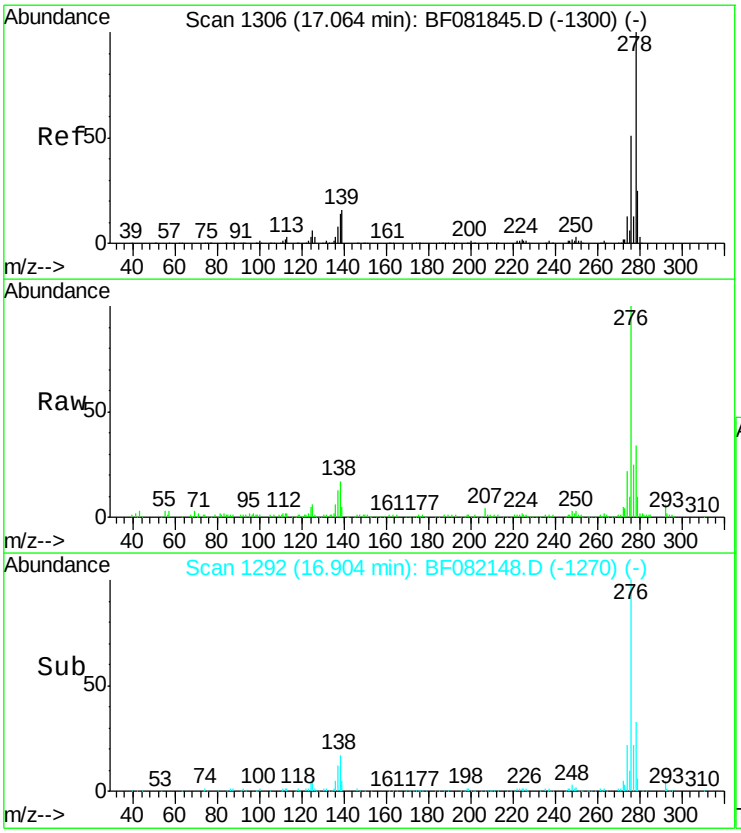
Tgt Ion:252 Resp: 515639

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	9.6	18.0	27.0#

Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM

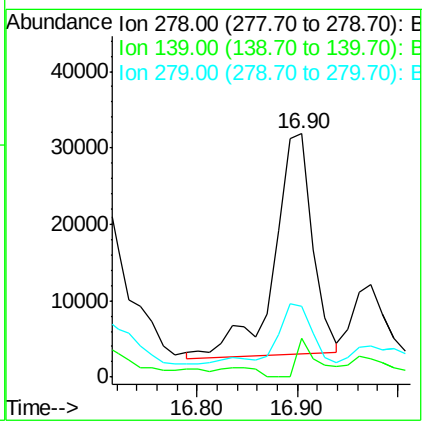


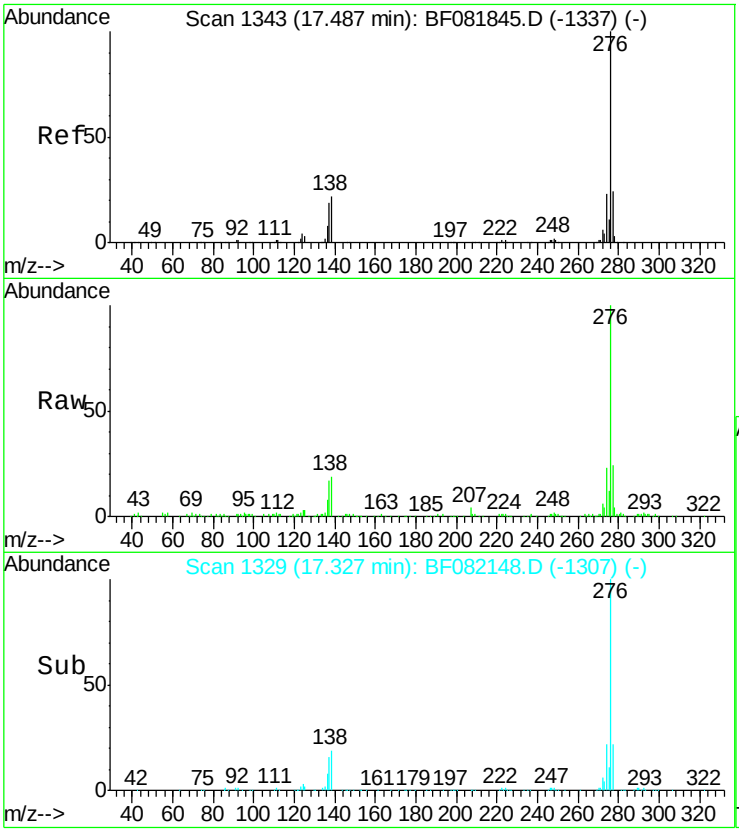


#90
Dibenzo(a,h)anthracene
Concen: 8.35 ng
RT: 16.90 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:278 Resp: 76685

Ion	Ratio	Lower	Upper
278	100		
139	16.0	26.3	39.5#
279	29.3	18.2	27.4#

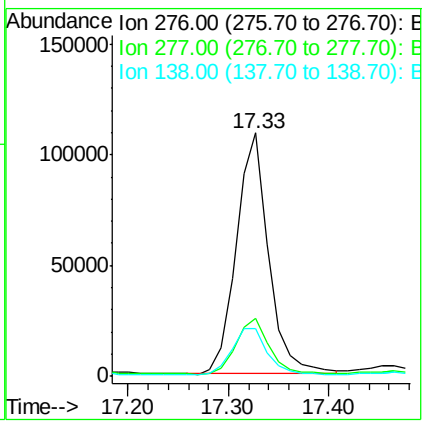




#91
Benzo(g,h,i)perylene
Concen: 25.65 ng
RT: 17.33 min Scan# 1329
Delta R.T. -0.05 min
Lab File: BF082148.D
Acq: 9 Oct 2015 16:37

Tgt Ion:276 Resp: 241512

Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.8	26.6
138	19.5	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
PROPOSED-FILL(BESM)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:43:34 PM