Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-COMP(1-8)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

Quant Time: Oct 10 04:13:31 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 22:47:26 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	101715	20.00	ng		-0.01
21) Naphthalene-d8	8.14	136	380079	20.00	ng		0.00
38) Acenaphthene-d10	9.90	164	170048	20.00	ng		0.00
63) Phenanthrene-d10	11.39	188	244915	20.00	ng		0.01
75) Chrysene-d12	14.05	240	177907	20.00	ng		0.01
86) Perylene-d12	15.49	264	164323	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	532637	95.06	ng		0.01
7) Phenol-d6	6.49	99	754418	107.00	ng		0.00
23) Nitrobenzene-d5	7.42	82	410880	72.06	ng		-0.01
41) 2,4,6-Tribromophenol	10.69	330	122929	71.38	ng		-0.01
44) 2-Fluorobiphenyl	9.21	172	628285	58.13	ng		-0.01
78) Terphenyl-d14	12.97	244	431926	76.20	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.16	128	658447	39.10	ng		97
37) 2-Methylnaphthalene	8.86	142	272940	23.74	ng	#	94
45) 1,1'-Biphenyl	9.31	154	119931	9.14	ng		96
49) Dimethylphthalate	9.61	163	156230	13.31	ng	#	97
51) Acenaphthene	9.93	154	552455	56.43	ng		89
54) Dibenzofuran	10.10	168	640791m	46.31	ng		
57) Fluorene	10.45	166	683065	70.22	ng		92
70) Phenanthrene	11.43	178	3729090m	326.83	ng		
71) Anthracene	11.47	178	1509877	121.29	ng		94
72) Carbazole	11.62	167	455387	40.42	ng		96
74) Fluoranthene	12.62	202	3606424	274.88	ng		90
77) Pyrene	12.85	202	3043690	286.38	ng	#	89
80) Benzo(a)anthracene	14.04	228	1609793	168.04	ng		93
82) Chrysene	14.07	228	1189150m	Below Cal			
83) Bis(2-ethylhexyl)phthalate	14.01	149	38091	7.59	ng	#	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	519960	69.38	ng	#	82
87) Benzo(b)fluoranthene	15.08	252	1228926m	130.99	ng		
88) Benzo(k)fluoranthene	15.10	252	443644m	51.59	ng		
89) Benzo(a)pyrene	15.43	252	924097	113.55	ng	#	85
90) Dibenzo(a,h)anthracene	16.93	278	104480	15.30	ng	#	77
91) Benzo(g,h,i)perylene	17.35	276	475841	68.01	ng	#	77

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

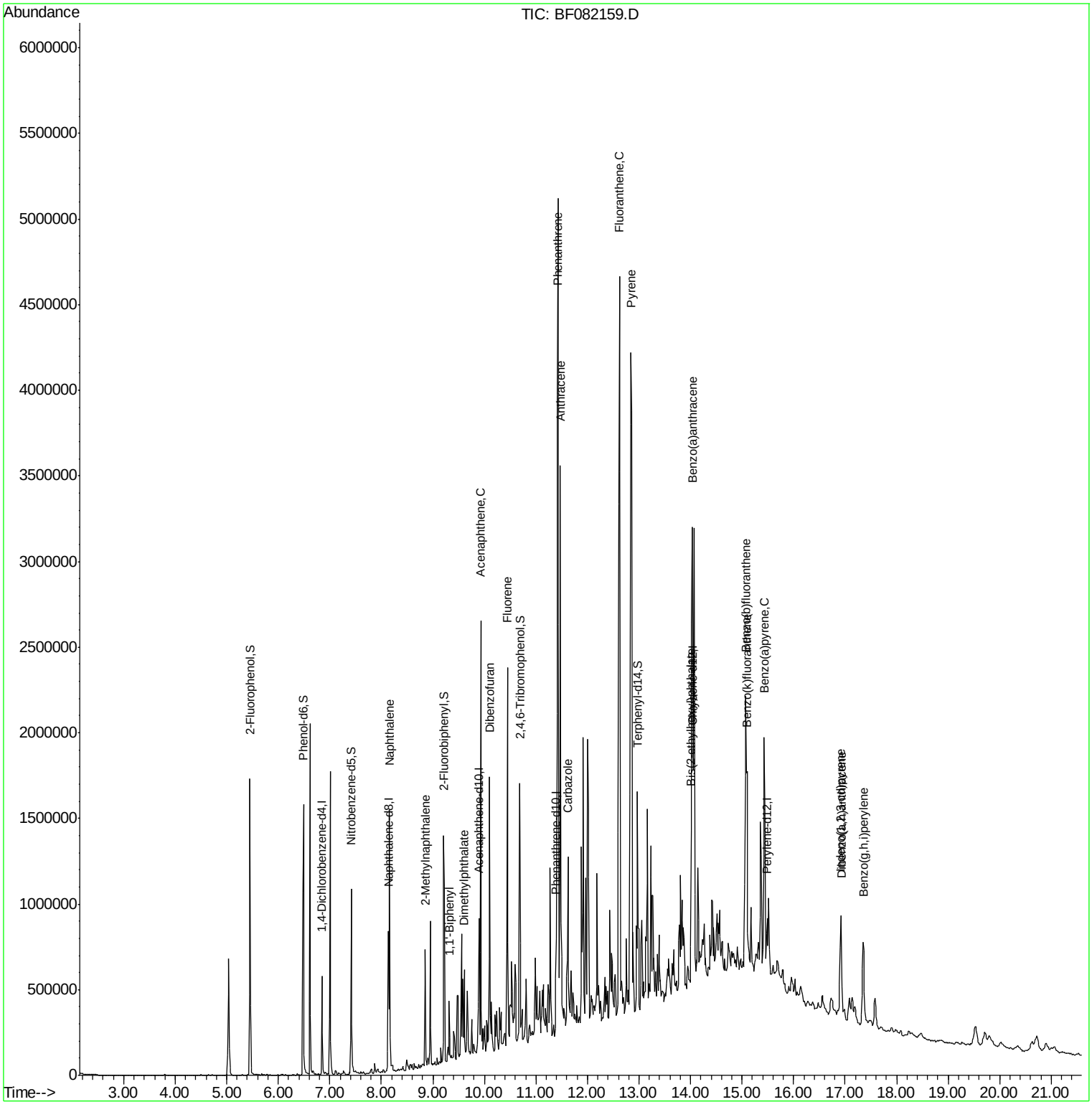
Quantitation Report (LSC Reviewed)

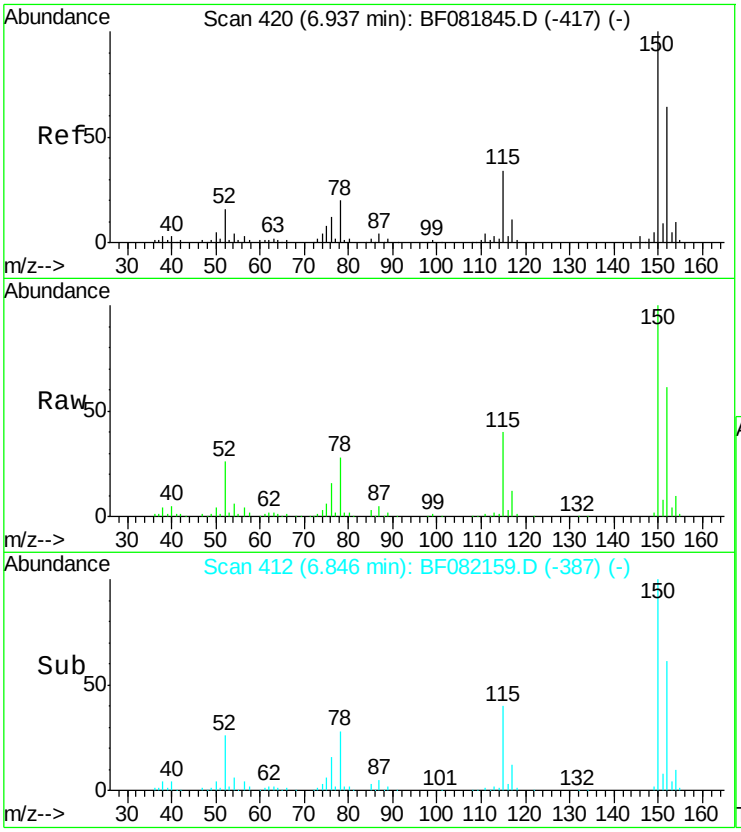
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082159.D
Acq On : 9 Oct 2015 22:15
Operator : UM/IZ
Sample : G3921-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 04:13:31 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 22:47:26 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

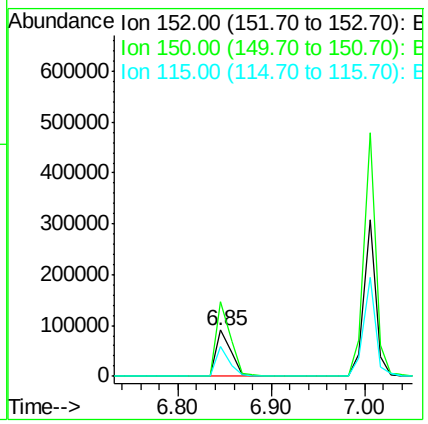




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 412
Delta R.T. -0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

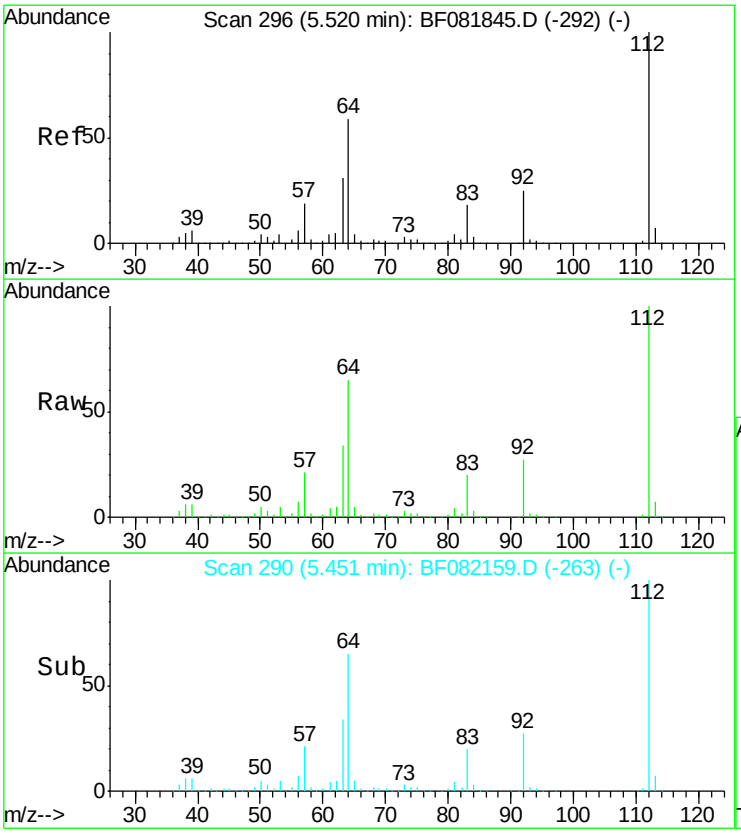
Tgt Ion:152 Resp: 101715

Ion	Ratio	Lower	Upper
152	100		
150	163.3	124.7	187.1
115	65.9	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

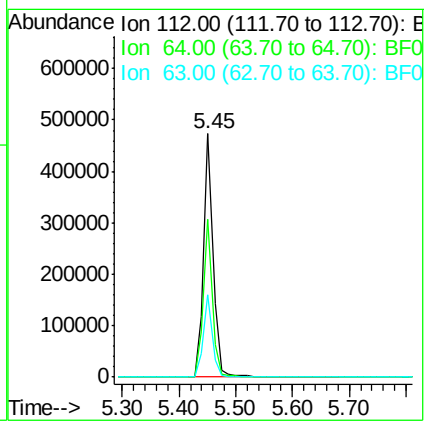
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

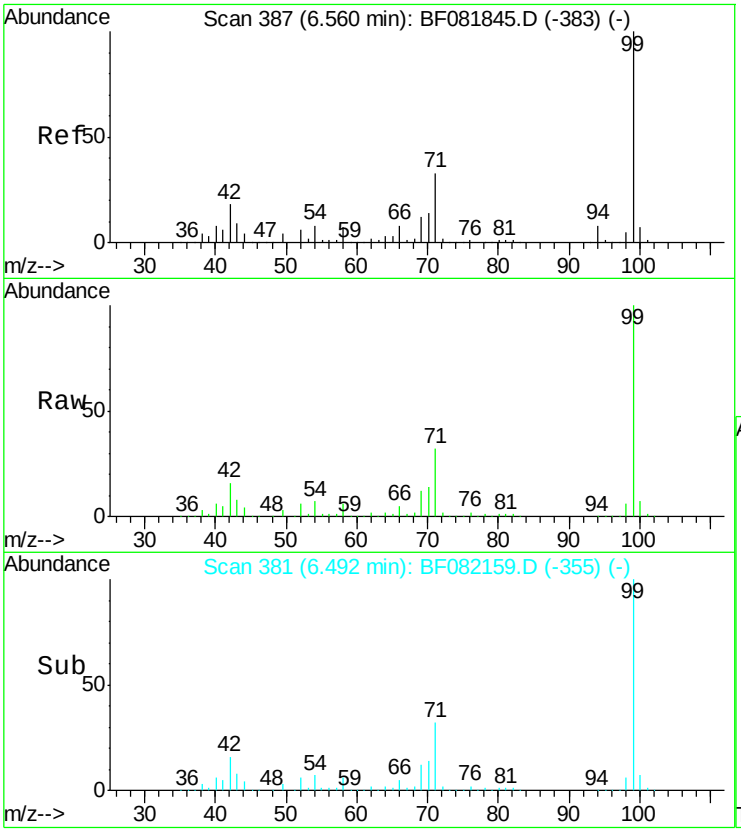


#5
2-Fluorophenol
Concen: 95.06 ng
RT: 5.45 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:112 Resp: 532637

Ion	Ratio	Lower	Upper
112	100		
64	64.8	39.7	59.5#
63	34.0	17.4	26.0#

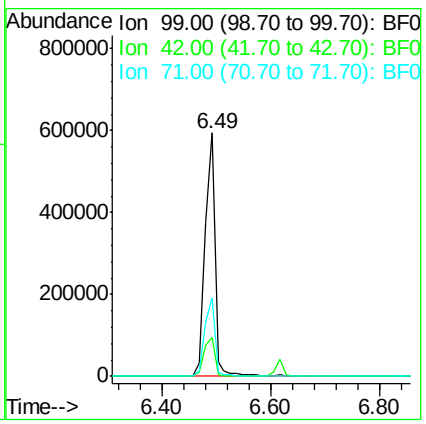




#7
Phenol-d6
Concen: 107.00 ng
RT: 6.49 min Scan# 381
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

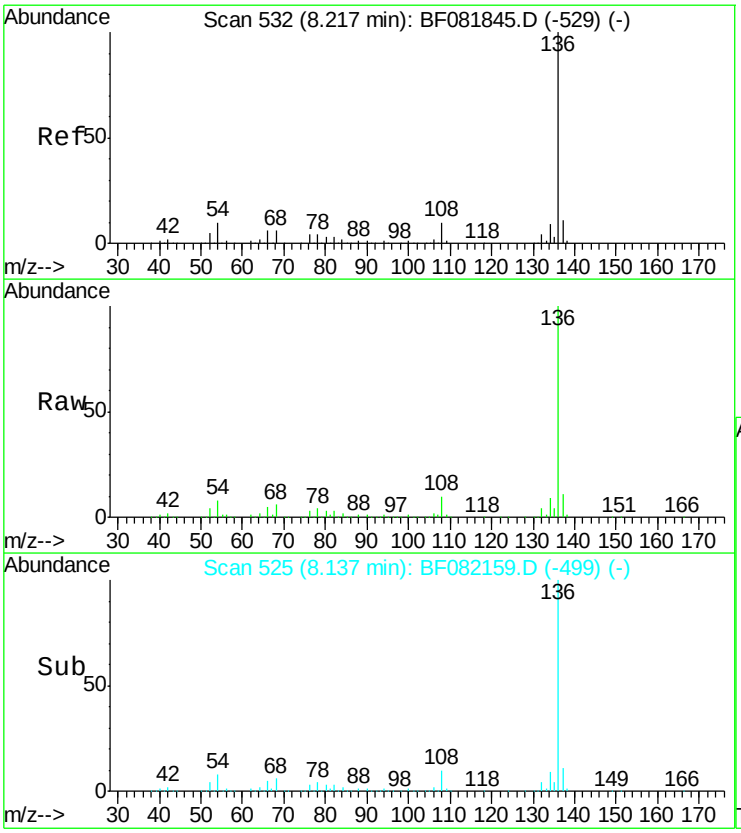
Tgt Ion: 99 Resp: 754418

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.7	20.5
71	32.4	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

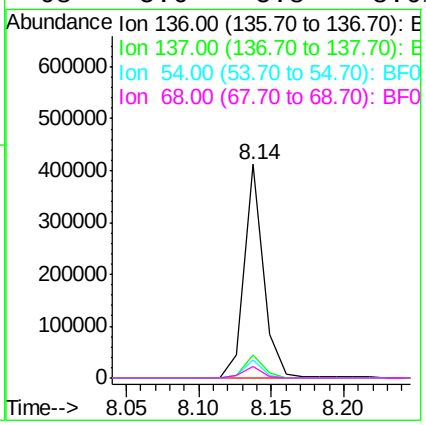
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

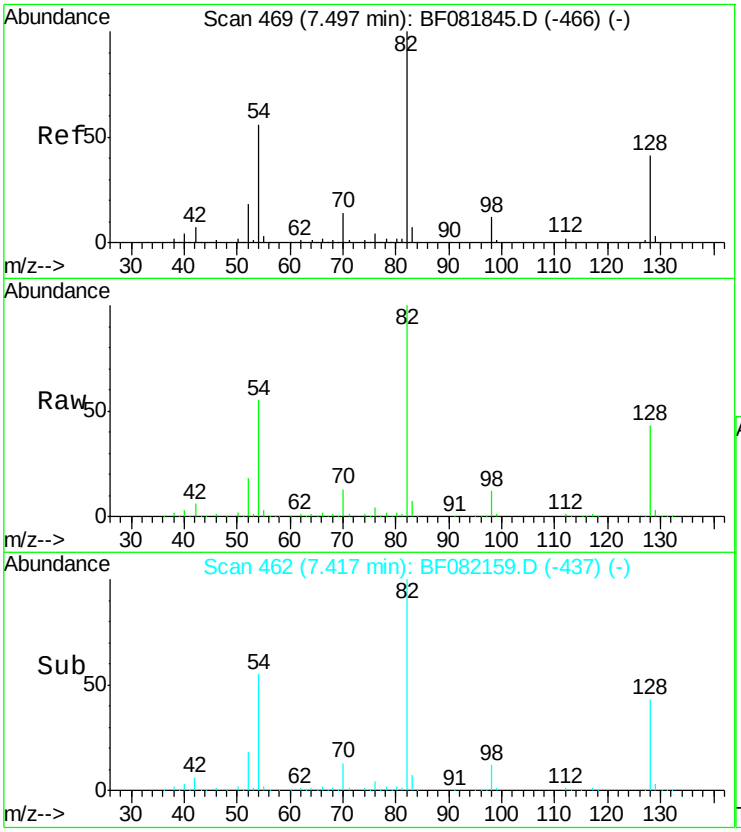


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:136 Resp: 380079

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	8.4	8.2	12.2
68	5.6	5.8	8.6#

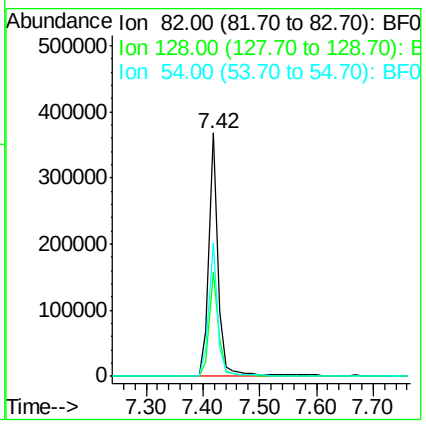




#23
Nitrobenzene-d5
Concen: 72.06 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

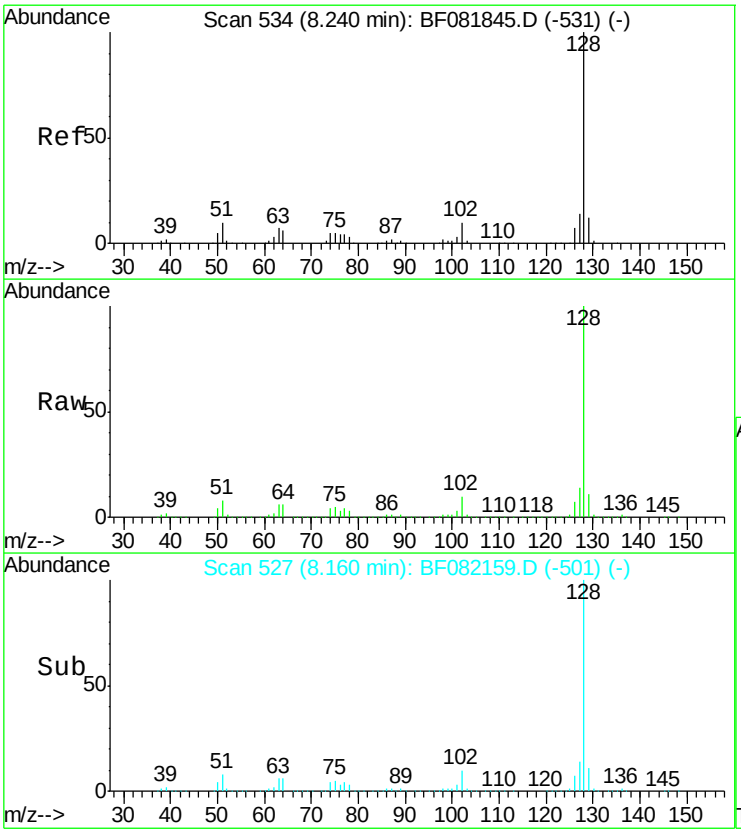
Tgt Ion: 82 Resp: 410880

Ion	Ratio	Lower	Upper
82	100		
128	42.6	51.0	76.6#
54	54.8	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

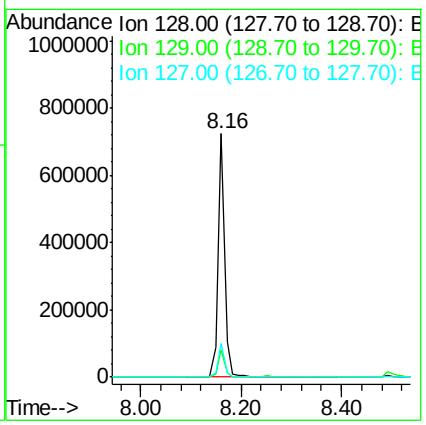
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

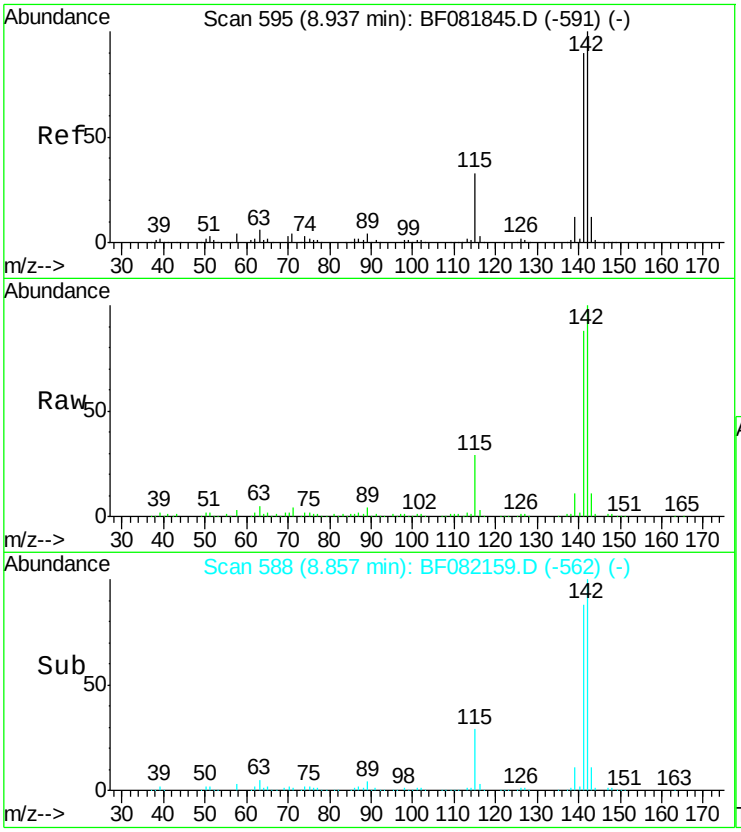


#31
Naphthalene
Concen: 39.10 ng
RT: 8.16 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:128 Resp: 658447

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	13.6	9.9	14.9

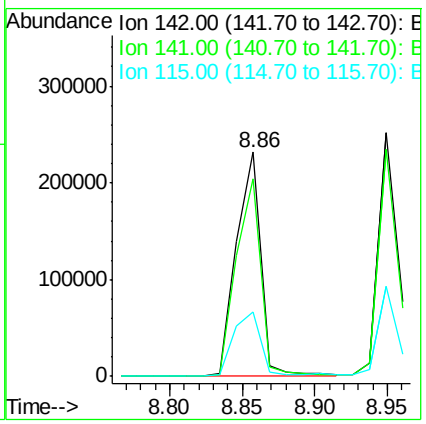




#37
2-Methylnaphthalene
Concen: 23.74 ng
RT: 8.86 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

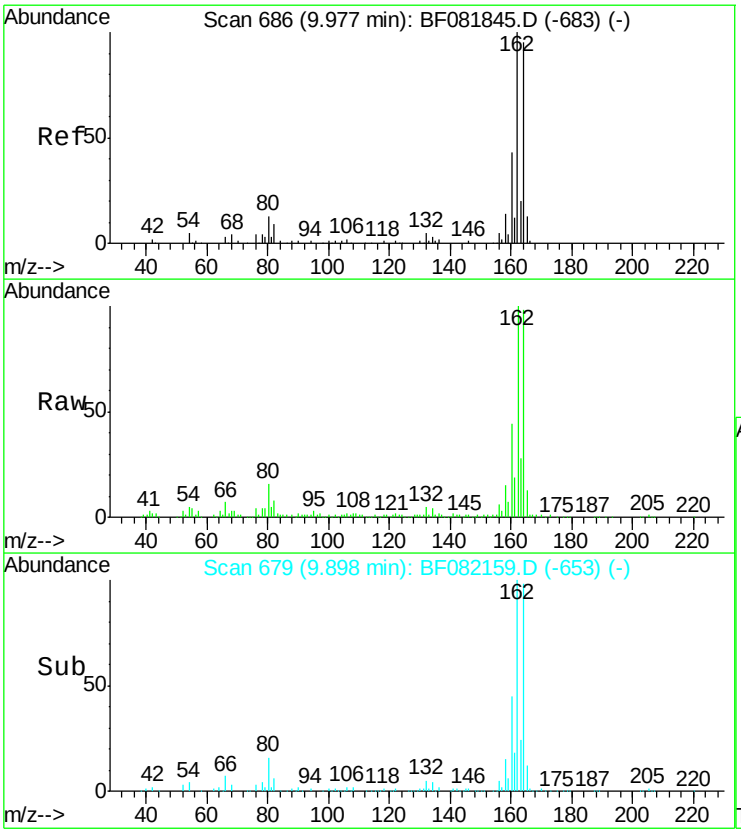
Tgt Ion:142 Resp: 272940

Ion	Ratio	Lower	Upper
142	100		
141	88.1	67.5	101.3
115	28.9	18.2	27.2#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

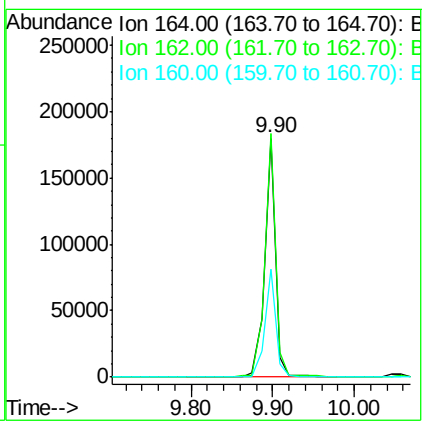
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

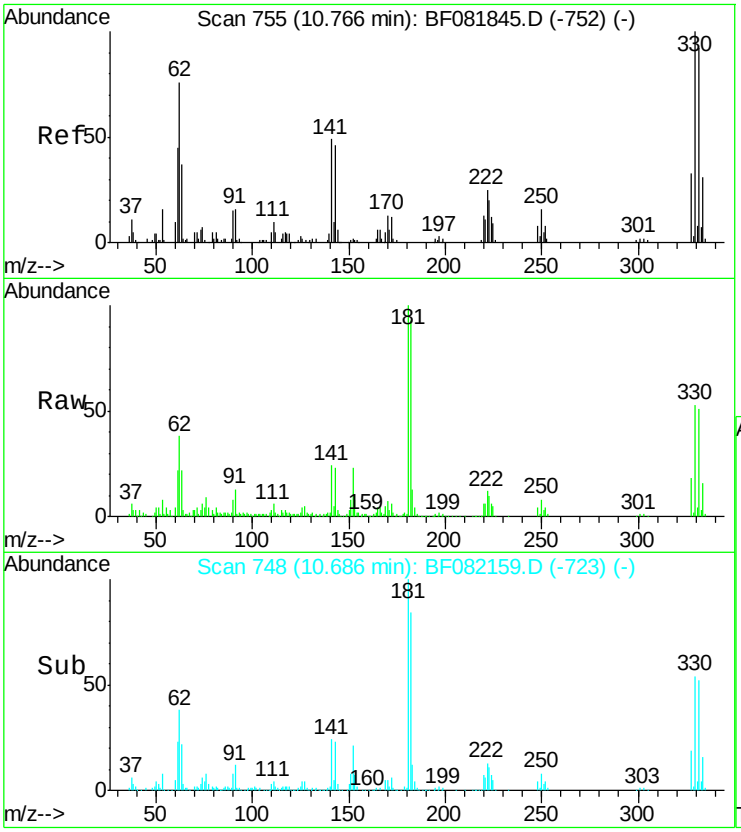


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:164 Resp: 170048

Ion	Ratio	Lower	Upper
164	100		
162	102.0	75.2	112.8
160	45.3	31.5	47.3

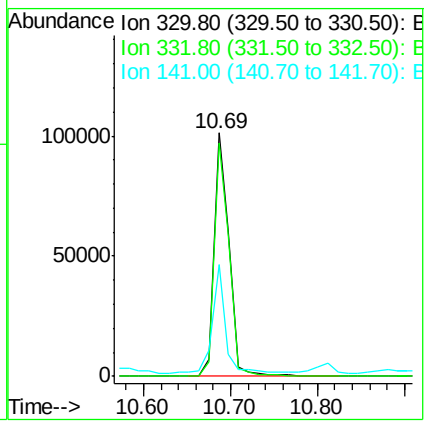




#41
2,4,6-Tribromophenol
Concen: 71.38 ng
RT: 10.69 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

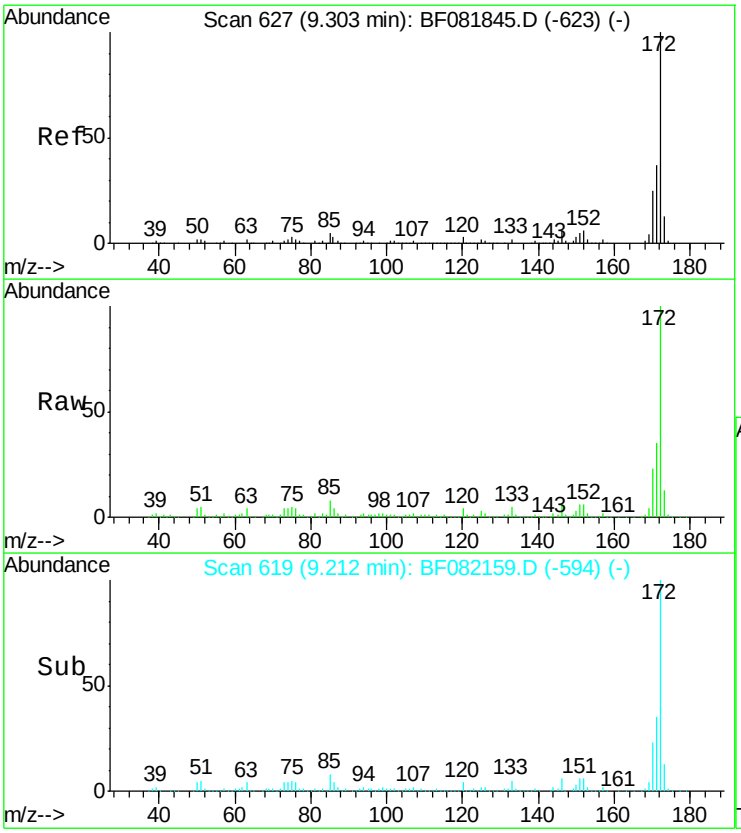
Tgt Ion:330 Resp: 122929

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	38.4	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

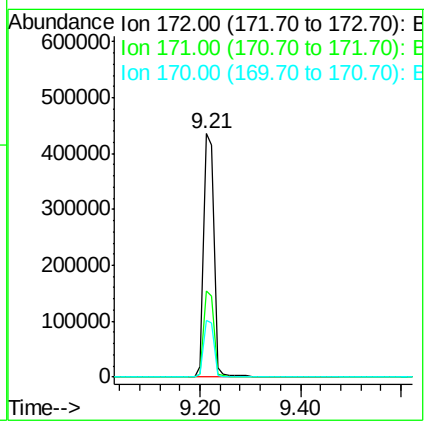
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

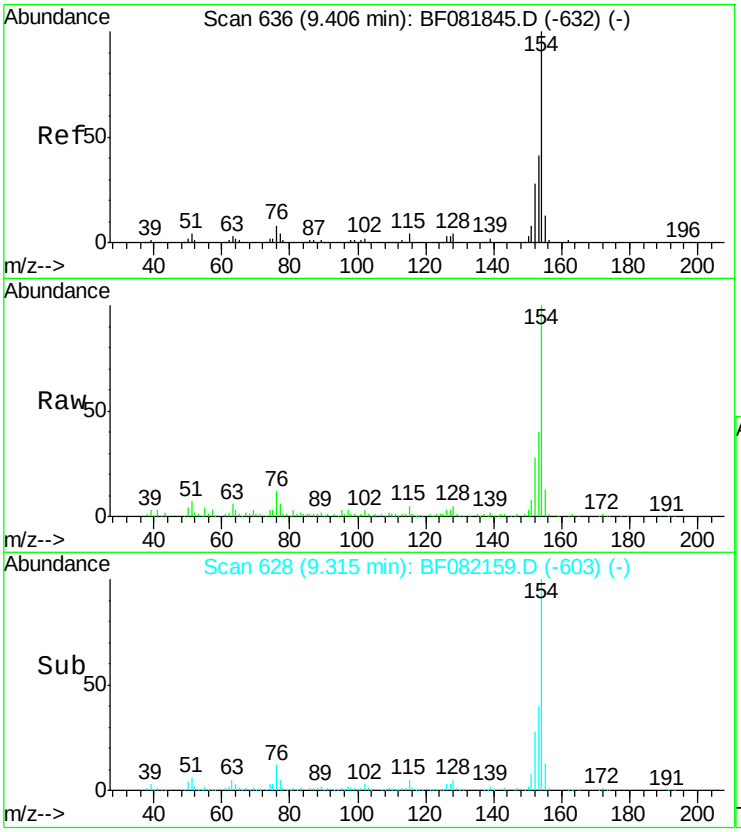


#44
2-Fluorobiphenyl
Concen: 58.13 ng
RT: 9.21 min Scan# 619
Delta R.T. -0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:172 Resp: 628285

Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.1	39.1
170	23.5	17.4	26.2

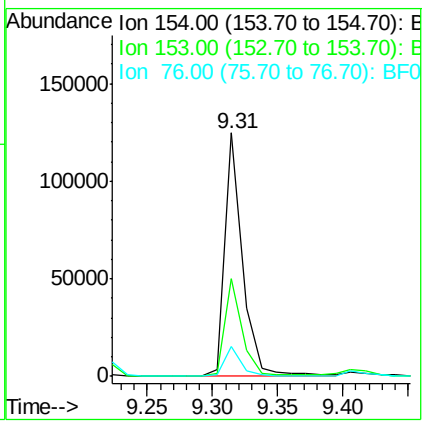




#45
1,1'-Biphenyl
Concen: 9.14 ng
RT: 9.31 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

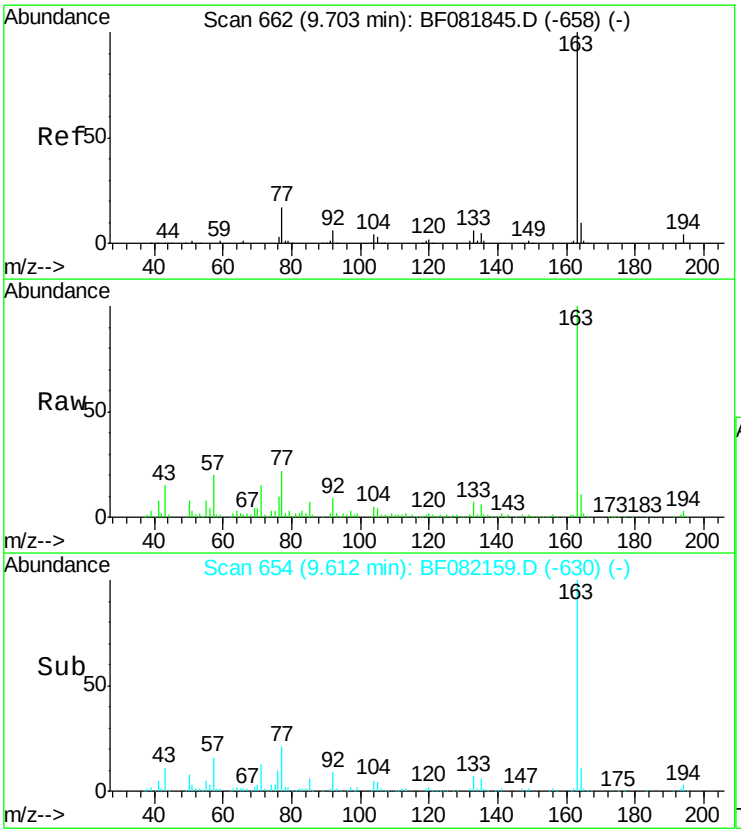
Tgt Ion:154 Resp: 119931

Ion	Ratio	Lower	Upper
154	100		
153	40.0	17.1	57.1
76	12.1	0.0	31.6



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

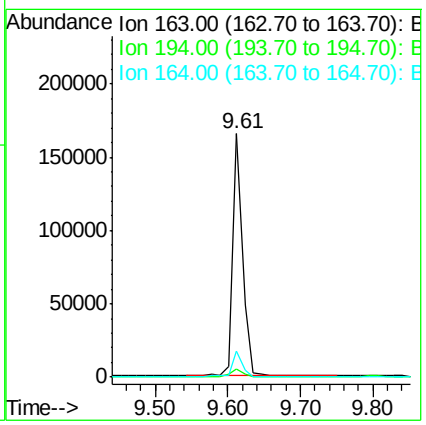
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

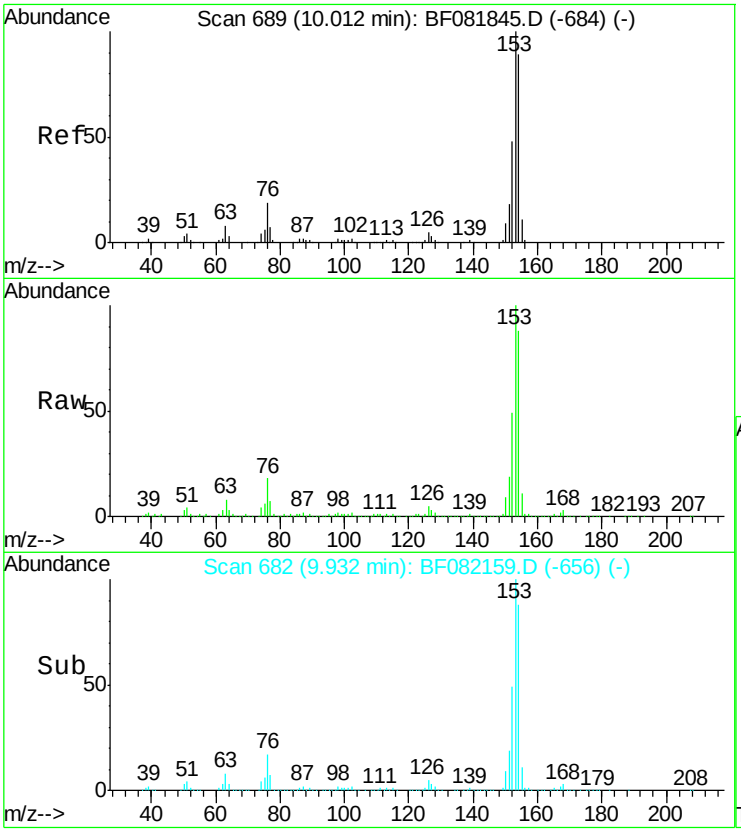


#49
Dimethylphthalate
Concen: 13.31 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:163 Resp: 156230

Ion	Ratio	Lower	Upper
163	100		
194	3.2	4.4	6.6#
164	10.6	8.3	12.5

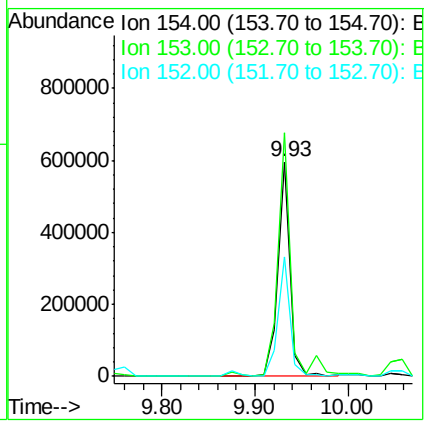




#51
Acenaphthene
Concen: 56.43 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

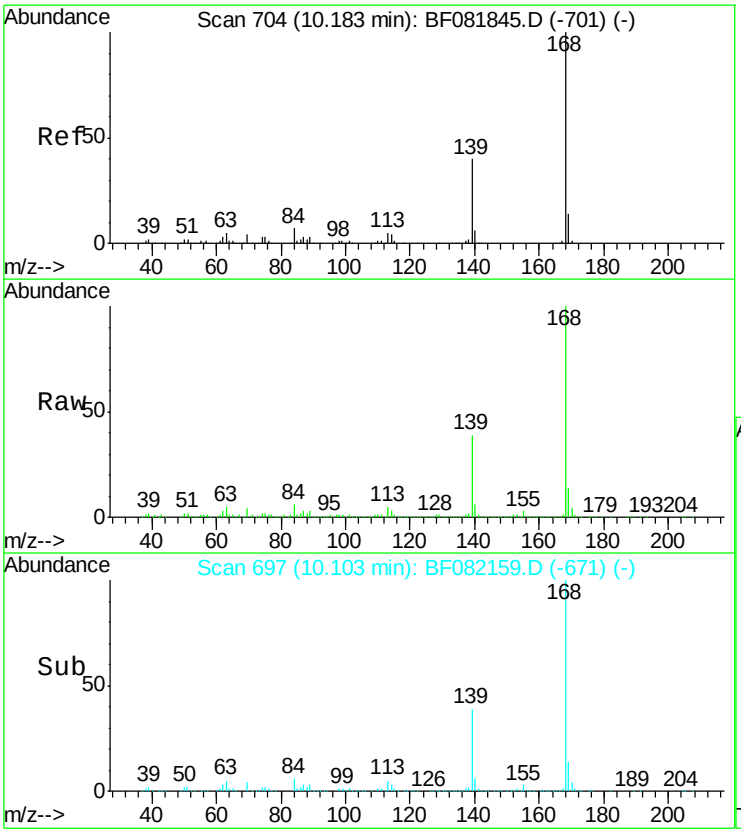
Tgt Ion:154 Resp: 552455

Ion	Ratio	Lower	Upper
154	100		
153	113.7	82.1	123.1
152	55.7	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

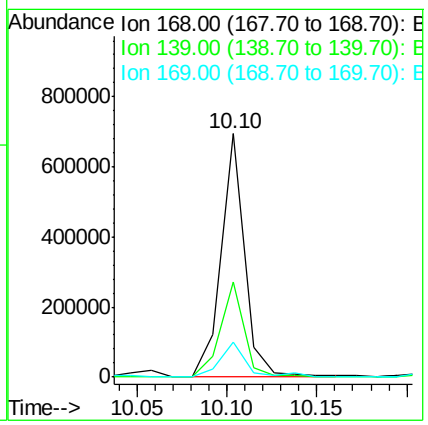
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

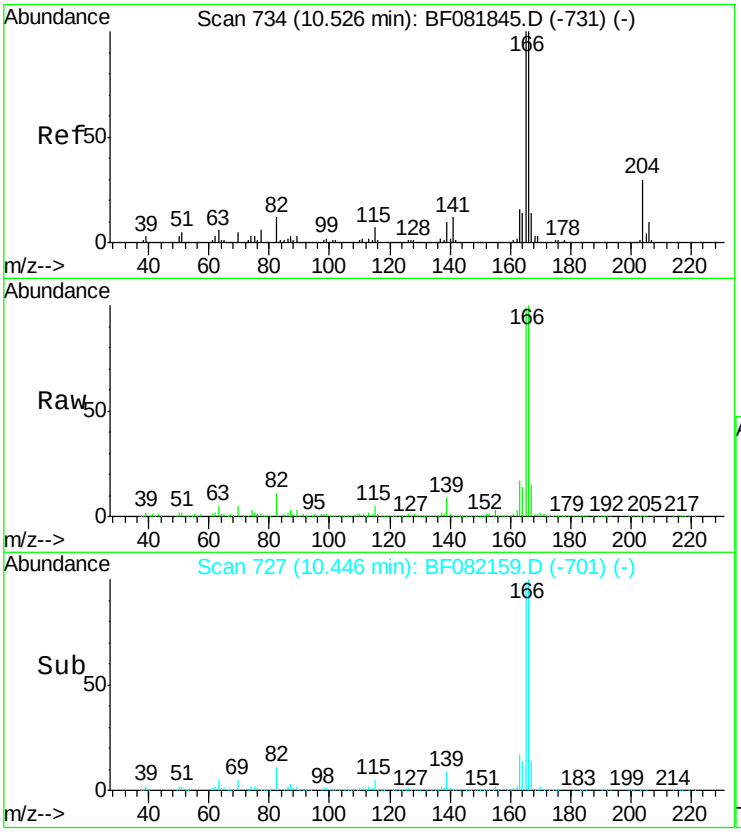


#54
Dibenzofuran
Concen: 46.31 ng m
RT: 10.10 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:168 Resp: 640791

Ion	Ratio	Lower	Upper
168	100		
139	39.0	24.2	36.2#
169	14.4	10.6	15.8

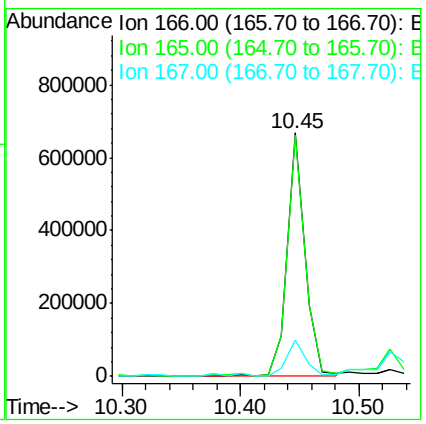




#57
Fluorene
Concen: 70.22 ng
RT: 10.45 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

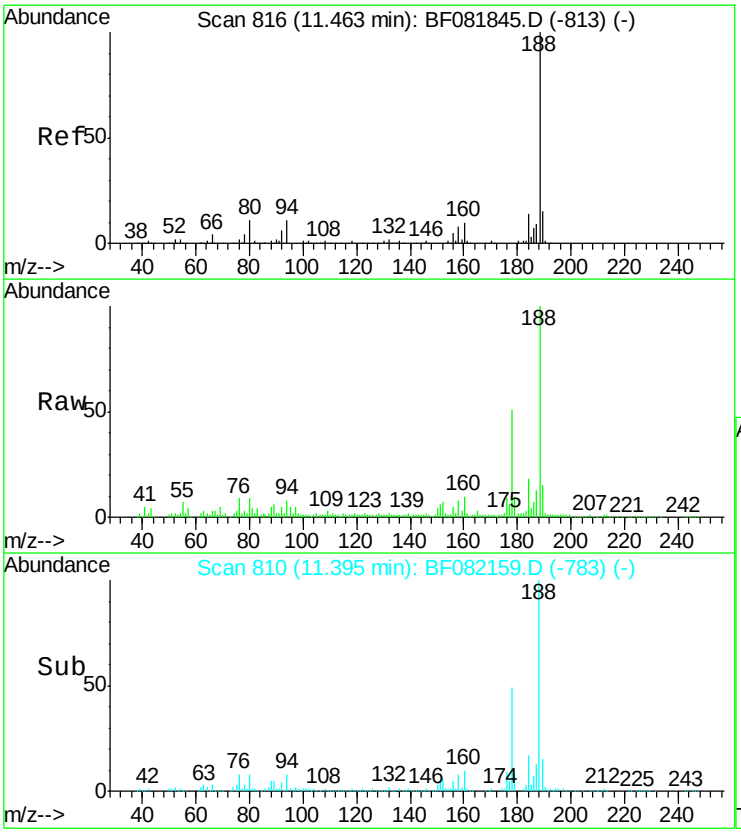
Tgt Ion:166 Resp: 683065

Ion	Ratio	Lower	Upper
166	100		
165	99.1	72.6	109.0
167	15.0	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

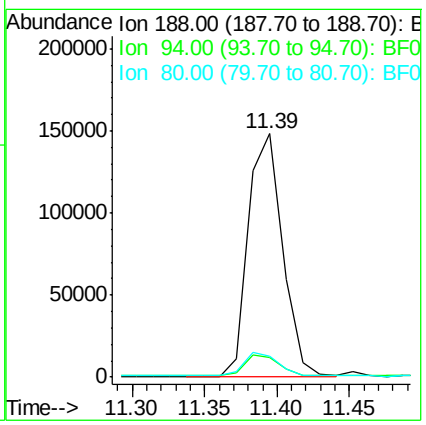
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

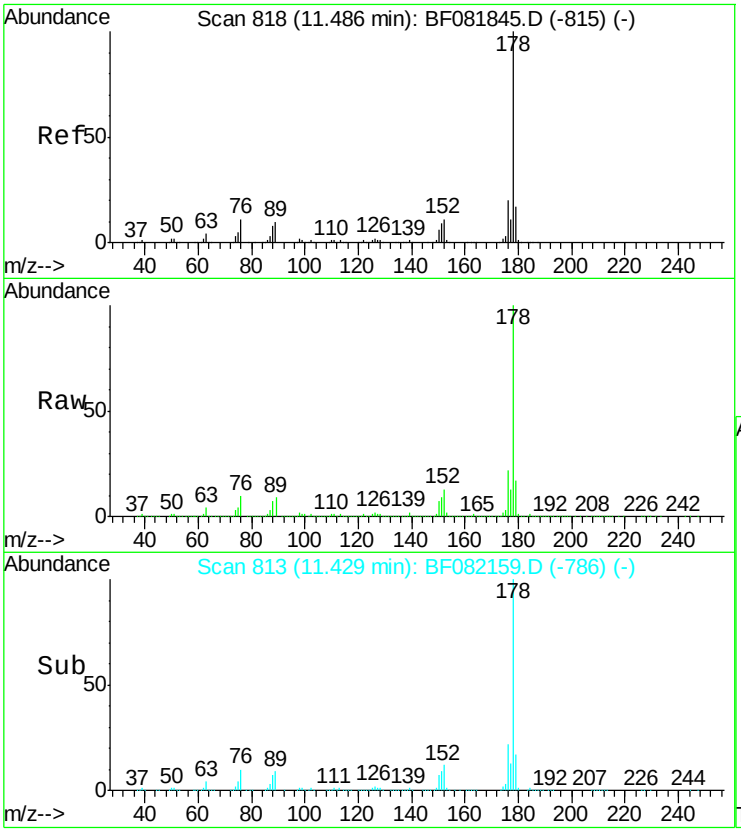


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:188 Resp: 244915

Ion	Ratio	Lower	Upper
188	100		
94	8.2	11.1	16.7#
80	8.8	11.0	16.4#

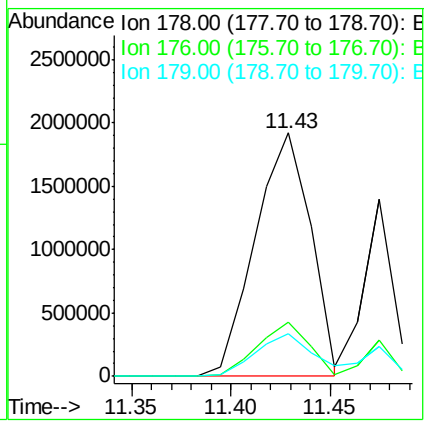




#70
Phenanthrene
Concen: 326.83 ng m
RT: 11.43 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

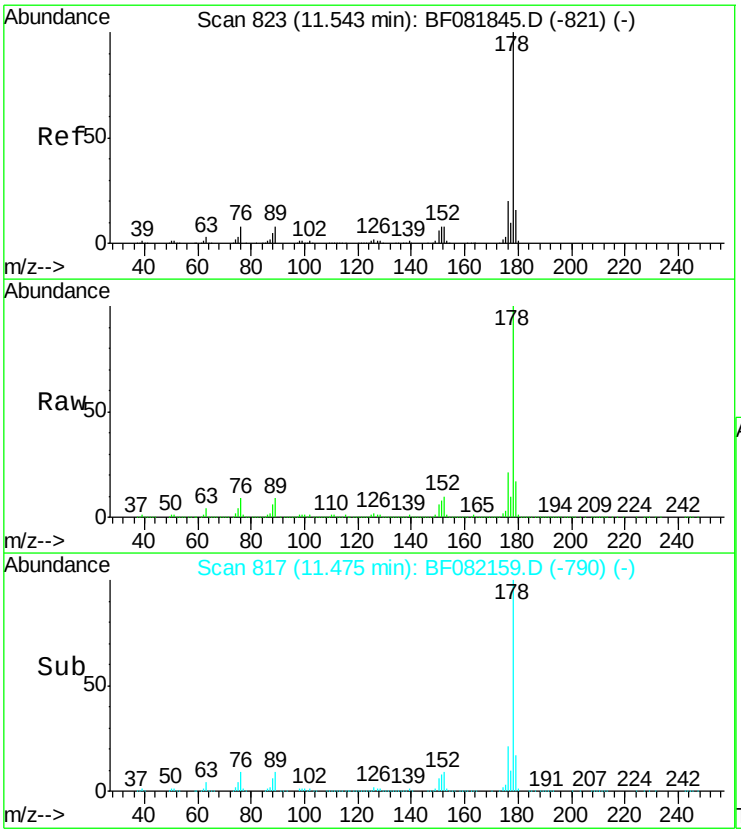
Tgt Ion:178 Resp: 3729090

Ion	Ratio	Lower	Upper
178	100		
176	22.2	13.8	20.8#
179	17.4	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

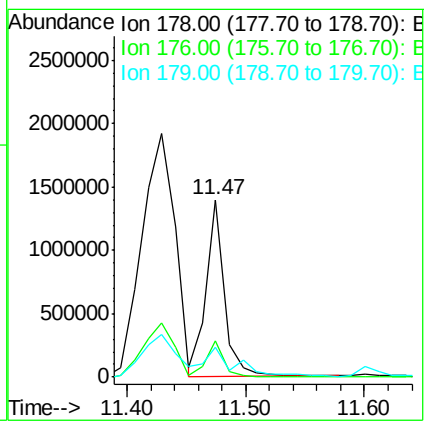
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

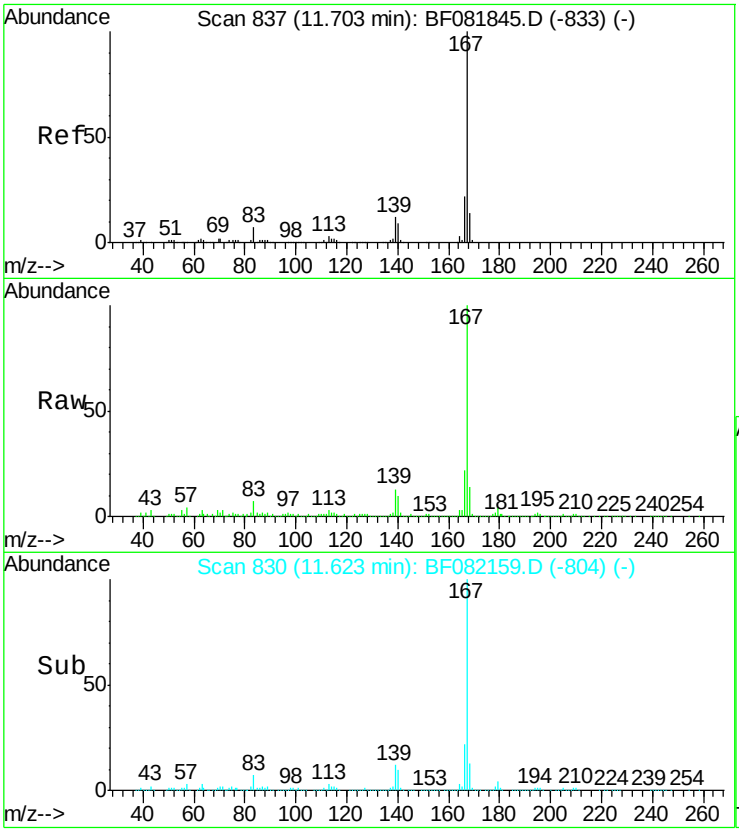


#71
Anthracene
Concen: 121.29 ng
RT: 11.47 min Scan# 817
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:178 Resp: 1509877

Ion	Ratio	Lower	Upper
178	100		
176	20.6	14.1	21.1
179	16.9	12.2	18.2

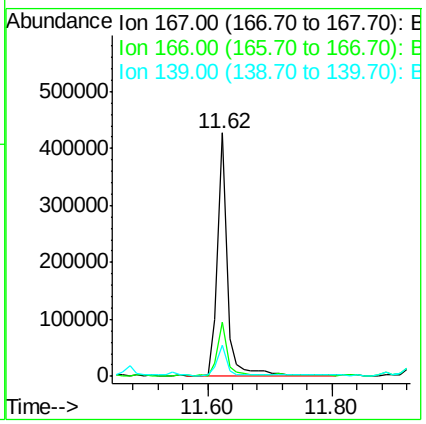




#72
Carbazole
Concen: 40.42 ng
RT: 11.62 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

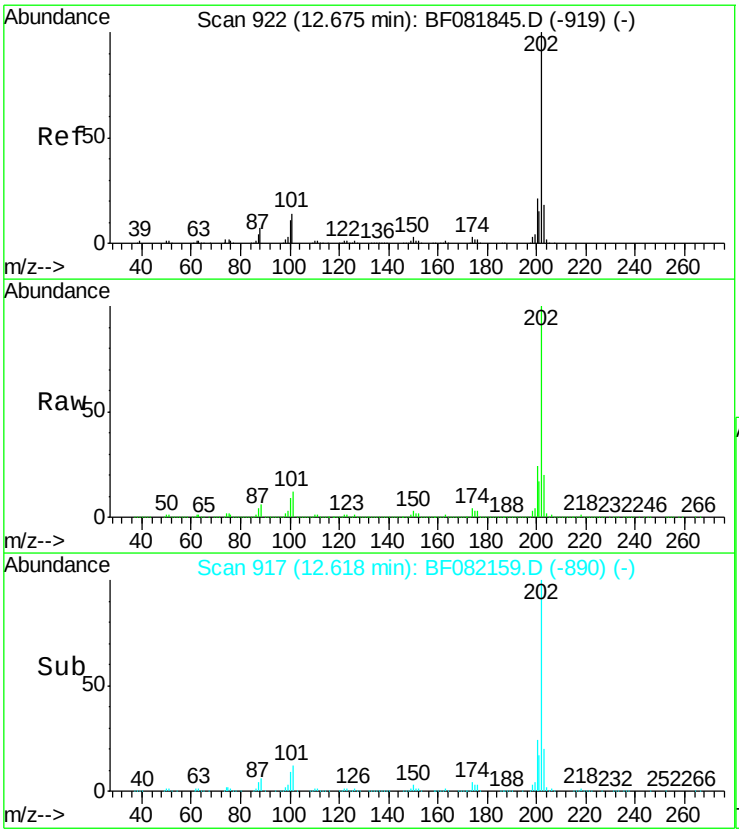
Tgt Ion:167 Resp: 455387

Ion	Ratio	Lower	Upper
167	100		
166	22.2	15.7	23.5
139	12.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

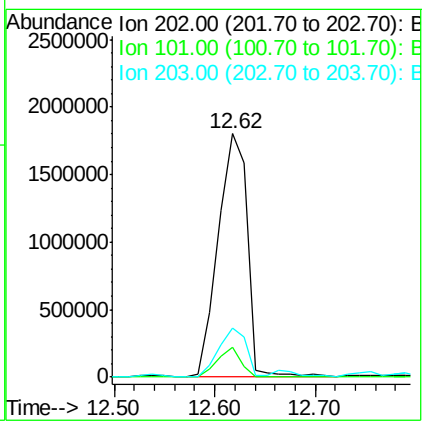
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

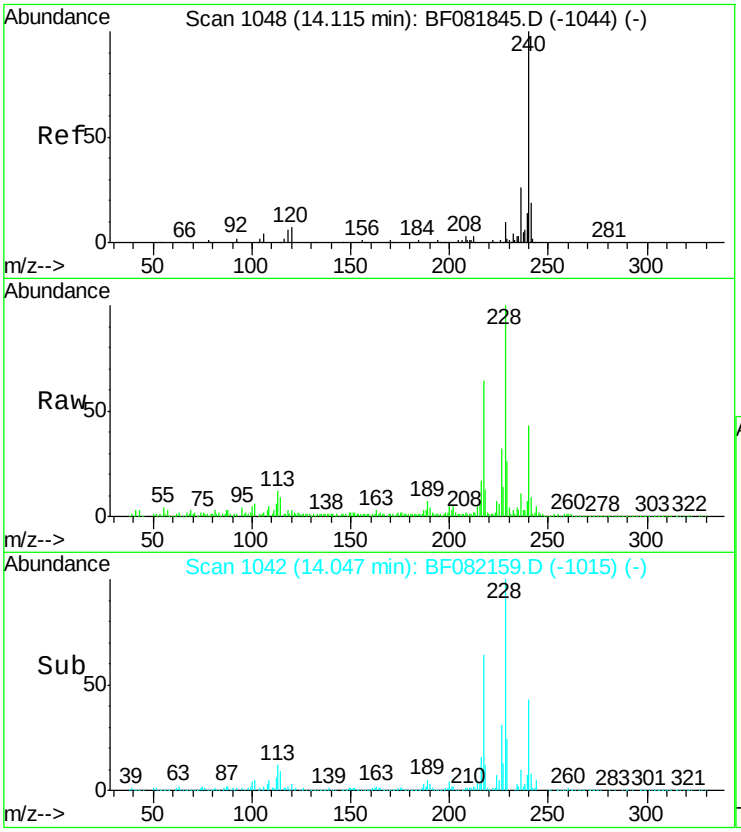


#74
Fluoranthene
Concen: 274.88 ng
RT: 12.62 min Scan# 917
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:202 Resp: 3606424

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	38.3
203	20.0	0.0	37.3

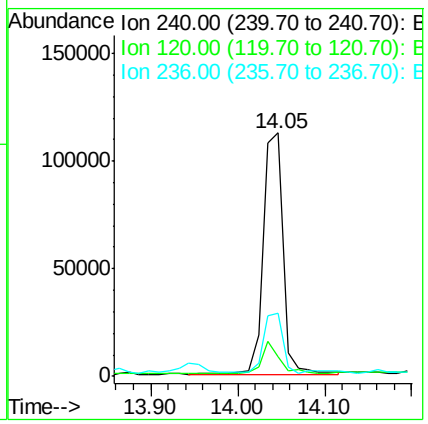




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

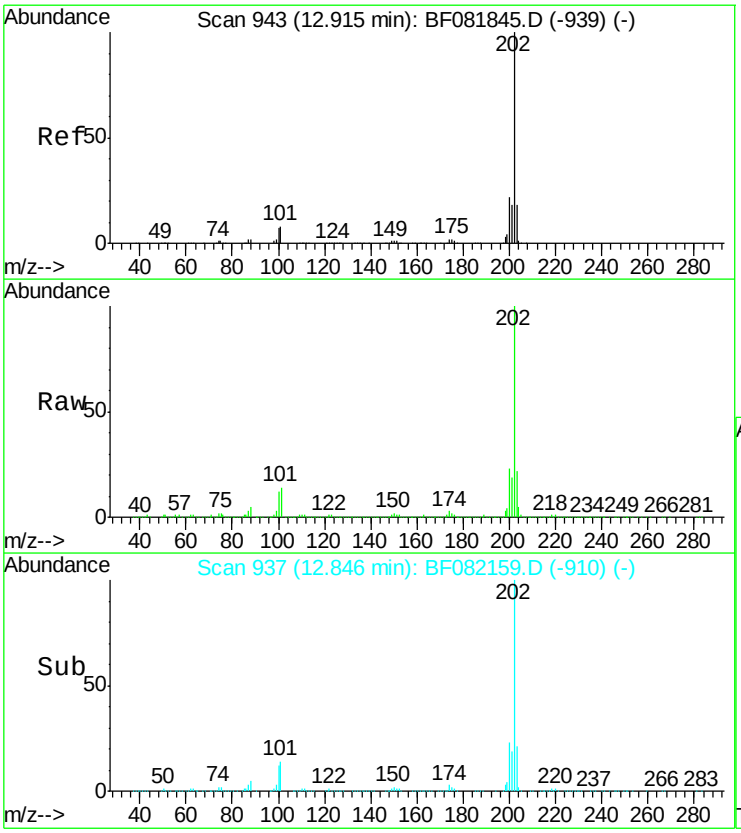
Tgt Ion:240 Resp: 177907

Ion	Ratio	Lower	Upper
240	100		
120	7.9	16.2	24.2#
236	25.8	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

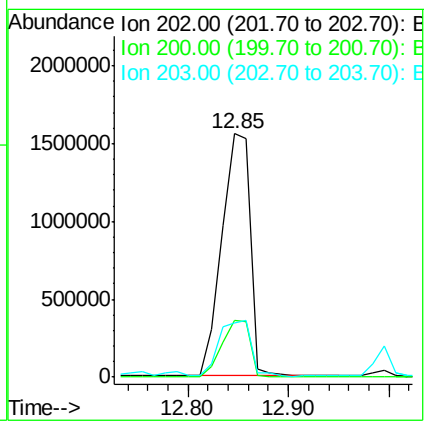
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

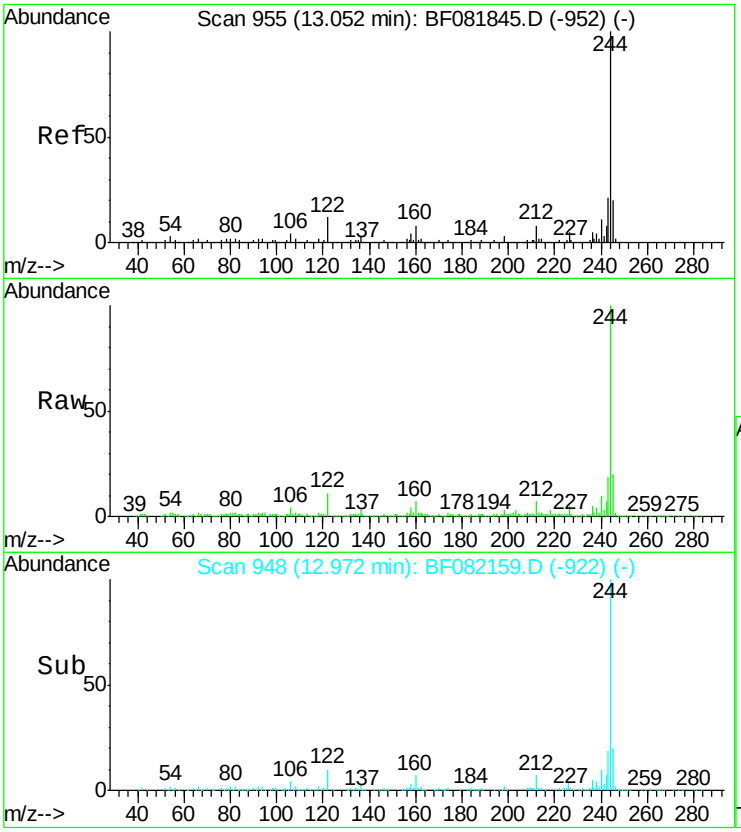


#77
Pyrene
Concen: 286.38 ng
RT: 12.85 min Scan# 937
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:202 Resp: 3043690

Ion	Ratio	Lower	Upper
202	100		
200	23.3	15.0	22.4#
203	22.4	14.1	21.1#

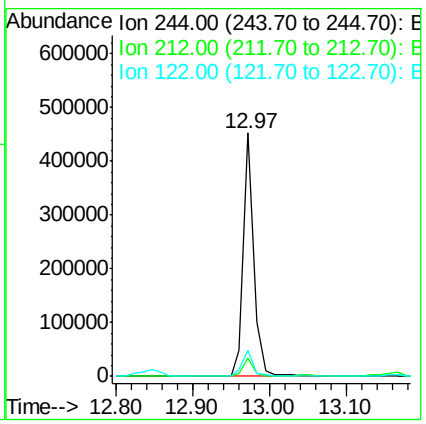




#78
Terphenyl-d14
Concen: 76.20 ng
RT: 12.97 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

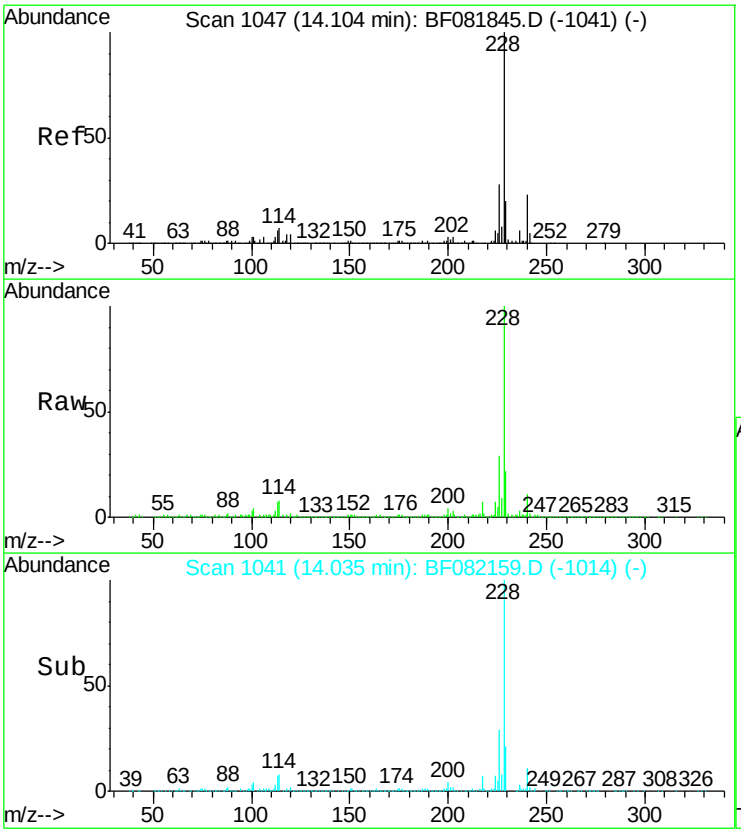
Tgt Ion:244 Resp: 431926

Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.3	6.5#
122	10.6	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

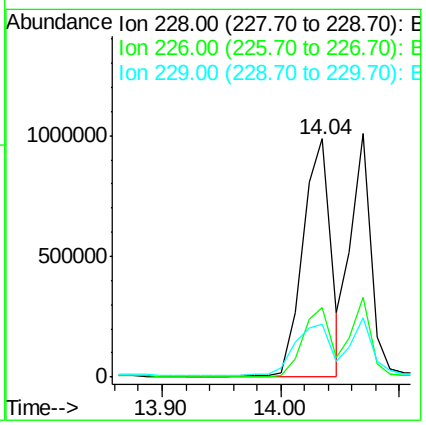
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

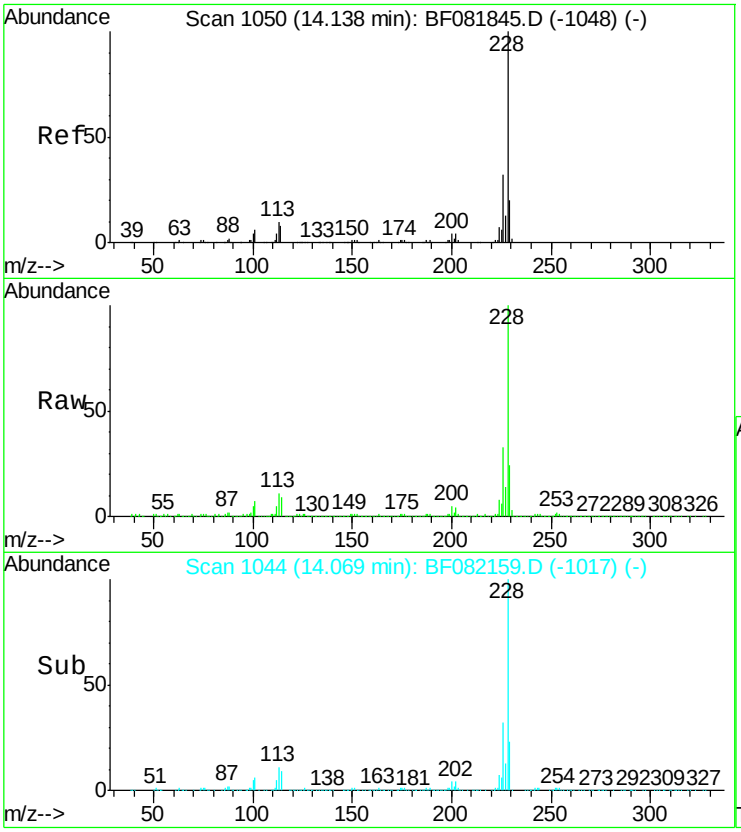


#80
Benzo(a)anthracene
Concen: 168.04 ng
RT: 14.04 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:228 Resp: 1609793

Ion	Ratio	Lower	Upper
228	100		
226	29.0	20.0	30.0
229	22.2	15.4	23.2





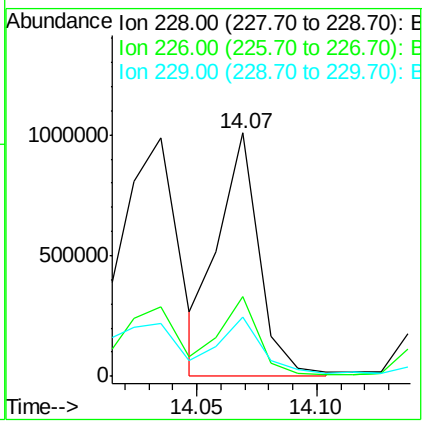
#82
Chrysene
Concen: Below Cal m
RT: 14.07 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

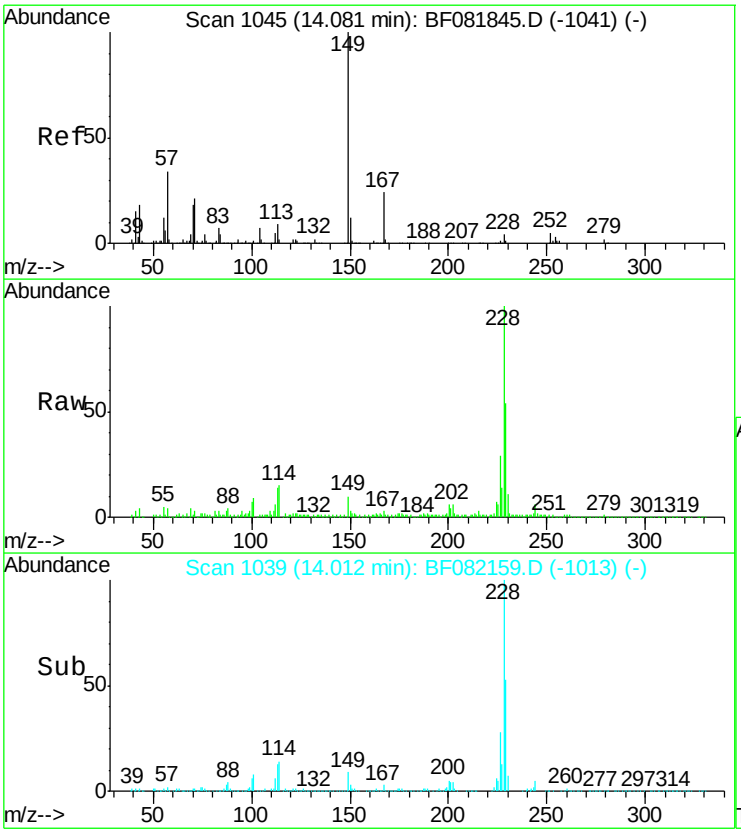
Tgt Ion:228 Resp: 1189150

Ion	Ratio	Lower	Upper
228	100		
226	32.7	21.0	31.4#
229	24.1	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

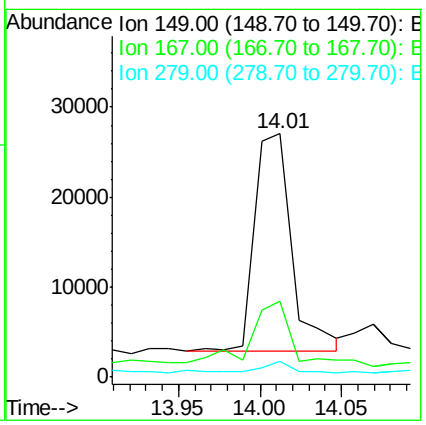


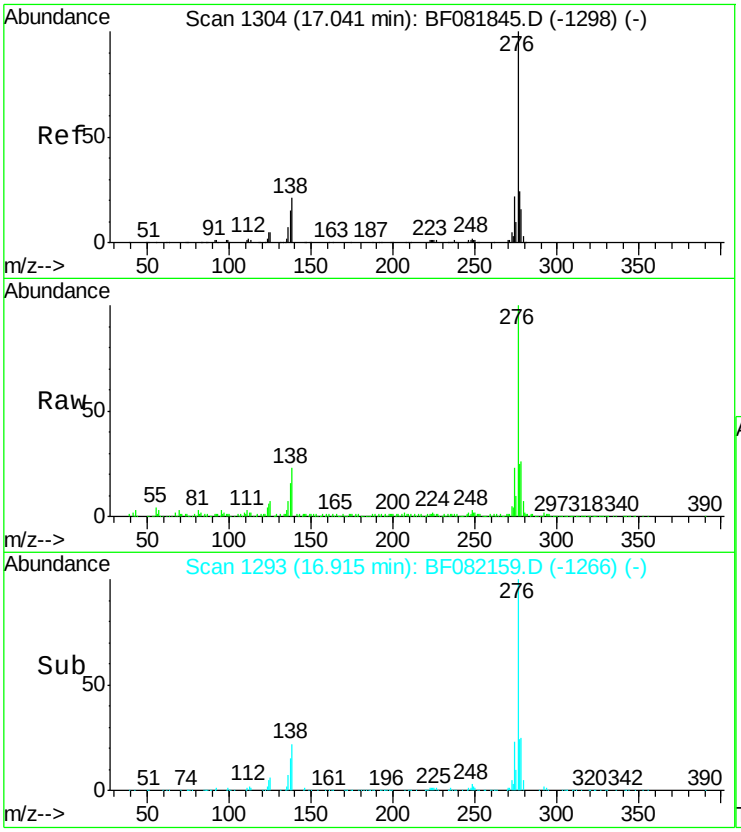


#83
Bis(2-ethylhexyl)phthalate
Concen: 7.59 ng
RT: 14.01 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:149 Resp: 38091

Ion	Ratio	Lower	Upper
149	100		
167	31.0	24.2	36.2
279	6.7	3.8	5.6#





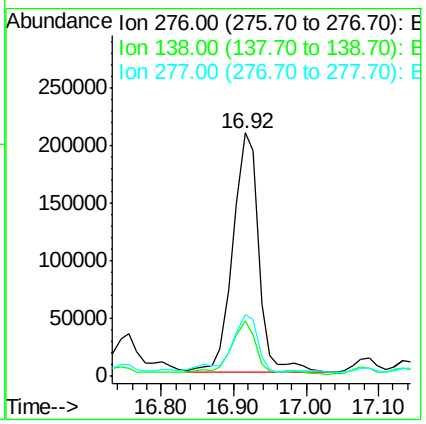
#85
Indeno(1,2,3-cd)pyrene
Concen: 69.38 ng
RT: 16.92 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

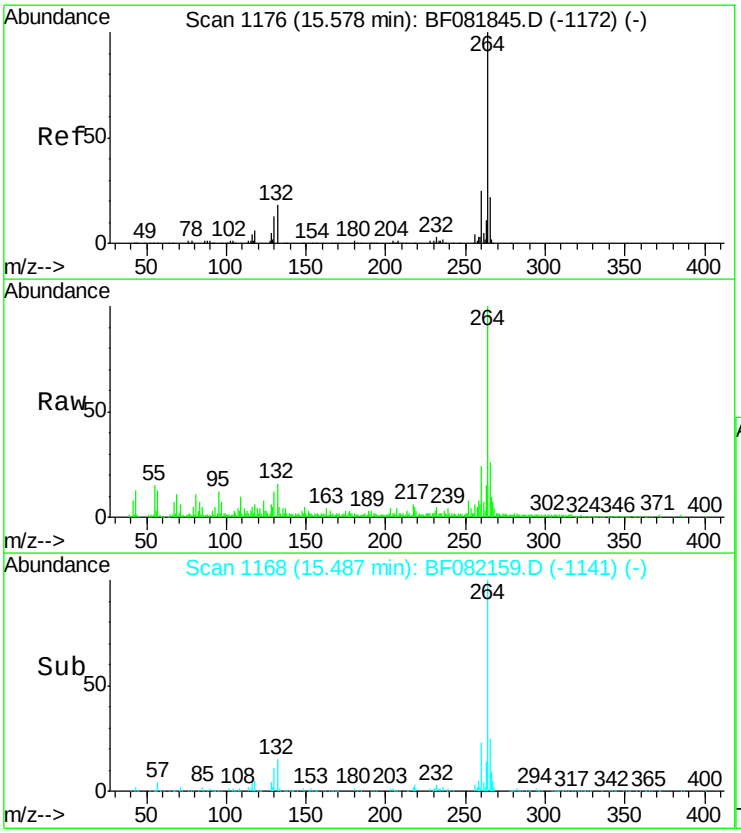
Tgt Ion:276 Resp: 519960

Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.7	38.5#
277	25.6	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

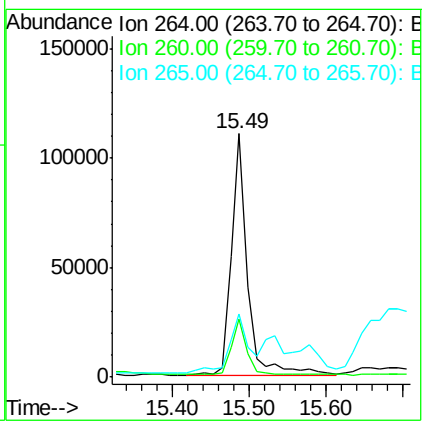


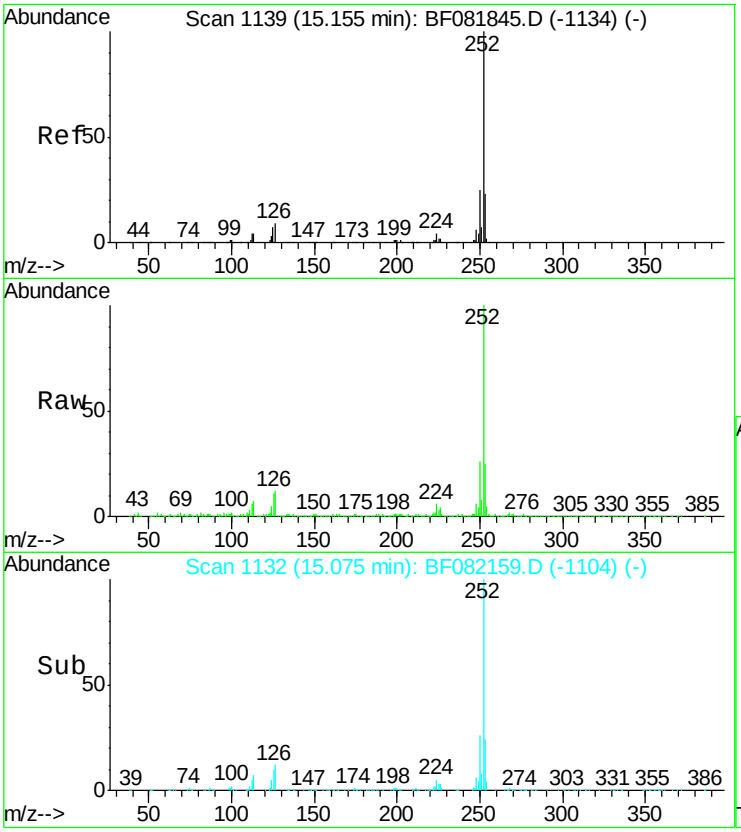


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:264 Resp: 164323

Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.7	25.1
265	25.9	17.2	25.8#

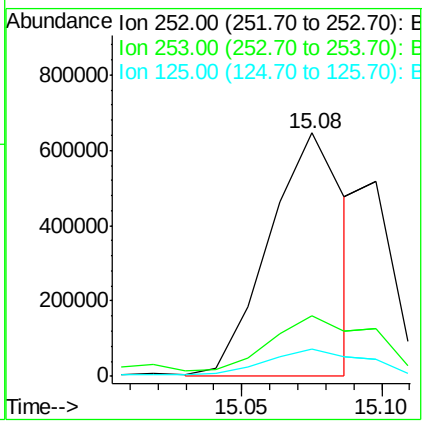




#87
Benzo(b)fluoranthene
Concen: 130.99 ng m
RT: 15.08 min Scan# 1132
Delta R.T. 0.02 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

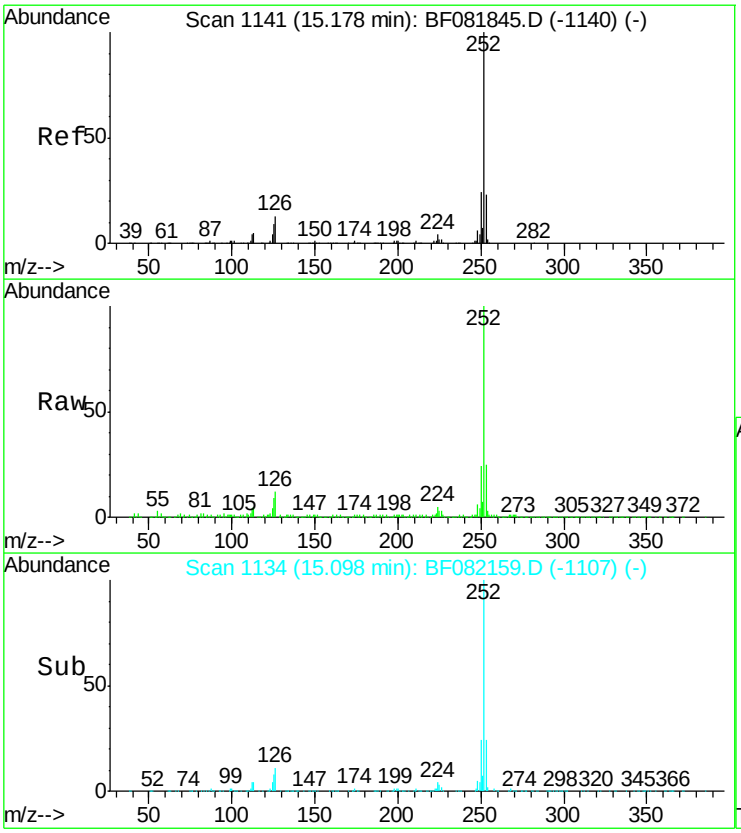
Tgt Ion:252 Resp: 1228926

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	11.0	17.1	25.7#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

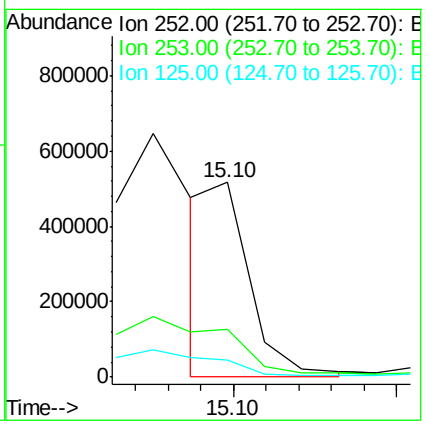
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

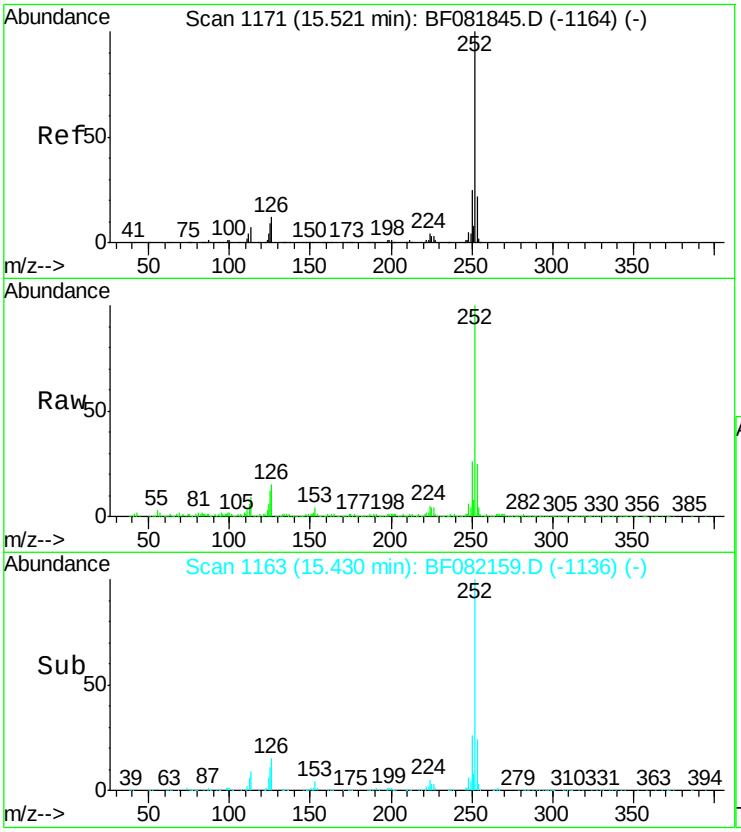


#88
Benzo(k)fluoranthene
Concen: 51.59 ng m
RT: 15.10 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:252 Resp: 443644

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.4
125	8.6	16.0	24.0#

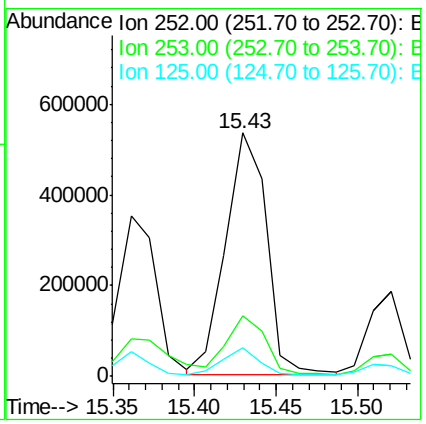




#89
Benzo(a)pyrene
Concen: 113.55 ng
RT: 15.43 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

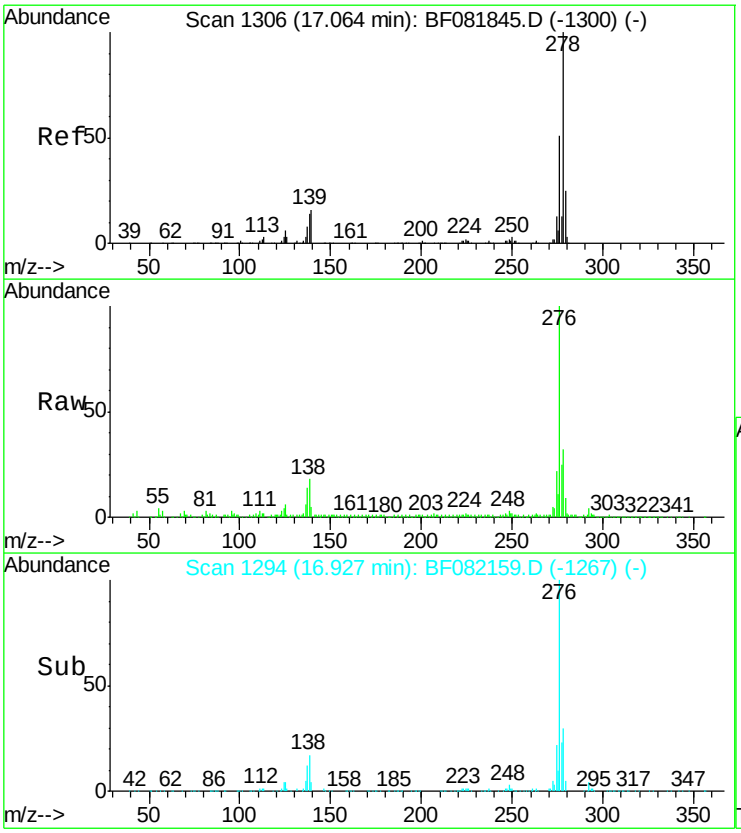
Tgt Ion:252 Resp: 924097

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	11.6	18.0	27.0#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

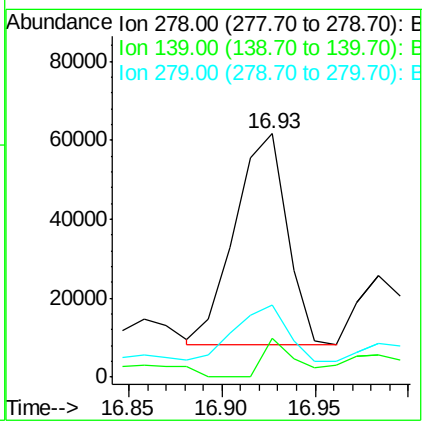
Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM

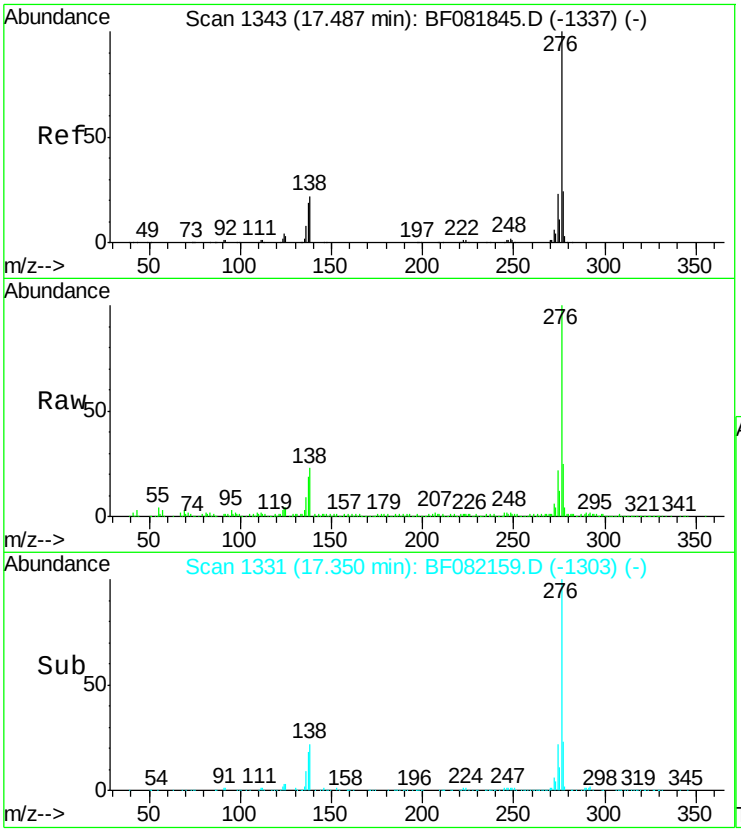


#90
Dibenzo(a,h)anthracene
Concen: 15.30 ng
RT: 16.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:278 Resp: 104480

Ion	Ratio	Lower	Upper
278	100		
139	15.8	26.3	39.5#
279	29.4	18.2	27.4#

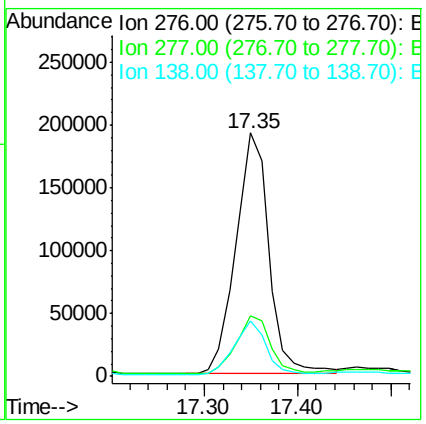




#91
Benzo(g,h,i)perylene
Concen: 68.01 ng
RT: 17.35 min Scan# 1331
Delta R.T. 0.02 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:276 Resp: 475841

Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.8	26.6
138	22.7	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
LS-COMP(1-8)

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:57 PM