Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081266.D
Acq On : 28 Aug 2015 6:45
Operator : UM/IZ
Sample : G3430-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB2(2-4)

Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

Quant Time: Aug 28 12:17:37 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	48136	20.00	ng		-0.04
21) Naphthalene-d8	7.79	136	214755	20.00	ng		-0.04
38) Acenaphthene-d10	9.53	164	86623	20.00	ng		-0.05
63) Phenanthrene-d10	11.01	188	150951	20.00	ng		-0.04
75) Chrysene-d12	13.65	240	106362	20.00	ng		-0.01
86) Perylene-d12	14.97	264	70527	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.07	112	466478	145.76	ng		-0.02
7) Phenol-d6	6.17	99	609465	145.96	ng		-0.02
23) Nitrobenzene-d5	7.09	82	459992	97.85	ng		-0.04
41) 2,4,6-Tribromophenol	10.32	330	91339	121.64	ng		-0.04
44) 2-Fluorobiphenyl	8.88	172	645779	97.68	ng		-0.02
78) Terphenyl-d14	12.60	244	377613	76.11	ng		-0.04
Target Compounds							Qvalue
9) Benzaldehyde	6.05	77	18611	6.91	ng		97
31) Naphthalene	7.82	128	25842	2.16	ng		100
48) Acenaphthylene	9.39	152	42646	3.89	ng		98
49) Dimethylphthalate	9.27	163	71267	9.99	ng		99
51) Acenaphthene	9.57	154	46298	7.05	ng		99
54) Dibenzofuran	9.74	168	43925	4.99	ng		96
57) Fluorene	10.08	166	47011	6.95	ng		97
70) Phenanthrene	11.04	178	925967	103.51	ng		99
71) Anthracene	11.07	178	136227	15.65	ng		98
72) Carbazole	11.23	167	86494	10.32	ng		98
74) Fluoranthene	12.22	202	858461	88.93	ng		92
77) Pyrene	12.45	202	830289	96.02	ng		99
80) Benzo(a)anthracene	13.64	228	318879	44.70	ng	#	94
82) Chrysene	13.67	228	320631m	49.88	ng		
85) Indeno(1,2,3-cd)pyrene	16.15	276	117747	26.09	ng		100
87) Benzo(b)fluoranthene	14.64	252	316980m	63.54	ng		
88) Benzo(k)fluoranthene	14.64	252	150430m	32.36	ng		
89) Benzo(a)pyrene	14.93	252	192659	44.32	ng	#	88
90) Dibenzo(a,h)anthracene	16.15	278	34873	10.30	ng	#	81
91) Benzo(g,h,i)perylene	16.49	276	100799	29.33	ng	#	87

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

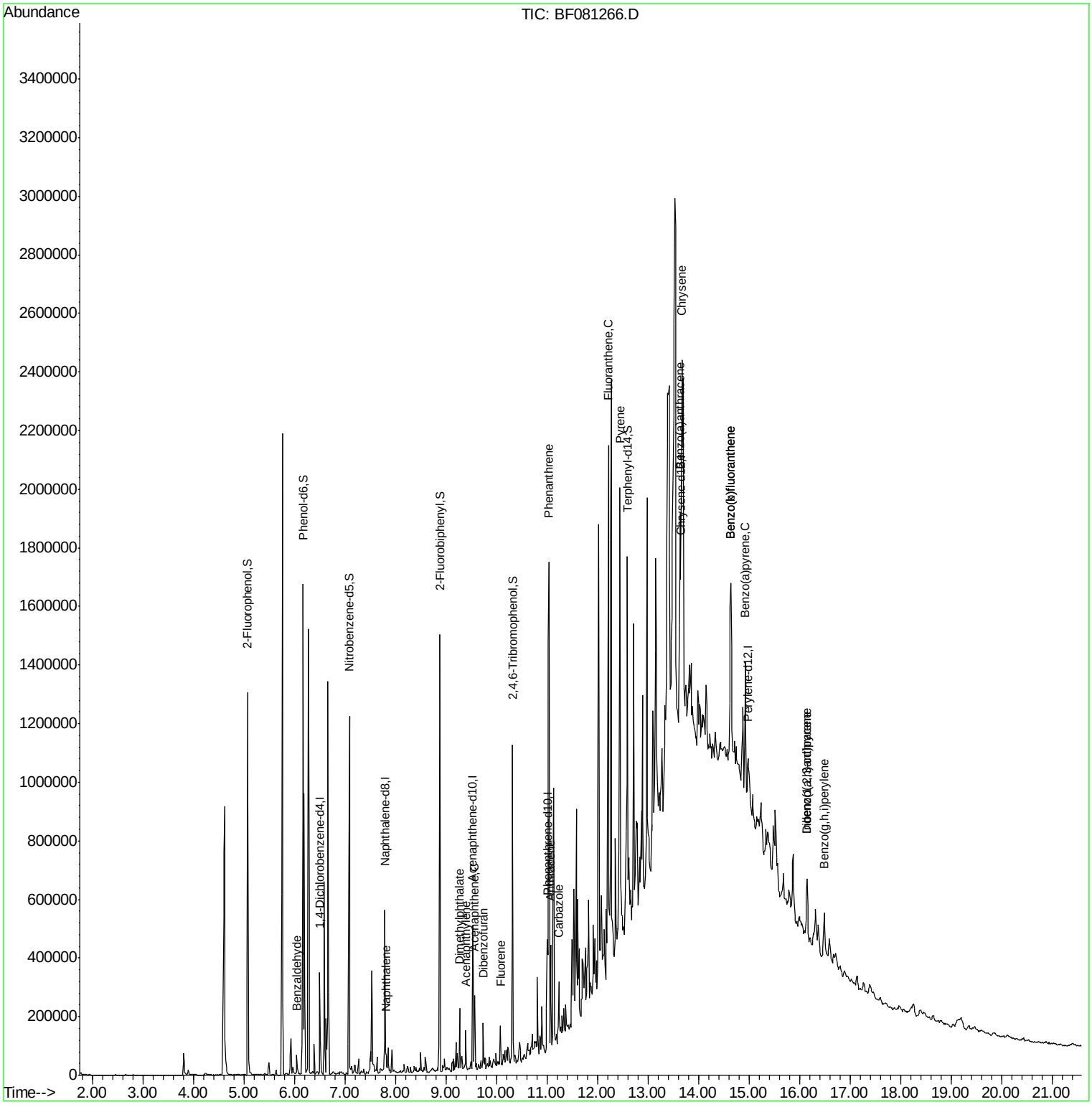
Quantitation Report (LSC Reviewed)

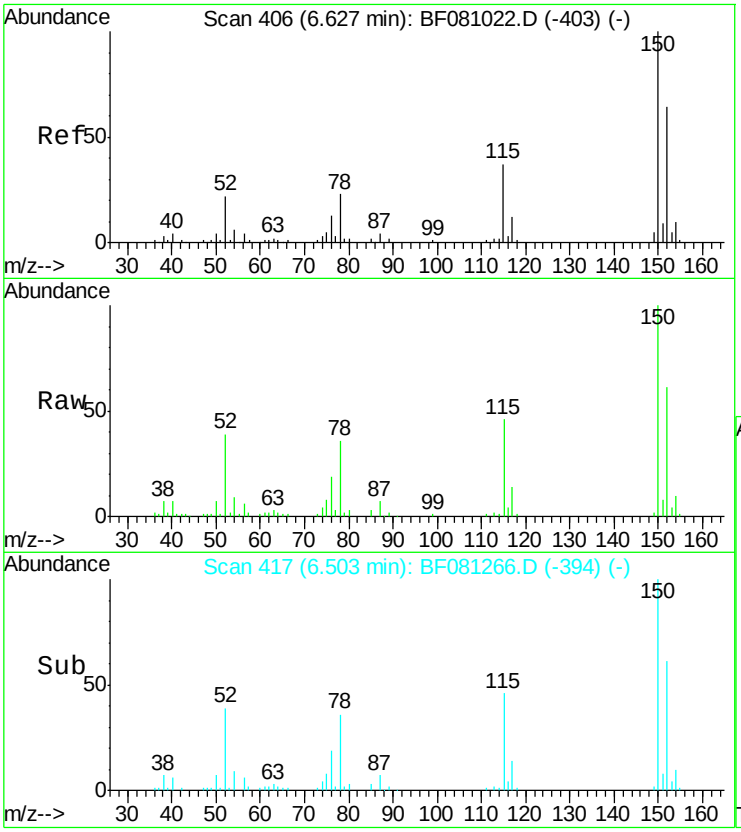
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081266.D
Acq On : 28 Aug 2015 6:45
Operator : UM/IZ
Sample : G3430-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 12:17:37 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

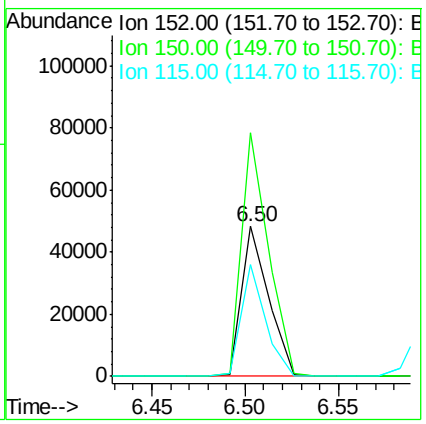




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

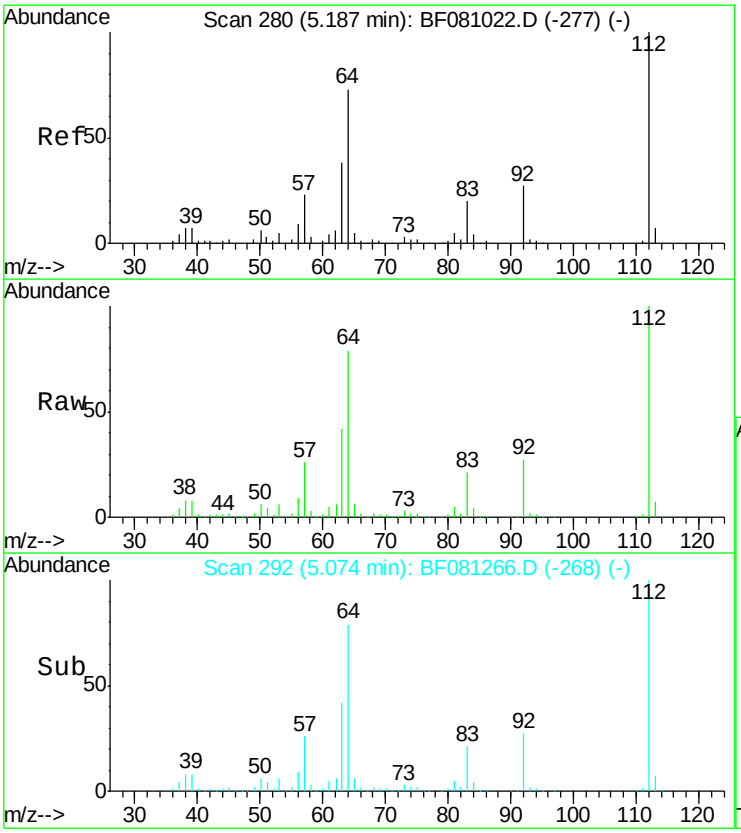
Tgt Ion:152 Resp: 48136

Ion	Ratio	Lower	Upper
152	100		
150	162.7	123.8	185.6
115	74.7	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

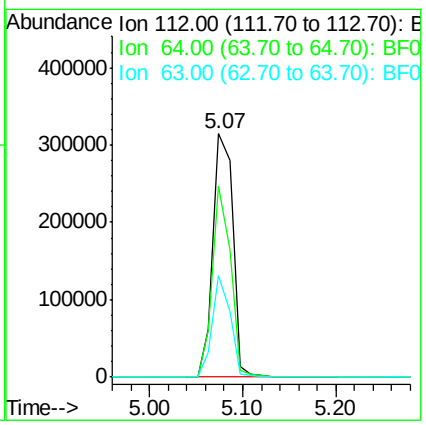
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

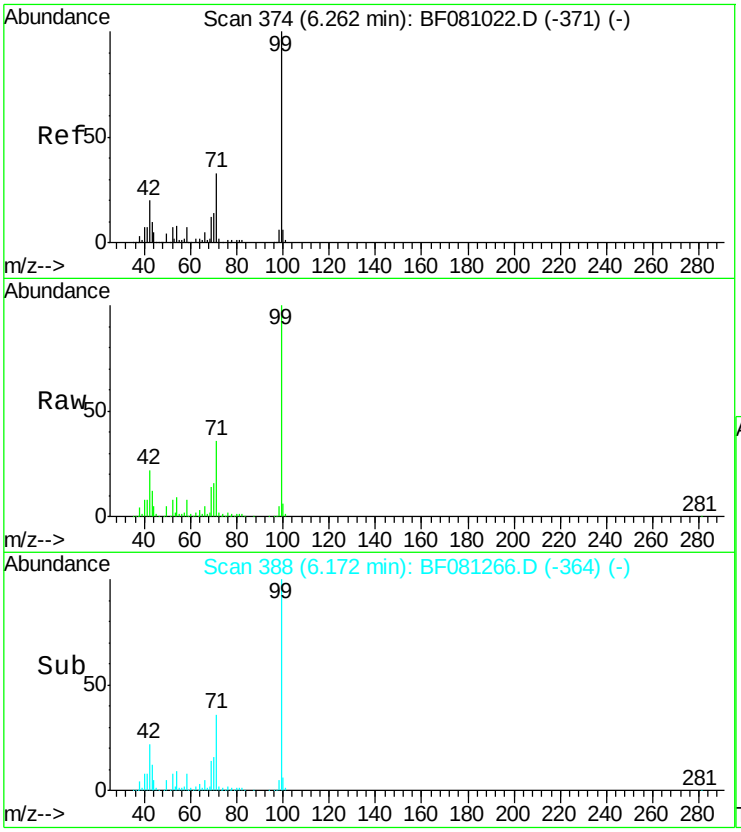


#5
2-Fluorophenol
Concen: 145.76 ng
RT: 5.07 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:112 Resp: 466478

Ion	Ratio	Lower	Upper
112	100		
64	78.6	66.9	100.3
63	41.8	38.1	57.1

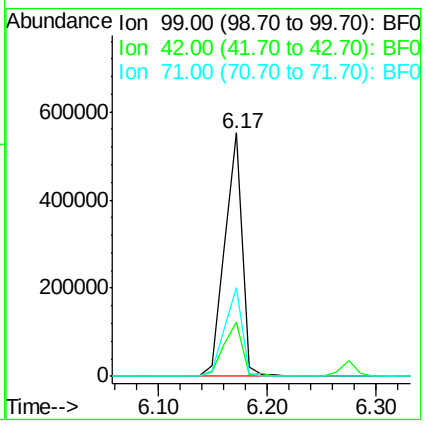




#7
Phenol-d6
Concen: 145.96 ng
RT: 6.17 min Scan# 388
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

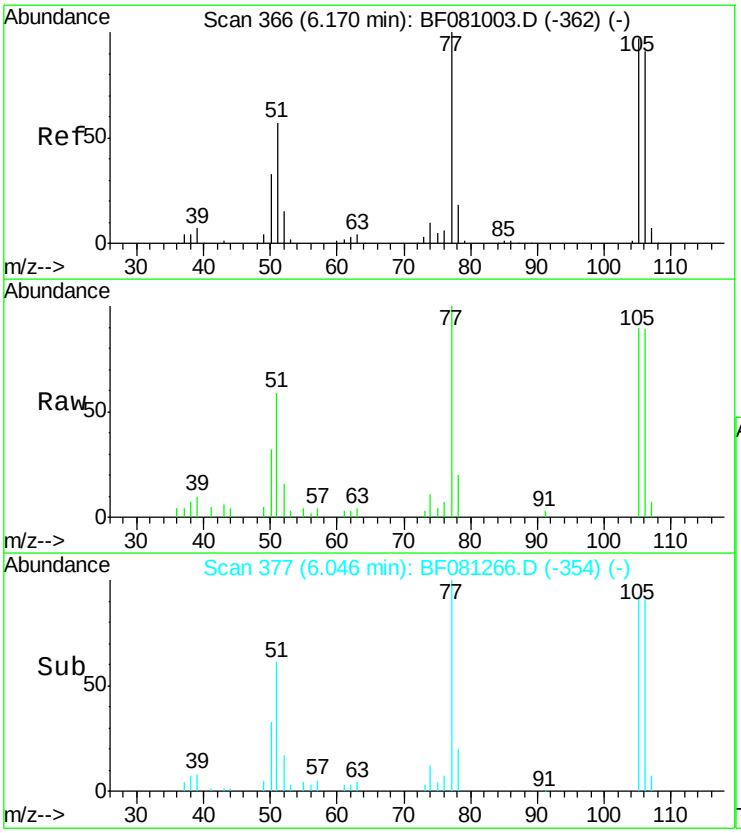
Tgt Ion: 99 Resp: 609465

Ion	Ratio	Lower	Upper
99	100		
42	22.4	19.6	29.4
71	36.3	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

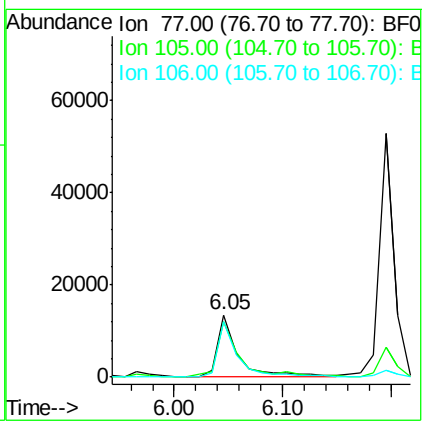
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

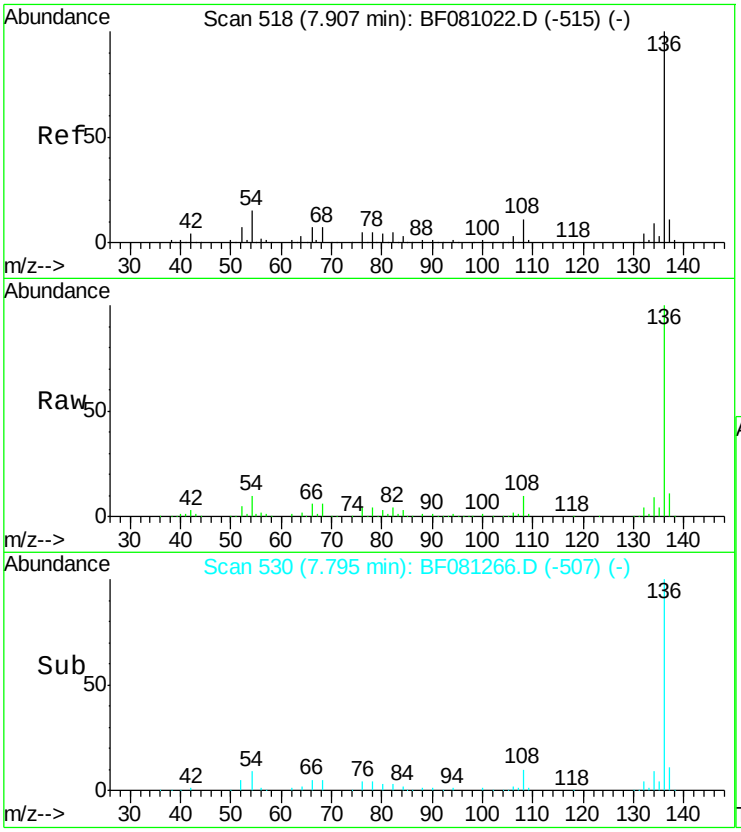


#9
Benzaldehyde
Concen: 6.91 ng
RT: 6.05 min Scan# 377
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion: 77 Resp: 18611

Ion	Ratio	Lower	Upper
77	100		
105	89.5	69.6	109.6
106	89.0	64.0	104.0

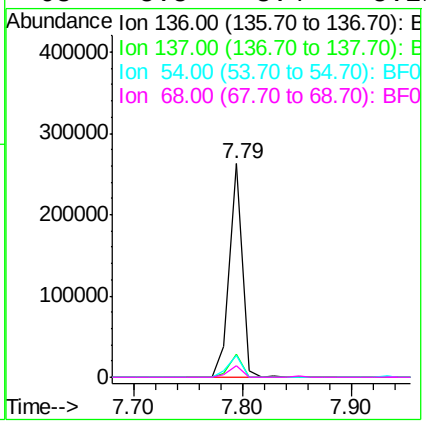




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 530
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

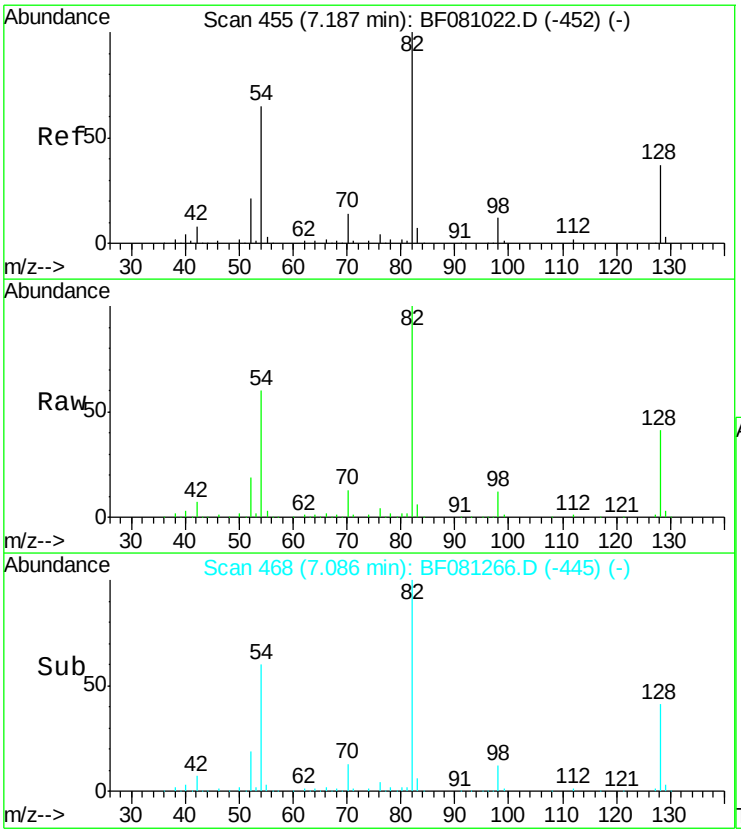
Tgt Ion:136 Resp: 214755

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.2
54	10.2	7.7	11.5
68	5.5	3.4	5.2#



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

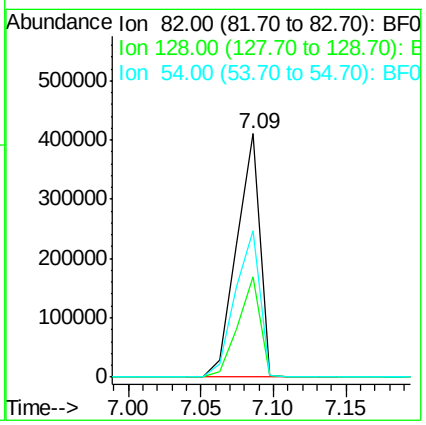
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

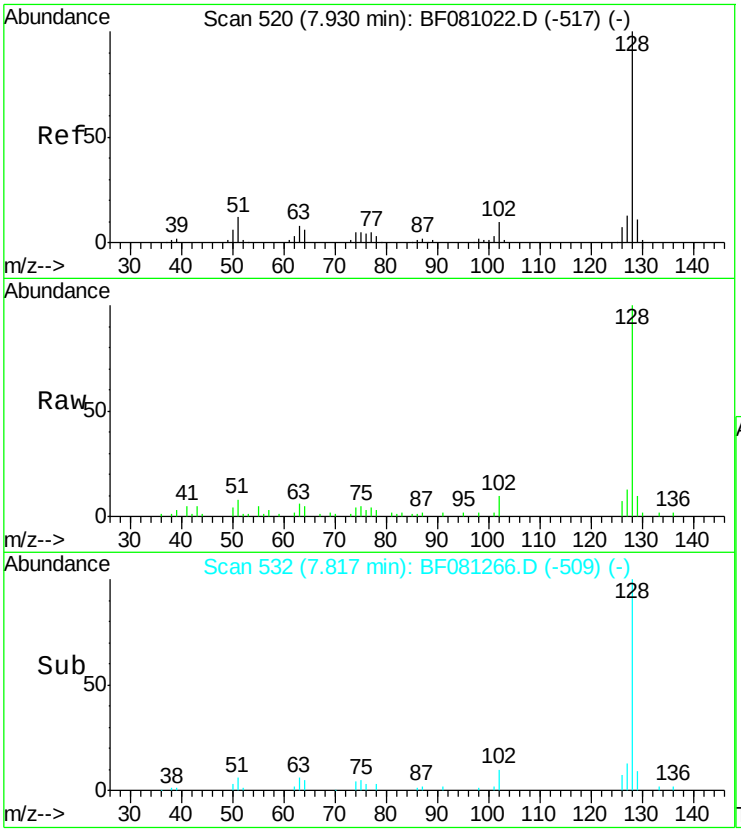


#23
Nitrobenzene-d5
Concen: 97.85 ng
RT: 7.09 min Scan# 468
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion: 82 Resp: 459992

Ion	Ratio	Lower	Upper
82	100		
128	40.9	28.6	42.8
54	60.0	55.1	82.7

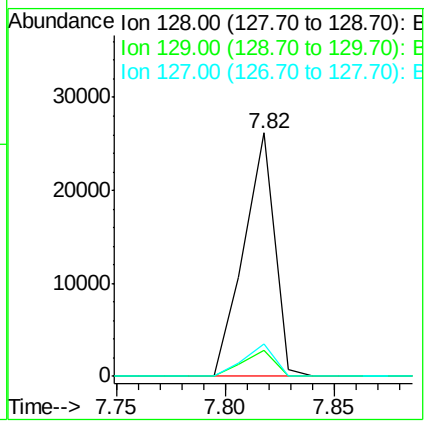




#31
Naphthalene
Concen: 2.16 ng
RT: 7.82 min Scan# 532
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

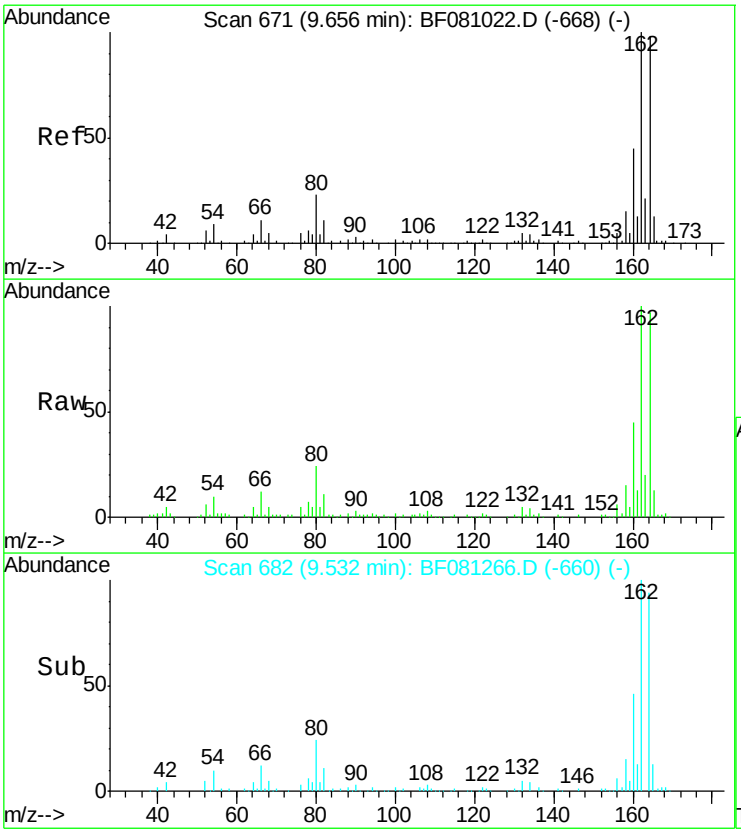
Tgt Ion:128 Resp: 25842

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.4	12.6
127	13.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

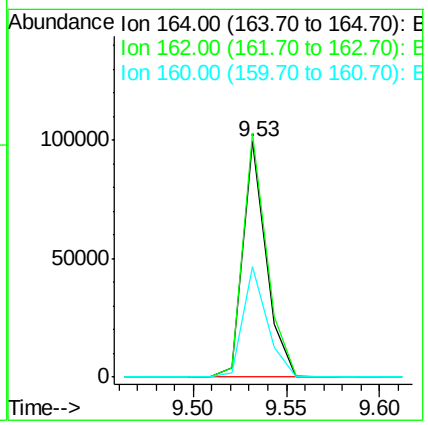
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

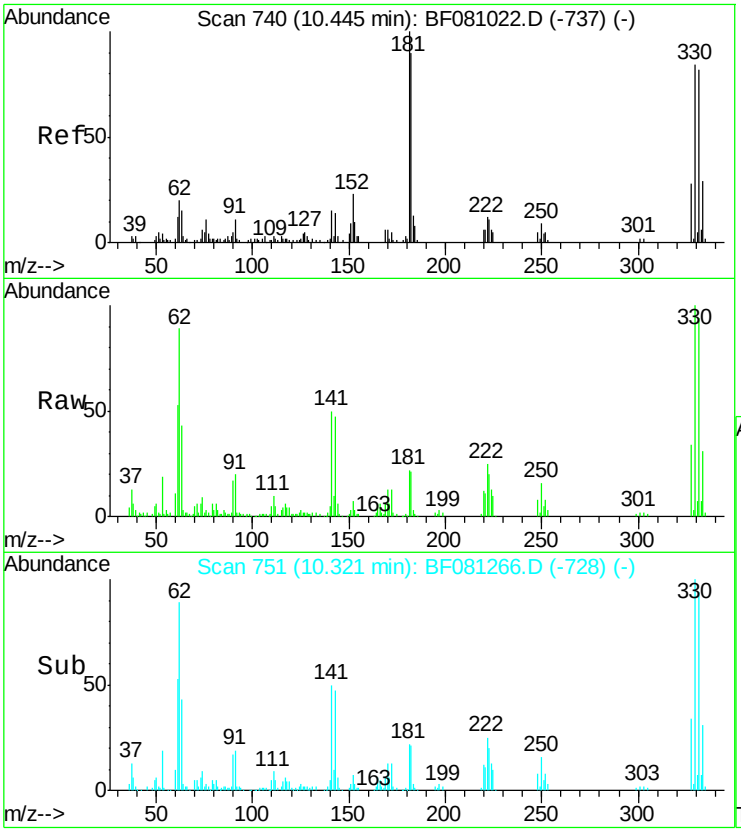


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:164 Resp: 86623

Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.8	125.8
160	47.0	39.8	59.8

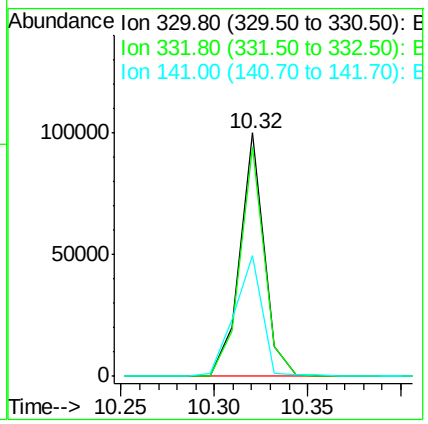




#41
2,4,6-Tribromophenol
Concen: 121.64 ng
RT: 10.32 min Scan# 751
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

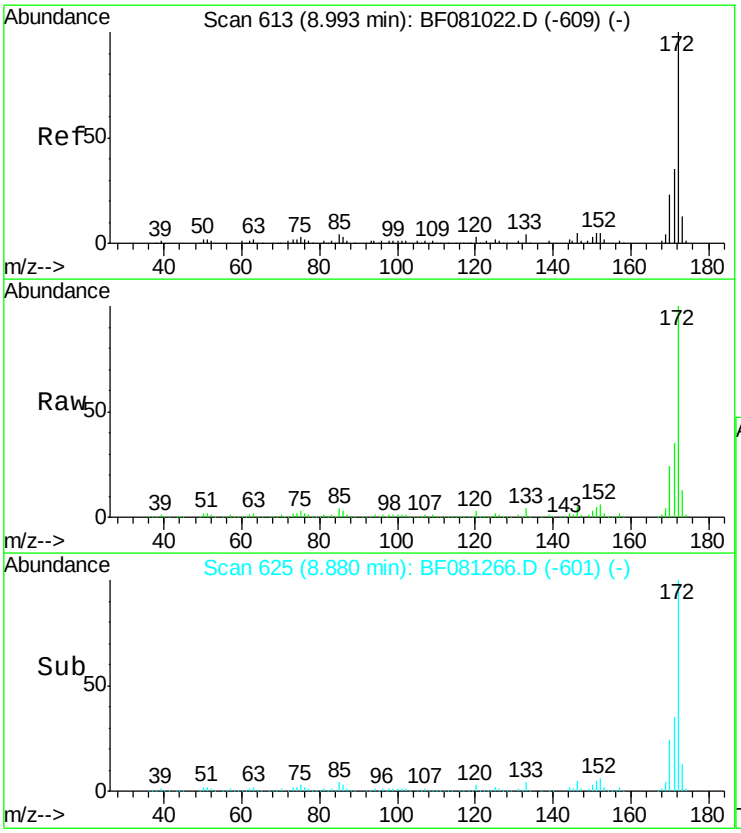
Tgt Ion:330 Resp: 91339

Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.3	115.9
141	58.6	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

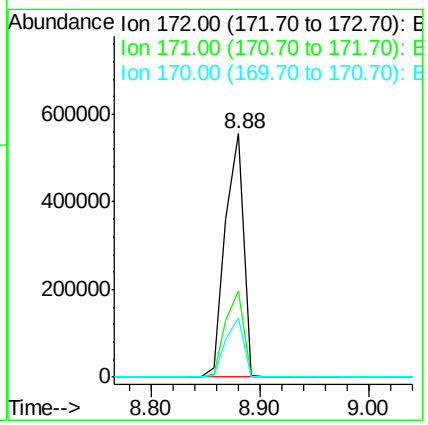
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

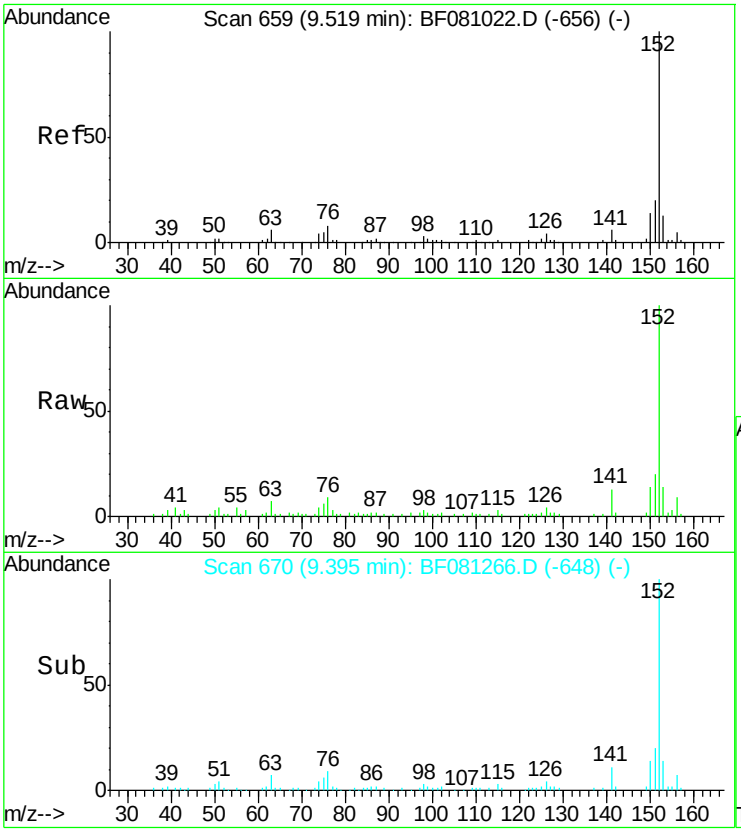


#44
2-Fluorobiphenyl
Concen: 97.68 ng
RT: 8.88 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:172 Resp: 645779

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.9	43.3
170	24.1	19.4	29.2

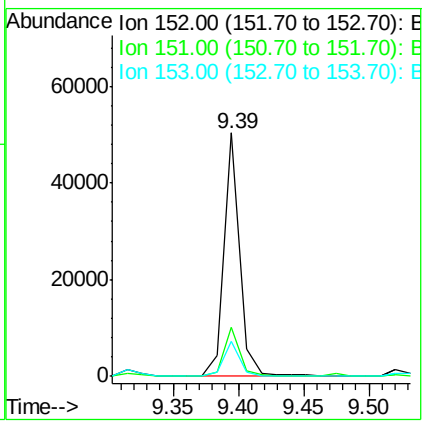




#48
Acenaphthylene
Concen: 3.89 ng
RT: 9.39 min Scan# 670
Delta R.T. -0.05 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

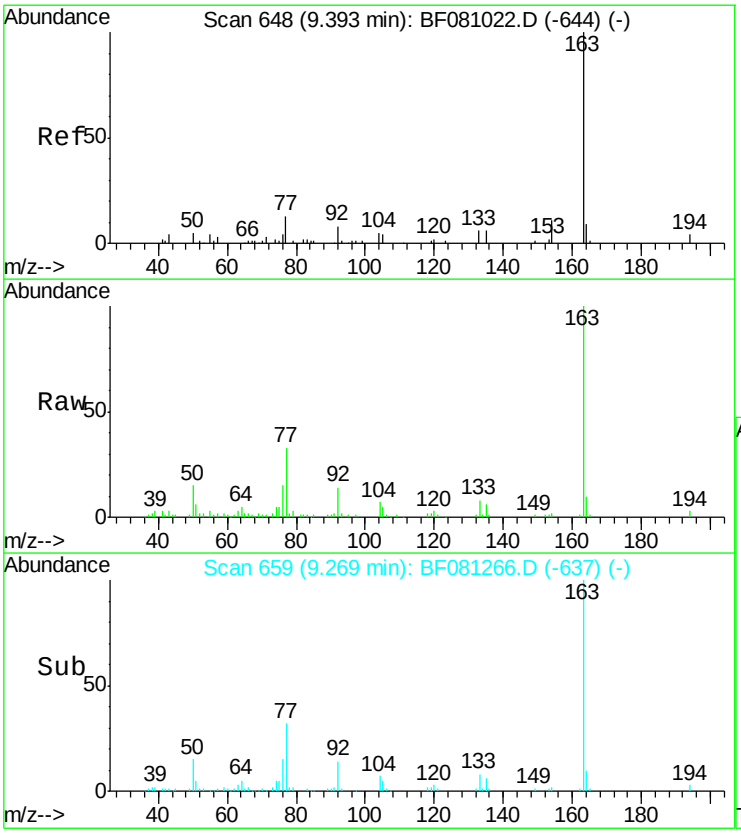
Tgt Ion:152 Resp: 42646

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	14.2	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

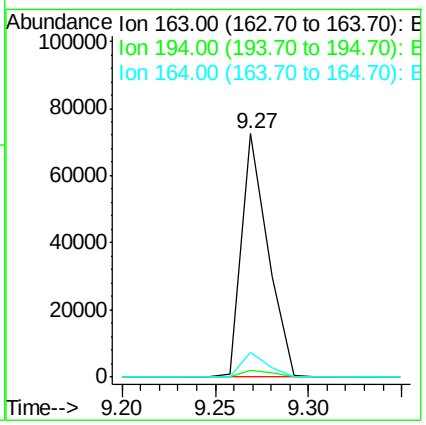
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

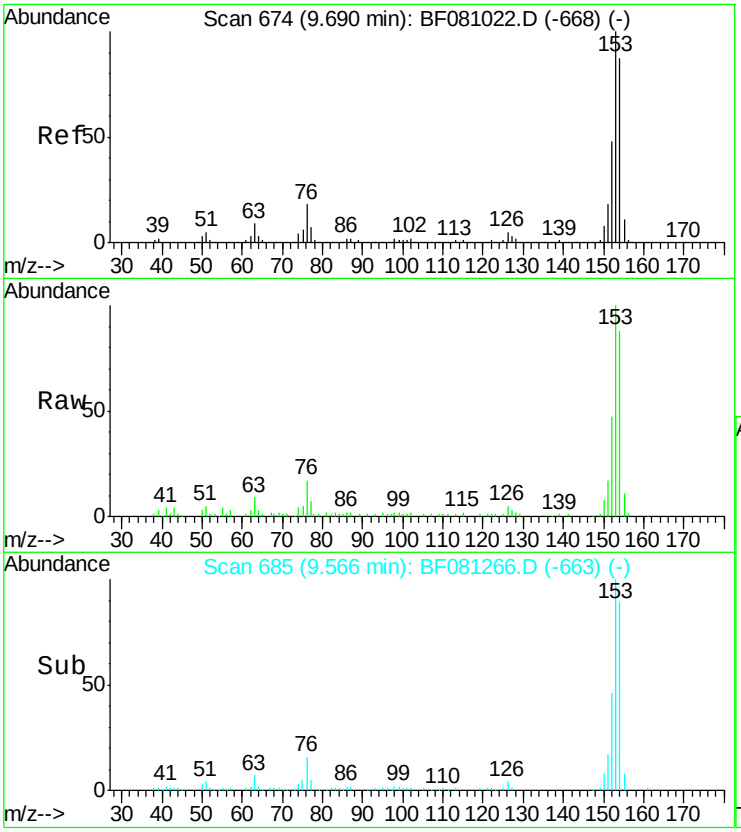


#49
Dimethylphthalate
Concen: 9.99 ng
RT: 9.27 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:163 Resp: 71267

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.5	3.7
164	10.4	8.1	12.1

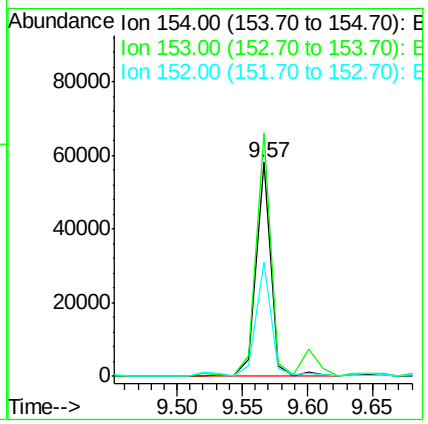




#51
Acenaphthene
Concen: 7.05 ng
RT: 9.57 min Scan# 685
Delta R.T. -0.05 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

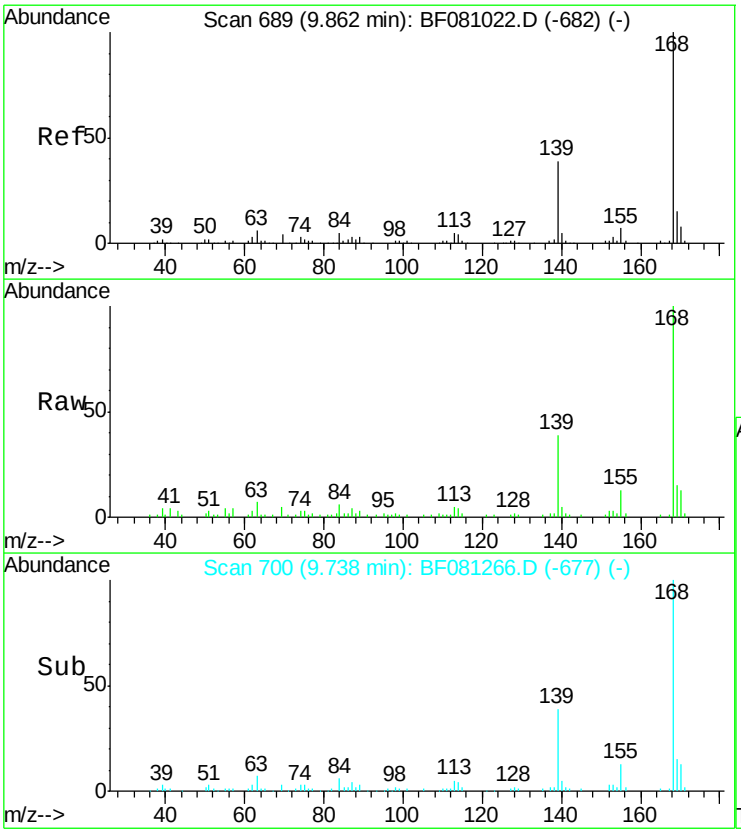
Tgt Ion:154 Resp: 46298

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.4	137.2
152	53.3	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

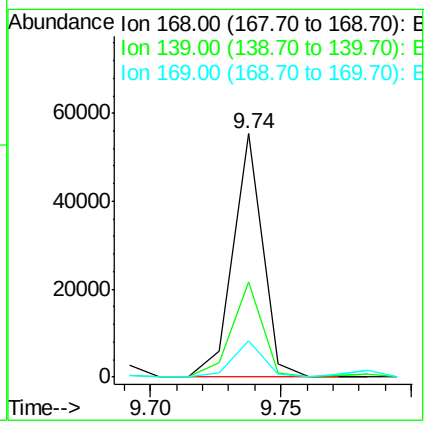
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

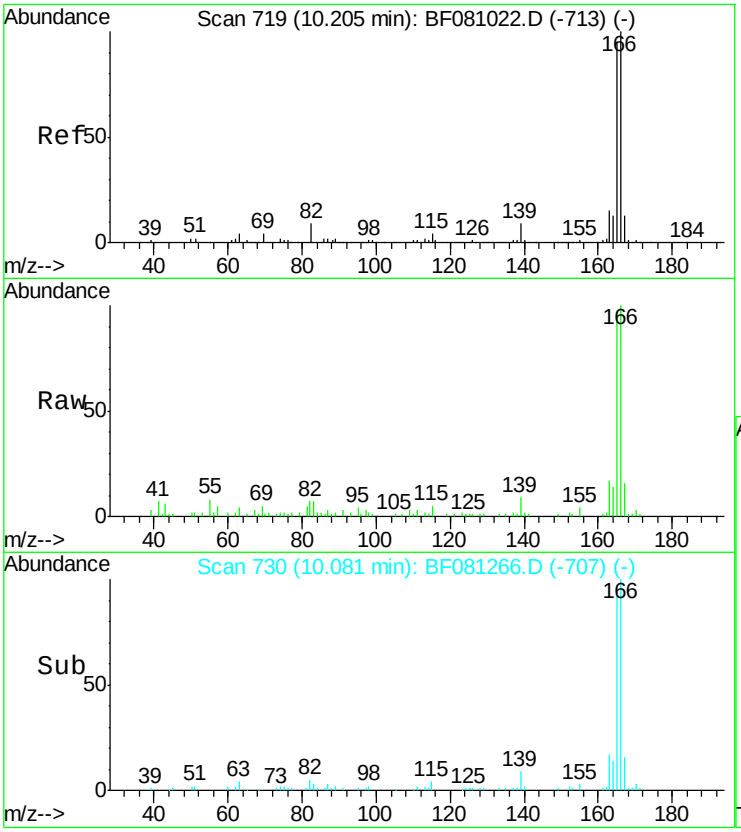


#54
Dibenzofuran
Concen: 4.99 ng
RT: 9.74 min Scan# 700
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:168 Resp: 43925

Ion	Ratio	Lower	Upper
168	100		
139	39.0	29.3	43.9
169	14.9	10.3	15.5

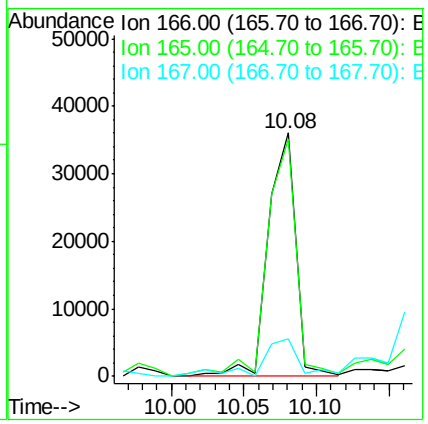




#57
Fluorene
Concen: 6.95 ng
RT: 10.08 min Scan# 730
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

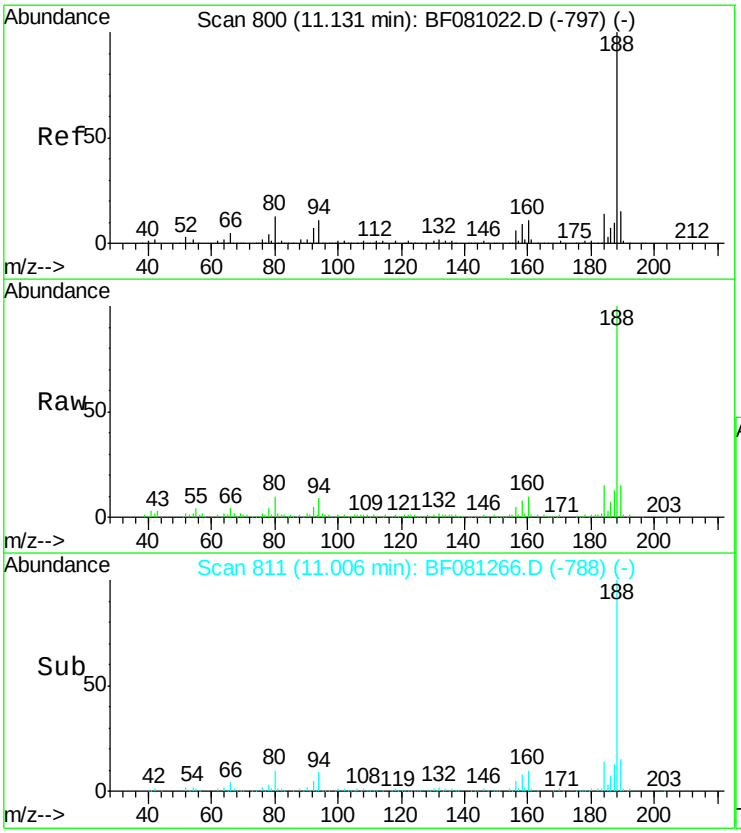
Tgt Ion:166 Resp: 47011

Ion	Ratio	Lower	Upper
166	100		
165	97.5	75.8	113.8
167	15.6	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

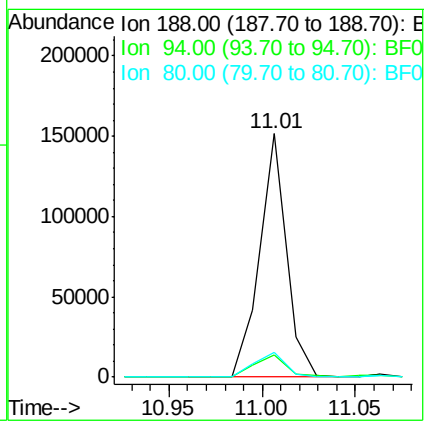
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

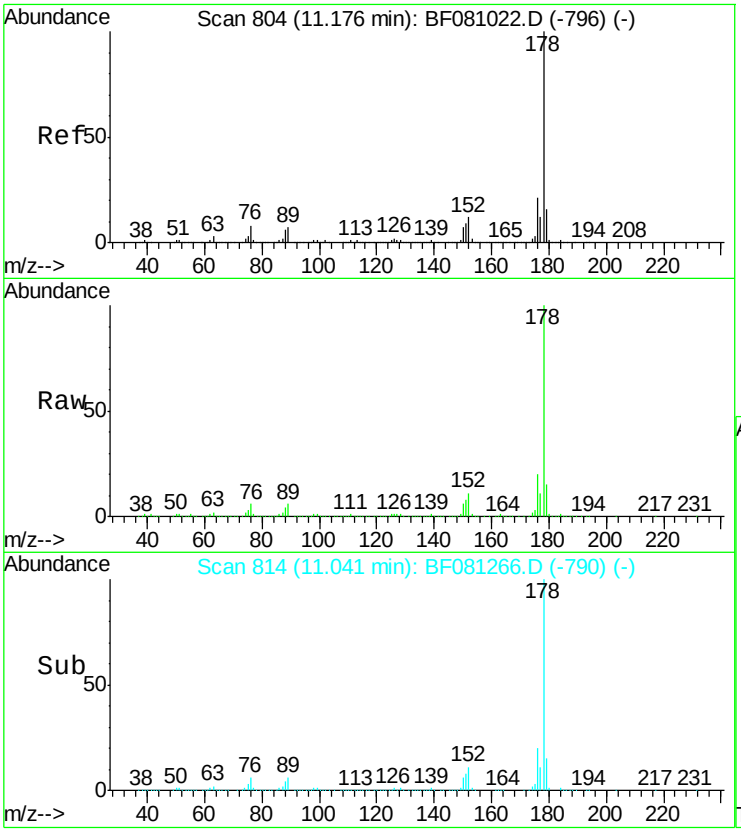


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 811
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:188 Resp: 150951

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	10.0	9.5	14.3

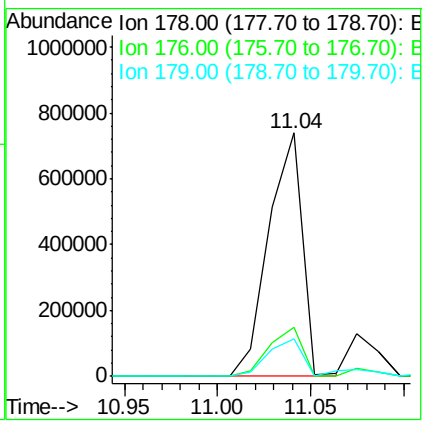




#70
Phenanthrene
Concen: 103.51 ng
RT: 11.04 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

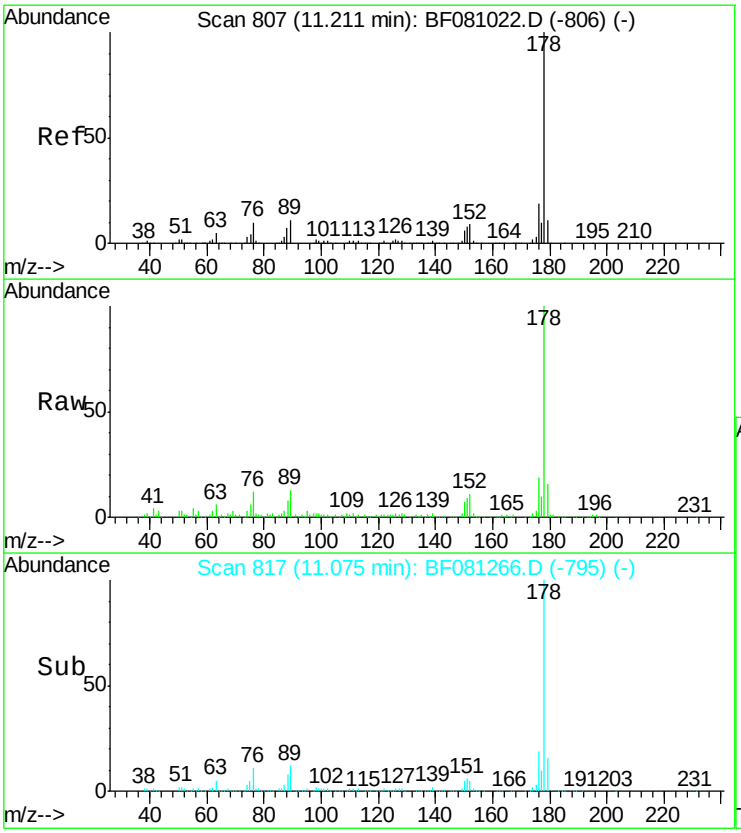
Tgt Ion:178 Resp: 925967

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.7	23.5
179	15.5	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

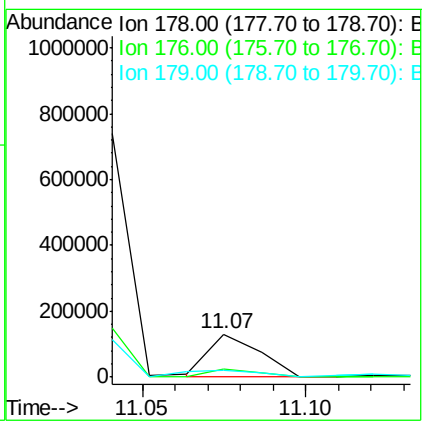
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

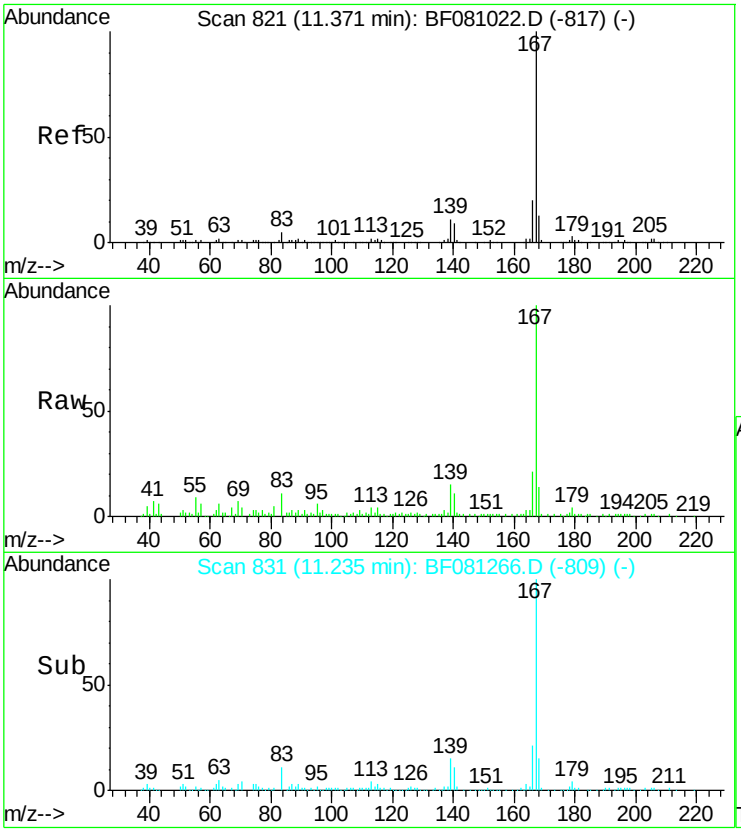


#71
Anthracene
Concen: 15.65 ng
RT: 11.07 min Scan# 817
Delta R.T. -0.05 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:178 Resp: 136227

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	16.2	12.7	19.1

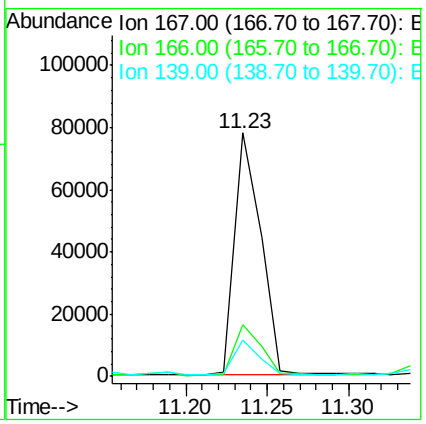




#72
Carbazole
Concen: 10.32 ng
RT: 11.23 min Scan# 831
Delta R.T. -0.05 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

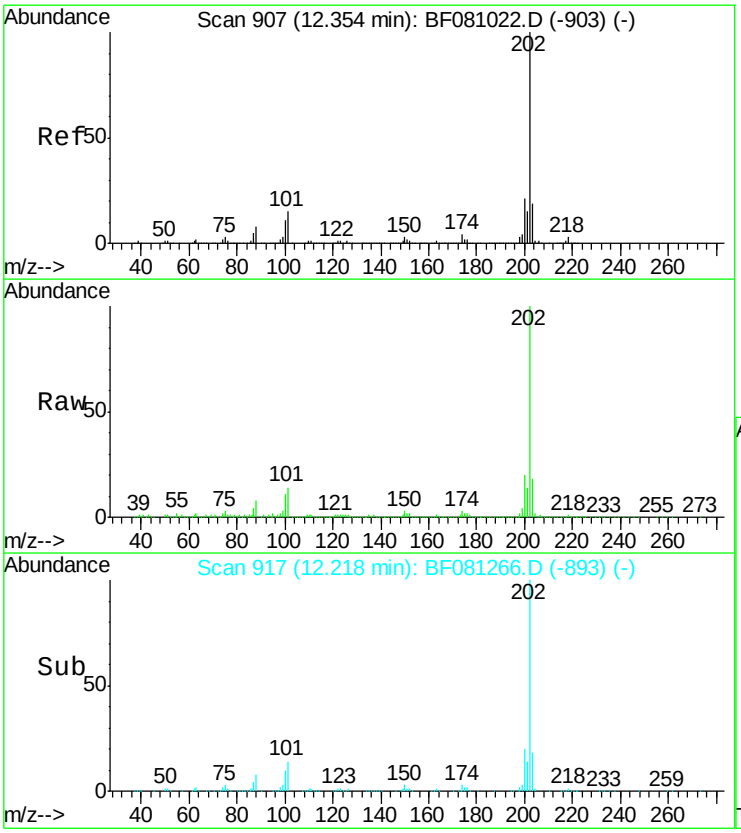
Tgt Ion:167 Resp: 86494

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	15.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

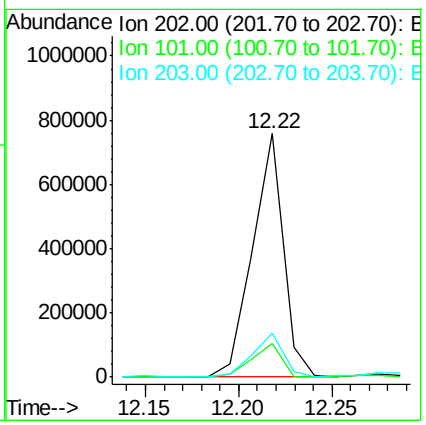
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

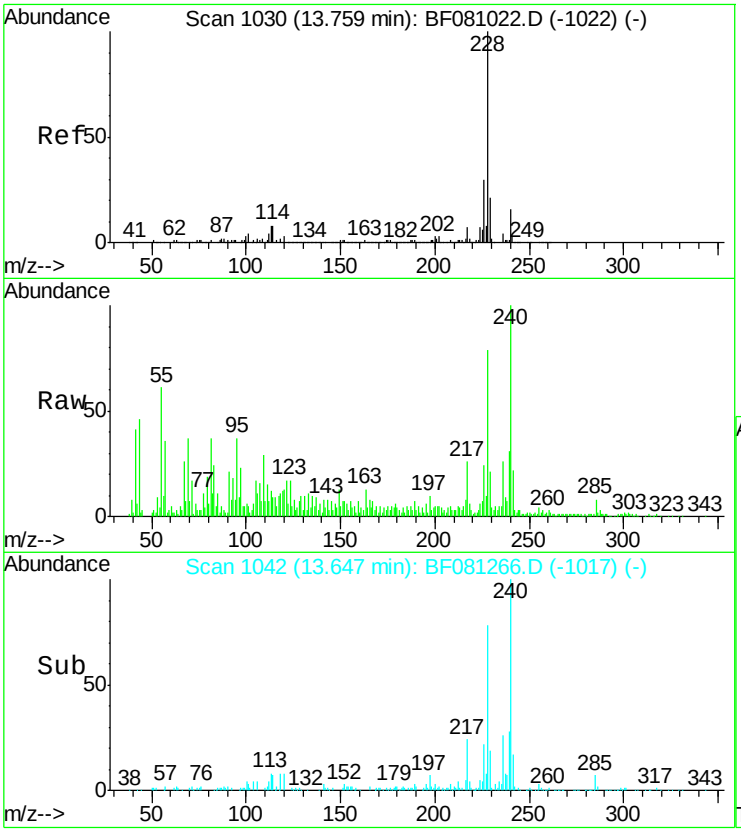


#74
Fluoranthene
Concen: 88.93 ng
RT: 12.22 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:202 Resp: 858461

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	24.8
203	18.2	0.0	36.9

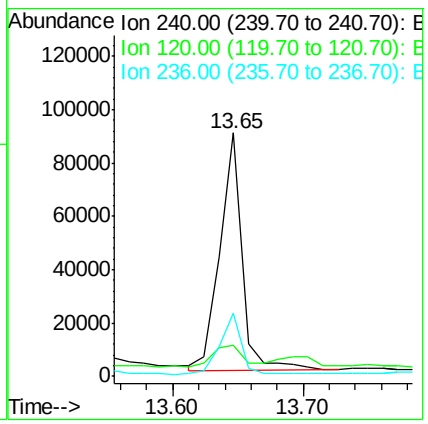




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

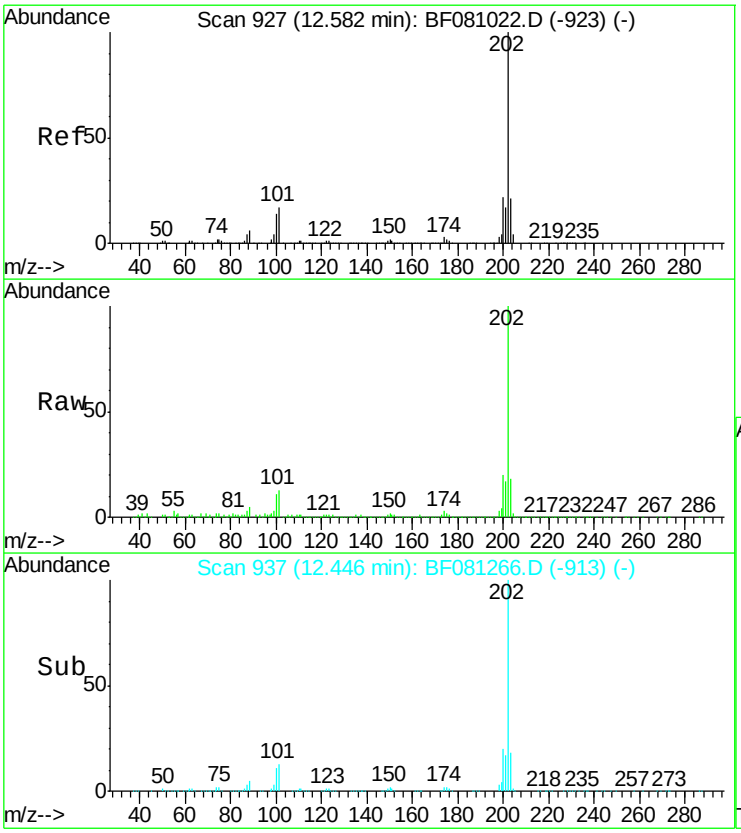
Tgt Ion:240 Resp: 106362

Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.6	8.4#
236	26.0	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

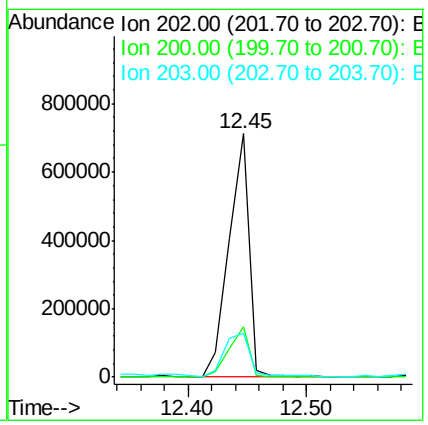
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

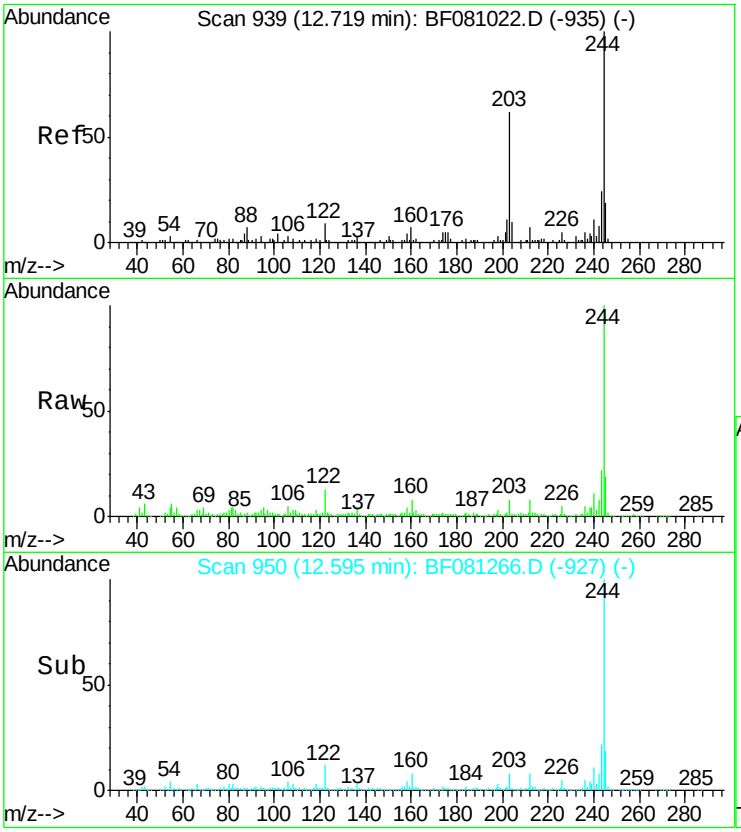


#77
Pyrene
Concen: 96.02 ng
RT: 12.45 min Scan# 937
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:202 Resp: 830289

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	18.2	14.1	21.1

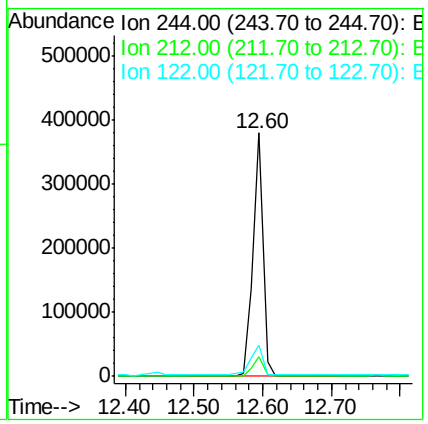




#78
Terphenyl-d14
Concen: 76.11 ng
RT: 12.60 min Scan# 950
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

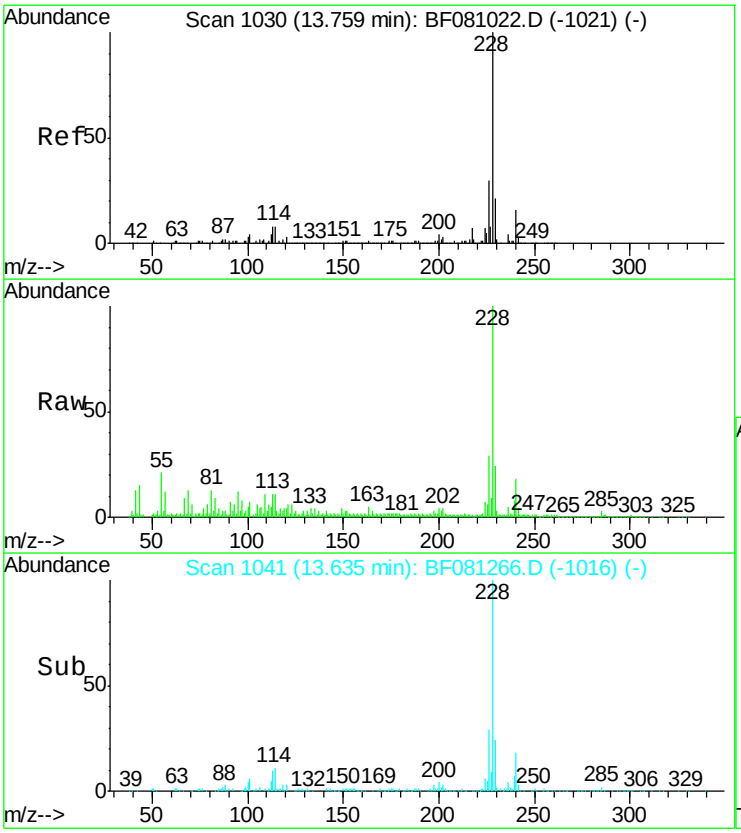
Tgt Ion:244 Resp: 377613

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	12.6	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

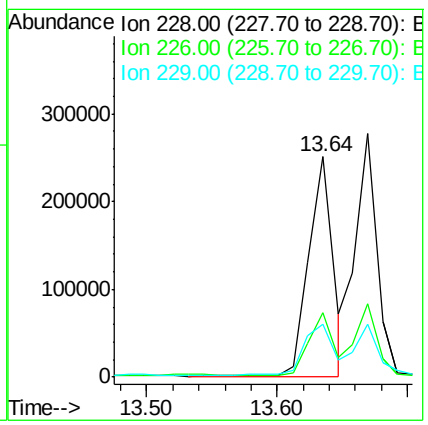
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

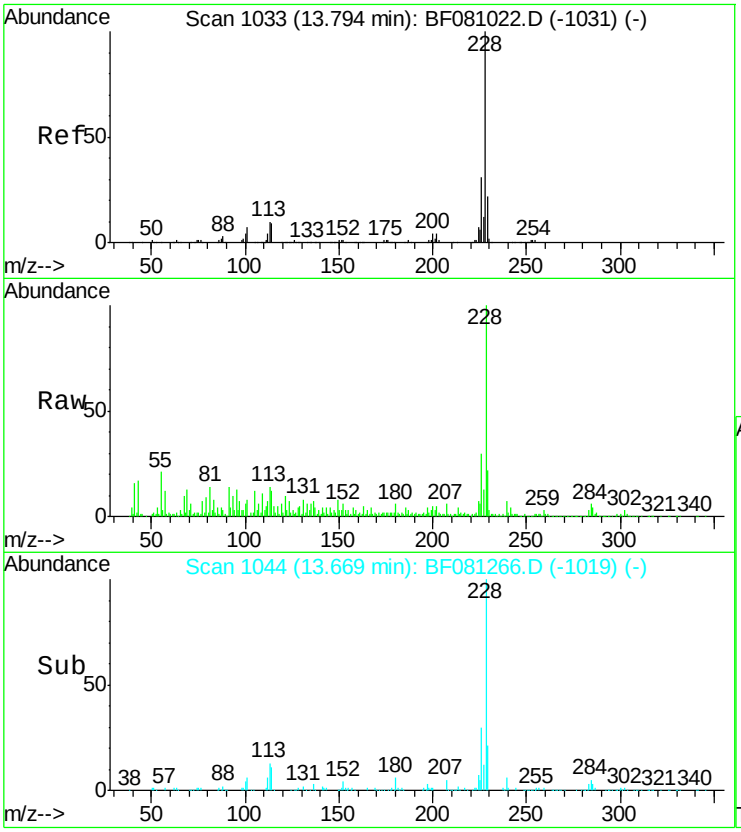


#80
Benzo(a)anthracene
Concen: 44.70 ng
RT: 13.64 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:228 Resp: 318879

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.3	33.5
229	24.2	15.9	23.9#

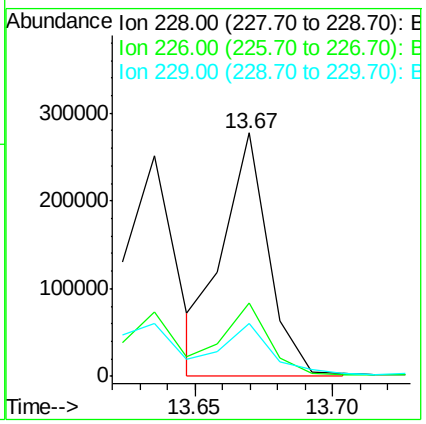




#82
Chrysene
Concen: 49.88 ng m
RT: 13.67 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

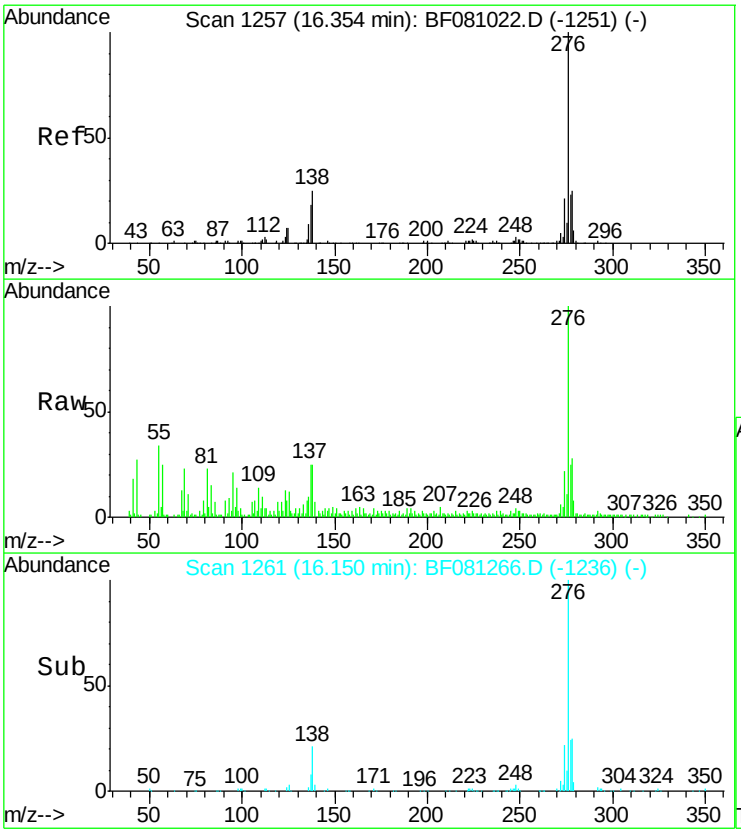
Tgt Ion:228 Resp: 320631

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	21.8	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

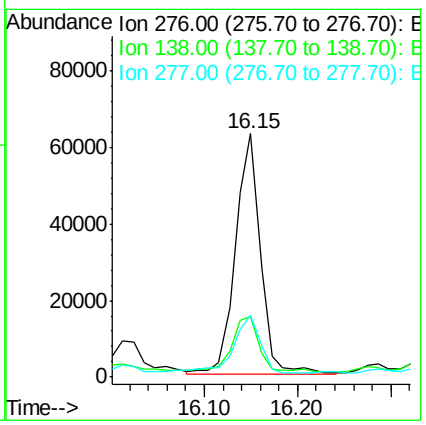
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

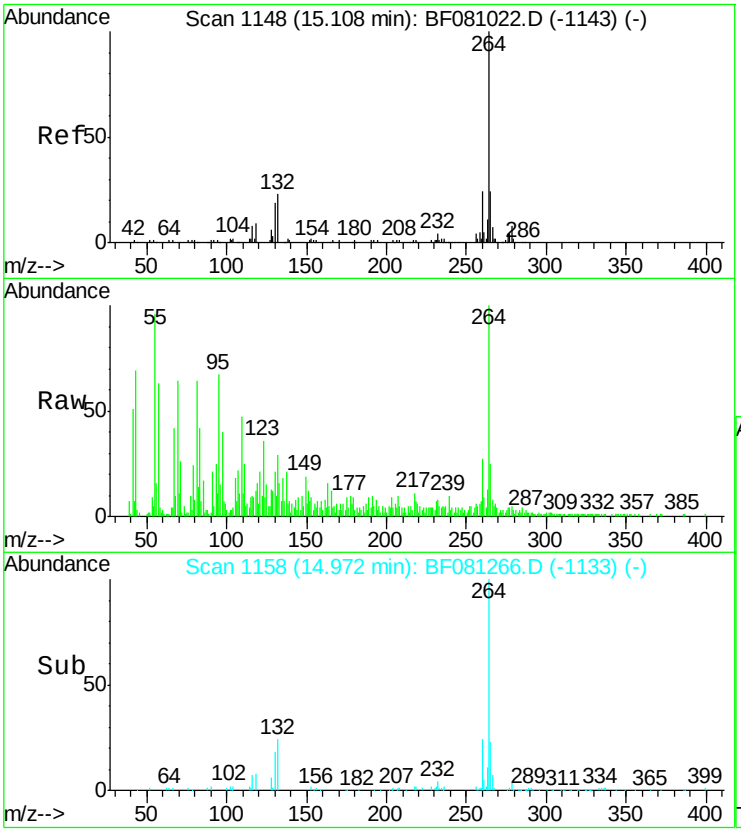


#85
Indeno(1,2,3-cd)pyrene
Concen: 26.09 ng
RT: 16.15 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:276 Resp: 117747

Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.6	28.0
277	25.1	19.8	29.8





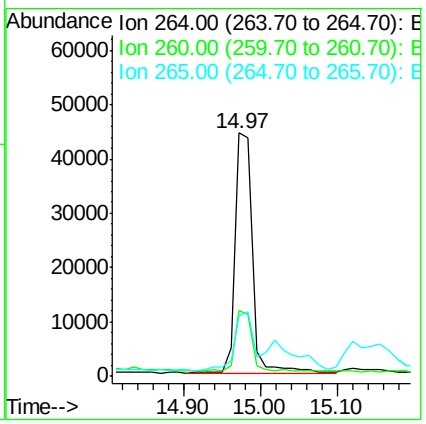
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

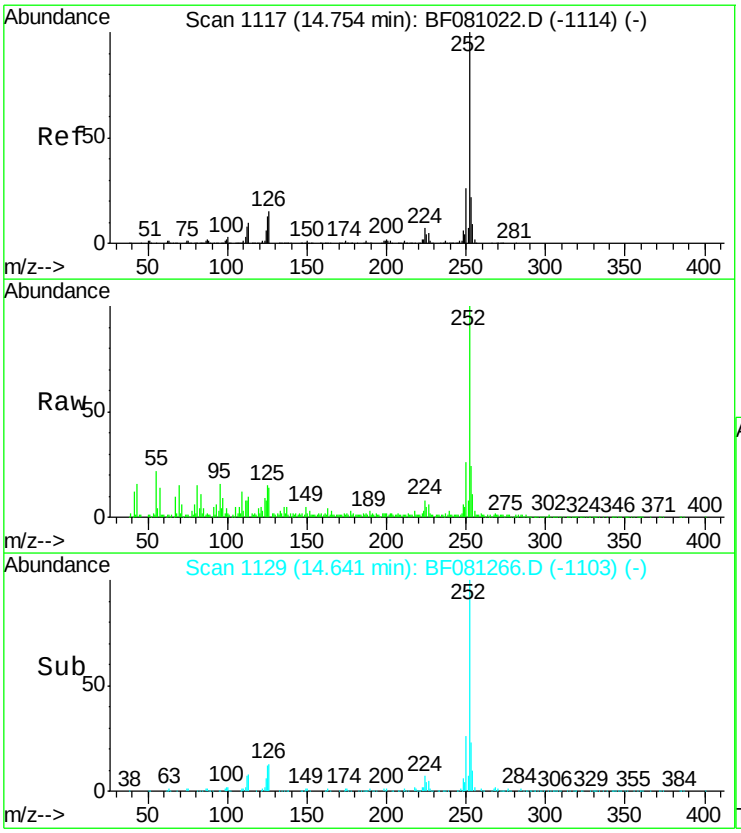
Tgt Ion:264 Resp: 70527

Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.6	29.4
265	25.0	17.5	26.3

Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

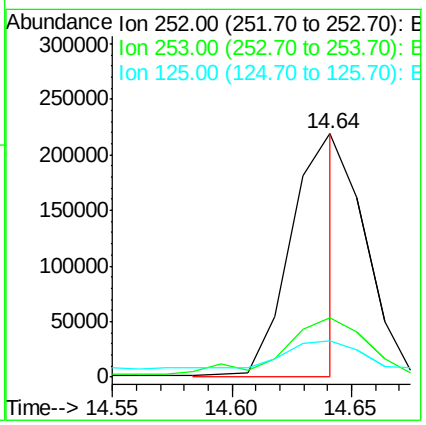


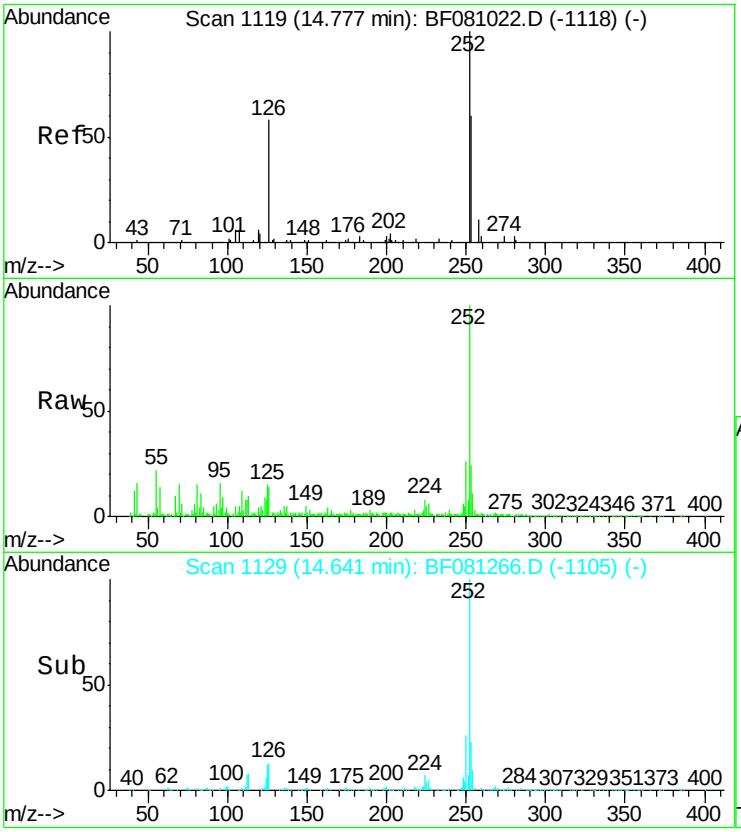


#87
Benzo(b)fluoranthene
Concen: 63.54 ng m
RT: 14.64 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:252 Resp: 316980

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	15.1	8.0	12.0#

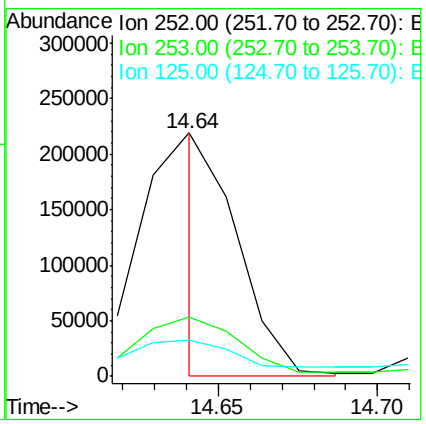




#88
Benzo(k)fluoranthene
Concen: 32.36 ng m
RT: 14.64 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

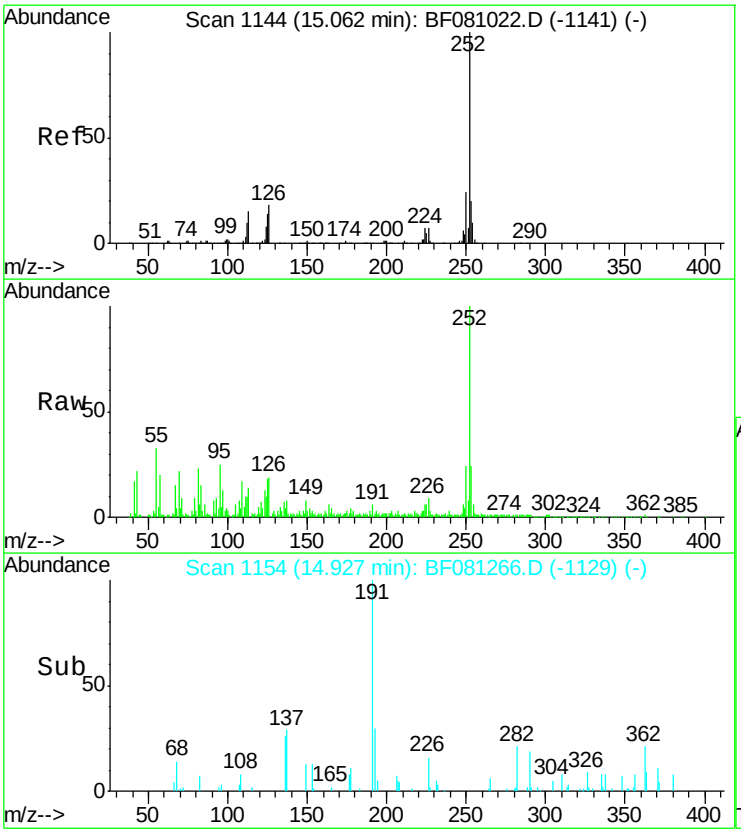
Tgt Ion:252 Resp: 150430

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	15.1	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

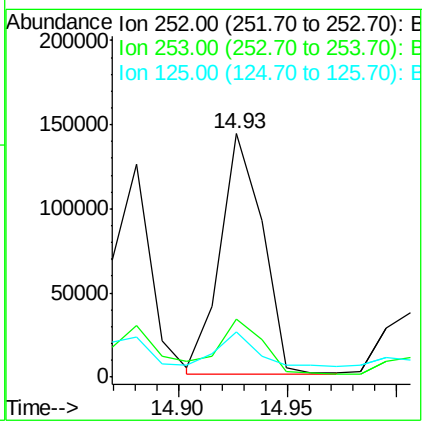
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM

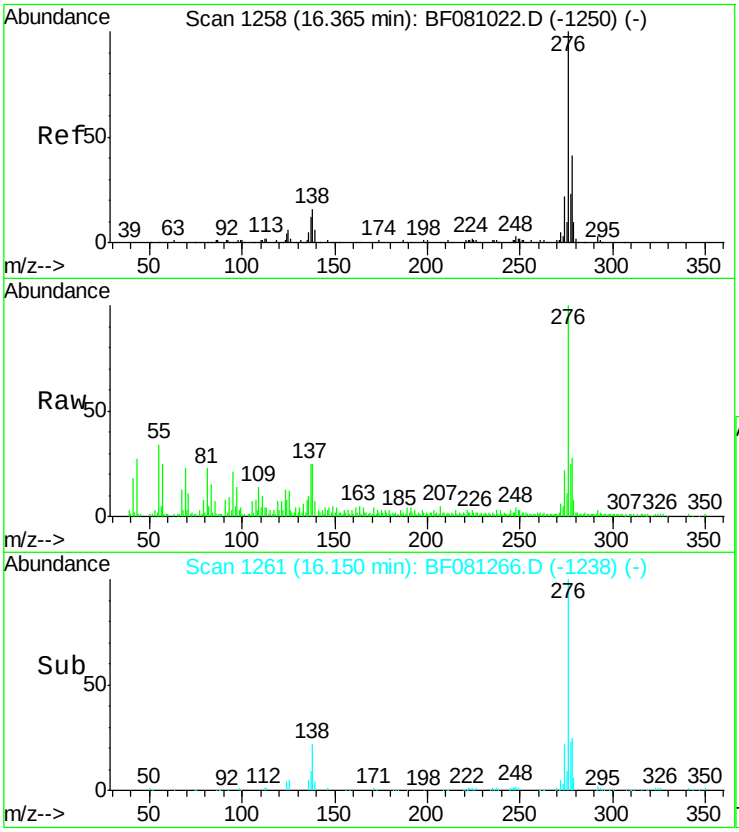


#89
Benzo(a)pyrene
Concen: 44.32 ng
RT: 14.93 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:252 Resp: 192659

Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.6	25.0
125	18.4	7.8	11.8#





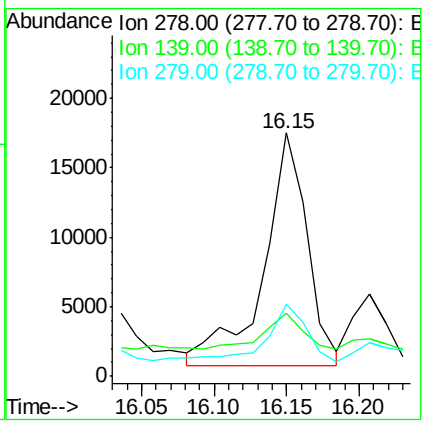
#90
Dibenzo(a,h)anthracene
Concen: 10.30 ng
RT: 16.15 min Scan# 1261
Delta R.T. -0.04 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

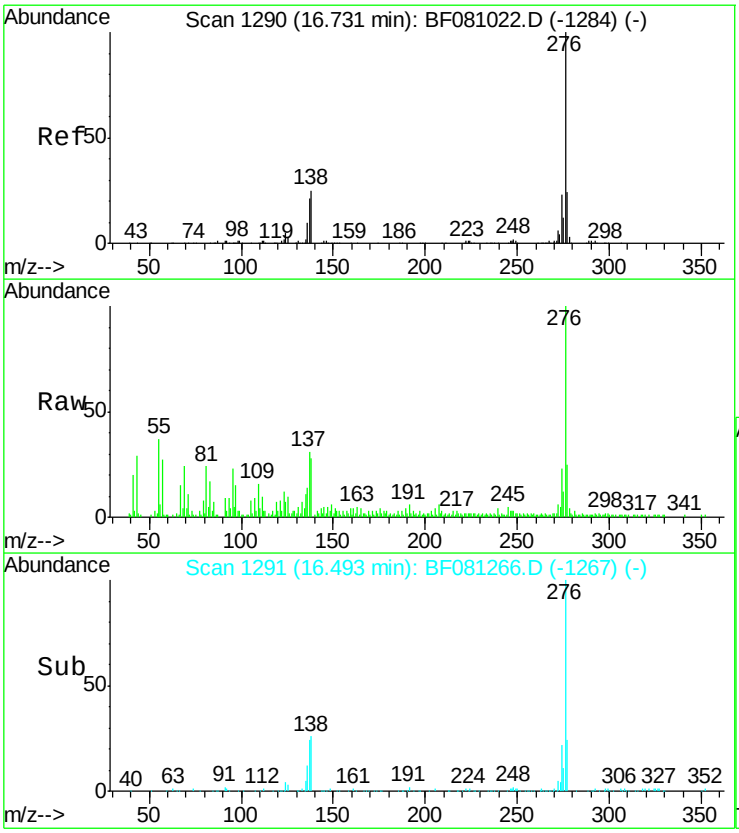
Tgt Ion:278 Resp: 34873

Ion	Ratio	Lower	Upper
278	100		
139	25.7	10.8	16.2#
279	29.8	19.0	28.6#

Instrument :
BNA_F
ClientSampleId :
SB2(2-4)

Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:28 PM





#91
Benzo(g,h,i)perylene
Concen: 29.33 ng
RT: 16.49 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF081266.D
Acq: 28 Aug 2015 6:45

Tgt Ion:276 Resp: 100799

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.2	27.2
138	27.6	13.7	20.5#