Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
Data File : BF081038.D
Acq On : 18 Aug 2015 9:31
Operator : UM/IZ
Sample : G3283-03DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-COMP16DL

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:13:51 PM

Quant Time: Aug 18 12:33:00 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 17 17:57:25 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	54039	20.00	ng		0.00
21) Naphthalene-d8	7.92	136	193668	20.00	ng		0.01
38) Acenaphthene-d10	9.66	164	79084	20.00	ng		0.00
63) Phenanthrene-d10	11.13	188	141066	20.00	ng		0.00
75) Chrysene-d12	13.76	240	113446	20.00	ng		0.01
86) Perylene-d12	15.11	264	79741	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.20	112	104975	29.22	ng		0.01
7) Phenol-d6	6.26	99	134145	28.62	ng		0.00
23) Nitrobenzene-d5	7.19	82	83978	19.81	ng		0.00
41) 2,4,6-Tribromophenol	10.44	330	19974	29.14	ng		0.00
44) 2-Fluorobiphenyl	8.99	172	143375	23.75	ng		0.00
78) Terphenyl-d14	12.72	244	92150	17.41	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	7.93	128	35900	3.33	ng		98
49) Dimethylphthalate	9.39	163	31137	4.78	ng	#	98
51) Acenaphthene	9.69	154	20490	3.42	ng		99
54) Dibenzofuran	9.86	168	20988	2.61	ng		95
57) Fluorene	10.20	166	24947	4.04	ng		98
70) Phenanthrene	11.15	178	173951	20.81	ng		99
71) Anthracene	11.21	178	51601	6.34	ng		98
72) Carbazole	11.36	167	23194	2.96	ng		95
74) Fluoranthene	12.34	202	211502	23.44	ng		98
77) Pyrene	12.56	202	175265	19.00	ng		97
80) Benzo(a)anthracene	13.75	228	93717m	12.32	ng		
82) Chrysene	13.78	228	75040m	10.94	ng		
85) Indeno(1,2,3-cd)pyrene	16.33	276	31115	6.46	ng	#	86
87) Benzo(b)fluoranthene	14.74	252	86284m	15.30	ng		
88) Benzo(k)fluoranthene	14.77	252	29694m	5.65	ng		
89) Benzo(a)pyrene	15.05	252	56869	11.57	ng	#	93
90) Dibenzo(a,h)anthracene	16.34	278	8166	2.13	ng	#	83
91) Benzo(g,h,i)perylene	16.70	276	27351	7.04	ng	#	84

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

Quantitation Report (QT Reviewed)

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BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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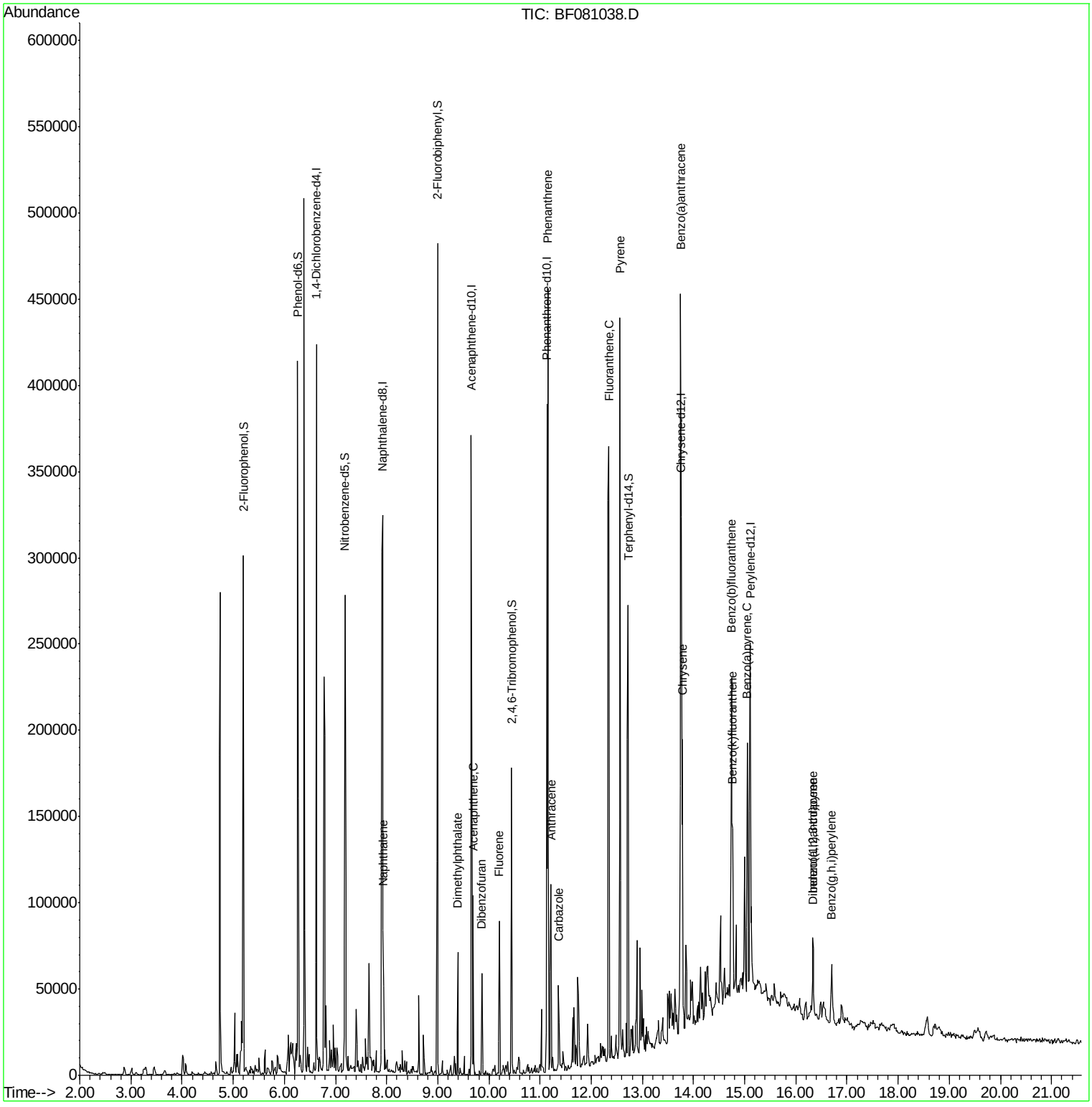
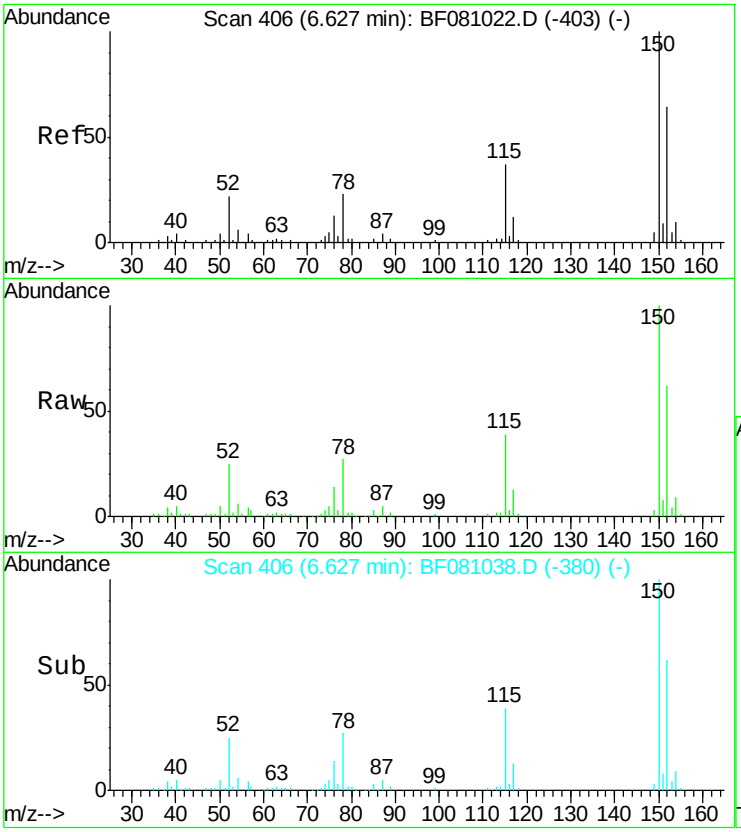
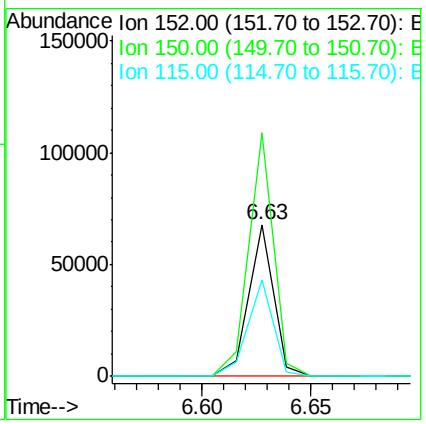




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:152 Resp: 54039

Ion	Ratio	Lower	Upper
152	100		
150	160.4	123.8	185.6
115	63.2	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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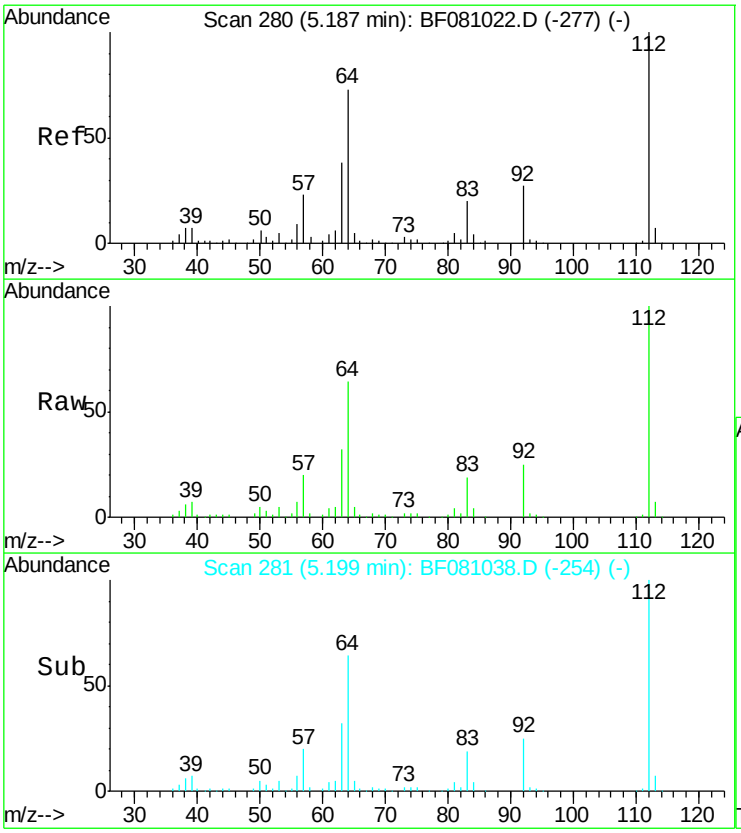
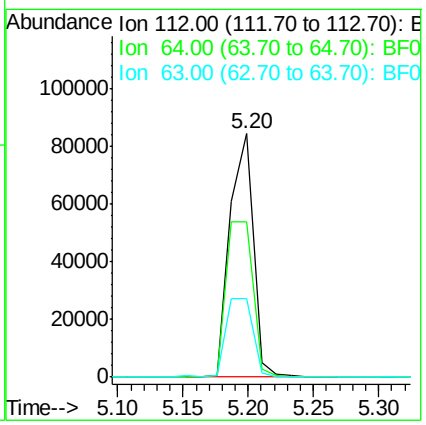
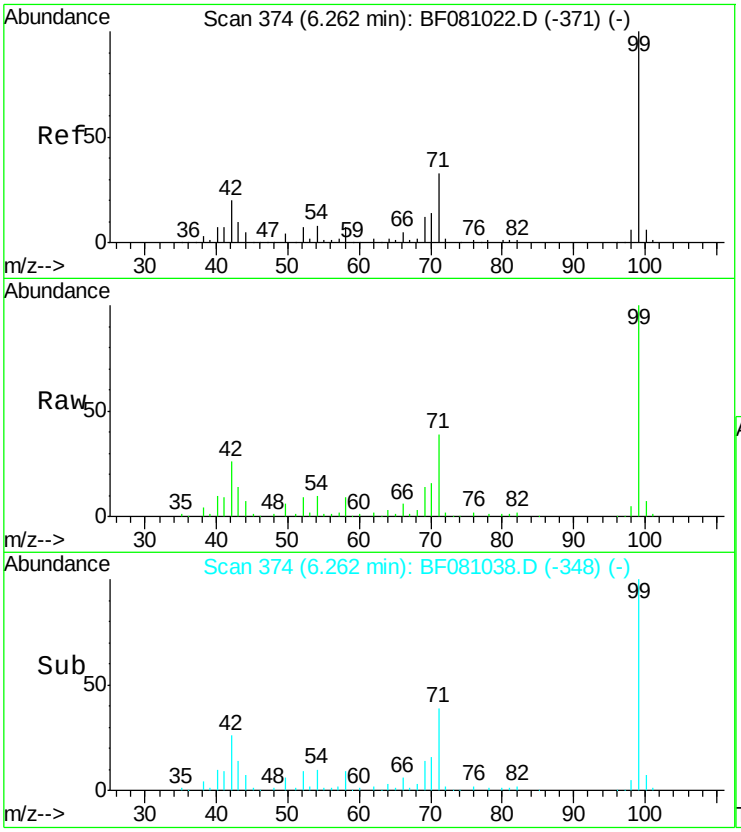


#5
2-Fluorophenol
Concen: 29.22 ng
RT: 5.20 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:112 Resp: 104975

Ion	Ratio	Lower	Upper
112	100		
64	63.6	66.9	100.3#
63	32.5	38.1	57.1#

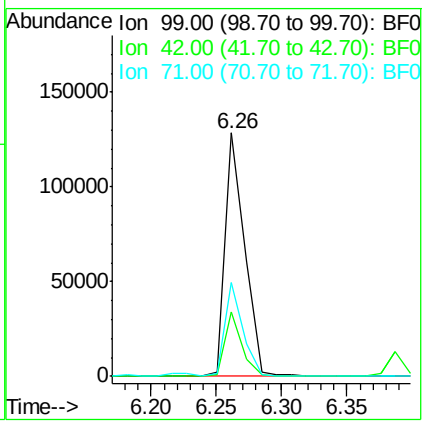




#7
Phenol-d6
Concen: 28.62 ng
RT: 6.26 min Scan# 374
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion: 99 Resp: 134145

Ion	Ratio	Lower	Upper
99	100		
42	26.3	19.6	29.4
71	38.6	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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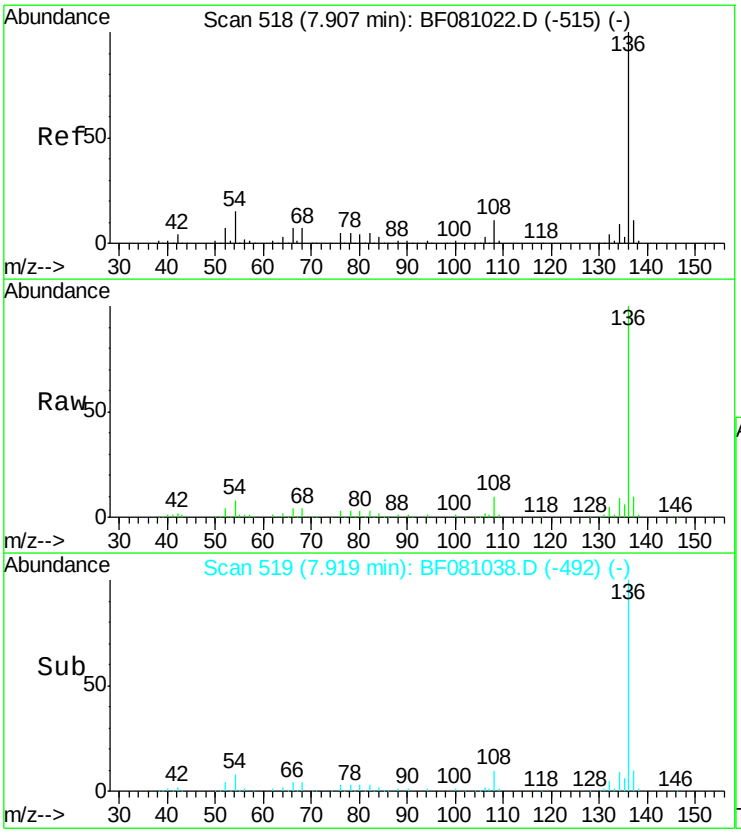
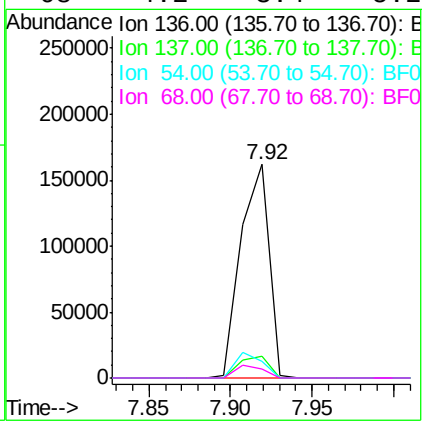
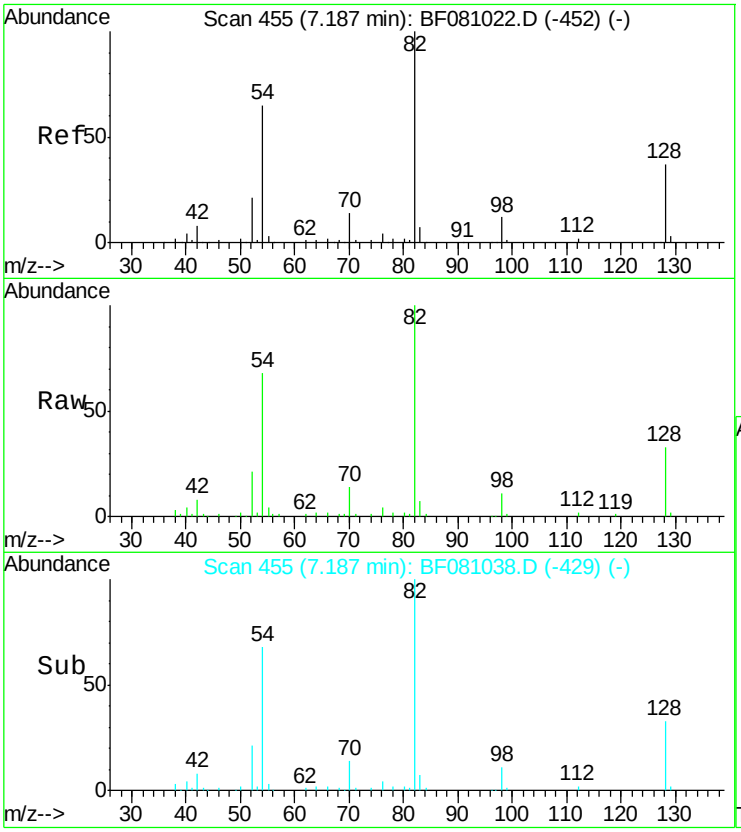


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 519
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:136 Resp: 193668

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.2	12.2
54	7.7	7.7	11.5#
68	4.2	3.4	5.2

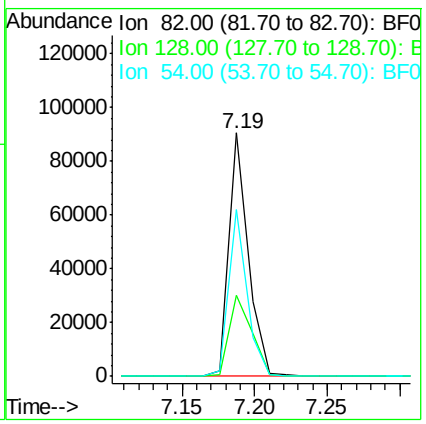




#23
Nitrobenzene-d5
Concen: 19.81 ng
RT: 7.19 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion: 82 Resp: 83978

Ion	Ratio	Lower	Upper
82	100		
128	33.2	28.6	42.8
54	68.3	55.1	82.7



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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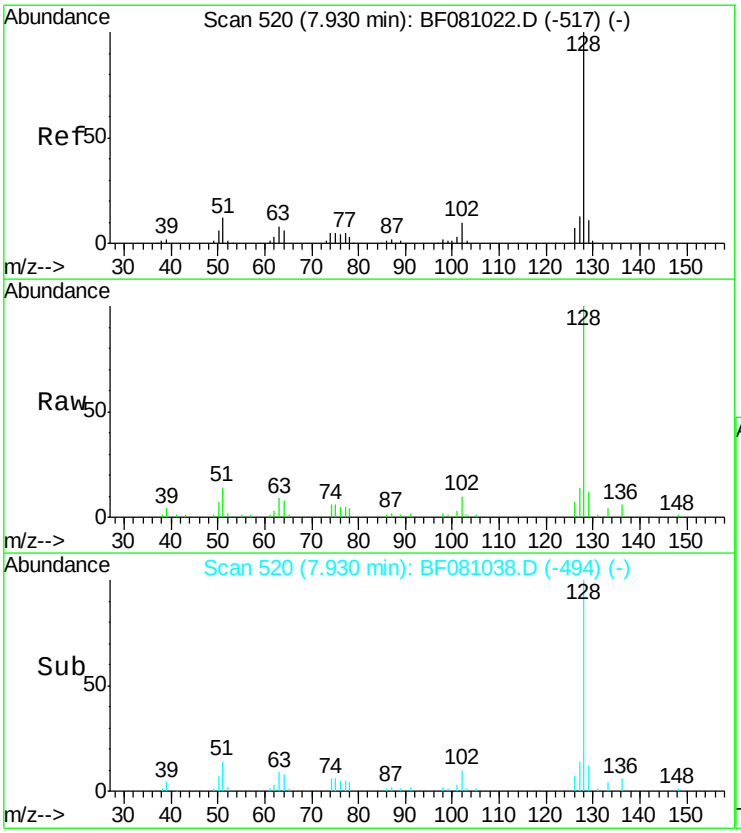
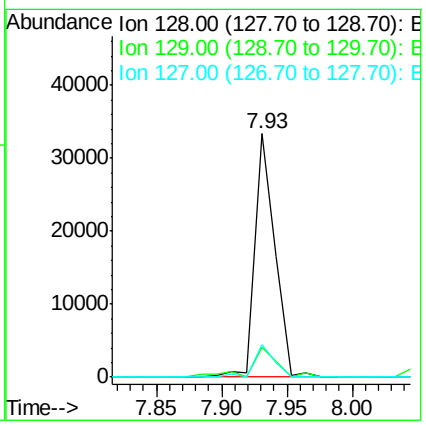
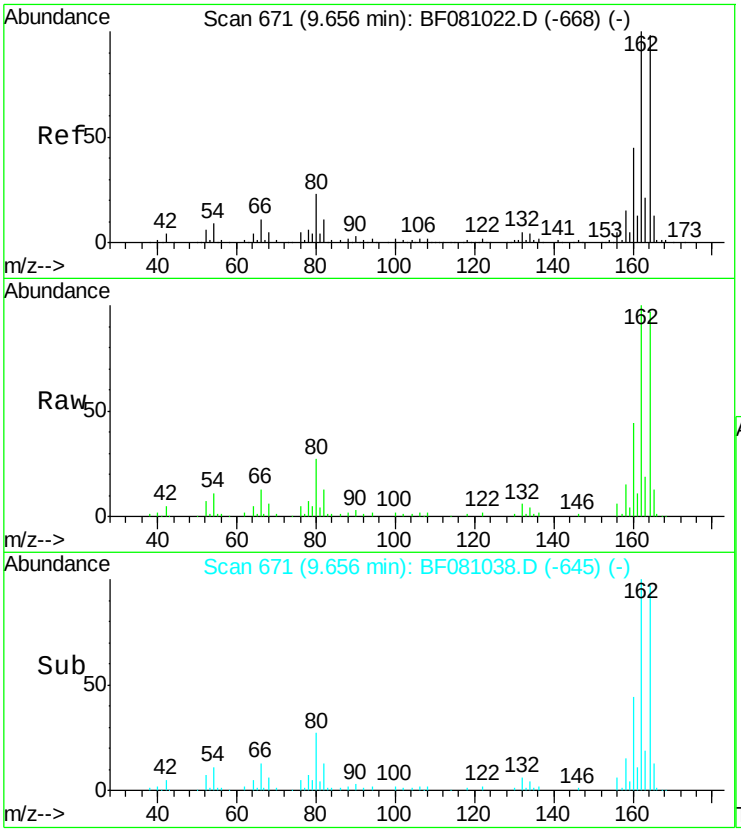


#31
Naphthalene
Concen: 3.33 ng
RT: 7.93 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:128 Resp: 35900

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.4	12.6
127	13.5	10.6	16.0

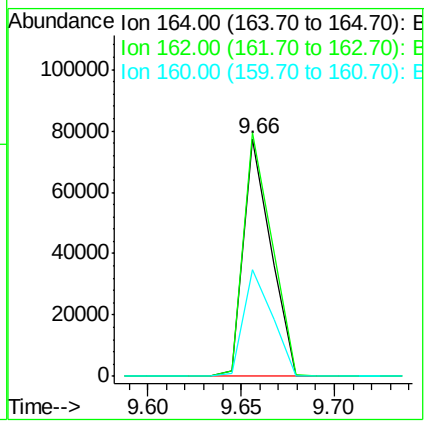




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:164 Resp: 79084

Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.8	125.8
160	45.2	39.8	59.8



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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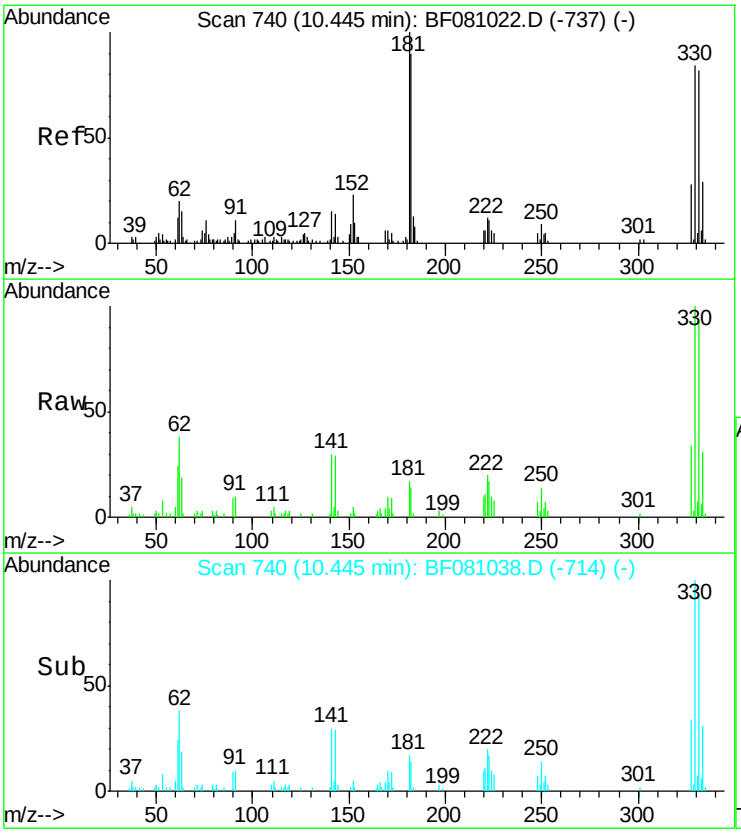
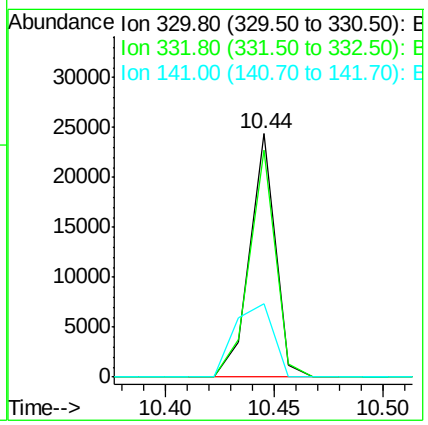
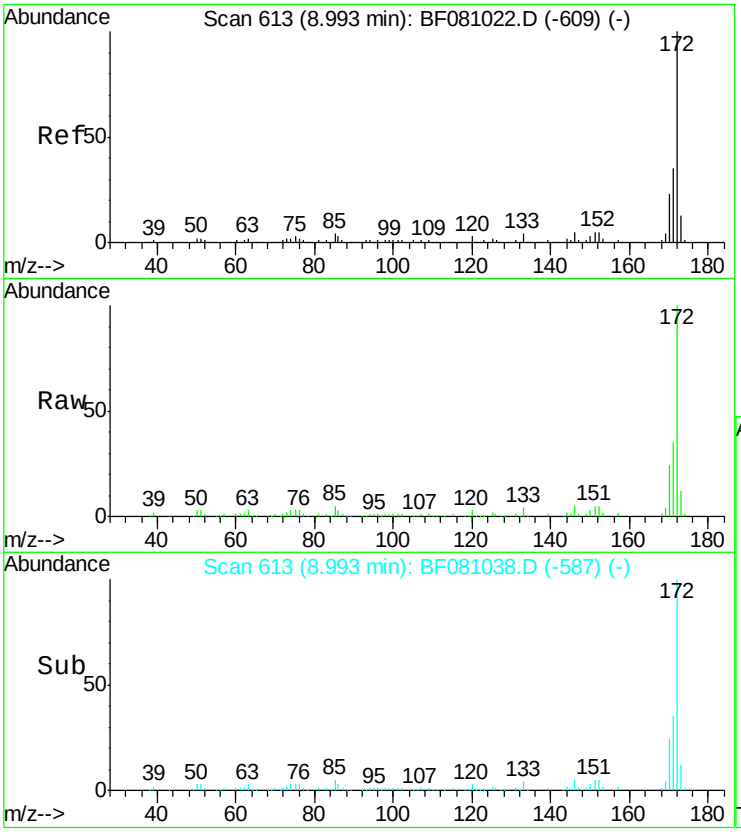


#41
2,4,6-Tribromophenol
Concen: 29.14 ng
RT: 10.44 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:330 Resp: 19974

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	45.7	44.9	67.3

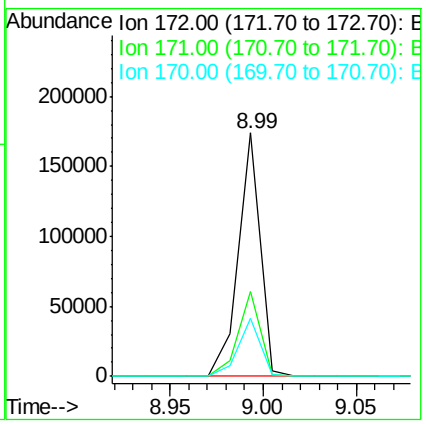




#44
2-Fluorobiphenyl
Concen: 23.75 ng
RT: 8.99 min Scan# 613
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:172 Resp: 143375

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	23.6	19.4	29.2



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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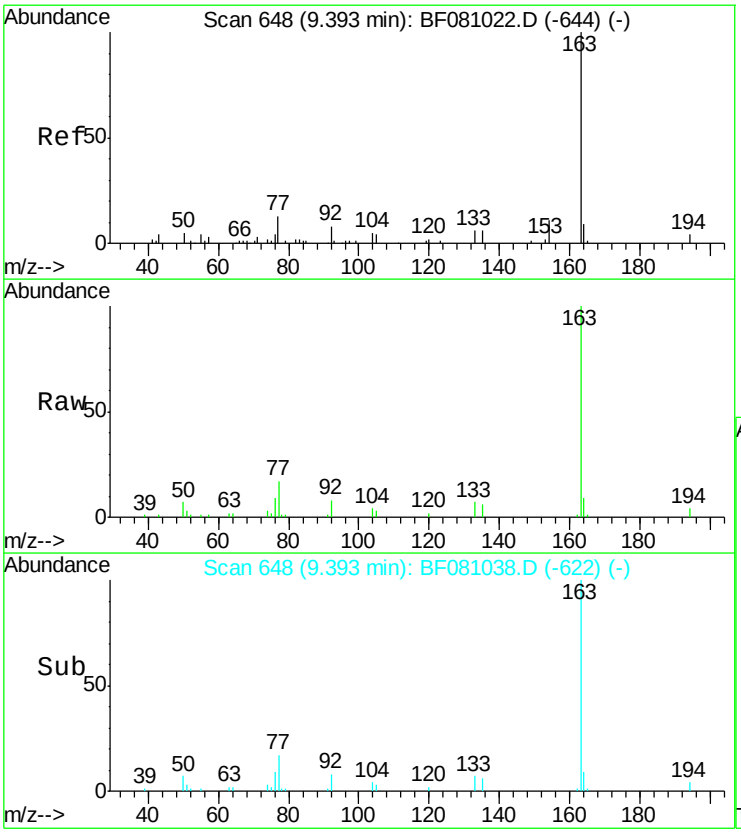
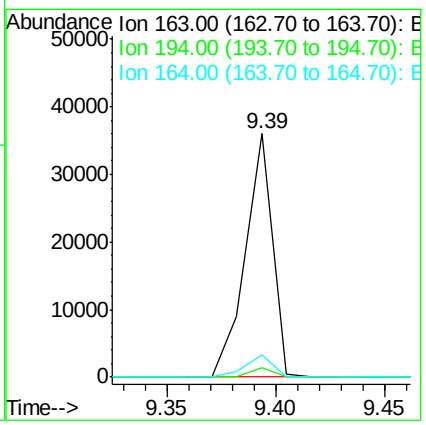
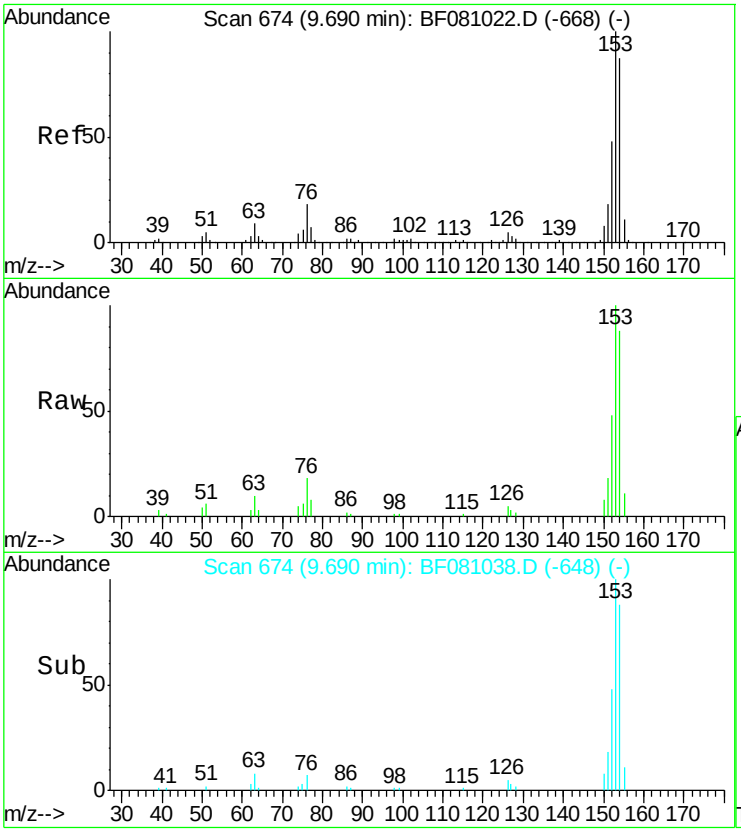


#49
Dimethylphthalate
Concen: 4.78 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:163 Resp: 31137

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.5	3.7#
164	9.3	8.1	12.1

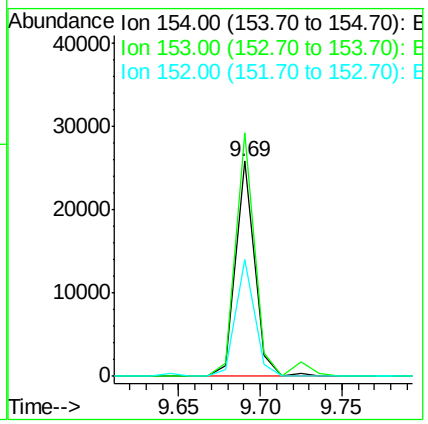




#51
Acenaphthene
Concen: 3.42 ng
RT: 9.69 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:154 Resp: 20490

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.4	137.2
152	54.7	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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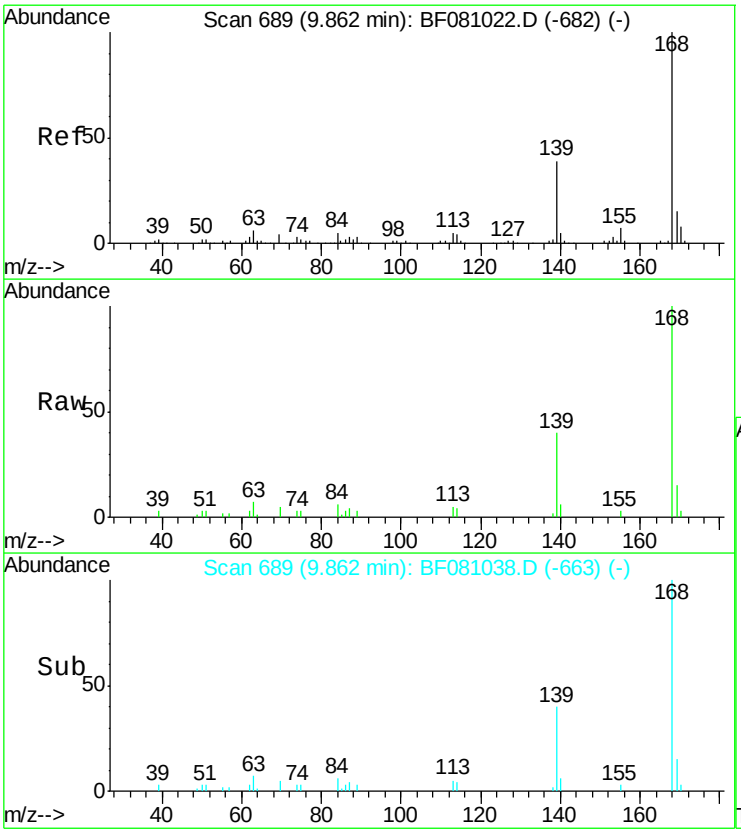
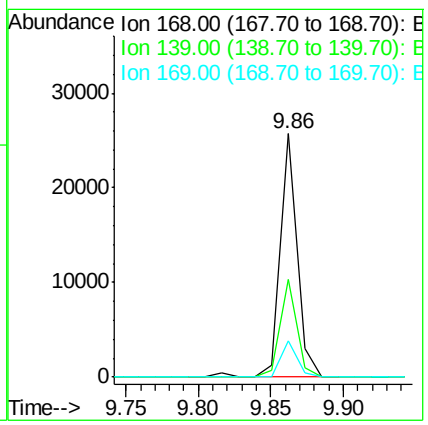
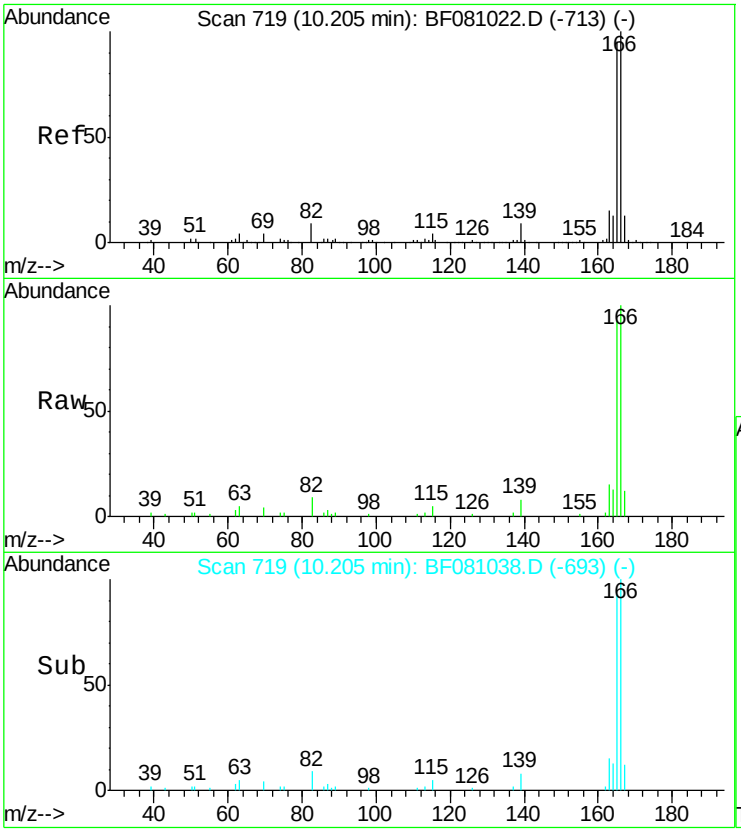


#54
Dibenzofuran
Concen: 2.61 ng
RT: 9.86 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:168 Resp: 20988

Ion	Ratio	Lower	Upper
168	100		
139	39.9	29.3	43.9
169	15.0	10.3	15.5

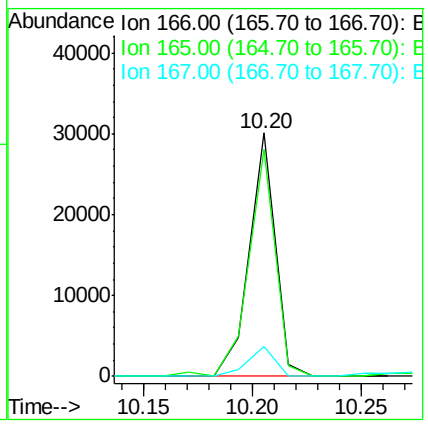




#57
Fluorene
Concen: 4.04 ng
RT: 10.20 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:166 Resp: 24947

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.8	113.8
167	12.3	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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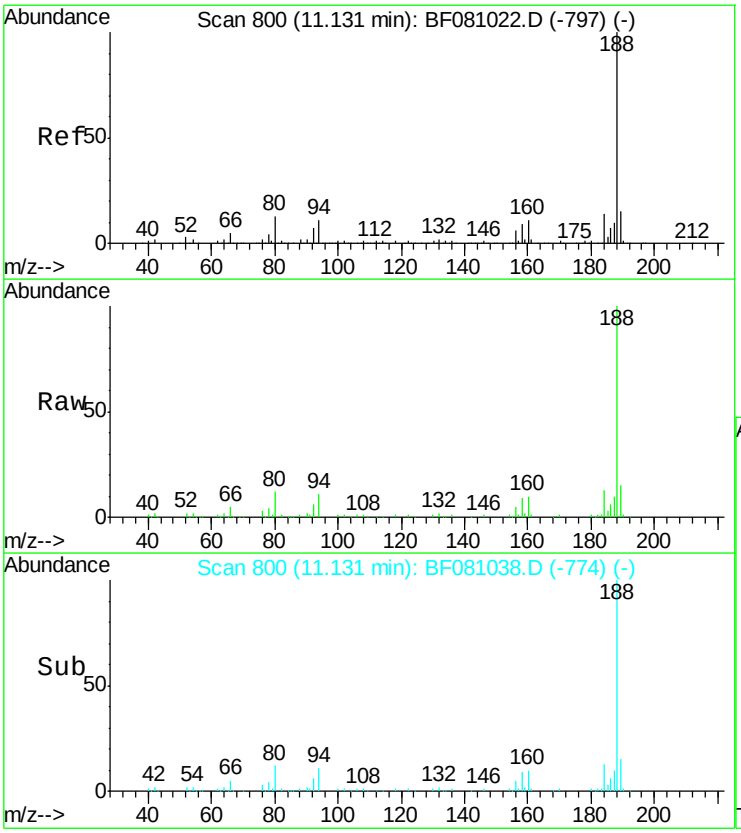
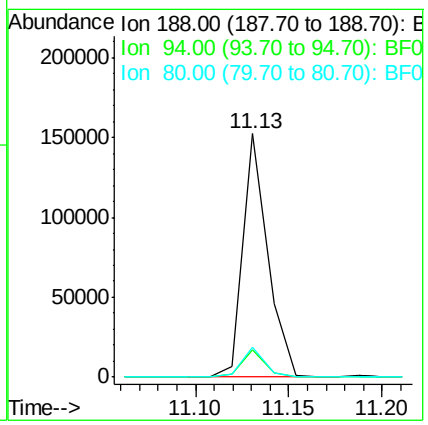
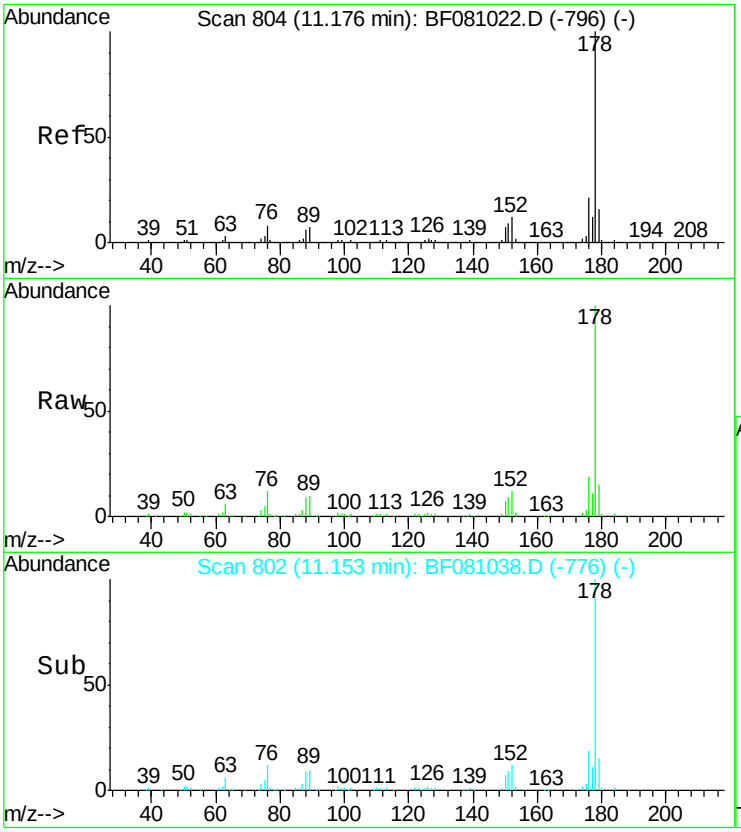


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:188 Resp: 141066

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.2	12.2
80	12.3	9.5	14.3

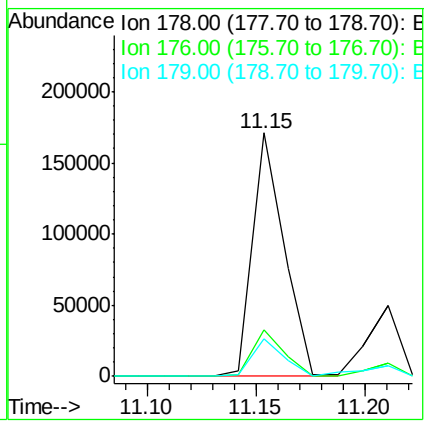




#70
Phenanthrene
Concen: 20.81 ng
RT: 11.15 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

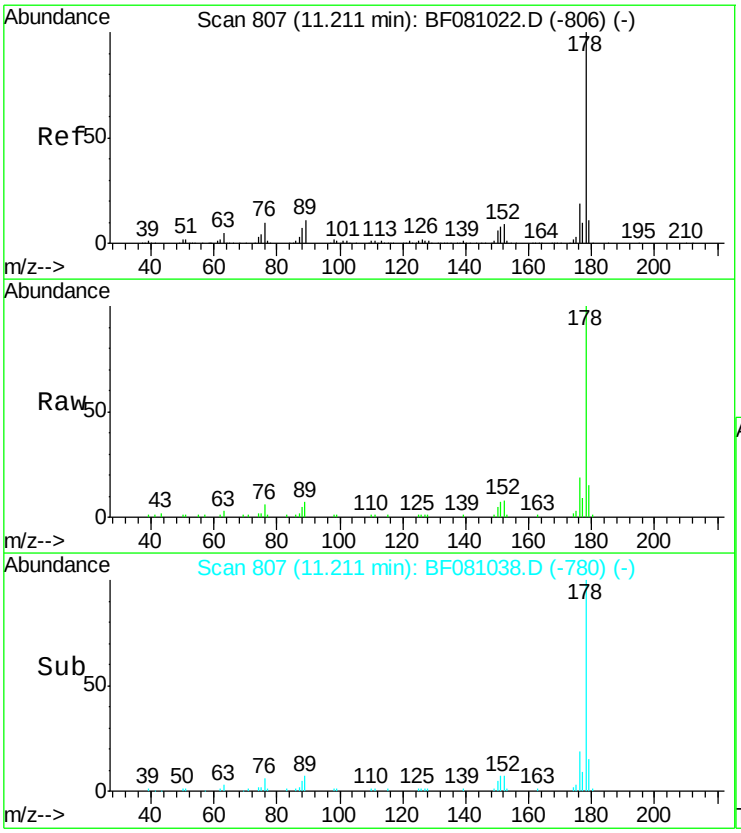
Tgt Ion:178 Resp: 173951

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.4	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

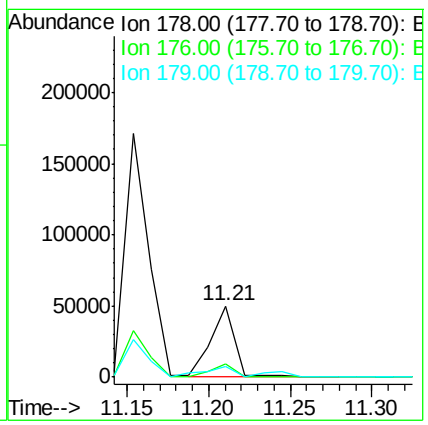
Manual Integrations APPROVED
MMDadoda
8/18/2015 5:13:51 PM

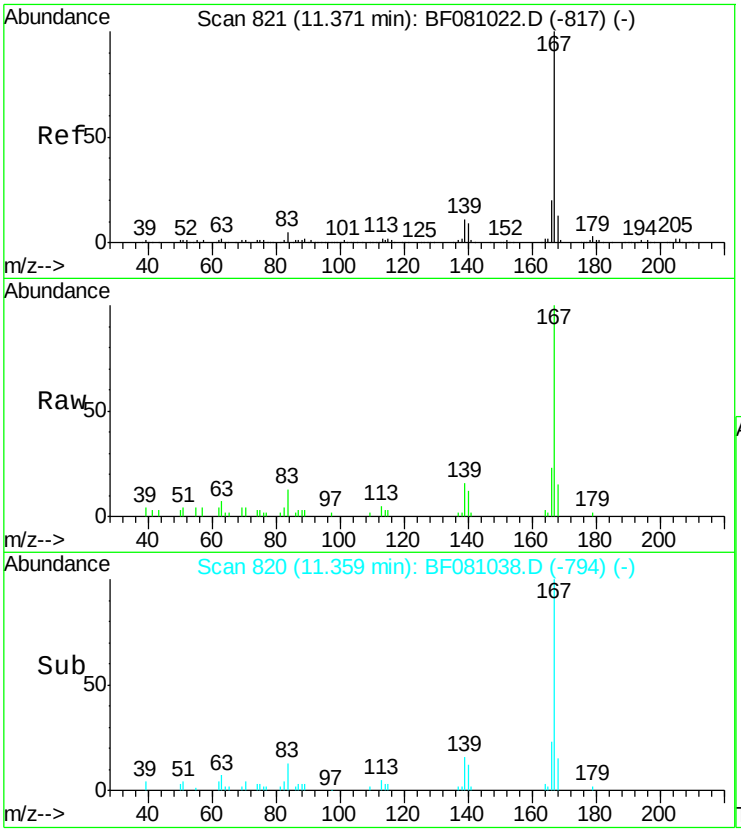


#71
Anthracene
Concen: 6.34 ng
RT: 11.21 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:178 Resp: 51601

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	14.7	12.7	19.1

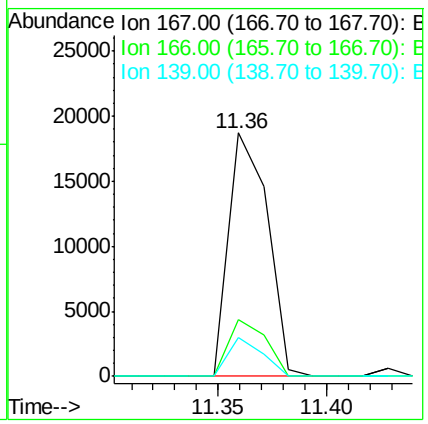




#72
Carbazole
Concen: 2.96 ng
RT: 11.36 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:167 Resp: 23194

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.4	26.0
139	15.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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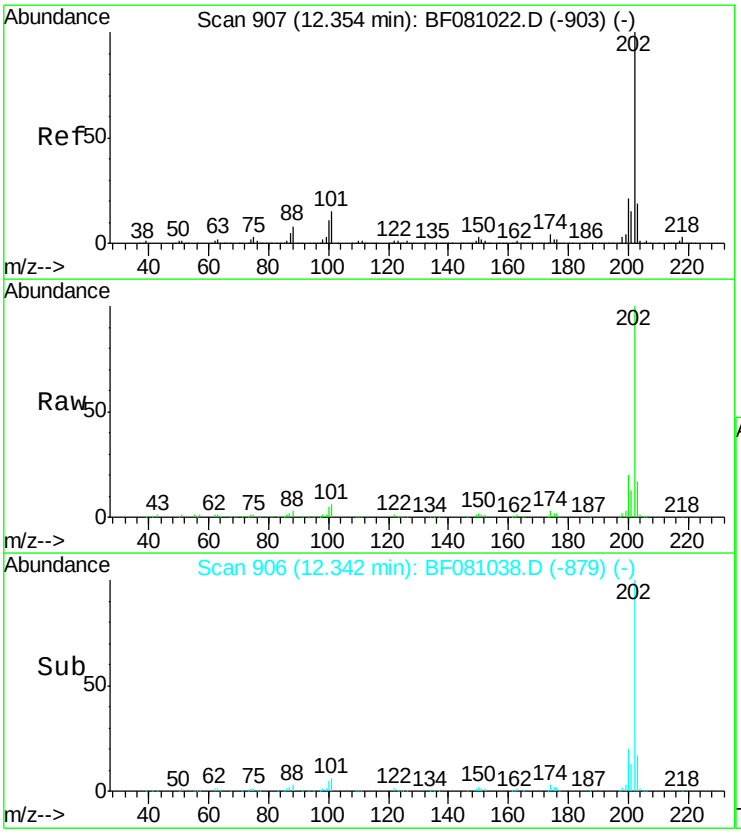
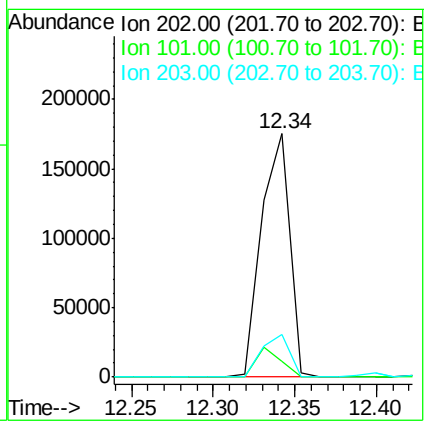
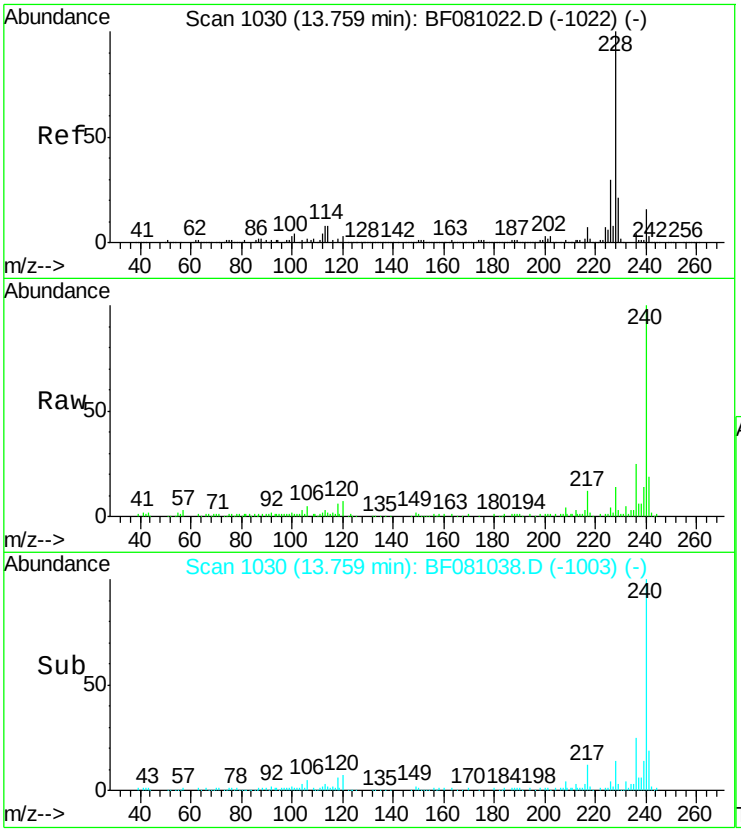


#74
Fluoranthene
Concen: 23.44 ng
RT: 12.34 min Scan# 906
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:202 Resp: 211502

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	24.8
203	17.5	0.0	36.9

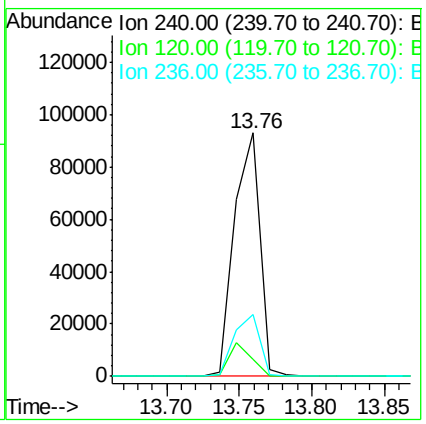




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1030
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:240 Resp: 113446

Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.6	8.4
236	25.2	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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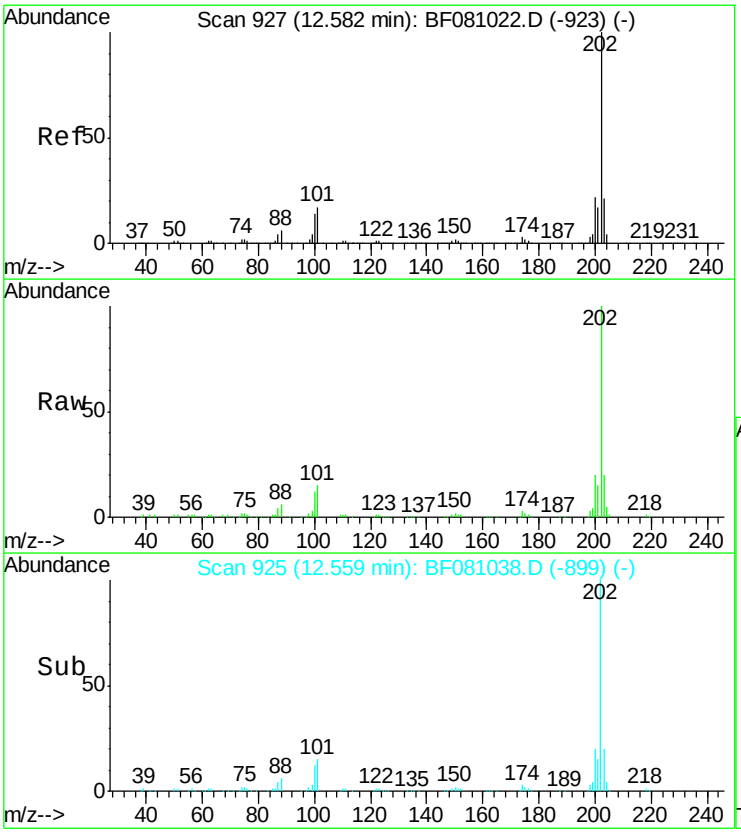
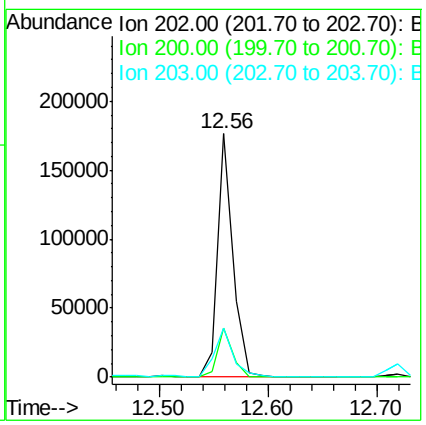
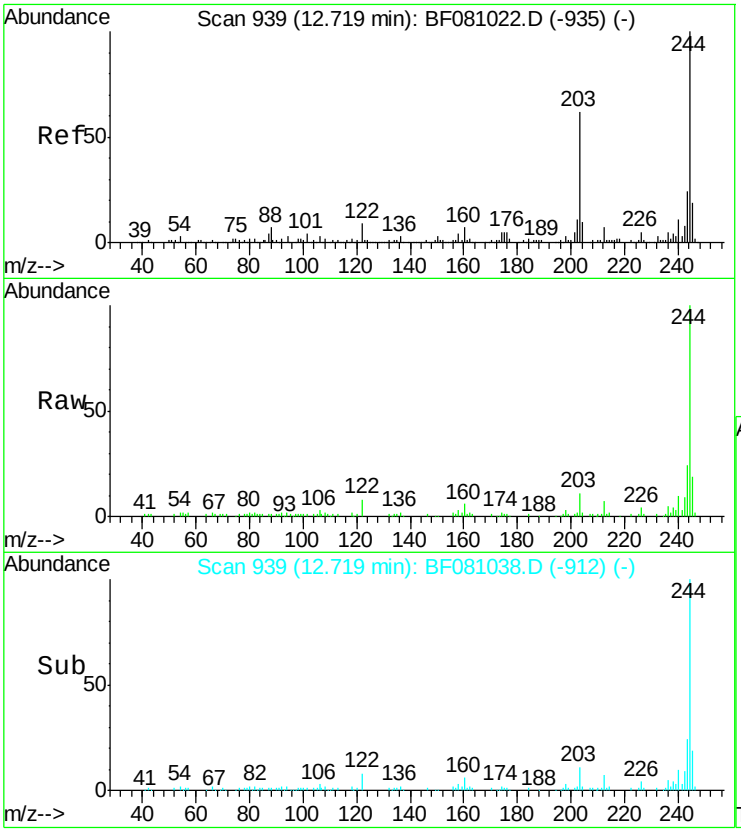


#77
Pyrene
Concen: 19.00 ng
RT: 12.56 min Scan# 925
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:202 Resp: 175265

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.6	24.8
203	20.0	14.1	21.1

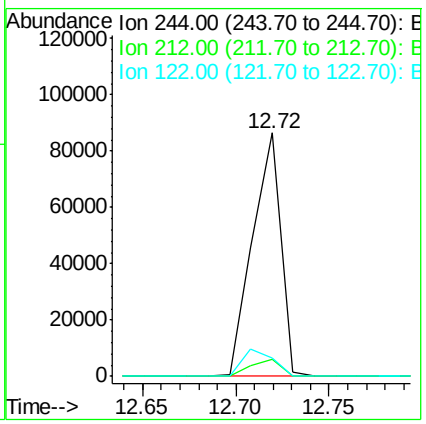




#78
Terphenyl-d14
Concen: 17.41 ng
RT: 12.72 min Scan# 939
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:244 Resp: 92150

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	7.6	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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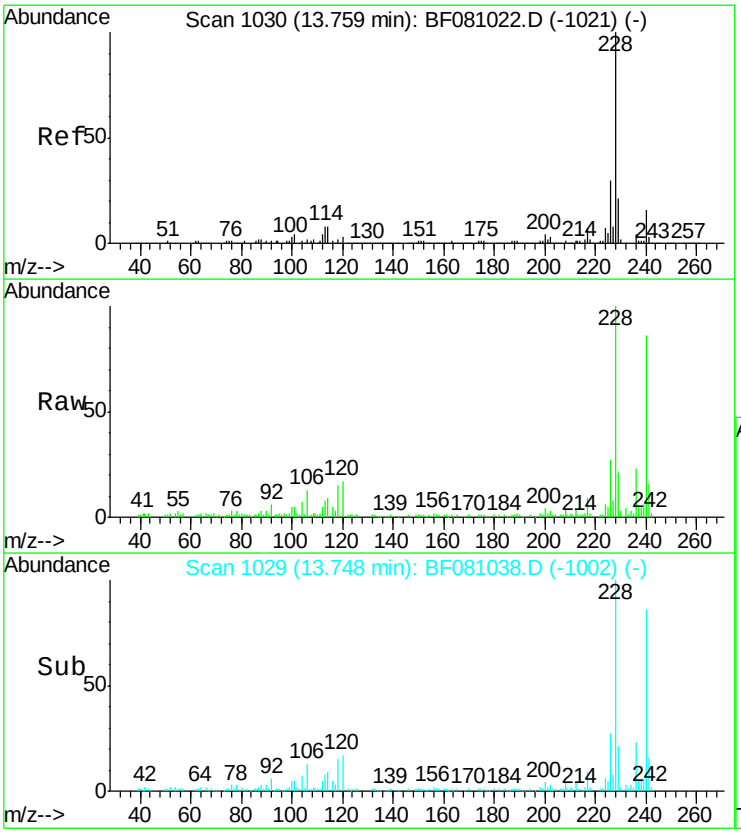
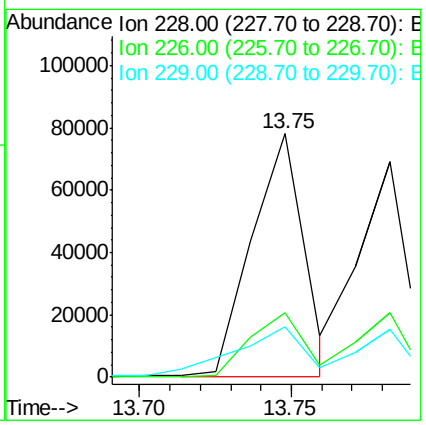
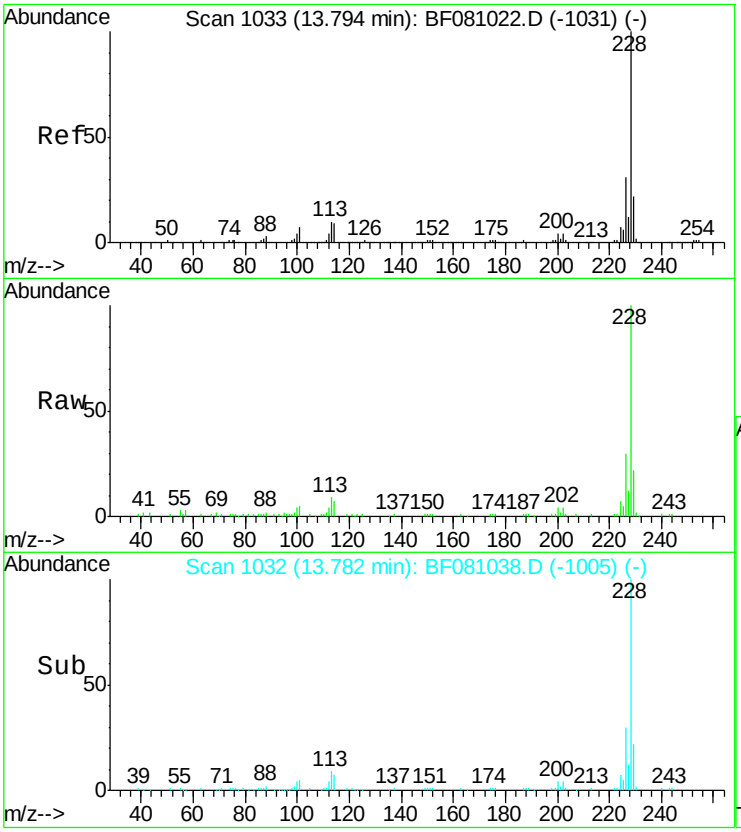


#80
Benzo(a)anthracene
Concen: 12.32 ng m
RT: 13.75 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:228 Resp: 93717

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.3	33.5
229	20.8	15.9	23.9





#82
Chrysene
Concen: 10.94 ng m
RT: 13.78 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:228 Resp: 75040

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	22.2	16.0	24.0

Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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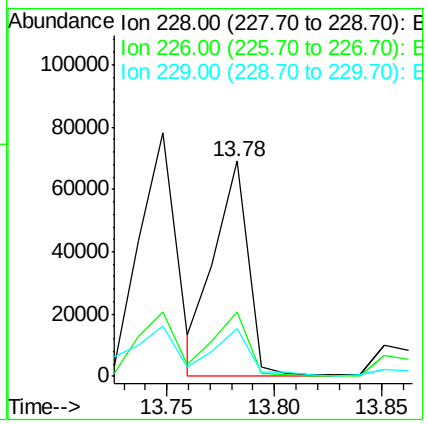
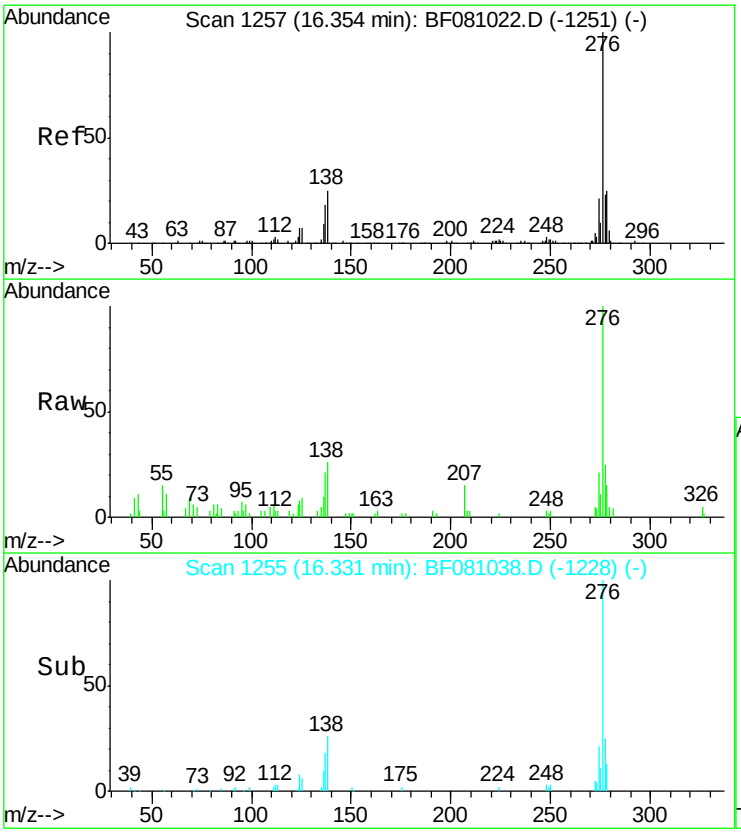
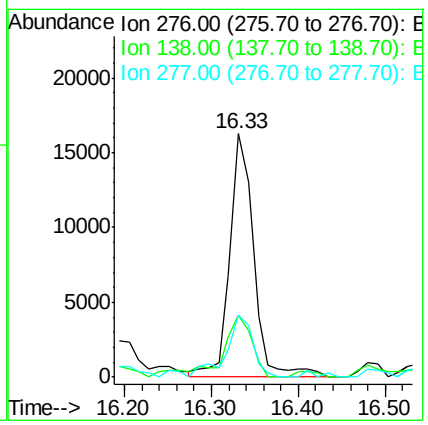


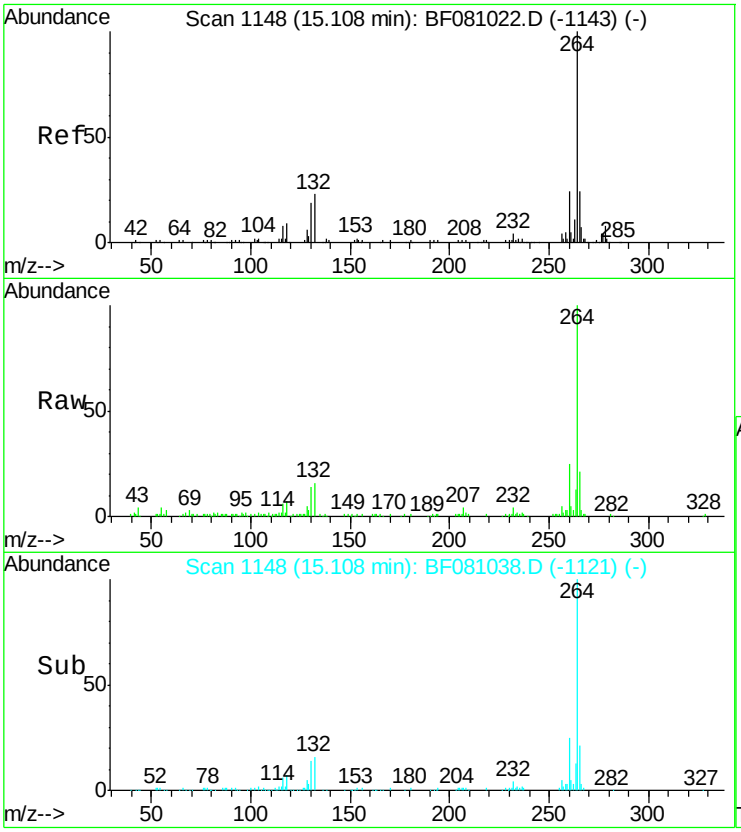


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.46 ng
RT: 16.33 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:276 Resp: 31115

Ion	Ratio	Lower	Upper
276	100		
138	32.3	18.6	28.0#
277	30.2	19.8	29.8#

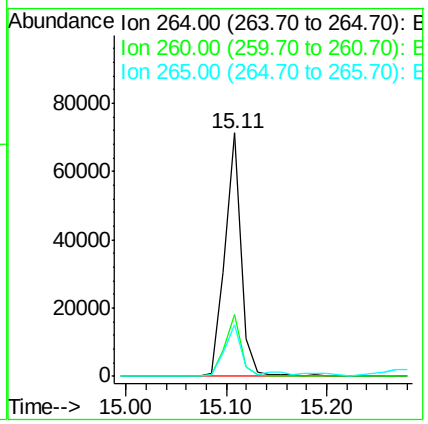




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:264 Resp: 79741

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	21.0	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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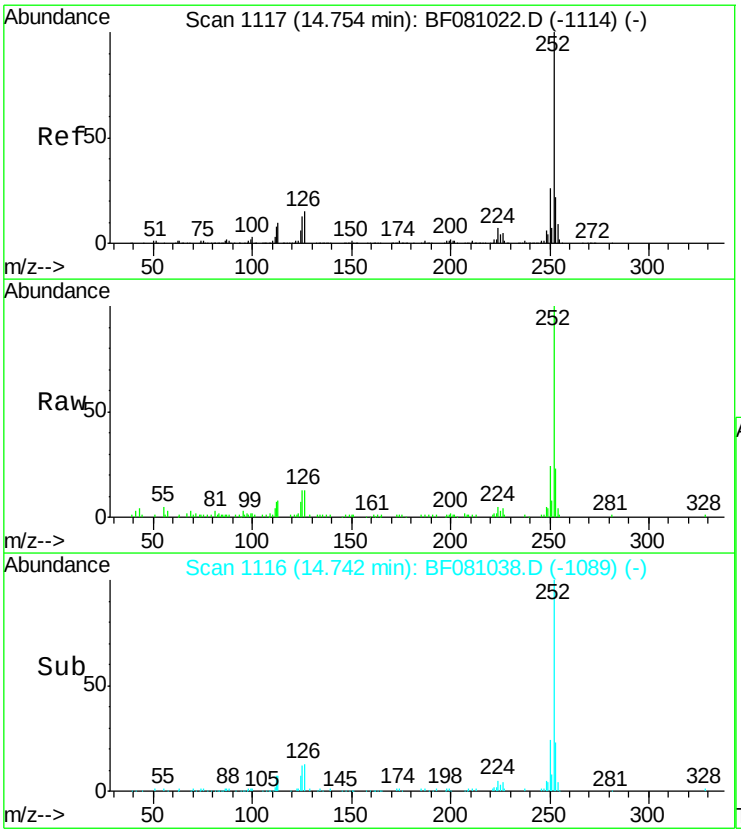
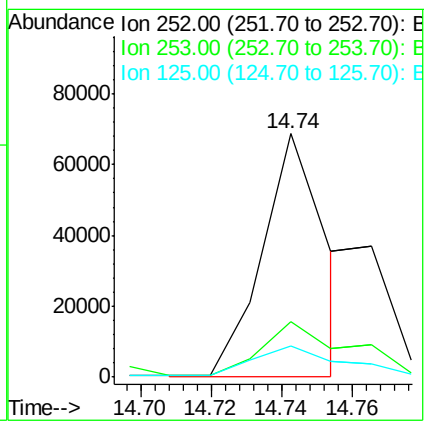
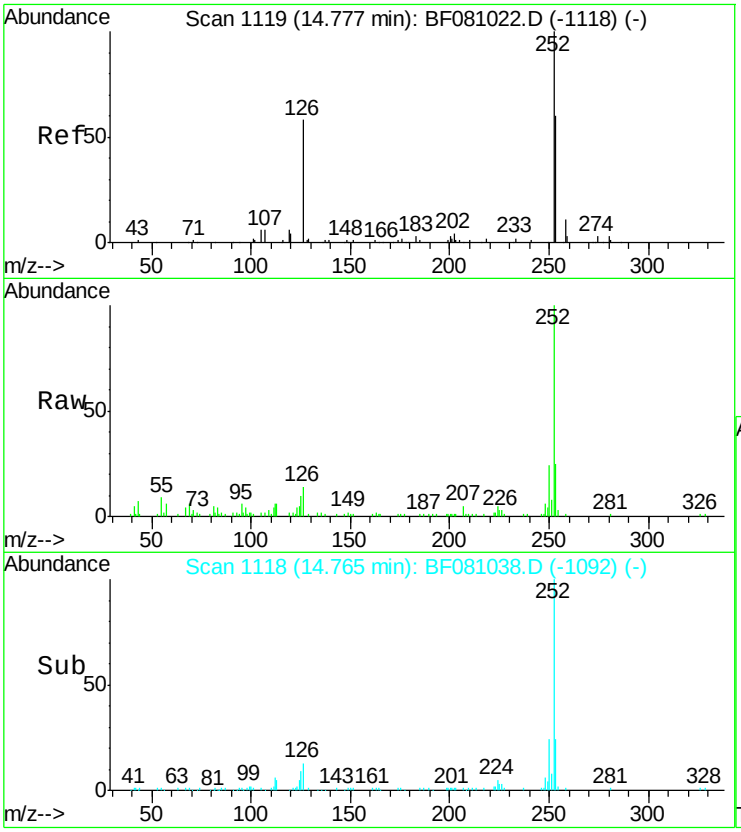


#87
Benzo(b)fluoranthene
Concen: 15.30 ng m
RT: 14.74 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:252 Resp: 86284

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.8	8.0	12.0#

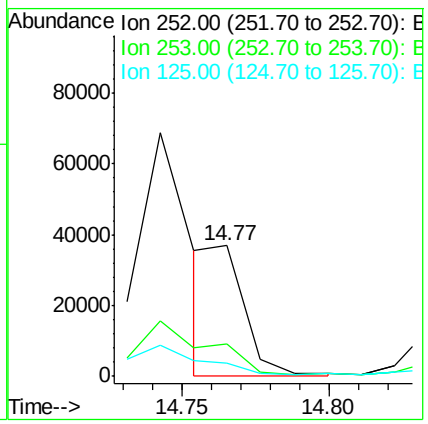




#88
Benzo(k)fluoranthene
Concen: 5.65 ng m
RT: 14.77 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:252 Resp: 29694

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4
125	10.4	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

Manual Integrations APPROVED
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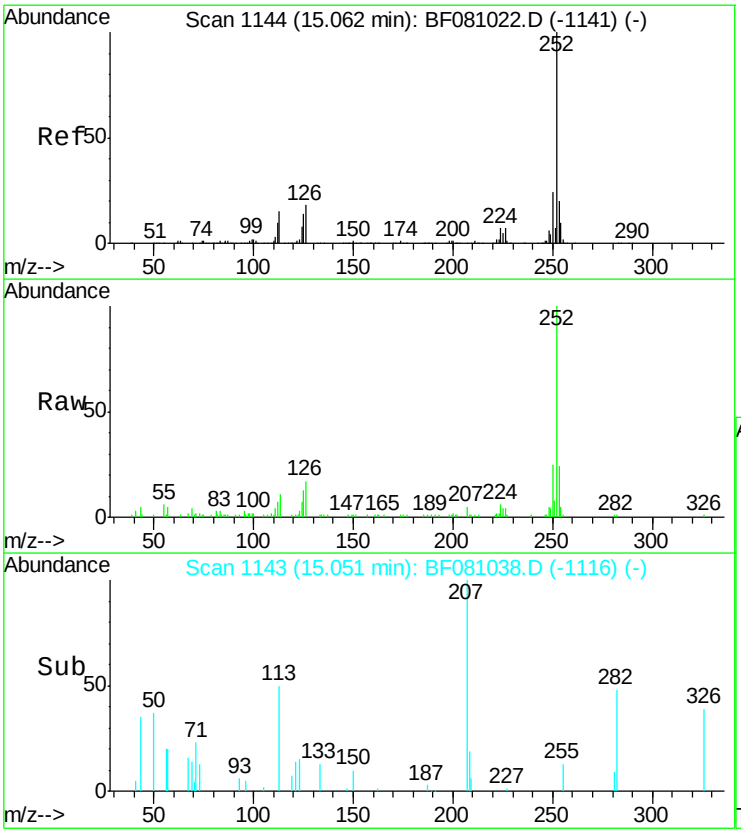
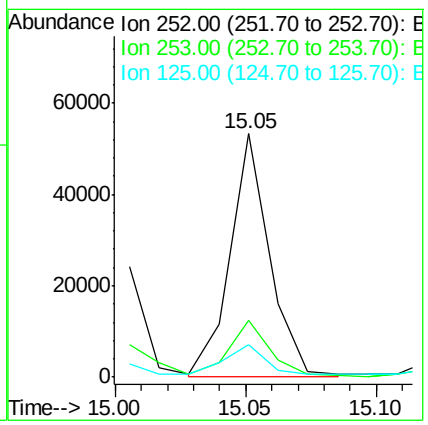
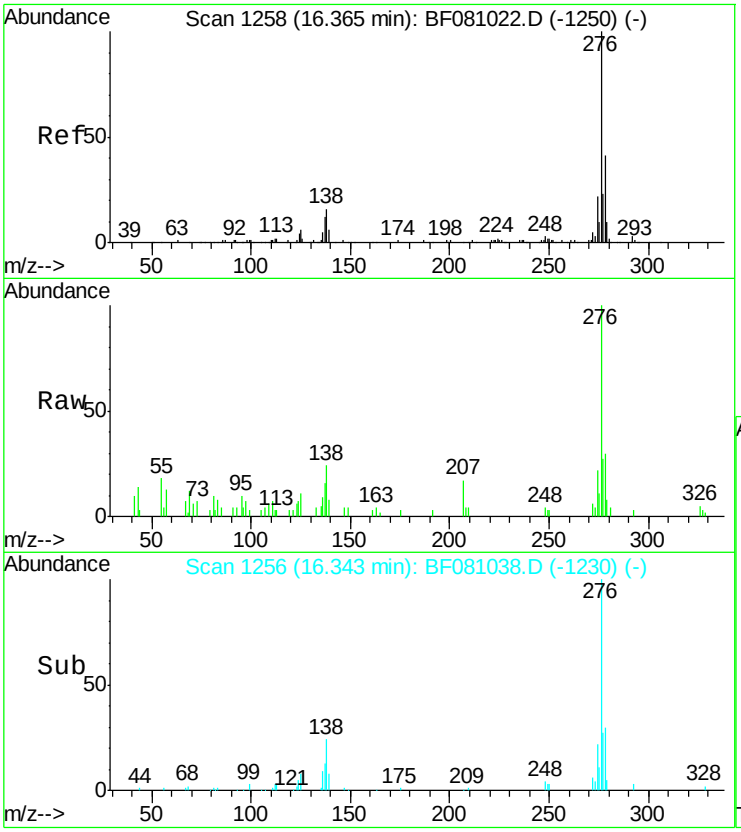


#89
Benzo(a)pyrene
Concen: 11.57 ng
RT: 15.05 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:252 Resp: 56869

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.6	25.0
125	13.3	7.8	11.8#

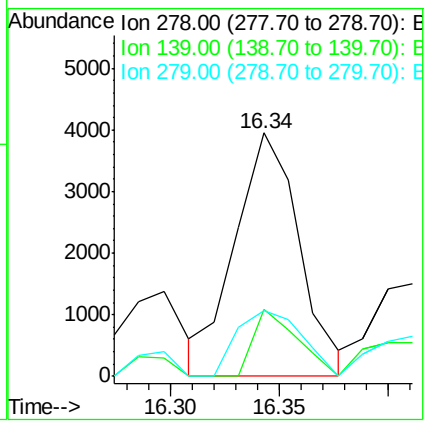




#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 16.34 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:278 Resp: 8166

Ion	Ratio	Lower	Upper
278	100		
139	27.3	10.8	16.2#
279	27.2	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
TEC-COMP16DL

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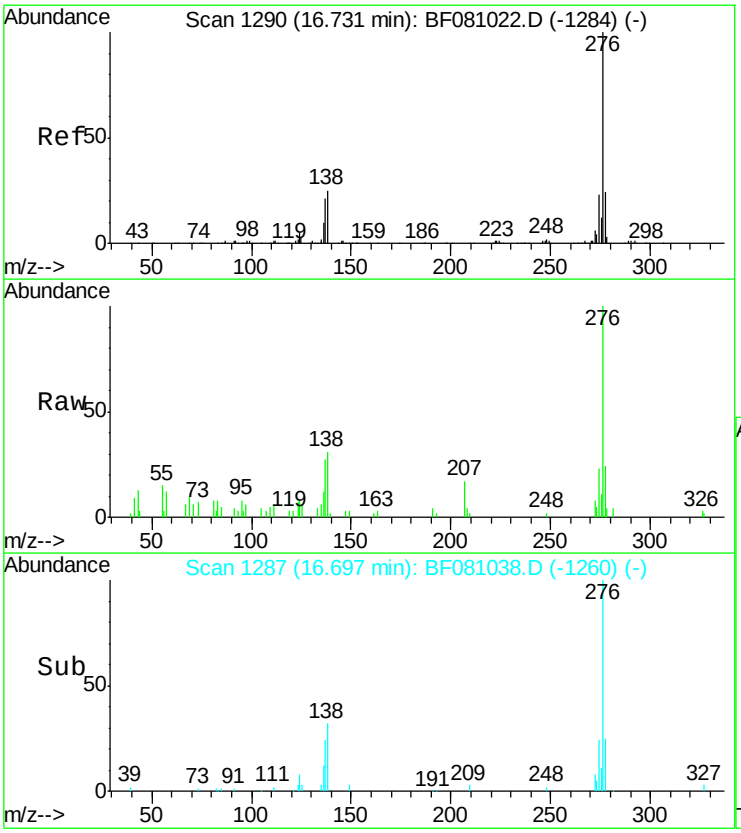

#91
Benzo(g,h,i)perylene
Concen: 7.04 ng
RT: 16.70 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BF081038.D
Acq: 18 Aug 2015 9:31

Tgt Ion:276 Resp: 27351

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.2	27.2
138	30.8	13.7	20.5#