Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
Data File : BF082310.D
Acq On : 15 Oct 2015 15:39
Operator : UM/IZ
Sample : G4009-01 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
MMdadoda
10/16/2015 4:15:50 PM

Quant Time: Oct 16 04:49:08 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 01:04:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75997	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	317694	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	161025	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	276463	20.00	ng	0.00
75) Chrysene-d12	14.07	240	202383	20.00	ng	-0.02
86) Perylene-d12	15.61	264	200207	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	77672	20.63	ng	0.00
7) Phenol-d6	6.47	99	107021	21.84	ng	0.00
23) Nitrobenzene-d5	7.39	82	61412	12.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	21788	14.43	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	147988	15.24	ng	-0.01
78) Terphenyl-d14	12.96	244	121235	15.87	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	34785	3.07	ng	99
51) Acenaphthene	9.91	154	19330	2.14	ng	98
70) Phenanthrene	11.39	178	446736	32.97	ng	98
71) Anthracene	11.44	178	92419	6.62	ng	99
72) Carbazole	11.60	167	45982	3.61	ng	99
74) Fluoranthene	12.58	202	583381	40.08	ng	98
77) Pyrene	12.81	202	514597	42.85	ng	99
80) Benzo(a)anthracene	14.06	228	261411m	24.83	ng	
82) Chrysene	14.09	228	263938m	23.79	ng	
85) Indeno(1,2,3-cd)pyrene	17.05	276	144435	16.38	ng	95
87) Benzo(b)fluoranthene	15.19	252	319997m	26.27	ng	
88) Benzo(k)fluoranthene	15.21	252	124336m	12.14	ng	
89) Benzo(a)pyrene	15.56	252	225811	21.57	ng	99
90) Dibenzo(a,h)anthracene	17.06	278	33580m	3.91	ng	
91) Benzo(g,h,i)perylene	17.49	276	126907	15.23	ng	99

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

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KW-1

Manual Integrations APPROVED
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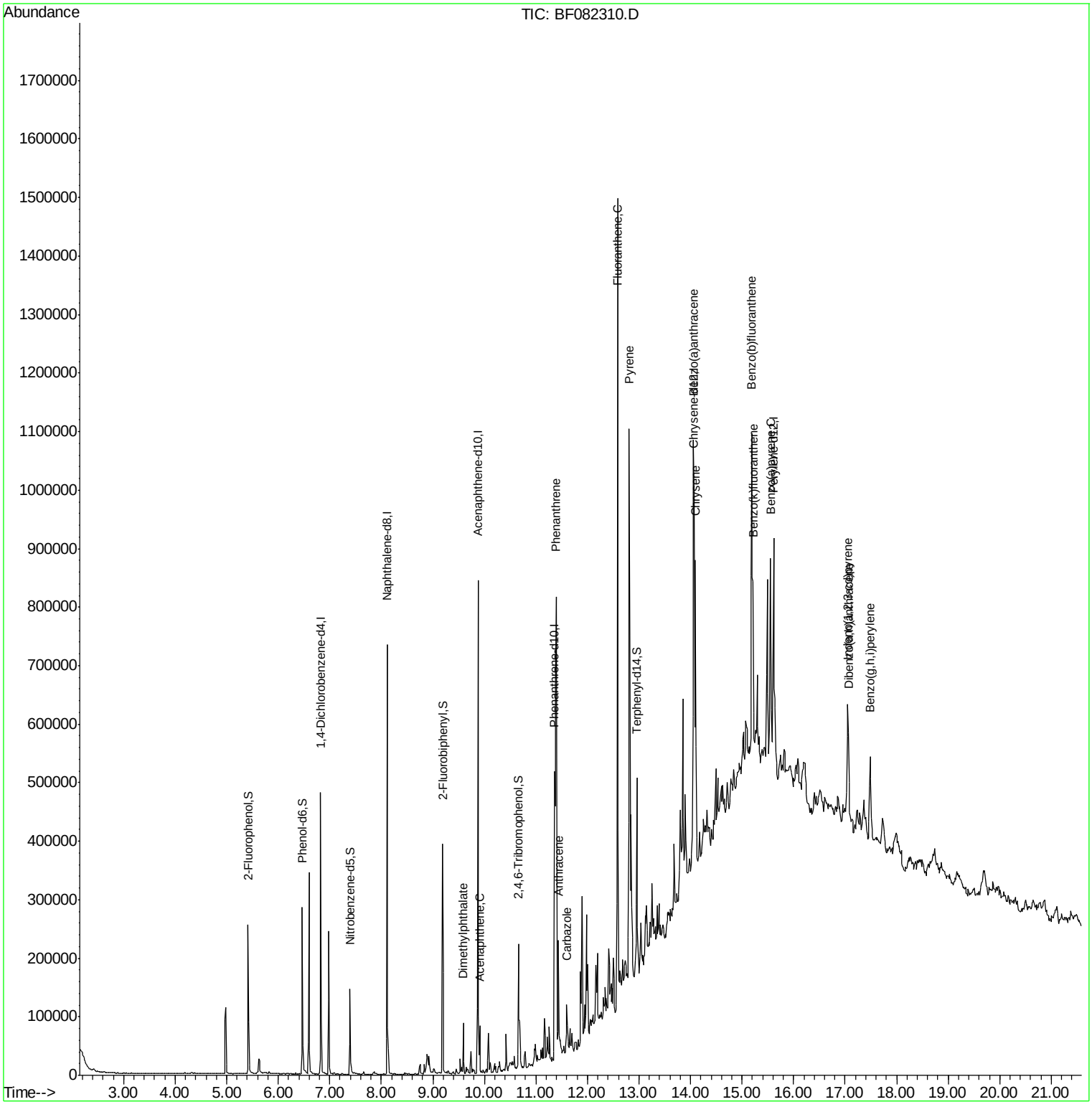
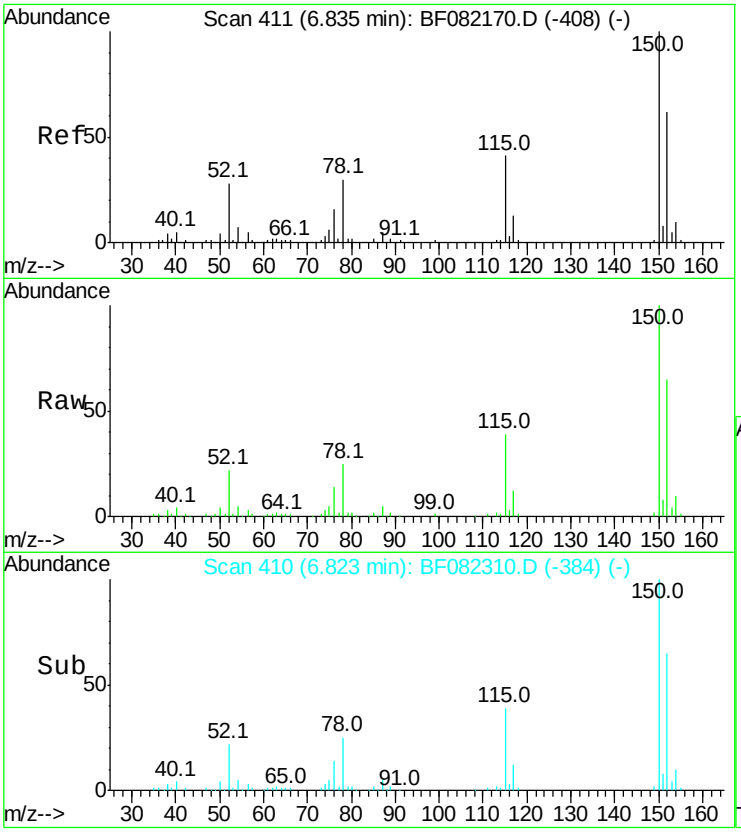
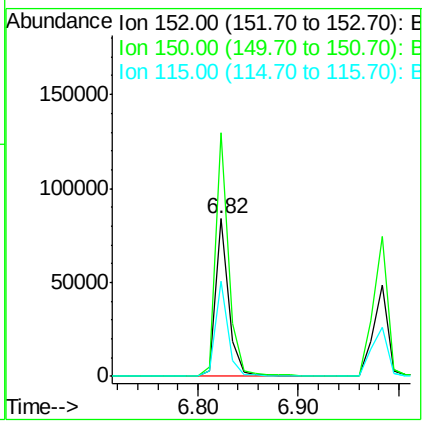




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:152 Resp: 75997

Ion	Ratio	Lower	Upper
152	100		
150	154.8	129.0	193.4
115	60.8	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
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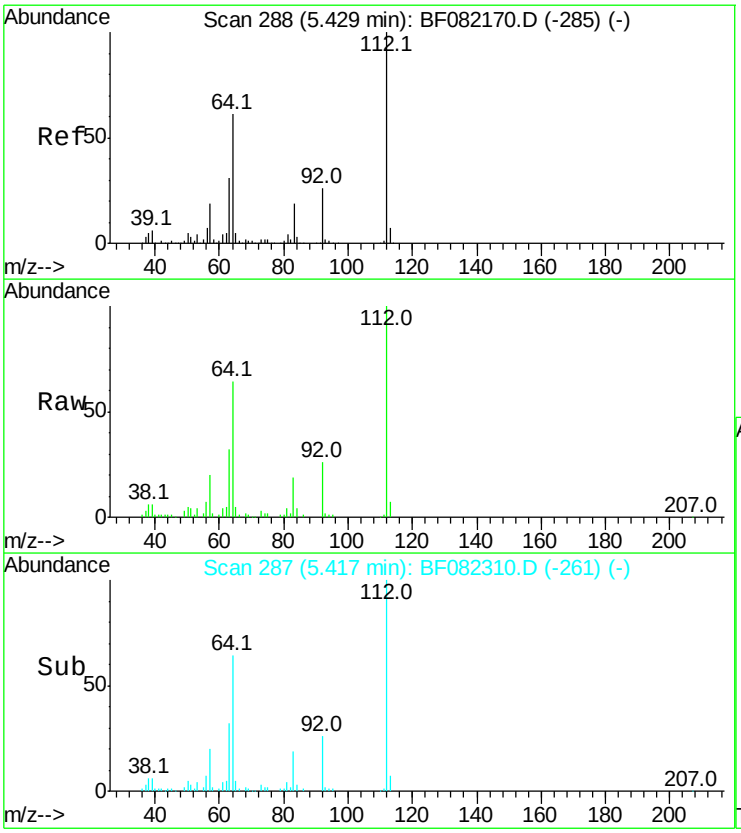
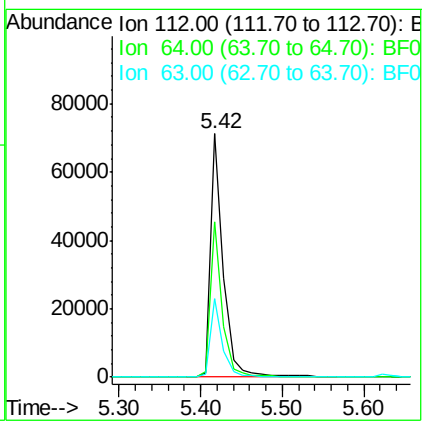
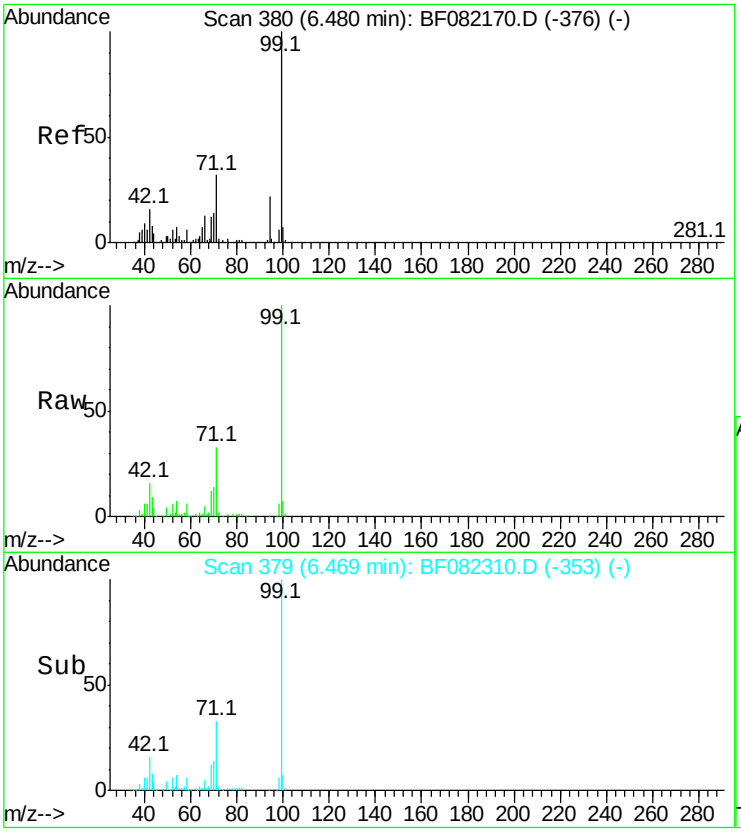


#5
2-Fluorophenol
Concen: 20.63 ng
RT: 5.42 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:112 Resp: 77672

Ion	Ratio	Lower	Upper
112	100		
64	63.8	48.6	73.0
63	32.3	25.1	37.7

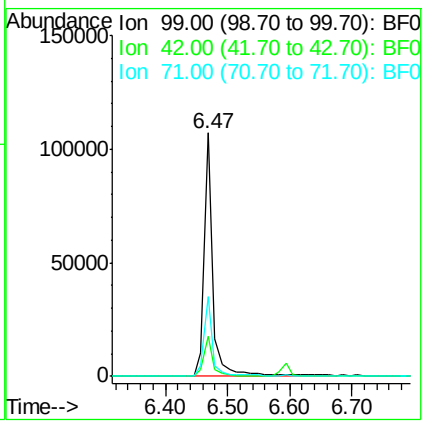




#7
Phenol-d6
Concen: 21.84 ng
RT: 6.47 min Scan# 379
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion: 99 Resp: 107021

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.2	19.8
71	33.0	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
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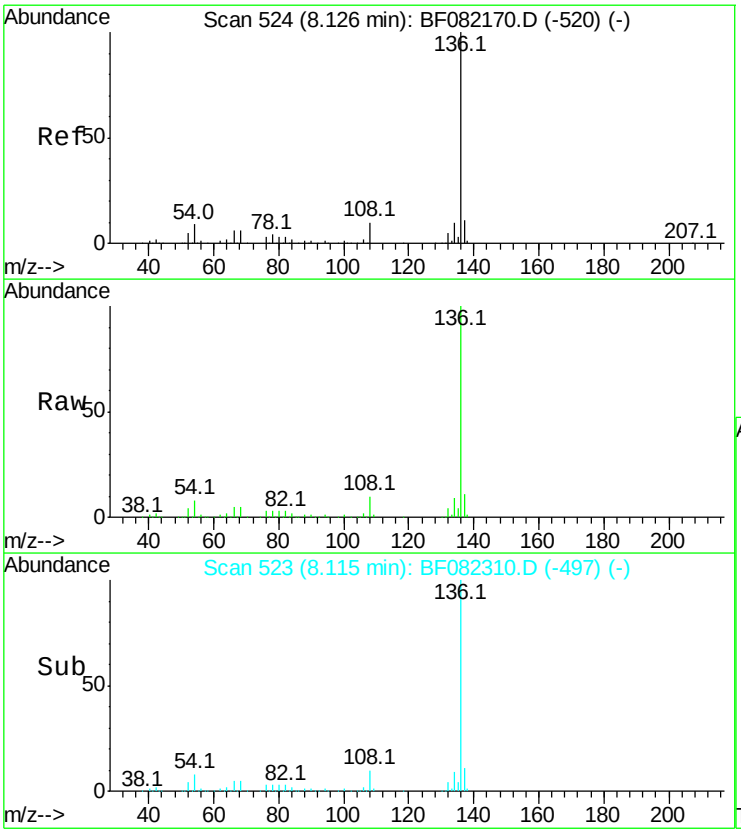
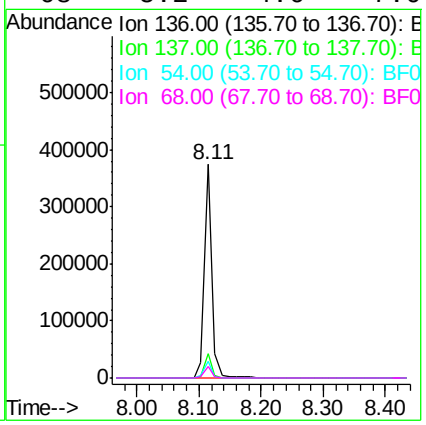
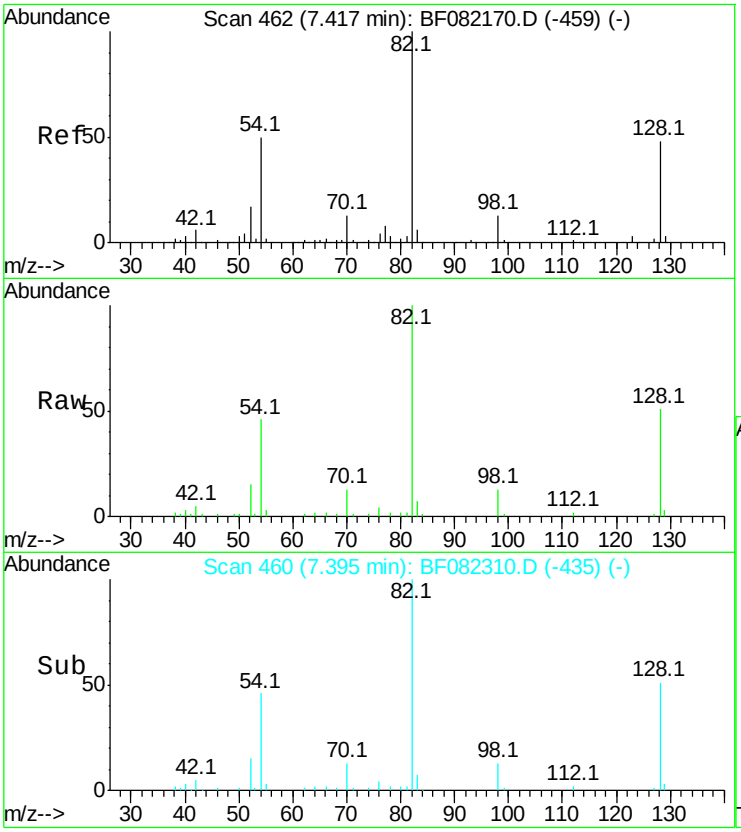


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:136 Resp: 317694

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	7.7	7.5	11.3
68	5.2	4.6	7.0

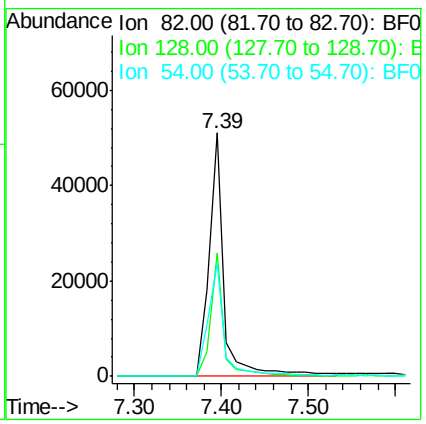




#23
Nitrobenzene-d5
Concen: 12.98 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion: 82 Resp: 61412

Ion	Ratio	Lower	Upper
82	100		
128	50.7	38.7	58.1
54	46.5	40.1	60.1



Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
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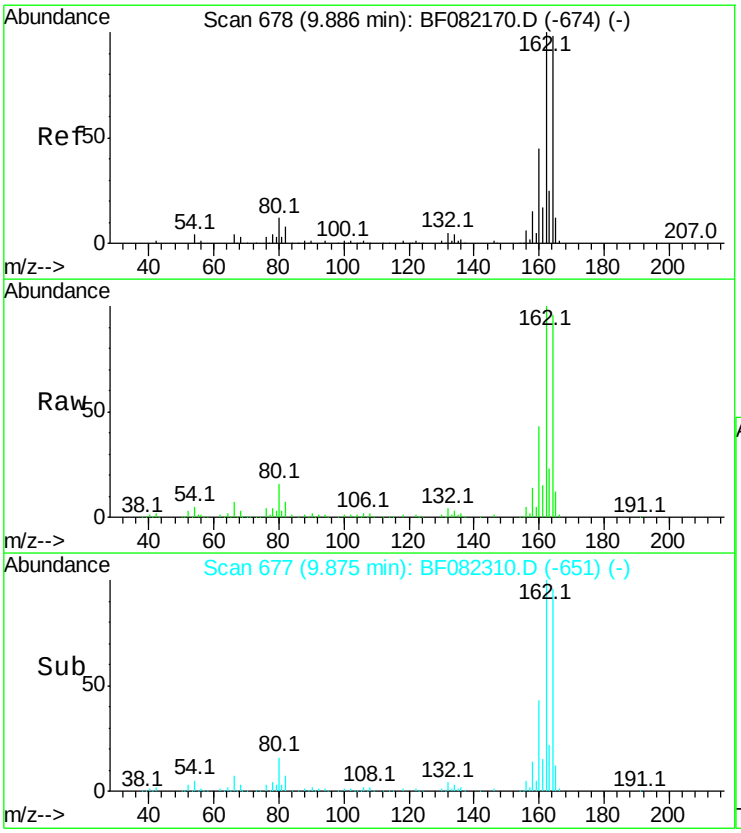
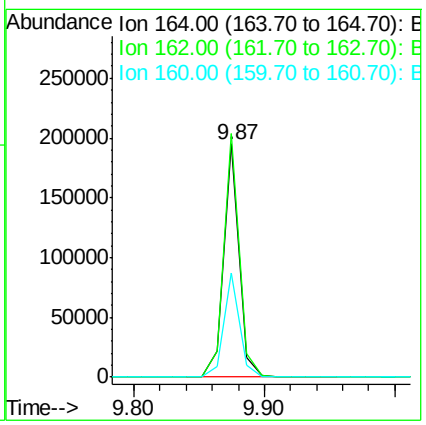
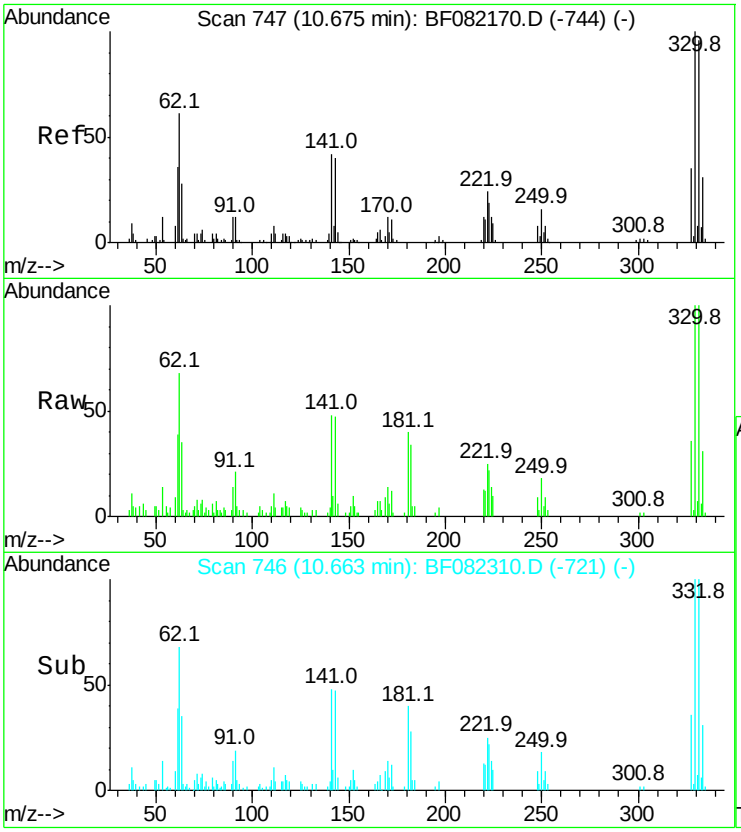


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:164 Resp: 161025

Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.6	122.4
160	44.6	36.4	54.6

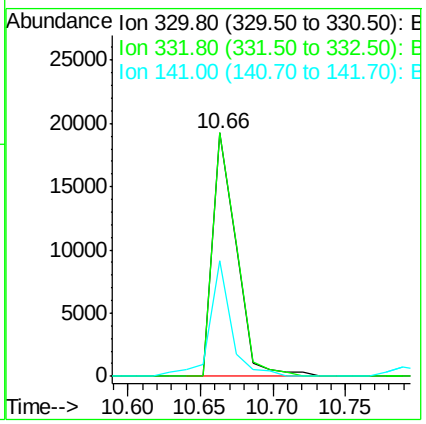




#41
2,4,6-Tribromophenol
Concen: 14.43 ng
RT: 10.66 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:330 Resp: 21788

Ion	Ratio	Lower	Upper
330	100		
332	100.2	77.1	115.7
141	43.0	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
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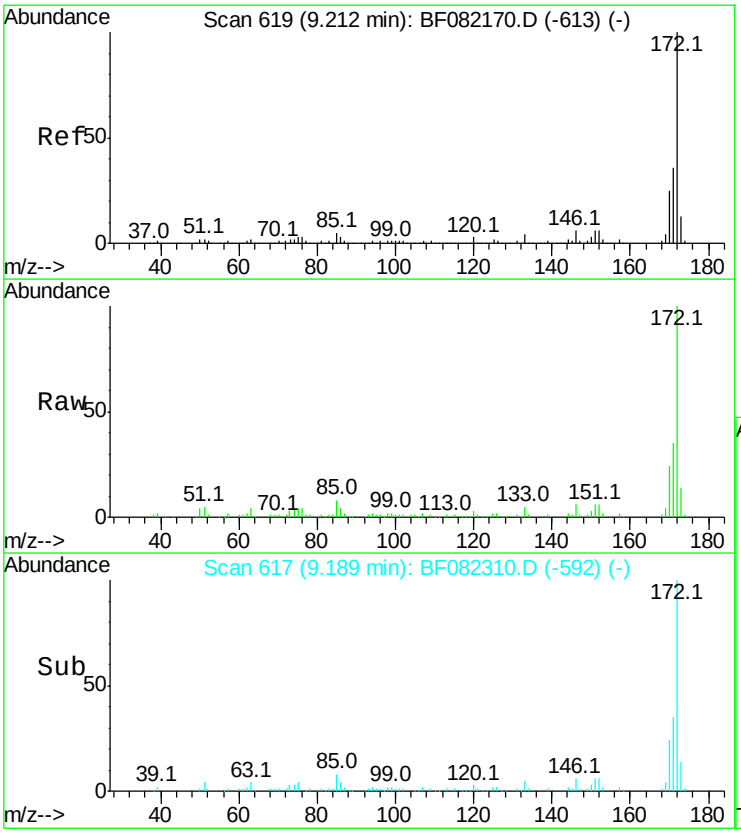
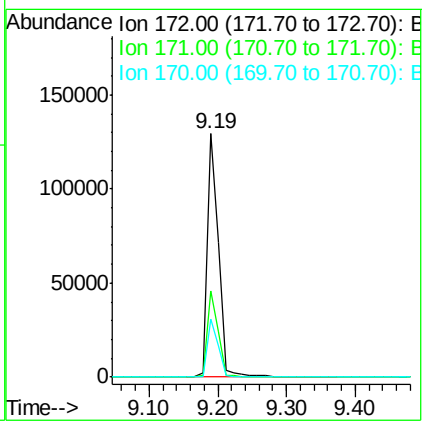
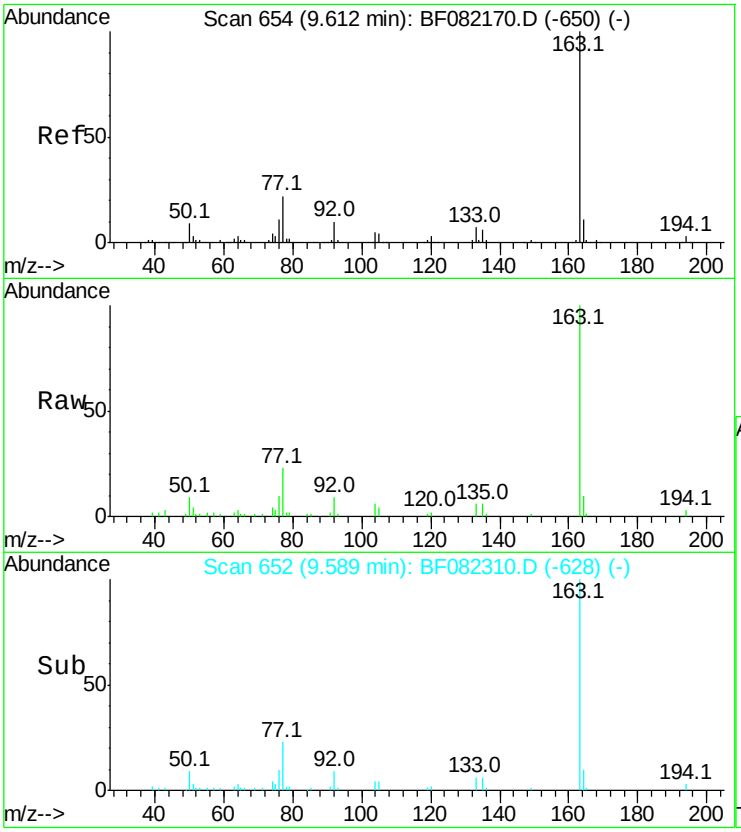


#44
2-Fluorobiphenyl
Concen: 15.24 ng
RT: 9.19 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:172 Resp: 147988

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.6	19.7	29.5

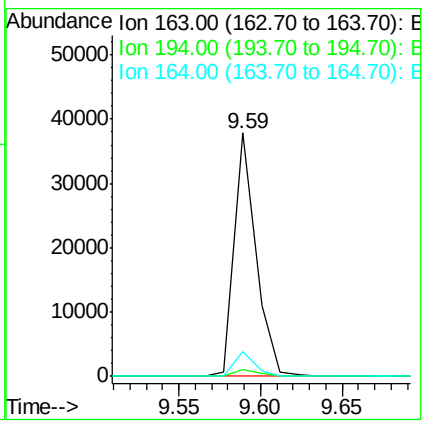




#49
Dimethylphthalate
Concen: 3.07 ng
RT: 9.59 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:163 Resp: 34785

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.3	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
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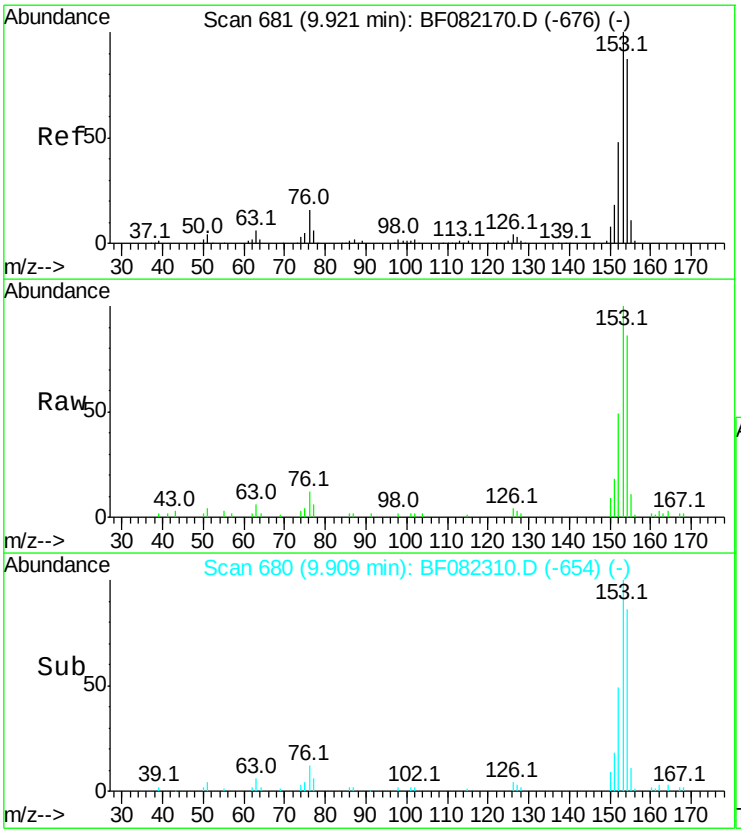
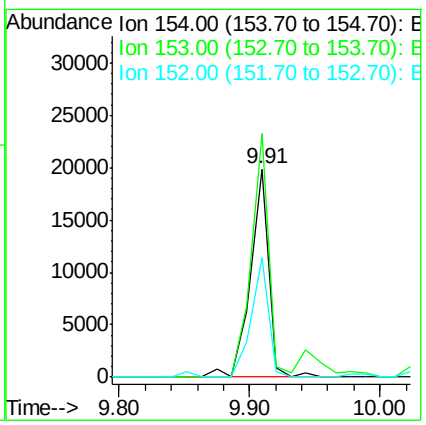
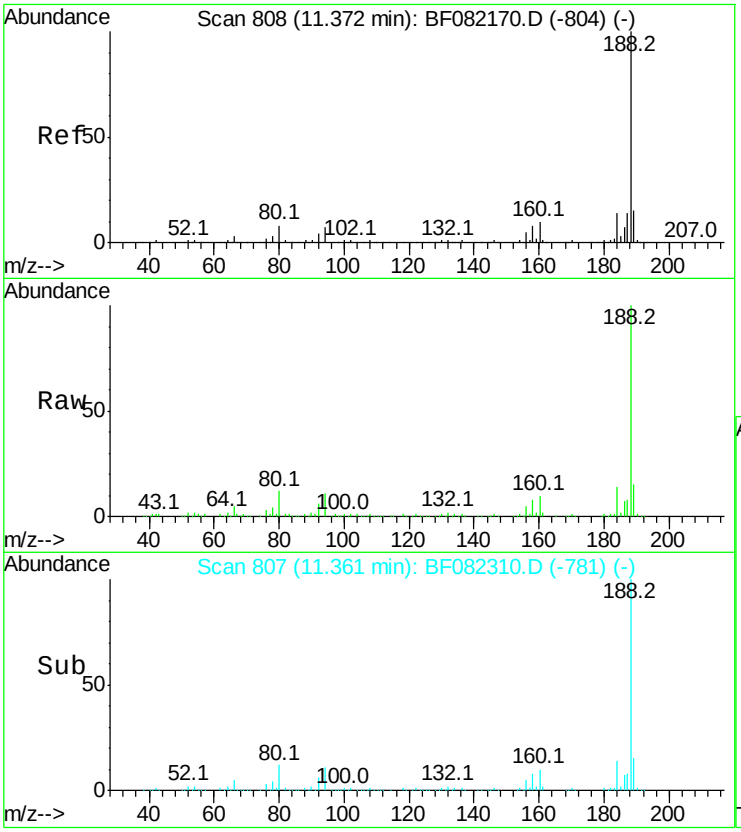


#51
Acenaphthene
Concen: 2.14 ng
RT: 9.91 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:154 Resp: 19330

Ion	Ratio	Lower	Upper
154	100		
153	116.8	91.4	137.2
152	57.2	44.3	66.5

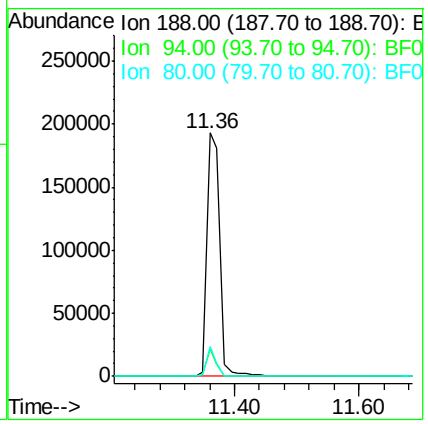




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:188 Resp: 276463

Ion	Ratio	Lower	Upper
188	100		
94	11.1	5.8	8.6#
80	12.4	6.4	9.6#



Instrument :
BNA_F
ClientSampleId :
KW-1

Manual Integrations APPROVED
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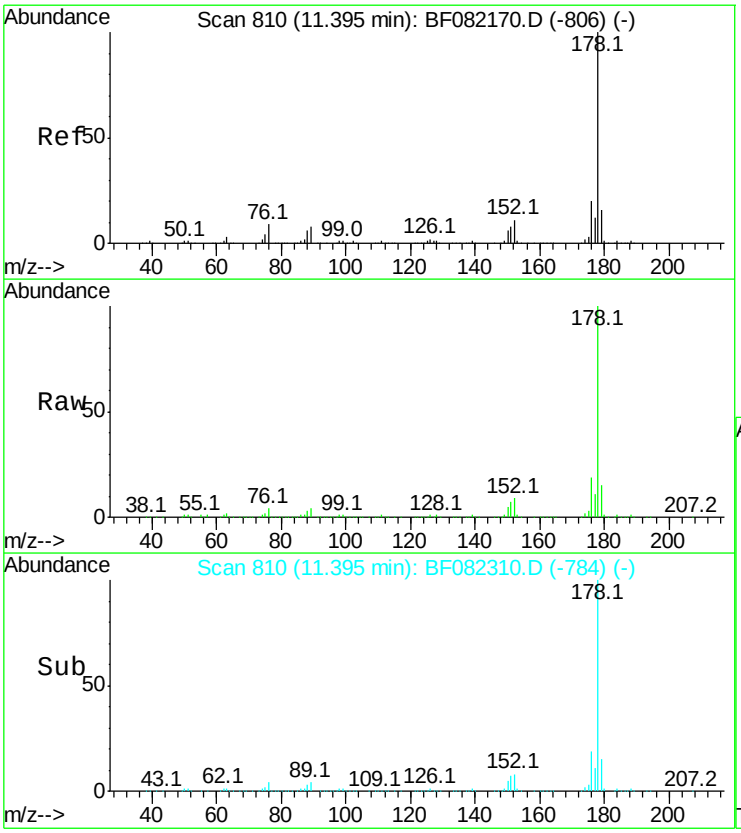
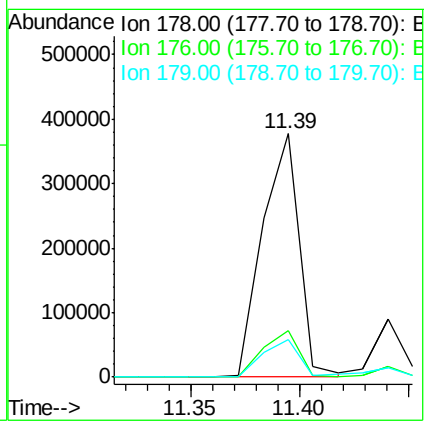
10/16/2015 4:15:50 PM

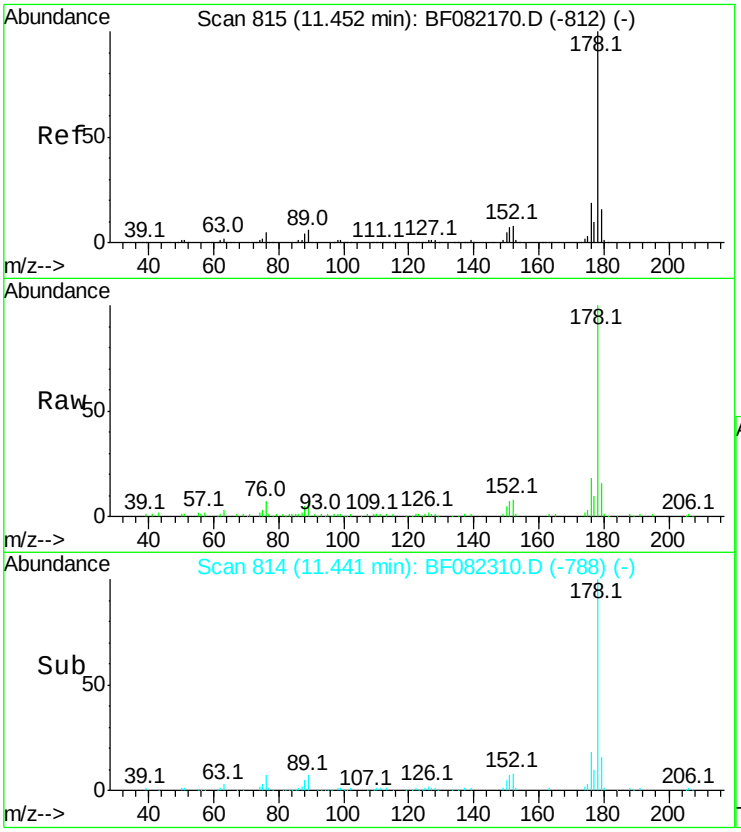


#70
Phenanthrene
Concen: 32.97 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:178 Resp: 446736

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.2	12.6	19.0

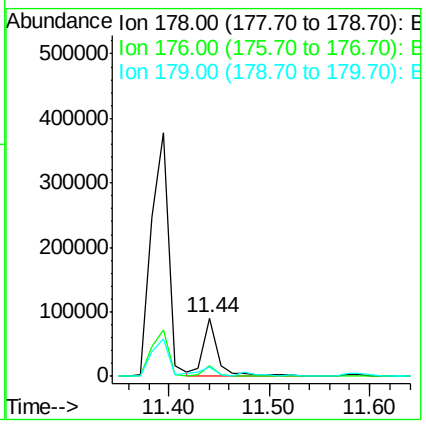




#71
Anthracene
Concen: 6.62 ng
RT: 11.44 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:178 Resp: 92419

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	16.1	12.5	18.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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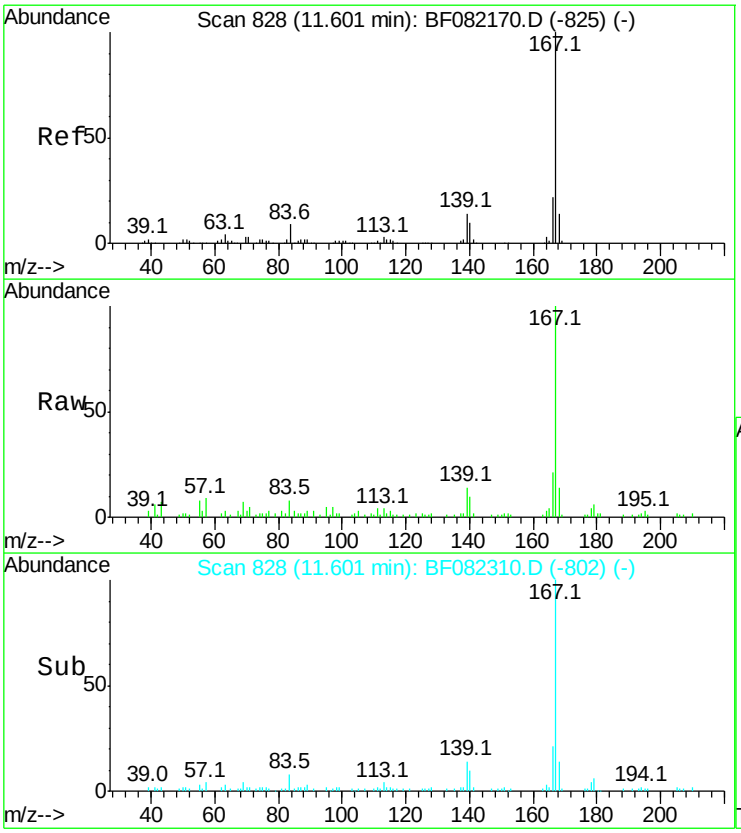
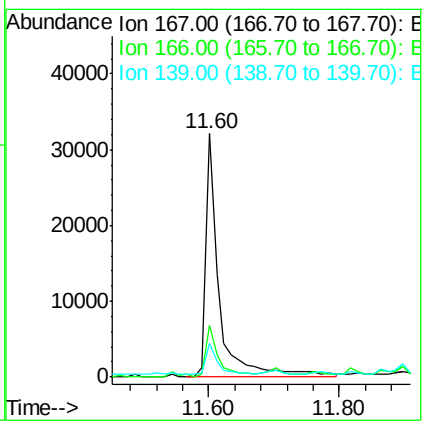
10/16/2015 4:15:50 PM

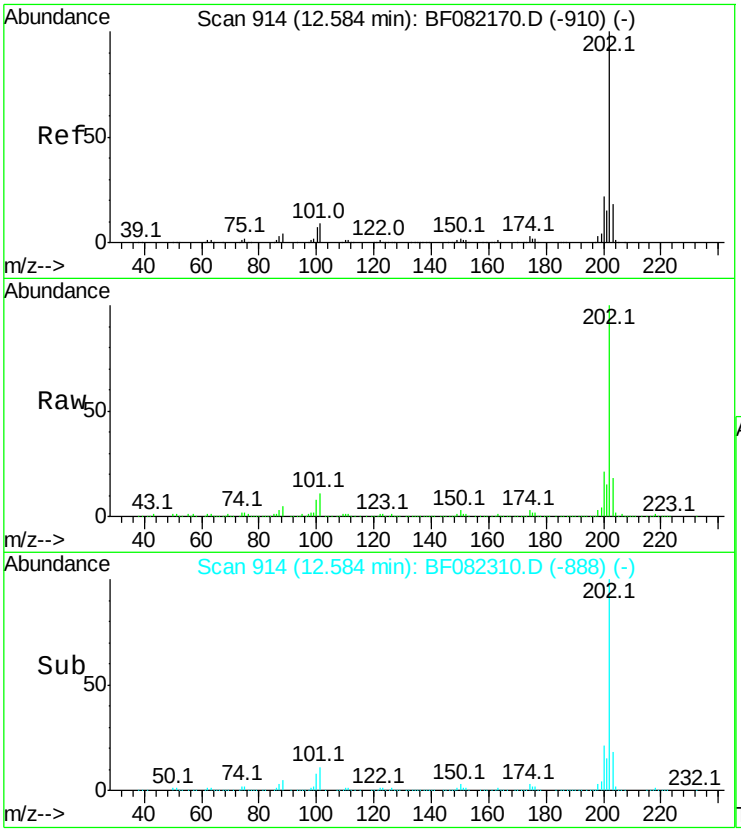


#72
Carbazole
Concen: 3.61 ng
RT: 11.60 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:167 Resp: 45982

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	14.1	11.2	16.8

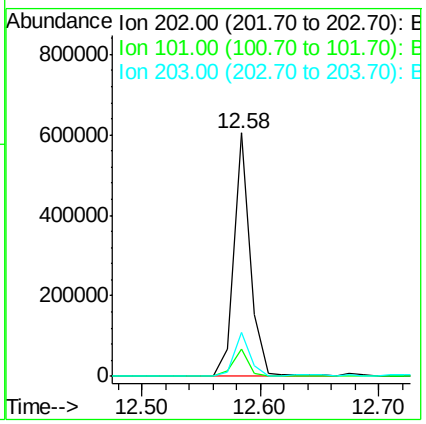




#74
Fluoranthene
Concen: 40.08 ng
RT: 12.58 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

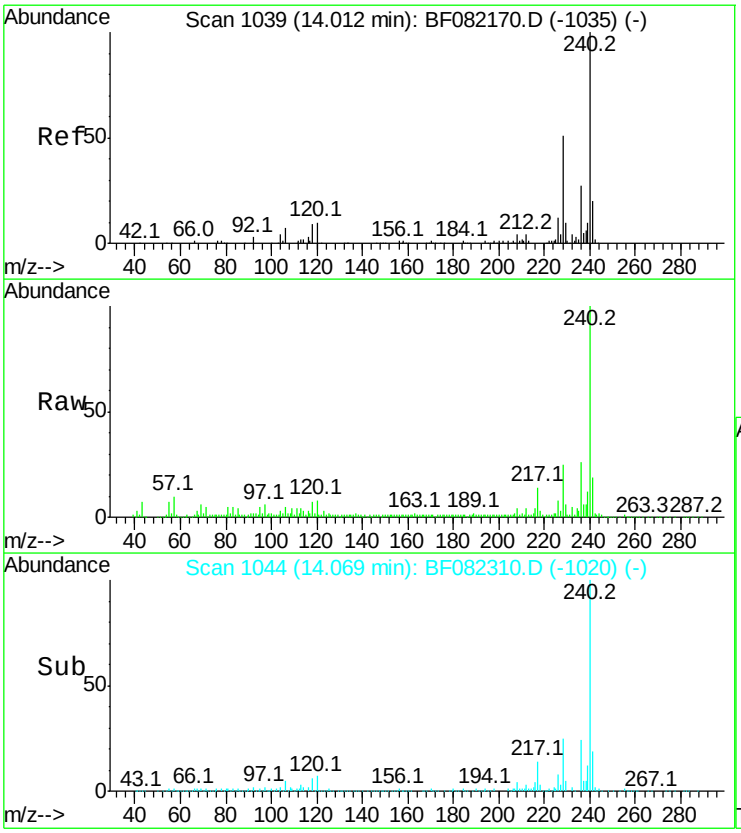
Tgt Ion:202 Resp: 583381

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	29.3
203	18.2	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
KW-1

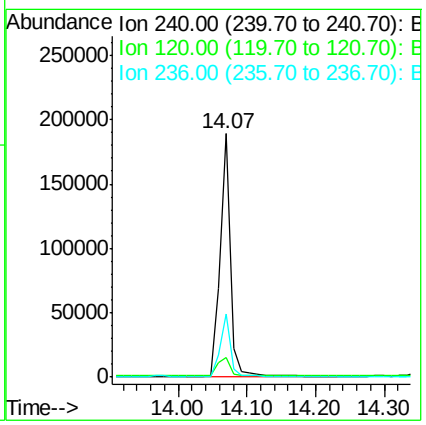
Manual Integrations APPROVED
MMdadoda
10/16/2015 4:15:50 PM

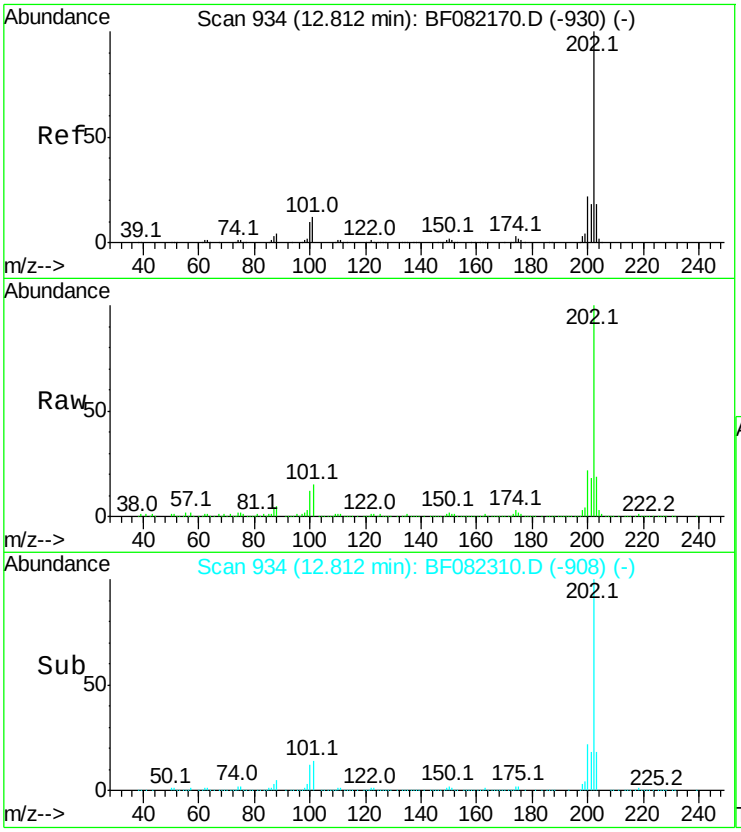


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:240 Resp: 202383

Ion	Ratio	Lower	Upper
240	100		
120	7.8	8.1	12.1#
236	25.7	21.3	31.9

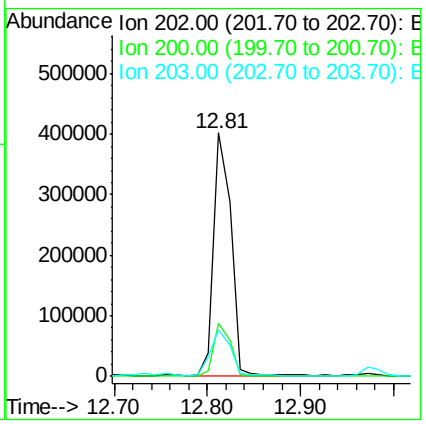




#77
Pyrene
Concen: 42.85 ng
RT: 12.81 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:202 Resp: 514597

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.9	26.9
203	18.8	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
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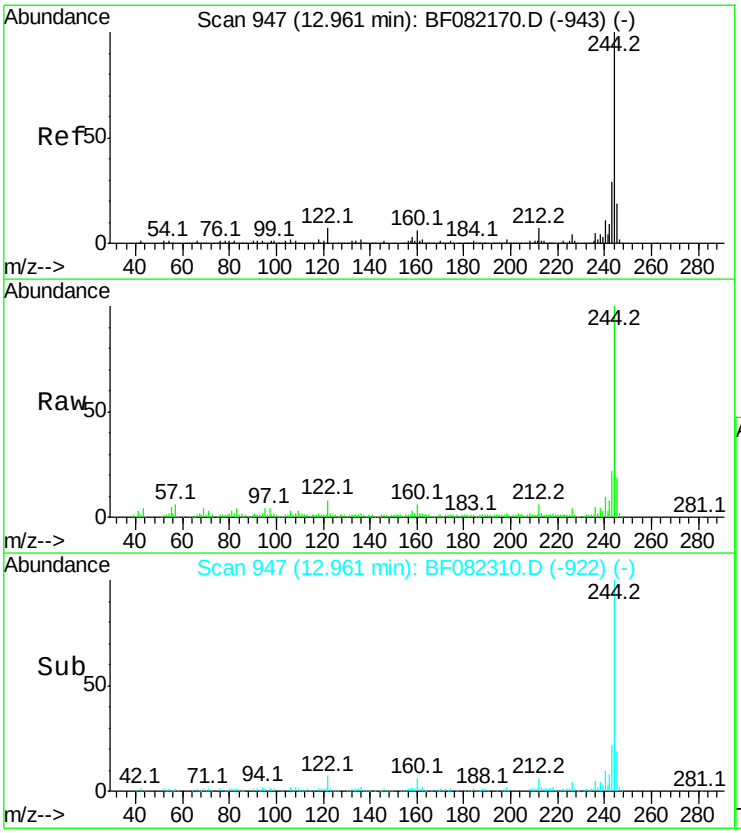
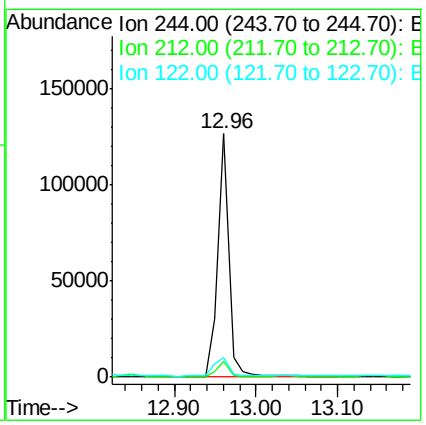
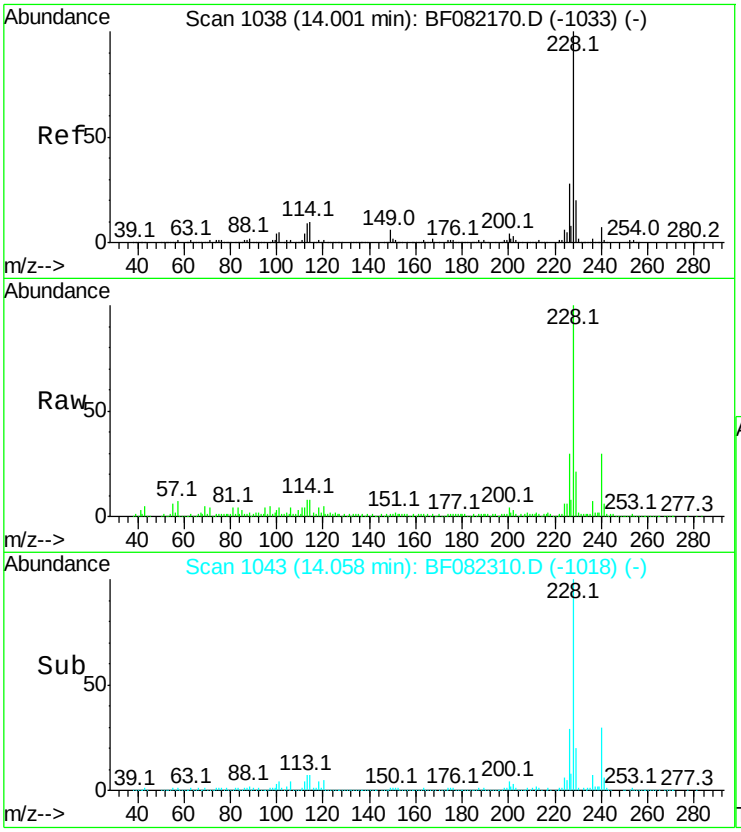


#78
Terphenyl-d14
Concen: 15.87 ng
RT: 12.96 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:244 Resp: 121235

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	7.8	5.9	8.9

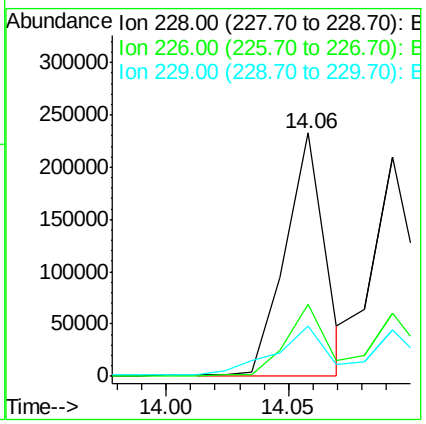




#80
Benzo(a)anthracene
Concen: 24.83 ng m
RT: 14.06 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:228 Resp: 261411

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	20.9	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
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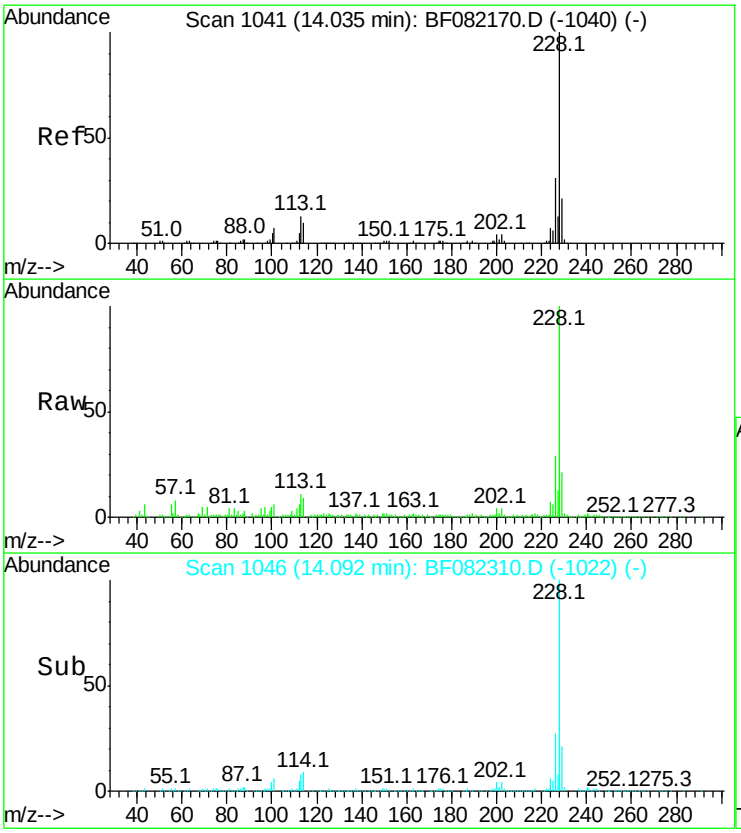
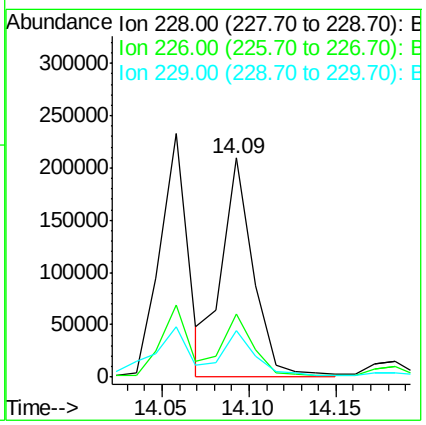
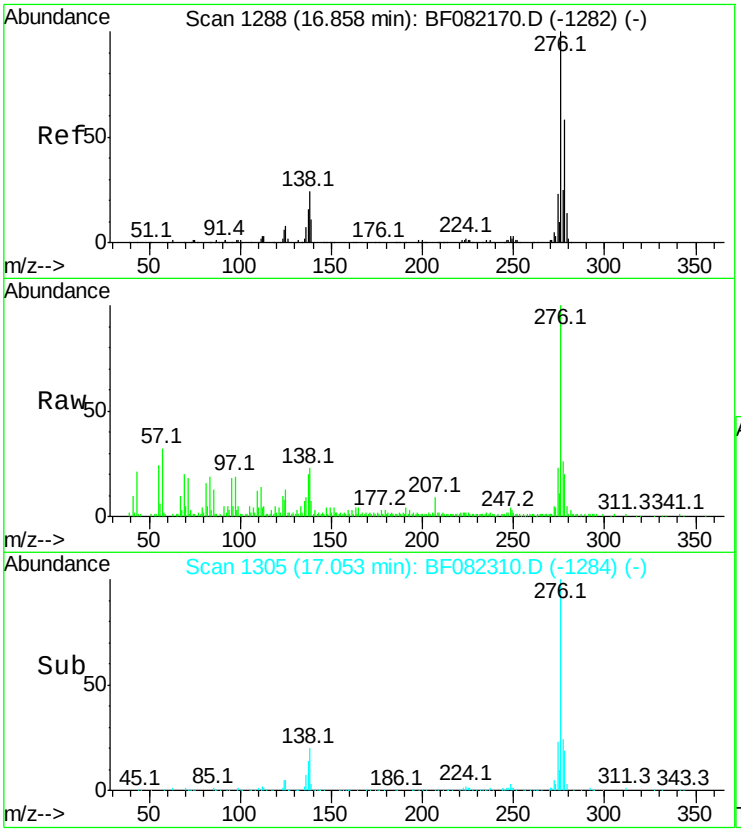


#82
Chrysene
Concen: 23.79 ng m
RT: 14.09 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:228 Resp: 263938

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.4	36.6
229	21.2	16.3	24.5

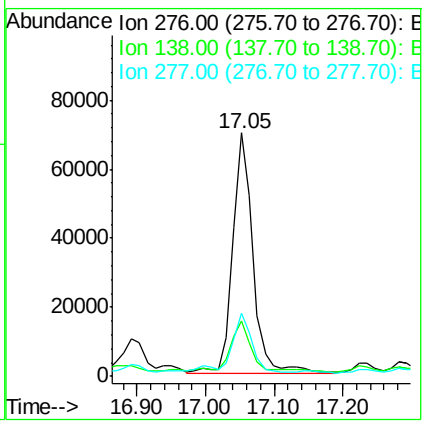




#85
Indeno(1,2,3-cd)pyrene
Concen: 16.38 ng
RT: 17.05 min Scan# 1305
Delta R.T. -0.06 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:276 Resp: 144435

Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.7	29.5
277	26.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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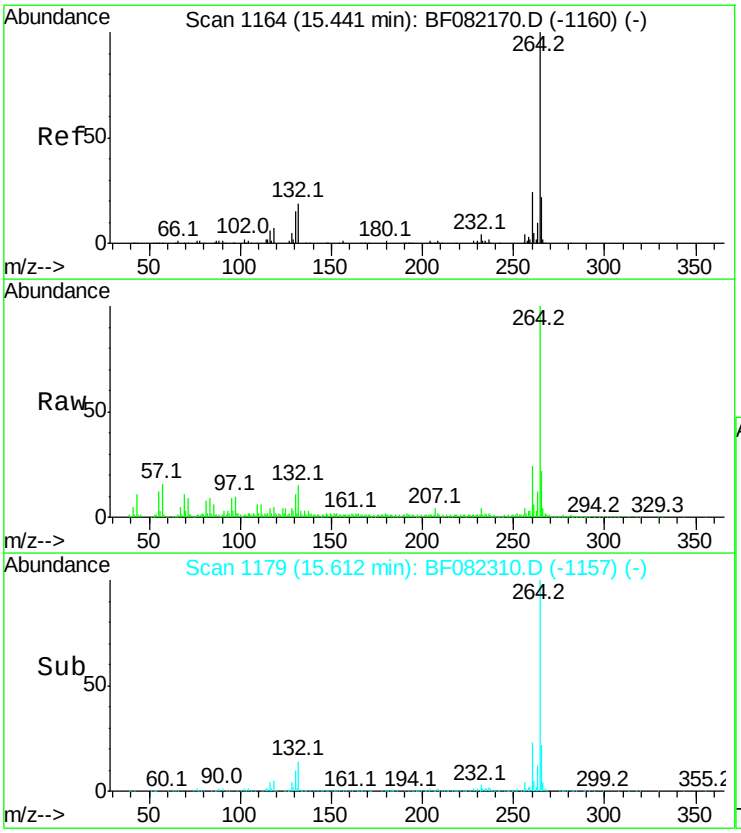
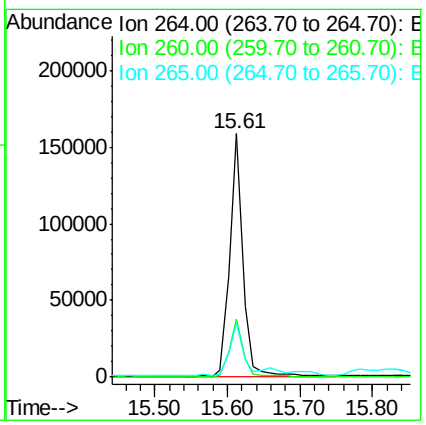
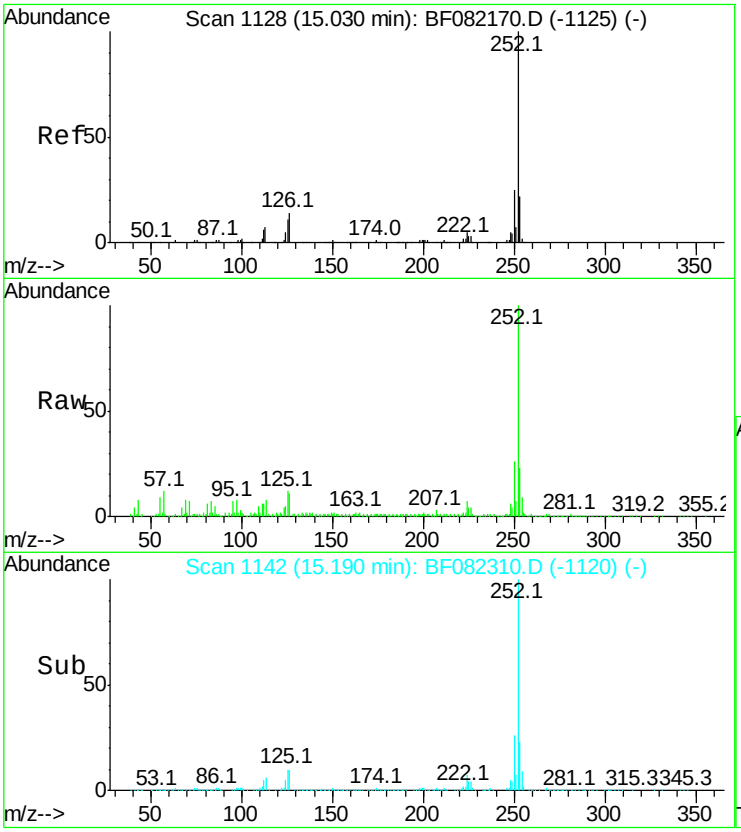


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:264 Resp: 200207

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.5	17.3	25.9

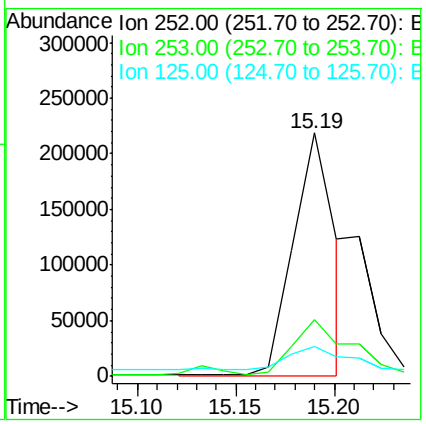




#87
Benzo(b)fluoranthene
Concen: 26.27 ng m
RT: 15.19 min Scan# 1142
Delta R.T. -0.05 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:252 Resp: 319997

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.3	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
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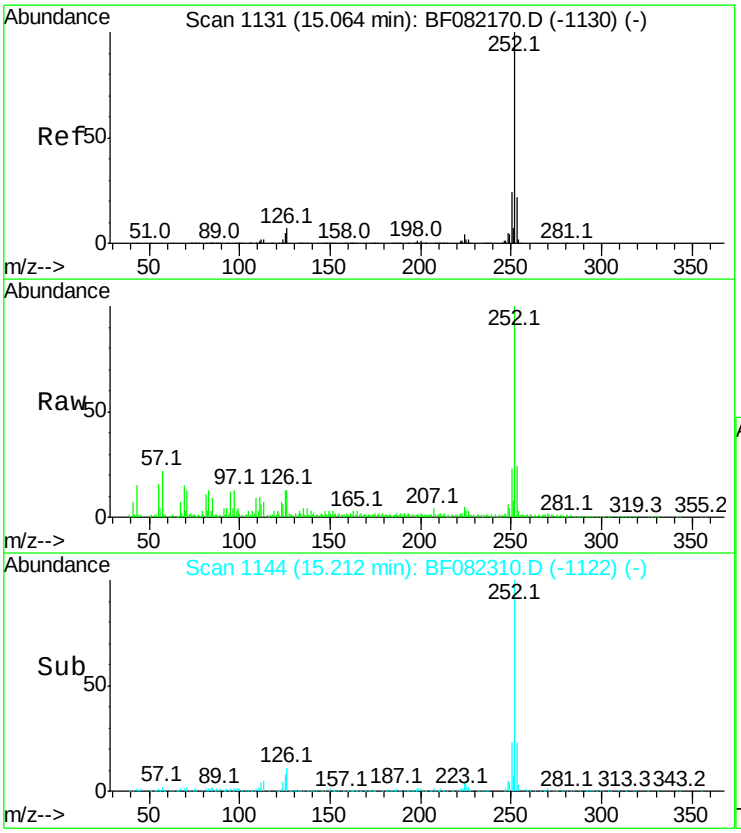
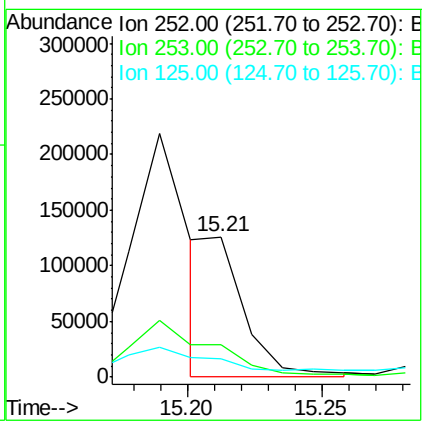
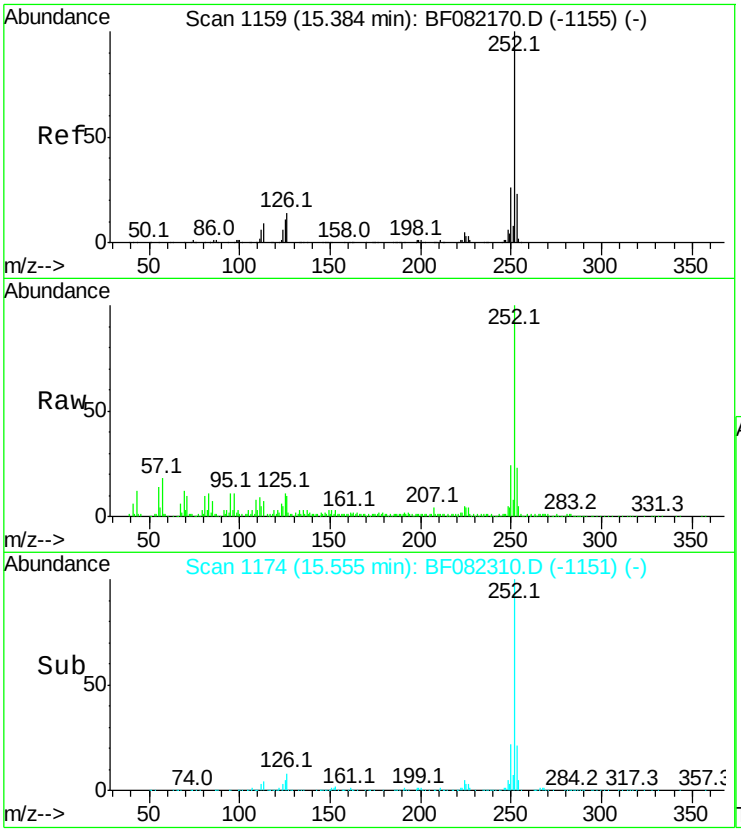


#88
Benzo(k)fluoranthene
Concen: 12.14 ng m
RT: 15.21 min Scan# 1144
Delta R.T. -0.05 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:252 Resp: 124336

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	13.0	6.7	10.1#





#89
Benzo(a)pyrene
Concen: 21.57 ng
RT: 15.56 min Scan# 1174
Delta R.T. -0.03 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:252 Resp: 225811

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.2	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
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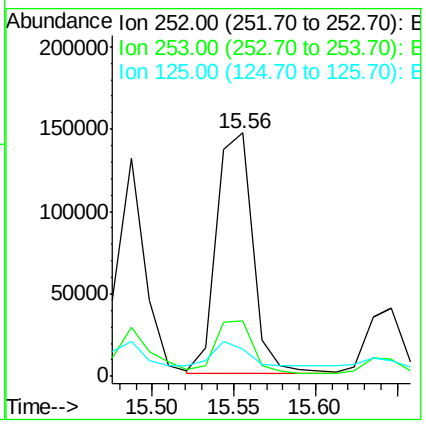
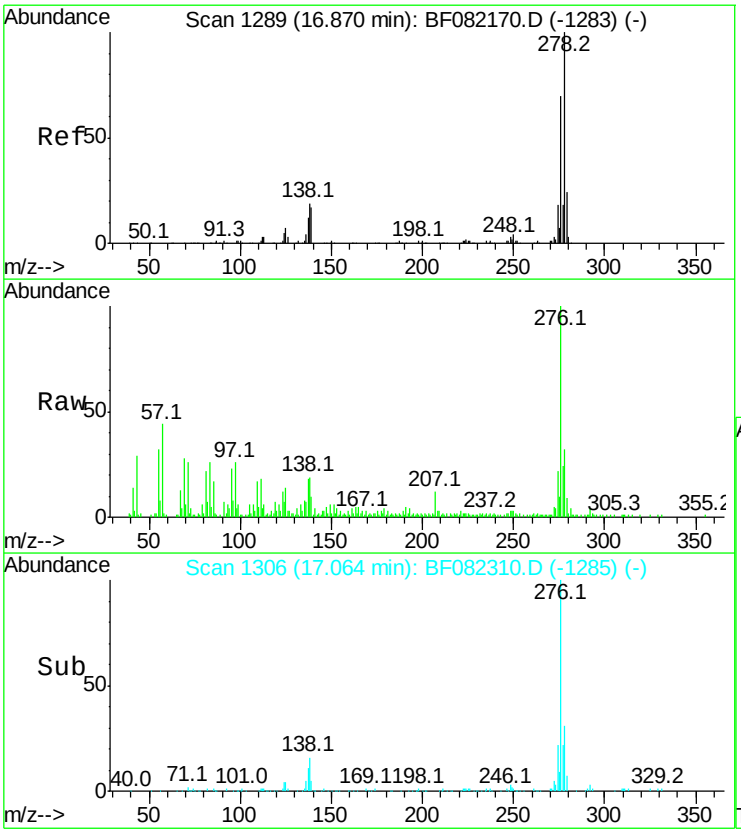
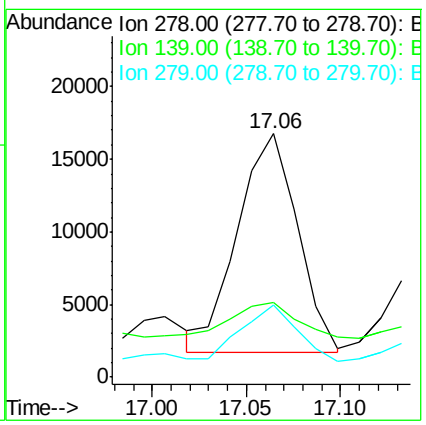


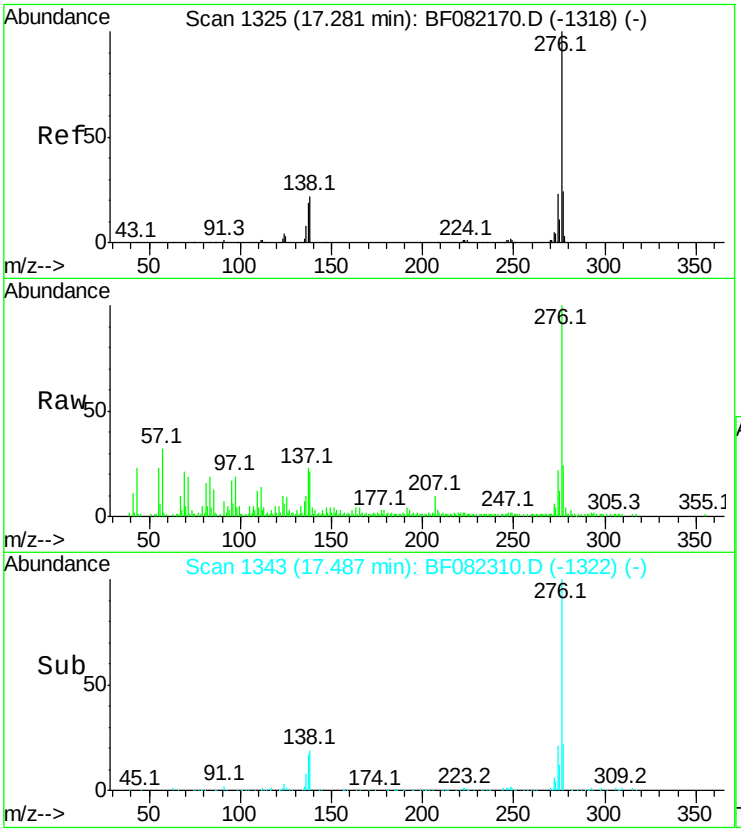


#90
Dibenzo(a,h)anthracene
Concen: 3.91 ng m
RT: 17.06 min Scan# 1306
Delta R.T. -0.06 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:278 Resp: 33580

Ion	Ratio	Lower	Upper
278	100		
139	30.5	13.3	19.9#
279	29.5	18.9	28.3#

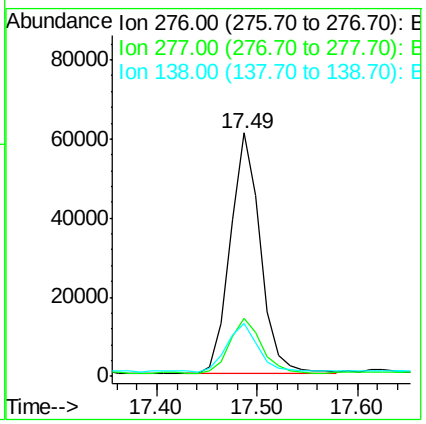




#91
Benzo(g,h,i)perylene
Concen: 15.23 ng
RT: 17.49 min Scan# 1343
Delta R.T. -0.06 min
Lab File: BF082310.D
Acq: 15 Oct 2015 15:39

Tgt Ion:276 Resp: 126907

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	21.5	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
KW-1

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