Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082341.D
Acq On : 16 Oct 2015 22:36
Operator : UM/IZ
Sample : G4015-13 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LW-1

Manual Integrations APPROVED
MMdadoda
10/19/2015 5:32:34 PM

Quant Time: Oct 19 03:46:50 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 17 01:08:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	50587	20.00	ng	0.10
21) Naphthalene-d8	8.22	136	221595	20.00	ng	0.09
38) Acenaphthene-d10	9.98	164	120371	20.00	ng	0.09
63) Phenanthrene-d10	11.46	188	263883	20.00	ng	0.09
75) Chrysene-d12	14.14	240	249776	20.00	ng	0.07
86) Perylene-d12	15.69	264	216610	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	20371	8.13	ng	0.13
7) Phenol-d6	6.58	99	27923	8.56	ng	0.10
23) Nitrobenzene-d5	7.51	82	17099	5.18	ng	0.09
41) 2,4,6-Tribromophenol	10.77	330	10411	9.22	ng	0.08
44) 2-Fluorobiphenyl	9.29	172	51796	7.14	ng	0.08
78) Terphenyl-d14	13.04	244	68663	7.28	ng	0.08
Target Compounds						Qvalue
70) Phenanthrene	11.49	178	43965	3.40	ng	97
74) Fluoranthene	12.67	202	72672	5.23	ng	95
77) Pyrene	12.90	202	56324	3.80	ng	97
80) Benzo(a)anthracene	14.13	228	38490	2.96	ng	98
82) Chrysene	14.16	228	28728	2.10	ng	95
85) Indeno(1,2,3-cd)pyrene	17.18	276	22911	2.11	ng	97
87) Benzo(b)fluoranthene	15.26	252	45665m	3.47	ng	
89) Benzo(a)pyrene	15.62	252	28864	2.55	ng	94
91) Benzo(g,h,i)perylene	17.64	276	20304	2.25	ng	97

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

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ClientSampleId :
LW-1

Manual Integrations APPROVED
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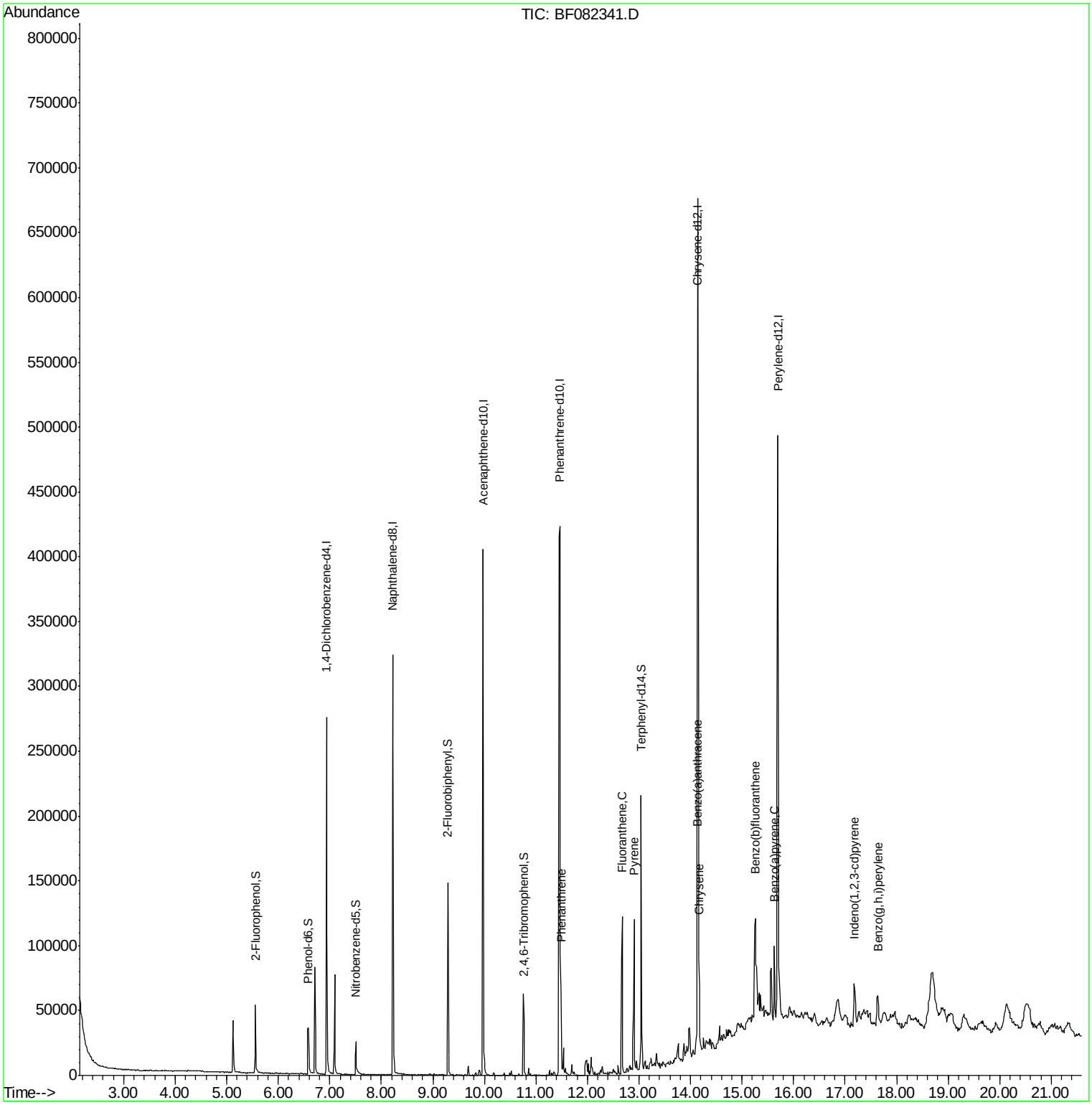
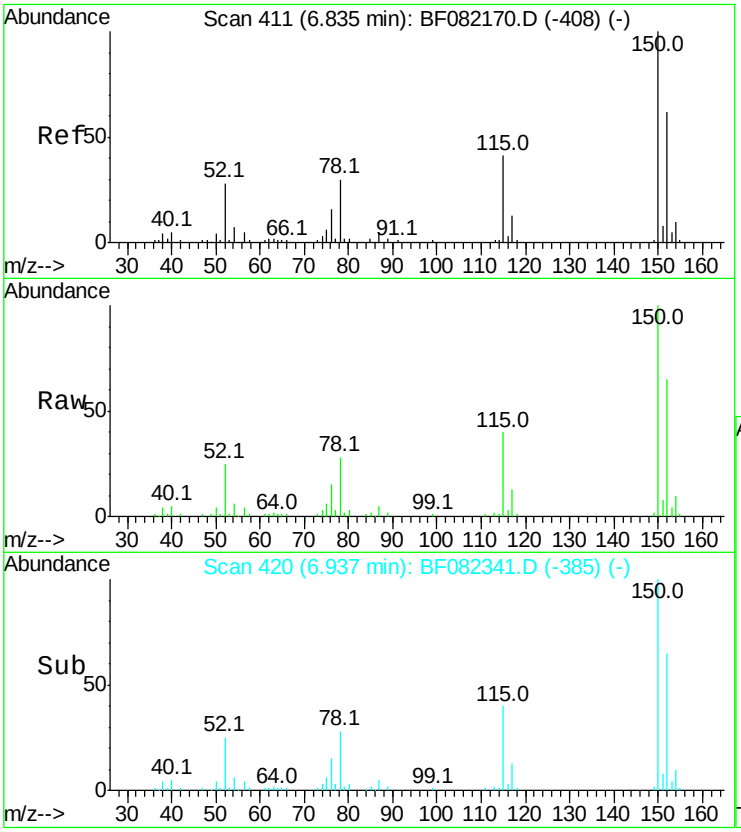
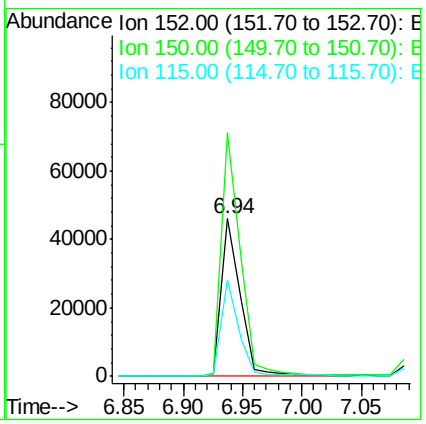




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 420
Delta R.T. 0.10 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:152 Resp: 50587

Ion	Ratio	Lower	Upper
152	100		
150	154.7	129.0	193.4
115	61.2	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
LW-1

Manual Integrations APPROVED
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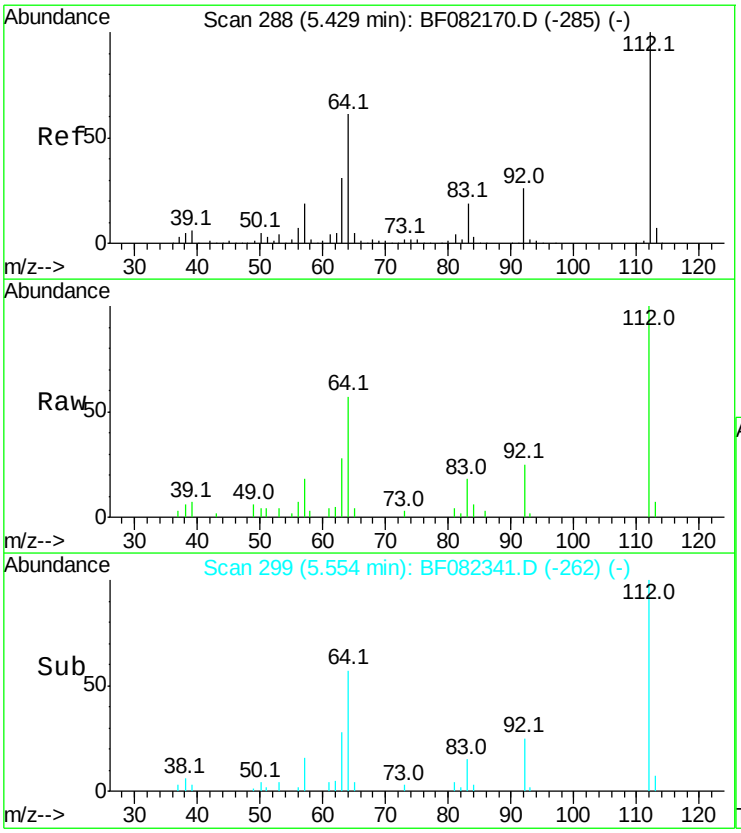
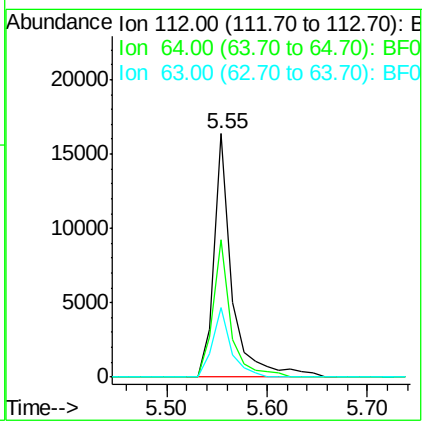
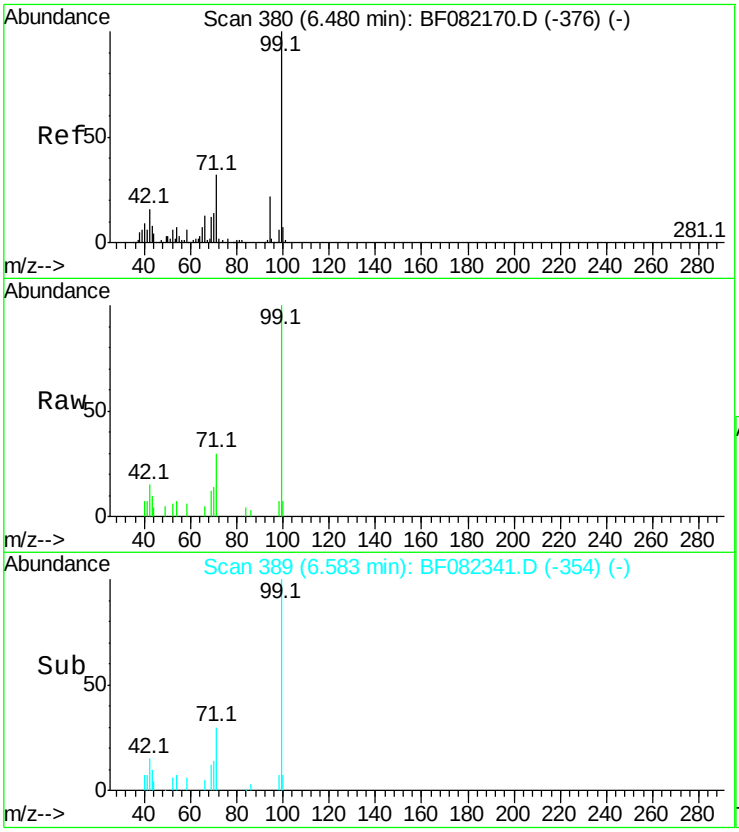


#5
2-Fluorophenol
Concen: 8.13 ng
RT: 5.55 min Scan# 299
Delta R.T. 0.13 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:112 Resp: 20371

Ion	Ratio	Lower	Upper
112	100		
64	56.5	48.6	73.0
63	28.5	25.1	37.7

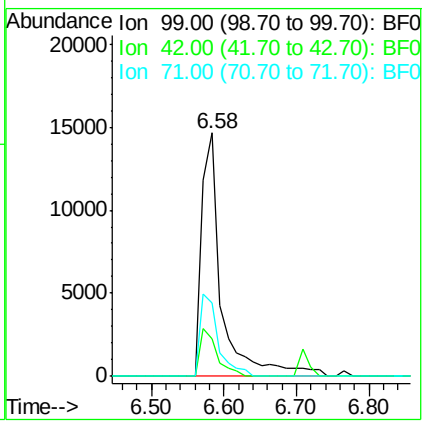




#7
Phenol-d6
Concen: 8.56 ng
RT: 6.58 min Scan# 389
Delta R.T. 0.10 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion: 99 Resp: 27923

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.2	19.8
71	30.1	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
LW-1

Manual Integrations APPROVED
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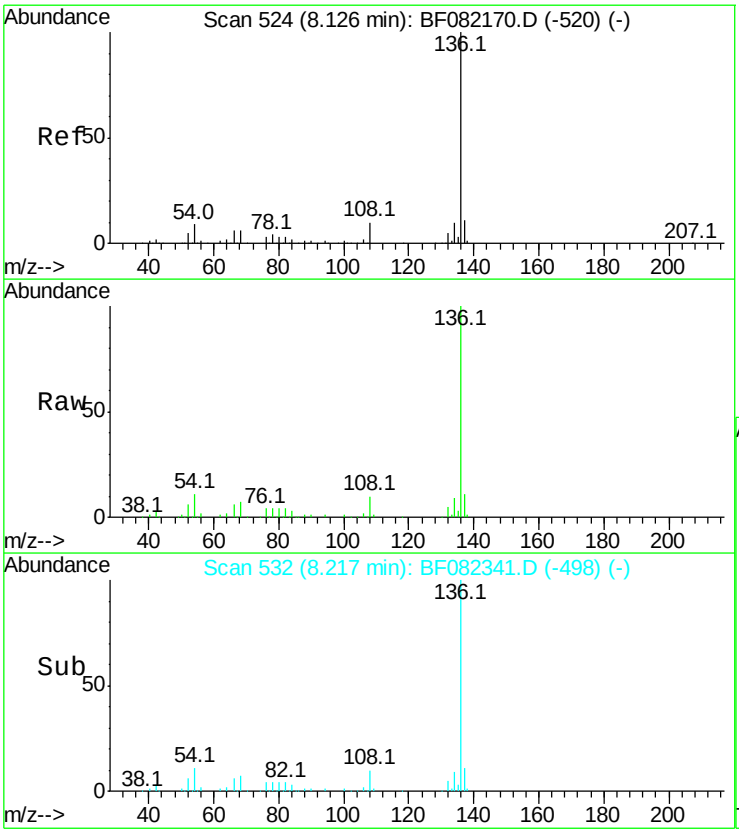
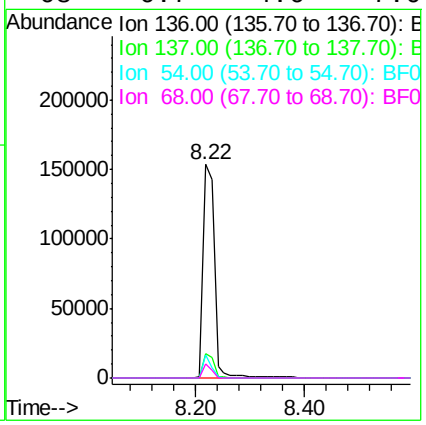
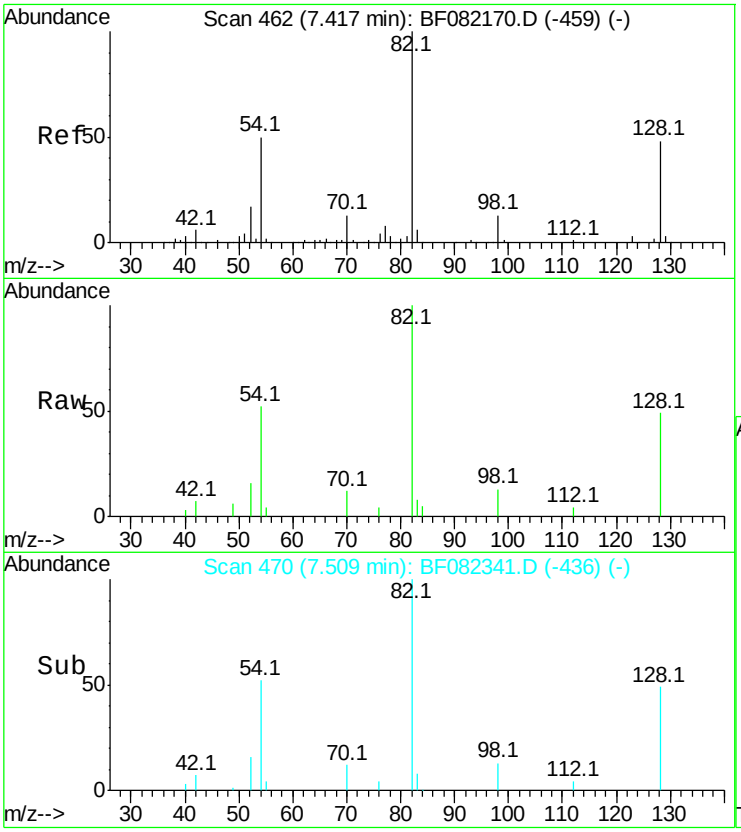


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 532
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:136 Resp: 221595

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	10.9	7.5	11.3
68	6.7	4.6	7.0

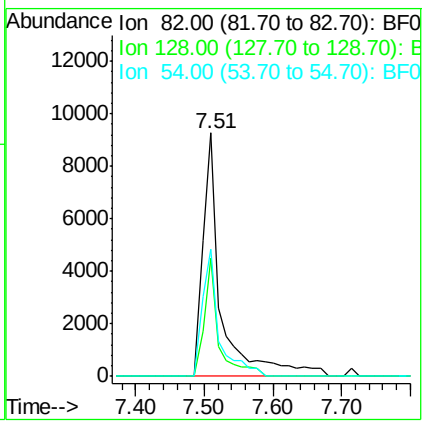




#23
Nitrobenzene-d5
Concen: 5.18 ng
RT: 7.51 min Scan# 470
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion: 82 Resp: 17099

Ion	Ratio	Lower	Upper
82	100		
128	48.6	38.7	58.1
54	52.3	40.1	60.1



Instrument :
BNA_F
ClientSampleId :
LW-1

Manual Integrations APPROVED
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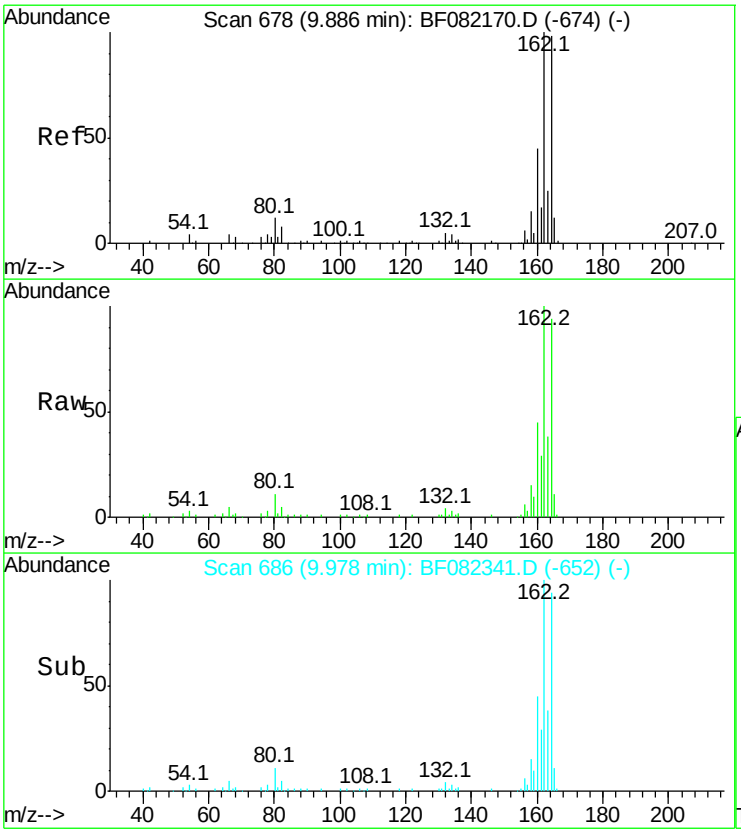
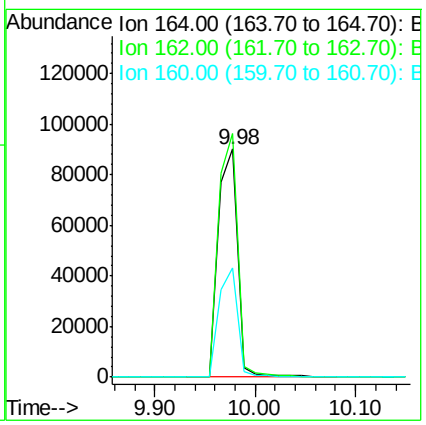
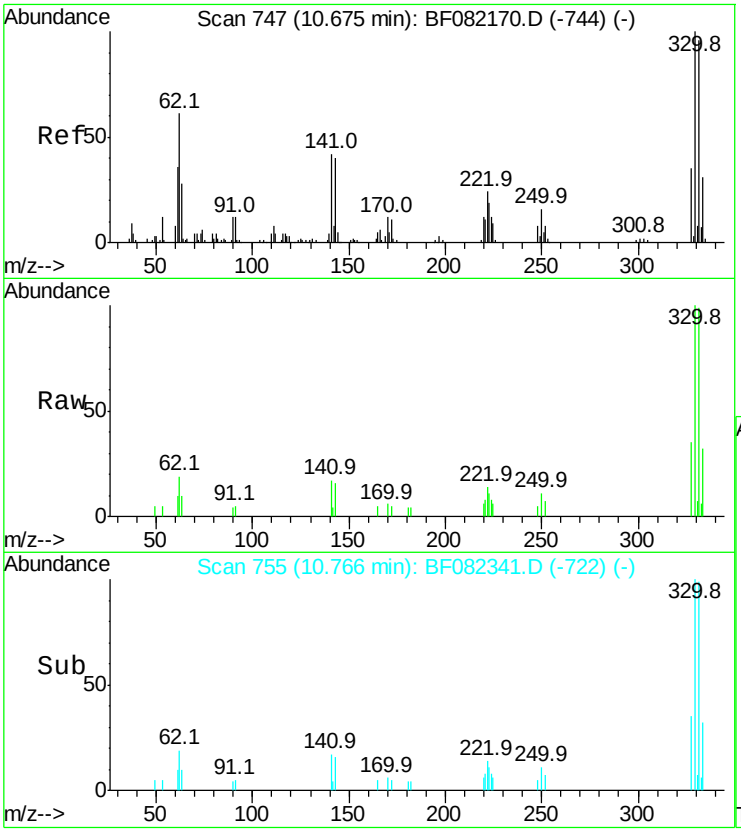


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 686
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:164 Resp: 120371

Ion	Ratio	Lower	Upper
164	100		
162	106.8	81.6	122.4
160	47.9	36.4	54.6

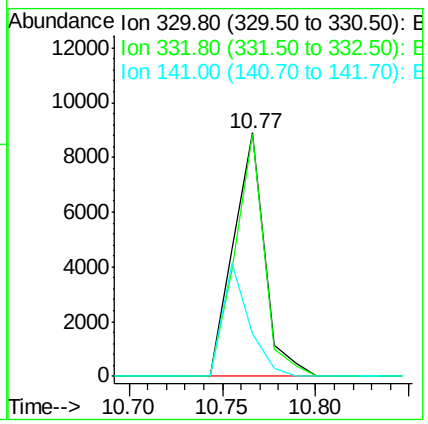




#41
2,4,6-Tribromophenol
Concen: 9.22 ng
RT: 10.77 min Scan# 755
Delta R.T. 0.08 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:330 Resp: 10411

Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.1	115.7
141	39.4	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
LW-1

Manual Integrations APPROVED
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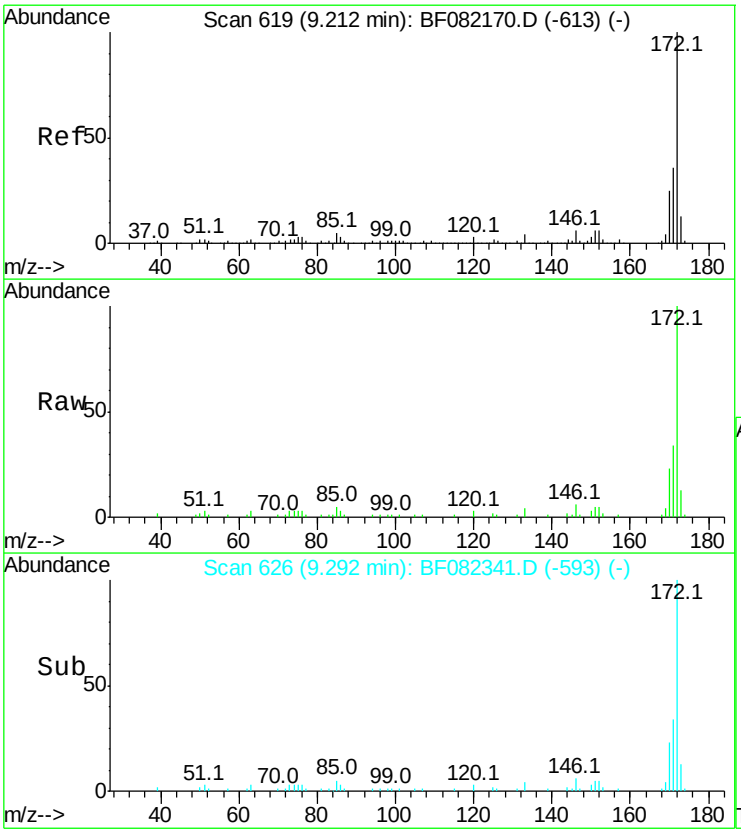
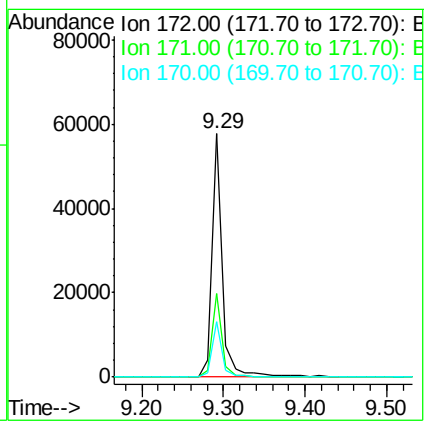
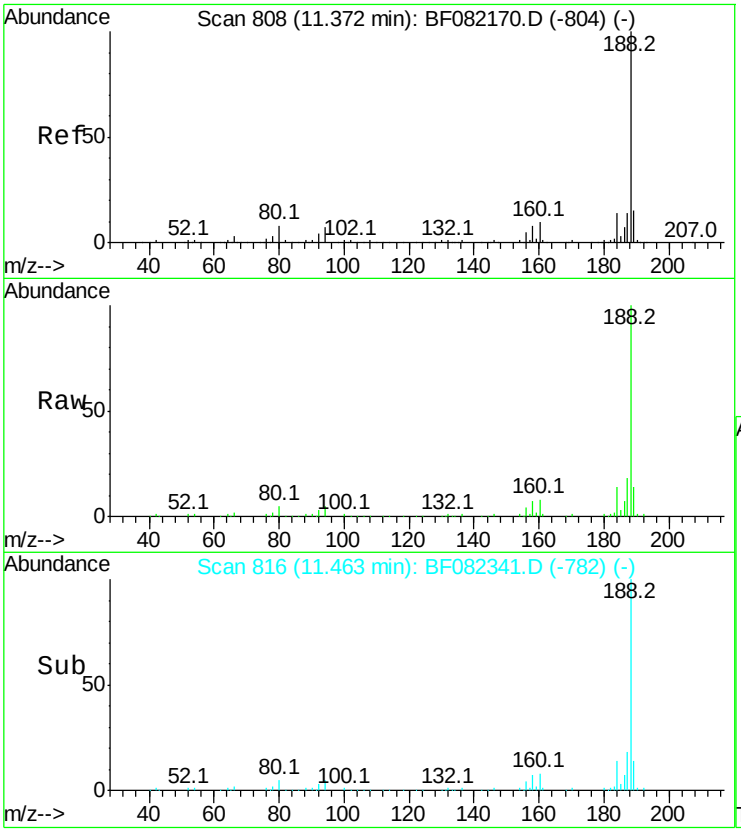


#44
2-Fluorobiphenyl
Concen: 7.14 ng
RT: 9.29 min Scan# 626
Delta R.T. 0.08 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:172 Resp: 51796

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.6	42.8
170	22.6	19.7	29.5

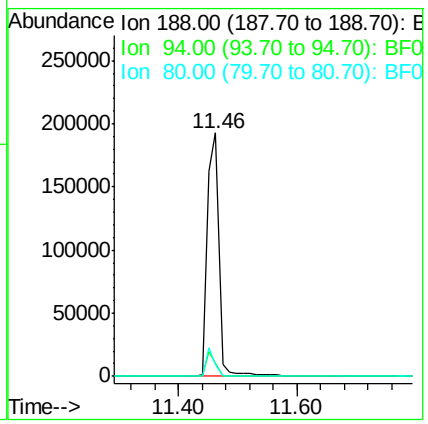




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 816
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:188 Resp: 263883

Ion	Ratio	Lower	Upper
188	100		
94	5.3	5.8	8.6#
80	5.1	6.4	9.6#



Instrument :
BNA_F
ClientSampleId :
LW-1

Manual Integrations APPROVED
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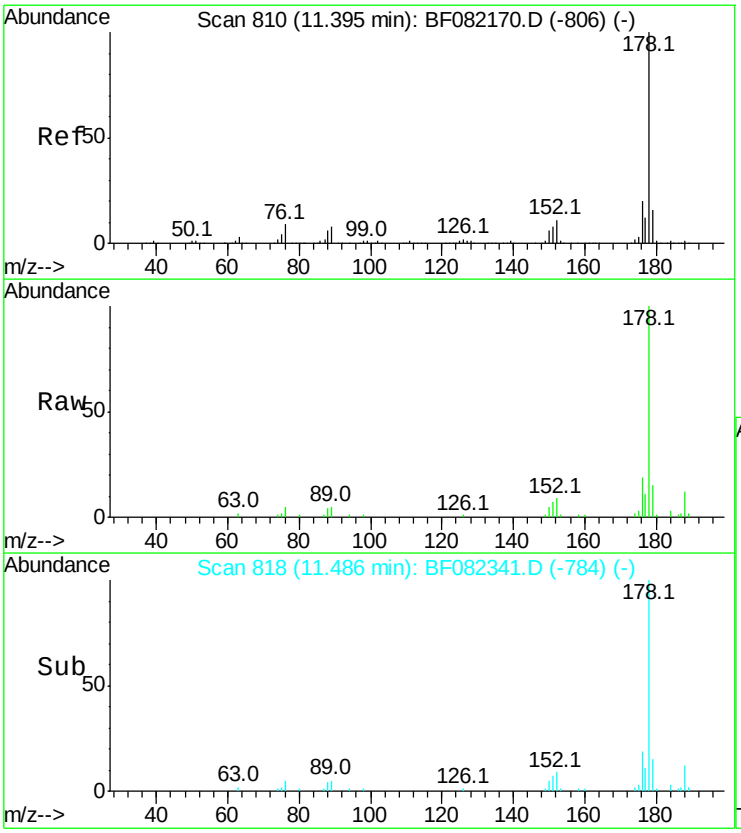
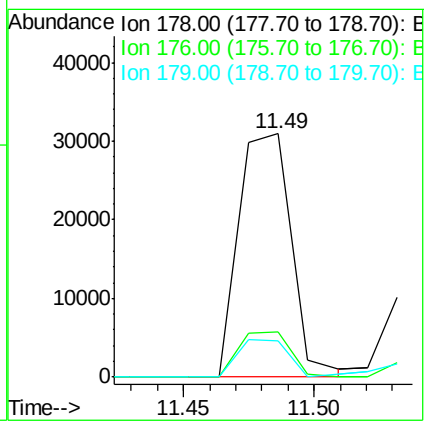
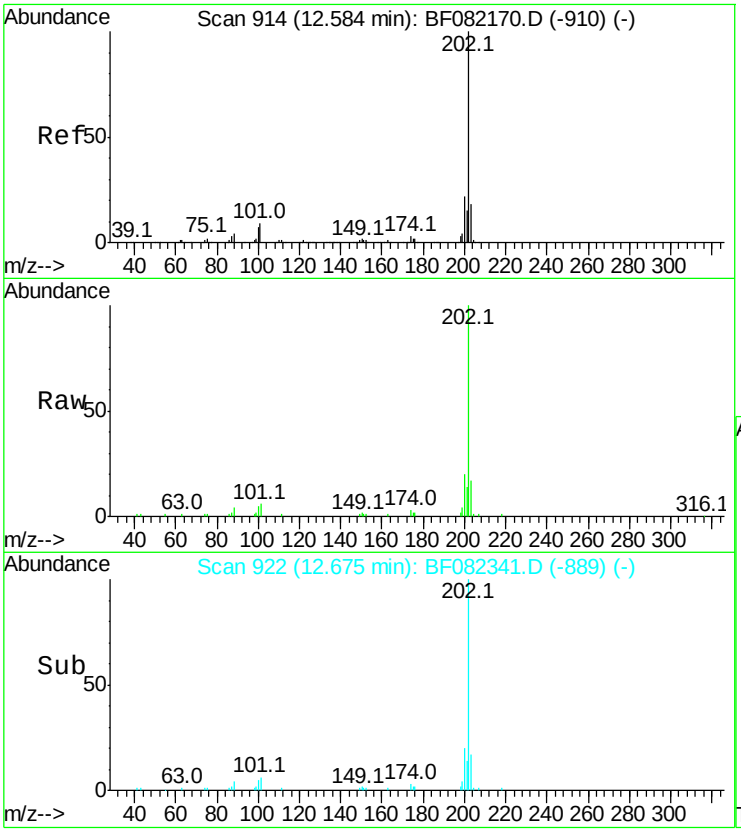


#70
Phenanthrene
Concen: 3.40 ng
RT: 11.49 min Scan# 818
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:178 Resp: 43965

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.0	24.0
179	14.8	12.6	19.0

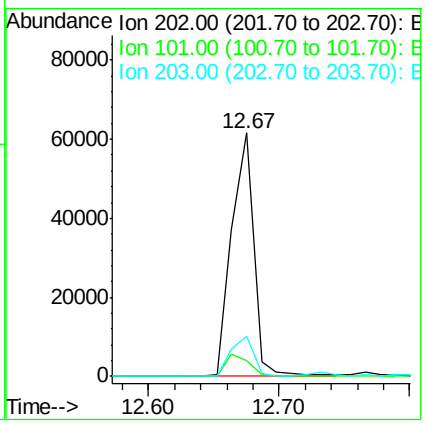




#74
Fluoranthene
Concen: 5.23 ng
RT: 12.67 min Scan# 922
Delta R.T. 0.08 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:202 Resp: 72672

Ion	Ratio	Lower	Upper
202	100		
101	6.3	0.0	29.3
203	16.6	0.0	37.8



Instrument :
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ClientSampleId :
LW-1

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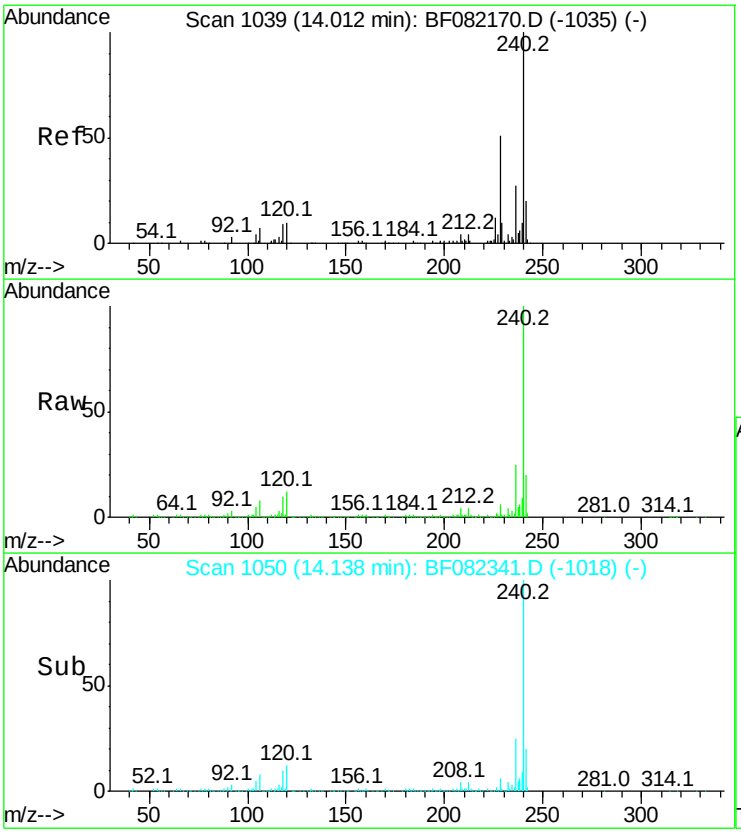
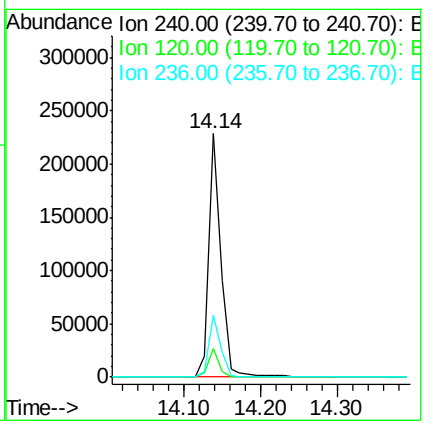
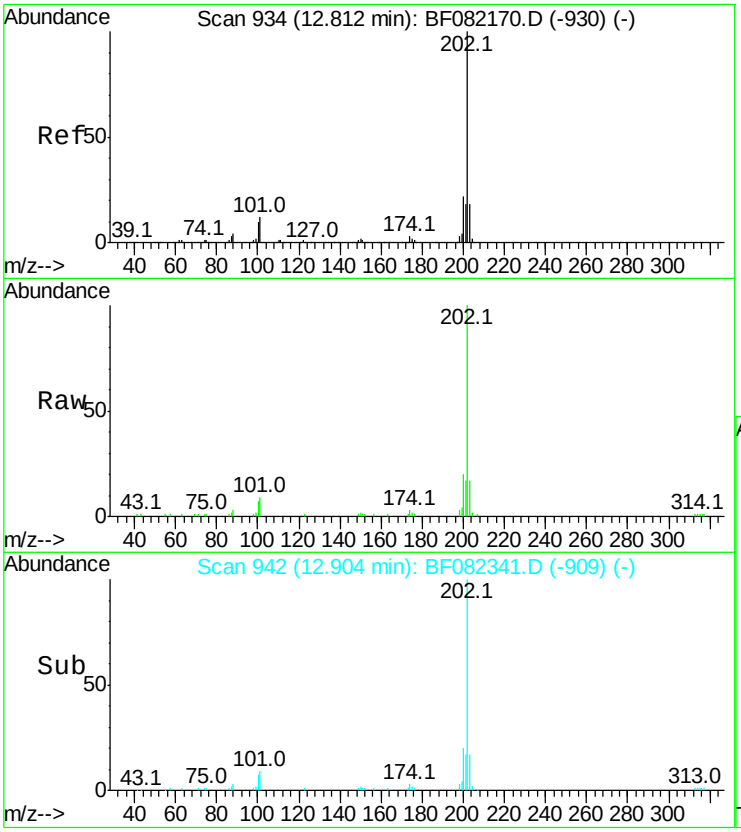


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 1050
Delta R.T. 0.07 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:240 Resp: 249776

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.1	12.1
236	25.4	21.3	31.9

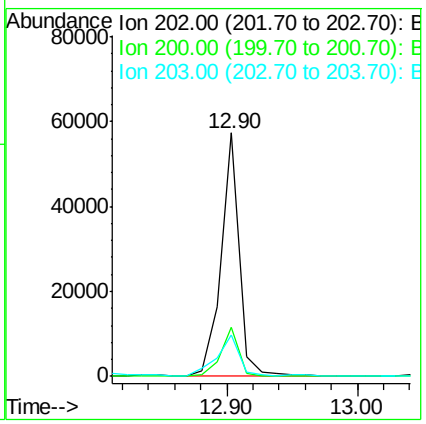




#77
Pyrene
Concen: 3.80 ng
RT: 12.90 min Scan# 942
Delta R.T. 0.08 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:202 Resp: 56324

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.9	26.9
203	16.9	14.5	21.7



Instrument :
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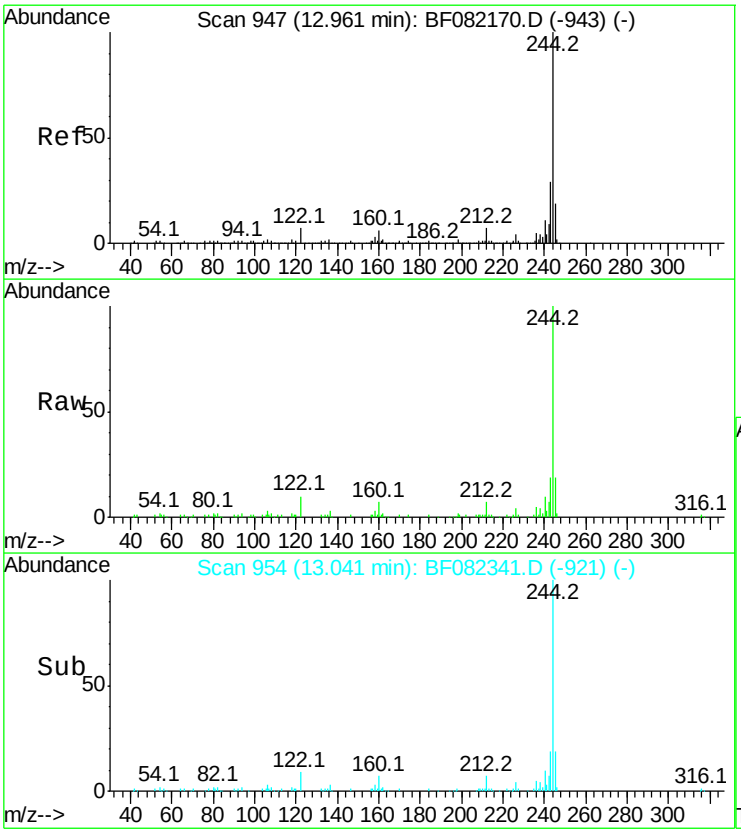
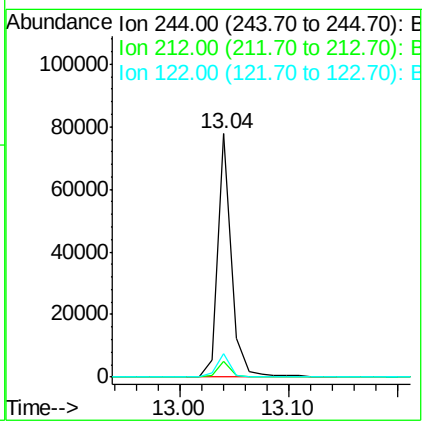
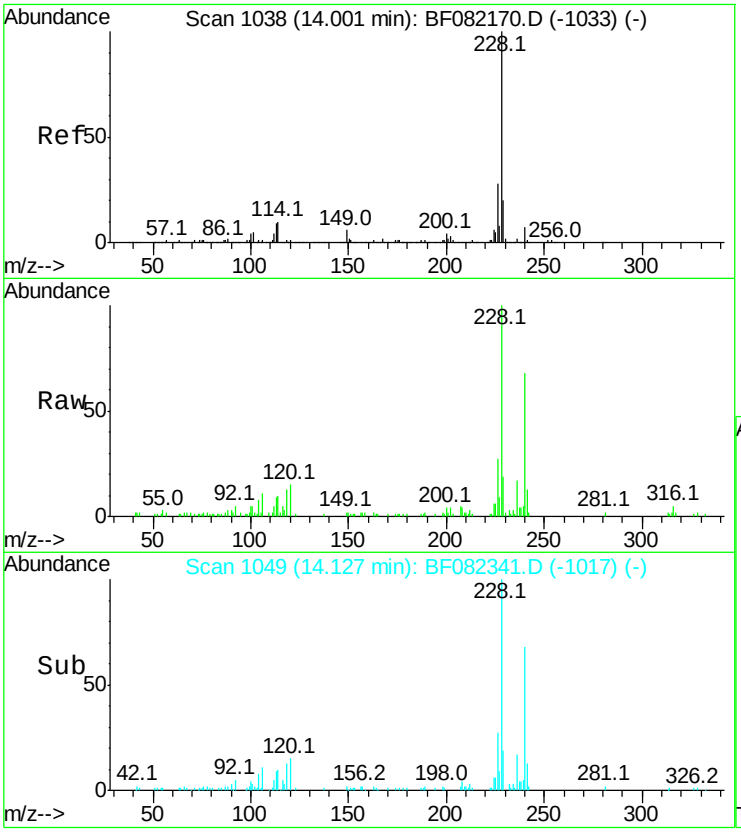


#78
Terphenyl-d14
Concen: 7.28 ng
RT: 13.04 min Scan# 954
Delta R.T. 0.08 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:244 Resp: 68663

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	9.6	5.9	8.9#

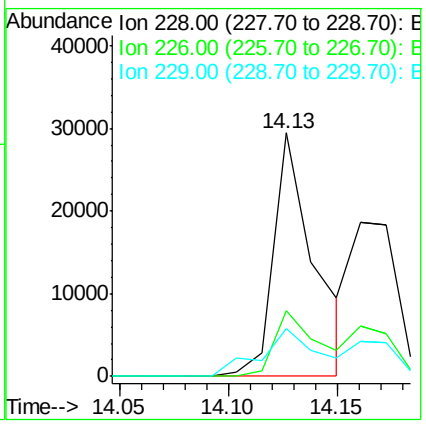




#80
Benzo(a)anthracene
Concen: 2.96 ng
RT: 14.13 min Scan# 1049
Delta R.T. 0.07 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:228 Resp: 38490

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.3	33.5
229	19.4	16.2	24.2



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ClientSampleId :
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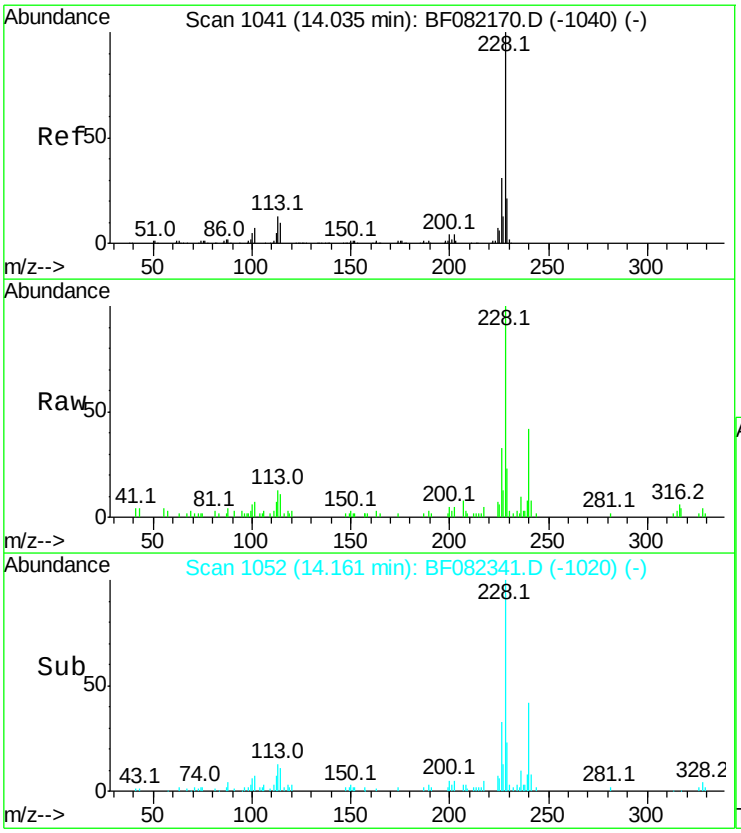
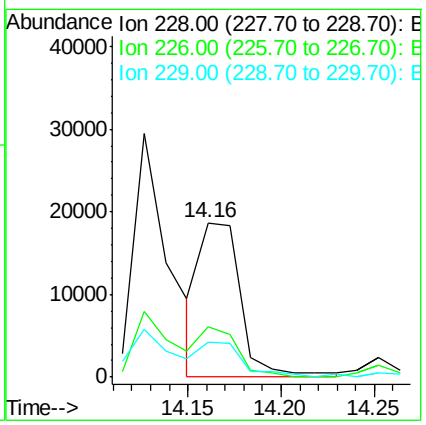
10/19/2015 5:32:34 PM

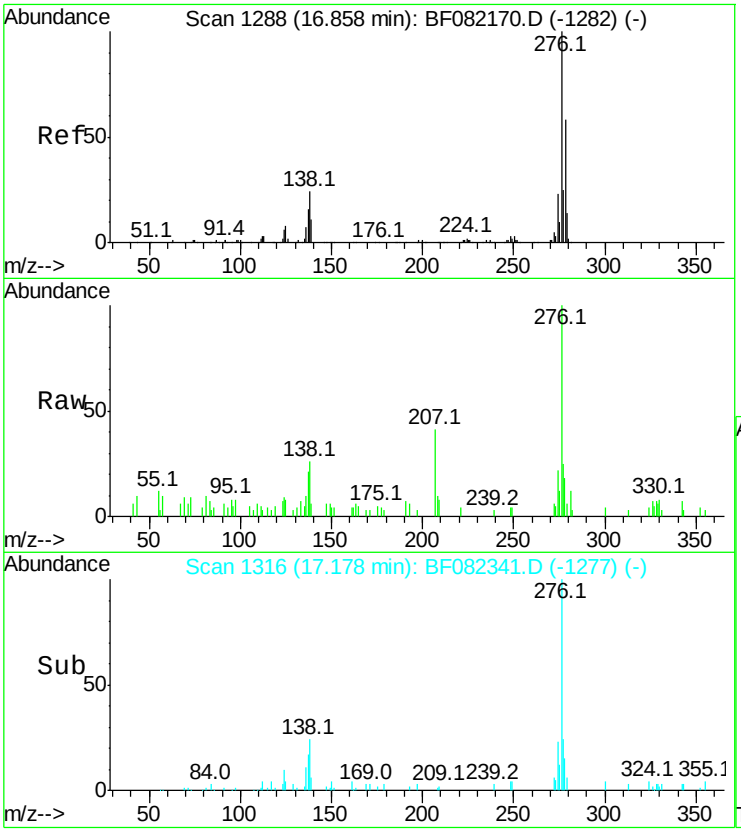


#82
Chrysene
Concen: 2.10 ng
RT: 14.16 min Scan# 1052
Delta R.T. 0.07 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:228 Resp: 28728

Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.4	36.6
229	22.8	16.3	24.5

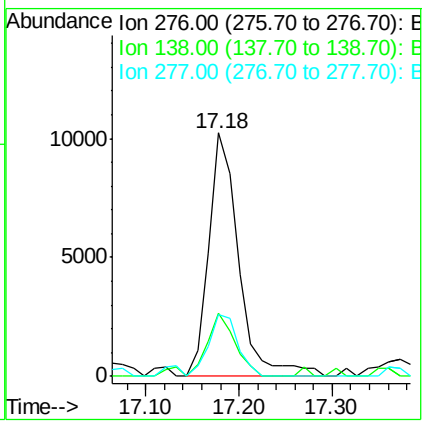




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.11 ng
RT: 17.18 min Scan# 1316
Delta R.T. 0.15 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:276 Resp: 22911

Ion	Ratio	Lower	Upper
276	100		
138	25.5	19.7	29.5
277	27.4	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
LW-1

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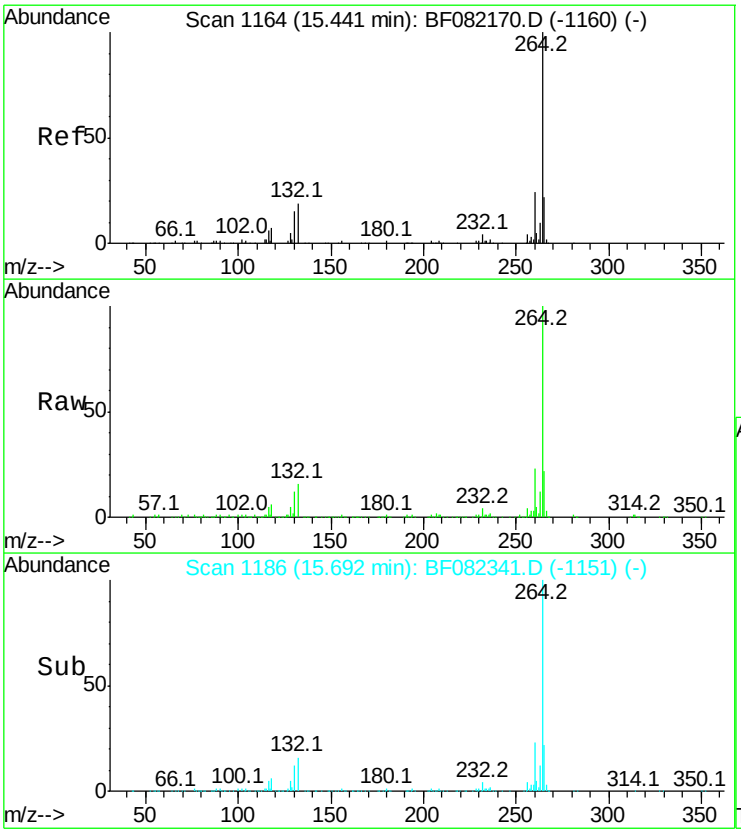
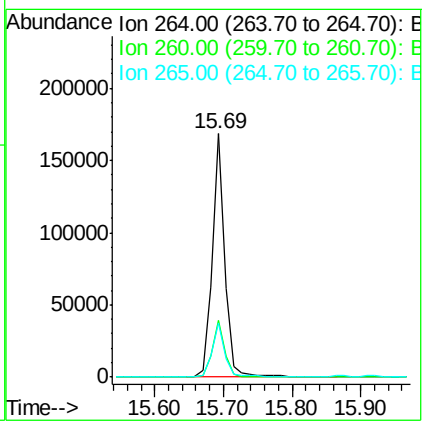
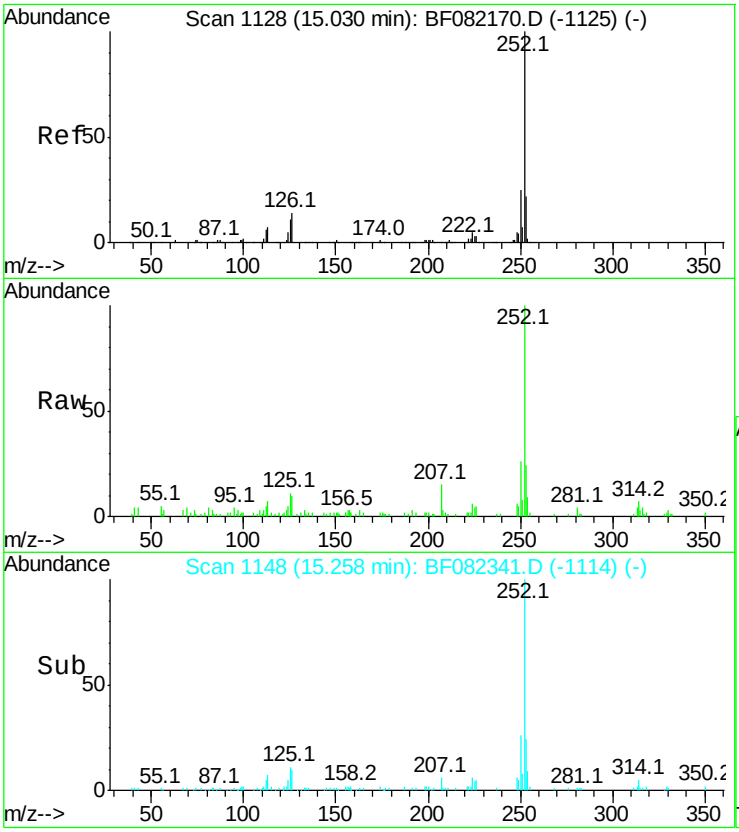


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1186
Delta R.T. 0.10 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:264 Resp: 216610

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	22.1	17.3	25.9

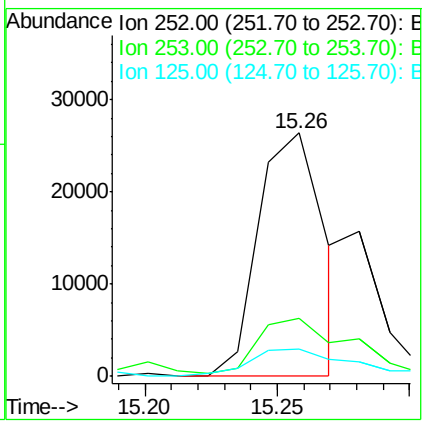




#87
Benzo(b)fluoranthene
Concen: 3.47 ng m
RT: 15.26 min Scan# 1148
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:252 Resp: 45665

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	11.2	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
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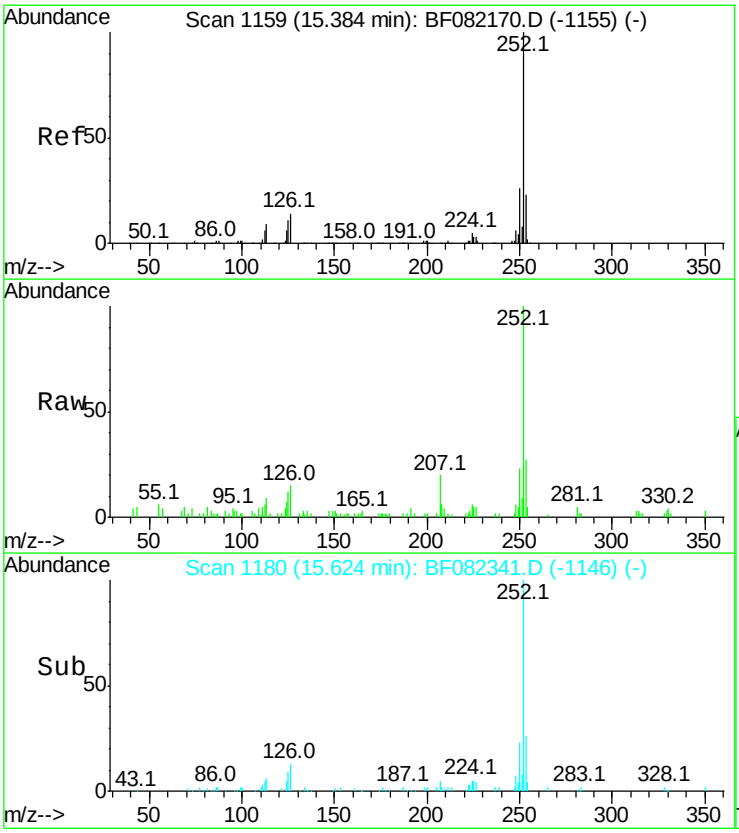
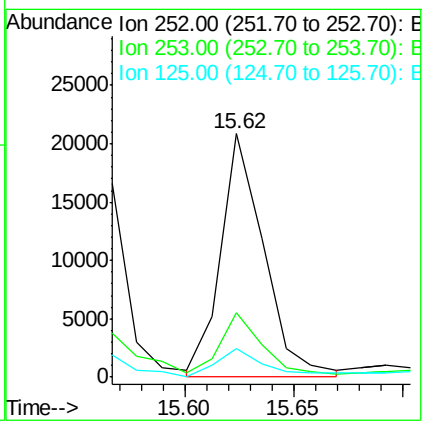
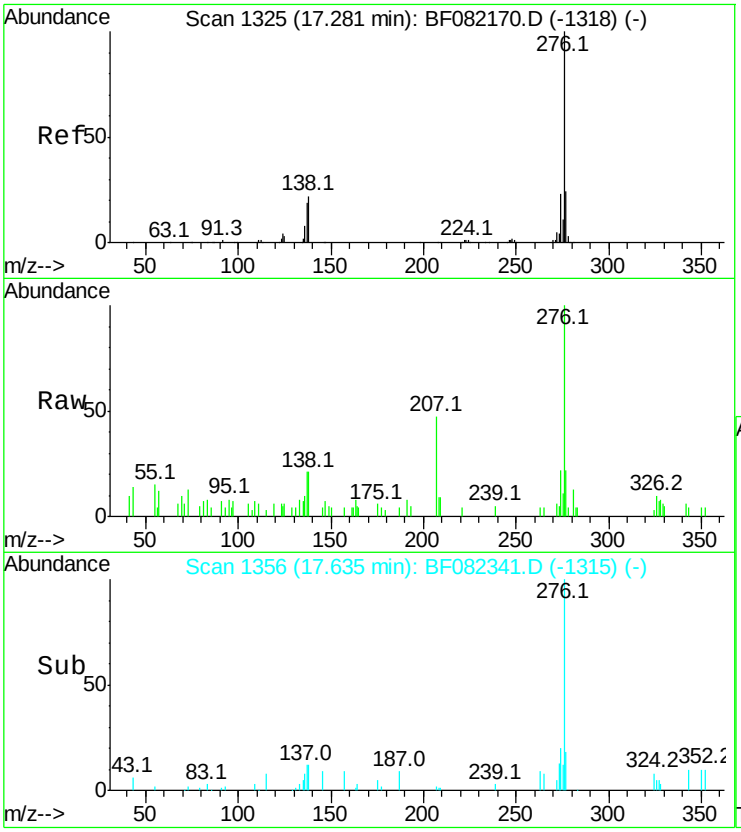


#89
Benzo(a)pyrene
Concen: 2.55 ng
RT: 15.62 min Scan# 1180
Delta R.T. 0.09 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:252 Resp: 28864

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.2
125	12.0	8.9	13.3

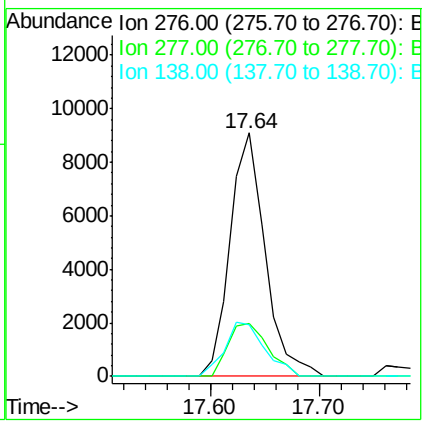




#91
Benzo(g,h,i)perylene
Concen: 2.25 ng
RT: 17.64 min Scan# 1356
Delta R.T. 0.17 min
Lab File: BF082341.D
Acq: 16 Oct 2015 22:36

Tgt Ion:276 Resp: 20304

Ion	Ratio	Lower	Upper
276	100		
277	21.6	18.8	28.2
138	21.3	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
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