Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
Acq On : 4 Mar 2016 7:00
Operator : SJ/UM
Sample : H1649-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BTWC-1-20160301

Manual Integrations APPROVED
Sohil
3/4/2016 4:36:20 PM

Quant Time: Mar 04 13:40:29 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	146565	20.00	ng		0.00
21) Naphthalene-d8	8.26	136	605254	20.00	ng		0.00
38) Acenaphthene-d10	10.02	164	245972	20.00	ng		0.00
63) Phenanthrene-d10	11.51	188	403810	20.00	ng		0.00
75) Chrysene-d12	14.14	240	256244	20.00	ng		-0.01
86) Perylene-d12	15.61	264	271787	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	885414	101.33	ng		0.01
7) Phenol-d6	6.61	99	1513757	132.23	ng		0.00
23) Nitrobenzene-d5	7.54	82	1082650	95.72	ng		0.00
41) 2,4,6-Tribromophenol	10.80	330	129018	61.30	ng		-0.01
44) 2-Fluorobiphenyl	9.34	172	1315997	81.37	ng		-0.01
78) Terphenyl-d14	13.09	244	857443	77.68	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.29	128	86164	2.90	ng		96
48) Acenaphthylene	9.88	152	68825	2.76	ng		97
49) Dimethylphthalate	9.73	163	287021	15.20	ng		99
51) Acenaphthene	10.05	154	43695	2.89	ng		99
54) Dibenzofuran	10.22	168	56596	2.85	ng		97
57) Fluorene	10.56	166	61047	3.92	ng		97
70) Phenanthrene	11.53	178	898434	42.45	ng		97
71) Anthracene	11.58	178	180245	8.02	ng		98
72) Carbazole	11.73	167	83714	4.25	ng		99
74) Fluoranthene	12.72	202	975383	45.93	ng		97
77) Pyrene	12.95	202	854625	44.31	ng		98
80) Benzo(a)anthracene	14.13	228	374741	24.43	ng		97
82) Chrysene	14.16	228	295978	20.89	ng		97
83) Bis(2-ethylhexyl)phthalate	14.12	149	23574	2.05	ng	#	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	160669	14.53	ng		95
87) Benzo(b)fluoranthene	15.19	252	424581m	23.44	ng		
88) Benzo(k)fluoranthene	15.21	252	128790m	8.81	ng		
89) Benzo(a)pyrene	15.56	252	291781	19.44	ng	#	96
90) Dibenzo(a,h)anthracene	17.10	278	44810m	3.50	ng		
91) Benzo(g,h,i)perylene	17.53	276	149172	11.58	ng		96

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

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Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

Manual Integrations APPROVED
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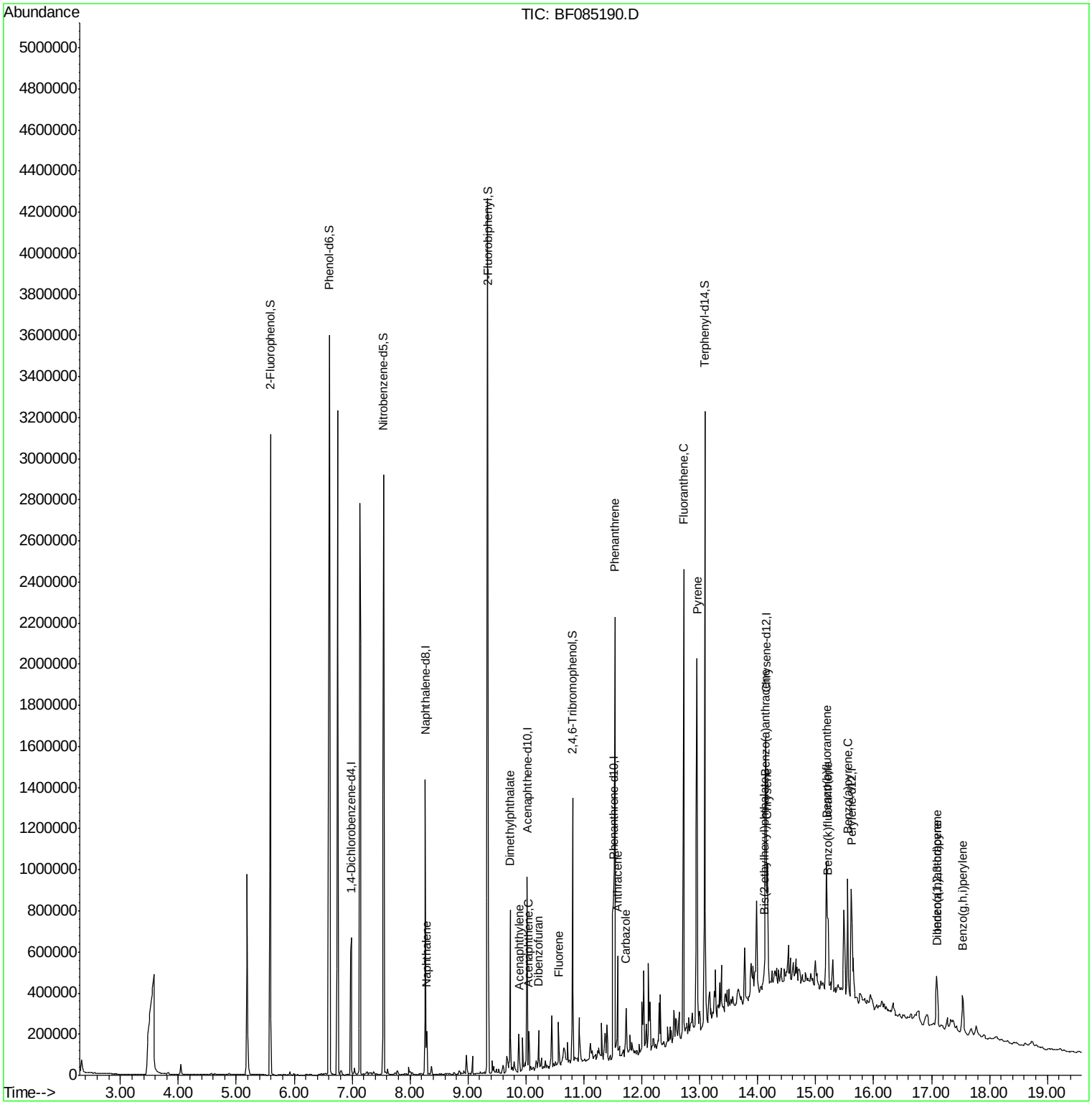
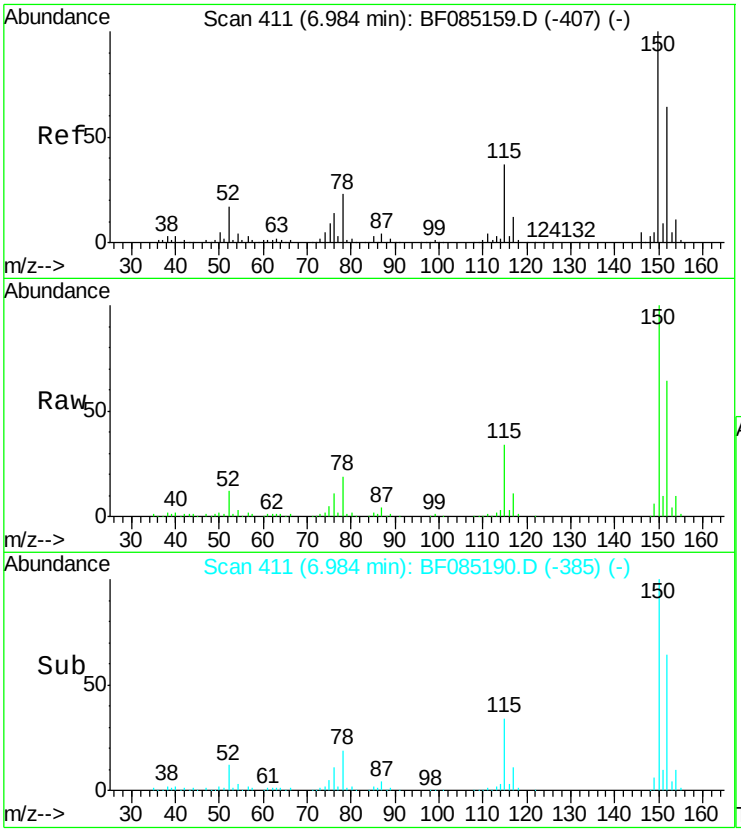
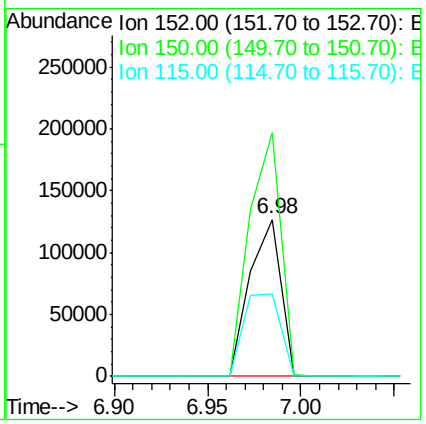




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:152 Resp: 146565

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	52.2	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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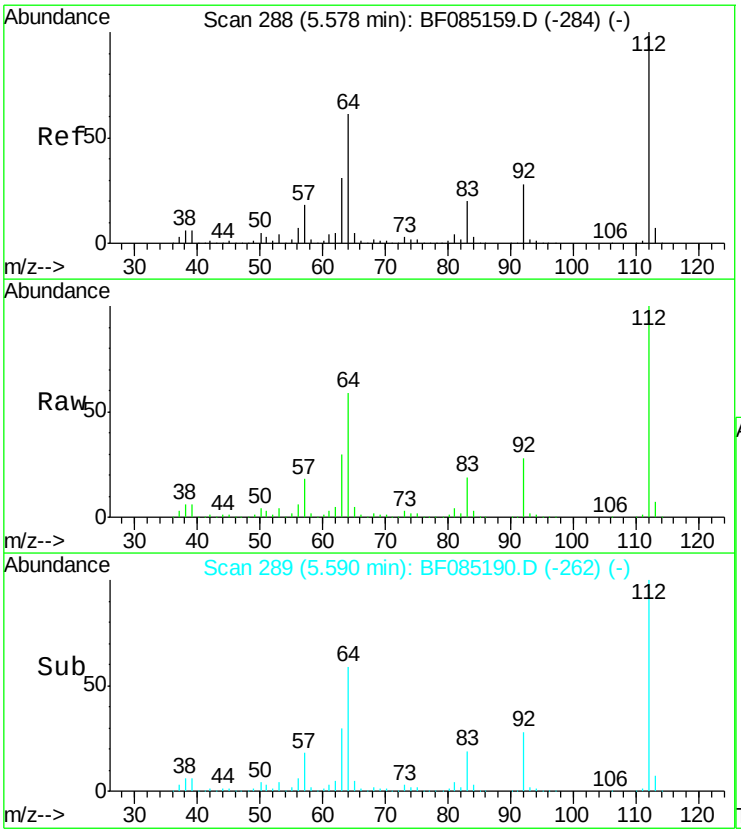
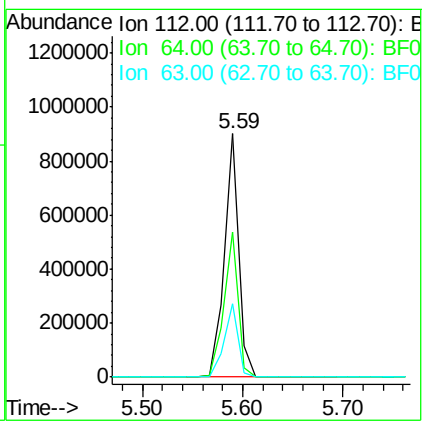
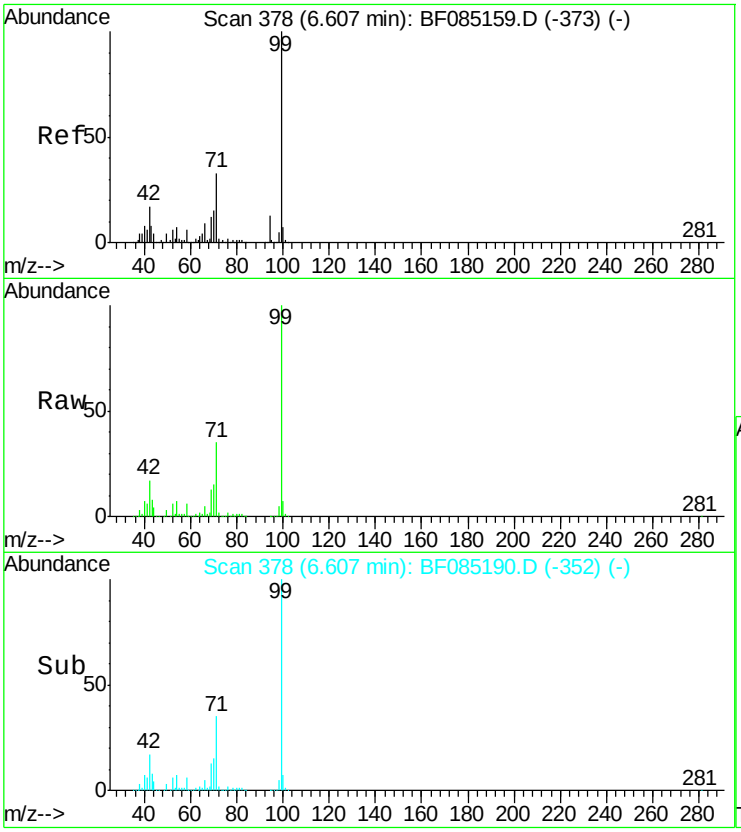


#5
2-Fluorophenol
Concen: 101.33 ng
RT: 5.59 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:112 Resp: 885414

Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.0	73.4
63	29.9	24.8	37.2

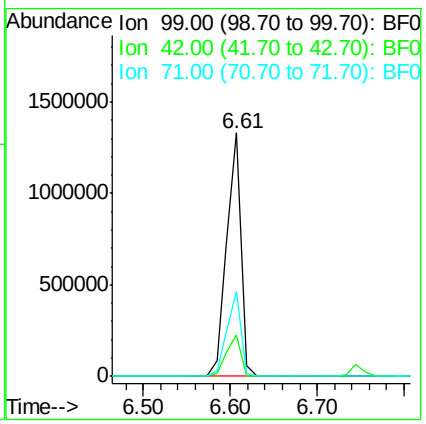




#7
Phenol-d6
Concen: 132.23 ng
RT: 6.61 min Scan# 378
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion: 99 Resp: 1513757

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.6	20.4
71	34.7	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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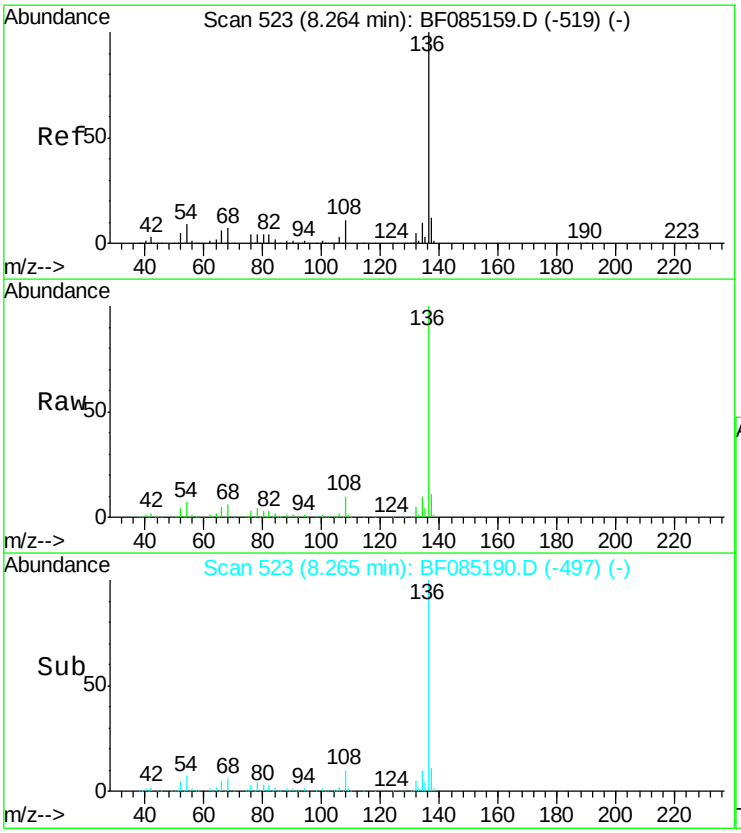
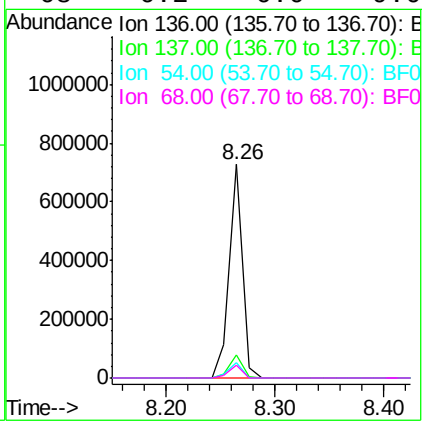
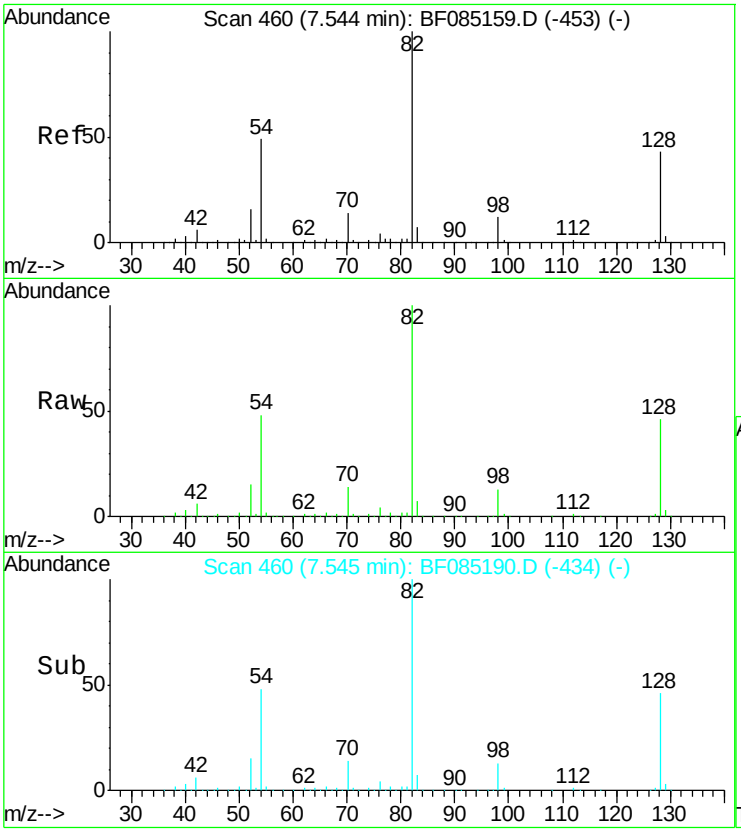


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:136 Resp: 605254

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	7.1	7.4	11.2#
68	6.2	6.0	9.0

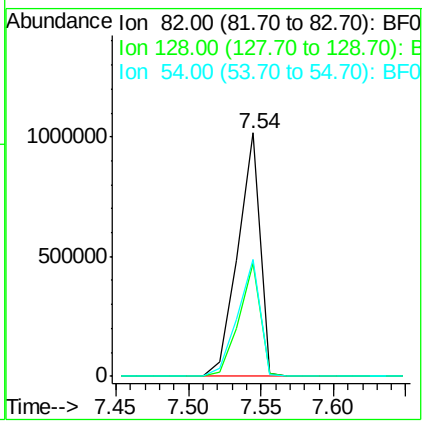




#23
Nitrobenzene-d5
Concen: 95.72 ng
RT: 7.54 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion: 82 Resp: 1082650

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.5	51.7
54	48.1	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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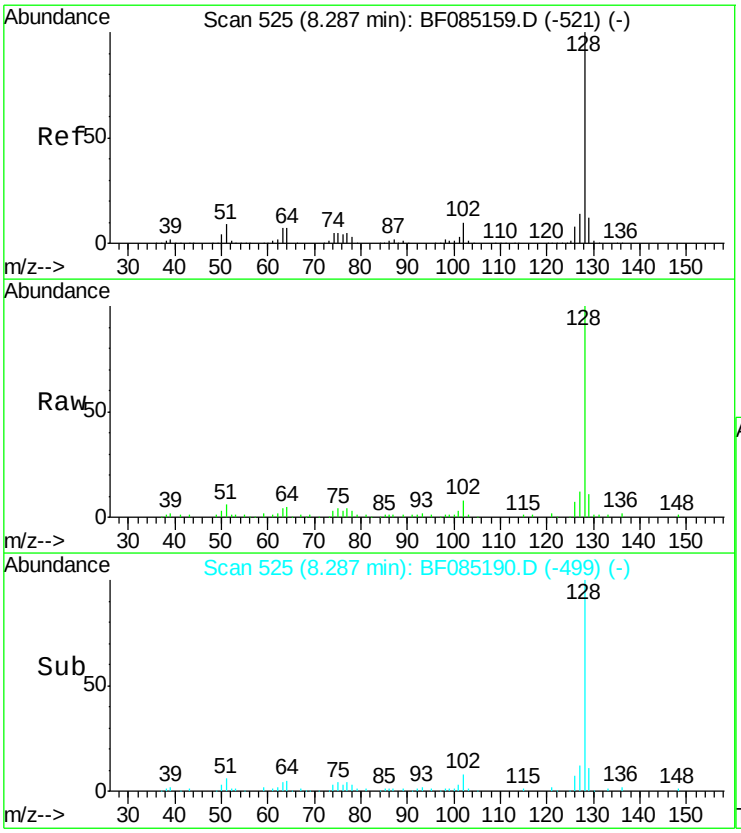
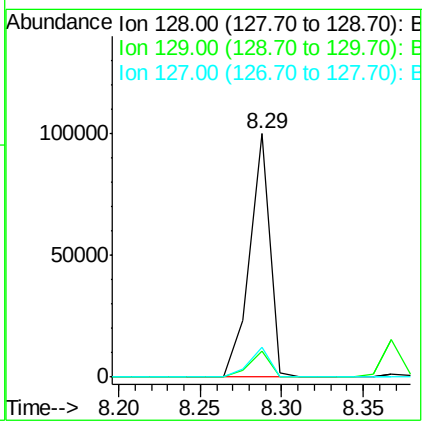
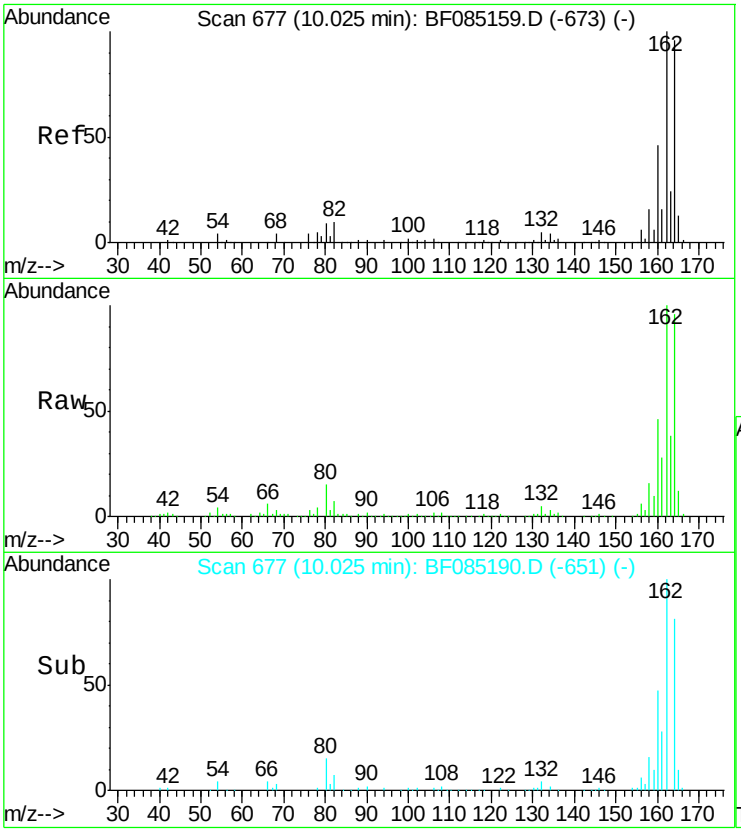


#31
Naphthalene
Concen: 2.90 ng
RT: 8.29 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:128 Resp: 86164

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.7	14.5
127	12.2	11.2	16.8

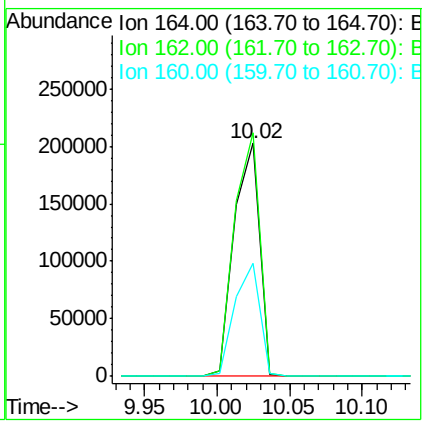




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:164 Resp: 245972

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.3	124.9
160	48.3	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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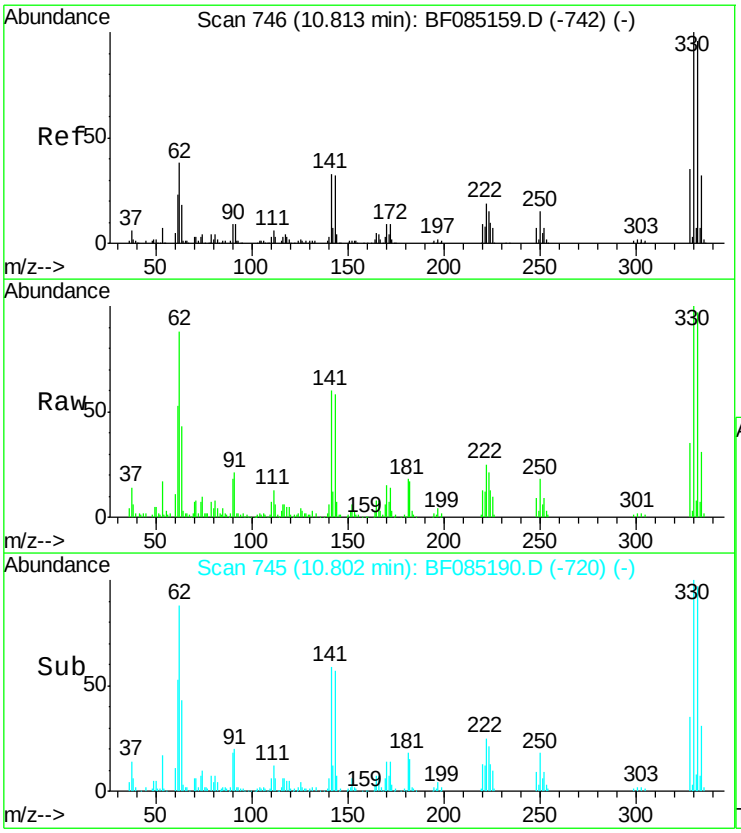
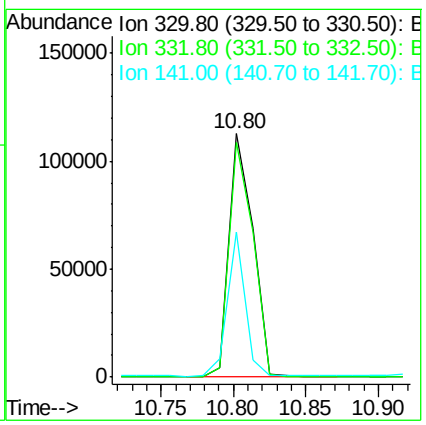
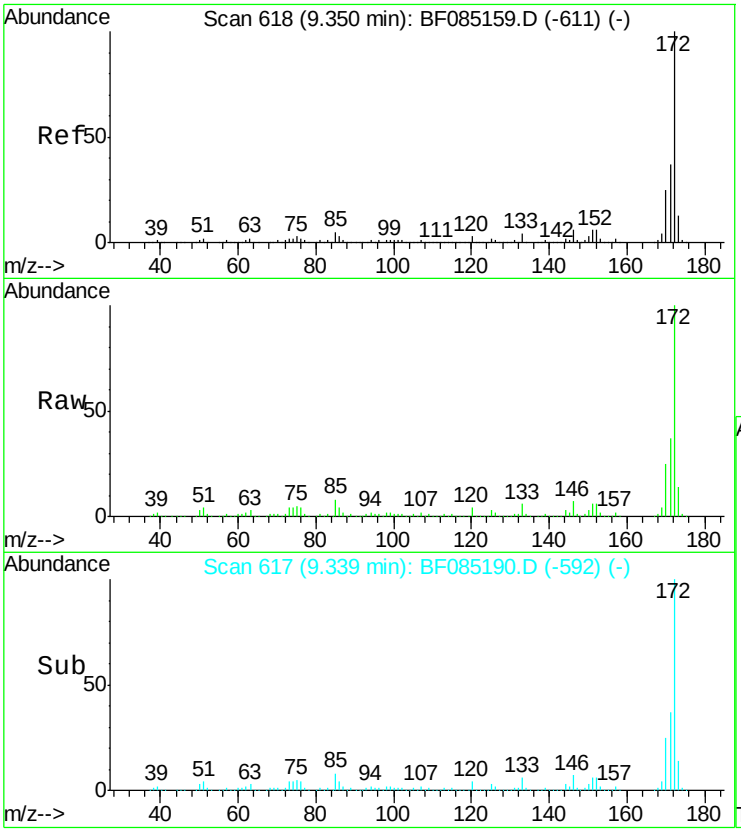


#41
2,4,6-Tribromophenol
Concen: 61.30 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:330 Resp: 129018

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	44.5	35.0	52.6

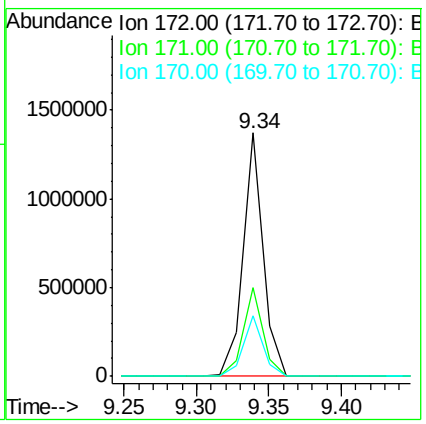




#44
2-Fluorobiphenyl
Concen: 81.37 ng
RT: 9.34 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:172 Resp: 1315997

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.3	43.9
170	24.8	20.0	30.0



Instrument :
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ClientSampleId :
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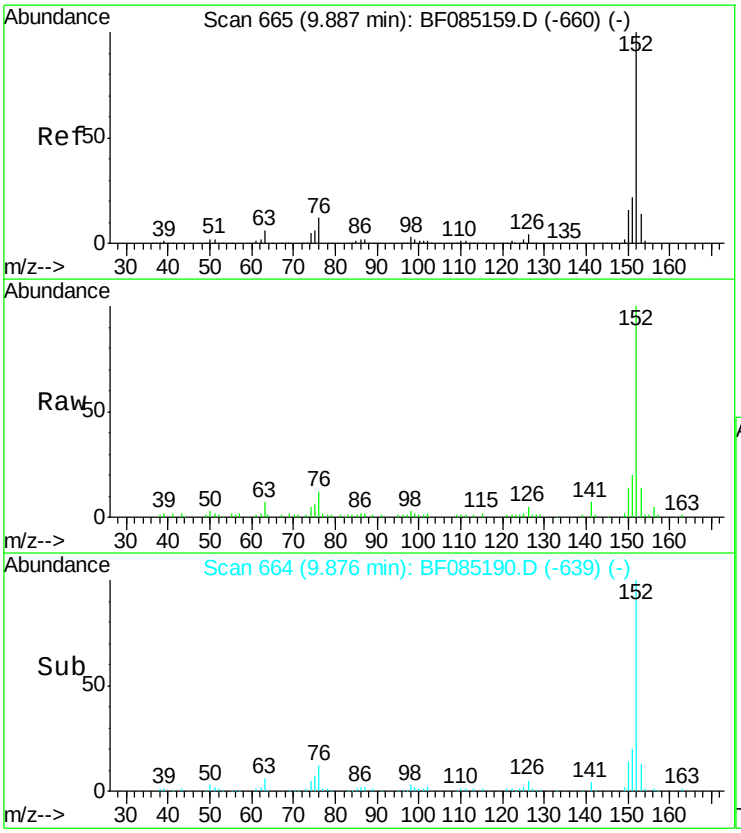
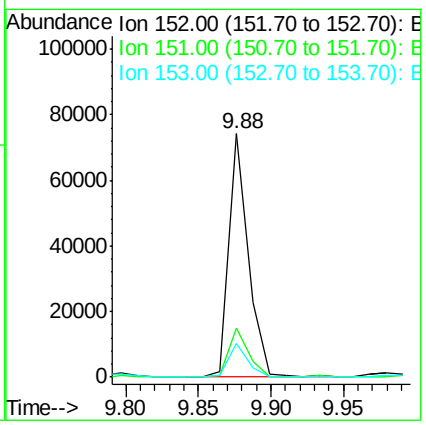
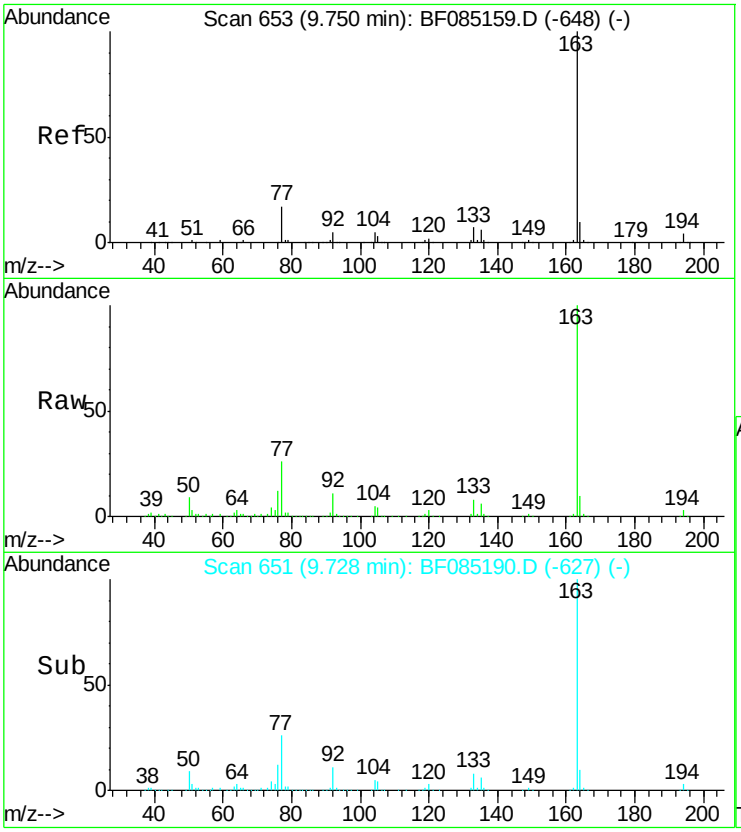


#48
Acenaphthylene
Concen: 2.76 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:152 Resp: 68825

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.5	26.3
153	13.8	11.3	16.9

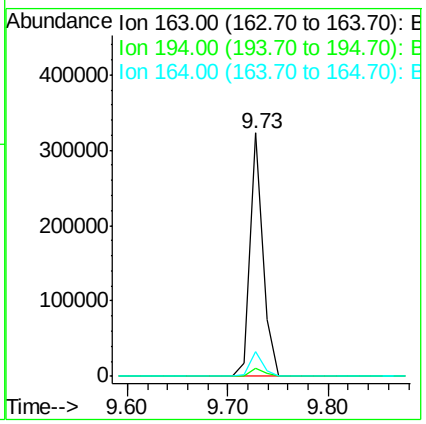




#49
Dimethylphthalate
Concen: 15.20 ng
RT: 9.73 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:163 Resp: 287021

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.1	4.7
164	10.3	8.2	12.4



Instrument :
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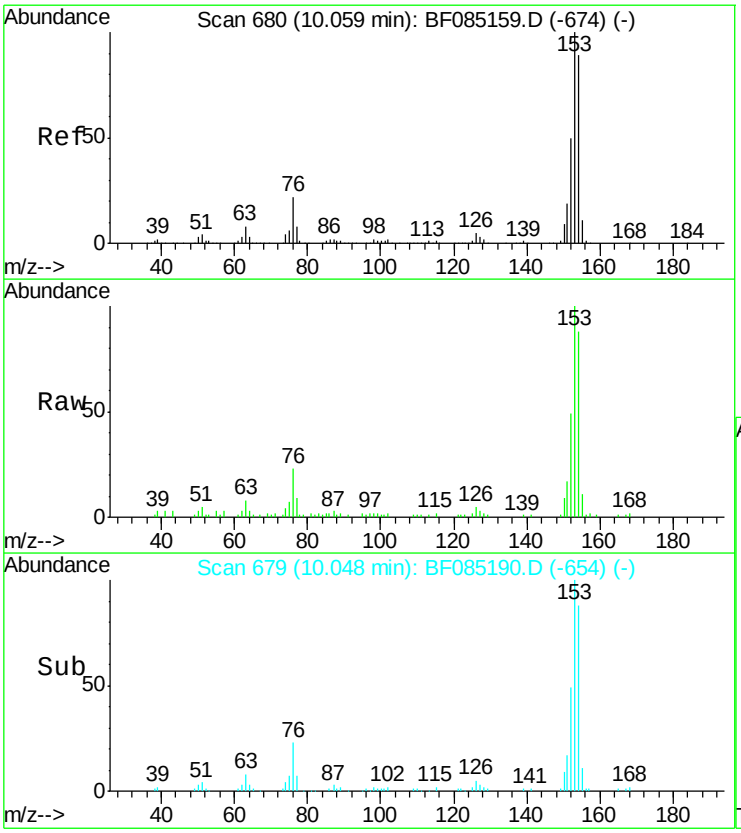
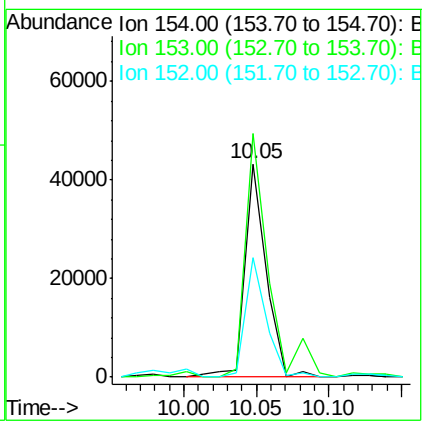
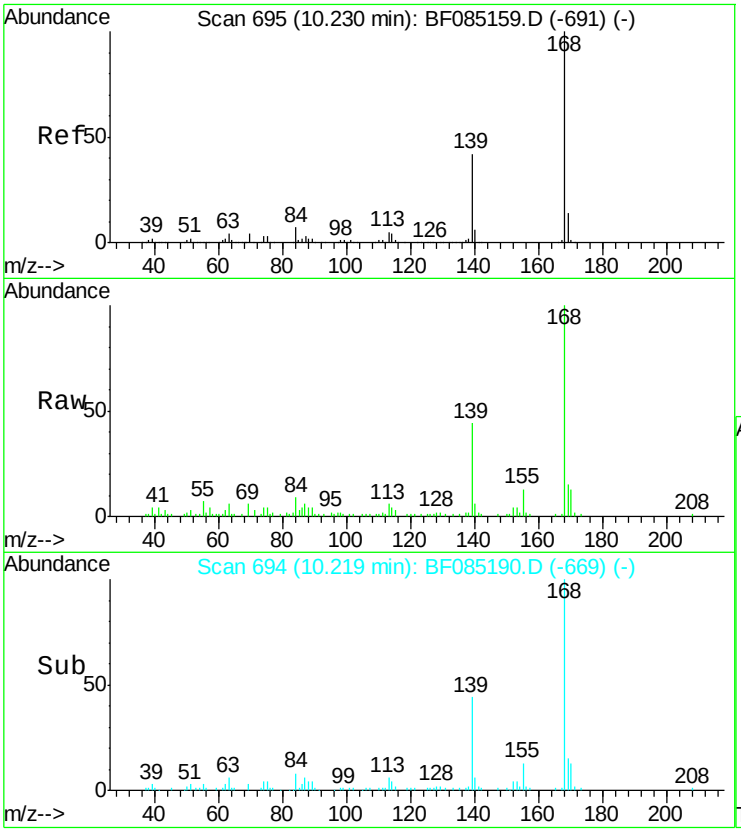


#51
Acenaphthene
Concen: 2.89 ng
RT: 10.05 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:154 Resp: 43695

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.8	134.8
152	55.7	44.6	66.8

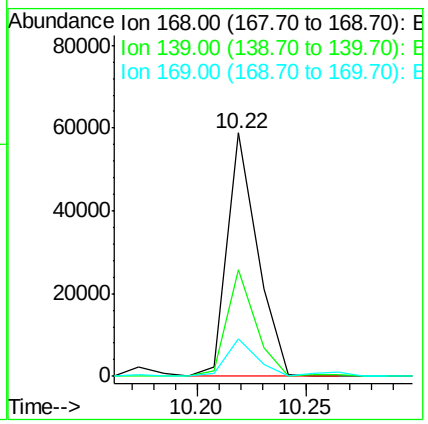




#54
Dibenzofuran
Concen: 2.85 ng
RT: 10.22 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:168 Resp: 56596

Ion	Ratio	Lower	Upper
168	100		
139	43.8	33.6	50.4
169	15.3	11.2	16.8



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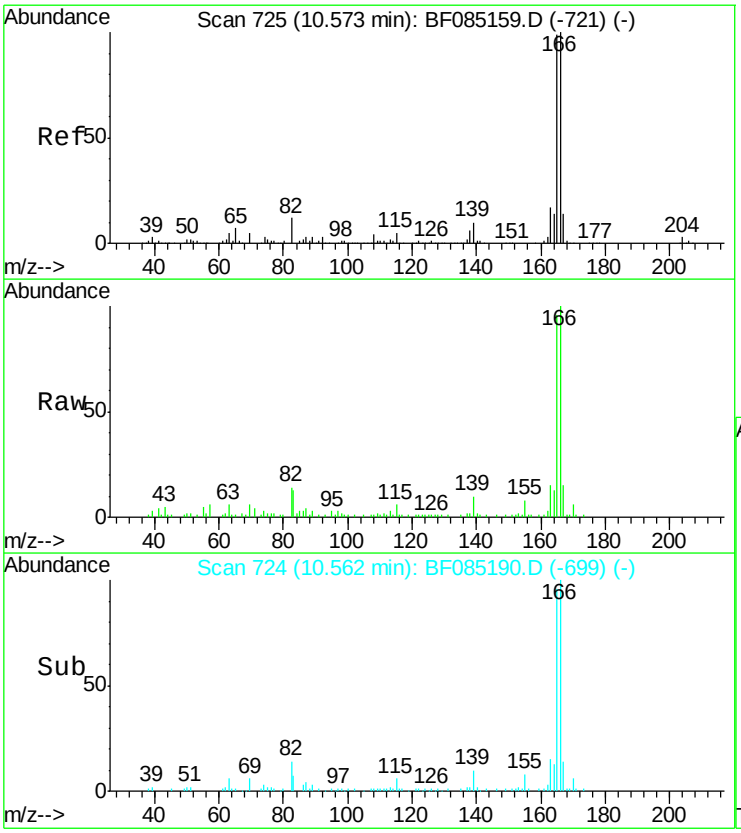
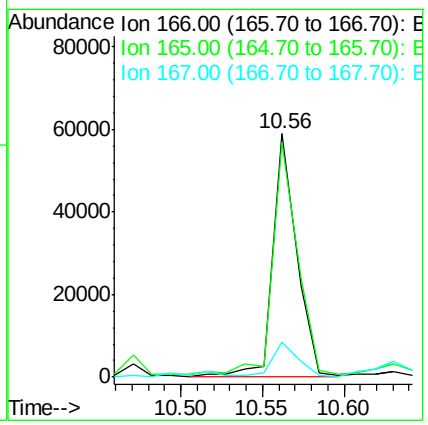
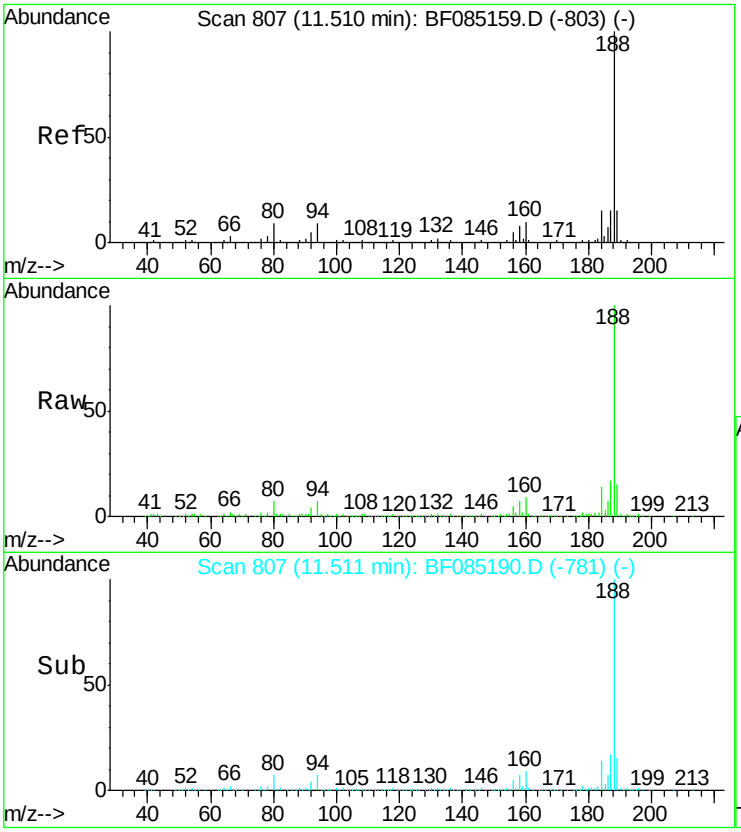


#57
Fluorene
Concen: 3.92 ng
RT: 10.56 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:166 Resp: 61047

Ion	Ratio	Lower	Upper
166	100		
165	96.4	79.4	119.0
167	14.5	11.0	16.6

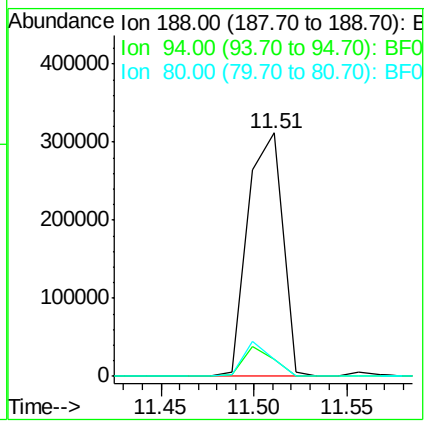




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:188 Resp: 403810

Ion	Ratio	Lower	Upper
188	100		
94	7.0	7.0	10.6#
80	7.0	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

Manual Integrations APPROVED
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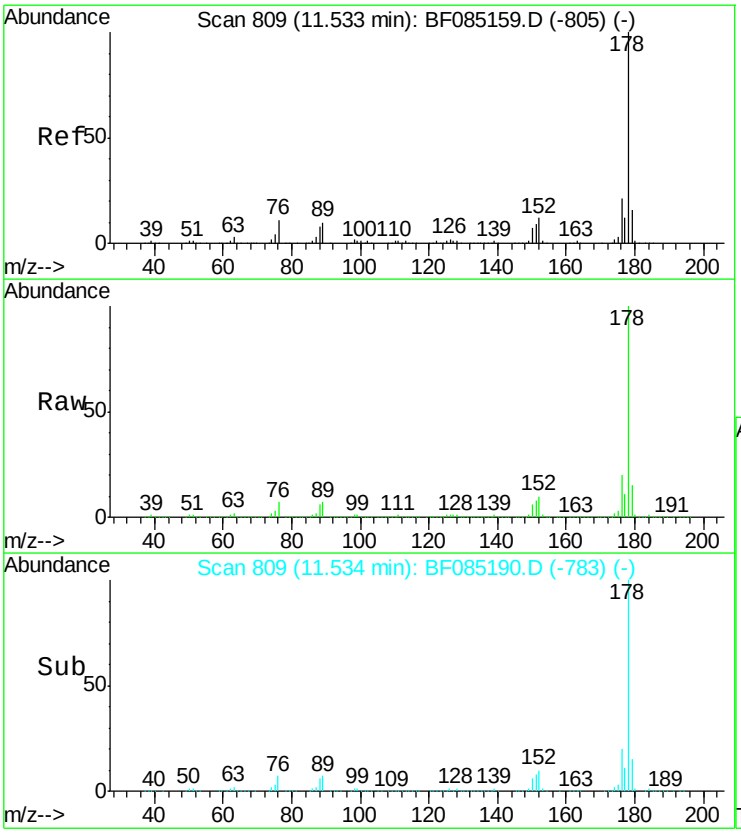
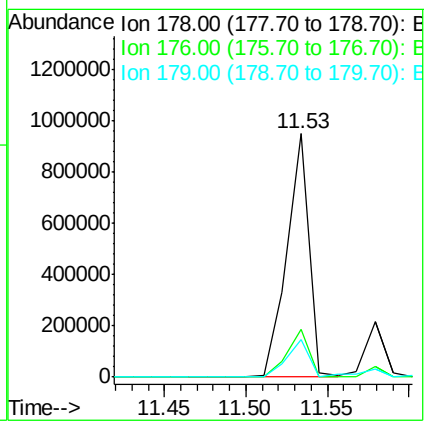
3/4/2016 4:36:20 PM

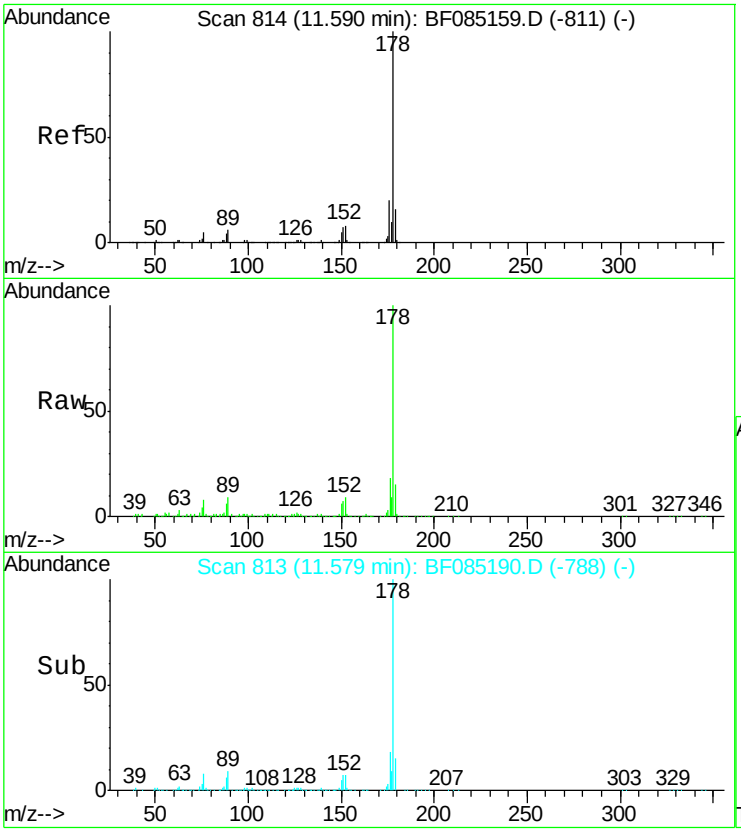


#70
Phenanthrene
Concen: 42.45 ng
RT: 11.53 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:178 Resp: 898434

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.8	25.2
179	15.4	13.1	19.7

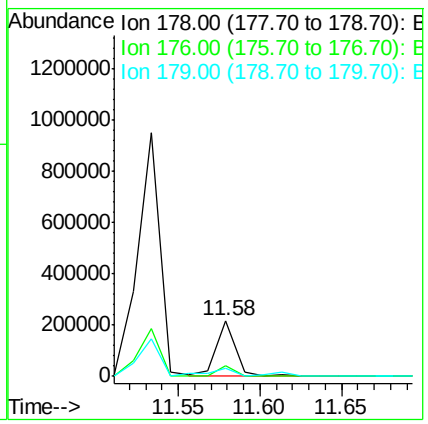




#71
Anthracene
Concen: 8.02 ng
RT: 11.58 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:178 Resp: 180245

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.4	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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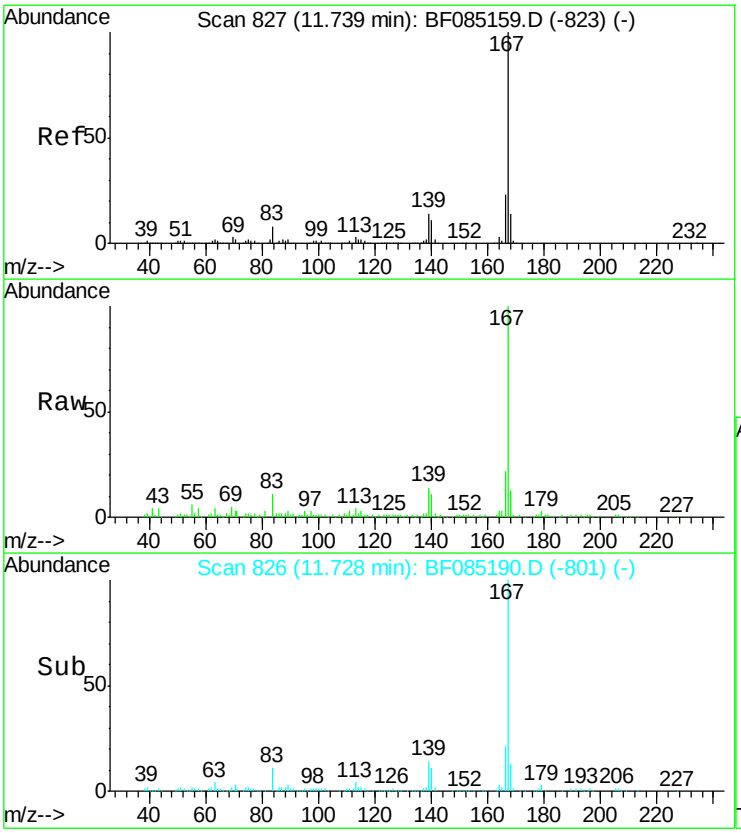
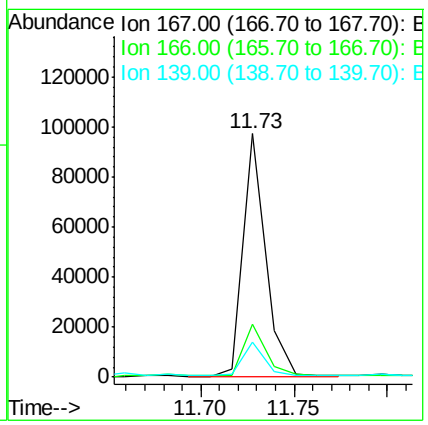
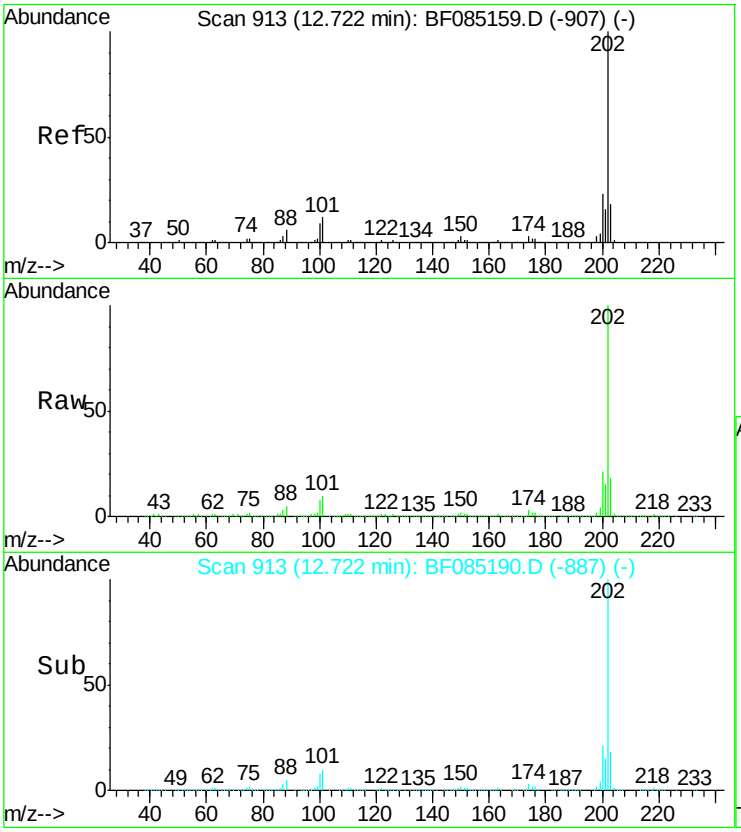


#72
Carbazole
Concen: 4.25 ng
RT: 11.73 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:167 Resp: 83714

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.2
139	14.3	11.4	17.0

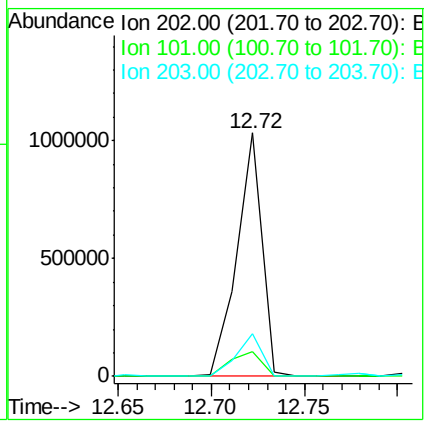




#74
Fluoranthene
Concen: 45.93 ng
RT: 12.72 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:202 Resp: 975383

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.8
203	17.6	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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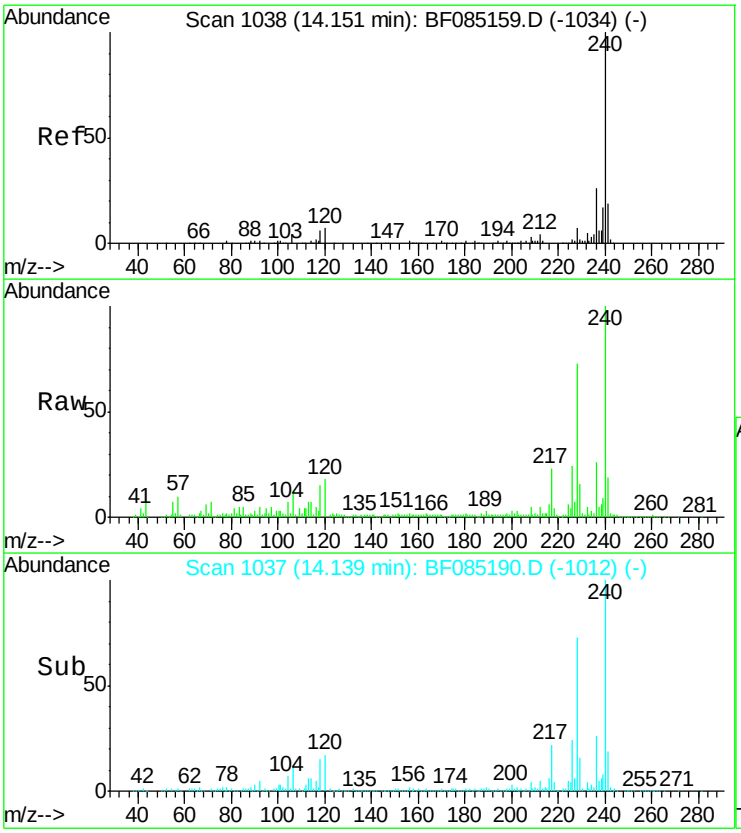
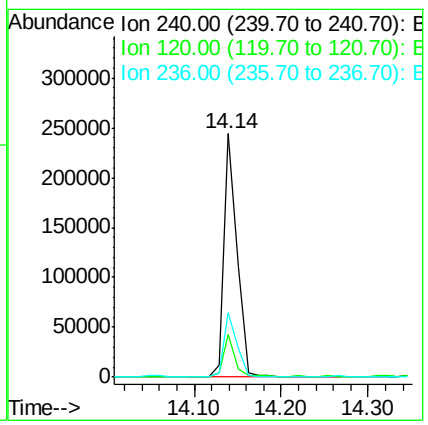
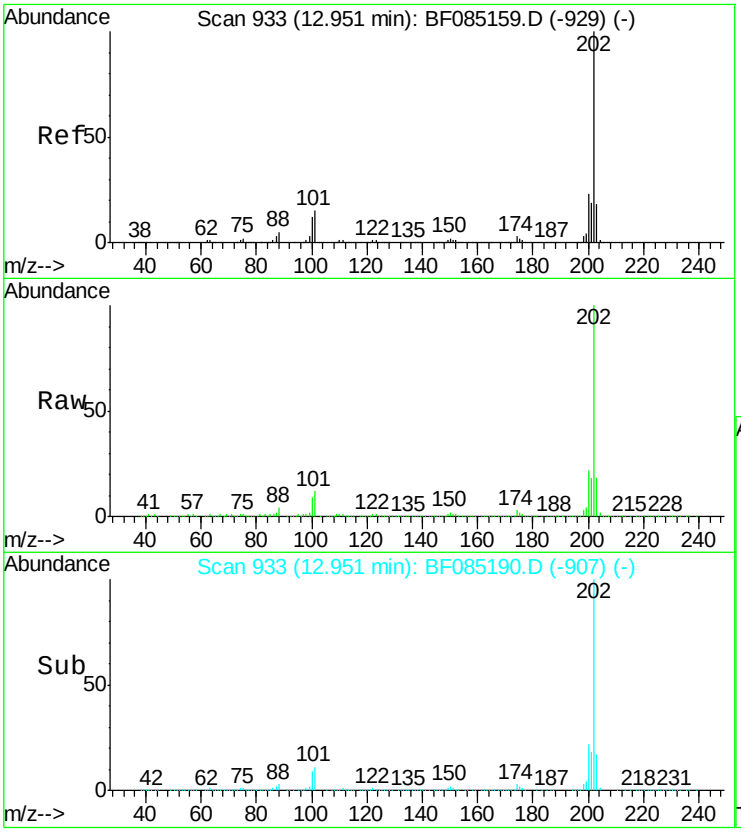


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:240 Resp: 256244

Ion	Ratio	Lower	Upper
240	100		
120	17.6	5.3	7.9#
236	26.4	20.7	31.1

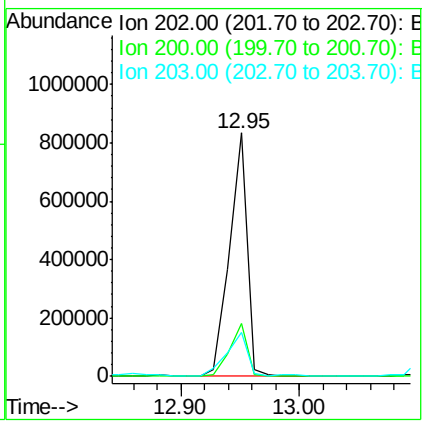




#77
Pyrene
Concen: 44.31 ng
RT: 12.95 min Scan# 933
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:202 Resp: 854625

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.2	27.4
203	17.8	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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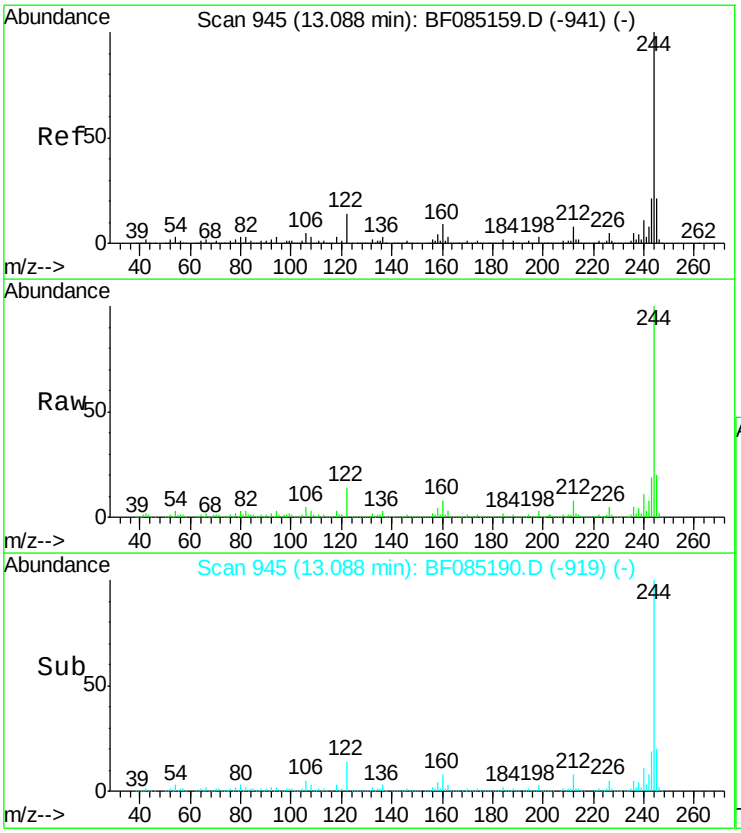
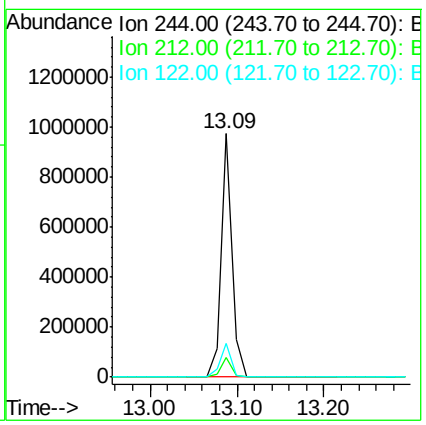
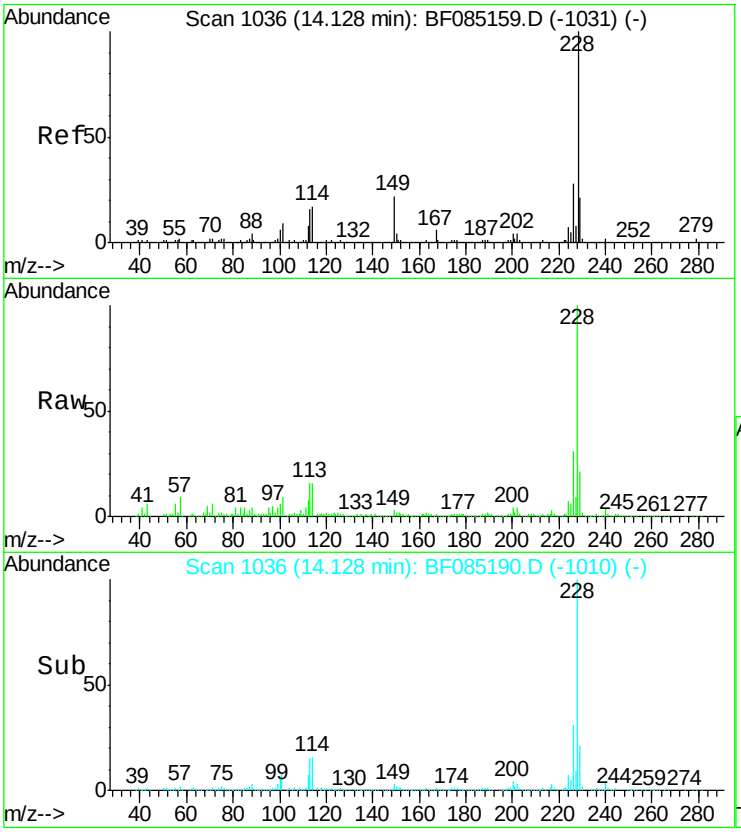


#78
Terphenyl-d14
Concen: 77.68 ng
RT: 13.09 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:244 Resp: 857443

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	14.1	11.4	17.2

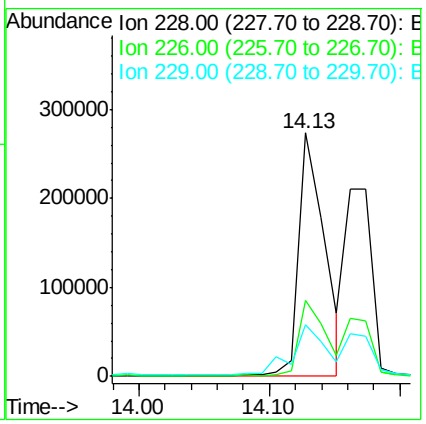




#80
Benzo(a)anthracene
Concen: 24.43 ng
RT: 14.13 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:228 Resp: 374741

Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.8	34.2
229	21.2	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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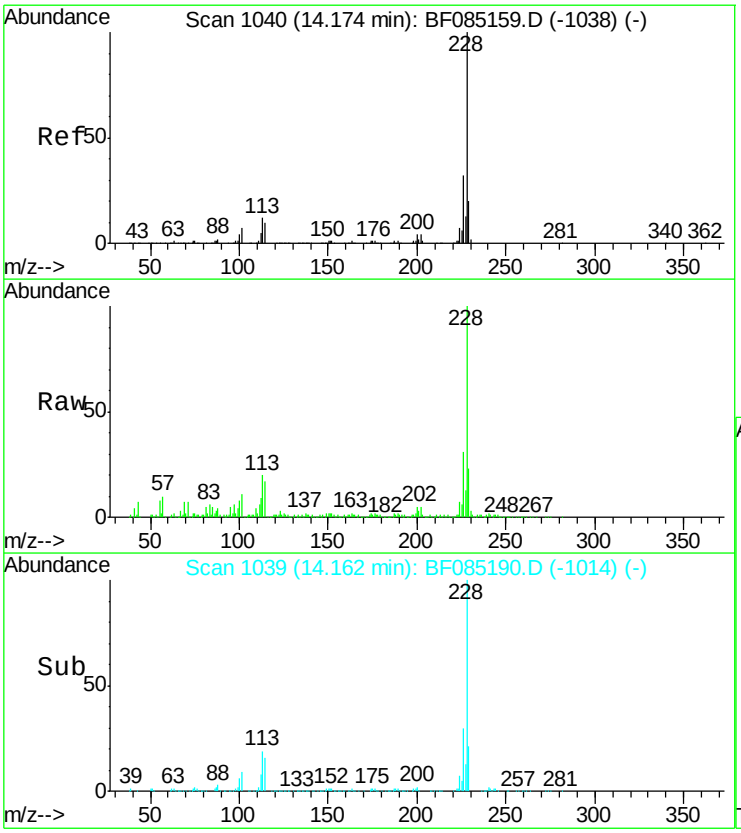
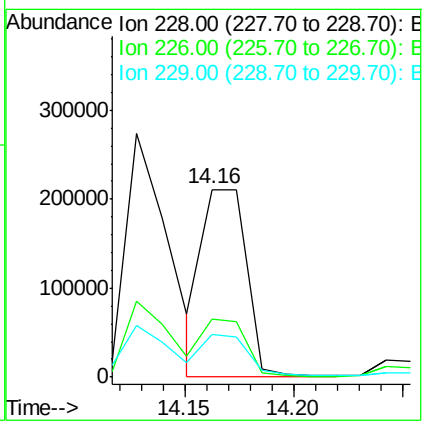
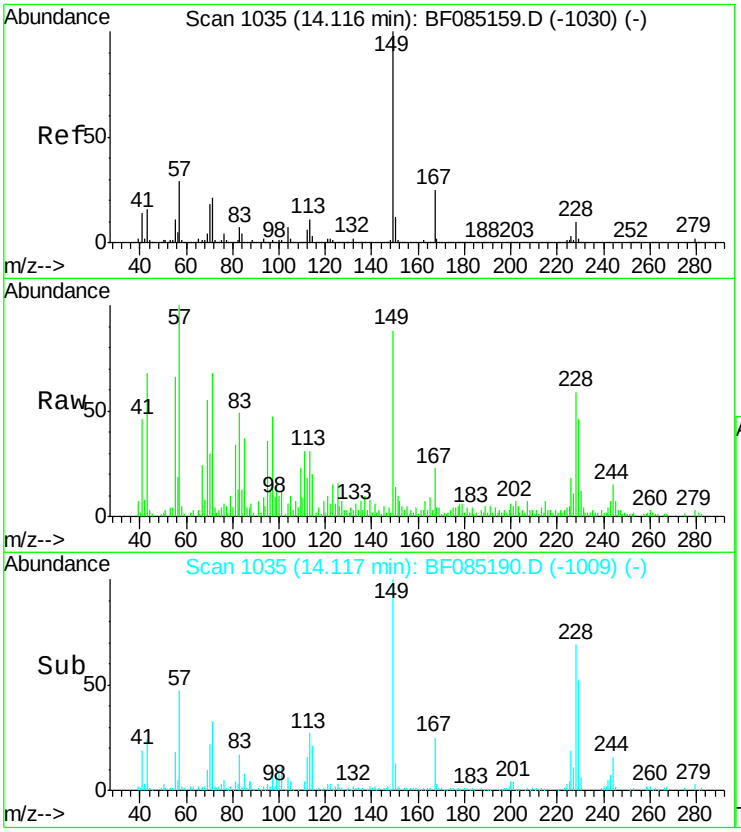


#82
Chrysene
Concen: 20.89 ng
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:228 Resp: 295978

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.2	37.8
229	22.5	16.0	24.0





#83
Bis(2-ethylhexyl)phthalate
Concen: 2.05 ng
RT: 14.12 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:149 Resp: 23574

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.3	30.5
279	3.1	1.9	2.9#

Instrument :
BNA_F
ClientSampleId :
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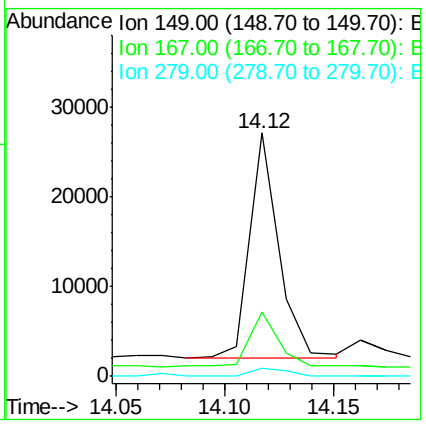
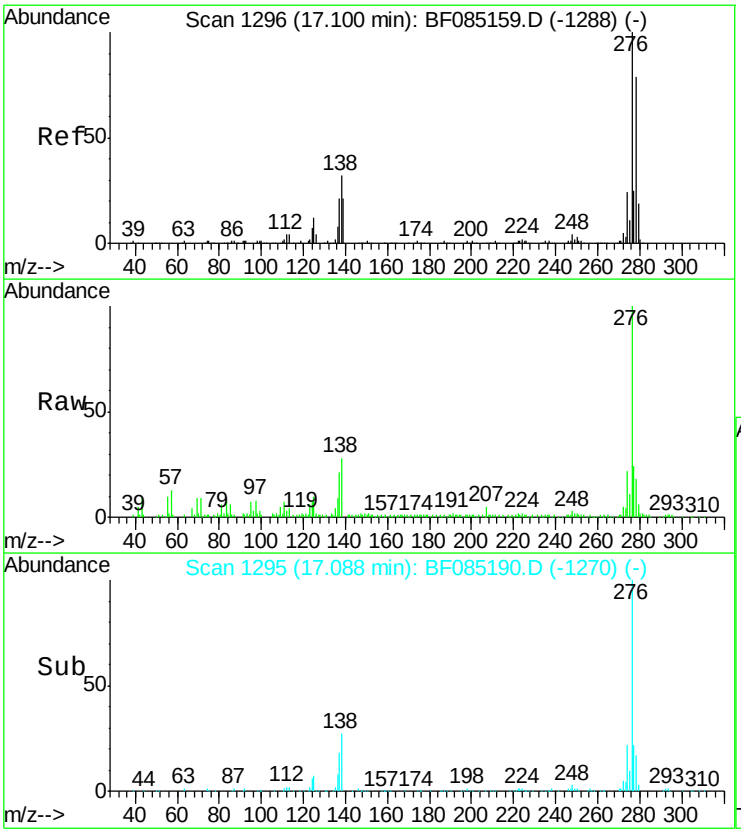
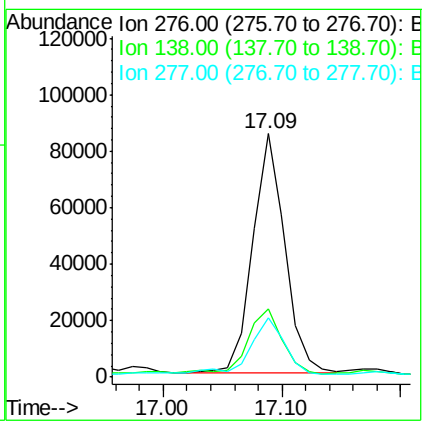


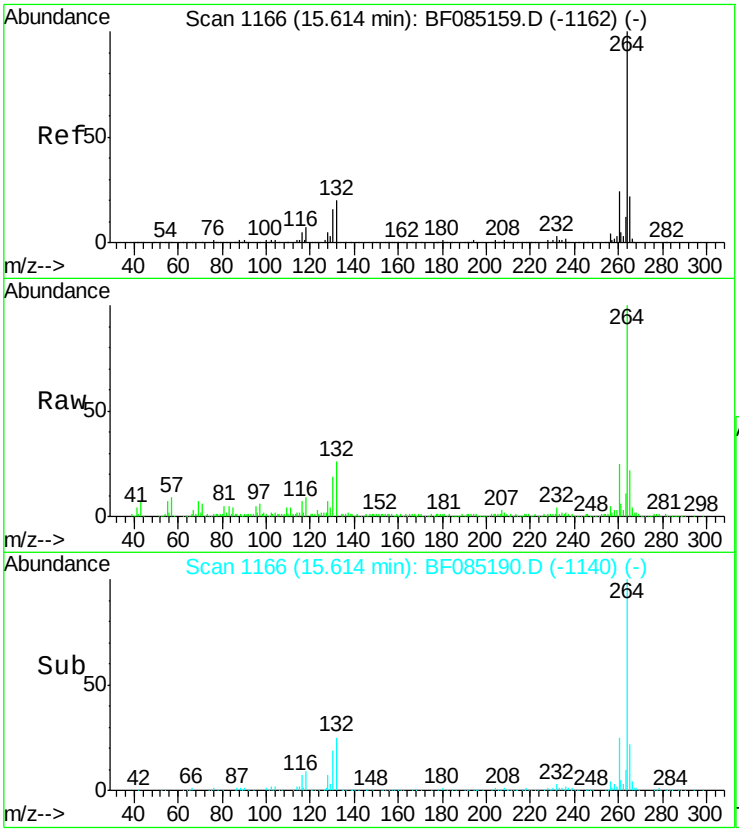


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.53 ng
RT: 17.09 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:276 Resp: 160669

Ion	Ratio	Lower	Upper
276	100		
138	28.6	26.4	39.6
277	25.4	20.2	30.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:264 Resp: 271787

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.5	17.3	25.9

Instrument :
BNA_F
ClientSampleId :
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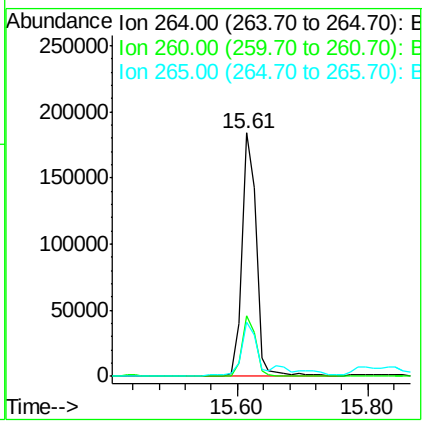
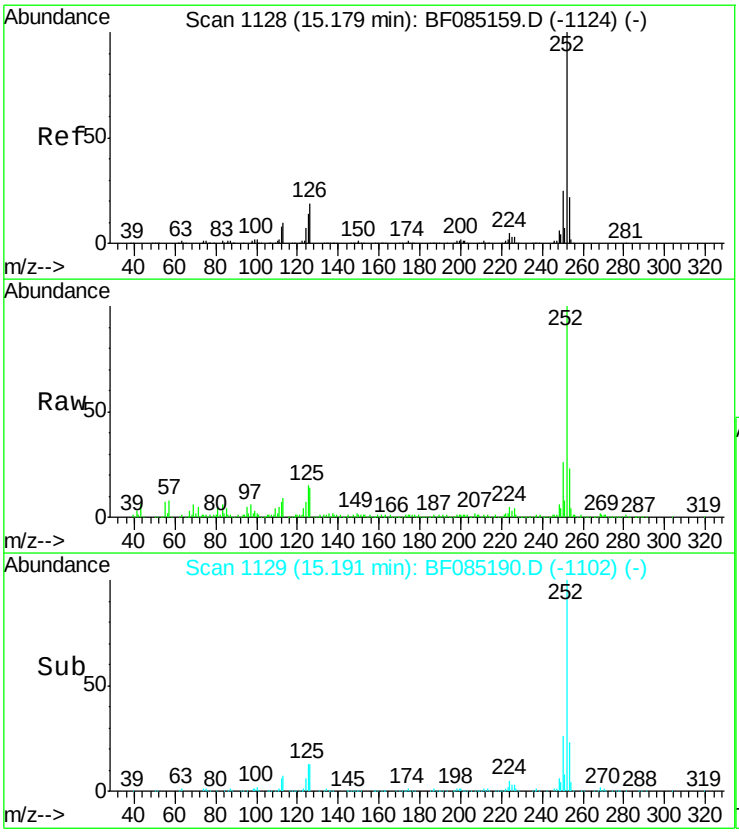
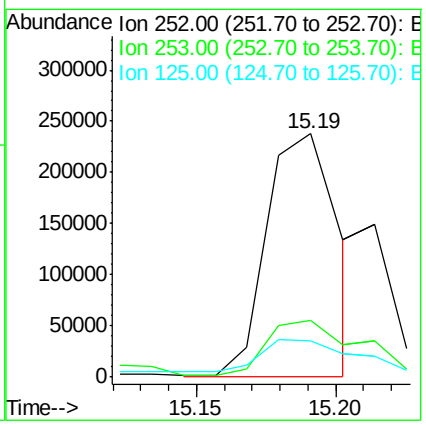


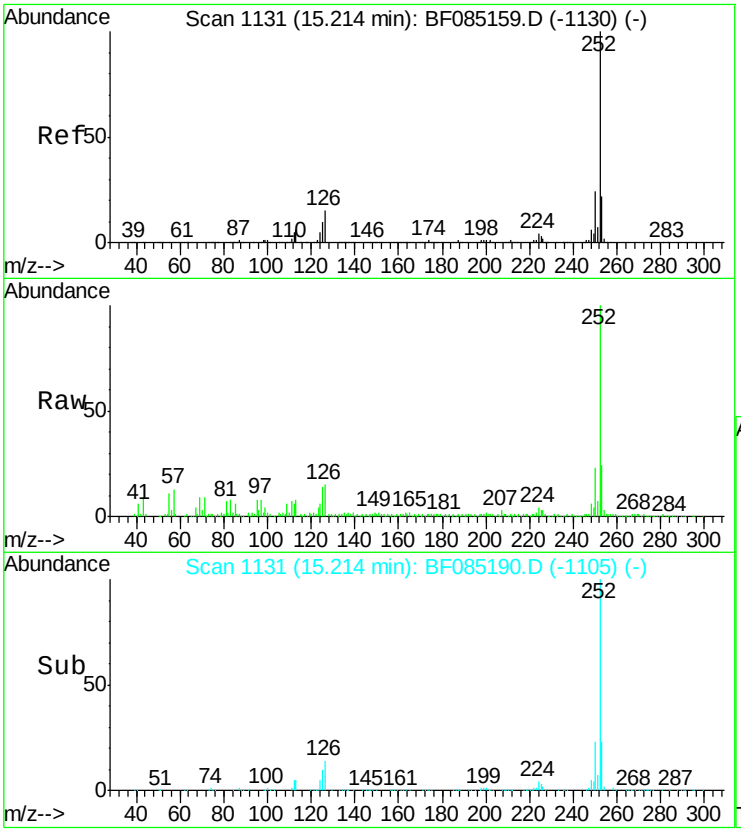


#87
Benzo(b)fluoranthene
Concen: 23.44 ng m
RT: 15.19 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:252 Resp: 424581

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	14.9	11.3	16.9

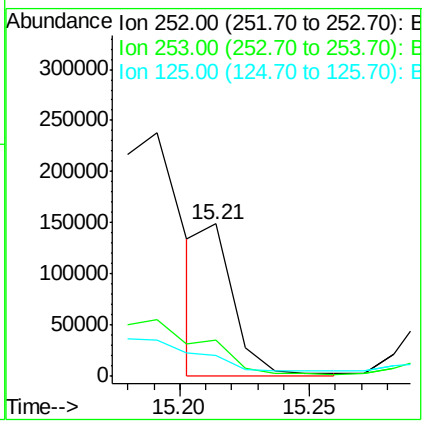




#88
Benzo(k)fluoranthene
Concen: 8.81 ng m
RT: 15.21 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:252 Resp: 128790

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	14.0	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
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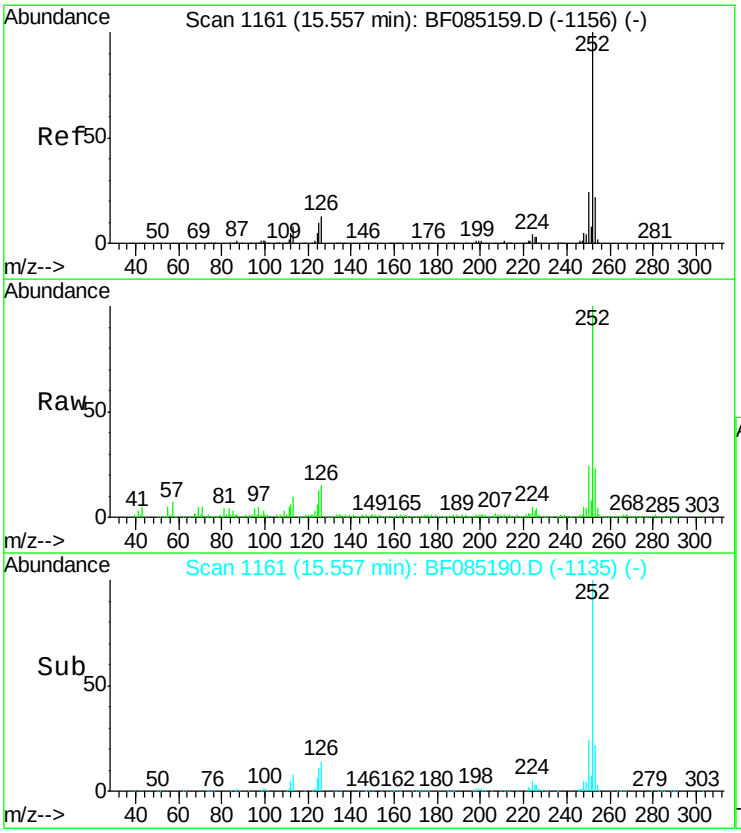
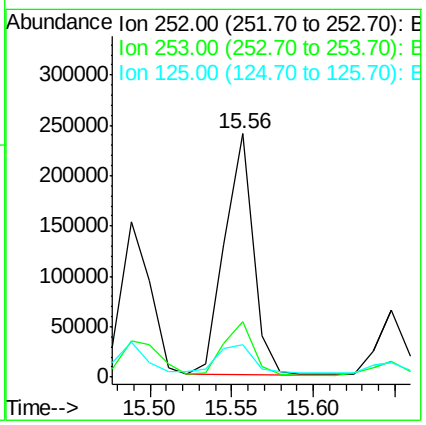
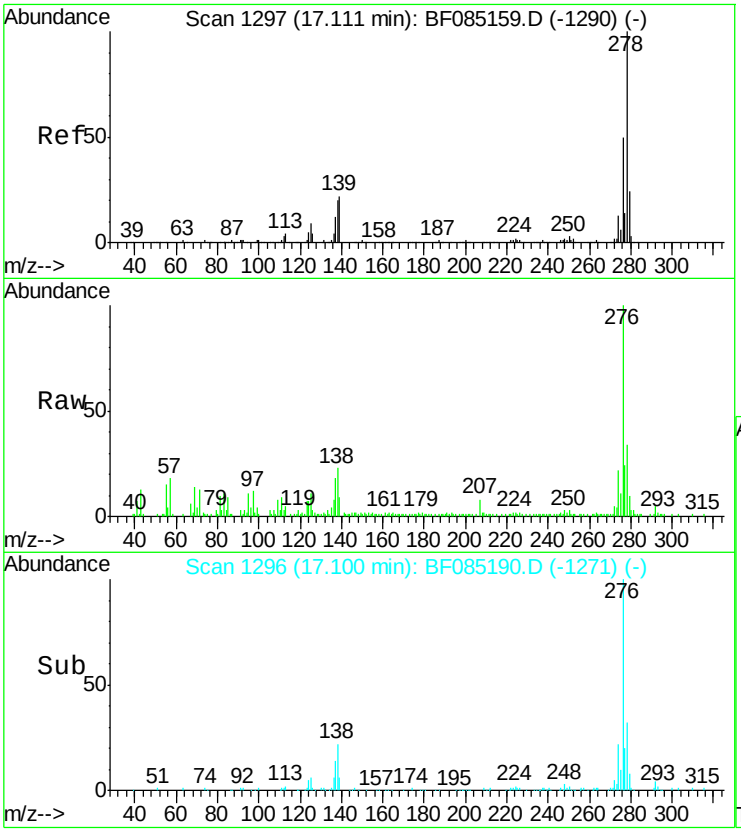


#89
Benzo(a)pyrene
Concen: 19.44 ng
RT: 15.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:252 Resp: 291781

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	13.1	8.2	12.4#

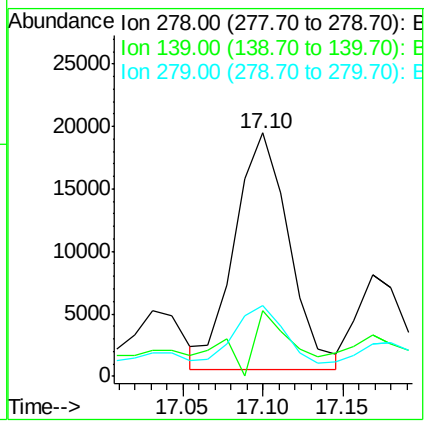




#90
Dibenzo(a,h)anthracene
Concen: 3.50 ng m
RT: 17.10 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:278 Resp: 44810

Ion	Ratio	Lower	Upper
278	100		
139	27.2	17.3	25.9#
279	29.3	19.2	28.8#



Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

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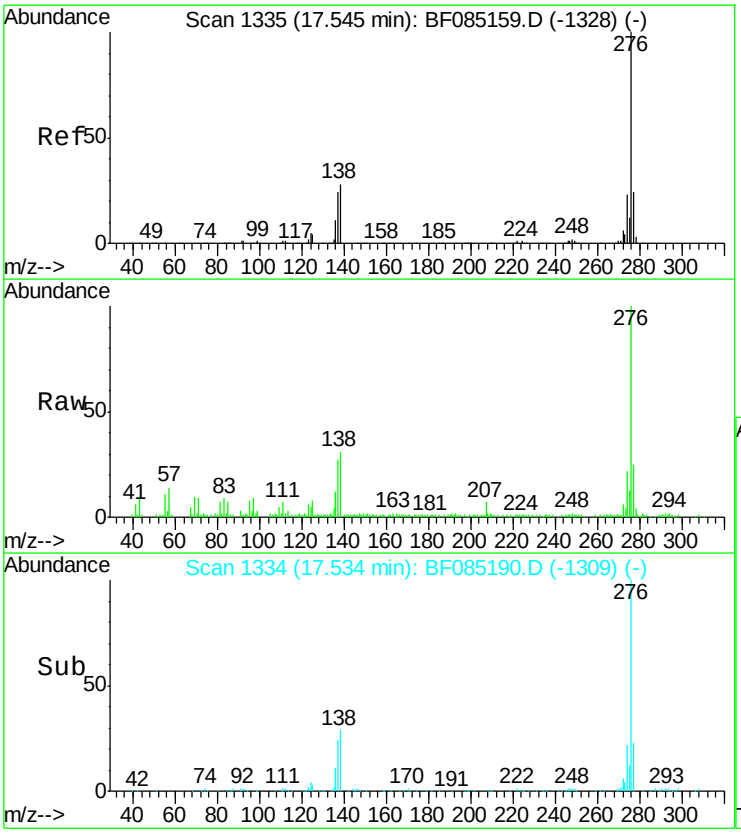

#91
Benzo(g,h,i)perylene
Concen: 11.58 ng
RT: 17.53 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF085190.D
Acq: 4 Mar 2016 7:00

Tgt Ion:276 Resp: 149172

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	31.0	22.5	33.7