Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085249.D
Acq On : 5 Mar 2016 12:48
Operator : SJ/IZ
Sample : H1675-09 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-005(0-2)

Manual Integrations APPROVED
UMANGI
3/7/2016 9:33:45 AM

Quant Time: Mar 07 07:33:05 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	6.97	152	26831	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	107443	20.00	ng		-0.01
38) Acenaphthene-d10	10.01	164	38315	20.00	ng		-0.01
63) Phenanthrene-d10	11.50	188	70856	20.00	ng		-0.01
75) Chrysene-d12	14.13	240	50683	20.00	ng		-0.02
86) Perylene-d12	15.60	264	46864	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	172038	107.55	ng		-0.01
7) Phenol-d6	6.58	99	242959	115.93	ng		-0.02
23) Nitrobenzene-d5	7.52	82	124478	62.00	ng		-0.02
41) 2,4,6-Tribromophenol	10.80	330	17353	52.93	ng		-0.01
44) 2-Fluorobiphenyl	9.33	172	256439	101.79	ng		-0.02
78) Terphenyl-d14	13.08	244	161556	74.00	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.28	128	28489	5.39	ng		97
48) Acenaphthylene	9.88	152	15795	4.07	ng		98
49) Dimethylphthalate	9.72	163	23641	8.04	ng		98
51) Acenaphthene	10.05	154	22880	9.70	ng		97
54) Dibenzofuran	10.22	168	18796	6.08	ng		93
57) Fluorene	10.56	166	18233	7.51	ng		99
70) Phenanthrene	11.52	178	289457	77.95	ng		97
71) Anthracene	11.57	178	94569	23.99	ng		99
72) Carbazole	11.73	167	35100	10.15	ng		99
74) Fluoranthene	12.71	202	471096	126.42	ng		97
77) Pyrene	12.94	202	426072	111.69	ng		98
80) Benzo(a)anthracene	14.12	228	227374	74.94	ng		98
82) Chrysene	14.16	228	186850	66.66	ng		97
85) Indeno(1,2,3-cd)pyrene	17.08	276	91695	41.92	ng		91
87) Benzo(b)fluoranthene	15.18	252	261199m	83.62	ng		
88) Benzo(k)fluoranthene	15.20	252	87680m	34.80	ng		
89) Benzo(a)pyrene	15.55	252	149884	57.90	ng	#	96
90) Dibenzo(a,h)anthracene	17.09	278	22026	9.97	ng	#	85
91) Benzo(g,h,i)perylene	17.52	276	83054	37.38	ng		98

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

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Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Manual Integrations APPROVED
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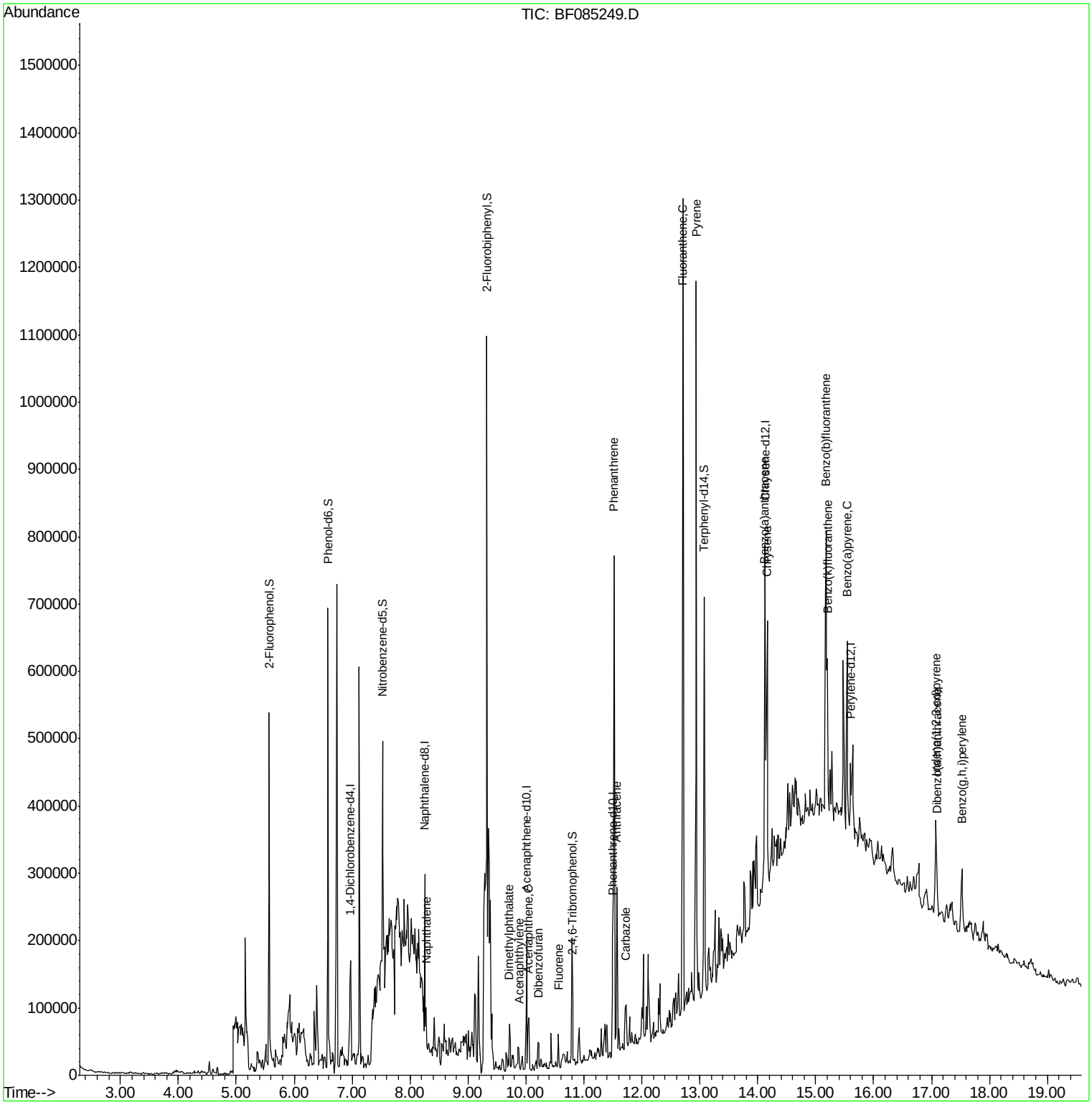
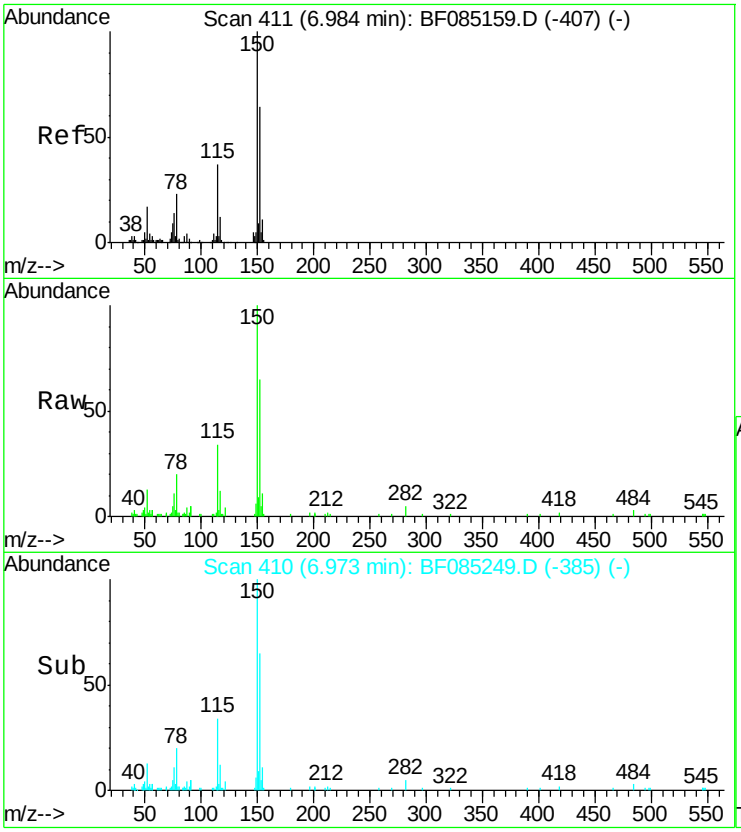
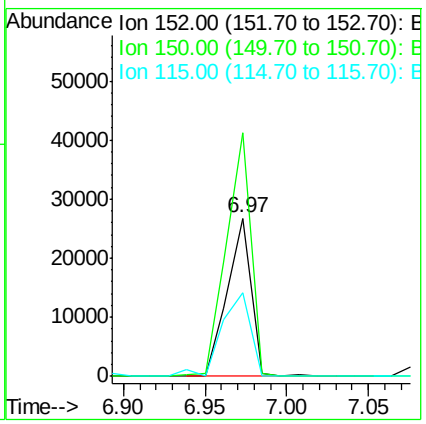




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:152 Resp: 26831

Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	53.0	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Manual Integrations APPROVED
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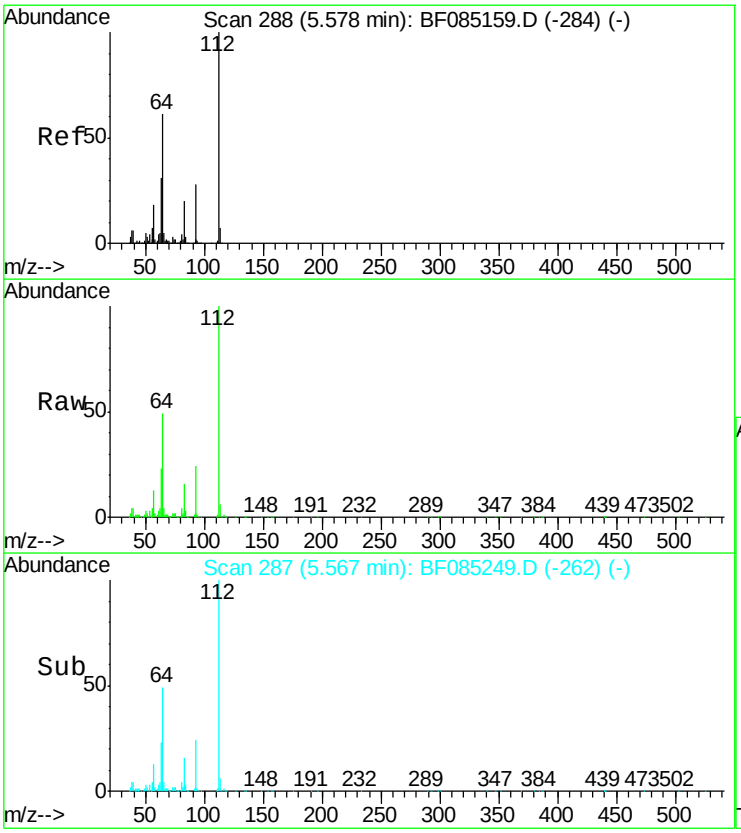
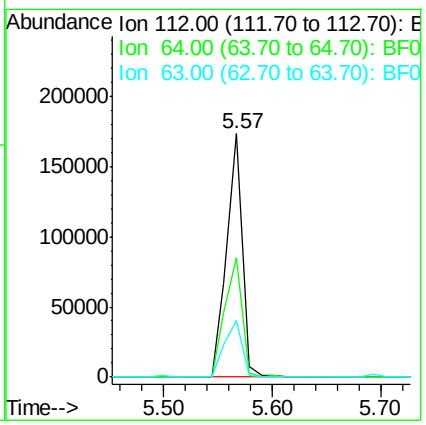
3/7/2016 9:33:45 AM

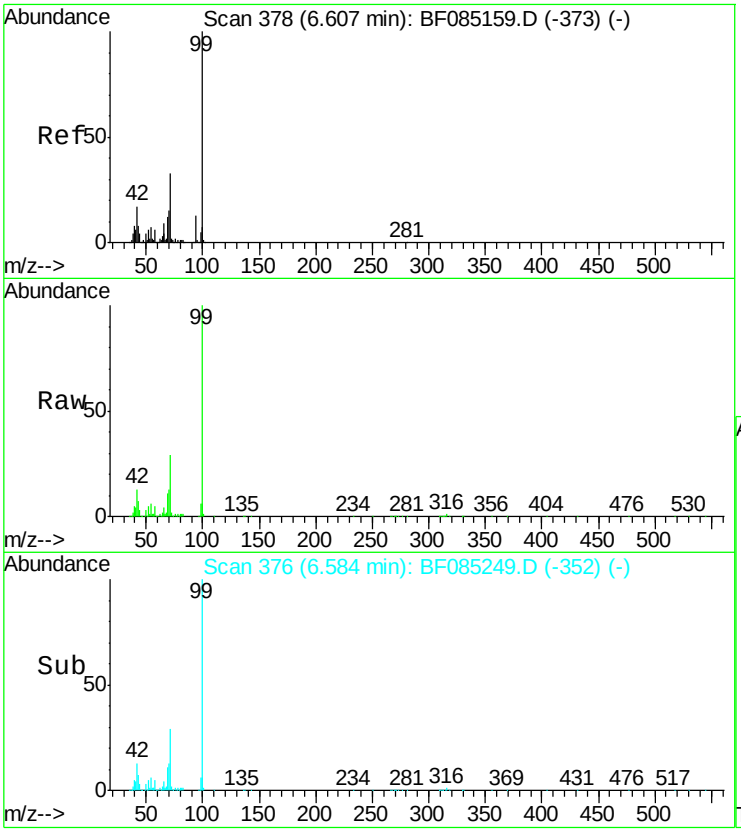


#5
2-Fluorophenol
Concen: 107.55 ng
RT: 5.57 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:112 Resp: 172038

Ion	Ratio	Lower	Upper
112	100		
64	49.0	49.0	73.4
63	23.1	24.8	37.2#

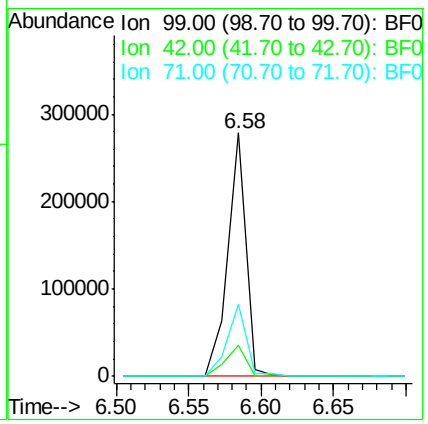




#7
Phenol-d6
Concen: 115.93 ng
RT: 6.58 min Scan# 376
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion: 99 Resp: 242959

Ion	Ratio	Lower	Upper
99	100		
42	13.0	13.6	20.4#
71	29.4	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Manual Integrations APPROVED
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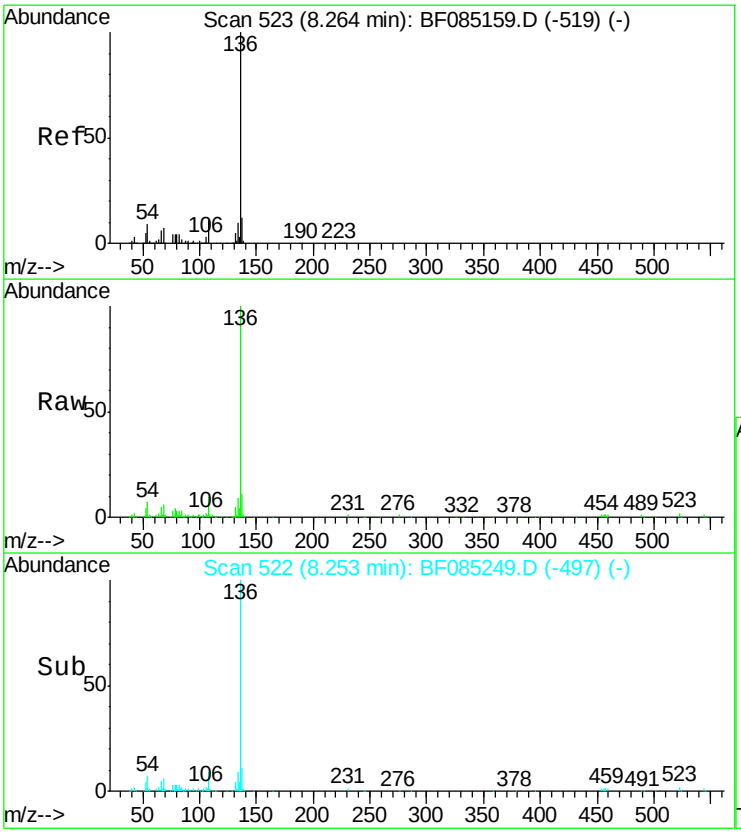
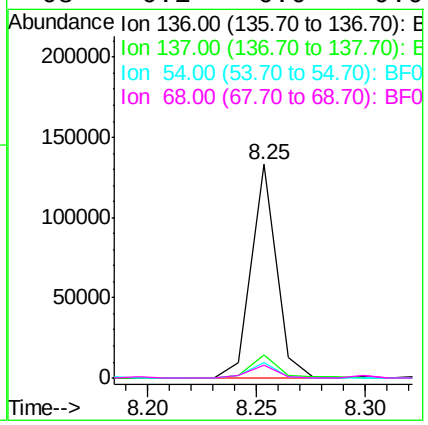
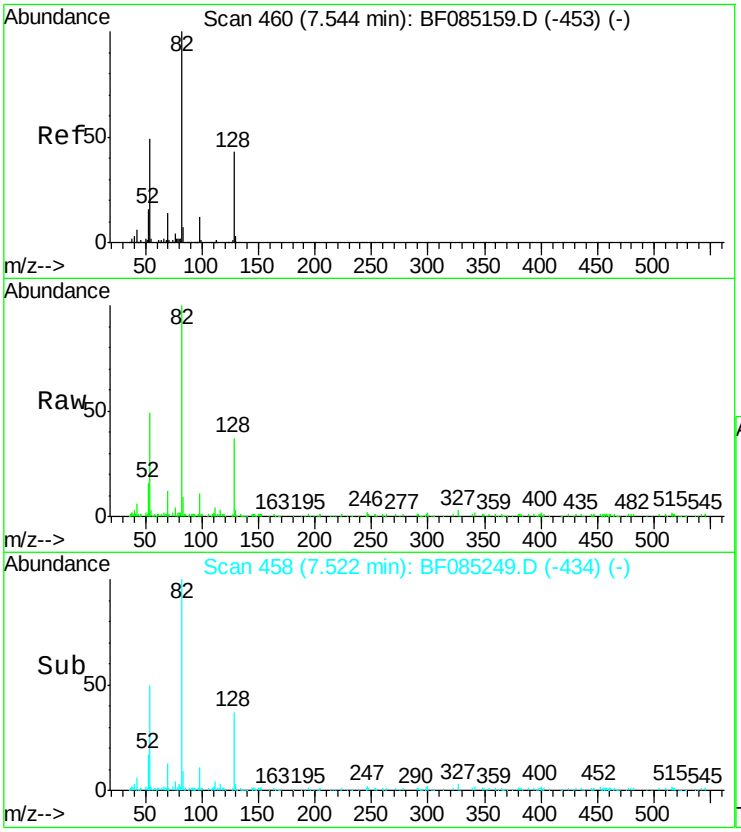


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:136 Resp: 107443

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	7.0	7.4	11.2#
68	6.1	6.0	9.0

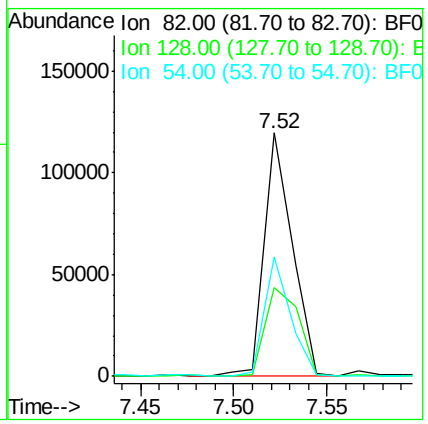




#23
Nitrobenzene-d5
Concen: 62.00 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion: 82 Resp: 124478

Ion	Ratio	Lower	Upper
82	100		
128	36.7	34.5	51.7
54	49.2	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Manual Integrations APPROVED
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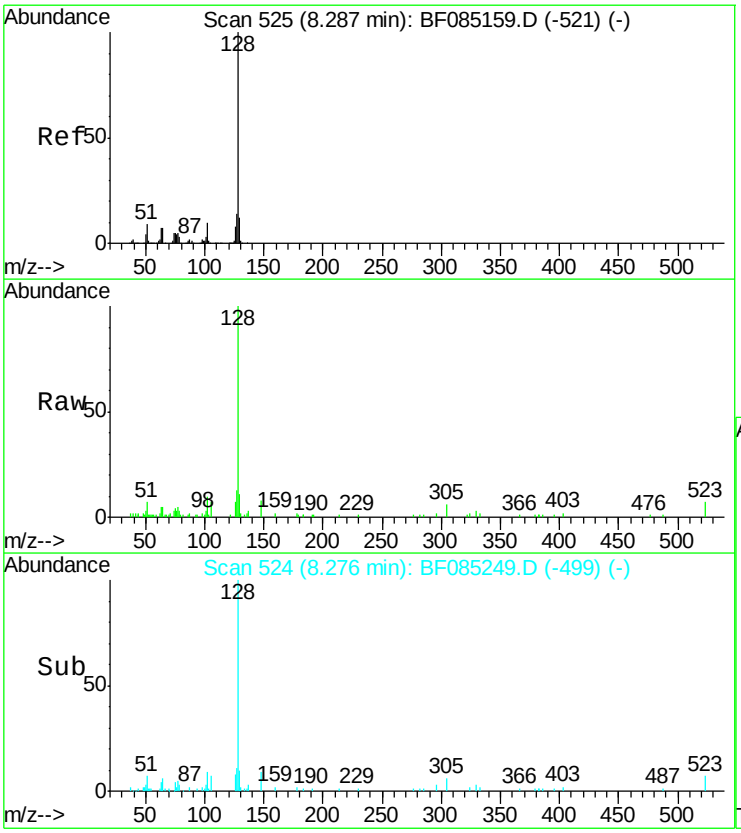
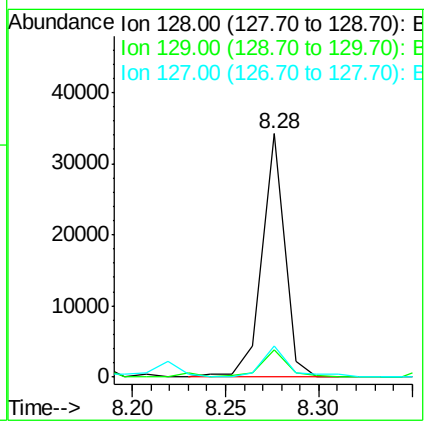
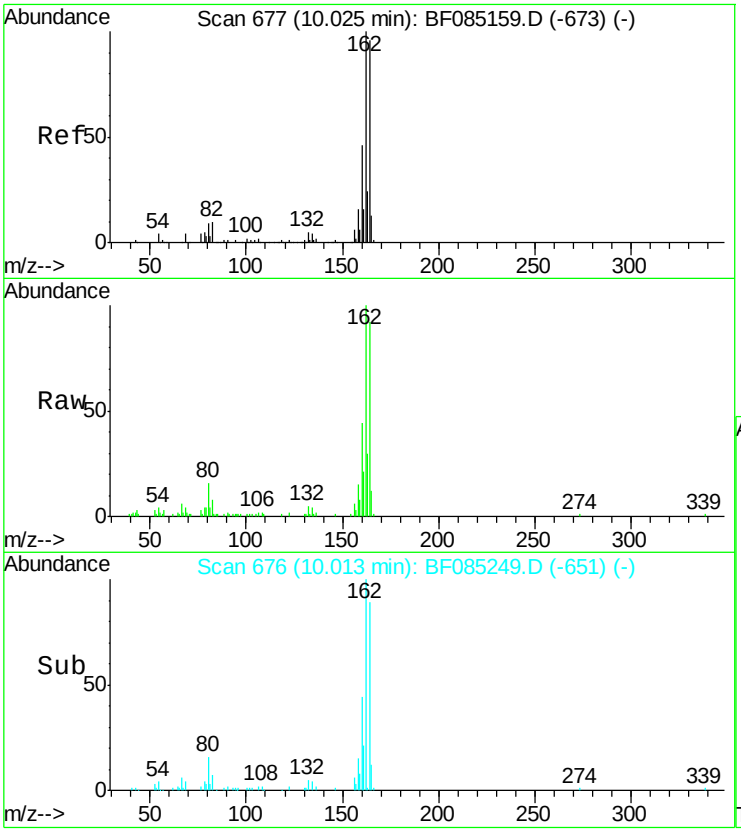


#31
Naphthalene
Concen: 5.39 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:128 Resp: 28489

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.7	14.5
127	12.9	11.2	16.8

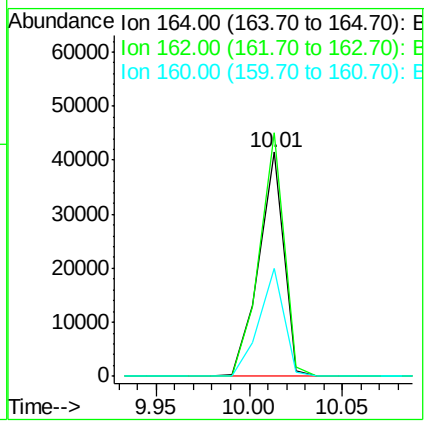




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:164 Resp: 38315

Ion	Ratio	Lower	Upper
164	100		
162	108.7	83.3	124.9
160	48.3	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Manual Integrations APPROVED
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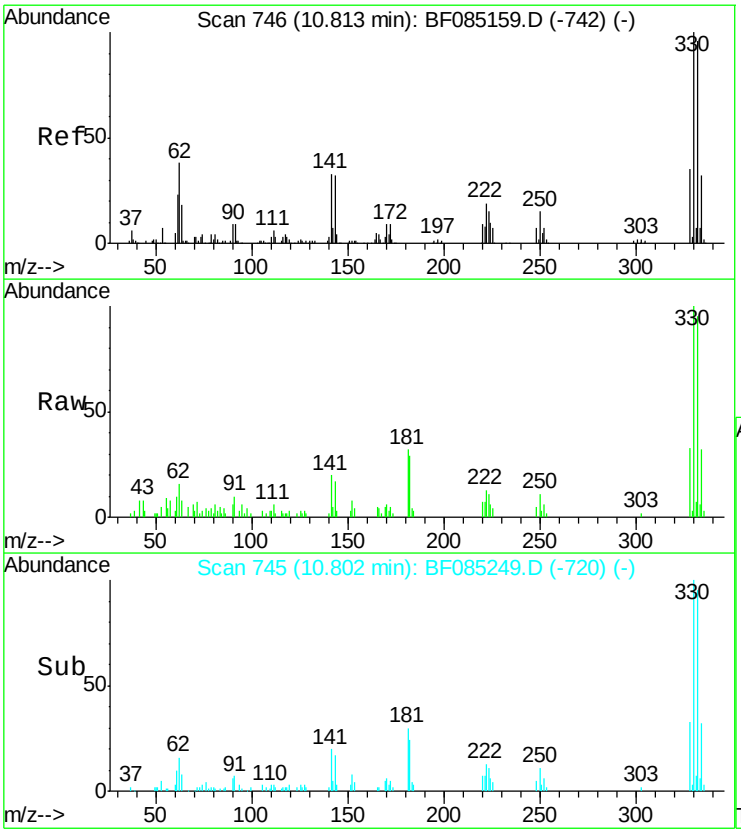
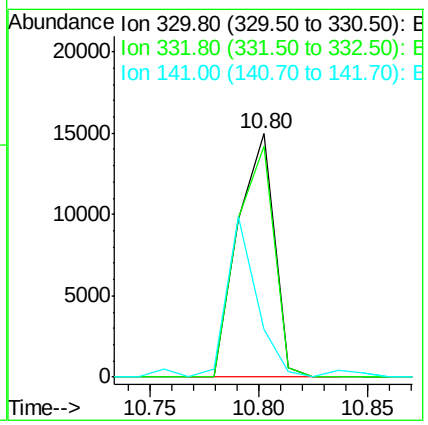
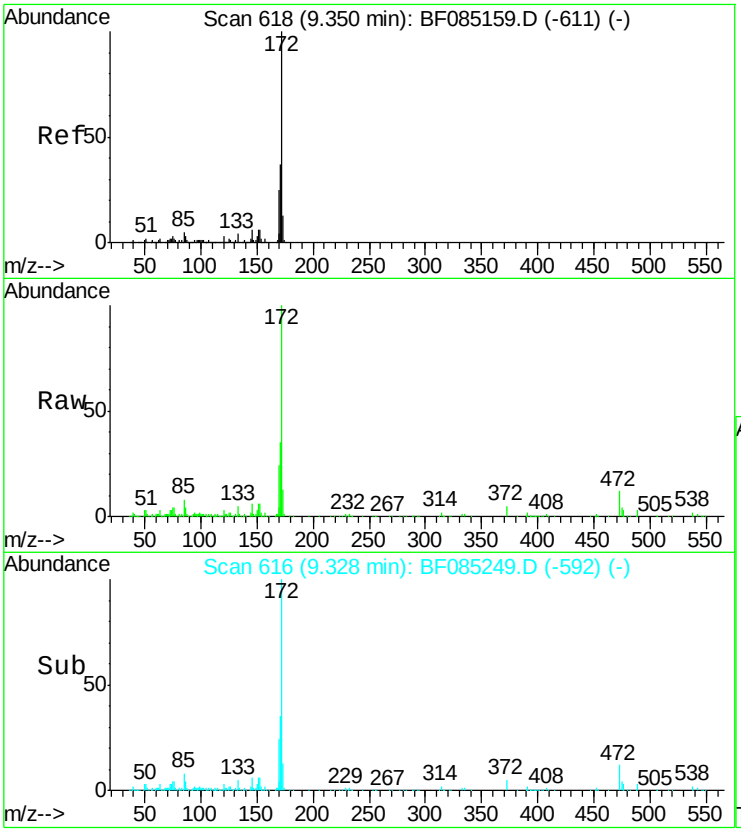


#41
2,4,6-Tribromophenol
Concen: 52.93 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:330 Resp: 17353

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	55.6	35.0	52.6#

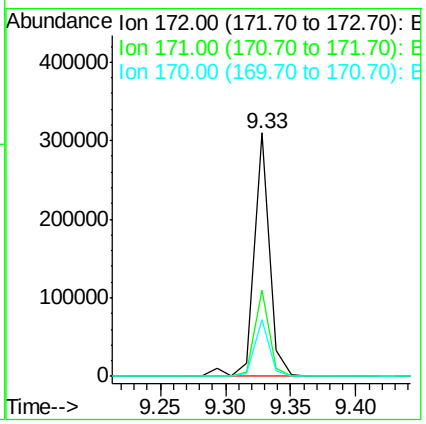




#44
2-Fluorobiphenyl
Concen: 101.79 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:172 Resp: 256439

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

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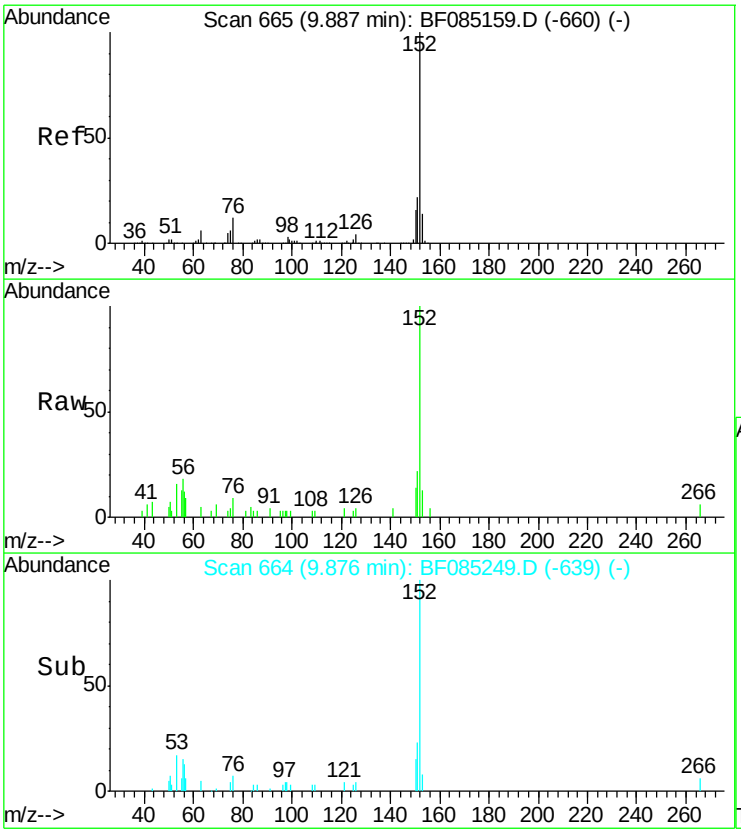
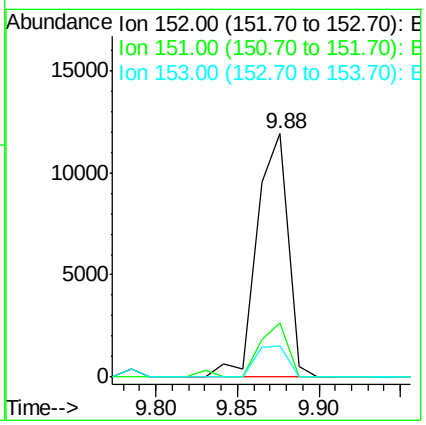
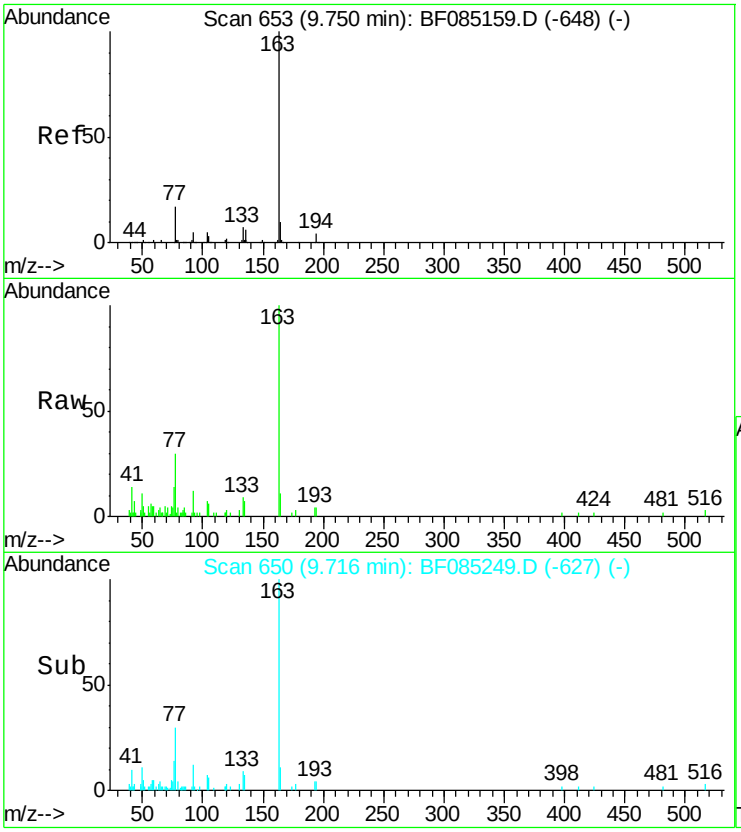


#48
Acenaphthylene
Concen: 4.07 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:152 Resp: 15795

Ion	Ratio	Lower	Upper
152	100		
151	22.3	17.5	26.3
153	12.7	11.3	16.9

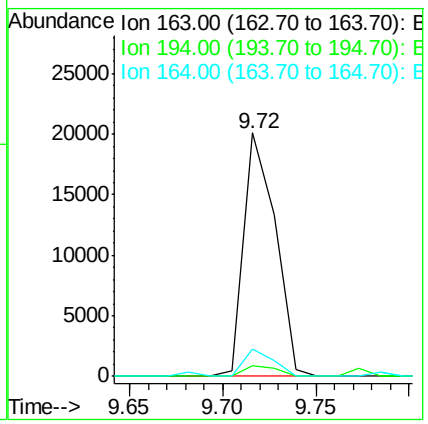




#49
Dimethylphthalate
Concen: 8.04 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:163 Resp: 23641

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.1	4.7
164	11.2	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

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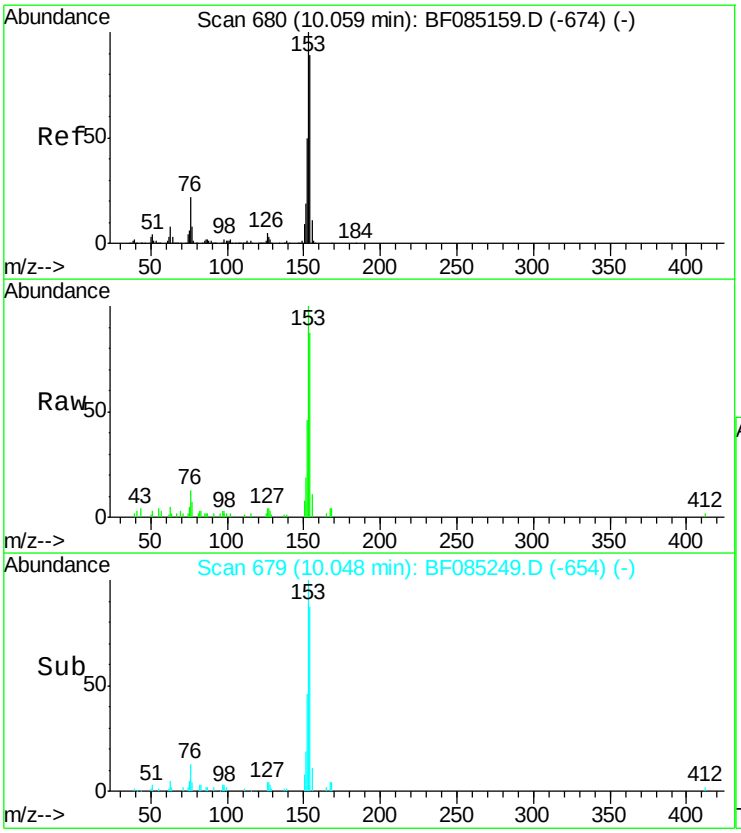
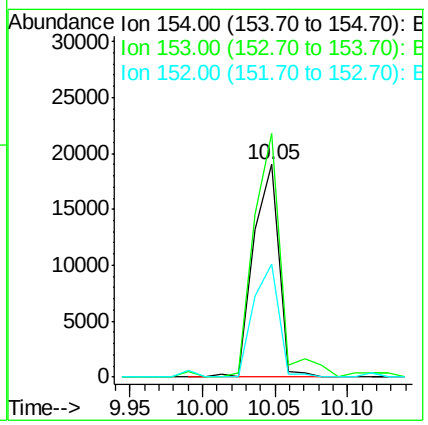
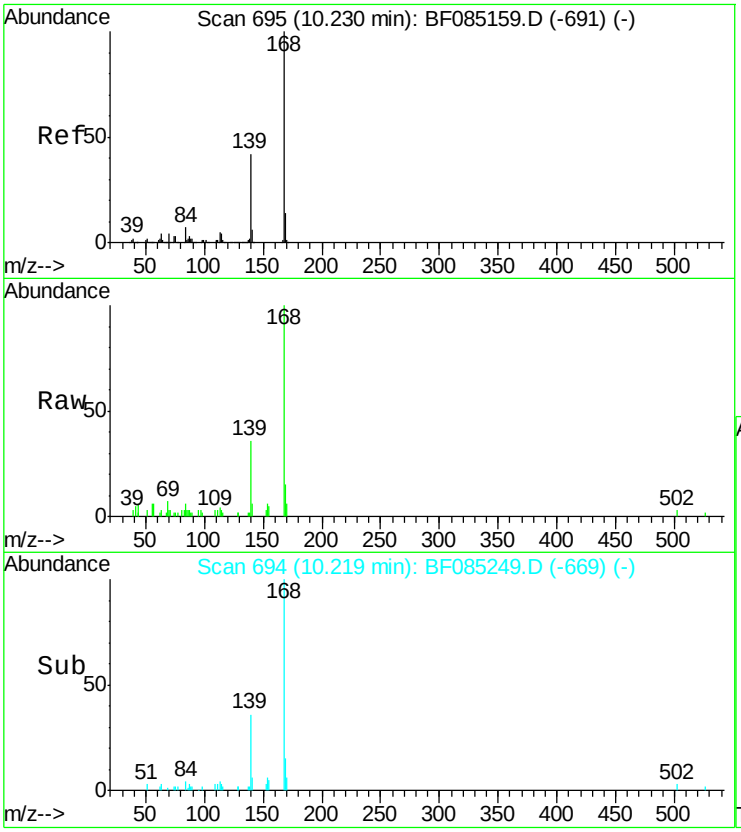


#51
Acenaphthene
Concen: 9.70 ng
RT: 10.05 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:154 Resp: 22880

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.8	134.8
152	53.2	44.6	66.8

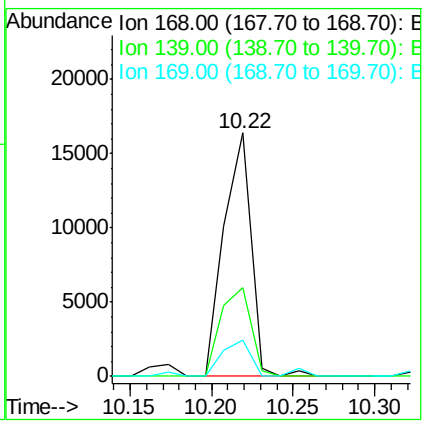




#54
Dibenzofuran
Concen: 6.08 ng
RT: 10.22 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:168 Resp: 18796

Ion	Ratio	Lower	Upper
168	100		
139	36.5	33.6	50.4
169	14.7	11.2	16.8



Instrument :
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SP-005(0-2)

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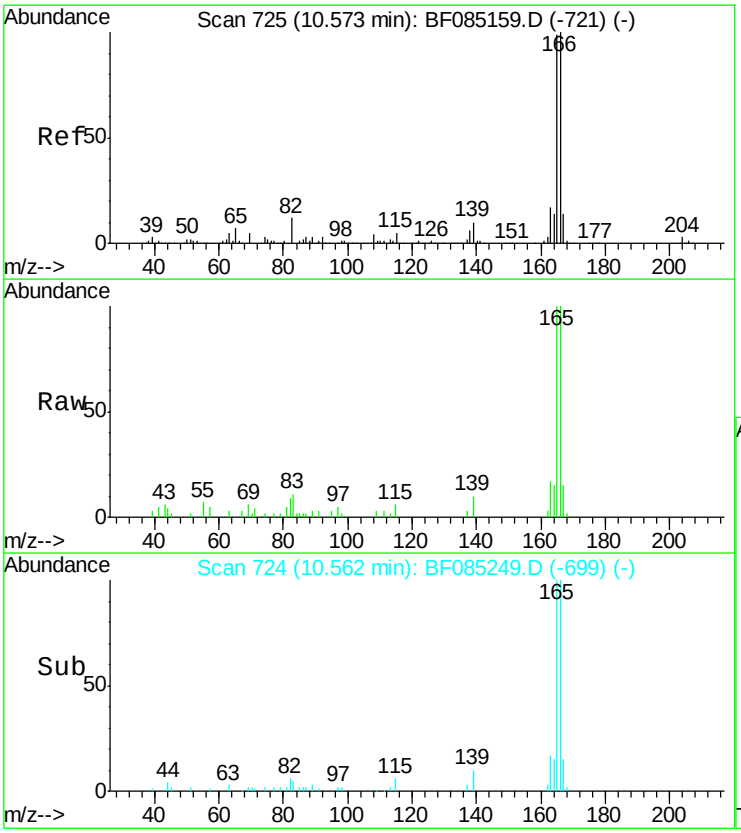
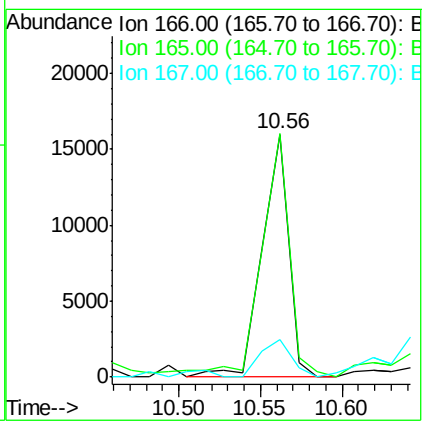
3/7/2016 9:33:45 AM

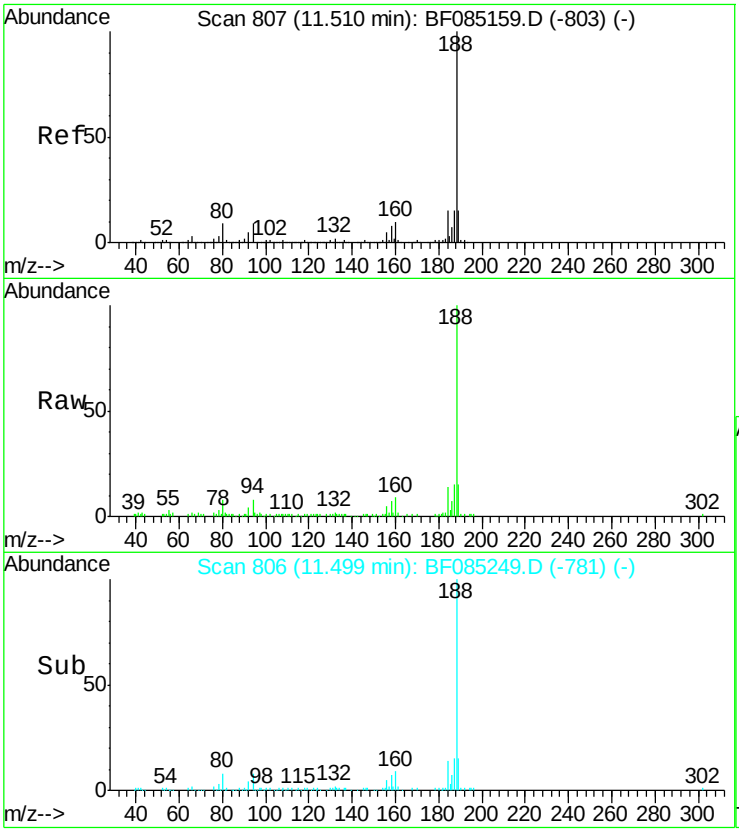


#57
Fluorene
Concen: 7.51 ng
RT: 10.56 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:166 Resp: 18233

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.4	119.0
167	15.5	11.0	16.6

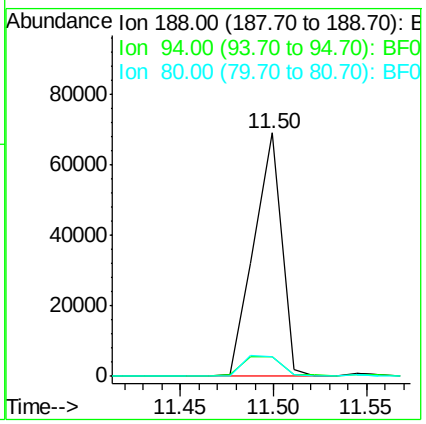




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:188 Resp: 70856

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.6
80	7.9	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

Manual Integrations APPROVED
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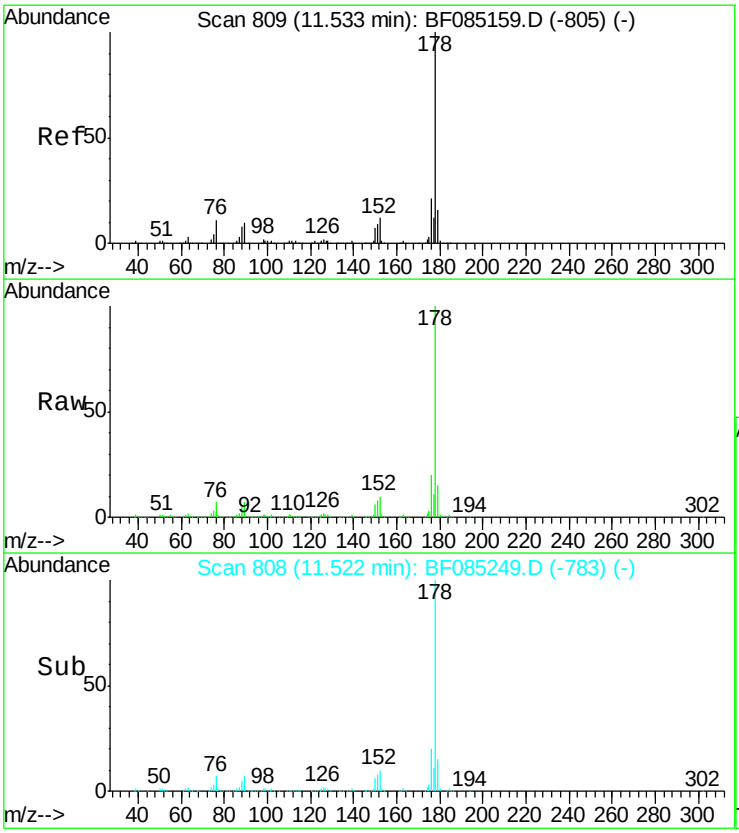
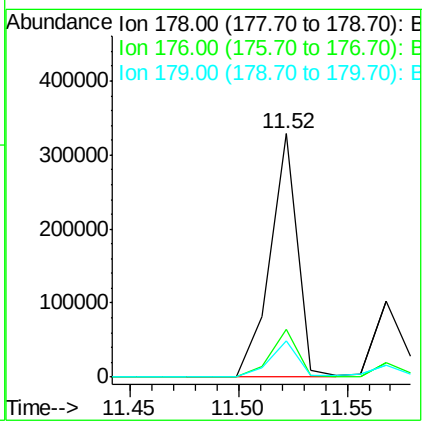
3/7/2016 9:33:45 AM

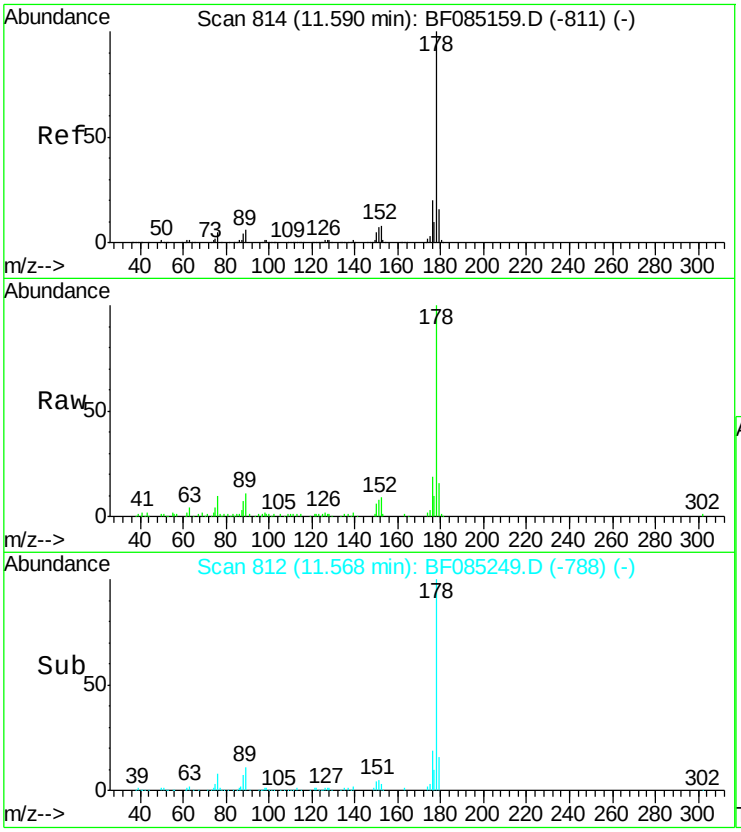


#70
Phenanthrene
Concen: 77.95 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:178 Resp: 289457

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.8	25.2
179	15.0	13.1	19.7

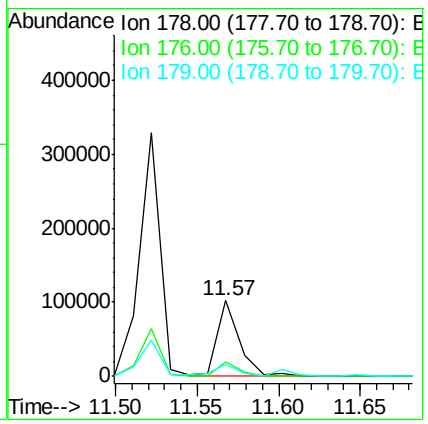




#71
Anthracene
Concen: 23.99 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:178 Resp: 94569

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
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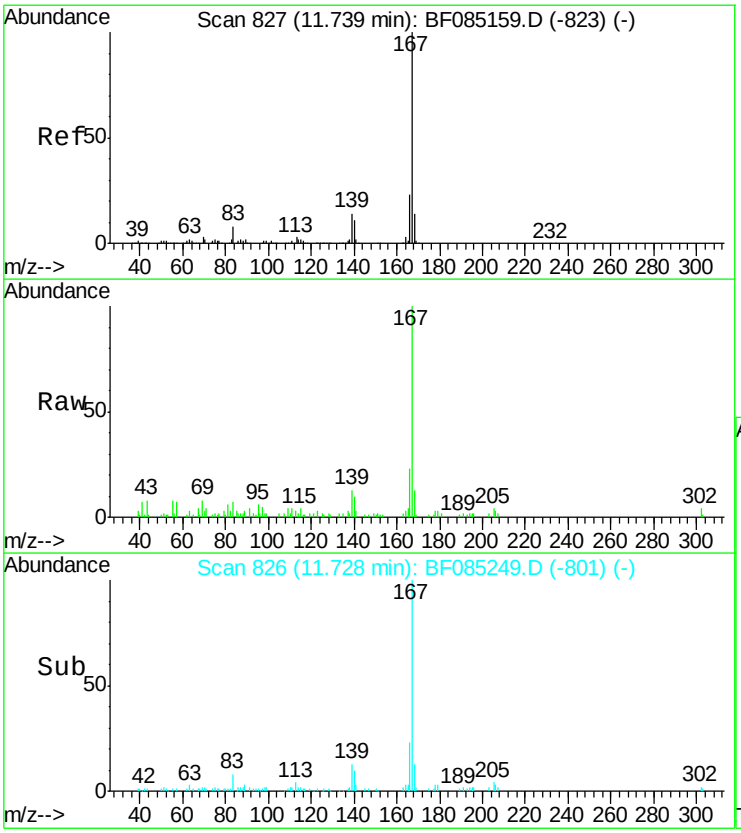
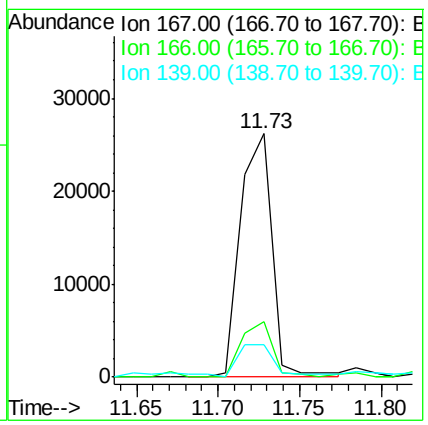
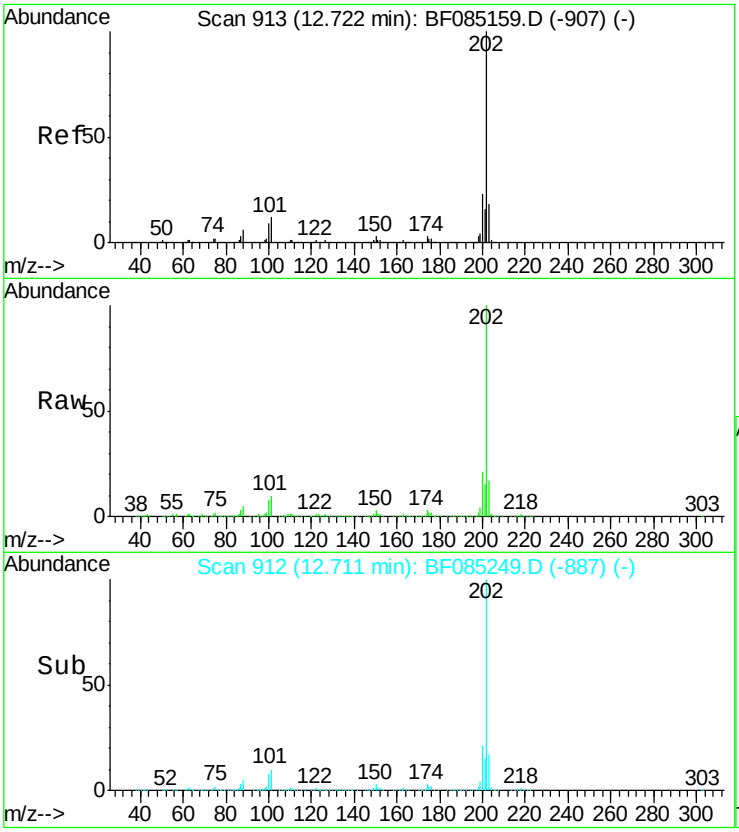


#72
Carbazole
Concen: 10.15 ng
RT: 11.73 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:167 Resp: 35100

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.2
139	13.1	11.4	17.0

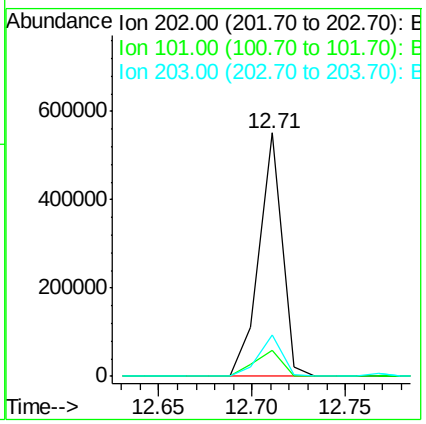




#74
Fluoranthene
Concen: 126.42 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:202 Resp: 471096

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.8
203	17.1	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
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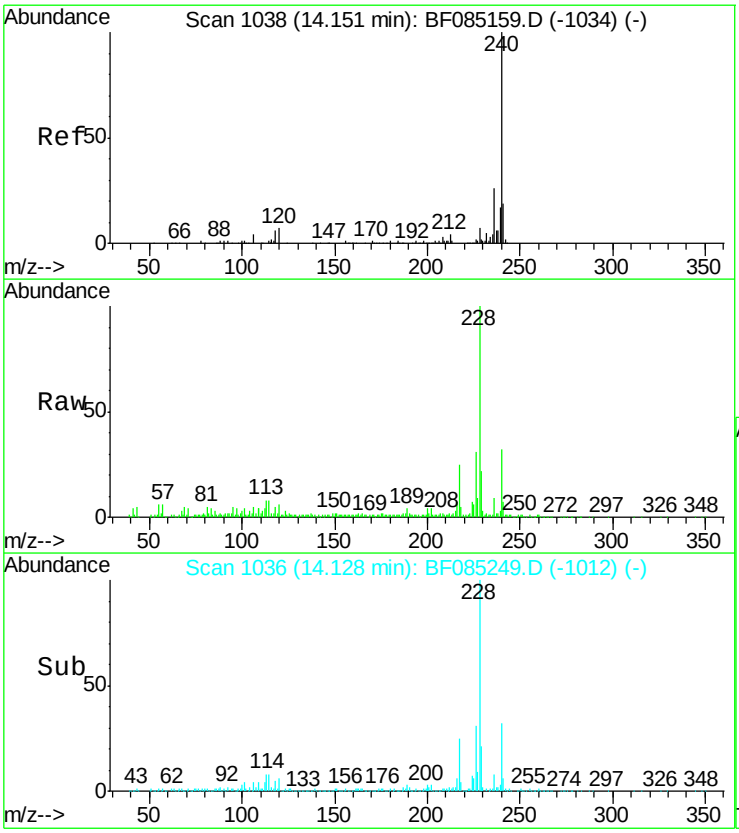
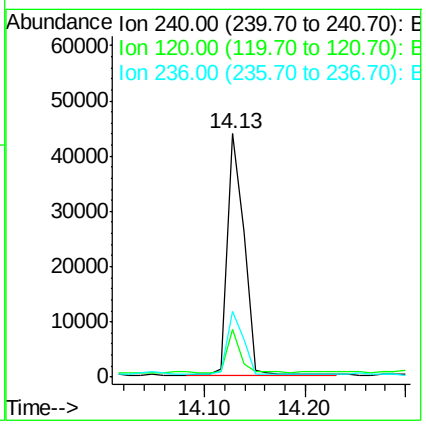
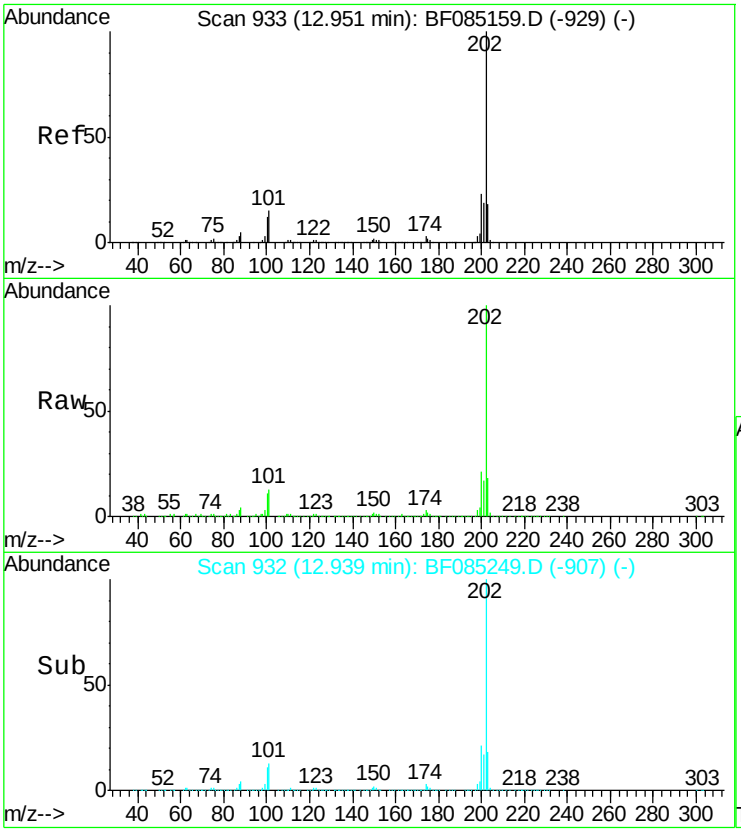


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:240 Resp: 50683

Ion	Ratio	Lower	Upper
240	100		
120	19.8	5.3	7.9#
236	27.0	20.7	31.1

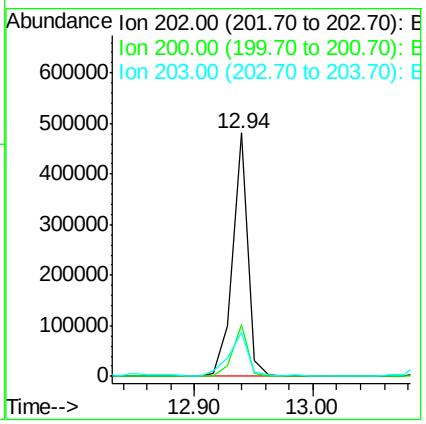




#77
Pyrene
Concen: 111.69 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:202 Resp: 426072

Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.2	27.4
203	17.8	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

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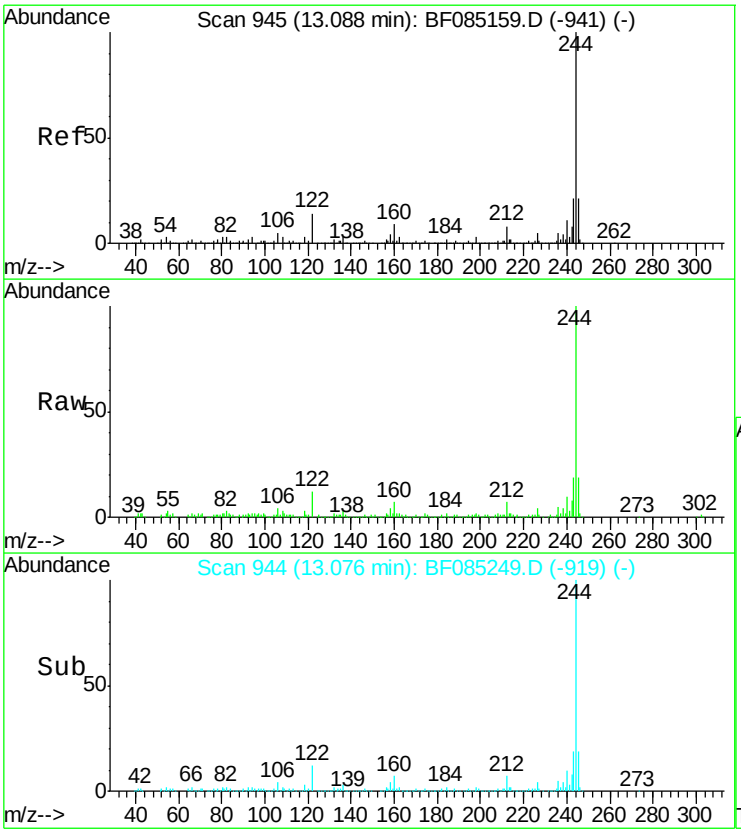
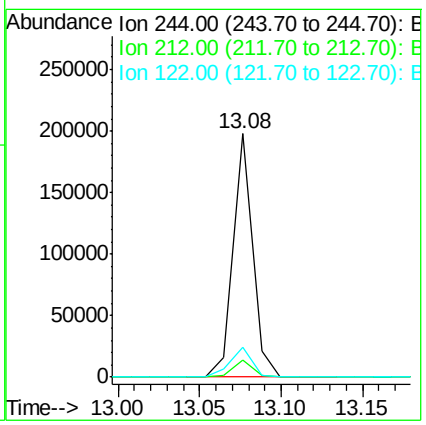
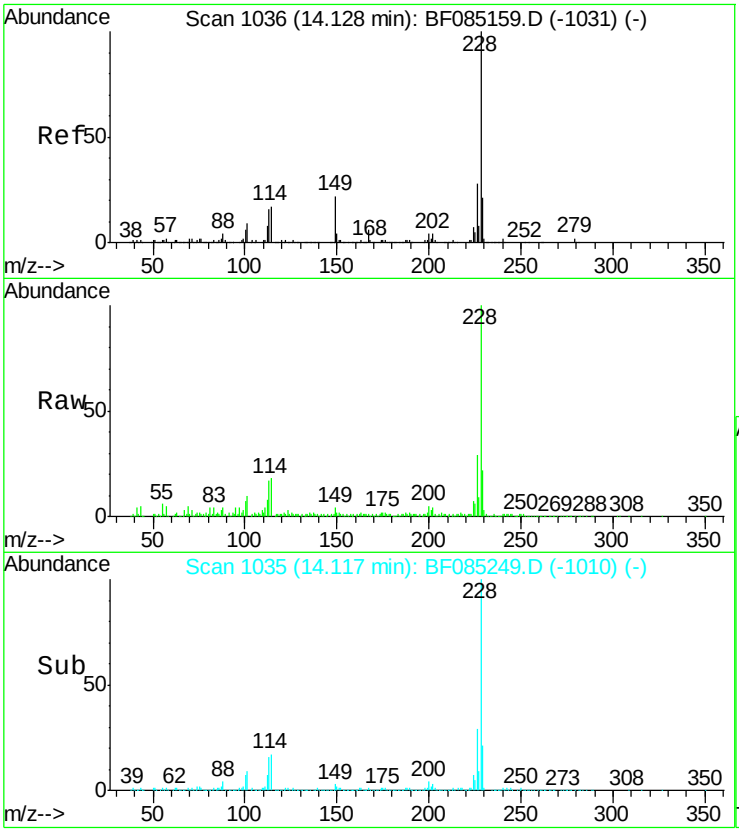


#78
Terphenyl-d14
Concen: 74.00 ng
RT: 13.08 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:244 Resp: 161556

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	12.4	11.4	17.2

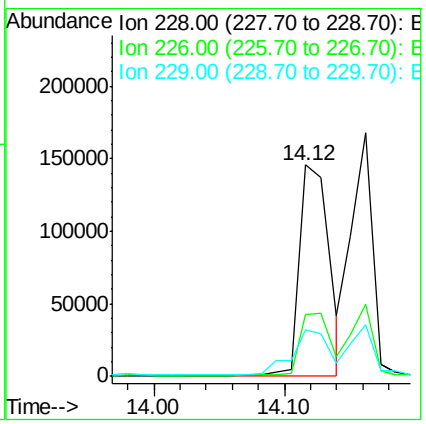




#80
Benzo(a)anthracene
Concen: 74.94 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:228 Resp: 227374

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.8	34.2
229	21.8	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

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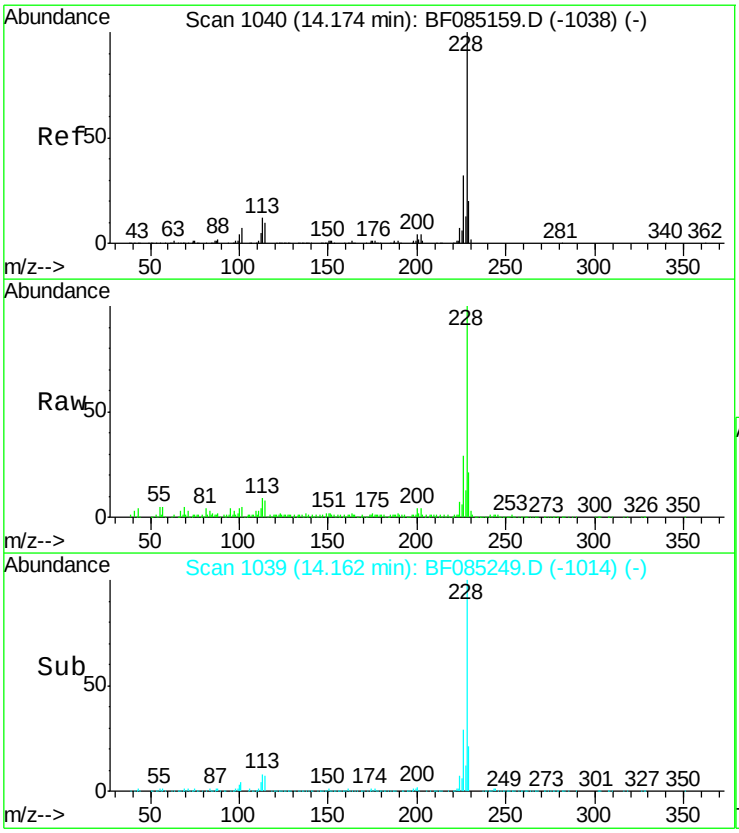
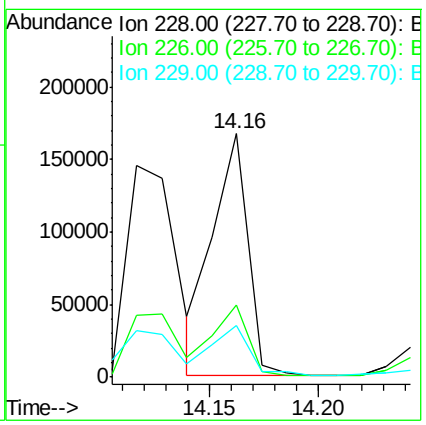
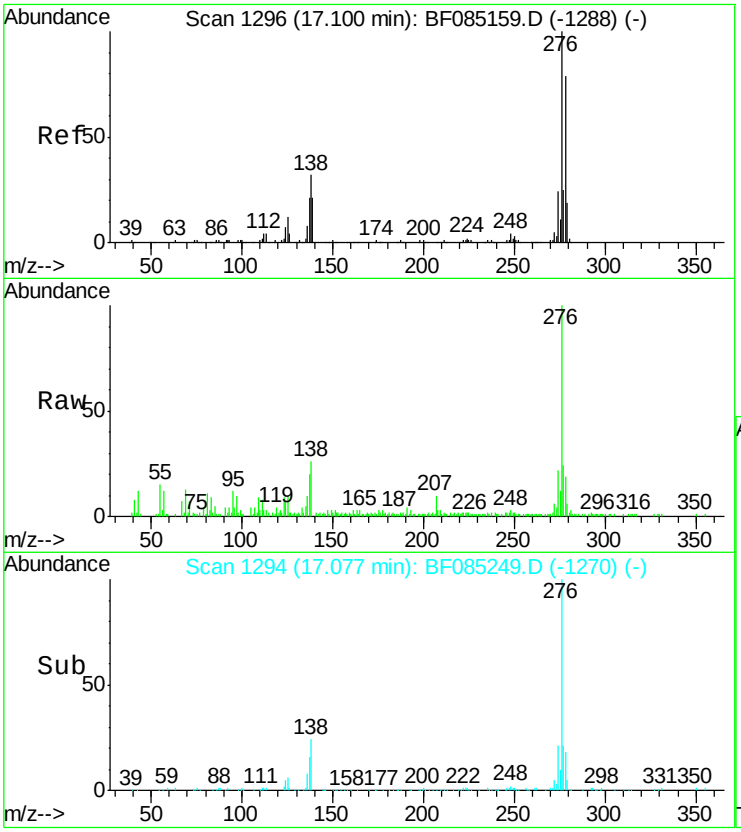


#82
Chrysene
Concen: 66.66 ng
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:228 Resp: 186850

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.2	37.8
229	21.3	16.0	24.0





#85
Indeno(1,2,3-cd)pyrene
Concen: 41.92 ng
RT: 17.08 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:276 Resp: 91695

Ion	Ratio	Lower	Upper
276	100		
138	27.3	26.4	39.6
277	28.9	20.2	30.2

Instrument :
BNA_F
ClientSampleId :
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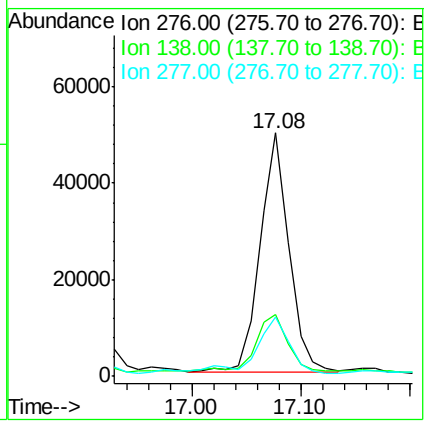
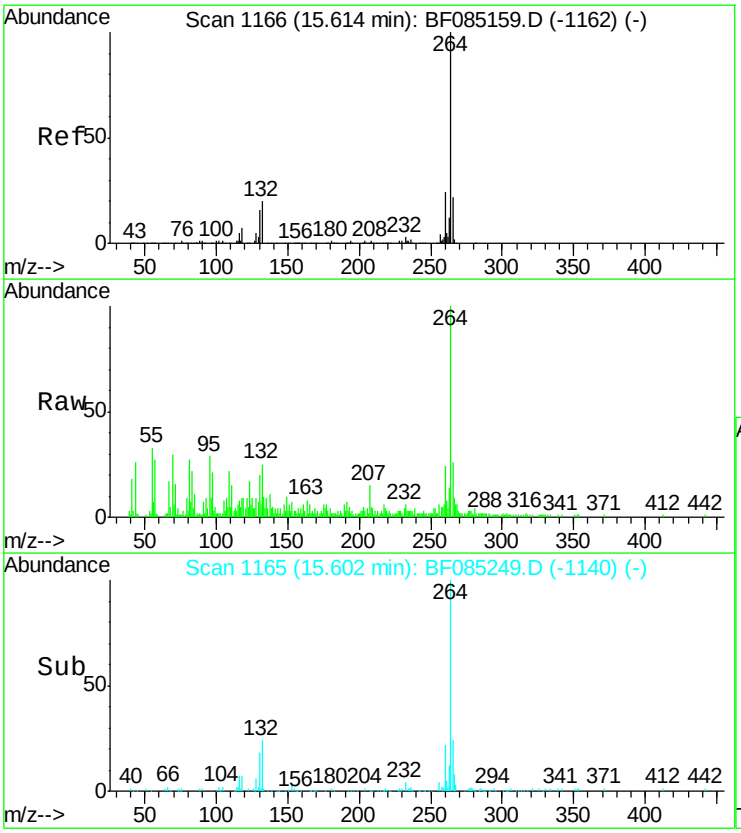
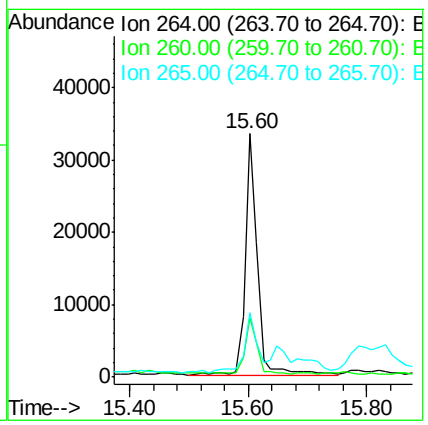


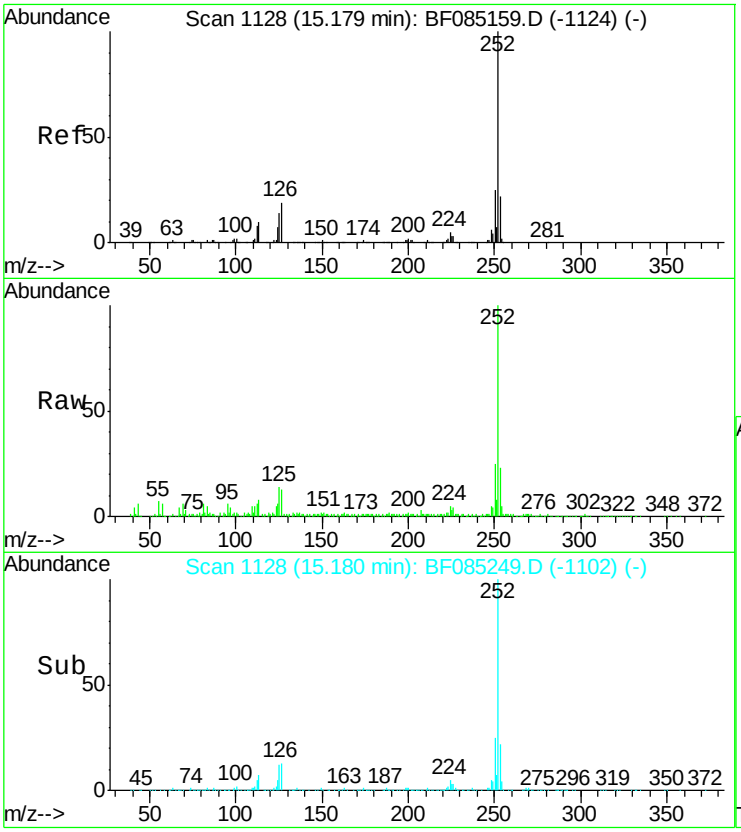


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:264 Resp: 46864

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	26.4	17.3	25.9#

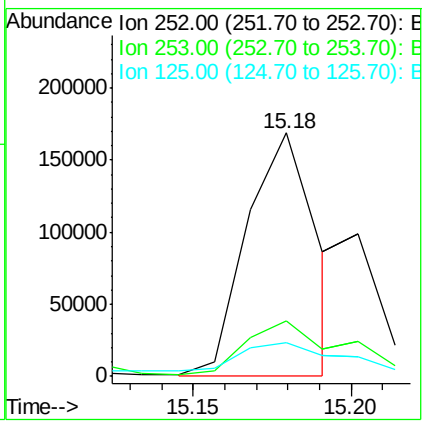




#87
Benzo(b)fluoranthene
Concen: 83.62 ng m
RT: 15.18 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:252 Resp: 261199

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	14.0	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
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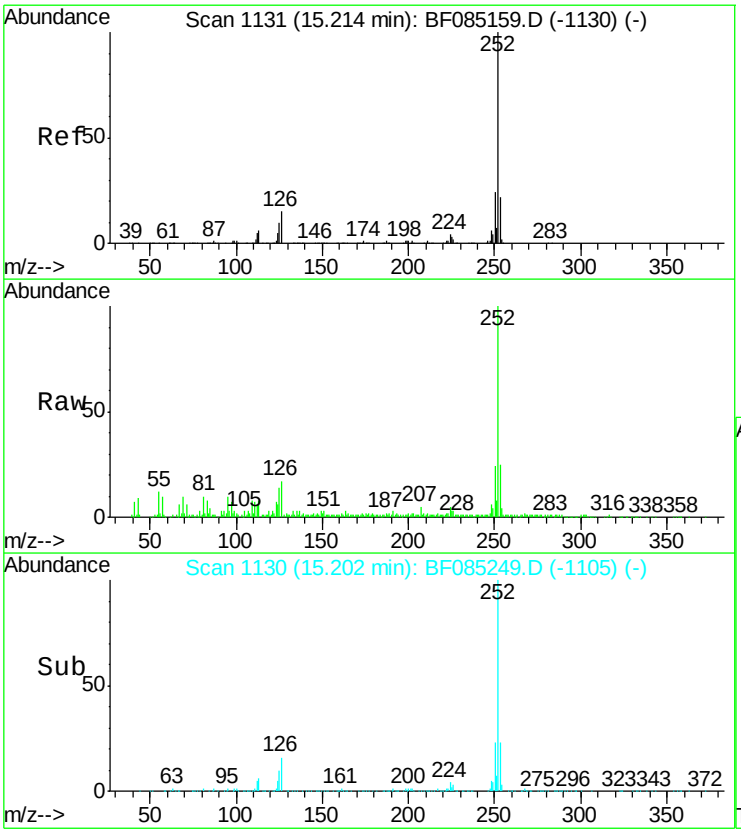
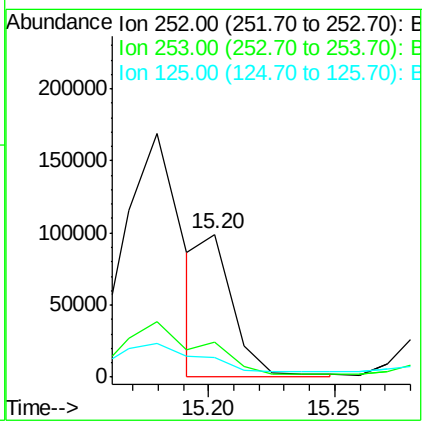
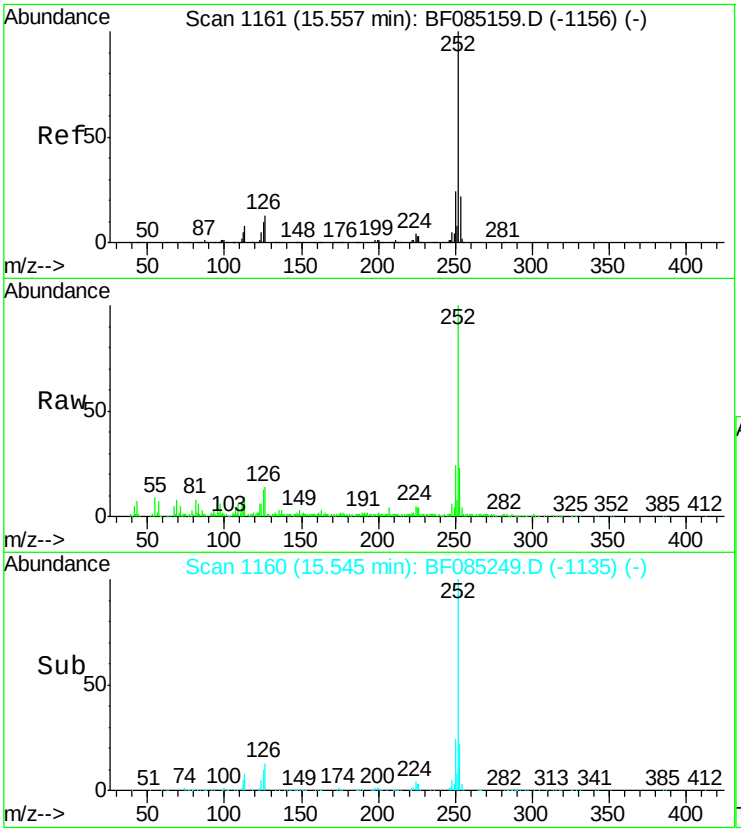


#88
Benzo(k)fluoranthene
Concen: 34.80 ng m
RT: 15.20 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:252 Resp: 87680

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	13.7	10.4	15.6

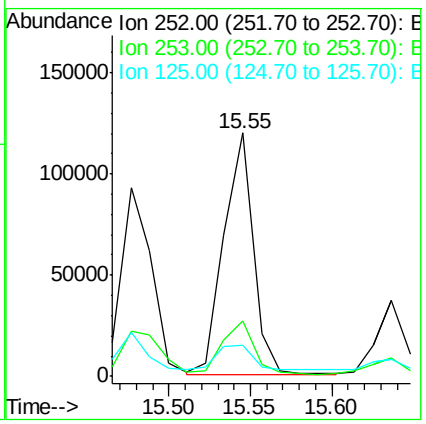




#89
Benzo(a)pyrene
Concen: 57.90 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:252 Resp: 149884

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	12.8	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

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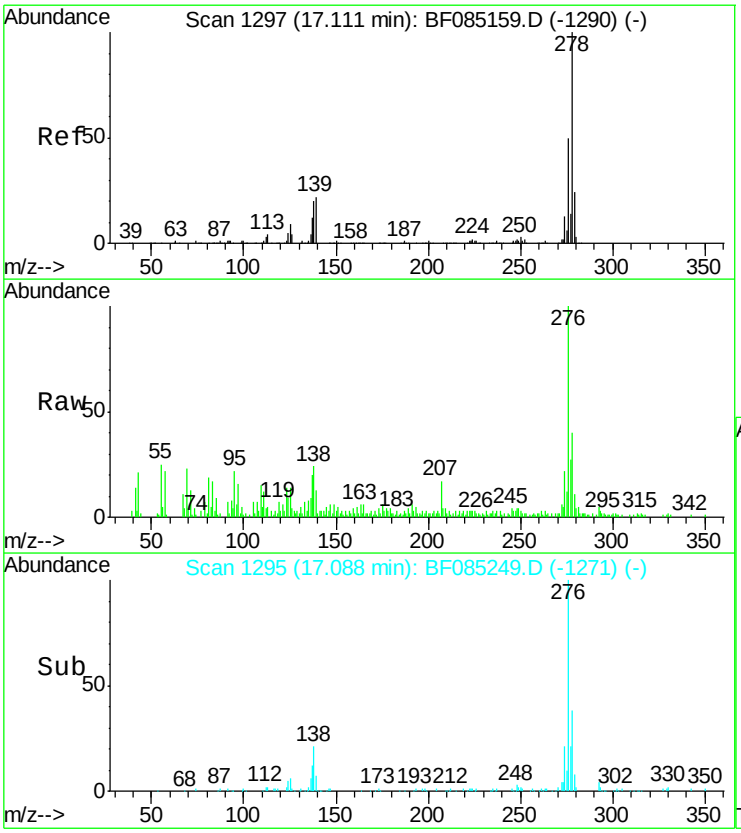
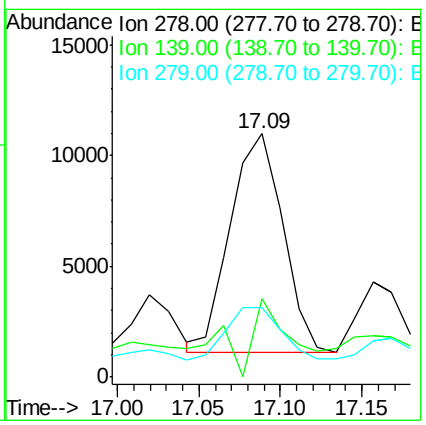
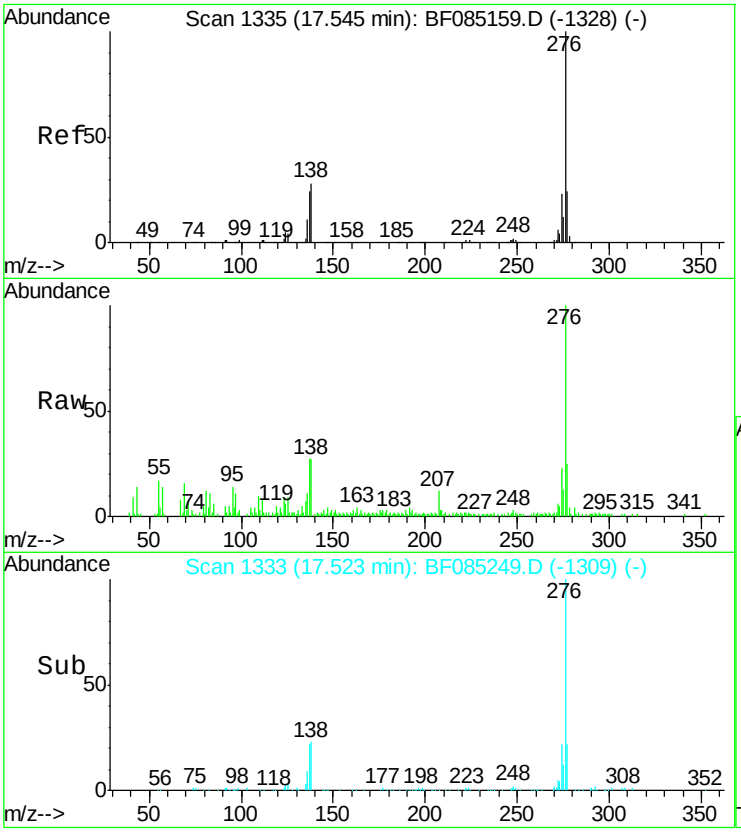


#90
Dibenzo(a,h)anthracene
Concen: 9.97 ng
RT: 17.09 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:278 Resp: 22026

Ion	Ratio	Lower	Upper
278	100		
139	32.2	17.3	25.9#
279	28.4	19.2	28.8

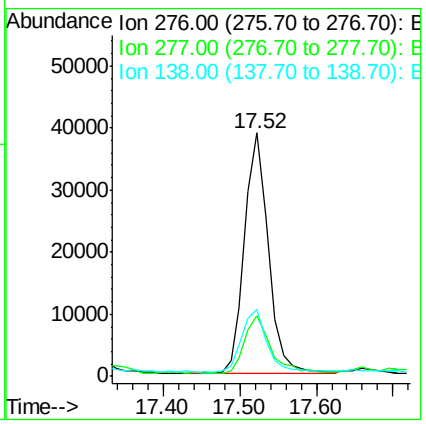




#91
Benzo(g,h,i)perylene
Concen: 37.38 ng
RT: 17.52 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF085249.D
Acq: 5 Mar 2016 12:48

Tgt Ion:276 Resp: 83054

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	27.4	22.5	33.7



Instrument :
BNA_F
ClientSampleId :
SP-005(0-2)

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