Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079665.D
Acq On : 3 Jun 2015 16:34
Operator : TP/IZ
Sample : G2408-18DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Manual Integrations APPROVED
apatel
6/5/2015 8:05:56 AM

Quant Time: Jun 03 18:27:31 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 18:15:29 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	76213	20.00	ng		0.00
21) Naphthalene-d8	8.81	136	299154	20.00	ng		0.00
38) Acenaphthene-d10	10.59	164	149198	20.00	ng		0.00
63) Phenanthrene-d10	12.10	188	323649	20.00	ng		-0.03
75) Chrysene-d12	15.10	240	314837	20.00	ng		-0.29
86) Perylene-d12	17.06	264	308939	20.00	ng		-0.42
System Monitoring Compounds							
5) 2-Fluorophenol	6.12	112	23960	6.23	ng		-0.01
7) Phenol-d6	7.10	99	31904	3.90	ng		-0.01
23) Nitrobenzene-d5	8.07	82	14805	2.54	ng		-0.01
41) 2,4,6-Tribromophenol	11.38	330	5534	4.49	ng		-0.01
44) 2-Fluorobiphenyl	9.88	172	46433	3.74	ng		0.00
78) Terphenyl-d14	13.81	244	55112	3.69	ng		-0.15
Target Compounds							Qvalue
51) Acenaphthene	10.62	154	21639	2.39	ng		94
57) Fluorene	11.14	166	29015	2.70	ng		97
70) Phenanthrene	12.13	178	473379	26.46	ng		99
71) Anthracene	12.18	178	133812	7.43	ng		99
74) Fluoranthene	13.41	202	803343	41.64	ng		96
77) Pyrene	13.67	202	787888	43.46	ng		99
80) Benzo(a)anthracene	15.09	228	427619	24.84	ng		100
82) Chrysene	15.13	228	304578	17.58	ng		98
85) Indeno(1,2,3-cd)pyrene	19.07	276	182225	10.76	ng		93
87) Benzo(b)fluoranthene	16.48	252	402728m	25.23	ng		
88) Benzo(k)fluoranthene	16.51	252	140313m	7.50	ng		
89) Benzo(a)pyrene	16.98	252	326550	20.92	ng	#	97
90) Dibenzo(a,h)anthracene	19.10	278	35770	2.45	ng		94
91) Benzo(g,h,i)perylene	19.69	276	192543	12.41	ng		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079665.D
Acq On : 3 Jun 2015 16:34
Operator : TP/IZ
Sample : G2408-18DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 18:27:31 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 18:15:29 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Manual Integrations APPROVED
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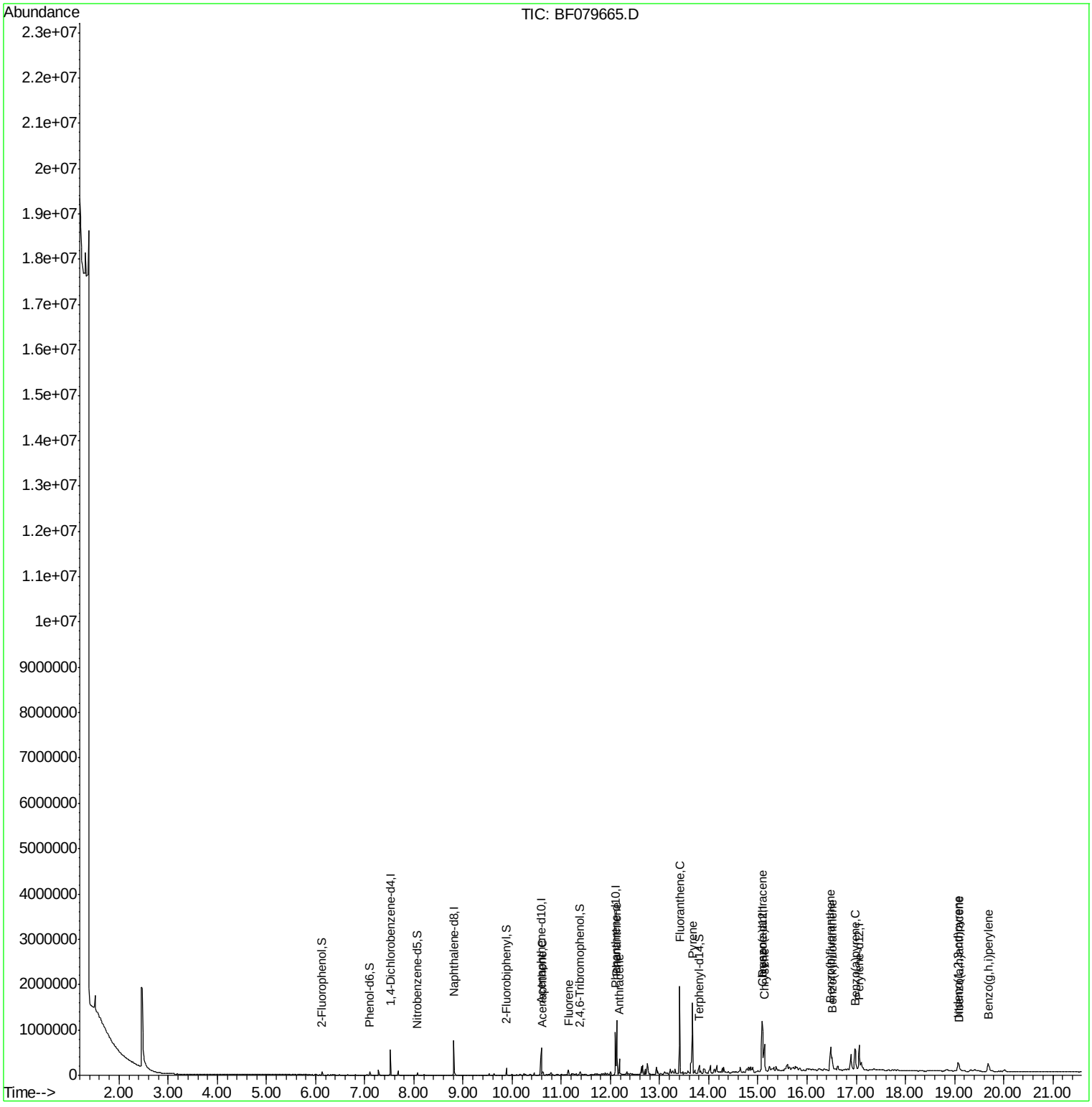
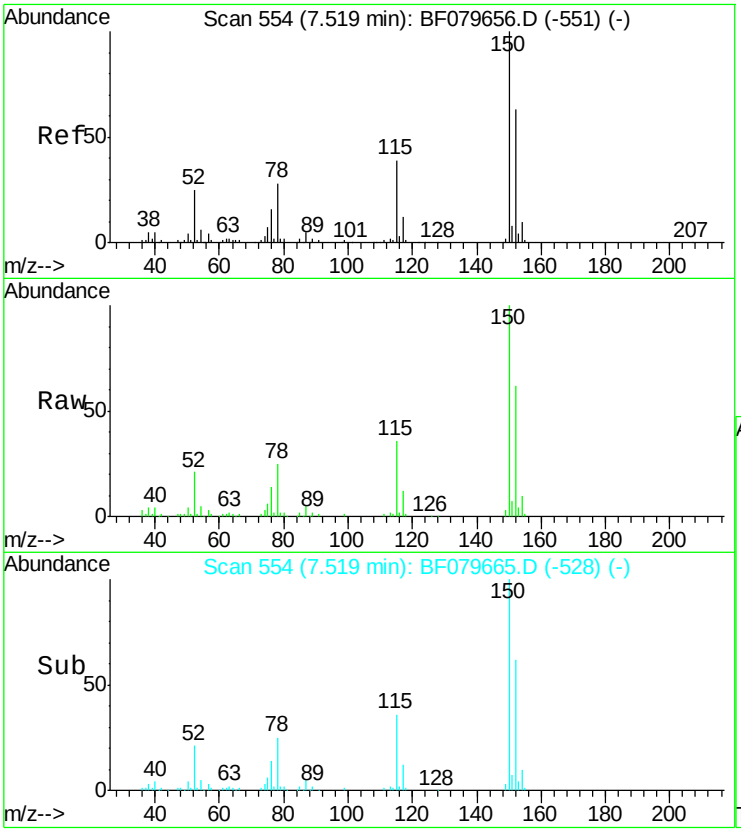
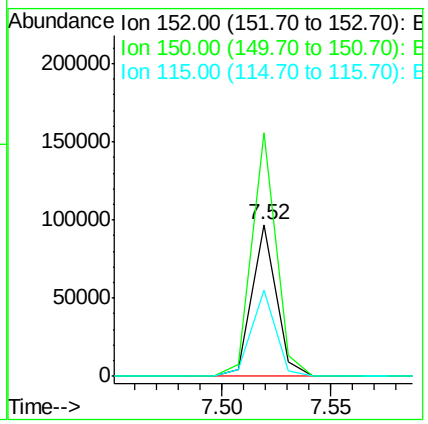




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:152 Resp: 76213

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.7	190.1
115	57.1	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Manual Integrations APPROVED
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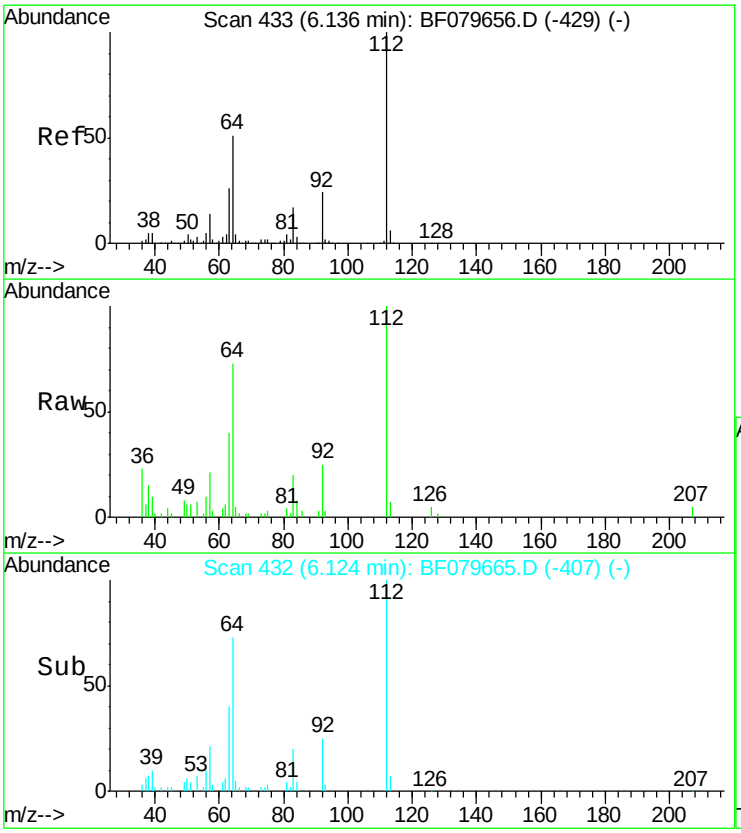
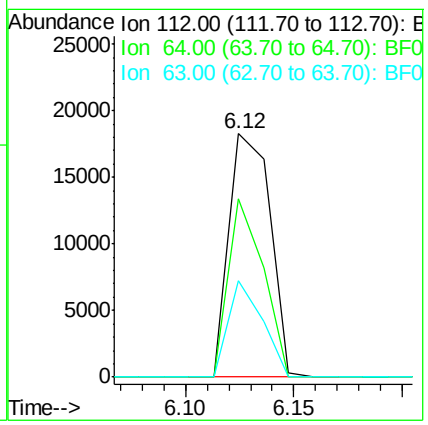
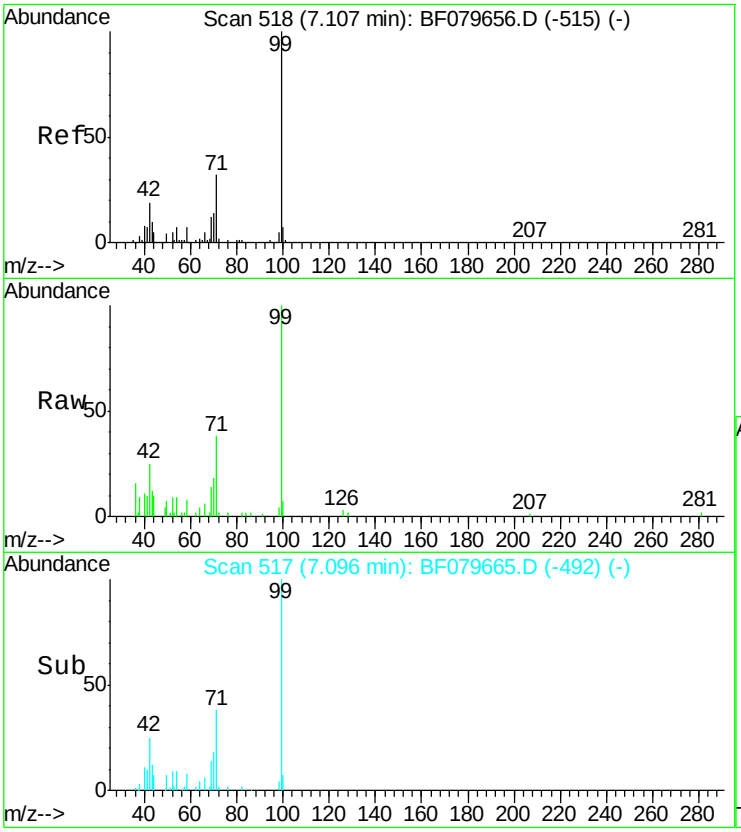


#5
2-Fluorophenol
Concen: 6.23 ng
RT: 6.12 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:112 Resp: 23960

Ion	Ratio	Lower	Upper
112	100		
64	73.3	41.1	61.7#
63	39.8	20.5	30.7#

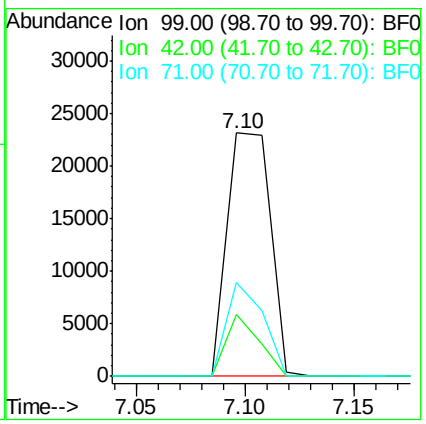




#7
Phenol-d6
Concen: 3.90 ng
RT: 7.10 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion: 99 Resp: 31904

Ion	Ratio	Lower	Upper
99	100		
42	25.3	15.2	22.8#
71	38.5	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Manual Integrations APPROVED
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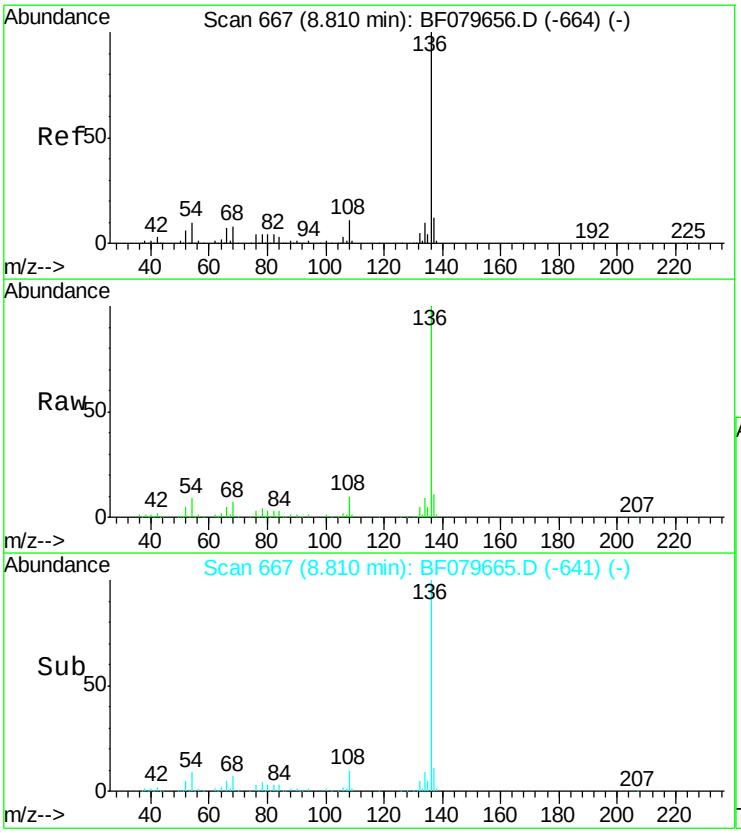
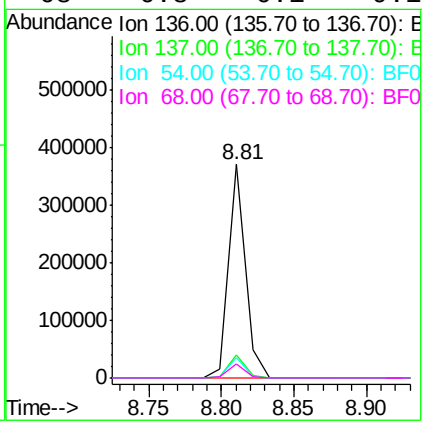
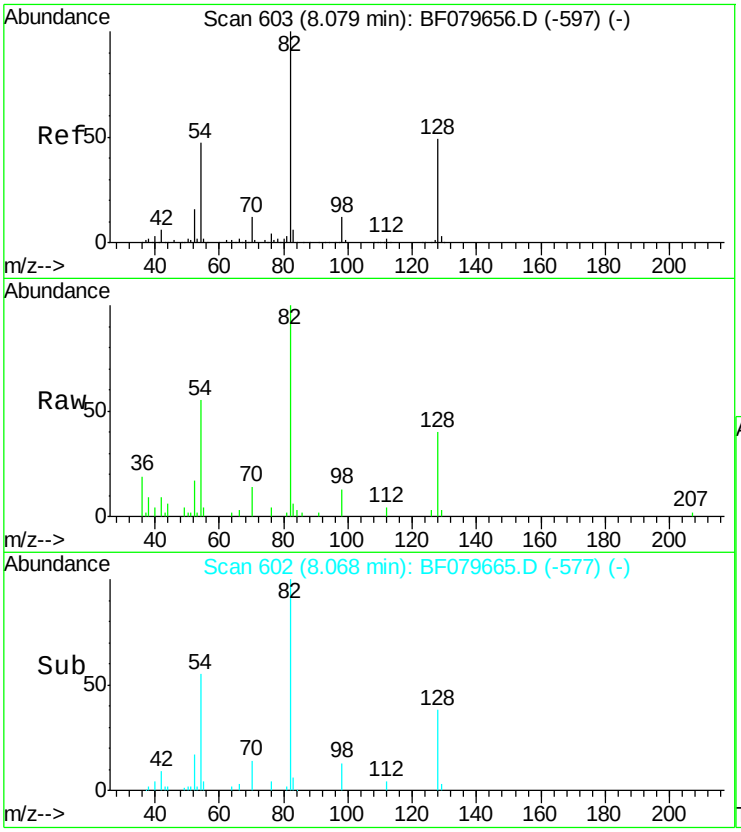


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:136 Resp: 299154

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	9.5	8.3	12.5
68	6.8	6.1	9.1

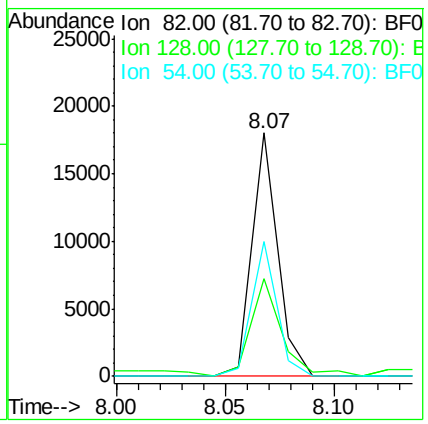




#23
Nitrobenzene-d5
Concen: 2.54 ng
RT: 8.07 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion: 82 Resp: 14805

Ion	Ratio	Lower	Upper
82	100		
128	40.0	39.4	59.0
54	55.3	37.4	56.0



Instrument :
BNA_F
ClientSampleId :
SB-18SDL

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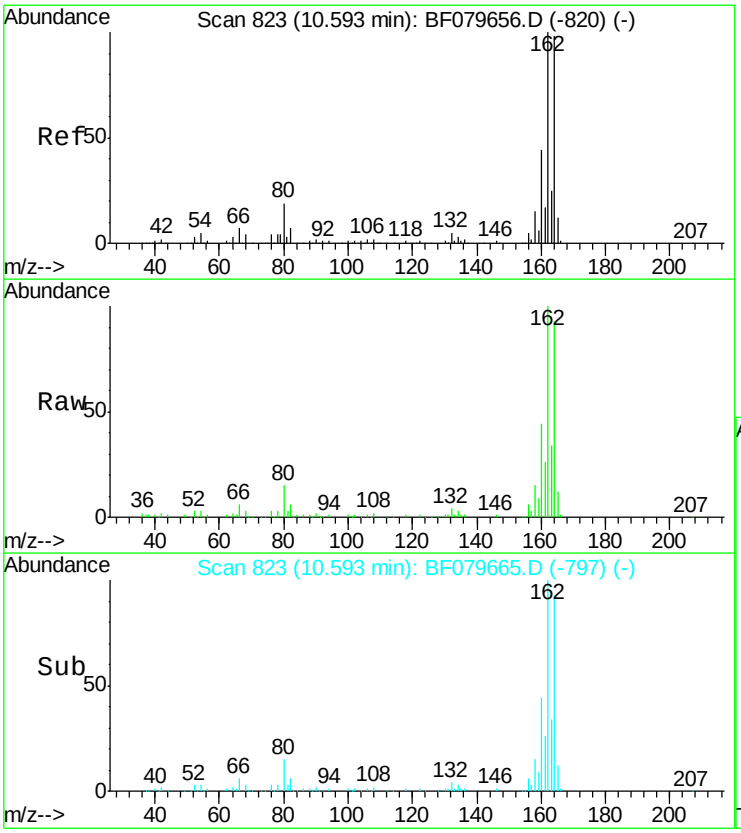
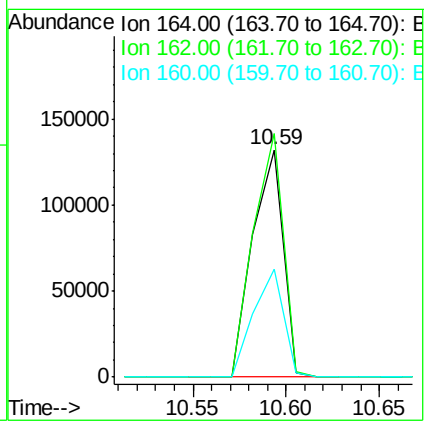
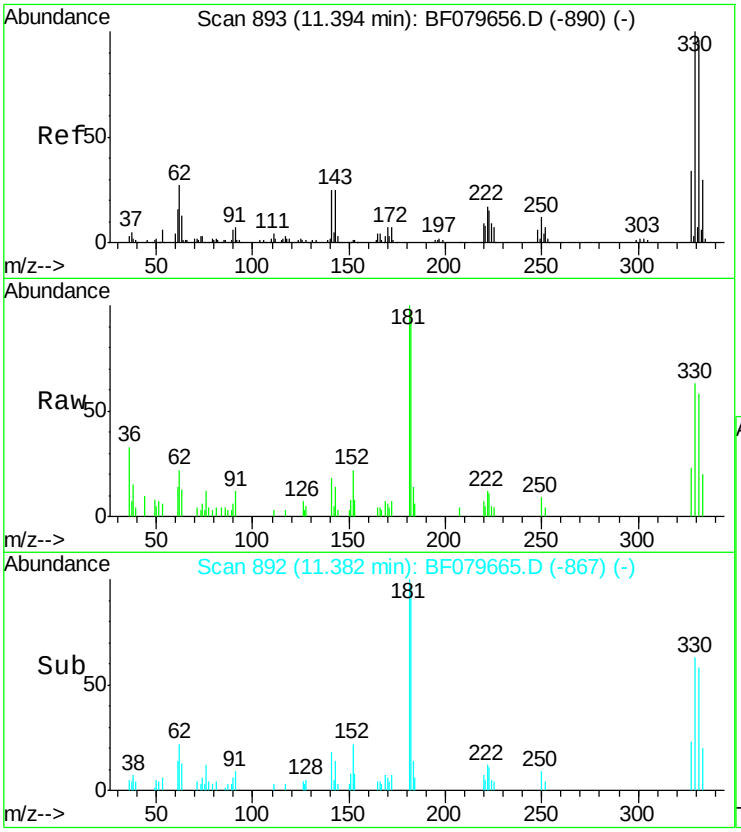


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:164 Resp: 149198

Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.0	123.0
160	47.5	35.9	53.9

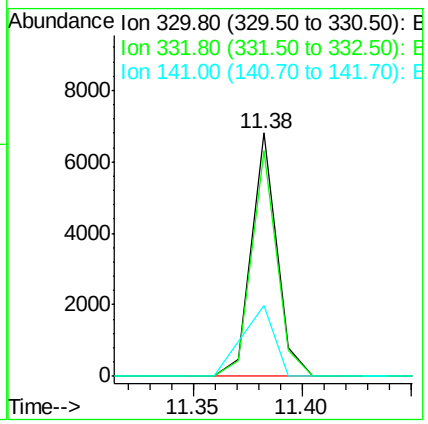




#41
2,4,6-Tribromophenol
Concen: 4.49 ng
RT: 11.38 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:330 Resp: 5534

Ion	Ratio	Lower	Upper
330	100		
332	92.7	77.3	115.9
141	36.8	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
SB-18SDL

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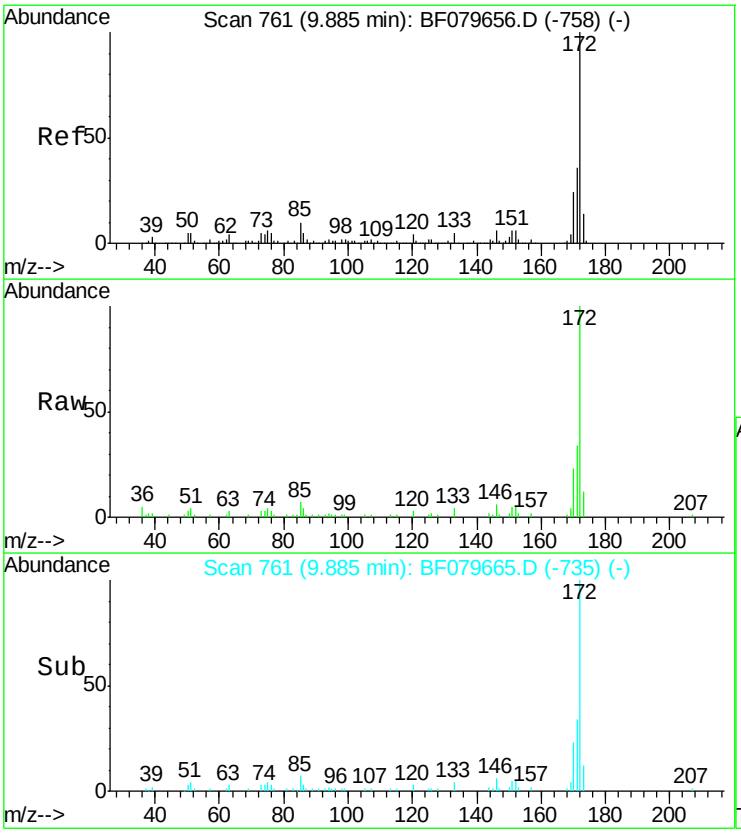
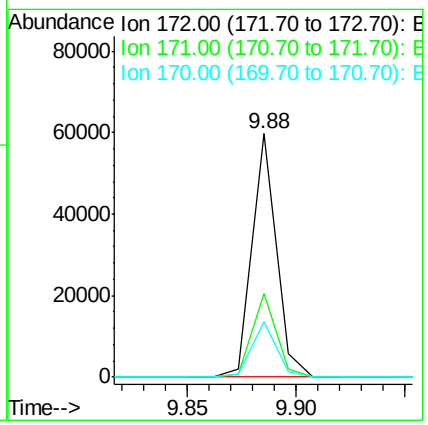
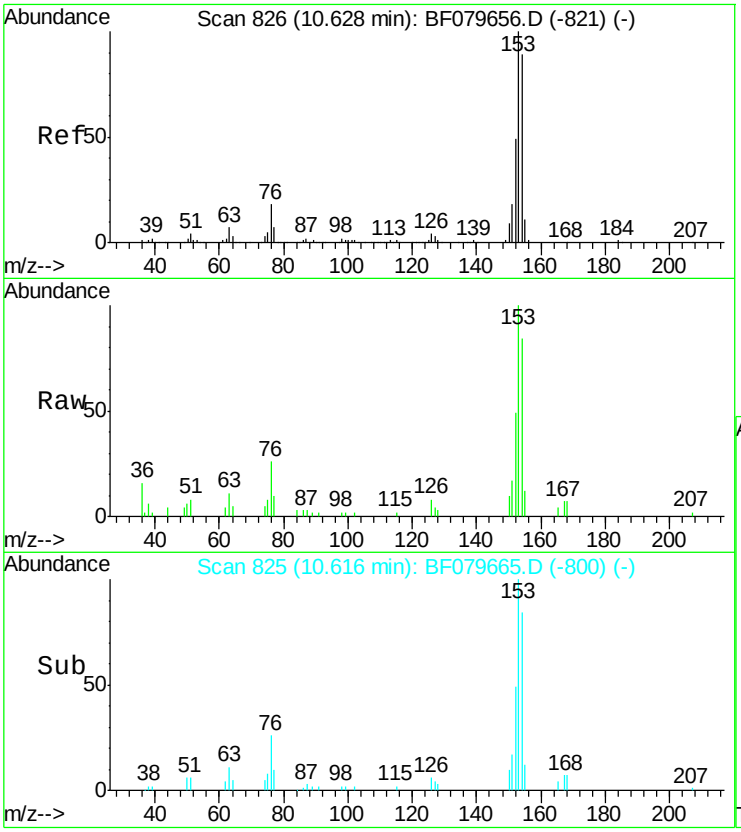


#44
2-Fluorobiphenyl
Concen: 3.74 ng
RT: 9.88 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:172 Resp: 46433

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.8	43.2
170	22.6	19.2	28.8

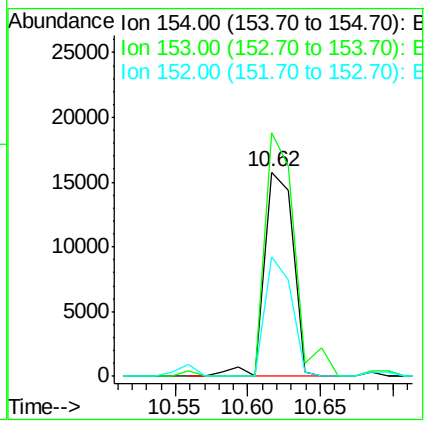




#51
Acenaphthene
Concen: 2.39 ng
RT: 10.62 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:154 Resp: 21639

Ion	Ratio	Lower	Upper
154	100		
153	119.4	89.8	134.6
152	58.5	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
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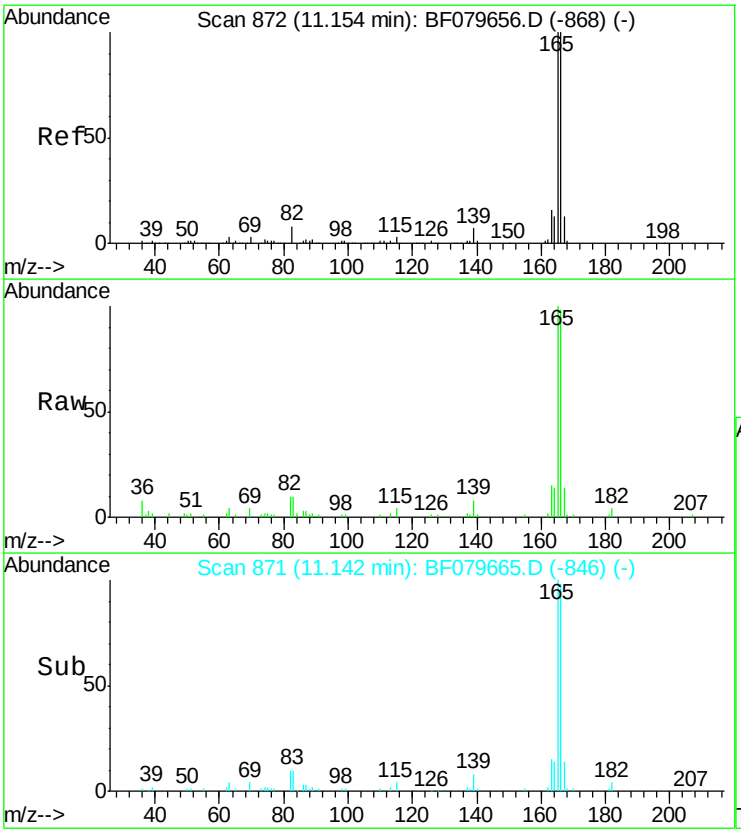
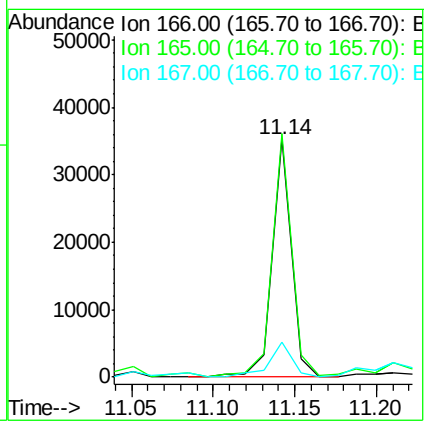
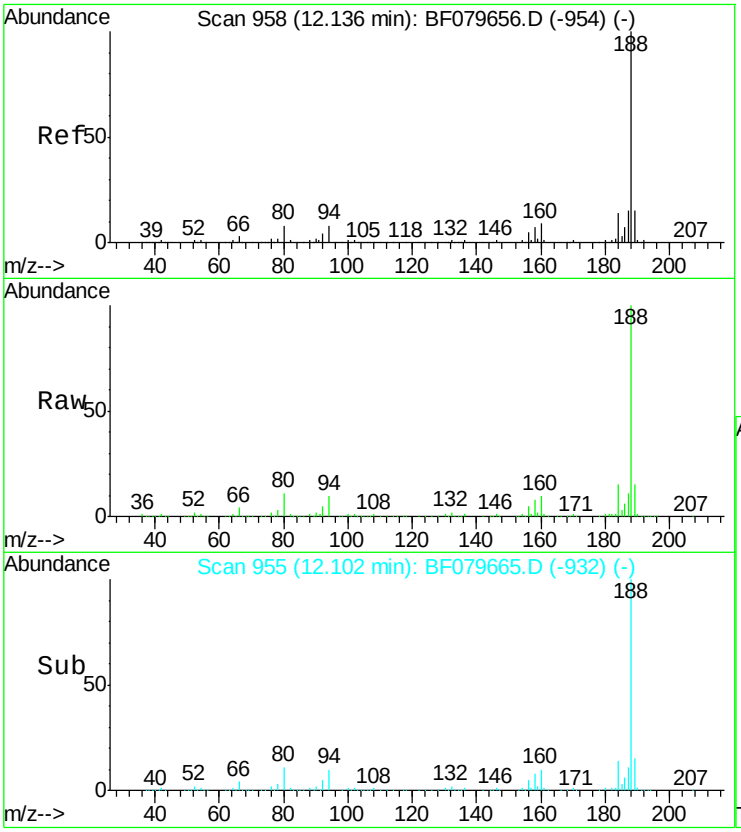


#57
Fluorene
Concen: 2.70 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:166 Resp: 29015

Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.8	119.6
167	14.6	10.6	15.8

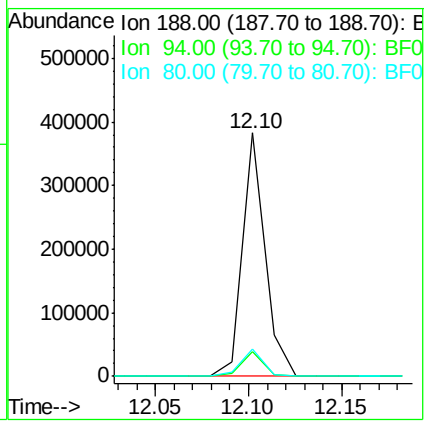




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.10 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:188 Resp: 323649

Ion	Ratio	Lower	Upper
188	100		
94	9.9	6.1	9.1#
80	11.3	6.2	9.2#



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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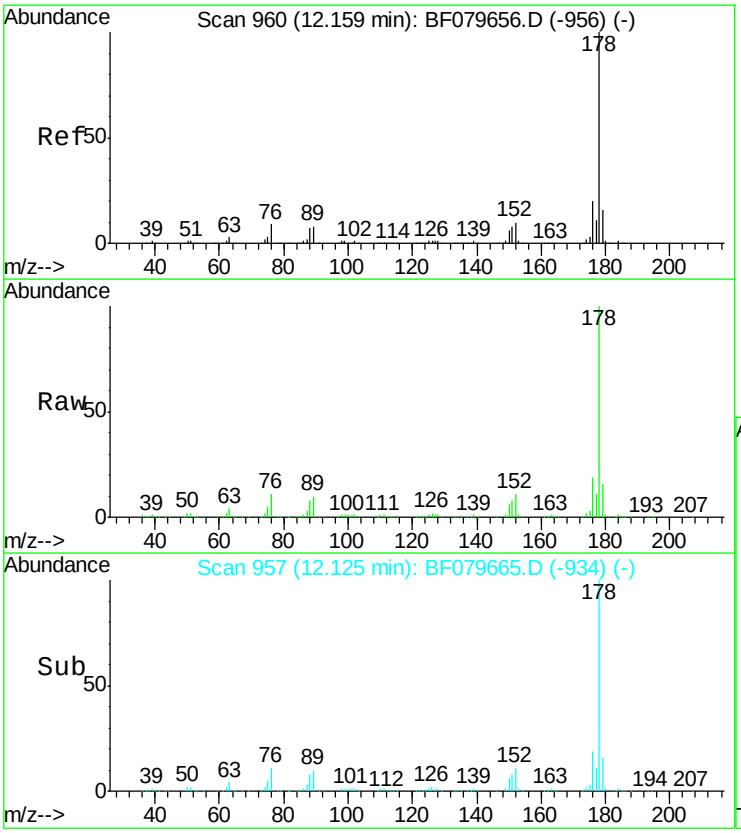
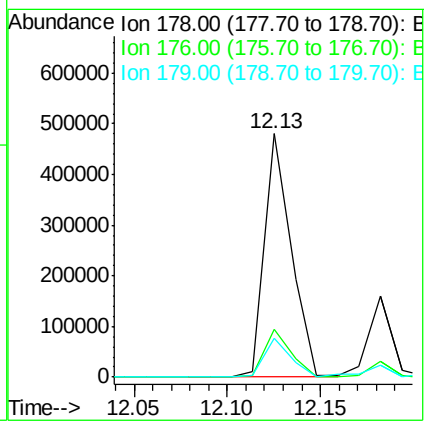
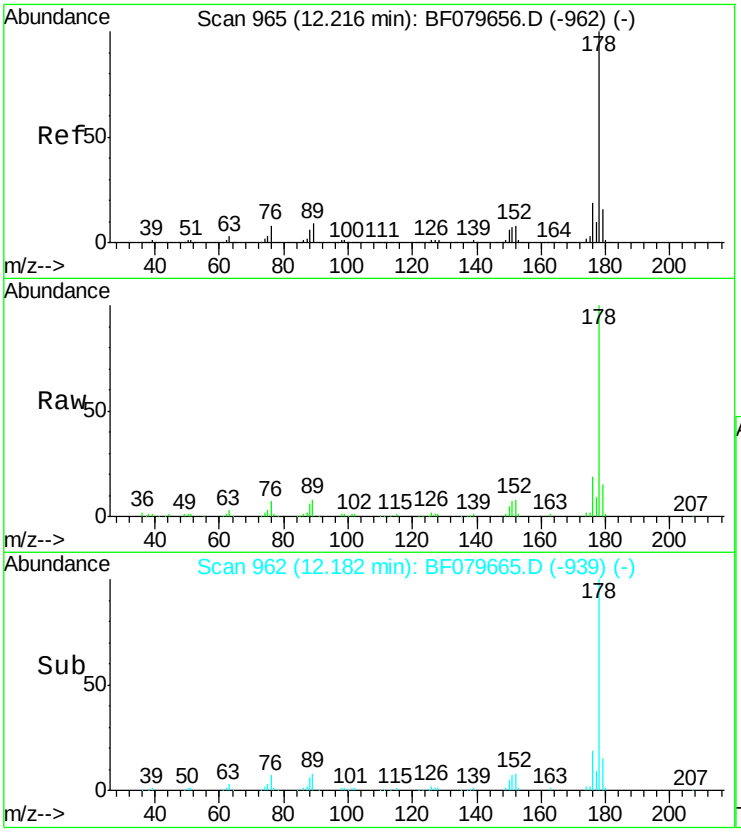


#70
Phenanthrene
Concen: 26.46 ng
RT: 12.13 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:178 Resp: 473379

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.1	12.7	19.1

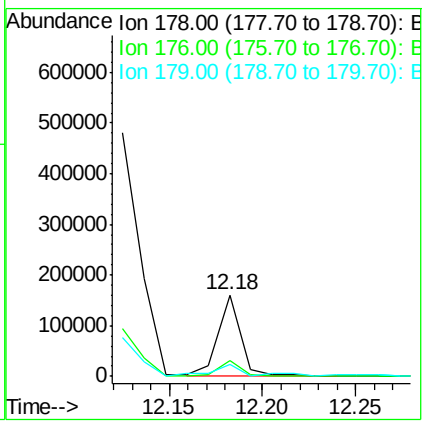




#71
Anthracene
Concen: 7.43 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.03 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:178 Resp: 133812

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.0	12.6	19.0



Instrument :
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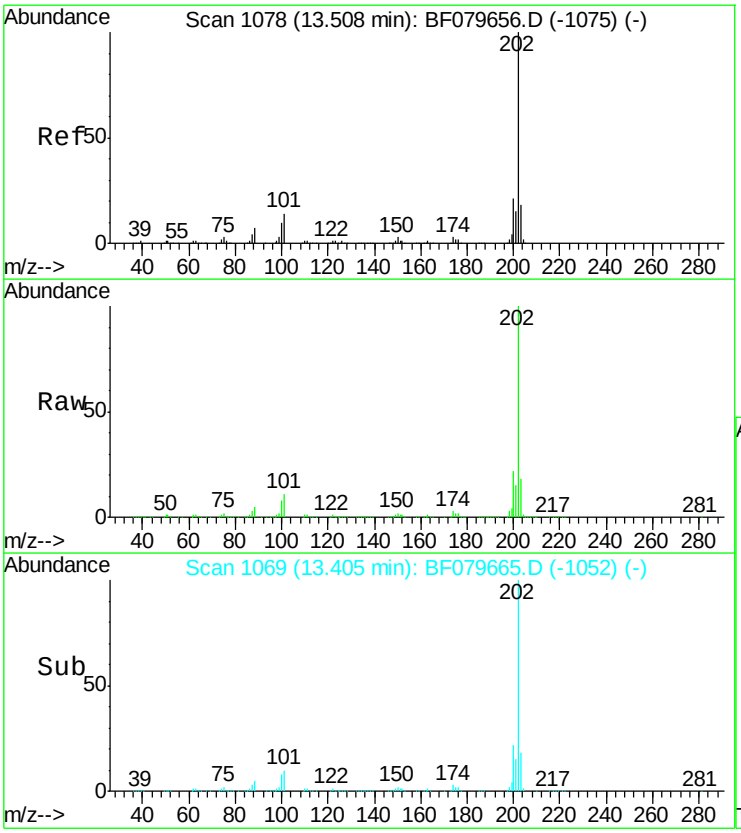
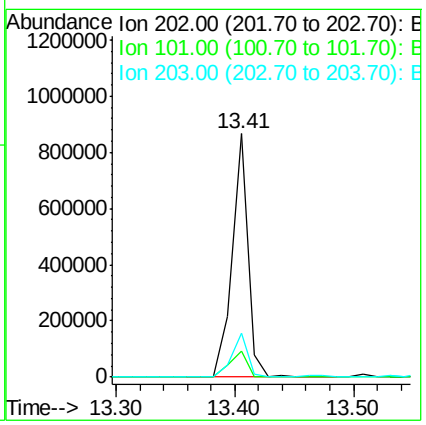
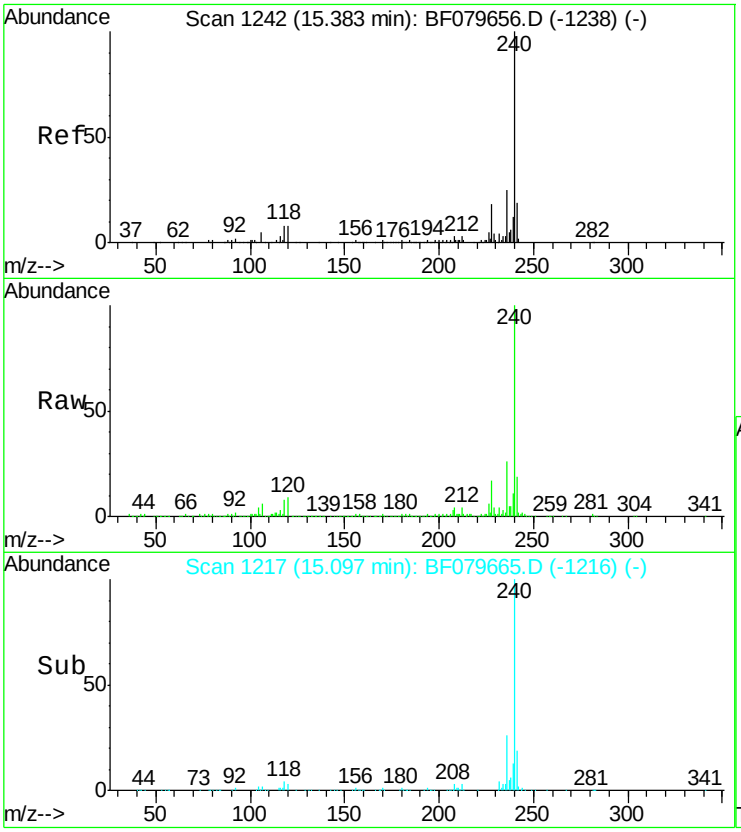


#74
Fluoranthene
Concen: 41.64 ng
RT: 13.41 min Scan# 1069
Delta R.T. -0.10 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:202 Resp: 803343

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.0
203	17.9	0.0	37.9

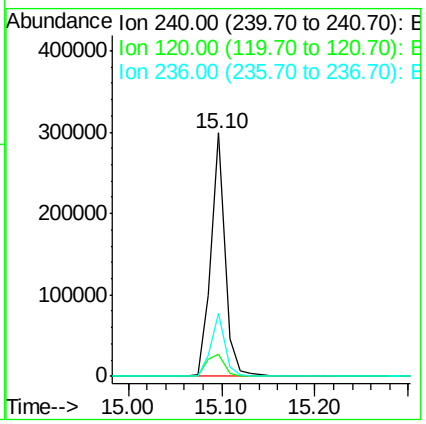




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1217
Delta R.T. -0.29 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:240 Resp: 314837

Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.4	9.6
236	25.8	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Manual Integrations APPROVED
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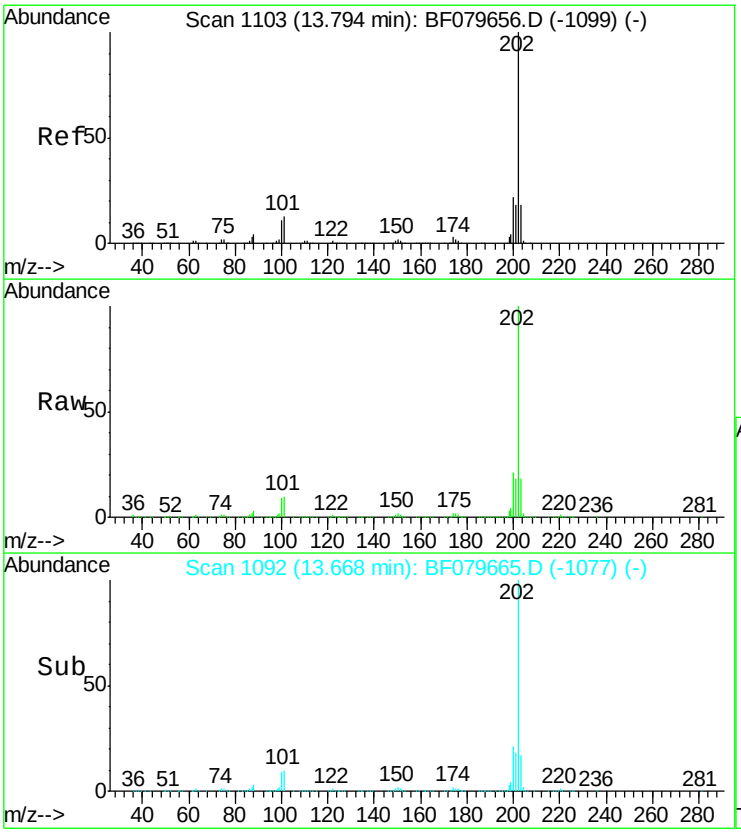
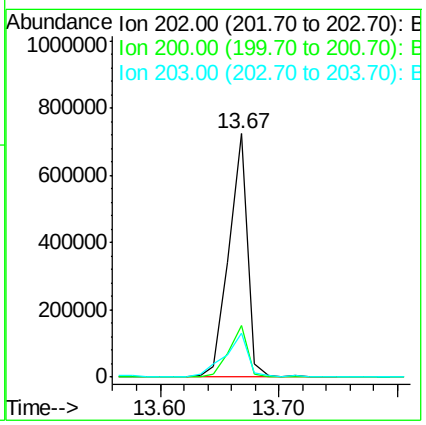
6/5/2015 8:05:56 AM

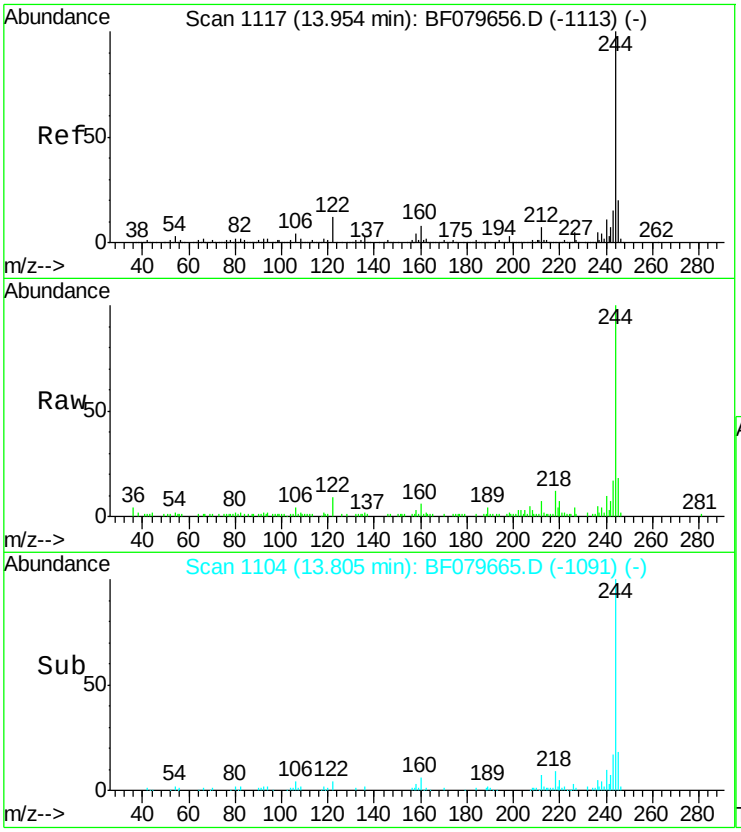


#77
Pyrene
Concen: 43.46 ng
RT: 13.67 min Scan# 1092
Delta R.T. -0.13 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:202 Resp: 787888

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	17.9	14.5	21.7





#78
Terphenyl-d14
Concen: 3.69 ng
RT: 13.81 min Scan# 1104
Delta R.T. -0.15 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:244 Resp: 55112

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	8.9	9.8	14.6#

Instrument :
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ClientSampleId :
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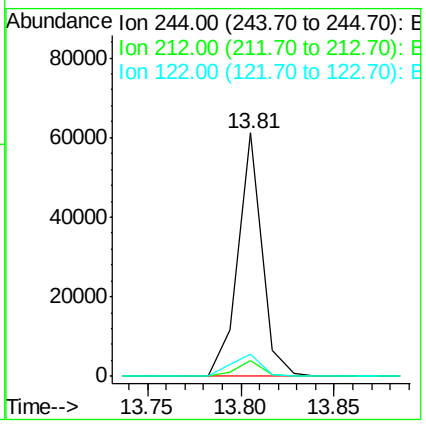
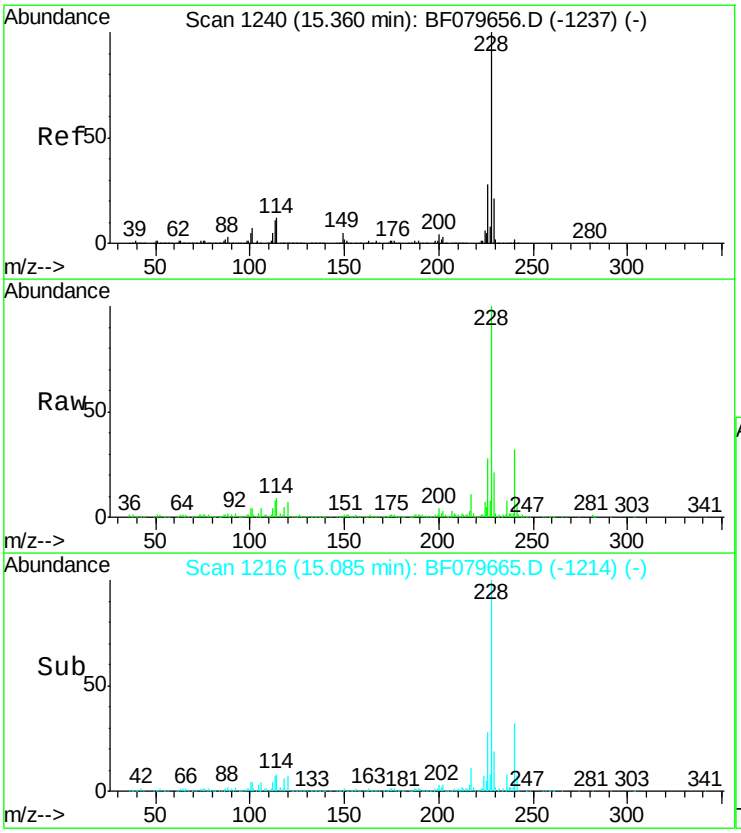
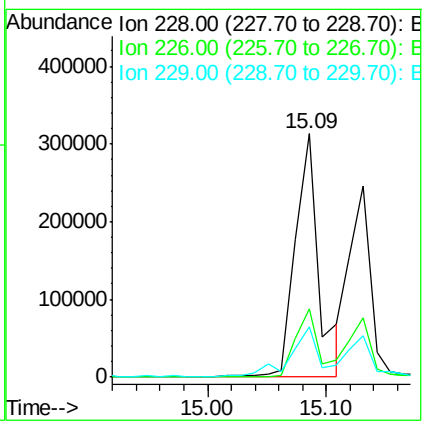


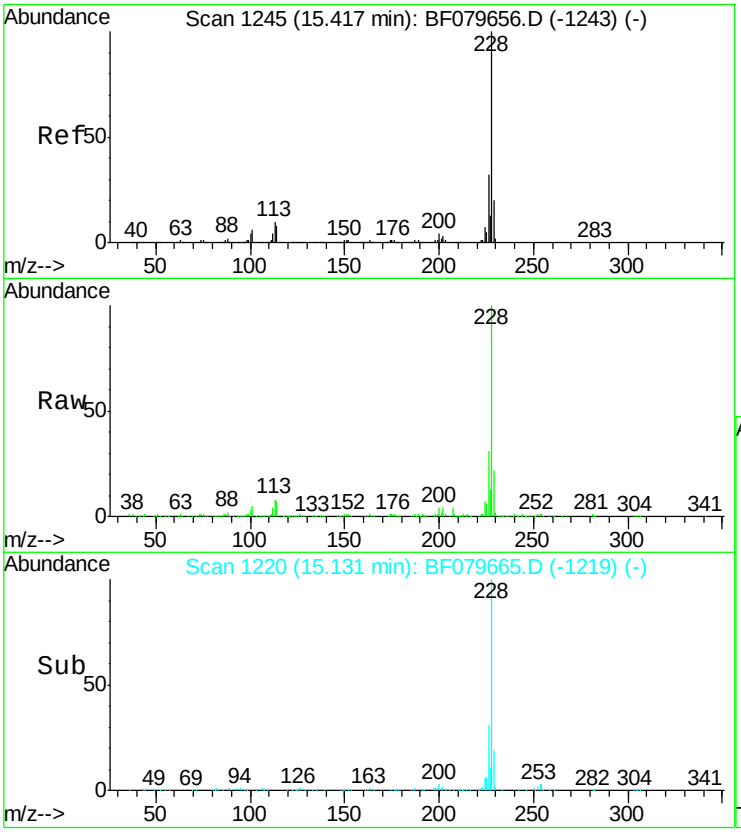


#80
Benzo(a)anthracene
Concen: 24.84 ng
RT: 15.09 min Scan# 1216
Delta R.T. -0.27 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:228 Resp: 427619

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.7	16.6	24.8

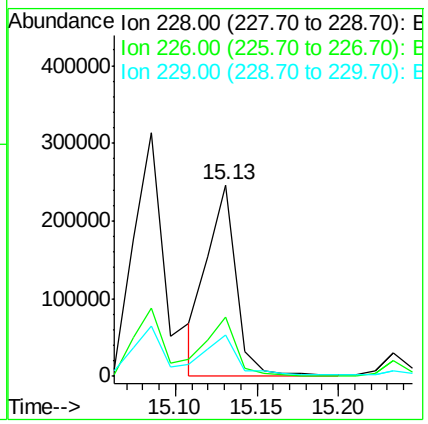




#82
Chrysene
Concen: 17.58 ng
RT: 15.13 min Scan# 1220
Delta R.T. -0.29 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:228 Resp: 304578

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	21.7	16.3	24.5



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ClientSampleId :
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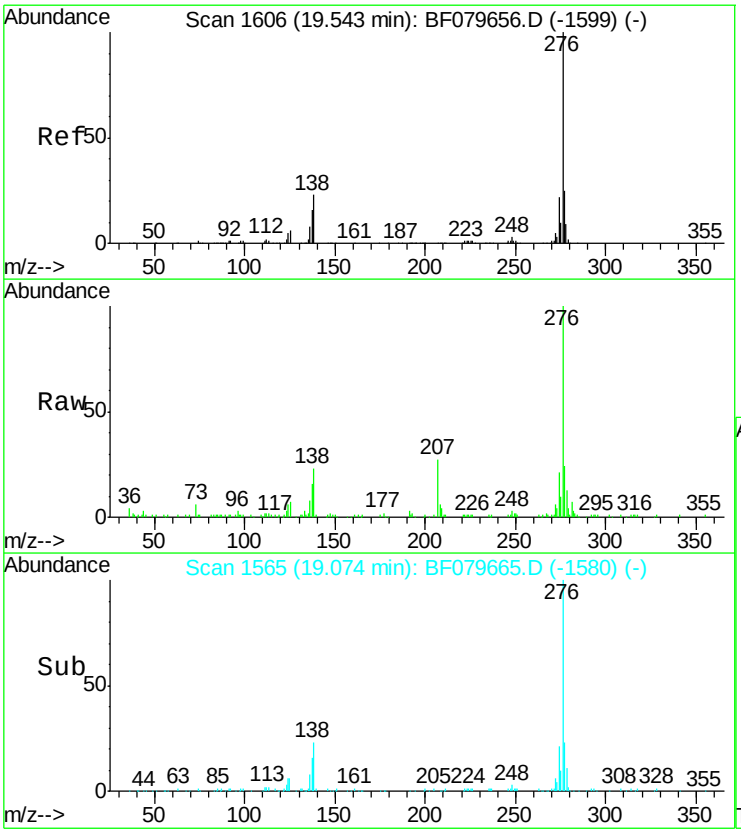
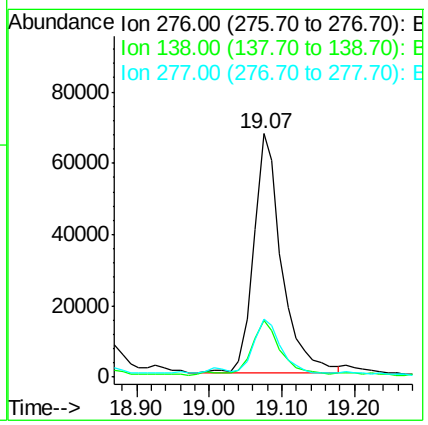
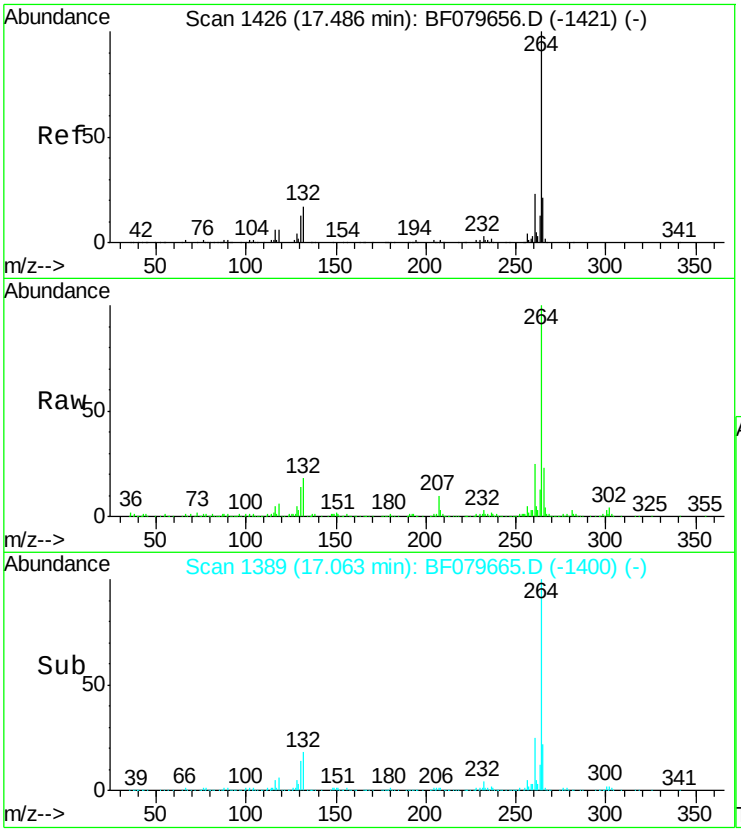


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.76 ng
RT: 19.07 min Scan# 1565
Delta R.T. -0.47 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:276 Resp: 182225

Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.9	32.9
277	21.7	20.2	30.4

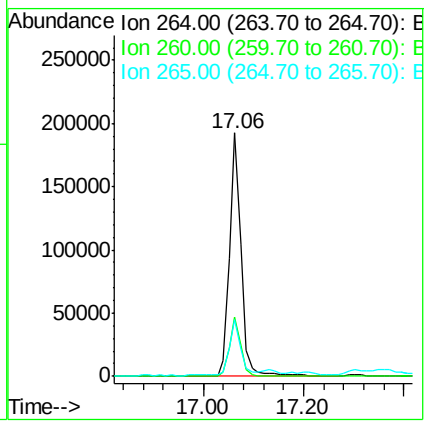




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.06 min Scan# 1389
Delta R.T. -0.42 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:264 Resp: 308939

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	23.1	17.4	26.0



Instrument :
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ClientSampleId :
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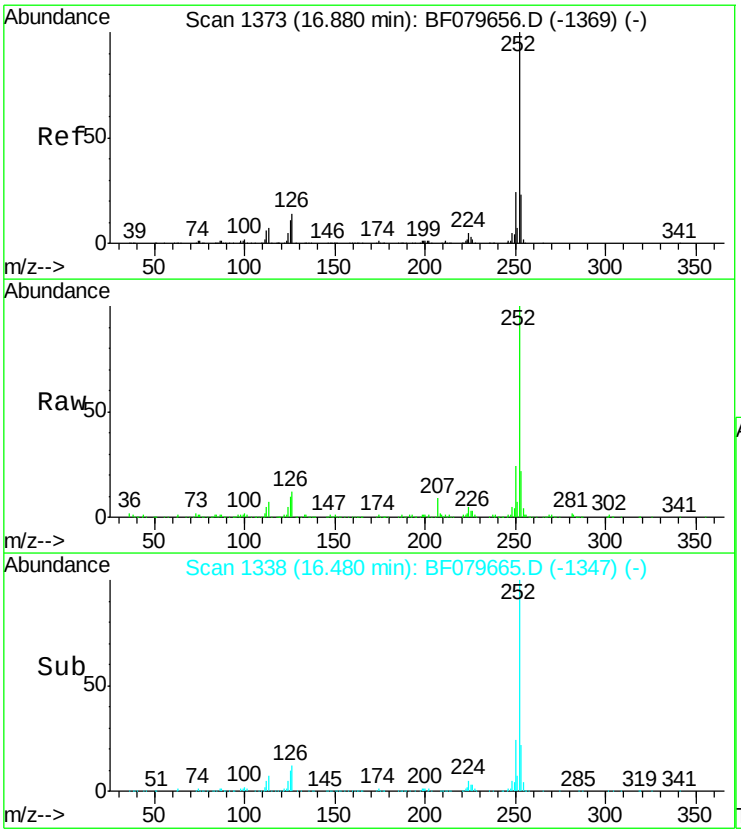
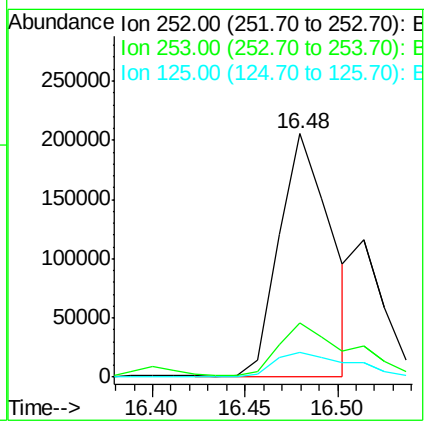
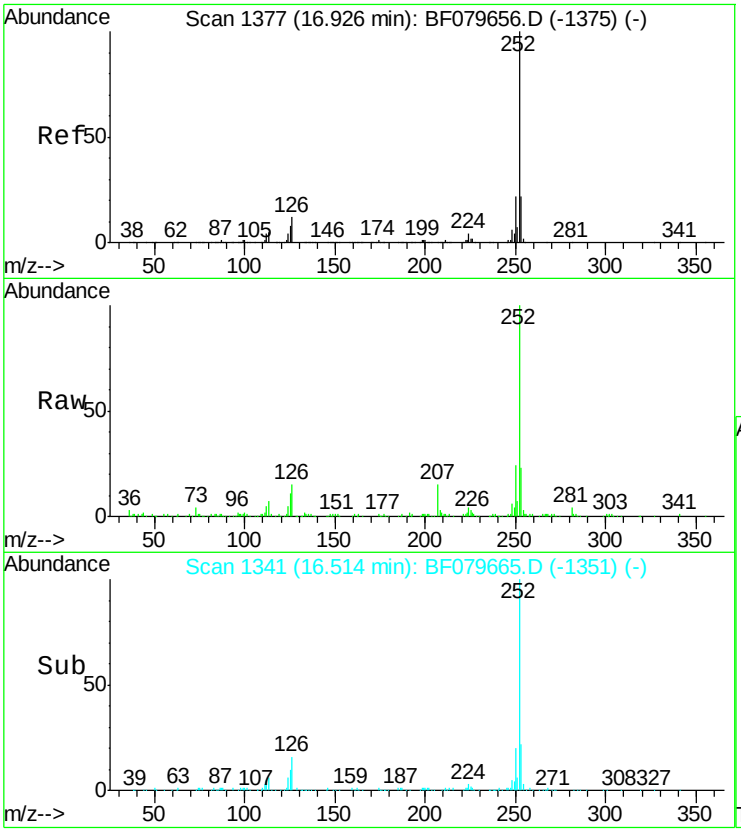


#87
Benzo(b)fluoranthene
Concen: 25.23 ng m
RT: 16.48 min Scan# 1338
Delta R.T. -0.40 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:252 Resp: 402728

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	10.2	8.7	13.1

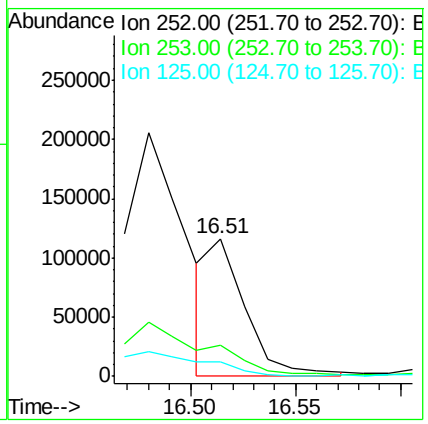




#88
Benzo(k)fluoranthene
Concen: 7.50 ng m
RT: 16.51 min Scan# 1341
Delta R.T. -0.41 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:252 Resp: 140313

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	10.8	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
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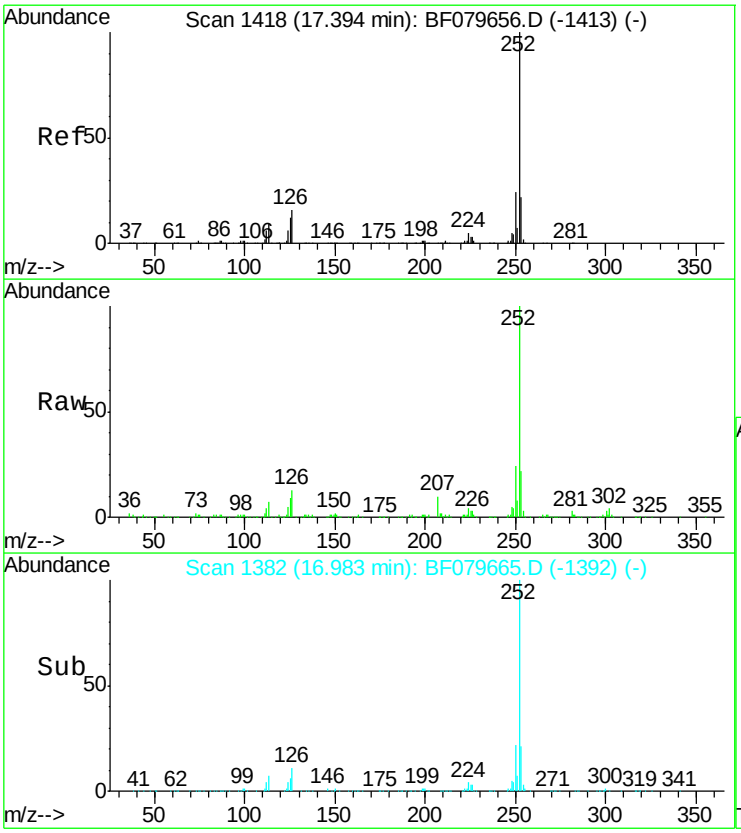
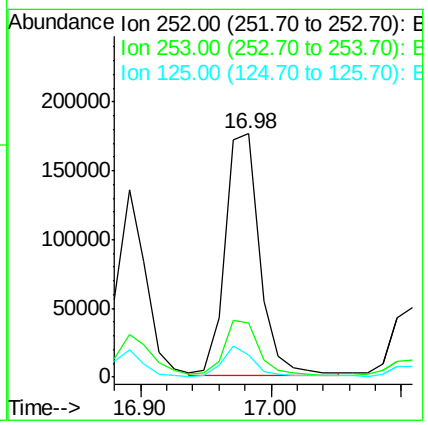
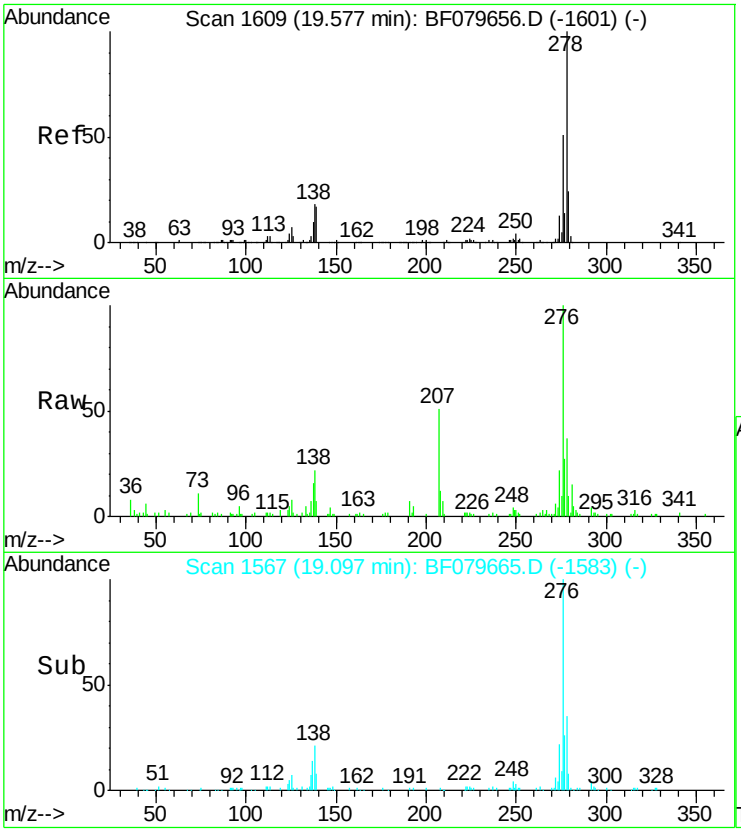


#89
Benzo(a)pyrene
Concen: 20.92 ng
RT: 16.98 min Scan# 1382
Delta R.T. -0.41 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:252 Resp: 326550

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	9.1	9.4	14.0#

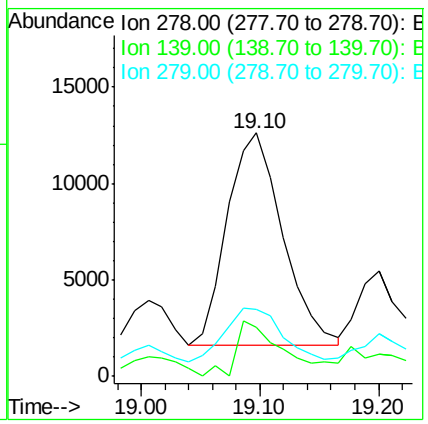




#90
Dibenzo(a,h)anthracene
Concen: 2.45 ng
RT: 19.10 min Scan# 1567
Delta R.T. -0.48 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:278 Resp: 35770

Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.7	20.5
279	27.3	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
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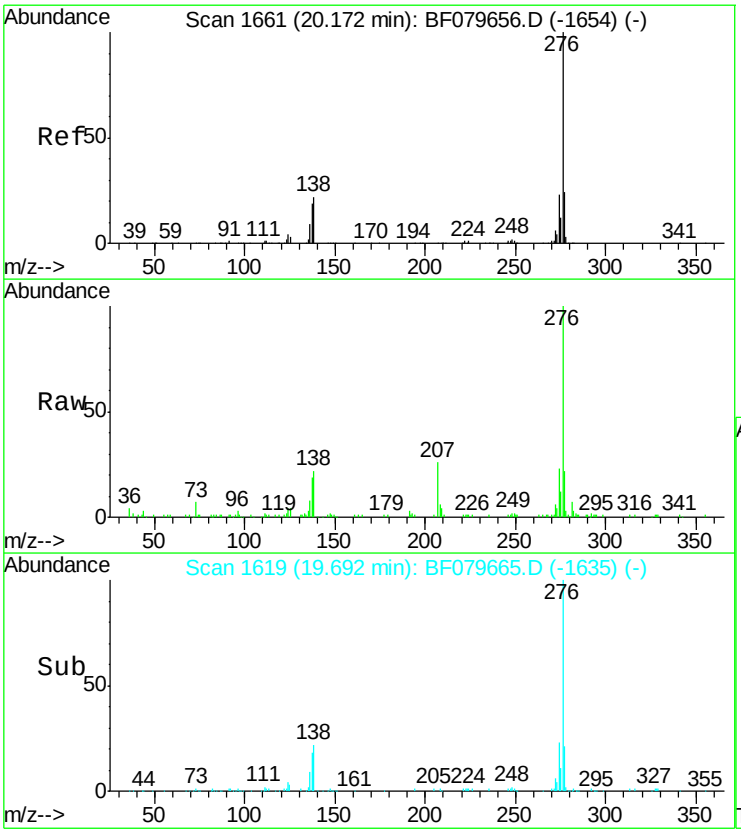

#91
Benzo(g,h,i)perylene
Concen: 12.41 ng
RT: 19.69 min Scan# 1619
Delta R.T. -0.48 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:276 Resp: 192543

Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.1	28.7
138	22.1	17.4	26.0