Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
Data File : BF078395.D
Acq On : 10 Apr 2015 10:40
Operator : TP/IZ
Sample : G1793-06DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4DDL

Manual Integrations APPROVED
apatel
4/10/2015 5:13:58 PM

Quant Time: Apr 10 13:12:28 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 11:29:31 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	35588	20.00	ng		0.00
21) Naphthalene-d8	8.46	136	149577	20.00	ng		0.00
38) Acenaphthene-d10	10.62	164	75405	20.00	ng		-0.01
63) Phenanthrene-d10	12.45	188	144385	20.00	ng		-0.01
75) Chrysene-d12	15.73	240	149068	20.00	ng		-0.01
86) Perylene-d12	17.54	264	150620	20.00	ng		0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.16	112	2109	0.98	ng		-0.01
7) Phenol-d6	6.50	99	2608	0.96	ng		0.02
23) Nitrobenzene-d5	7.58	82	1299	0.53	ng		0.00
41) 2,4,6-Tribromophenol	11.61	330	250	0.40	ng		-0.01
44) 2-Fluorobiphenyl	9.81	172	4534	0.86	ng		0.00
78) Terphenyl-d14	14.44	244	4985	0.76	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.49	128	681912	87.59	ng		99
37) 2-Methylnaphthalene	9.34	142	132466	25.06	ng		97
45) 1,1'-Biphenyl	9.93	154	51977	8.43	ng		98
48) Acenaphthylene	10.45	152	127283	16.24	ng		99
51) Acenaphthene	10.66	154	55417	12.56	ng		99
57) Fluorene	11.30	166	94445	17.29	ng		100
70) Phenanthrene	12.48	178	465605	55.75	ng		99
71) Anthracene	12.55	178	170117	20.67	ng		98
74) Fluoranthene	13.94	202	194843	22.12	ng		97
77) Pyrene	14.23	202	277776	29.68	ng		100
80) Benzo(a)anthracene	15.72	228	88310m	9.96	ng		
82) Chrysene	15.77	228	62941	7.55	ng		100
85) Indeno(1,2,3-cd)pyrene	18.84	276	26979m	2.85	ng		
87) Benzo(b)fluoranthene	17.07	252	57760m	6.20	ng		
89) Benzo(a)pyrene	17.47	252	67709	8.33	ng	#	98
91) Benzo(g,h,i)perylene	19.20	276	29803	3.65	ng		95

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

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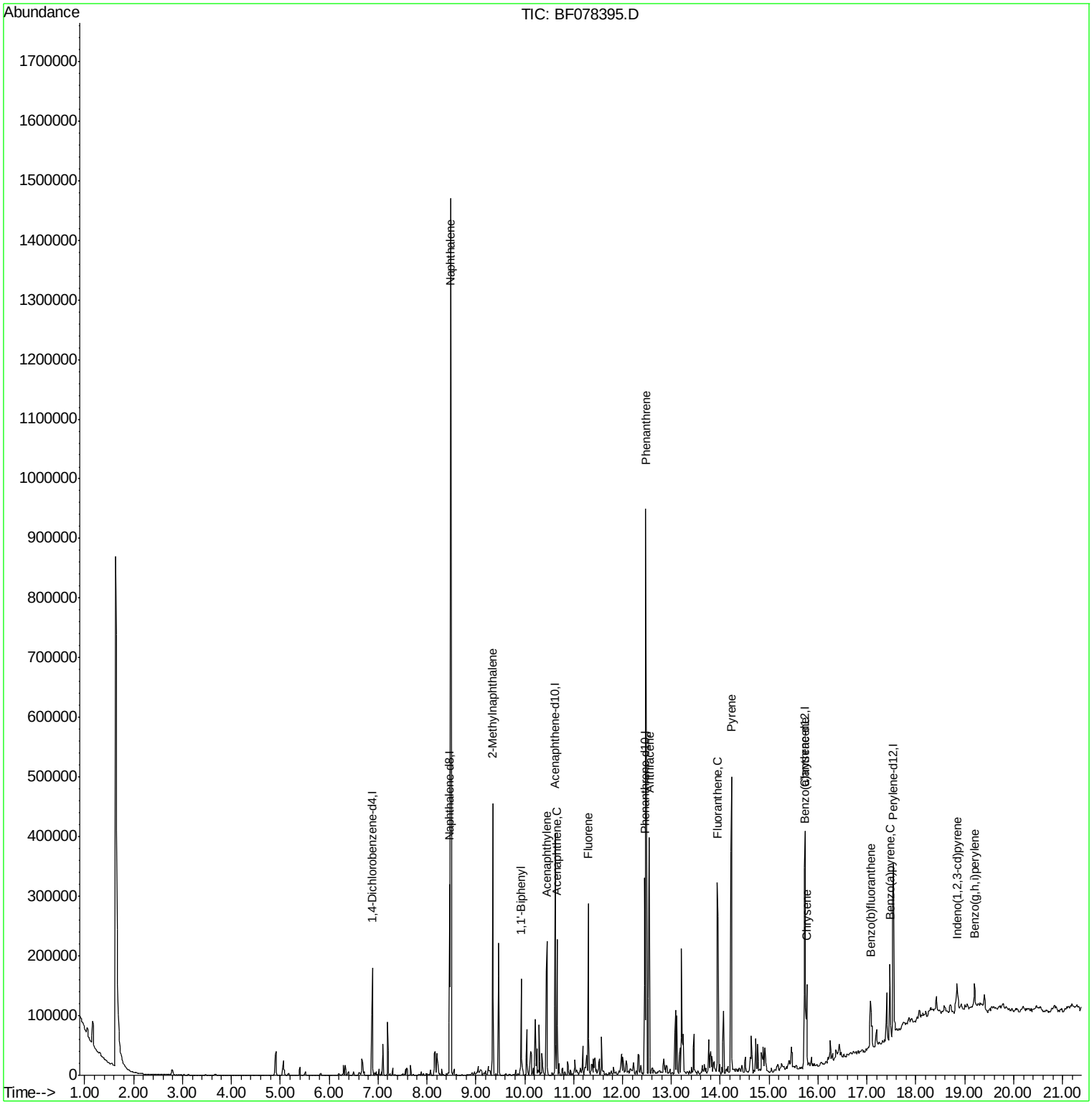
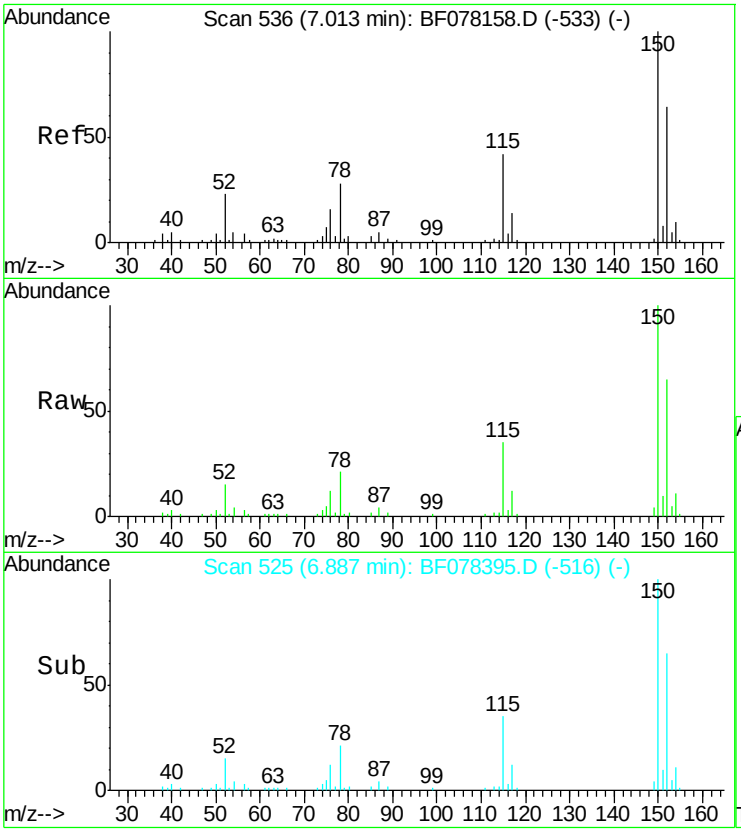
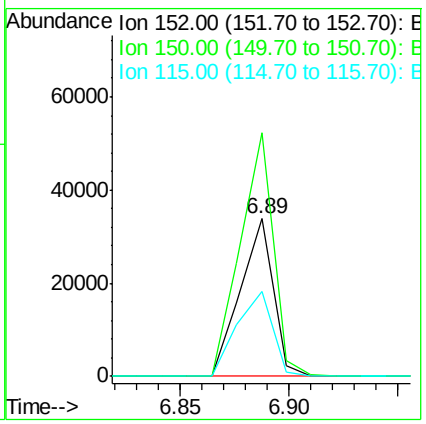




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:152 Resp: 35588

Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.9	188.9
115	54.2	52.7	79.1



Instrument :
BNA_F
ClientSampleId :
SB-4DDL

Manual Integrations APPROVED
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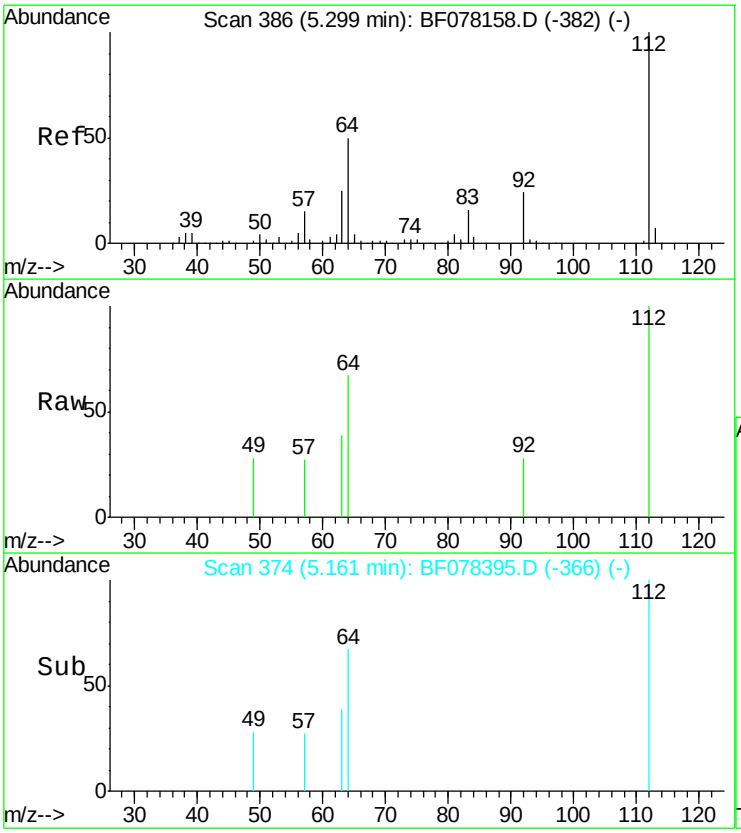
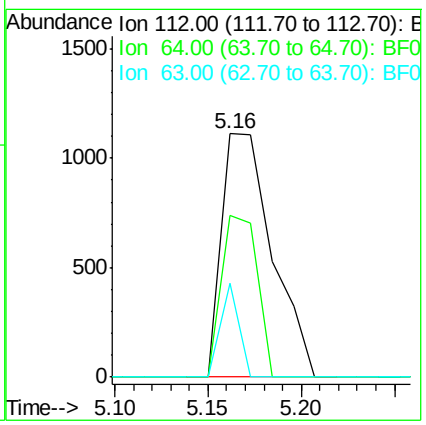
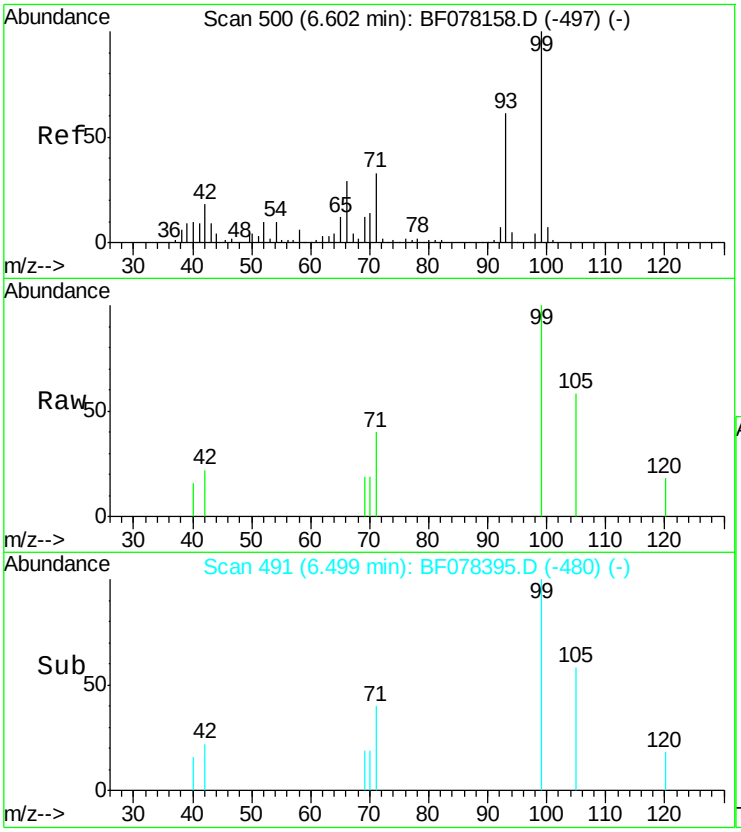


#5
2-Fluorophenol
Concen: 0.98 ng
RT: 5.16 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:112 Resp: 2109

Ion	Ratio	Lower	Upper
112	100		
64	66.6	39.9	59.9#
63	38.6	20.2	30.4#

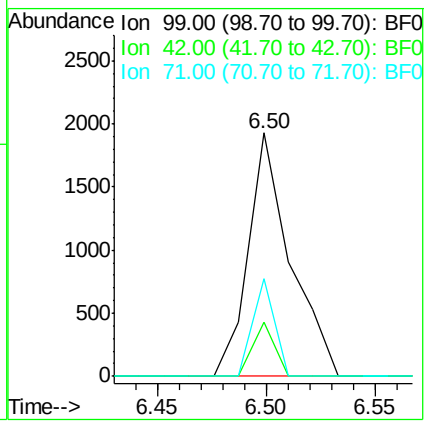




#7
Phenol-d6
Concen: 0.96 ng
RT: 6.50 min Scan# 491
Delta R.T. 0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion: 99 Resp: 2608

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.8	22.2
71	40.0	26.6	39.8#



Instrument :
BNA_F
ClientSampleId :
SB-4DDL

Manual Integrations APPROVED
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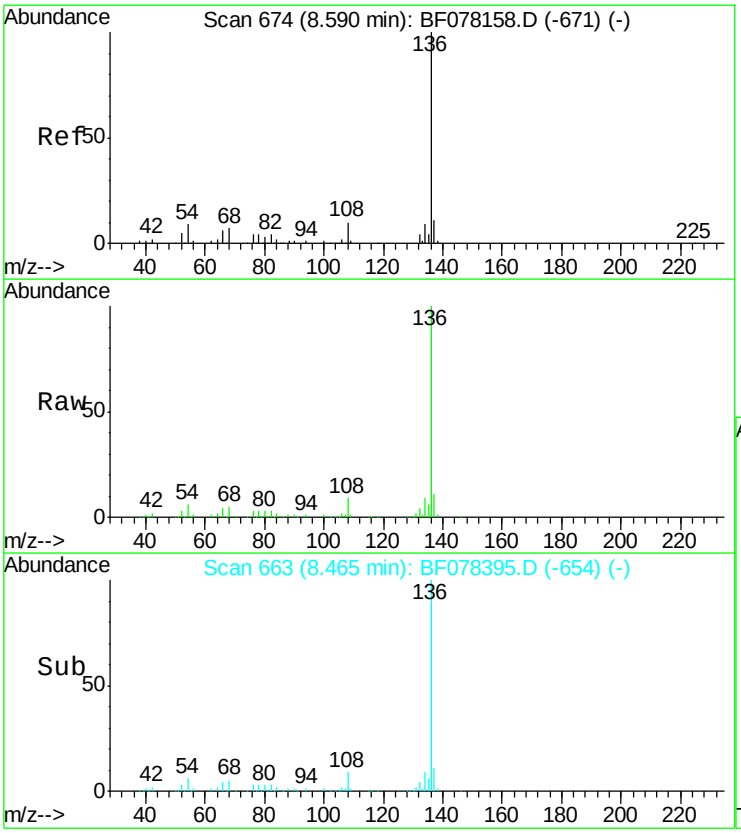
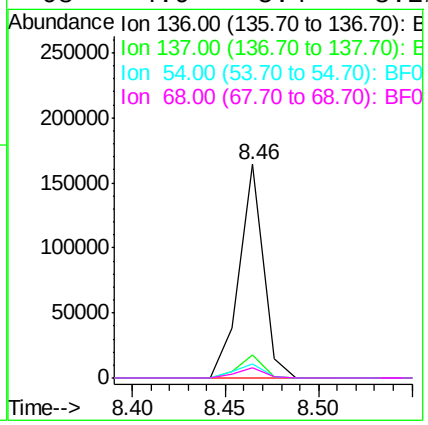
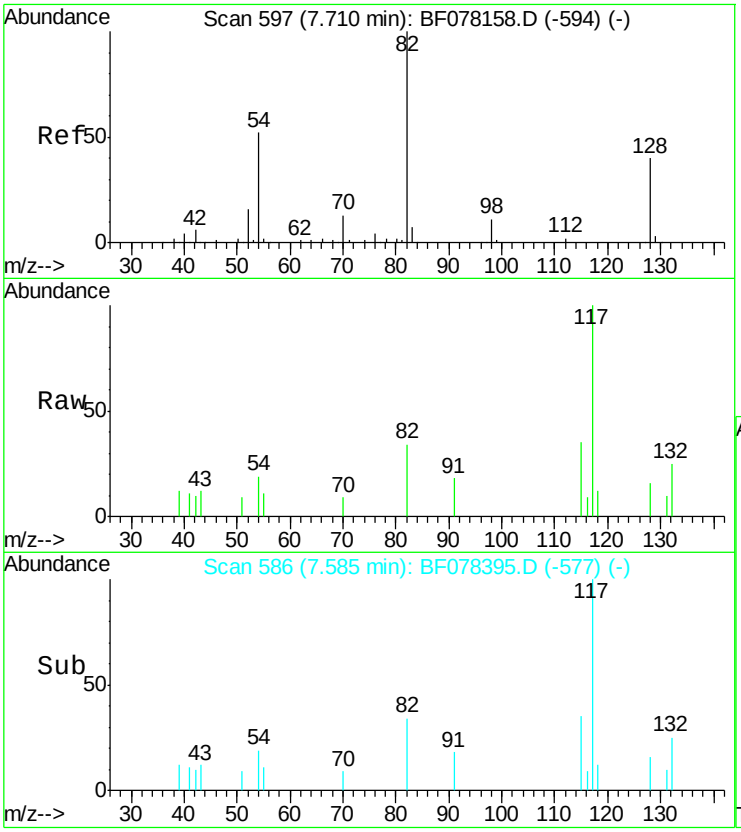


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.46 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:136 Resp: 149577

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.4	7.0	10.6#
68	4.9	5.4	8.2#

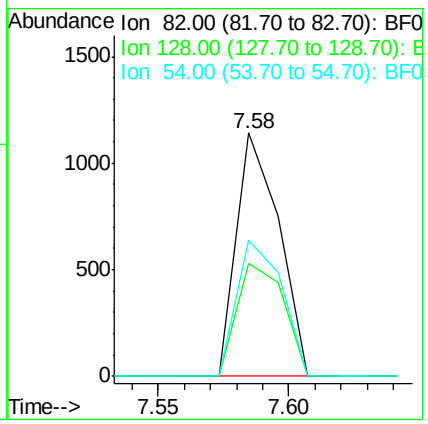




#23
Nitrobenzene-d5
Concen: 0.53 ng
RT: 7.58 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion: 82 Resp: 1299

Ion	Ratio	Lower	Upper
82	100		
128	46.2	31.8	47.8
54	56.1	41.5	62.3



Instrument :
BNA_F
ClientSampleId :
SB-4DDL

Manual Integrations APPROVED
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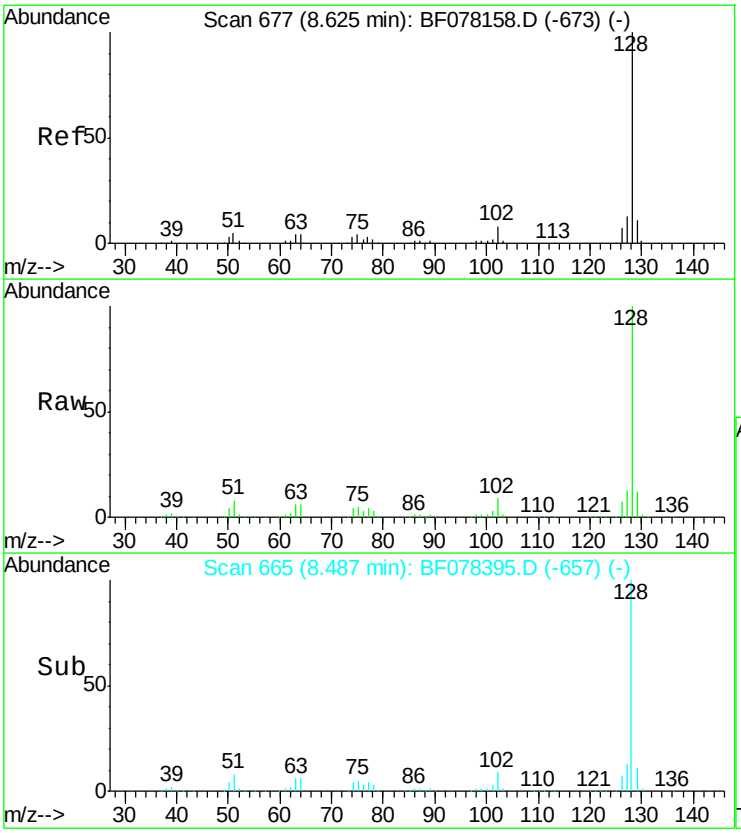
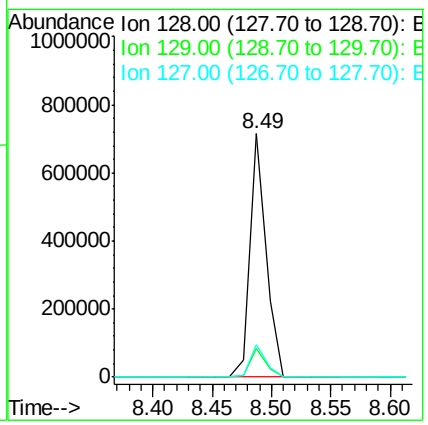
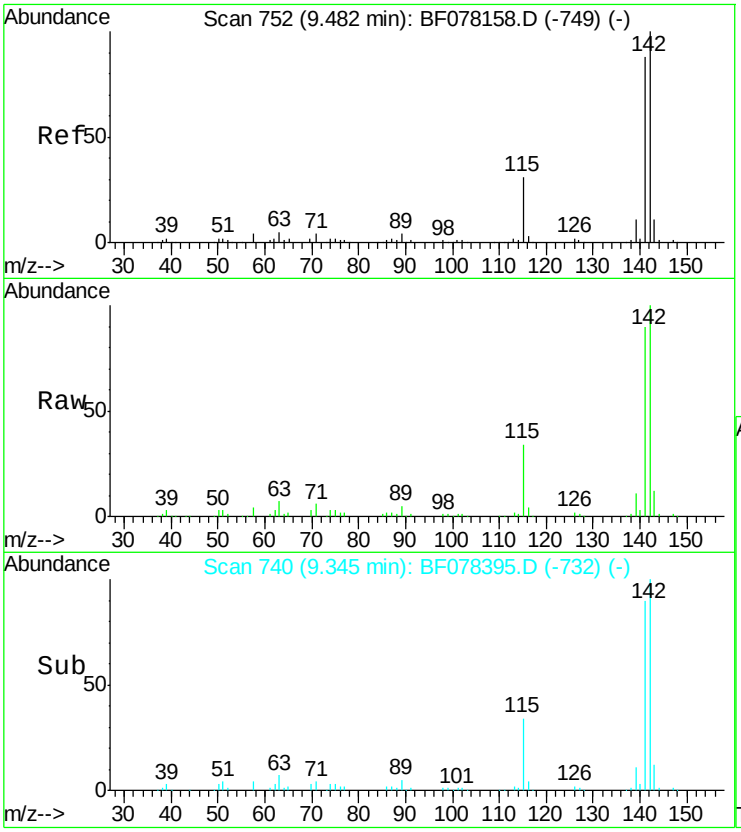


#31
Naphthalene
Concen: 87.59 ng
RT: 8.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:128 Resp: 681912

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.3	10.7	16.1

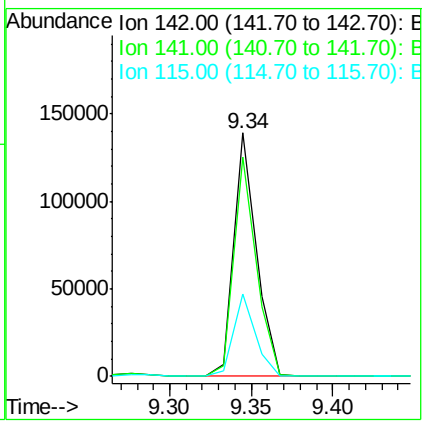




#37
2-Methylnaphthalene
Concen: 25.06 ng
RT: 9.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:142 Resp: 132466

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.3	105.5
115	33.7	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
SB-4DDL

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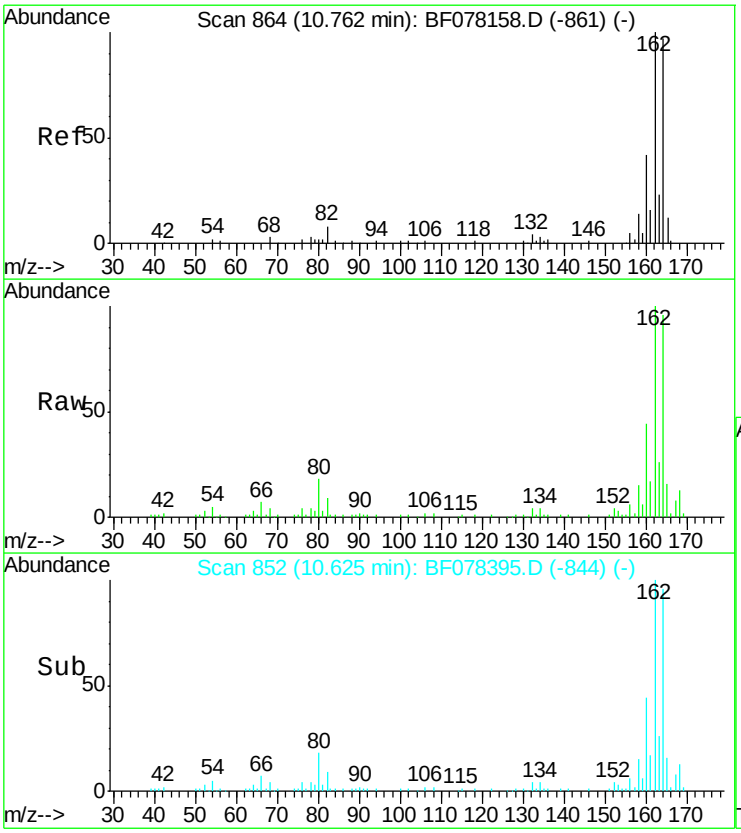
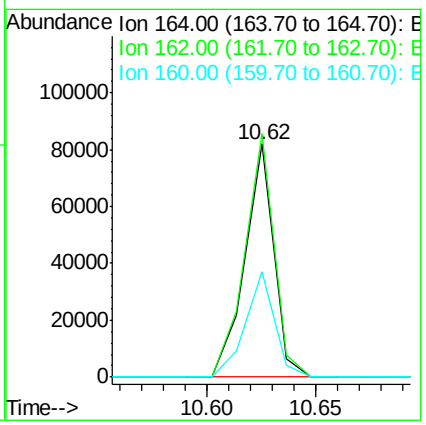
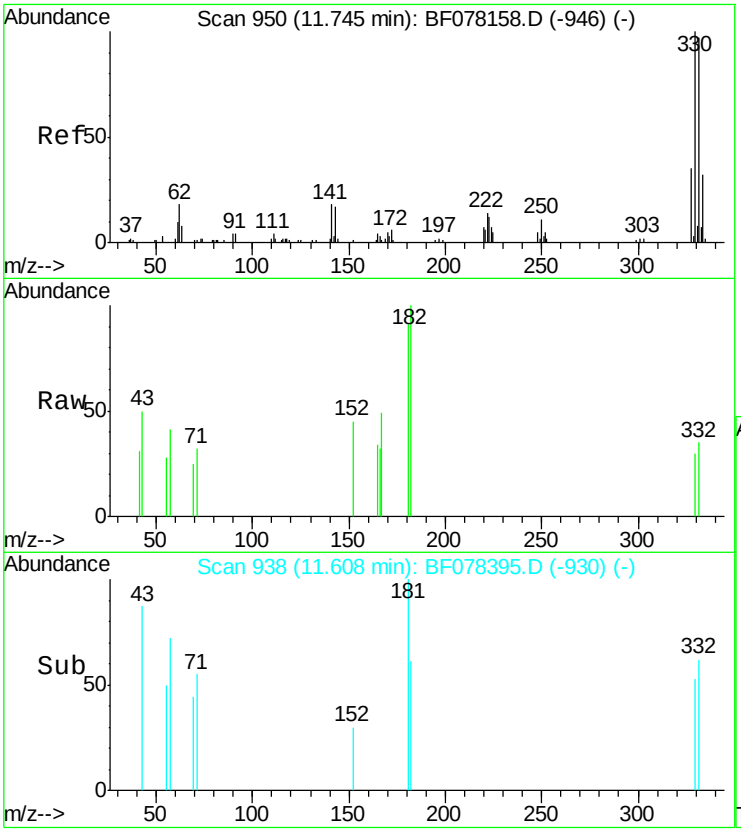


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:164 Resp: 75405

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.2	123.2
160	45.4	34.7	52.1

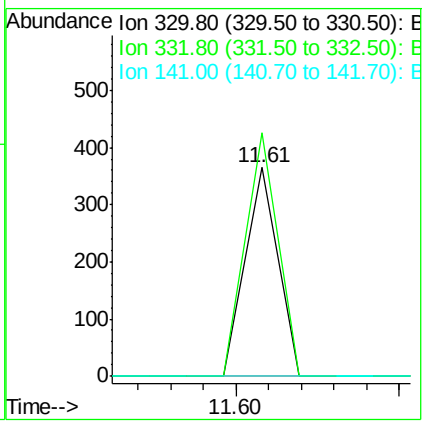




#41
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 11.61 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:330 Resp: 250

Ion	Ratio	Lower	Upper
330	100		
332	116.8	78.6	117.8
141	0.0	31.2	46.8#



Instrument :
BNA_F
ClientSampleId :
SB-4DDL

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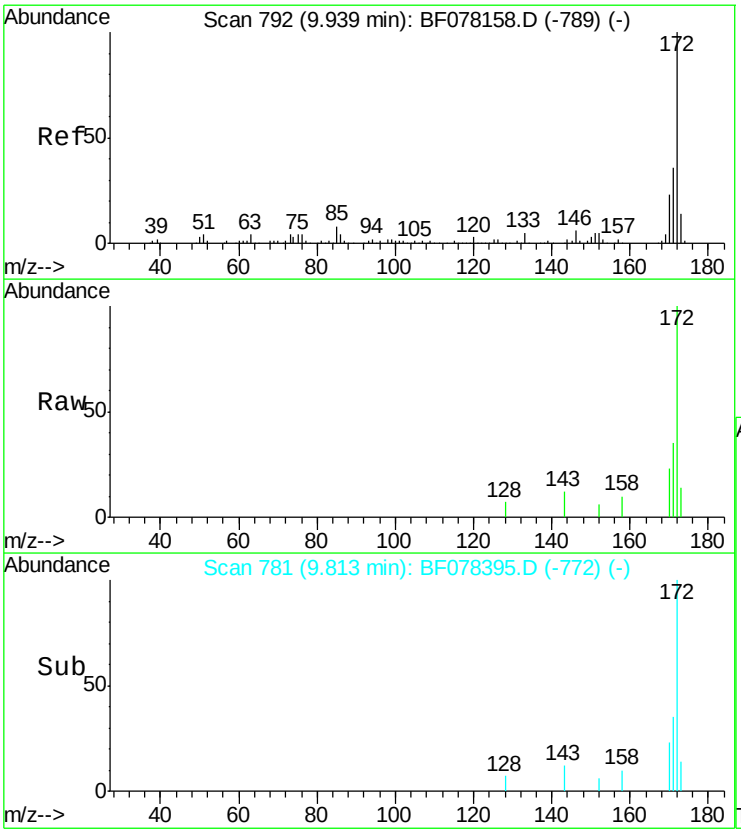
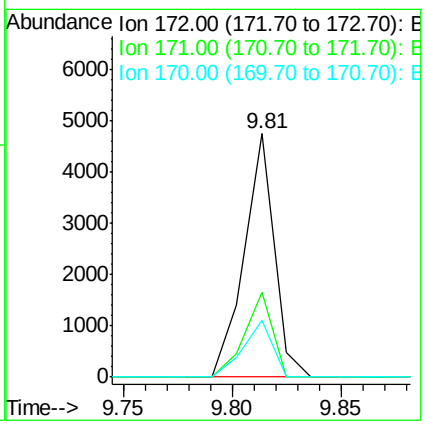
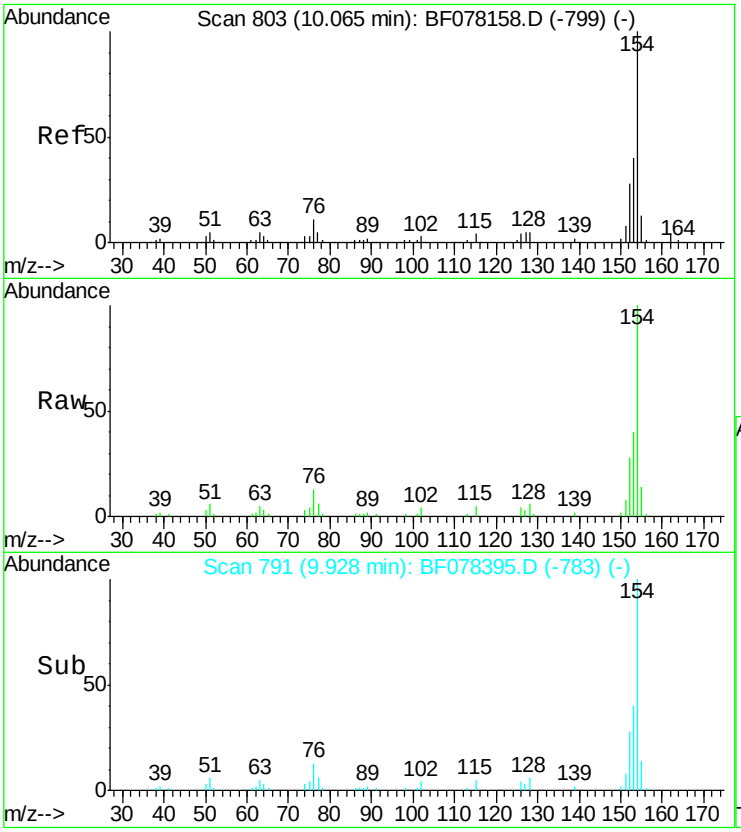


#44
2-Fluorobiphenyl
Concen: 0.86 ng
RT: 9.81 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:172 Resp: 4534

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.2	18.5	27.7

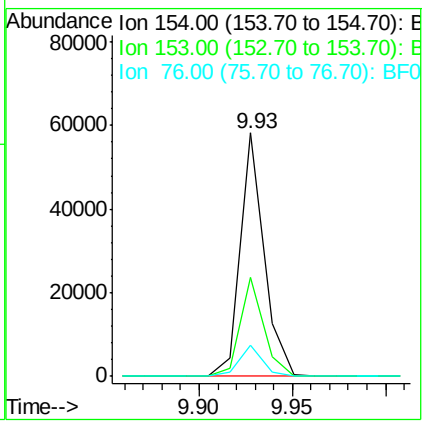




#45
1,1'-Biphenyl
Concen: 8.43 ng
RT: 9.93 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:154 Resp: 51977

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.0	60.0
76	12.6	0.0	30.6



Instrument :
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ClientSampleId :
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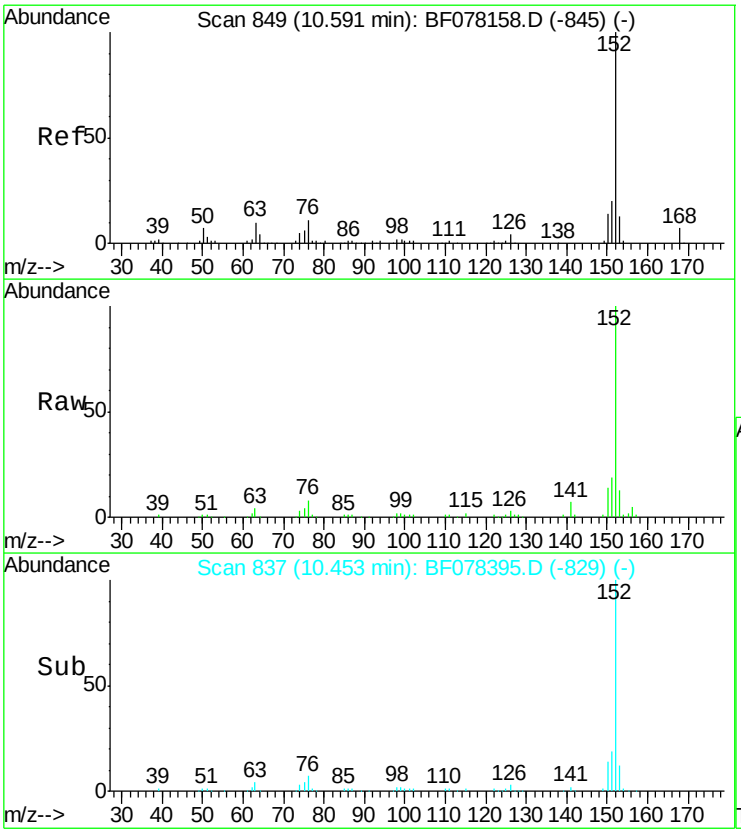
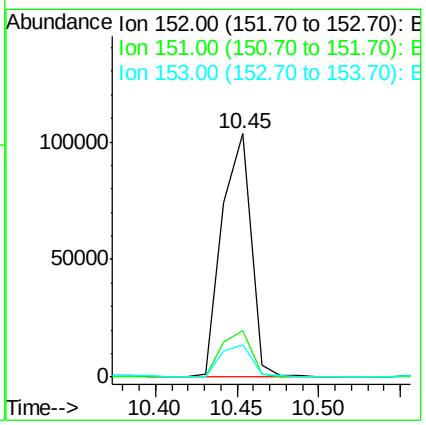
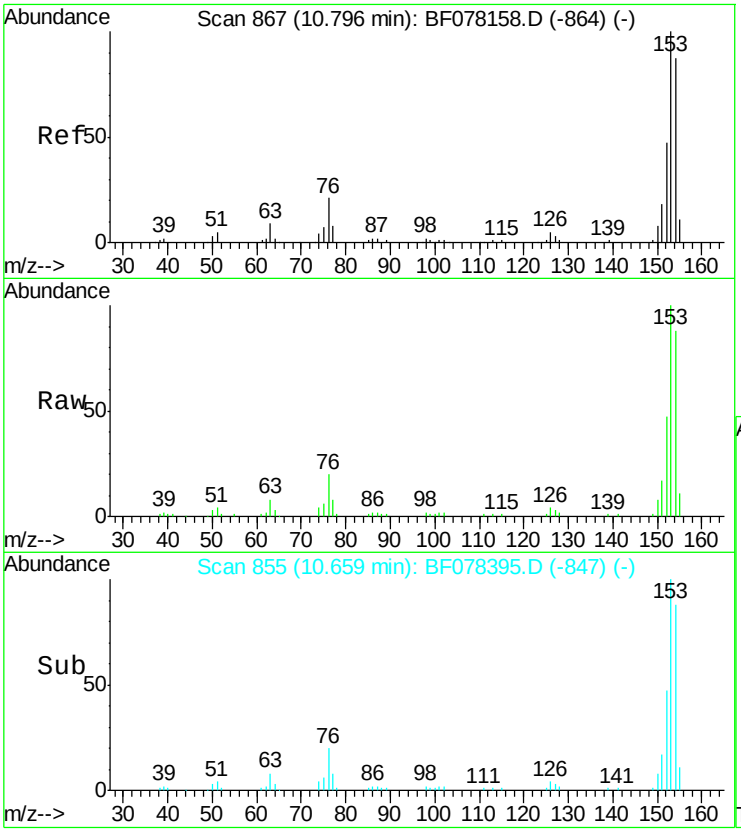


#48
Acenaphthylene
Concen: 16.24 ng
RT: 10.45 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:152 Resp: 127283

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	13.3	10.2	15.2

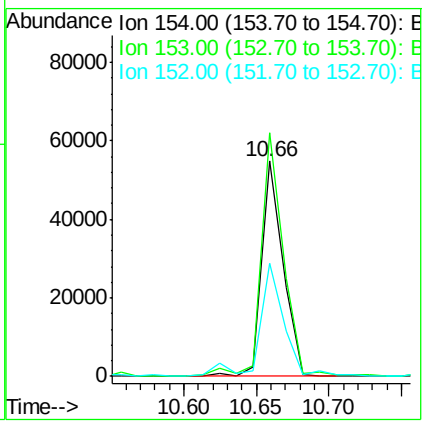




#51
Acenaphthene
Concen: 12.56 ng
RT: 10.66 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:154 Resp: 55417

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.4	137.2
152	52.9	43.0	64.6



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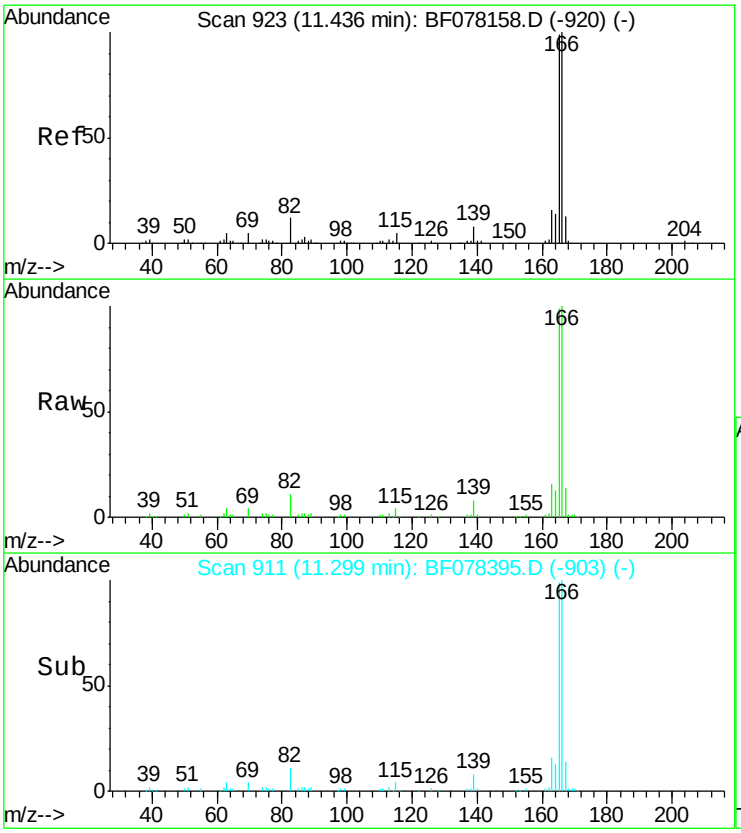
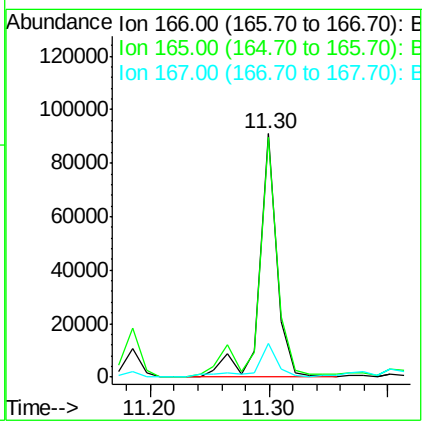
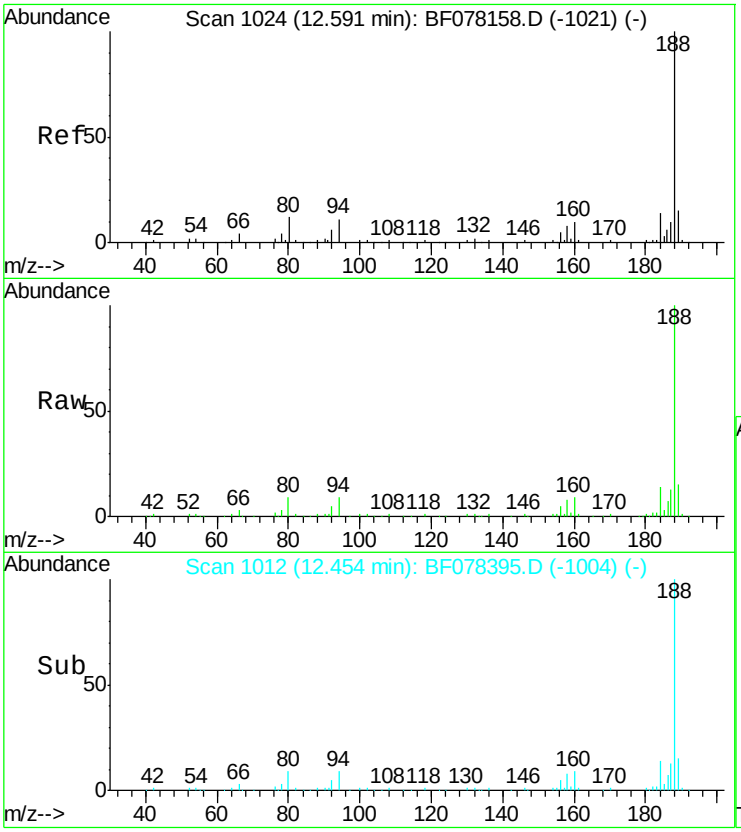


#57
Fluorene
Concen: 17.29 ng
RT: 11.30 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:166 Resp: 94445

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.9	118.3
167	13.6	10.7	16.1





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.45 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:188 Resp: 144385

Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	9.0	9.5	14.3#

Instrument :
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ClientSampleId :
SB-4DDL

Manual Integrations APPROVED
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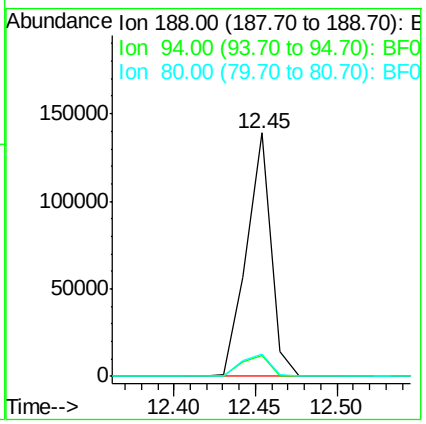
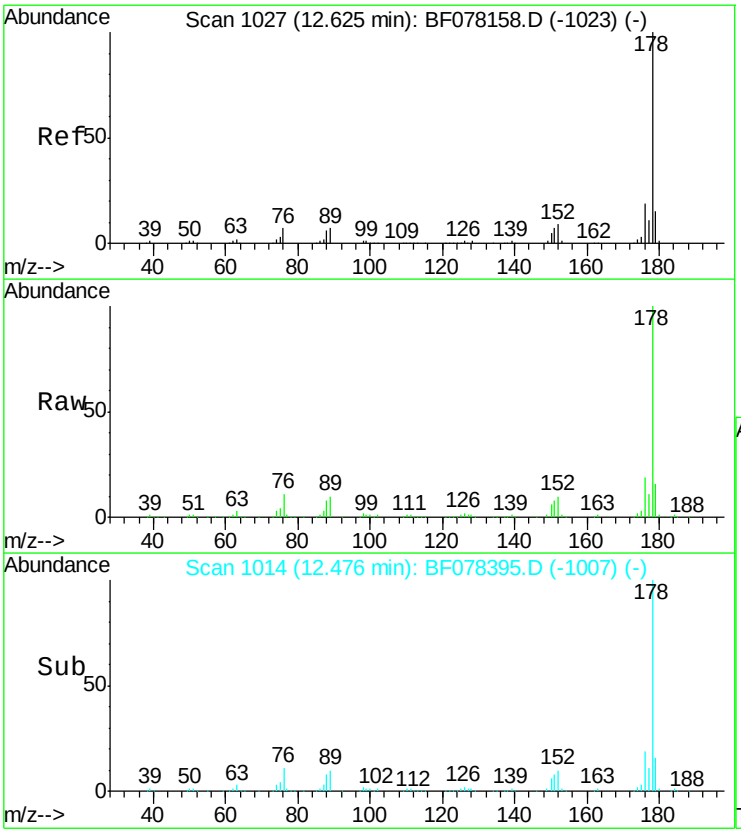
4/10/2015 5:13:58 PM

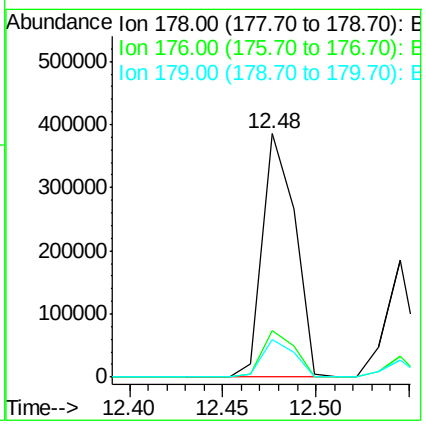


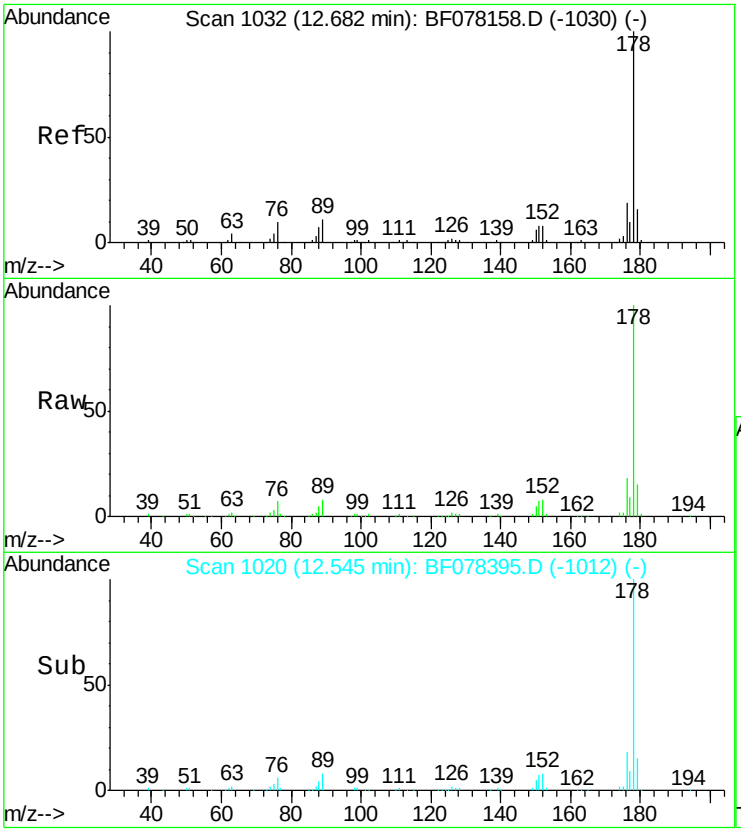


#70
Phenanthrene
Concen: 55.75 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:178 Resp: 465605

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.7	12.2	18.2

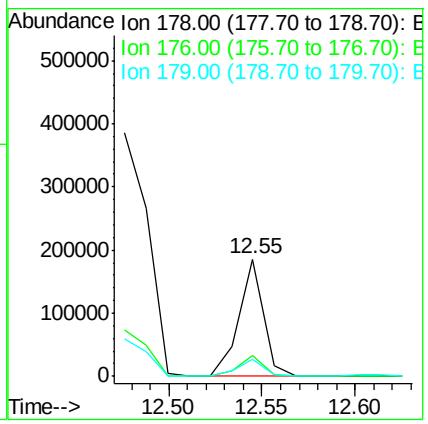




#71
Anthracene
Concen: 20.67 ng
RT: 12.55 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:178 Resp: 170117

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.8	22.2
179	15.0	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
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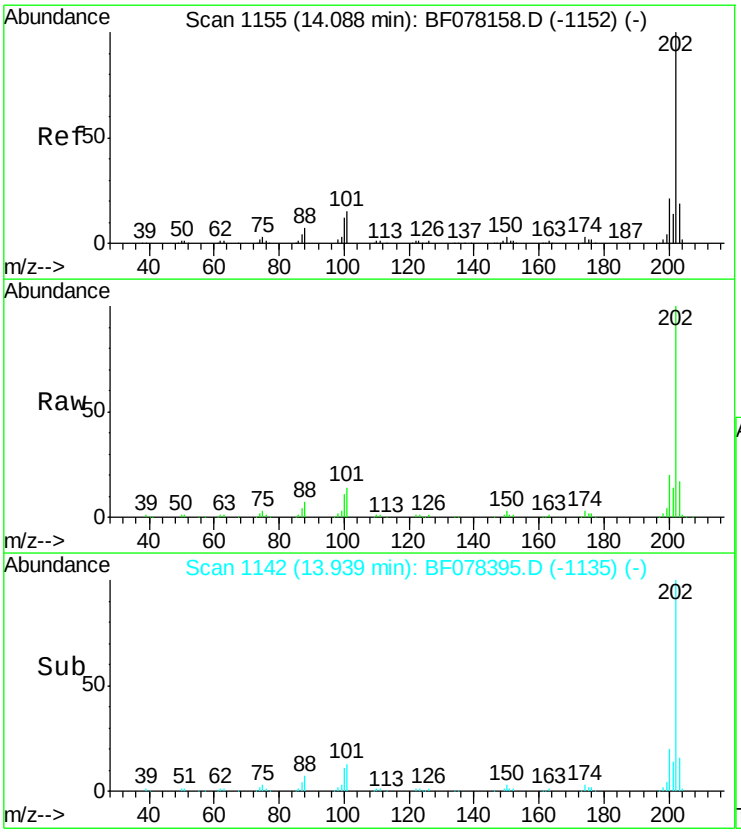
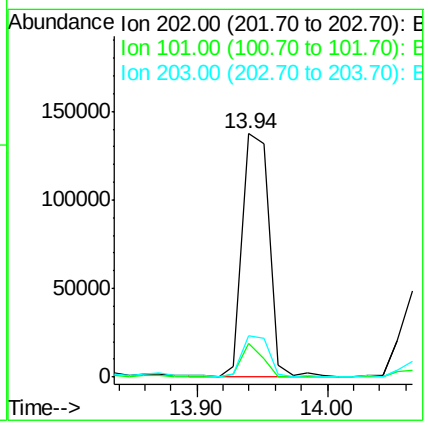
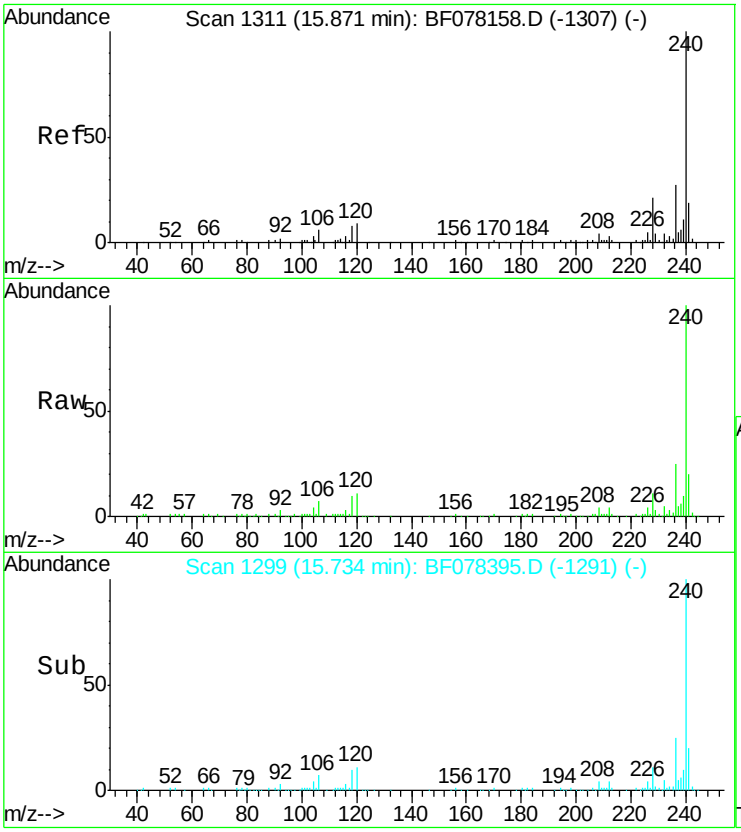


#74
Fluoranthene
Concen: 22.12 ng
RT: 13.94 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:202 Resp: 194843

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	35.2
203	17.2	0.0	38.5

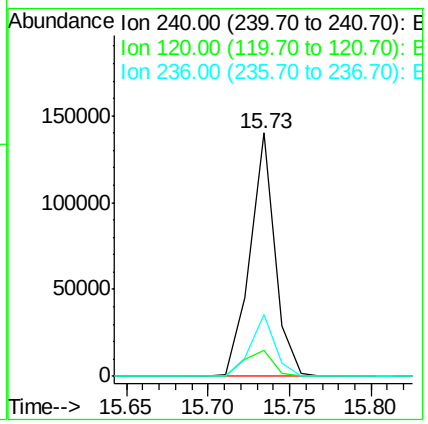




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:240 Resp: 149068

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.1	10.7#
236	25.1	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
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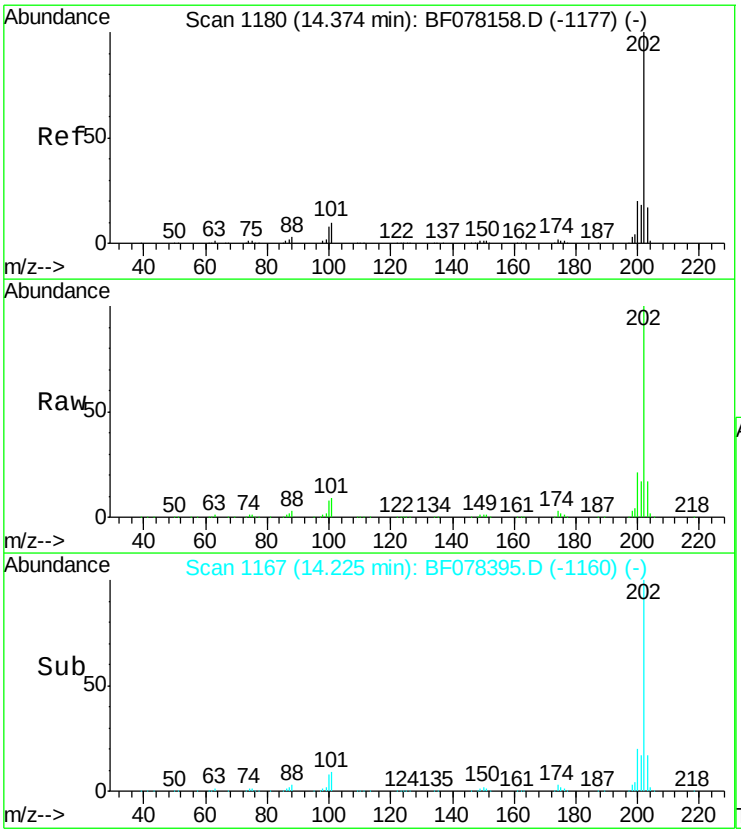
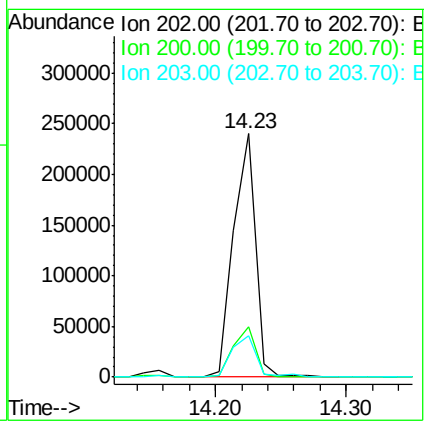
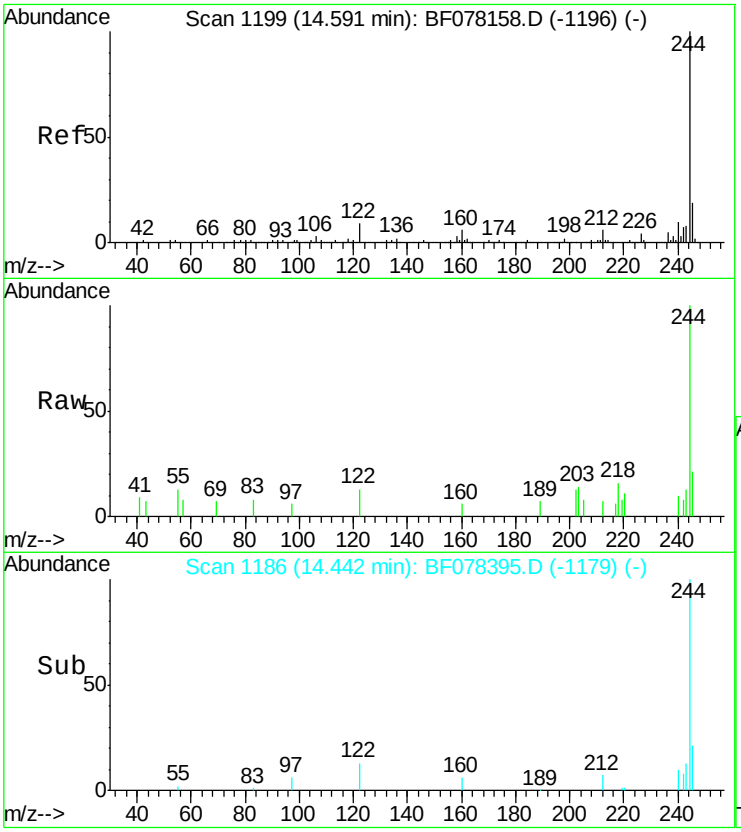


#77
Pyrene
Concen: 29.68 ng
RT: 14.23 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:202 Resp: 277776

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	17.0	13.8	20.6

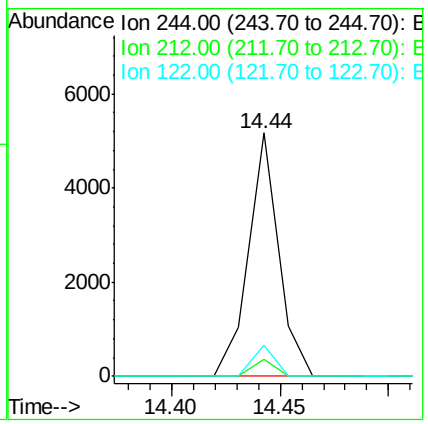




#78
Terphenyl-d14
Concen: 0.76 ng
RT: 14.44 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:244 Resp: 4985

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	12.6	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
SB-4DDL

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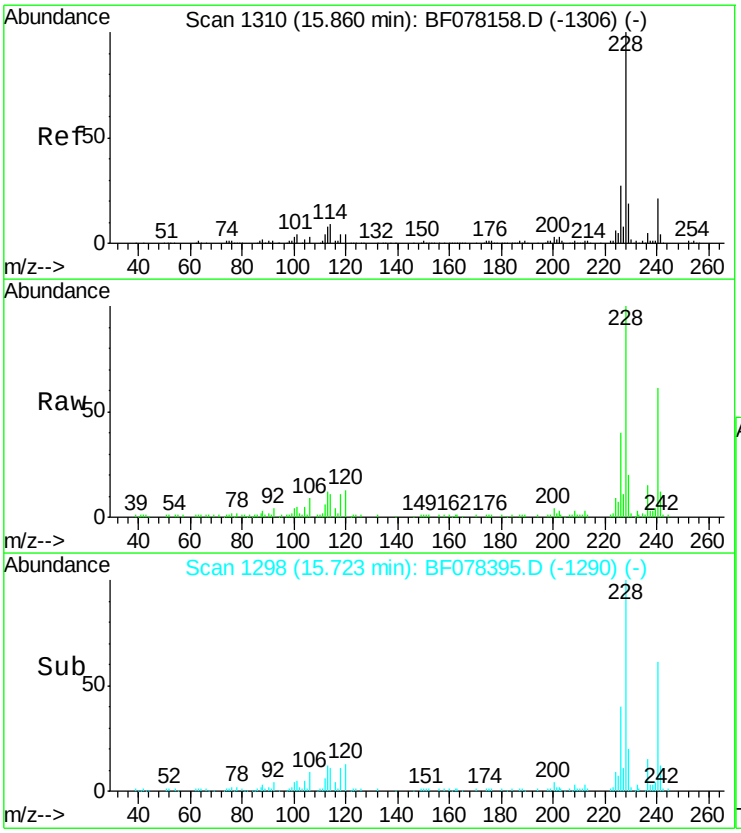
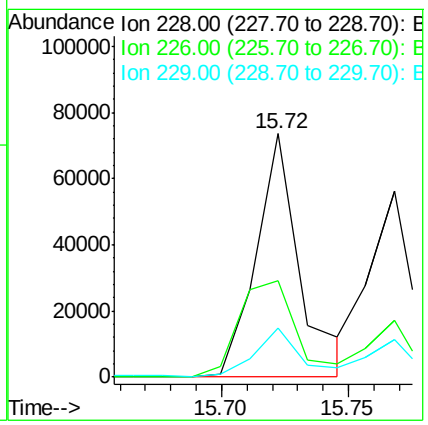
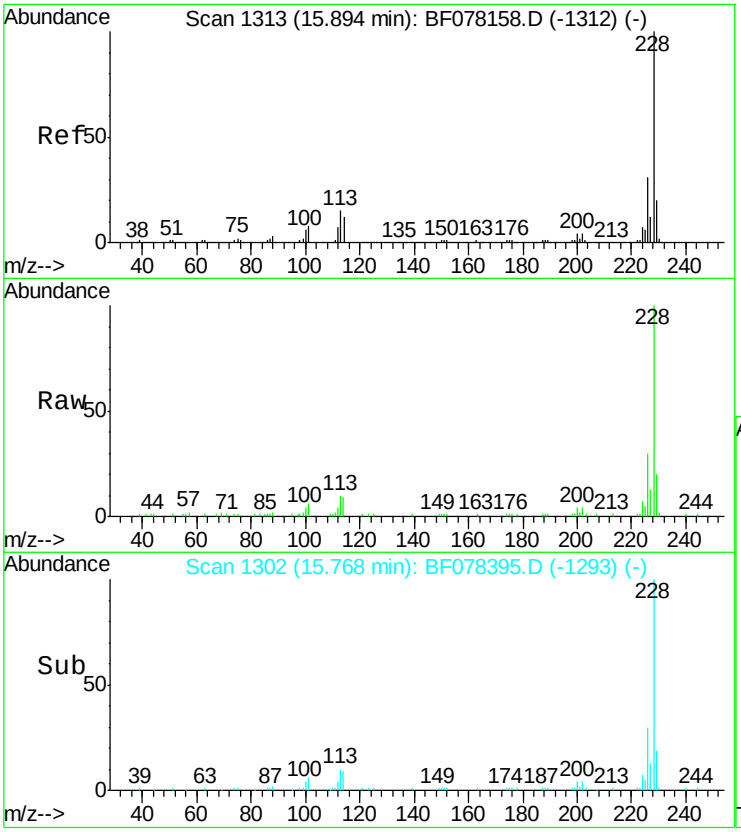


#80
Benzo(a)anthracene
Concen: 9.96 ng m
RT: 15.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:228 Resp: 88310

Ion	Ratio	Lower	Upper
228	100		
226	39.6	21.3	31.9#
229	20.2	15.4	23.2

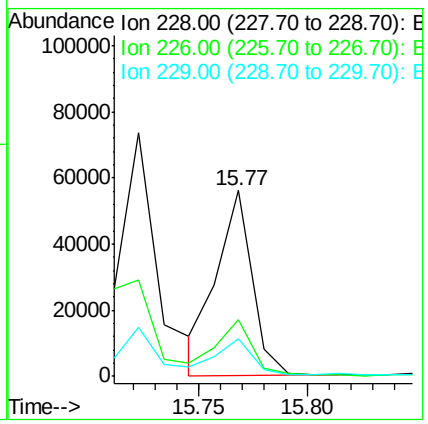




#82
Chrysene
Concen: 7.55 ng
RT: 15.77 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:228 Resp: 62941

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	19.9	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
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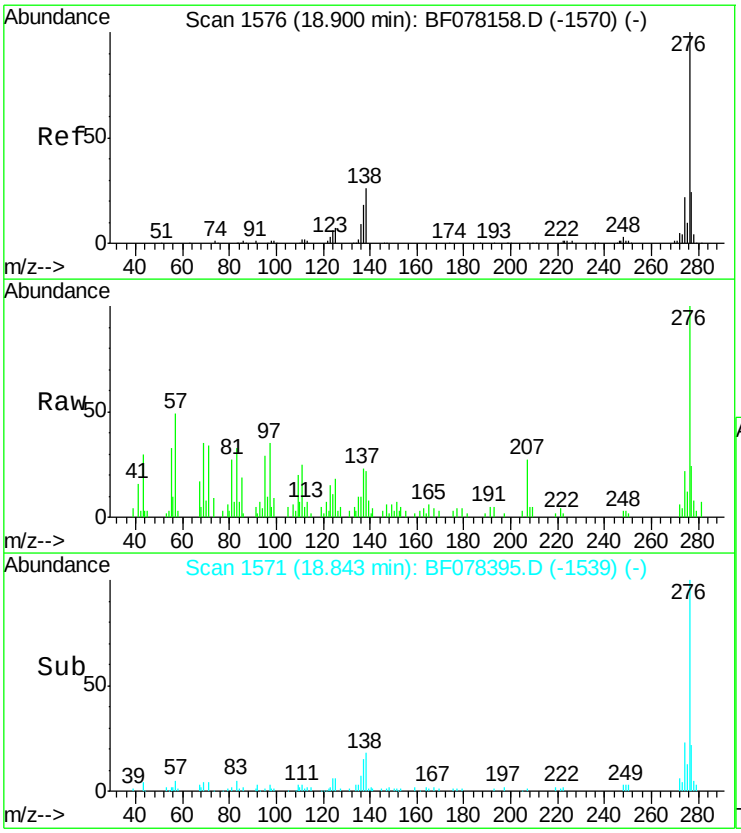
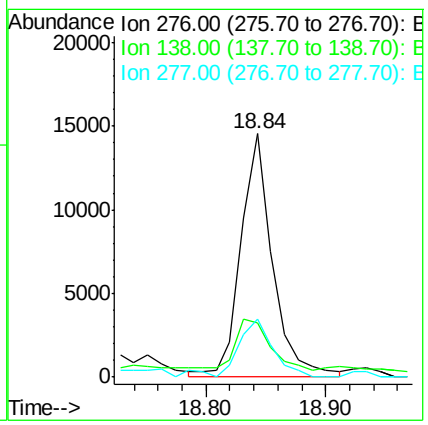
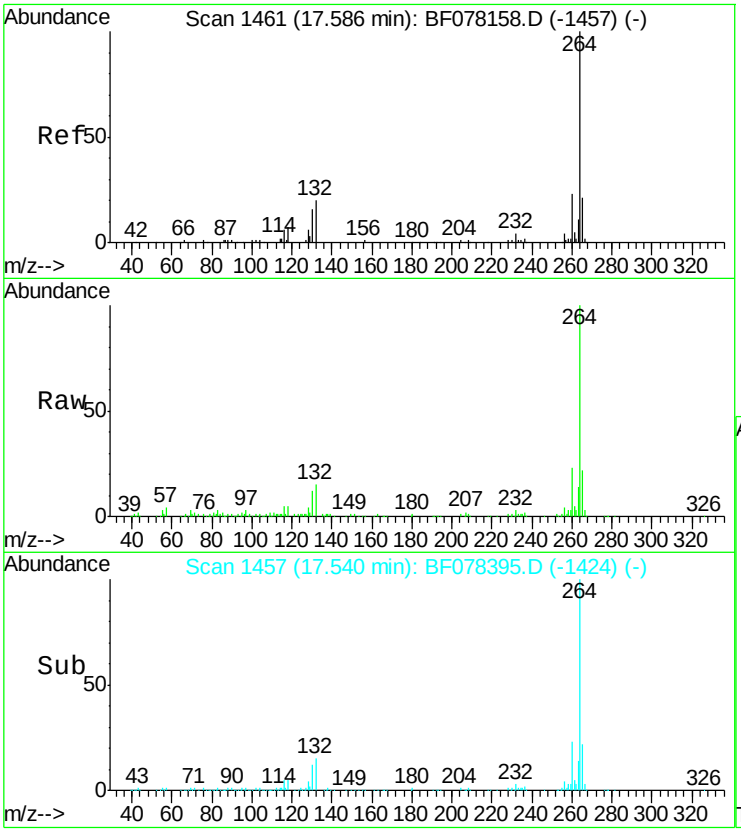


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.85 ng m
RT: 18.84 min Scan# 1571
Delta R.T. 0.07 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:276 Resp: 26979

Ion	Ratio	Lower	Upper
276	100		
138	6.0	16.9	25.3#
277	10.1	15.8	23.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 17.54 min Scan# 1457
Delta R.T. 0.08 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:264 Resp: 150620

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.6	17.0	25.6

Instrument :
BNA_F
ClientSampleId :
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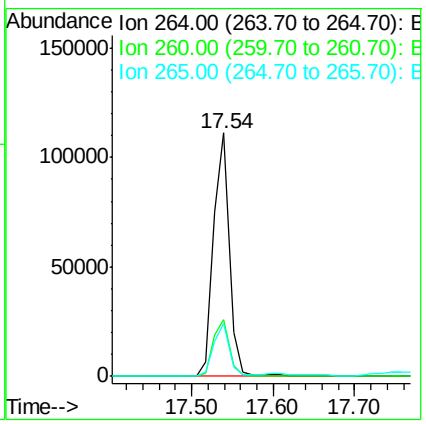
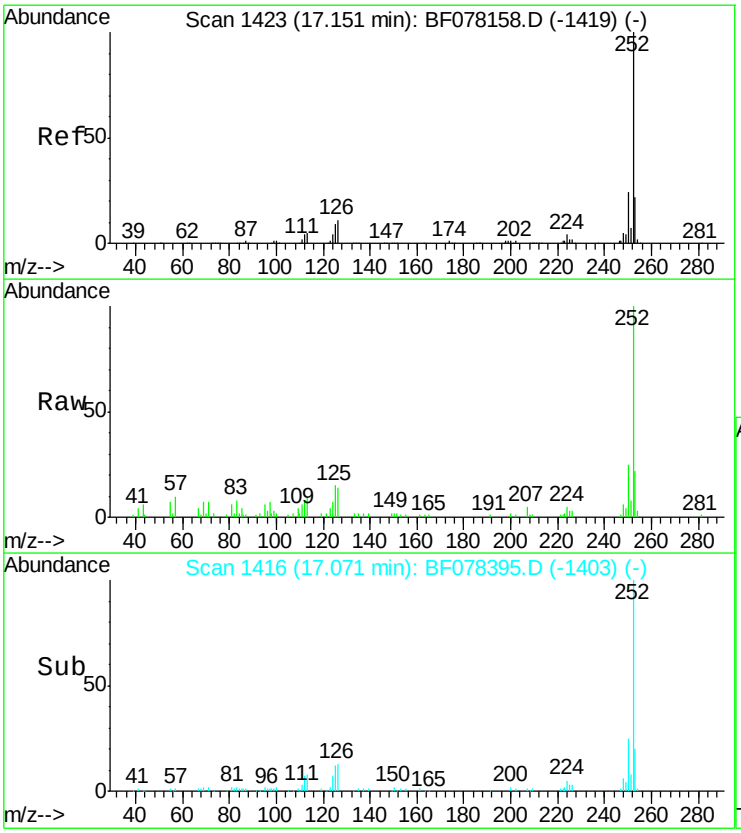
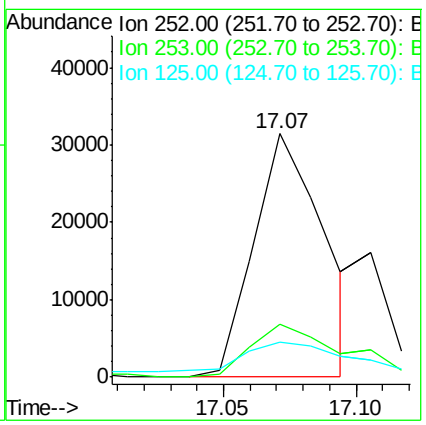


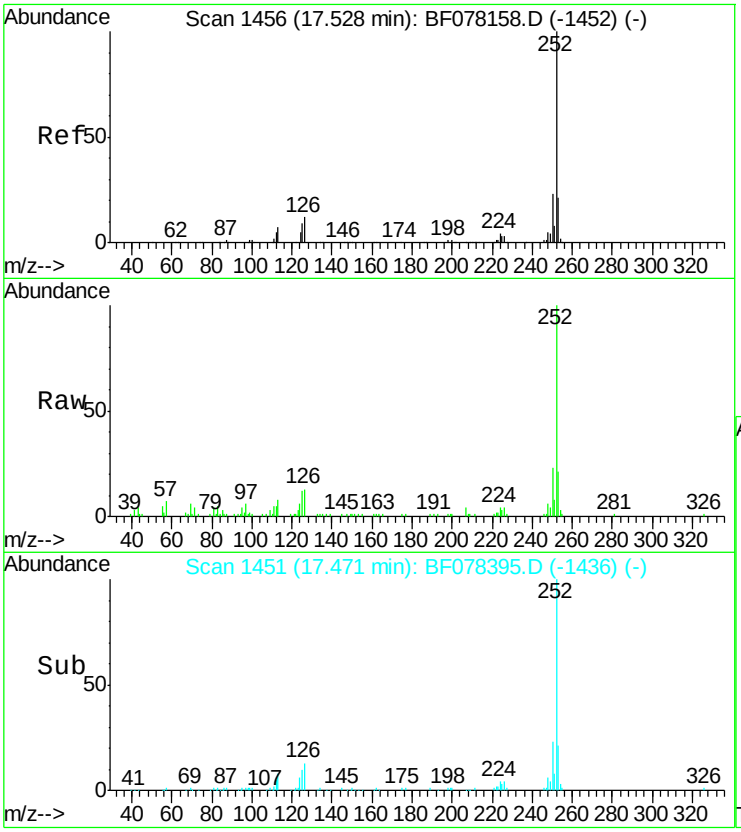


#87
Benzo(b)fluoranthene
Concen: 6.20 ng m
RT: 17.07 min Scan# 1416
Delta R.T. 0.05 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:252 Resp: 57760

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	14.6	7.0	10.4#

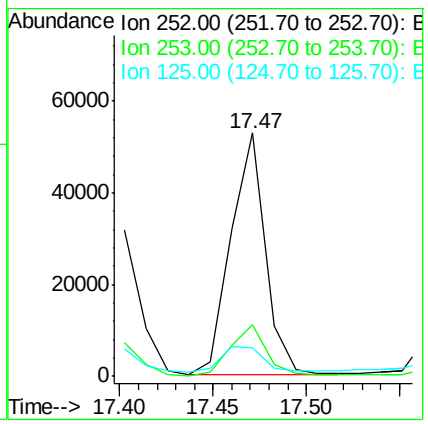




#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.07 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:252 Resp: 67709

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	11.5	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
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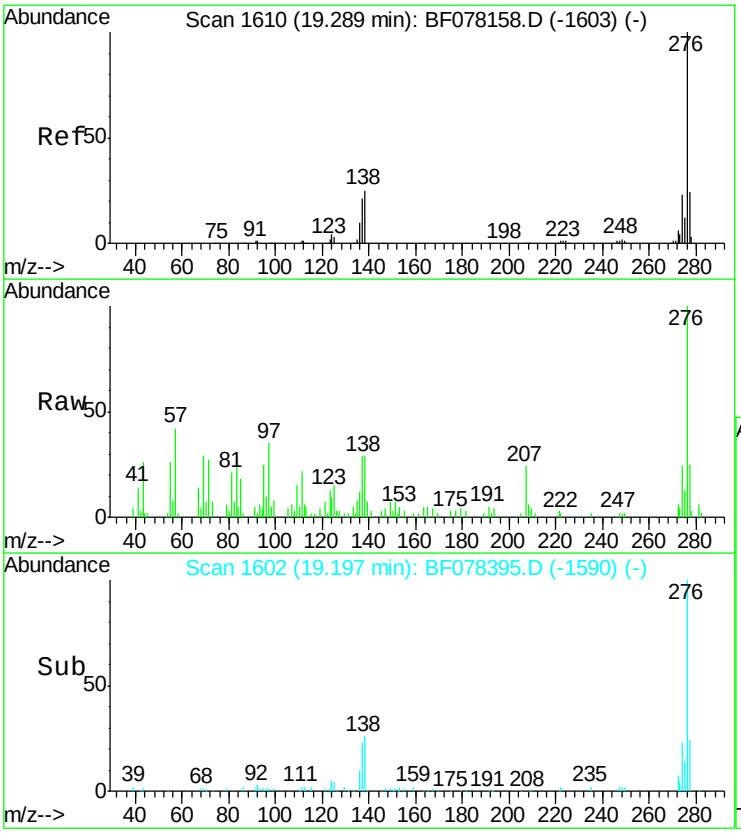

#91
Benzo(g,h,i)perylene
Concen: 3.65 ng
RT: 19.20 min Scan# 1602
Delta R.T. 0.03 min
Lab File: BF078395.D
Acq: 10 Apr 2015 10:40

Tgt Ion:276 Resp: 29803

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	28.8	19.9	29.9