Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\
Data File : BF079150.D
Acq On : 12 May 2015 9:30
Operator : TP/IZ
Sample : G2176-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-12A(3-5)

Manual Integrations APPROVED
apatel
5/12/2015 4:51:36 PM

Quant Time: May 12 15:44:54 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 12 15:22:07 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	50000	20.00	ng		0.00
21) Naphthalene-d8	8.88	136	175050	20.00	ng		0.00
38) Acenaphthene-d10	11.05	164	105673	20.00	ng		0.00
63) Phenanthrene-d10	12.90	188	213743	20.00	ng		0.01
75) Chrysene-d12	16.21	240	238534	20.00	ng		0.01
86) Perylene-d12	17.97	264	269536	20.00	ng		0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	221497	76.26	ng		0.00
7) Phenol-d6	6.87	99	352999	91.94	ng		0.01
23) Nitrobenzene-d5	7.99	82	267358	87.78	ng		0.00
41) 2,4,6-Tribromophenol	12.03	330	132862	116.22	ng		0.00
44) 2-Fluorobiphenyl	10.22	172	455593	60.07	ng		0.00
78) Terphenyl-d14	14.89	244	654054	65.65	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	10.73	163	24466	3.15	ng	#	99
51) Acenaphthene	11.10	154	42024	6.55	ng		97
54) Dibenzofuran	11.30	168	50248	5.42	ng		95
57) Fluorene	11.74	166	36703	4.83	ng		100
70) Phenanthrene	12.93	178	628727	52.58	ng		99
71) Anthracene	12.99	178	159698	13.61	ng		96
72) Carbazole	13.20	167	75211	6.73	ng		99
74) Fluoranthene	14.41	202	884917	71.02	ng		97
77) Pyrene	14.69	202	723128	52.61	ng	#	94
80) Benzo(a)anthracene	16.18	228	445398	34.10	ng		98
82) Chrysene	16.23	228	371578	29.58	ng		98
85) Indeno(1,2,3-cd)pyrene	19.44	276	241033m	15.06	ng		
87) Benzo(b)fluoranthene	17.52	252	497575m	33.73	ng		
88) Benzo(k)fluoranthene	17.54	252	165792m	11.61	ng		
89) Benzo(a)pyrene	17.91	252	333115	24.52	ng		97
90) Dibenzo(a,h)anthracene	19.46	278	61261	4.24	ng	#	85
91) Benzo(g,h,i)perylene	19.89	276	215236	14.87	ng		99

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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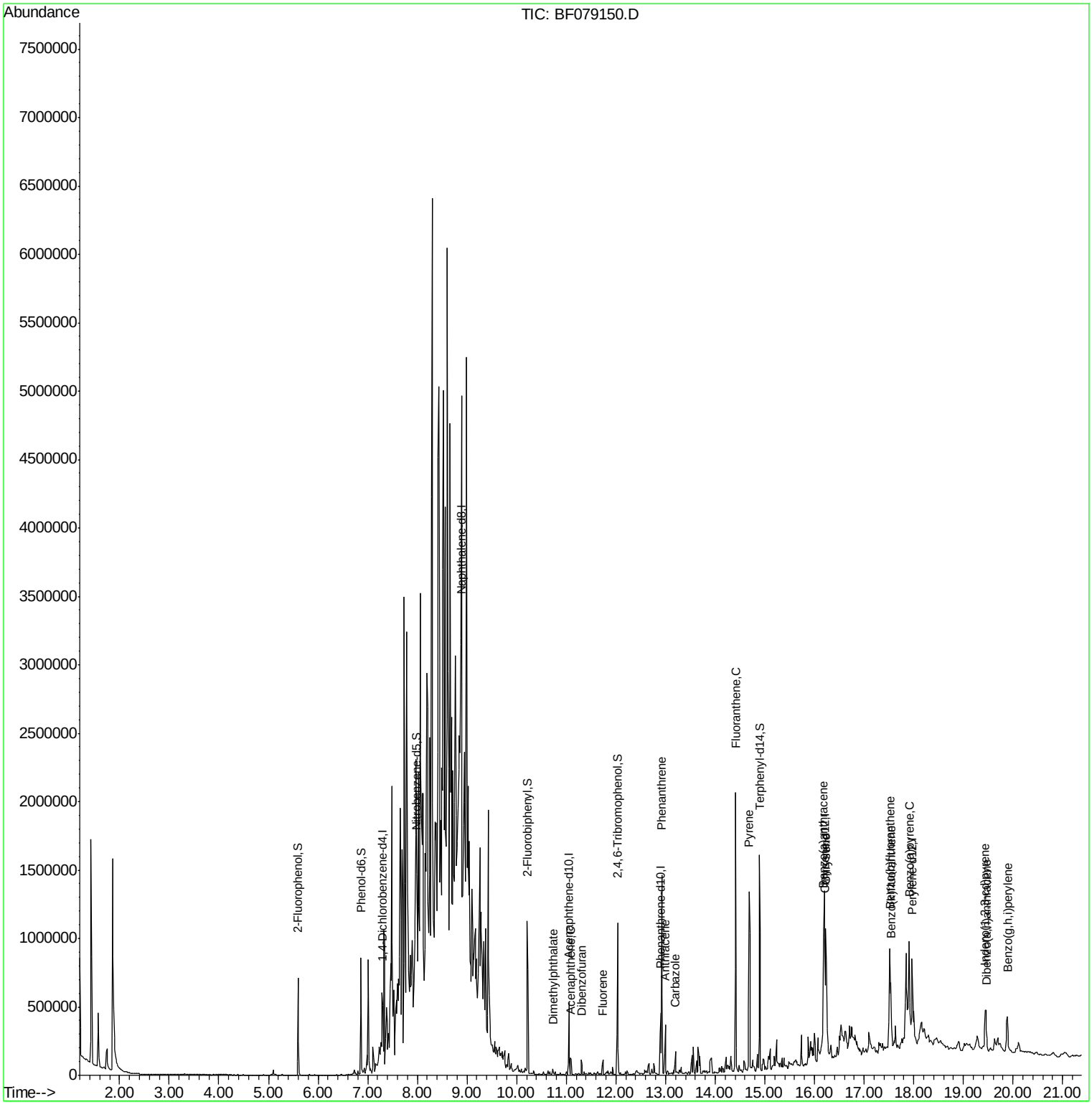
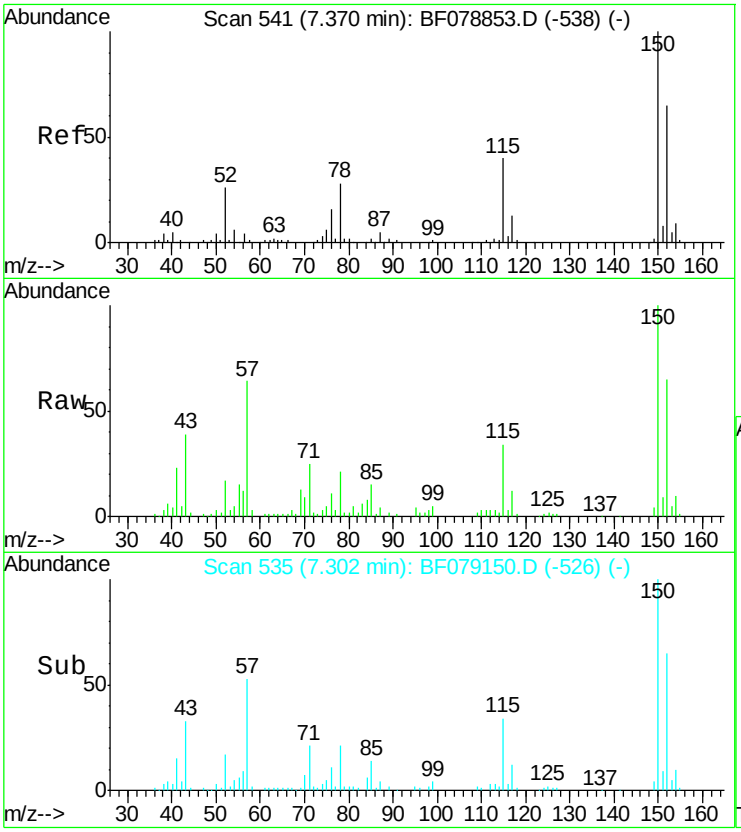
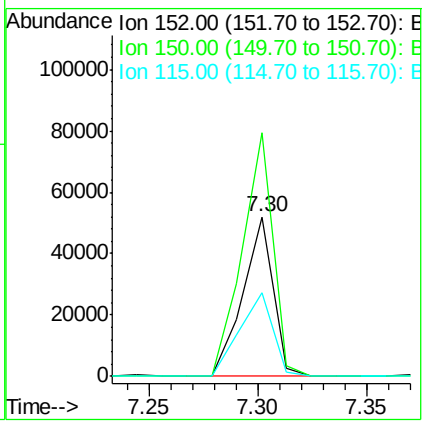




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:152 Resp: 50000

Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.0	183.0
115	52.1	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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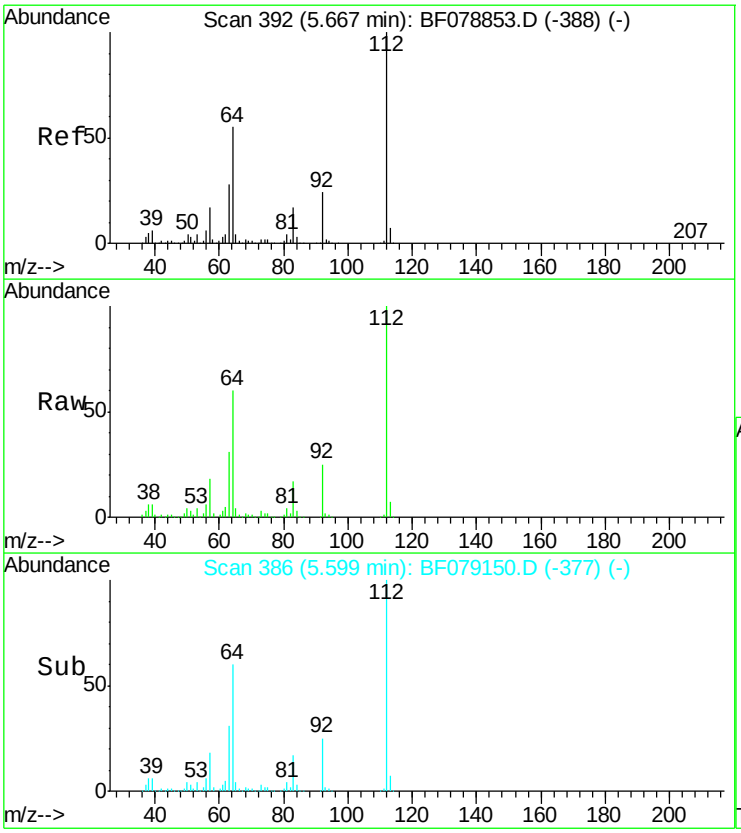
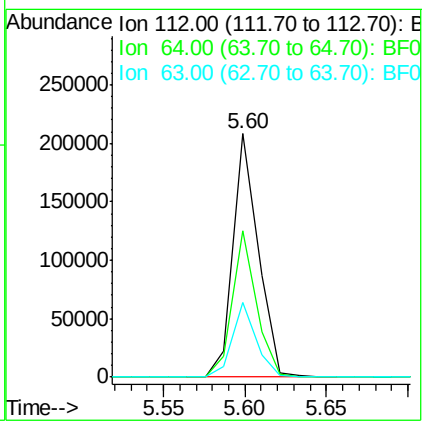
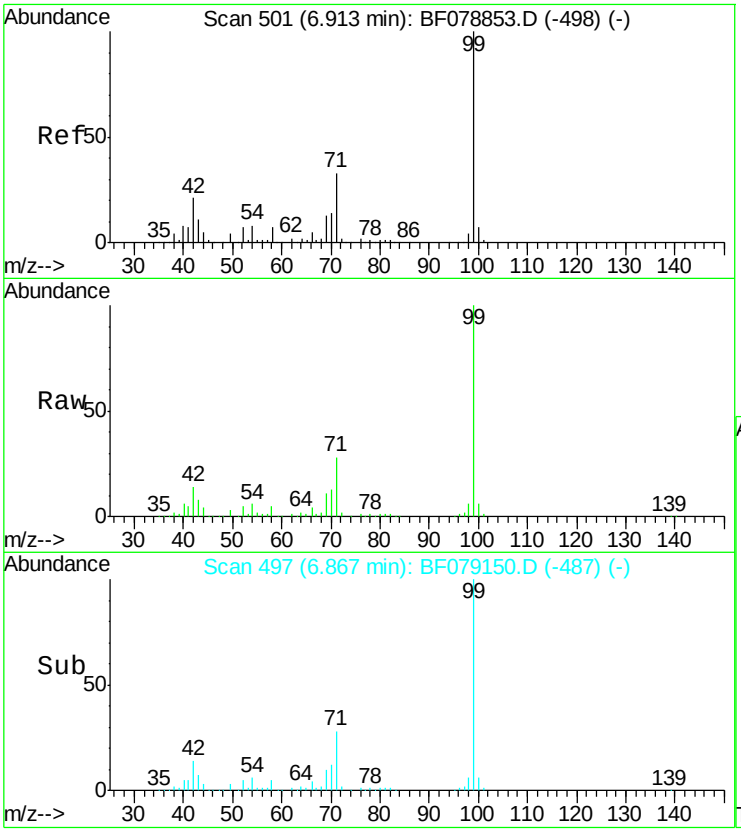


#5
2-Fluorophenol
Concen: 76.26 ng
RT: 5.60 min Scan# 386
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:112 Resp: 221497

Ion	Ratio	Lower	Upper
112	100		
64	60.0	53.5	80.3
63	30.5	27.5	41.3

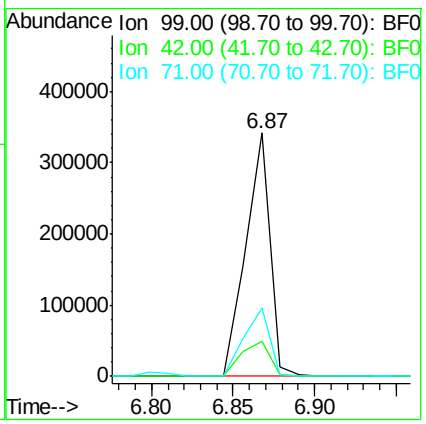




#7
Phenol-d6
Concen: 91.94 ng
RT: 6.87 min Scan# 497
Delta R.T. 0.01 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion: 99 Resp: 352999

Ion	Ratio	Lower	Upper
99	100		
42	14.2	12.8	19.2
71	27.8	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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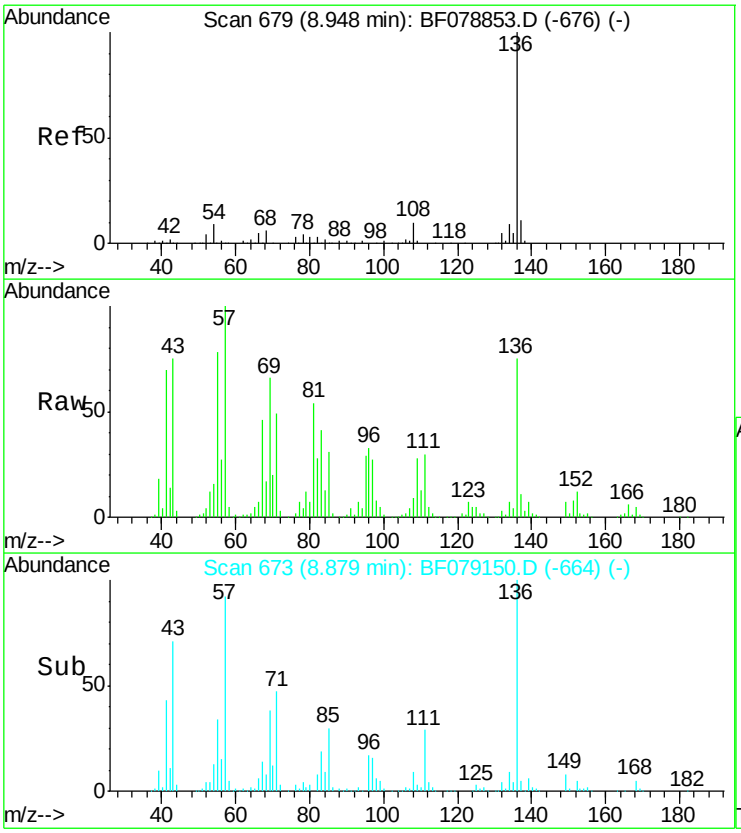
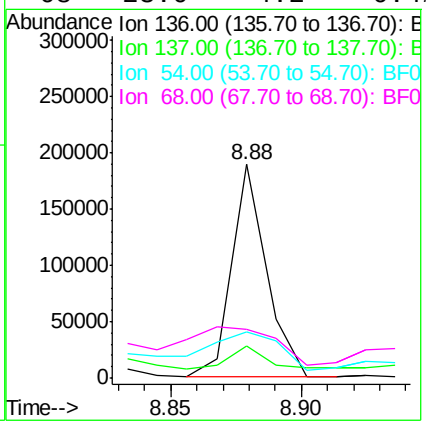
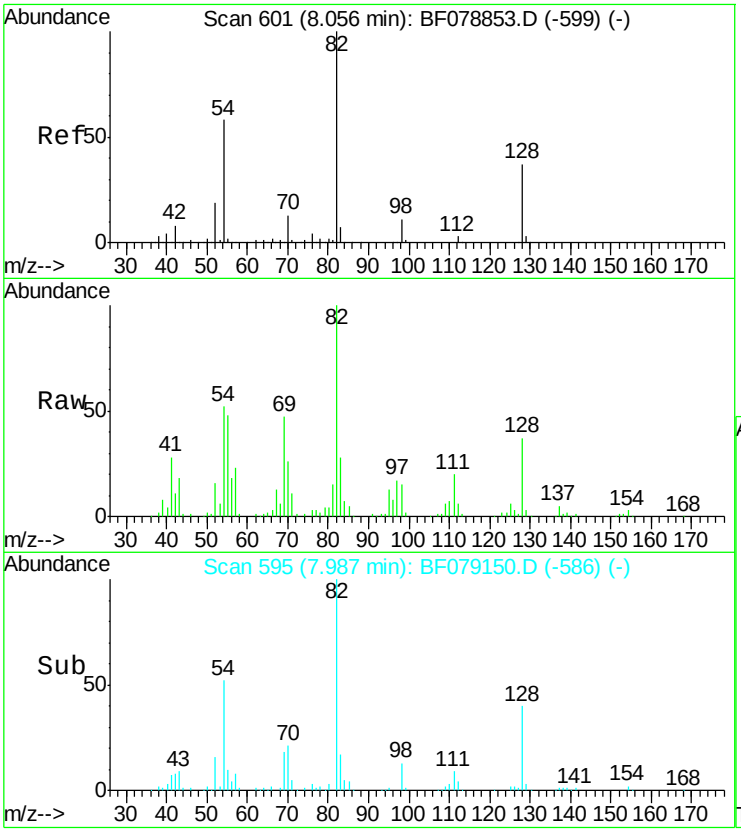


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.88 min Scan# 673
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:136 Resp: 175050

Ion	Ratio	Lower	Upper
136	100		
137	15.2	8.7	13.1#
54	21.4	5.8	8.8#
68	23.0	4.2	6.4#

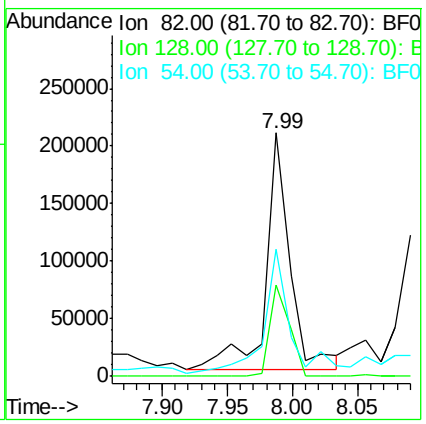




#23
Nitrobenzene-d5
Concen: 87.78 ng
RT: 7.99 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion: 82 Resp: 267358

Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.0	45.0
54	52.4	46.4	69.6



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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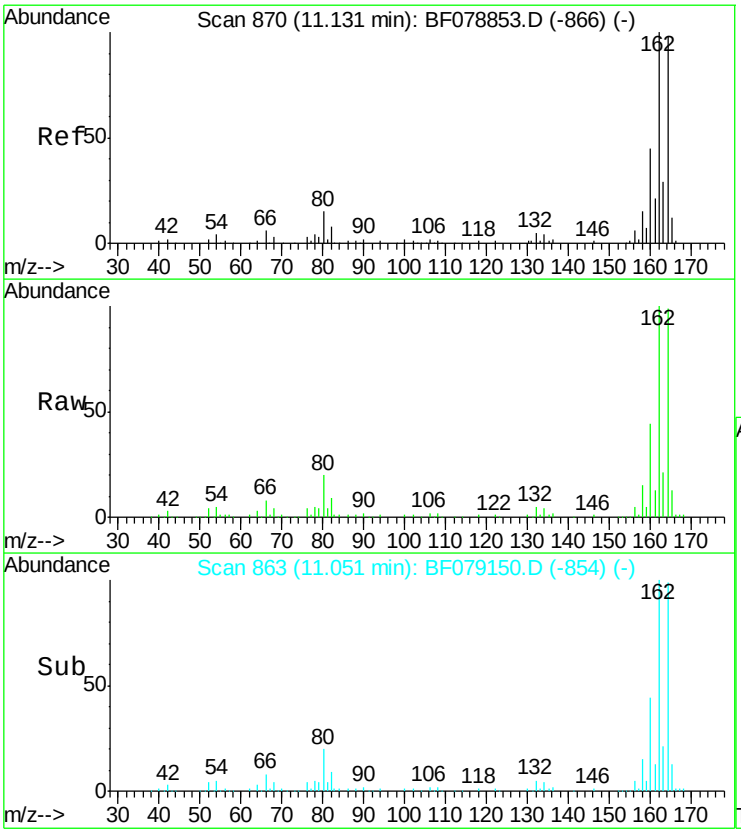
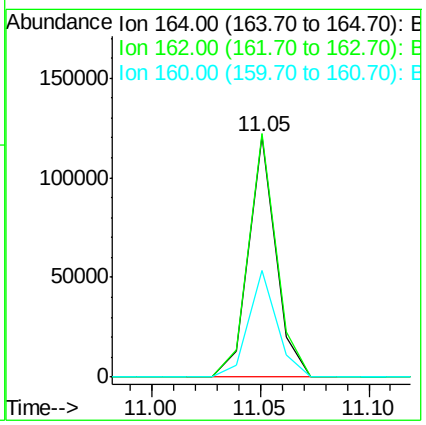
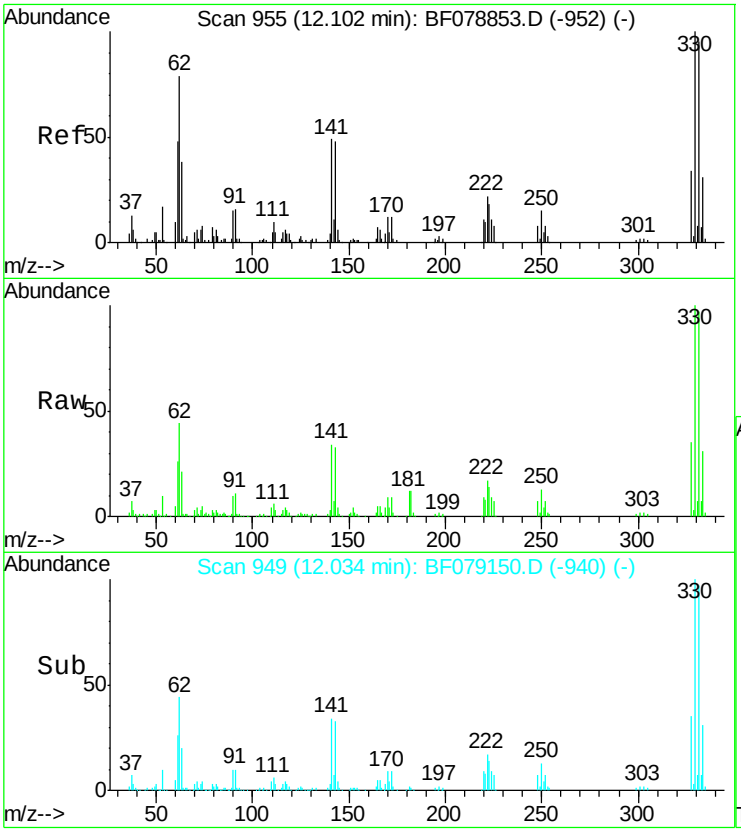


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:164 Resp: 105673

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.7	124.1
160	44.1	35.8	53.8

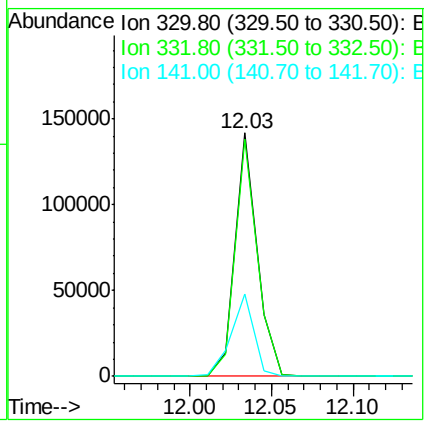




#41
2,4,6-Tribromophenol
Concen: 116.22 ng
RT: 12.03 min Scan# 949
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:330 Resp: 132862

Ion	Ratio	Lower	Upper
330	100		
332	97.7	0.0	0.0#
141	34.7	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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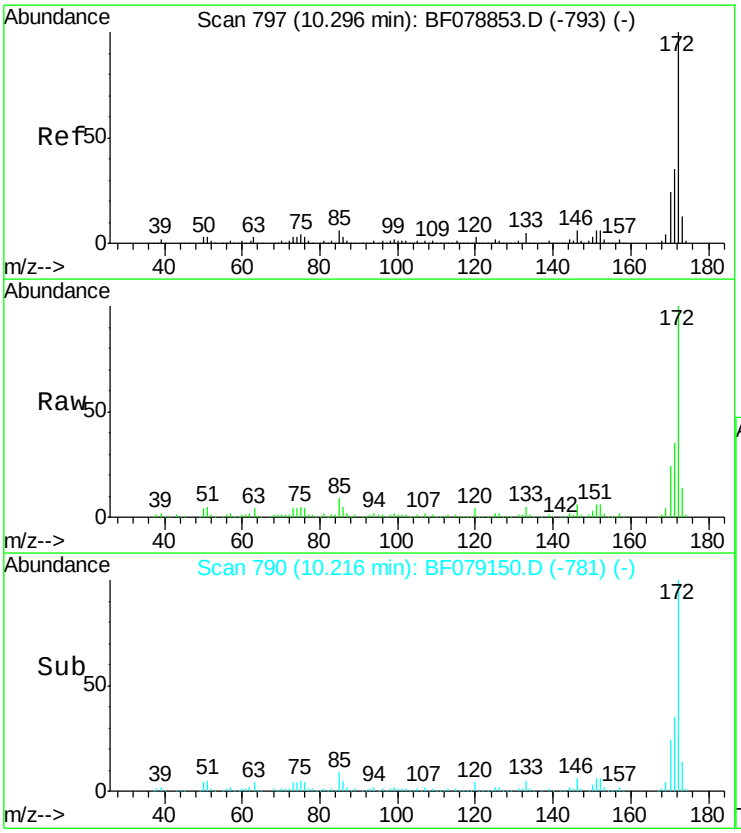
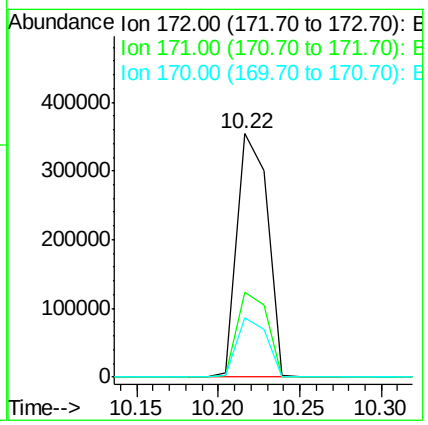
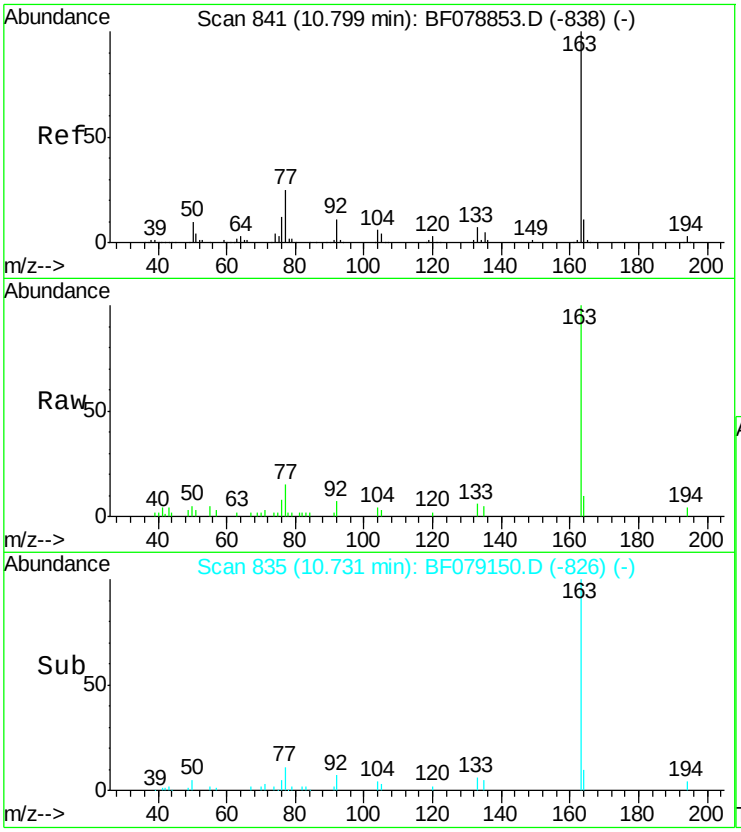


#44
2-Fluorobiphenyl
Concen: 60.07 ng
RT: 10.22 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:172 Resp: 455593

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	24.1	19.4	29.0

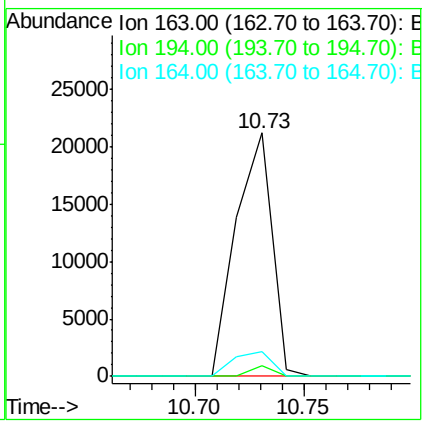




#49
Dimethylphthalate
Concen: 3.15 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:163 Resp: 24466

Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.6	4.0#
164	10.3	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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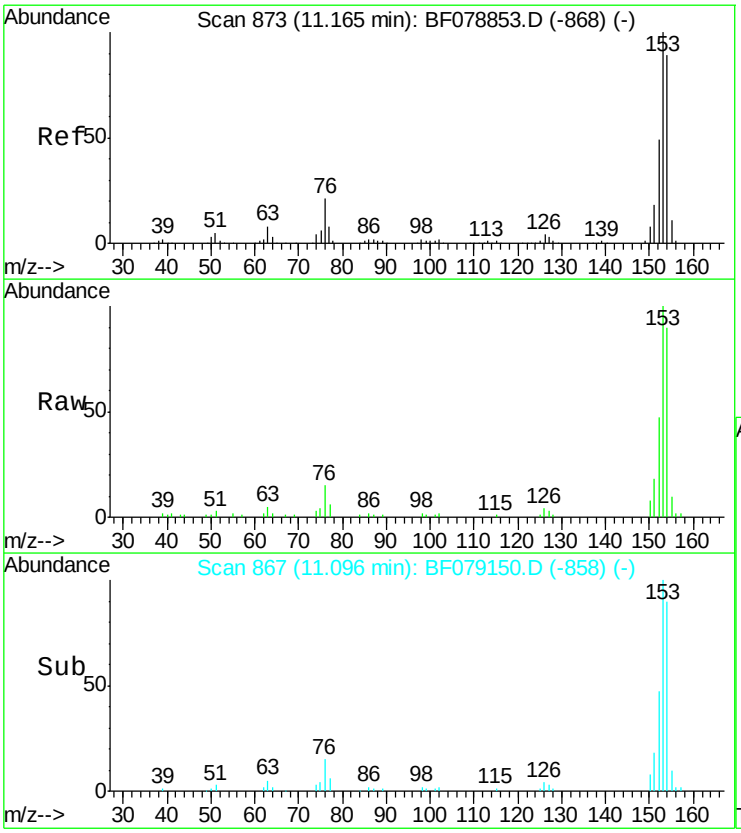
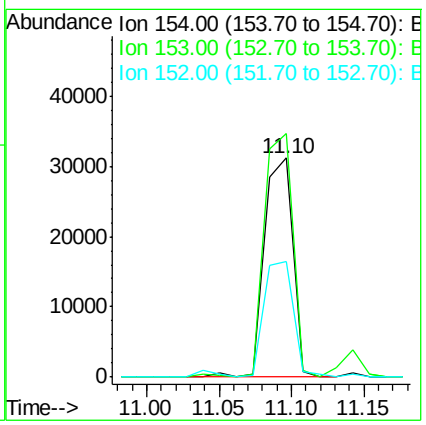
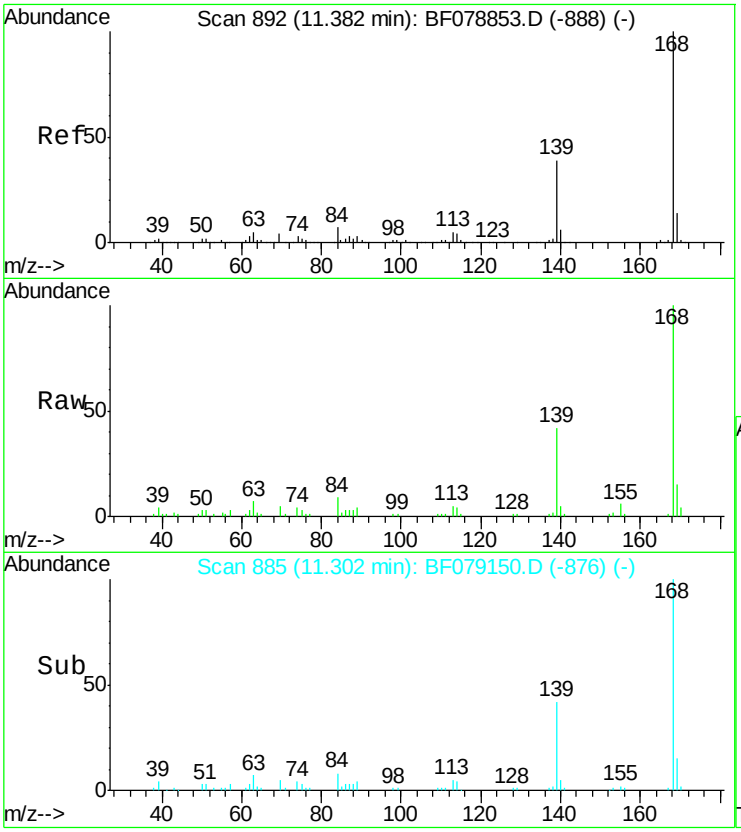


#51
Acenaphthene
Concen: 6.55 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:154 Resp: 42024

Ion	Ratio	Lower	Upper
154	100		
153	111.2	91.5	137.3
152	52.6	44.2	66.4

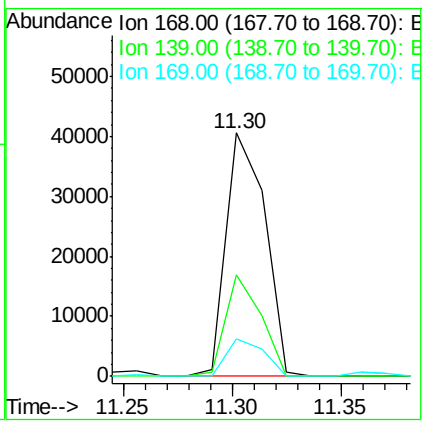




#54
Dibenzofuran
Concen: 5.42 ng
RT: 11.30 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:168 Resp: 50248

Ion	Ratio	Lower	Upper
168	100		
139	41.9	31.0	46.4
169	15.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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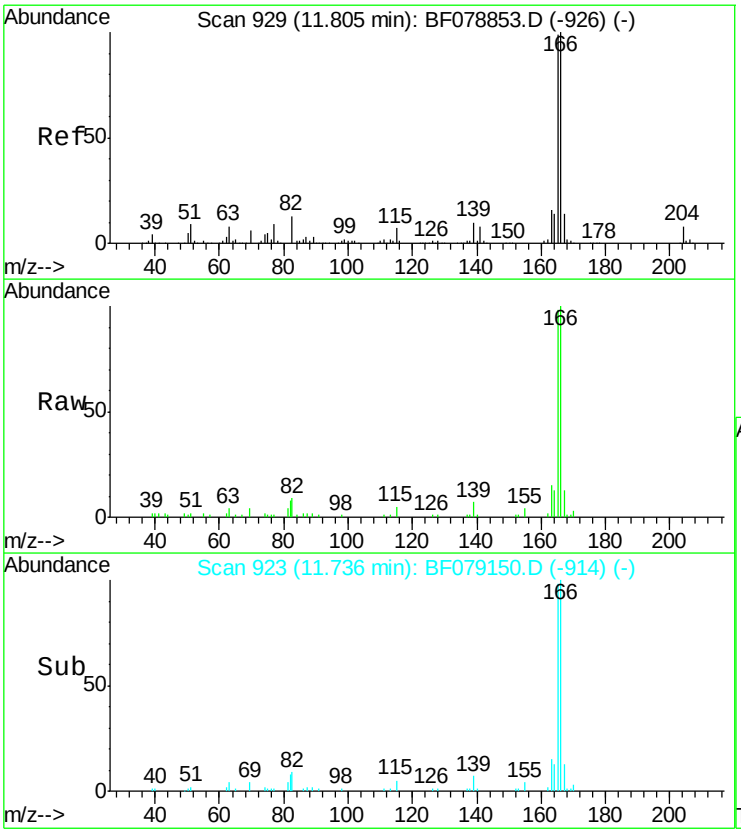
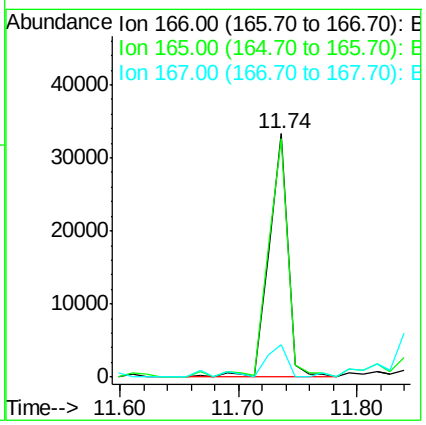
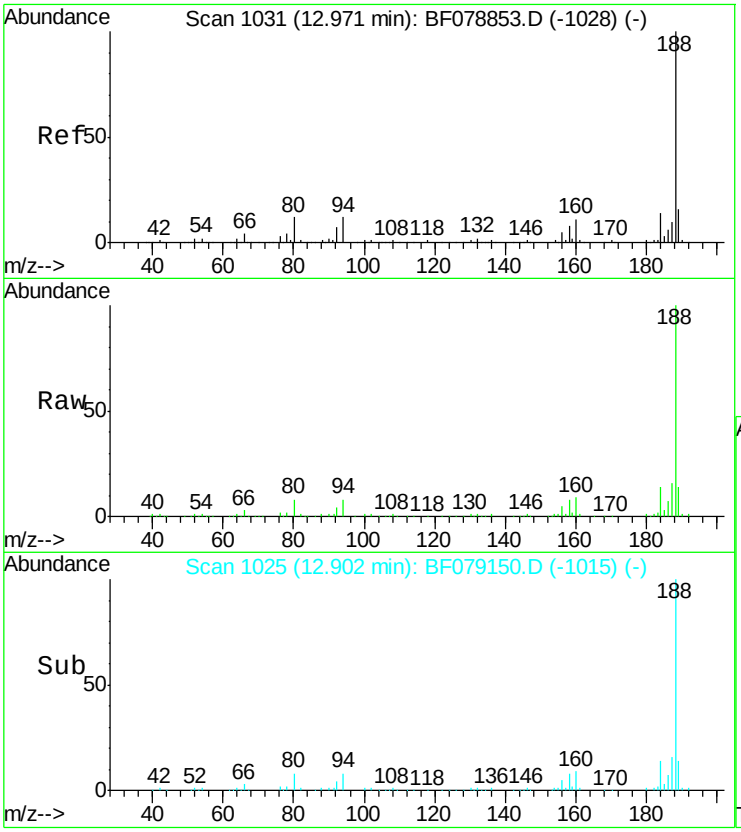


#57
Fluorene
Concen: 4.83 ng
RT: 11.74 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:166 Resp: 36703

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.5	117.7
167	13.5	11.0	16.6





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:188 Resp: 213743

Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.2	12.2#
80	8.1	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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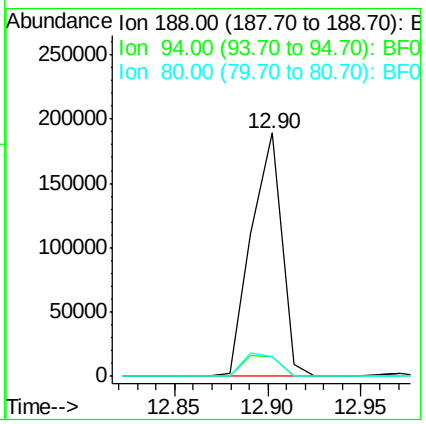
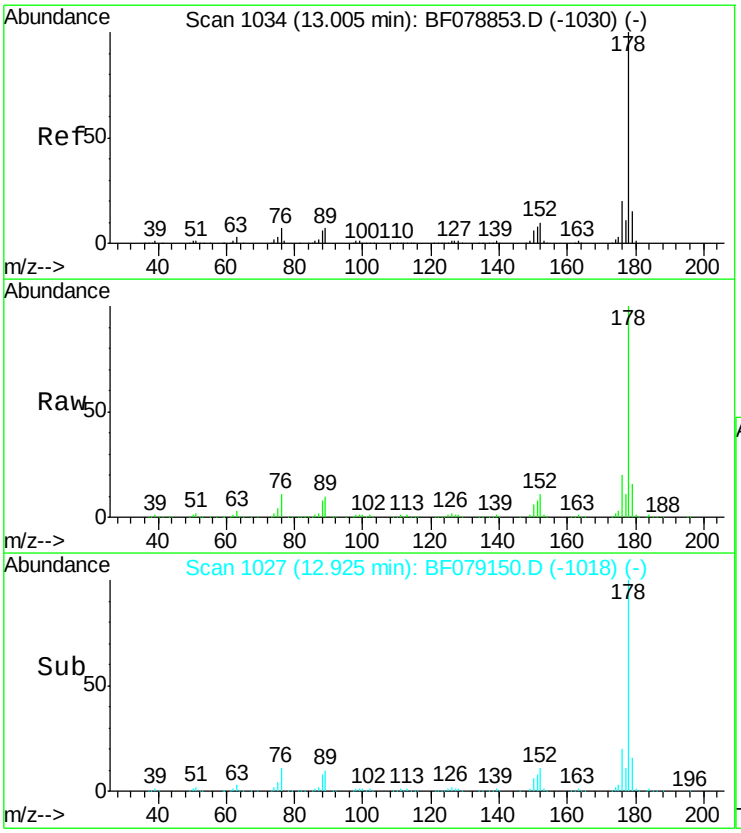
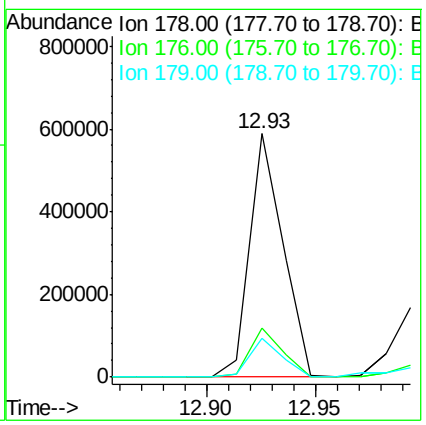


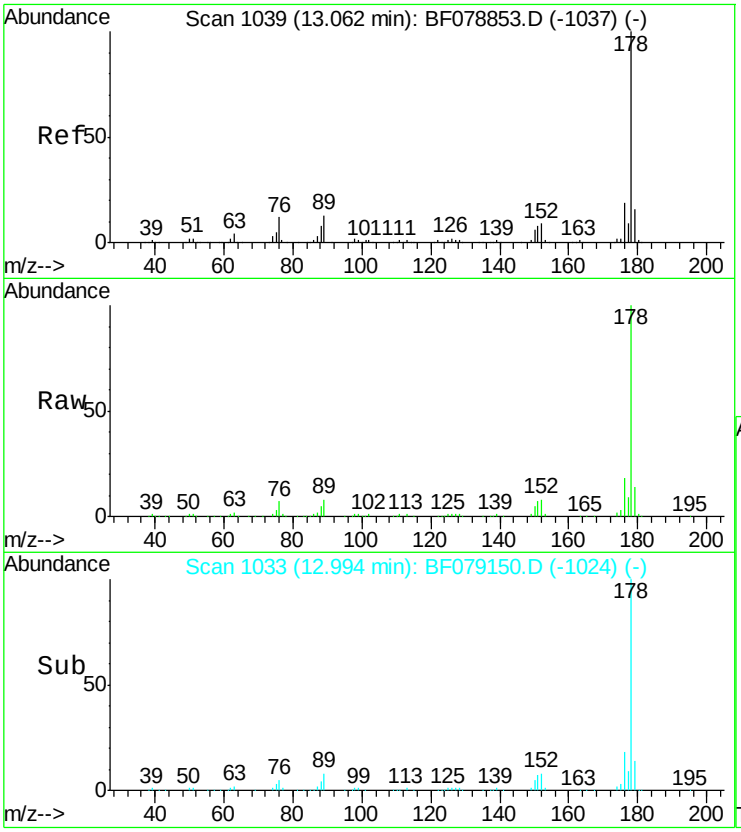


#70
Phenanthrene
Concen: 52.58 ng
RT: 12.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:178 Resp: 628727

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.0	12.5	18.7

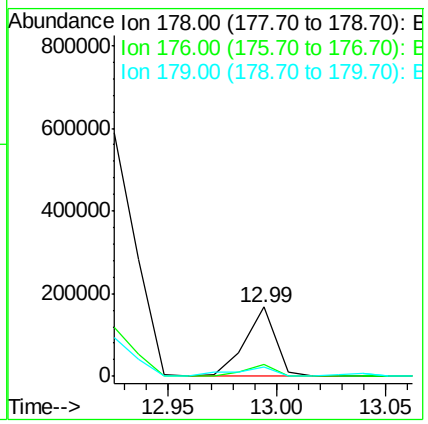




#71
Anthracene
Concen: 13.61 ng
RT: 12.99 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:178 Resp: 159698

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.5	23.3
179	14.4	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

Manual Integrations APPROVED
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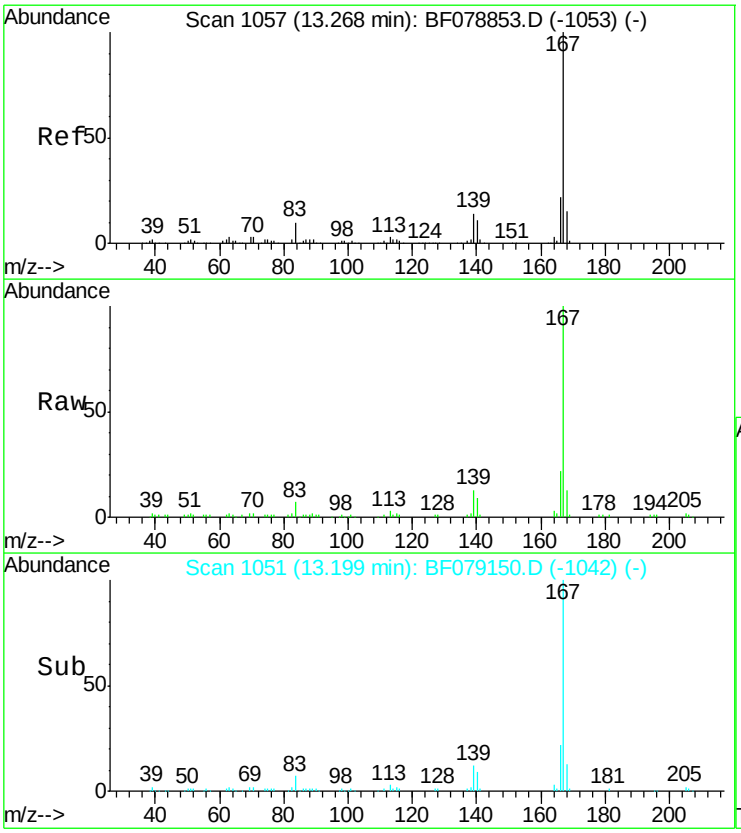
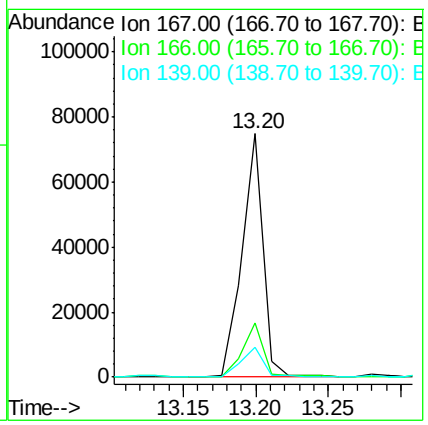
5/12/2015 4:51:36 PM

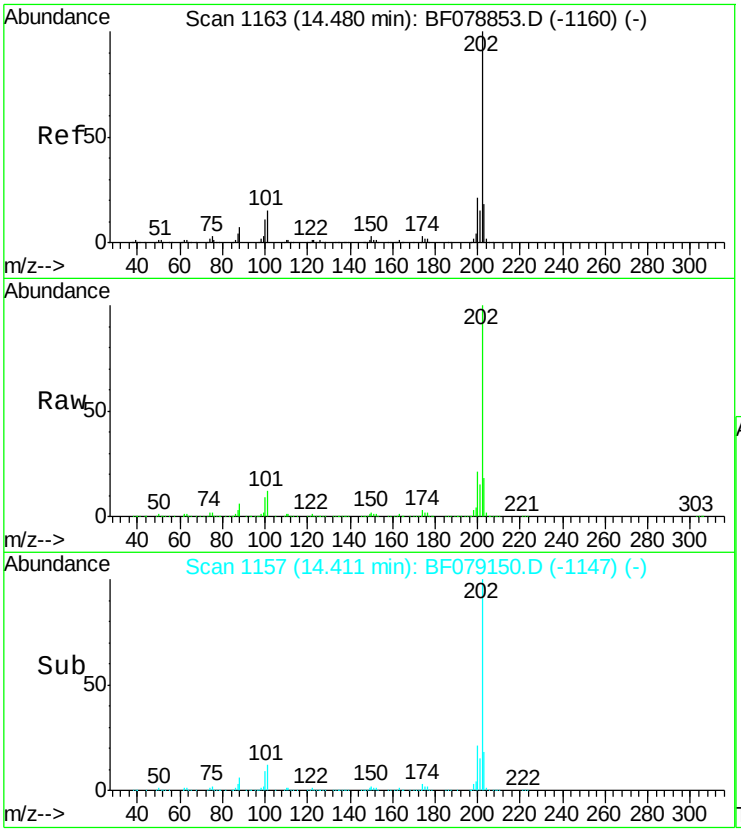


#72
Carbazole
Concen: 6.73 ng
RT: 13.20 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:167 Resp: 75211

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.8
139	12.5	10.6	16.0





#74
Fluoranthene
Concen: 71.02 ng
RT: 14.41 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:202 Resp: 884917

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.6
203	18.0	0.0	38.4

Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

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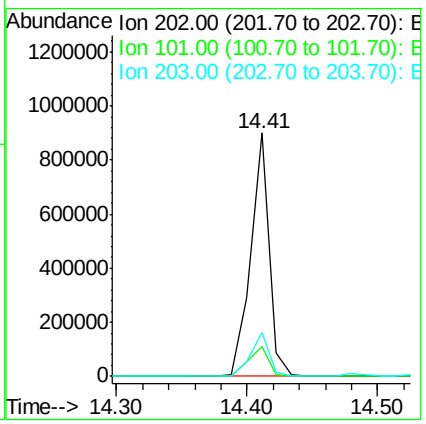
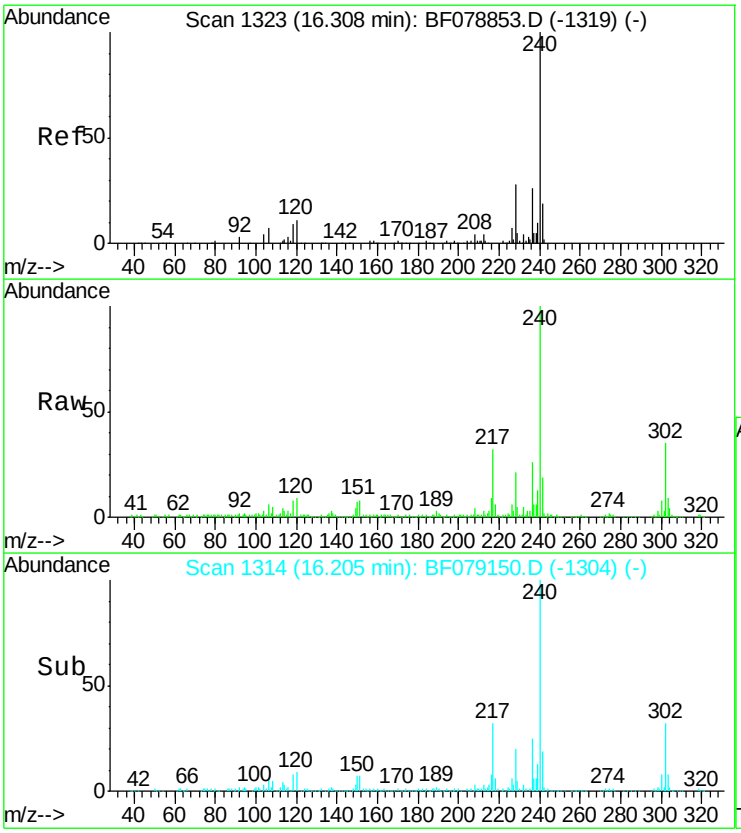
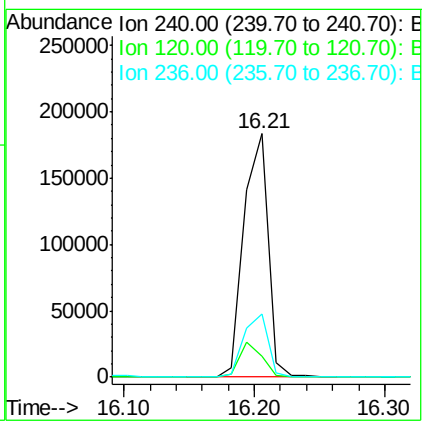


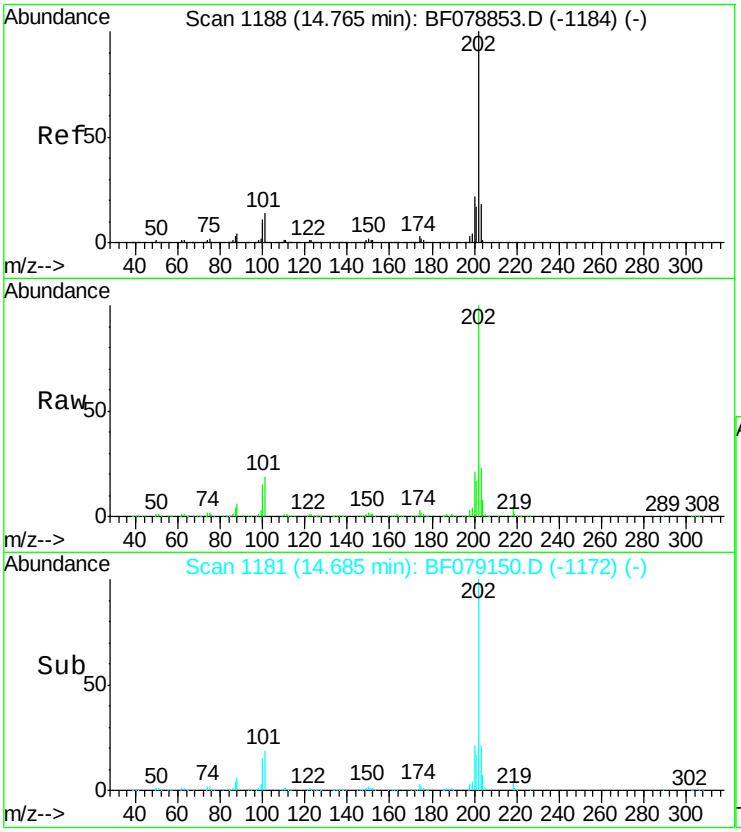


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.21 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:240 Resp: 238534

Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.7	14.5#
236	26.0	20.2	30.4

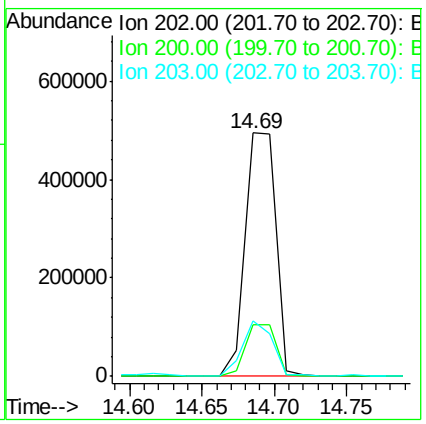




#77
Pyrene
Concen: 52.61 ng
RT: 14.69 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:202 Resp: 723128

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	22.6	13.9	20.9#



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

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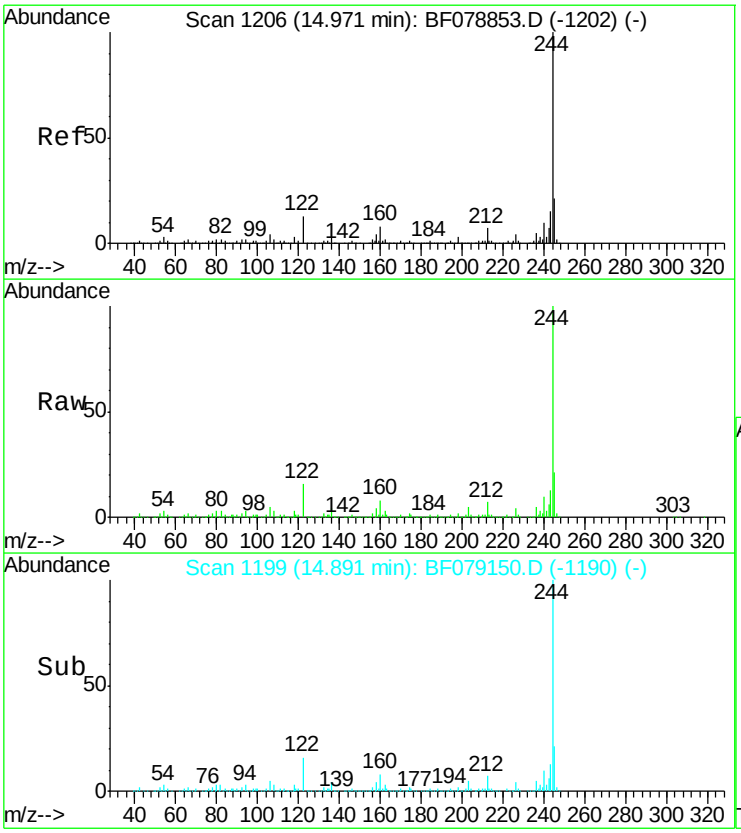
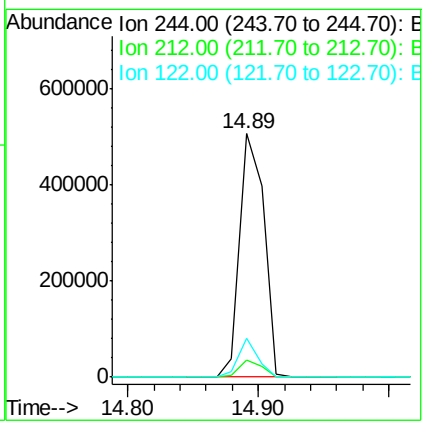
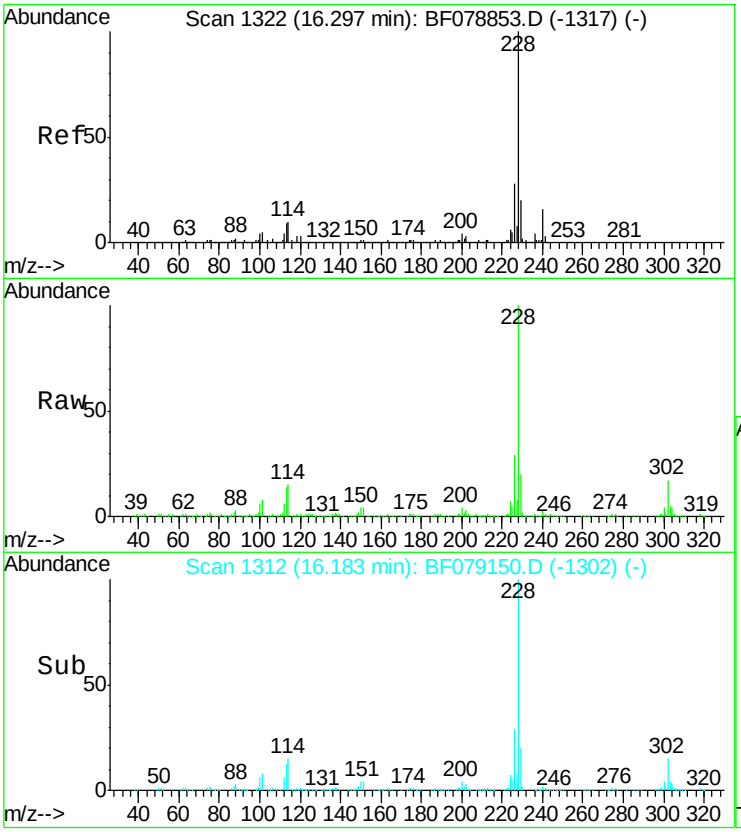


#78
Terphenyl-d14
Concen: 65.65 ng
RT: 14.89 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:244 Resp: 654054

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	15.9	10.3	15.5#

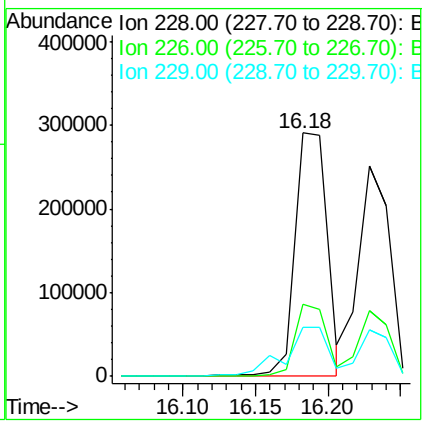




#80
Benzo(a)anthracene
Concen: 34.10 ng
RT: 16.18 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:228 Resp: 445398

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.2	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

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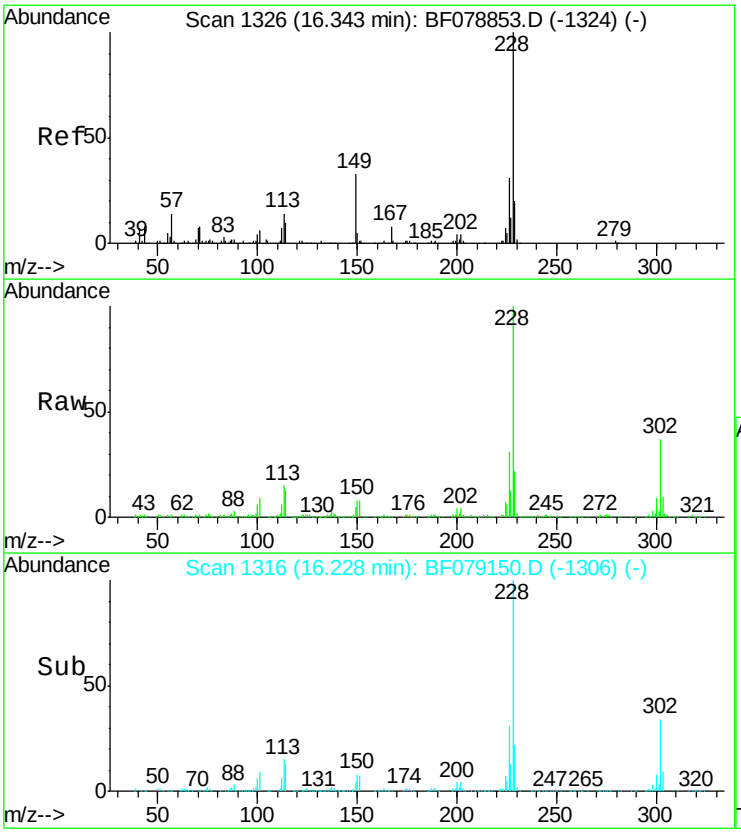
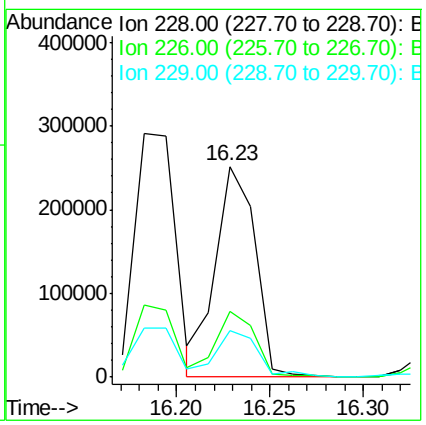
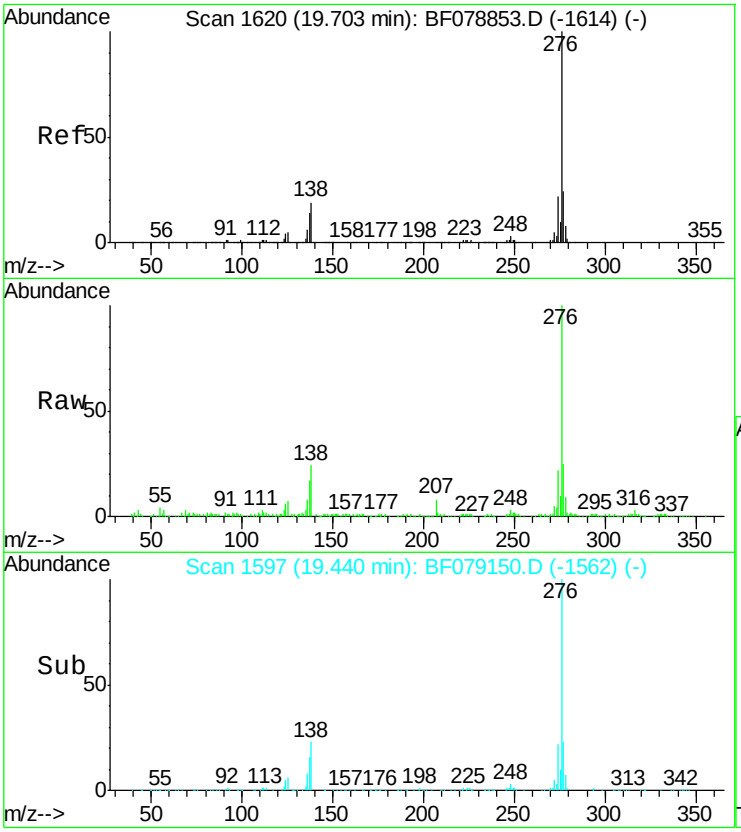


#82
Chrysene
Concen: 29.58 ng
RT: 16.23 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:228 Resp: 371578

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	22.0	16.0	24.0





#85
Indeno(1,2,3-cd)pyrene
Concen: 15.06 ng m
RT: 19.44 min Scan# 1597
Delta R.T. 0.10 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:276 Resp: 241033

Ion	Ratio	Lower	Upper
276	100		
138	4.9	0.0	0.0#
277	4.8	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
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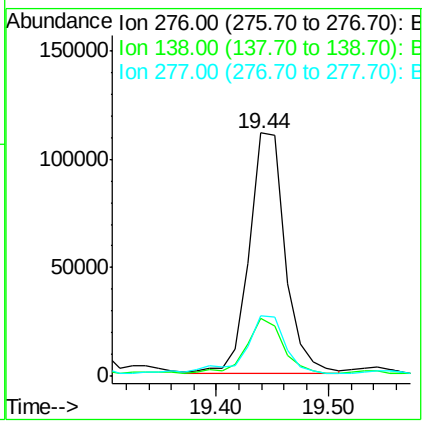
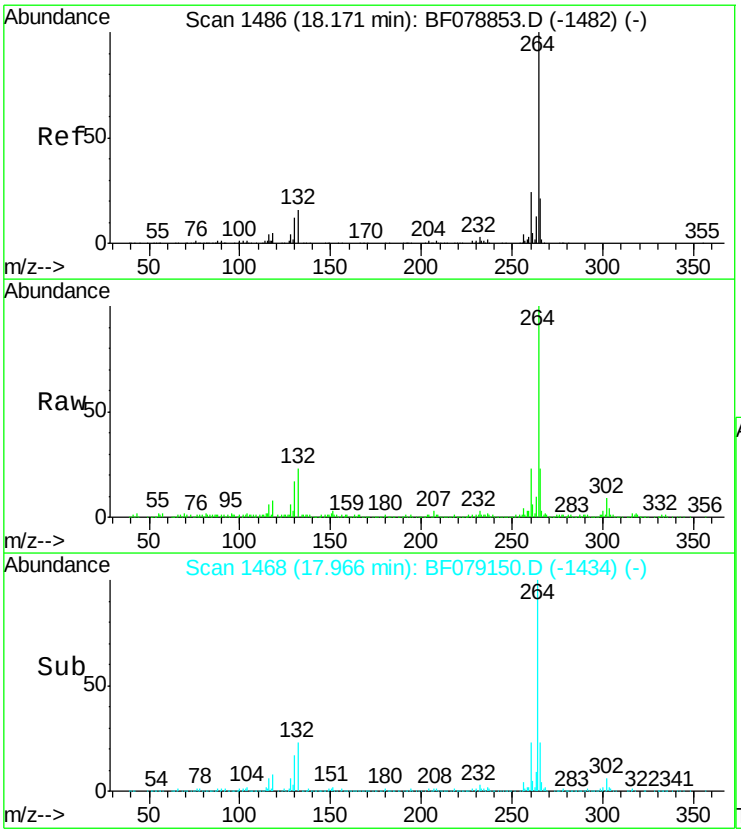
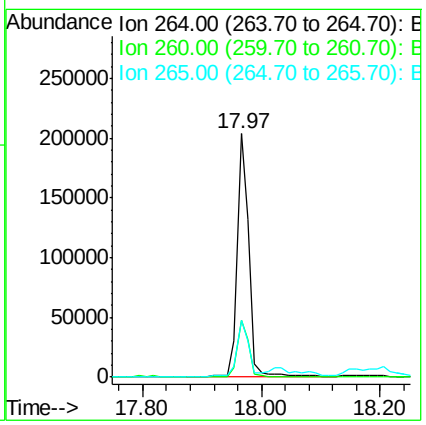


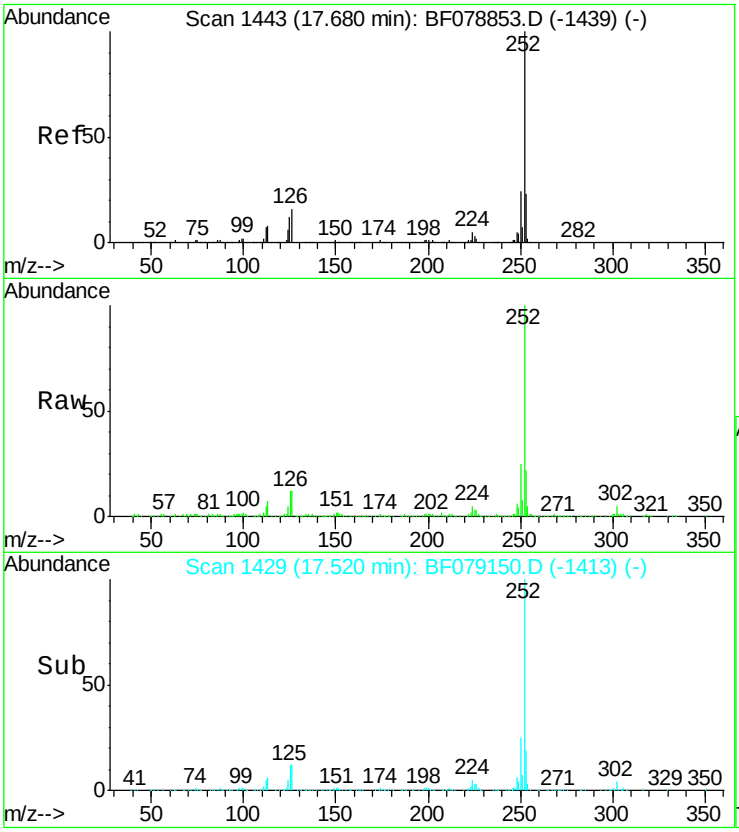


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.97 min Scan# 1468
Delta R.T. 0.09 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:264 Resp: 269536

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.2
265	23.3	18.3	27.5

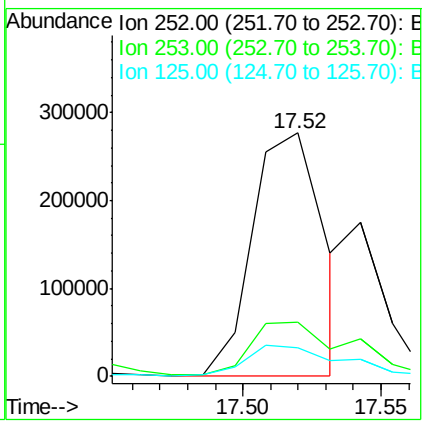




#87
Benzo(b)fluoranthene
Concen: 33.73 ng m
RT: 17.52 min Scan# 1429
Delta R.T. 0.08 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:252 Resp: 497575

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	12.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
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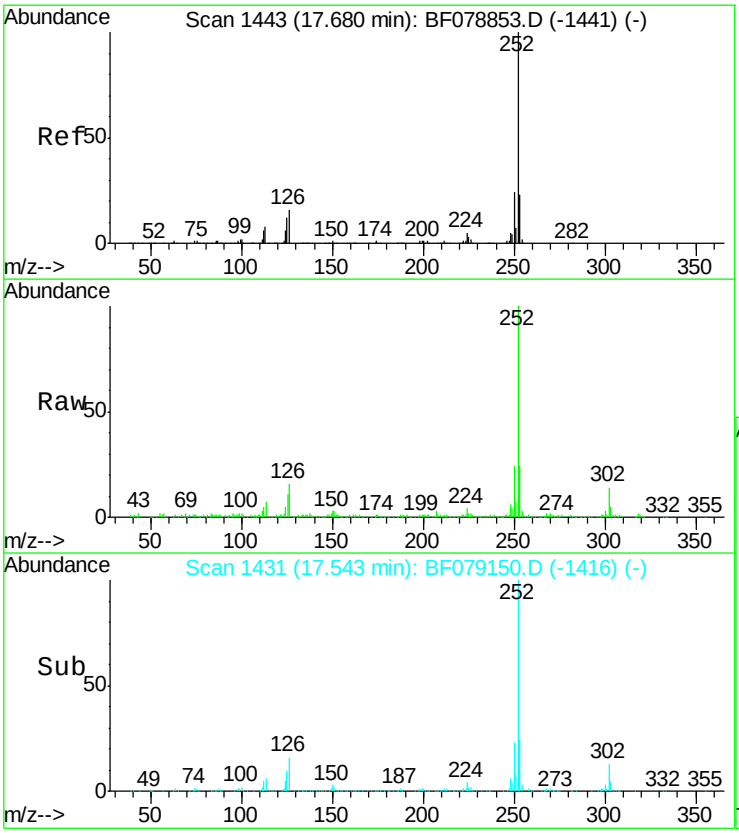
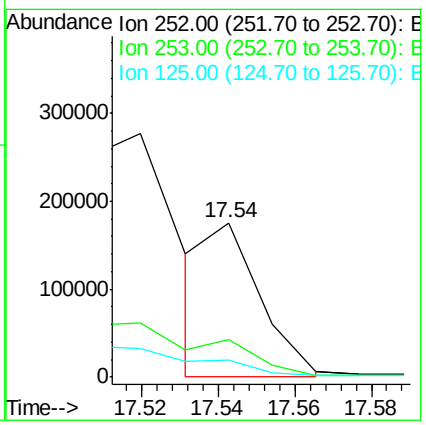
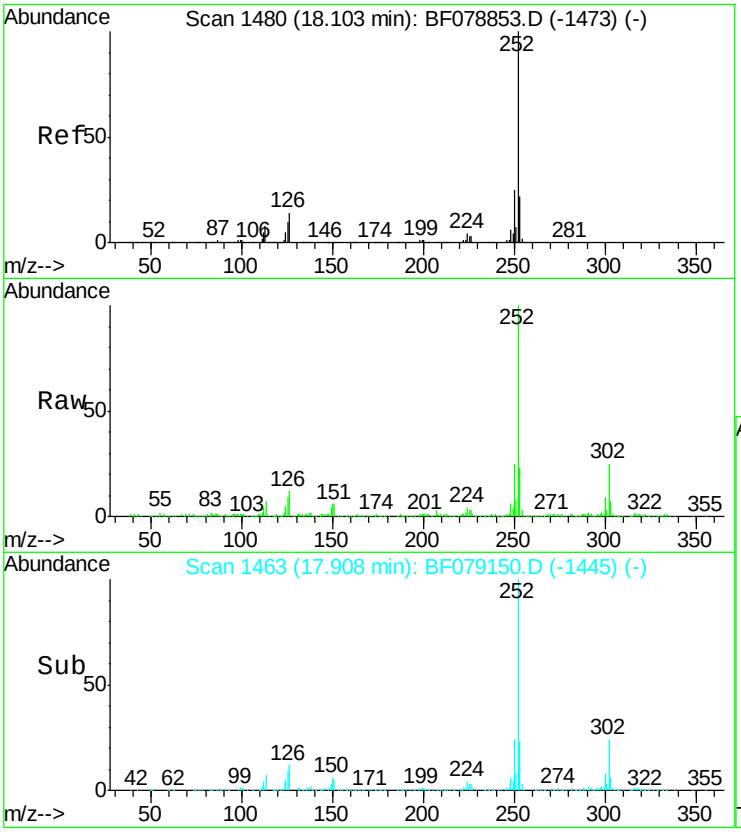


#88
Benzo(k)fluoranthene
Concen: 11.61 ng m
RT: 17.54 min Scan# 1431
Delta R.T. 0.07 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:252 Resp: 165792

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	11.2	10.0	15.0





#89
Benzo(a)pyrene
Concen: 24.52 ng
RT: 17.91 min Scan# 1463
Delta R.T. 0.10 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:252 Resp: 333115

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	9.5	7.0	10.6

Instrument :
BNA_F
ClientSampleId :
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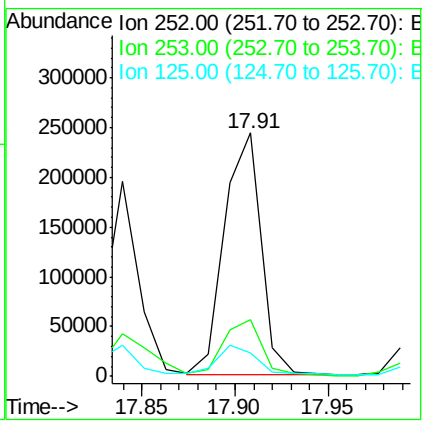
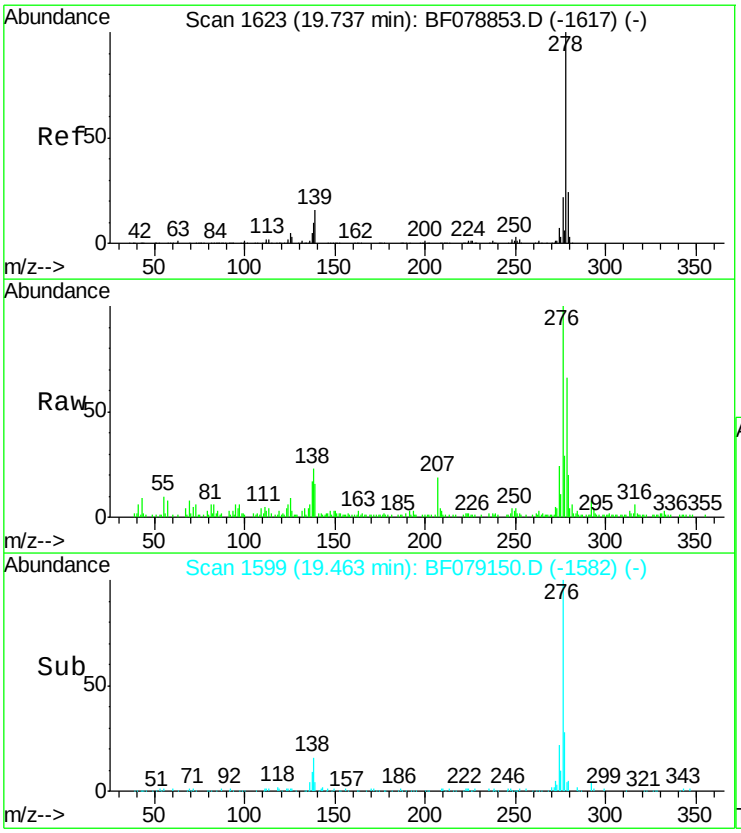
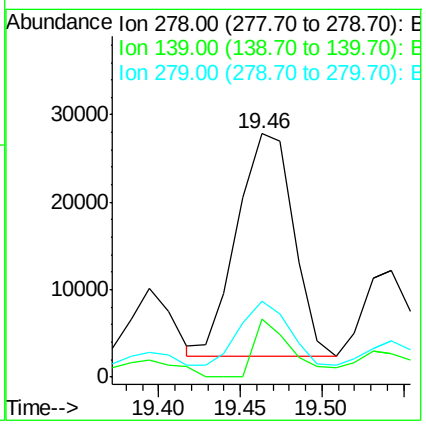


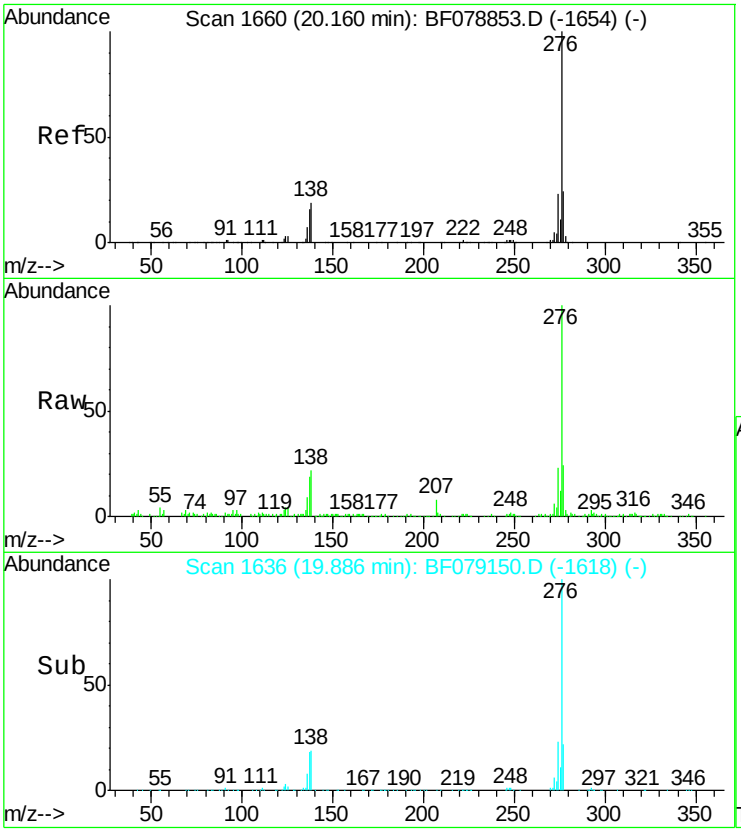


#90
Dibenzo(a,h)anthracene
Concen: 4.24 ng
RT: 19.46 min Scan# 1599
Delta R.T. 0.09 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:278 Resp: 61261

Ion	Ratio	Lower	Upper
278	100		
139	24.0	12.8	19.2#
279	31.1	19.6	29.4#

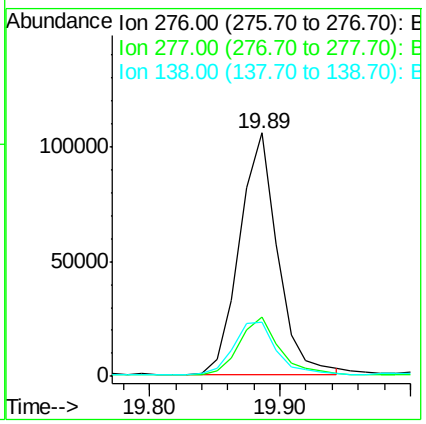




#91
Benzo(g,h,i)perylene
Concen: 14.87 ng
RT: 19.89 min Scan# 1636
Delta R.T. 0.10 min
Lab File: BF079150.D
Acq: 12 May 2015 9:30

Tgt Ion:276 Resp: 215236

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	22.0	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
PS-12A(3-5)

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