Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077076.D
Acq On : 27 Jan 2015 6:32
Operator : TP/IZ
Sample : G1137-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
104B1A

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1/28/2015 5:42:23 PM

Quant Time: Jan 28 13:05:34 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 28 04:24:51 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	22951	20.00	ng		0.02
21) Naphthalene-d8	10.71	136	110244m	20.00	ng		0.03
38) Acenaphthene-d10	14.94	164	48666m	20.00	ng		0.14
63) Phenanthrene-d10	17.74	188	90673m	20.00	ng		0.10
75) Chrysene-d12	21.16	240	81370	20.00	ng		0.02
86) Perylene-d12	22.80	264	76846	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.79	112	140125	100.38	ng		-0.01
7) Phenol-d6	7.18	99	171759	97.54	ng		0.00
23) Nitrobenzene-d5	9.09	82	98459	49.48	ng		0.02
41) 2,4,6-Tribromophenol	16.64	330	39909m	101.03	ng		0.13
44) 2-Fluorobiphenyl	13.43	172	213583m	66.79	ng		0.10
78) Terphenyl-d14	19.92	244	220494	62.38	ng		0.05
Target Compounds							Qvalue
31) Naphthalene	10.77	128	614455m	108.26	ng		
37) 2-Methylnaphthalene	12.49	142	2235758m	576.80	ng		
51) Acenaphthene	15.02	154	219615m	77.29	ng		
57) Fluorene	16.17	166	580978m	165.68	ng		
70) Phenanthrene	17.77	178	1126696	199.26	ng	#	93
77) Pyrene	19.67	202	294202m	52.76	ng		

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

Quantitation Report (LSC Reviewed)

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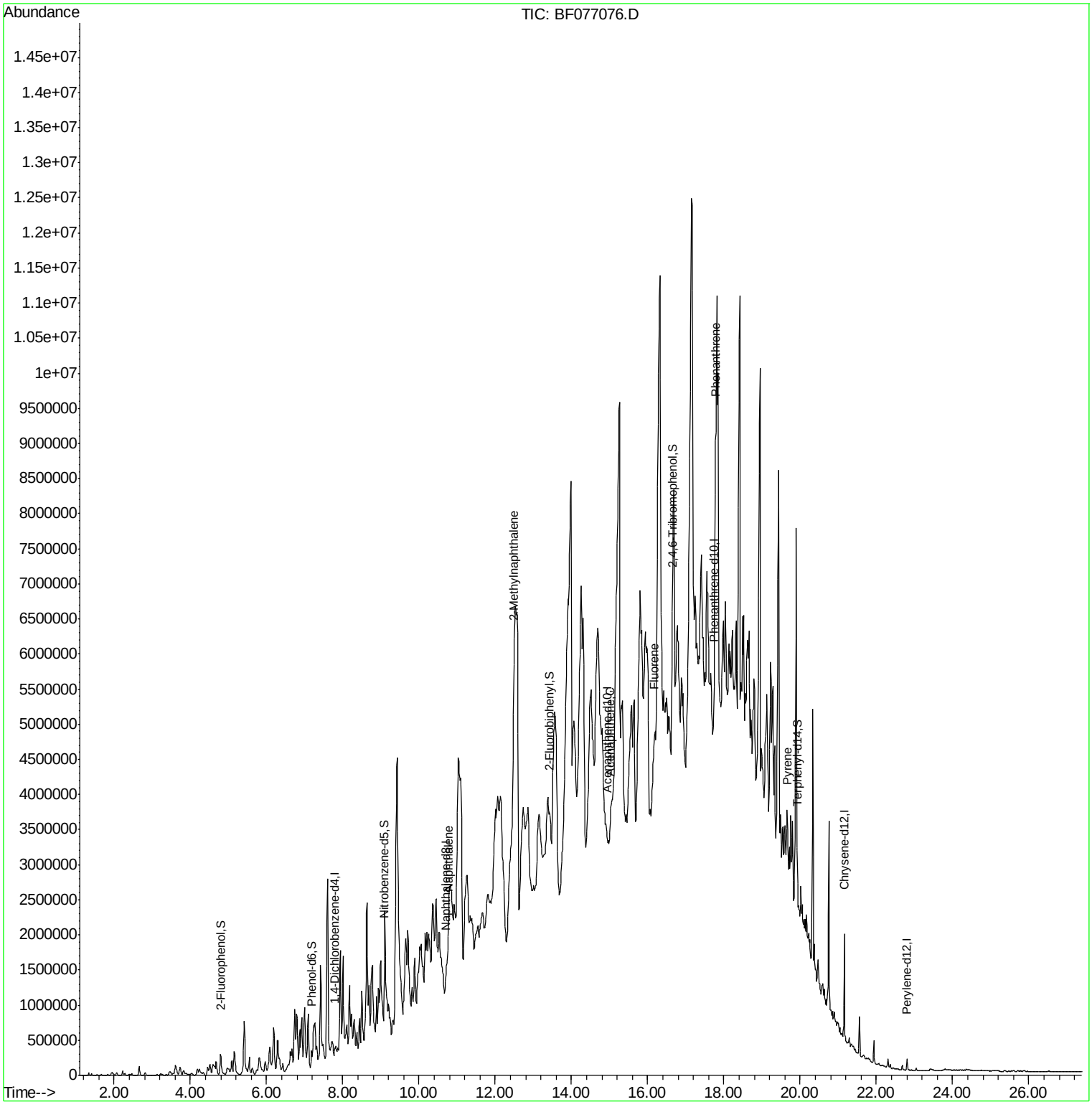
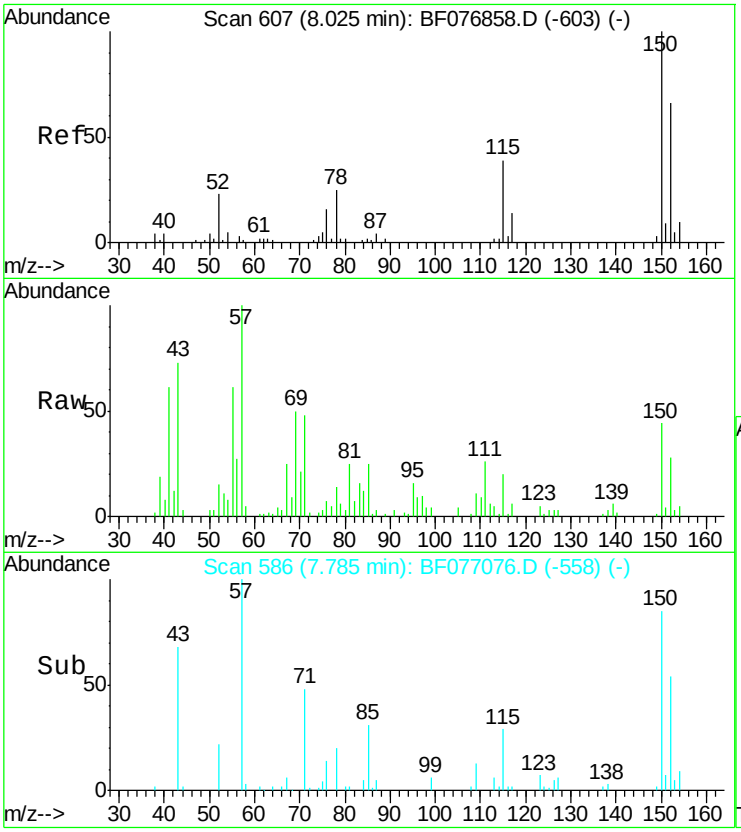
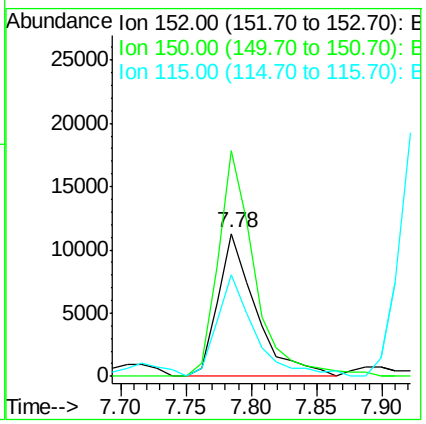




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:152 Resp: 22951

Ion	Ratio	Lower	Upper
152	100		
150	158.5	121.7	182.5
115	71.1	47.0	70.6#



Instrument :
BNA_F
ClientSampleId :
104B1A

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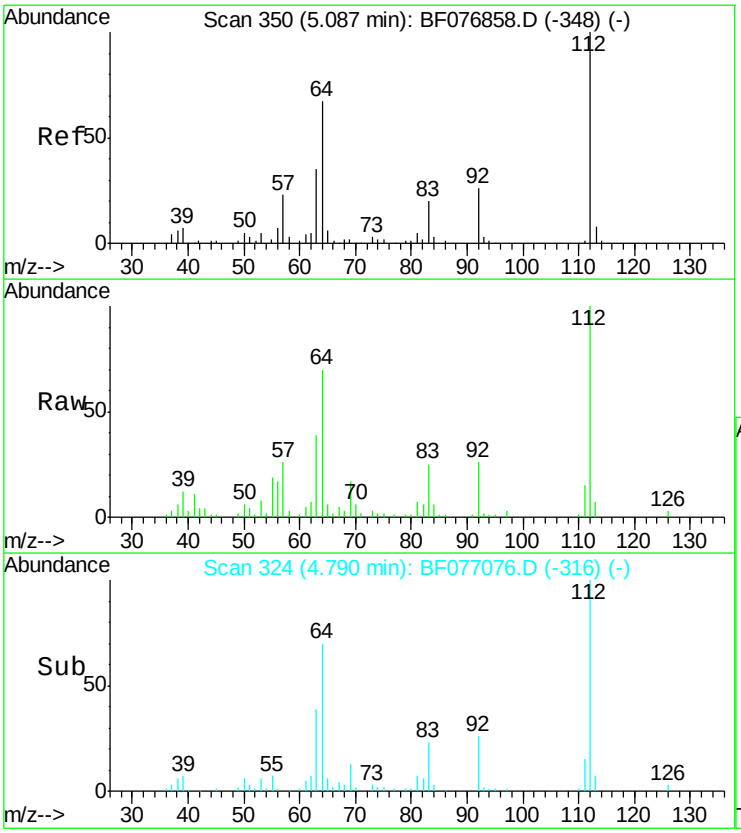
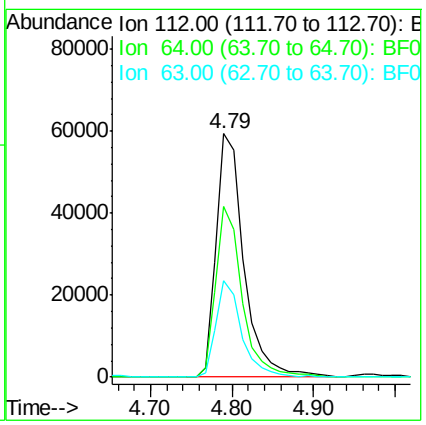
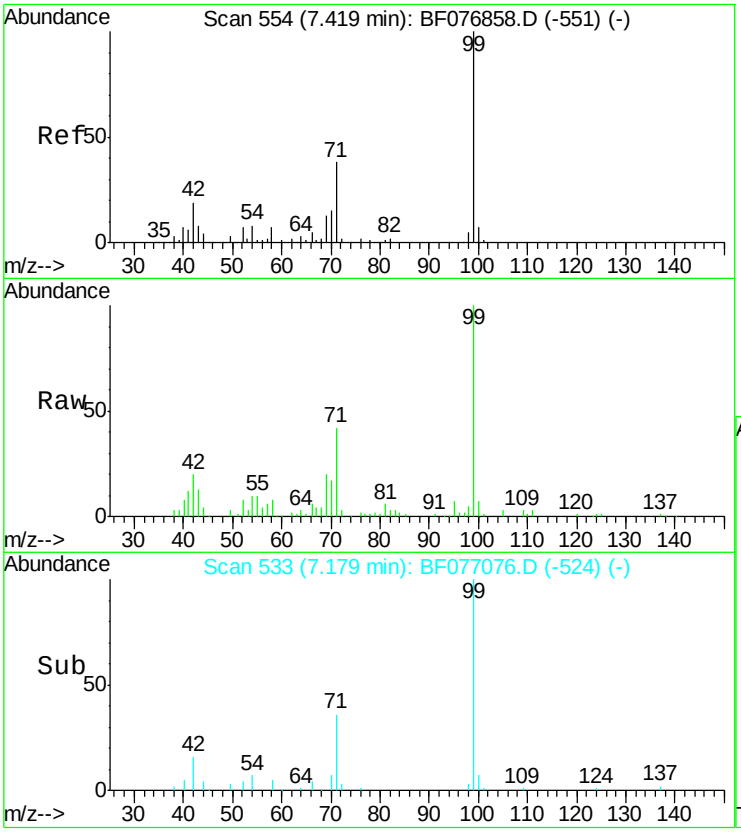


#5
2-Fluorophenol
Concen: 100.38 ng
RT: 4.79 min Scan# 324
Delta R.T. -0.01 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:112 Resp: 140125

Ion	Ratio	Lower	Upper
112	100		
64	70.2	54.2	81.4
63	39.5	28.4	42.6

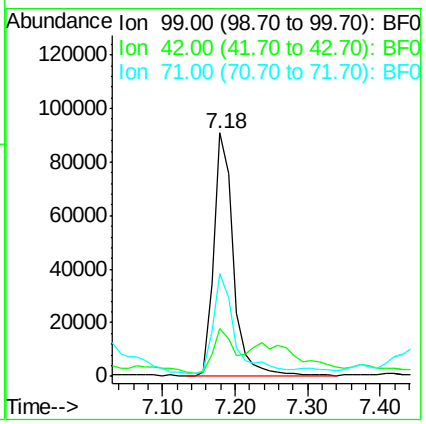




#7
Phenol-d6
Concen: 97.54 ng
RT: 7.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion: 99 Resp: 171759

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.4
71	42.3	30.5	45.7



Instrument :
BNA_F
ClientSampleId :
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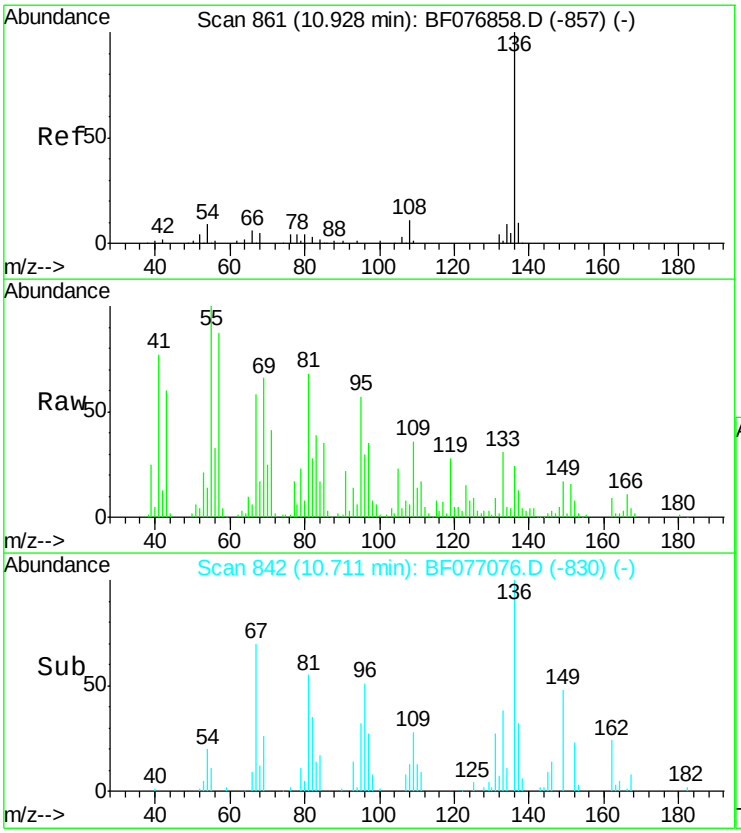
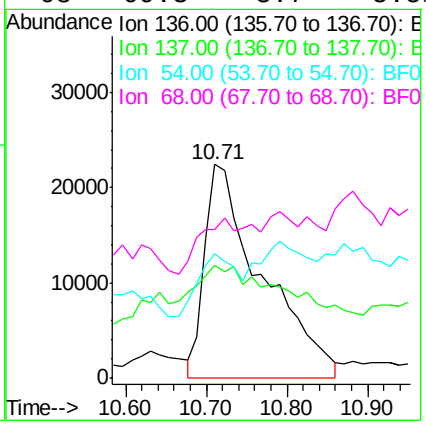
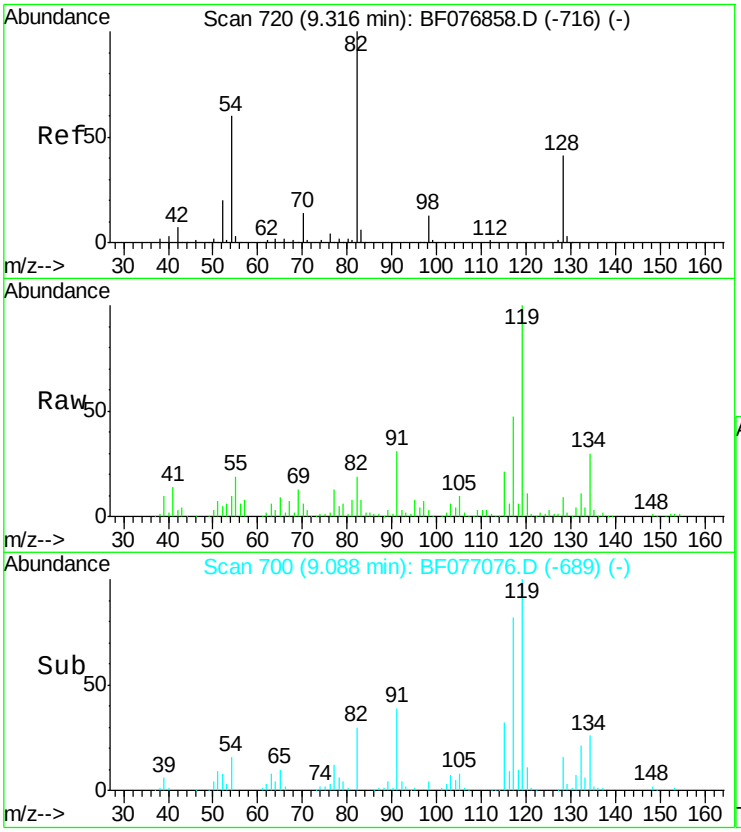


#21
Naphthalene-d8
Concen: 20.00 ng m
RT: 10.71 min Scan# 842
Delta R.T. 0.03 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:136 Resp: 110244

Ion	Ratio	Lower	Upper
136	100		
137	52.9	8.1	12.1#
54	58.2	7.0	10.4#
68	69.3	3.7	5.5#

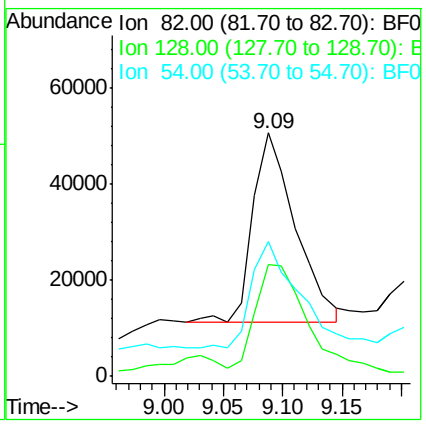




#23
Nitrobenzene-d5
Concen: 49.48 ng
RT: 9.09 min Scan# 700
Delta R.T. 0.02 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion: 82 Resp: 98459

Ion	Ratio	Lower	Upper
82	100		
128	45.7	33.1	49.7
54	55.5	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
104B1A

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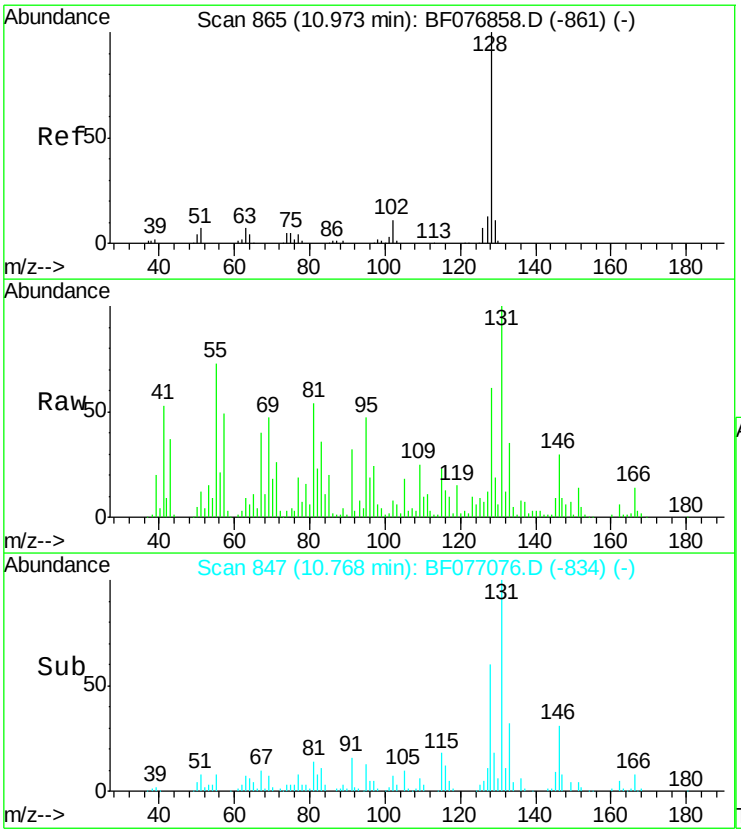
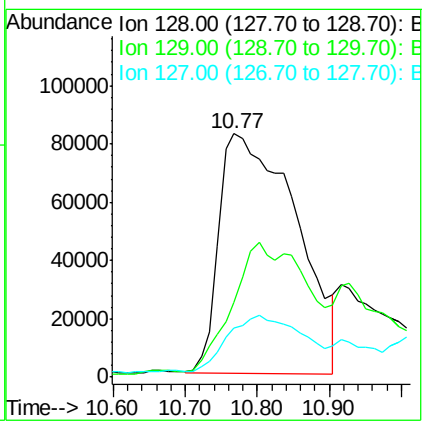
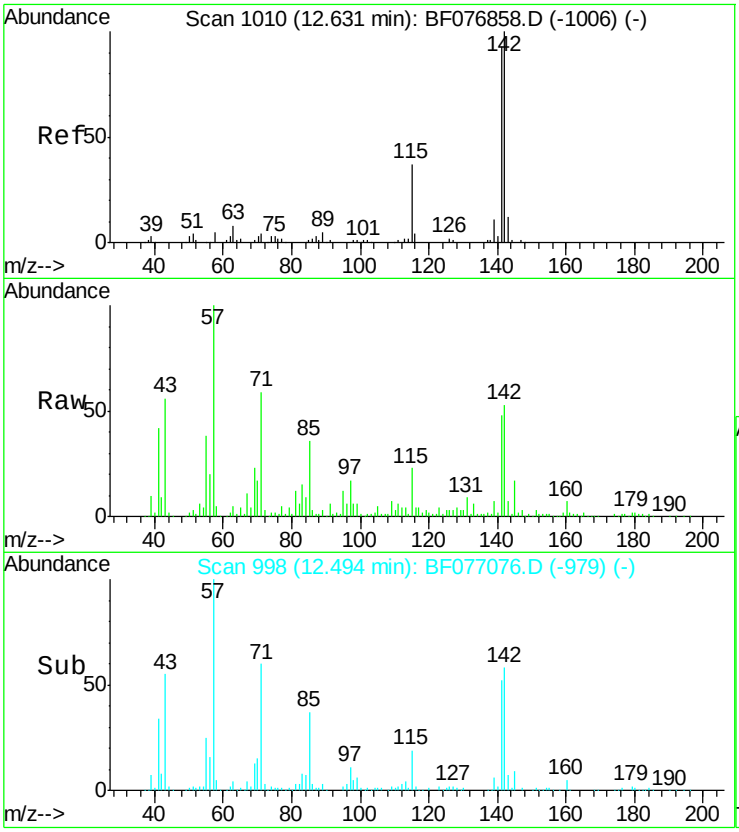


#31
Naphthalene
Concen: 108.26 ng m
RT: 10.77 min Scan# 847
Delta R.T. 0.05 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:128 Resp: 614455

Ion	Ratio	Lower	Upper
128	100		
129	30.6	9.0	13.6#
127	20.2	10.2	15.2#

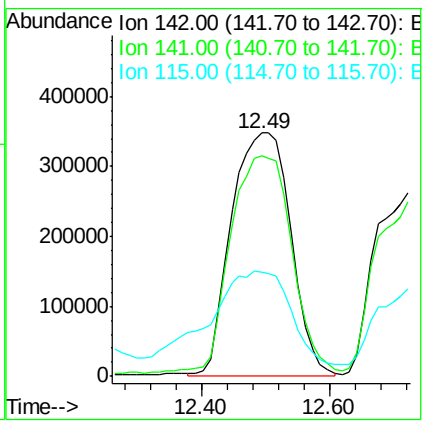




#37
2-Methylnaphthalene
Concen: 576.80 ng m
RT: 12.49 min Scan# 998
Delta R.T. 0.11 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:142 Resp: 2235758

Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.5	111.7
115	43.0	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
104B1A

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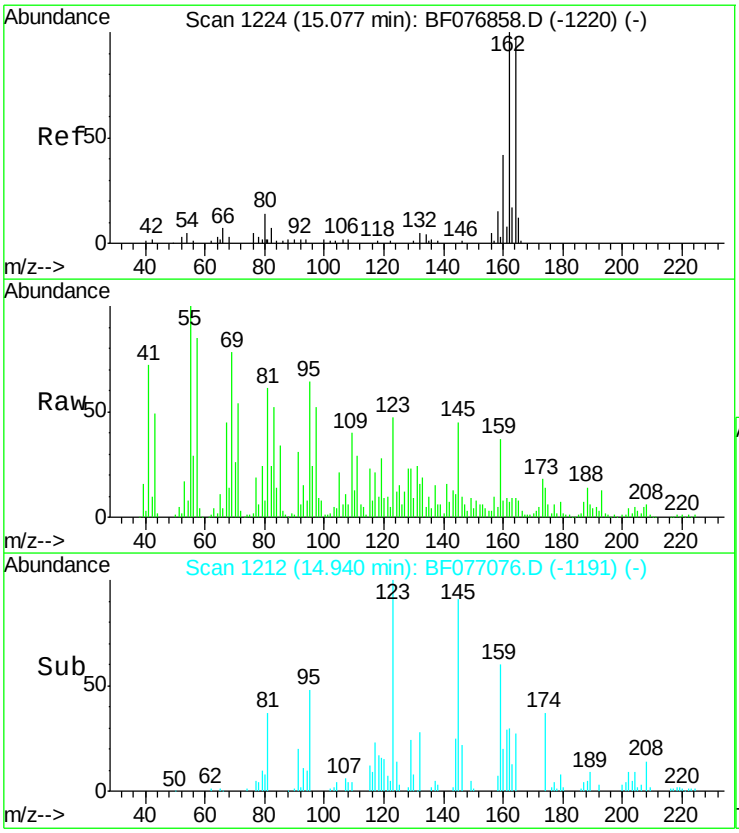
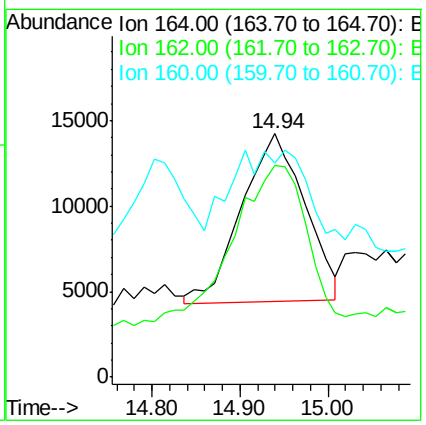
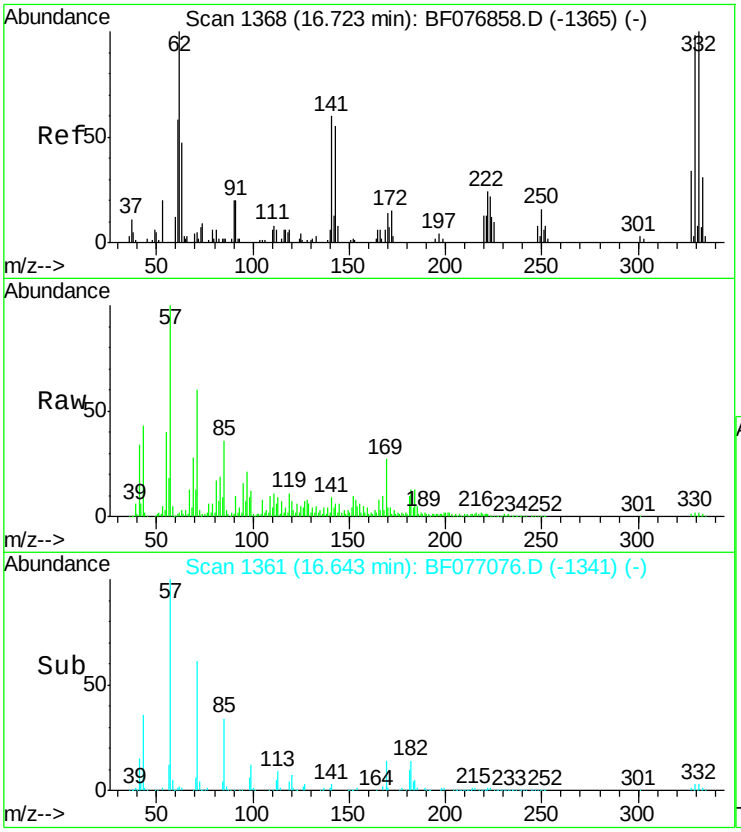


#38
Acenaphthene-d10
Concen: 20.00 ng m
RT: 14.94 min Scan# 1212
Delta R.T. 0.14 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:164 Resp: 48666

Ion	Ratio	Lower	Upper
164	100		
162	87.1	82.4	123.6
160	88.2	34.8	52.2#





#41
2,4,6-Tribromophenol
Concen: 101.03 ng m
RT: 16.64 min Scan# 1361
Delta R.T. 0.13 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:330 Resp: 39909

Ion	Ratio	Lower	Upper
330	100		
332	0.0	77.8	116.6#
141	0.0	38.5	57.7#

Instrument :
BNA_F
ClientSampleId :
104B1A

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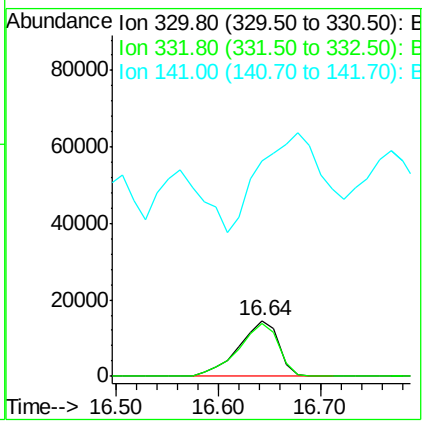
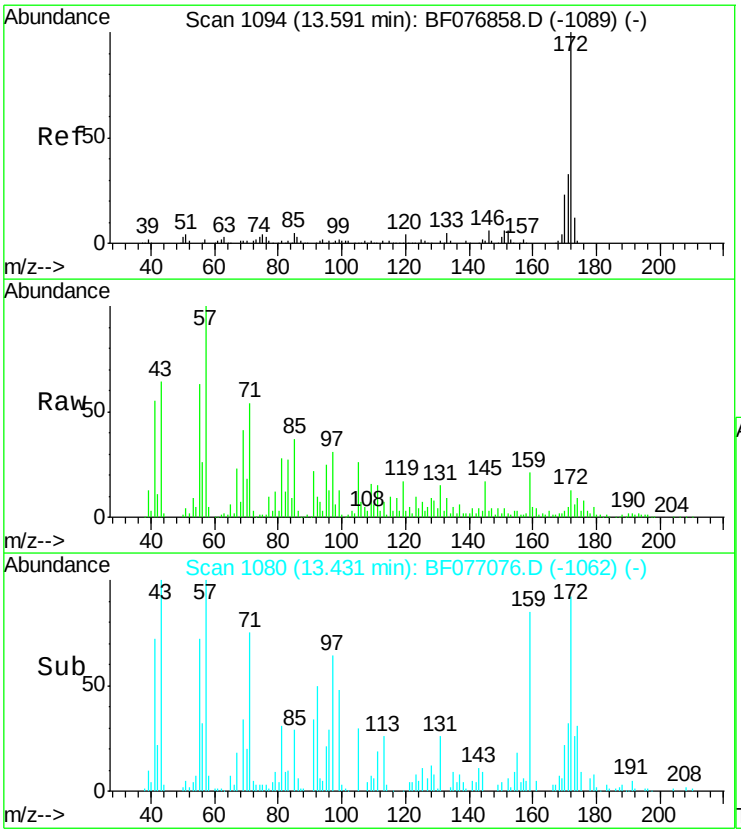
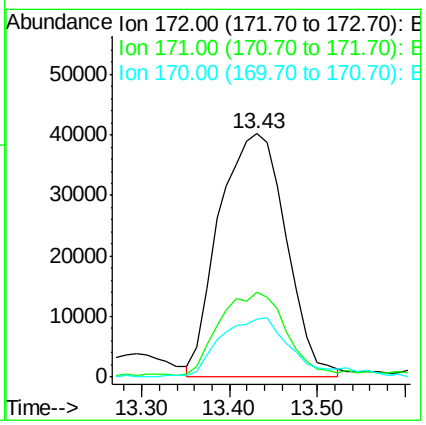


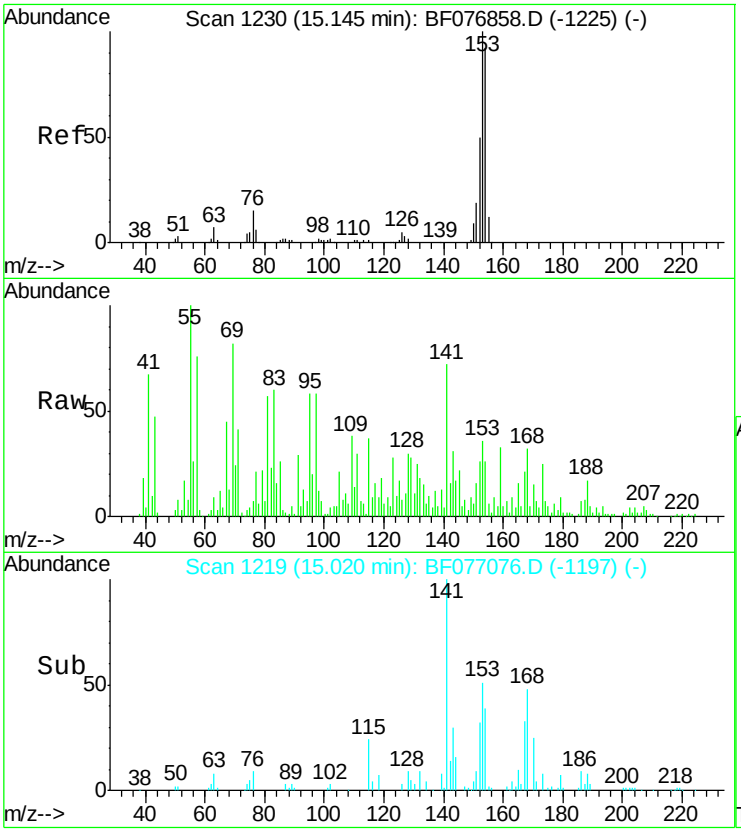


#44
2-Fluorobiphenyl
Concen: 66.79 ng m
RT: 13.43 min Scan# 1080
Delta R.T. 0.10 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:172 Resp: 213583

Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.6	40.0
170	23.6	18.0	27.0





#51
Acenaphthene
Concen: 77.29 ng m
RT: 15.02 min Scan# 1219
Delta R.T. 0.15 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:154 Resp: 219615

Ion	Ratio	Lower	Upper
154	100		
153	140.4	87.0	130.6#
152	102.7	43.5	65.3#

Instrument :
BNA_F
ClientSampleId :
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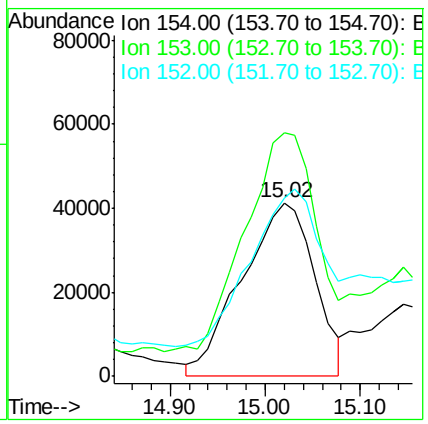
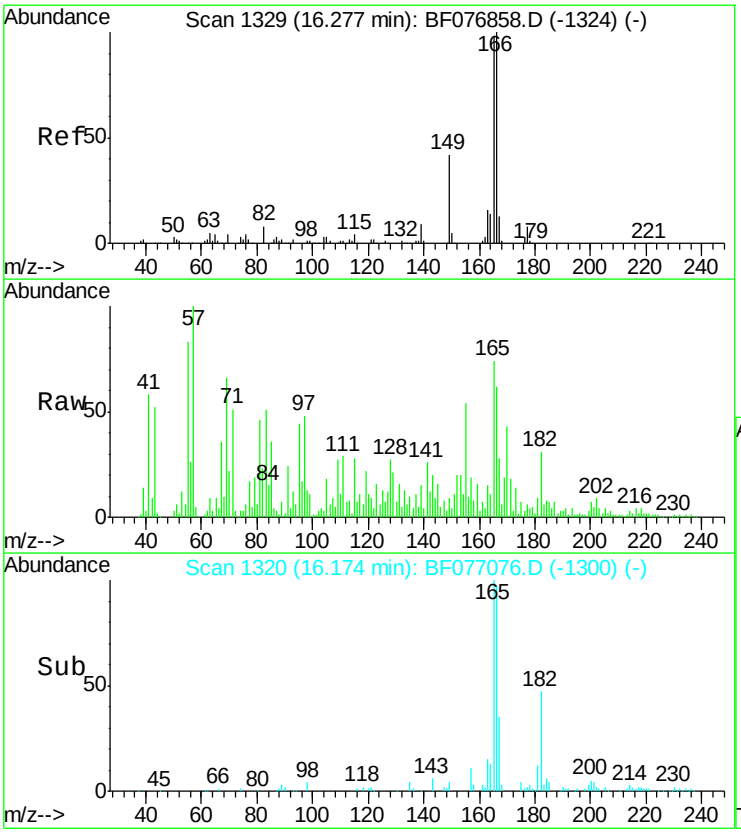
1/28/2015 5:42:23 PM

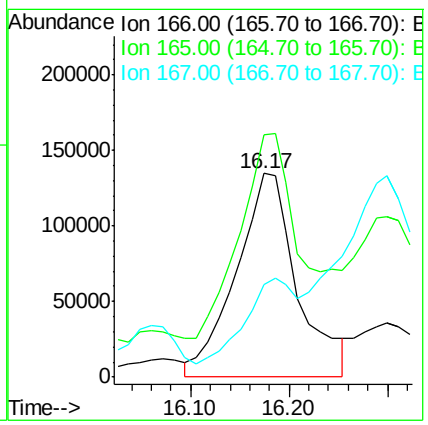


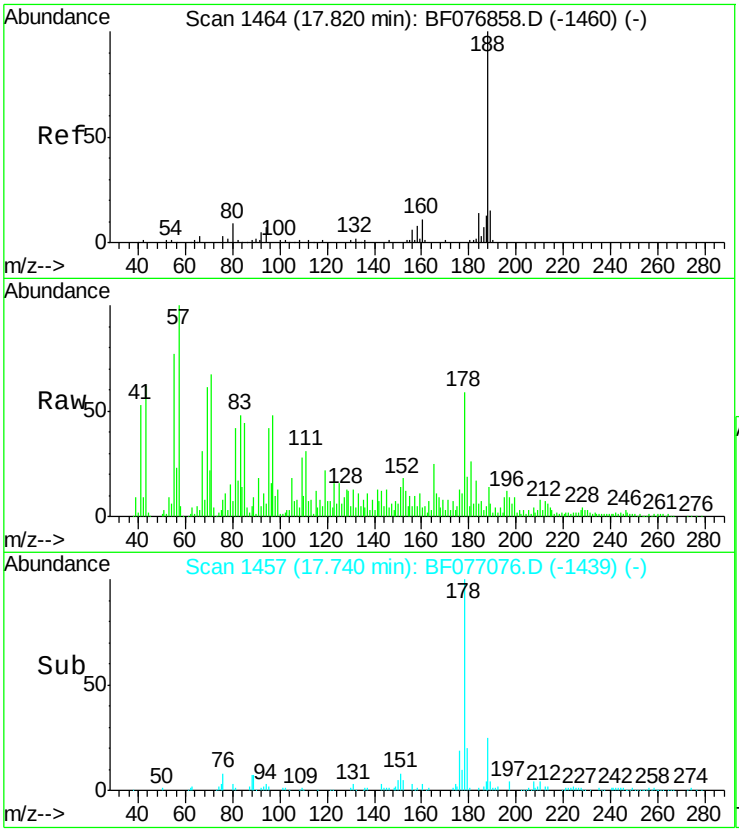


#57
Fluorene
Concen: 165.68 ng m
RT: 16.17 min Scan# 1320
Delta R.T. 0.13 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:166 Resp: 580978

Ion	Ratio	Lower	Upper
166	100		
165	118.7	78.5	117.7#
167	45.7	10.4	15.6#





#63
Phenanthrene-d10
Concen: 20.00 ng m
RT: 17.74 min Scan# 1457
Delta R.T. 0.10 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:188 Resp: 90673

Ion	Ratio	Lower	Upper
188	100		
94	45.2	6.0	9.0#
80	46.9	6.9	10.3#

Instrument :
BNA_F
ClientSampleId :
104B1A

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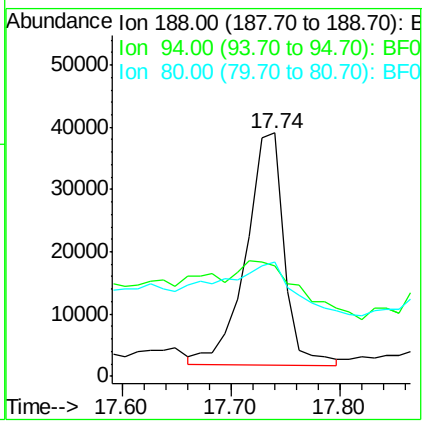
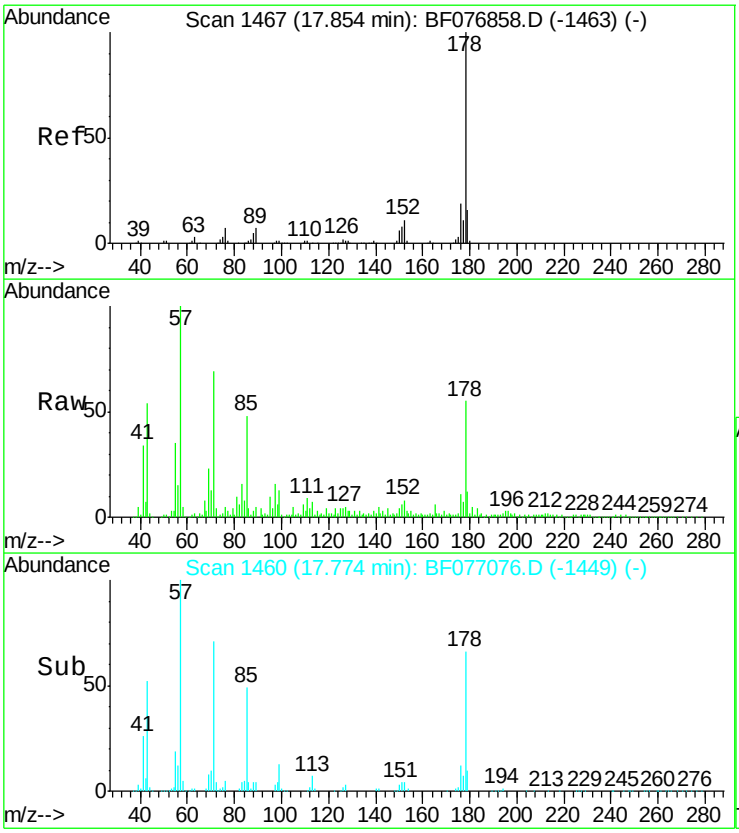
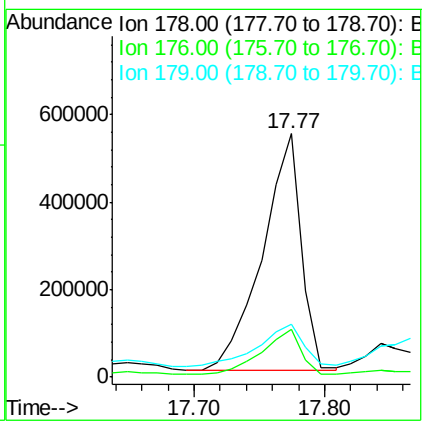


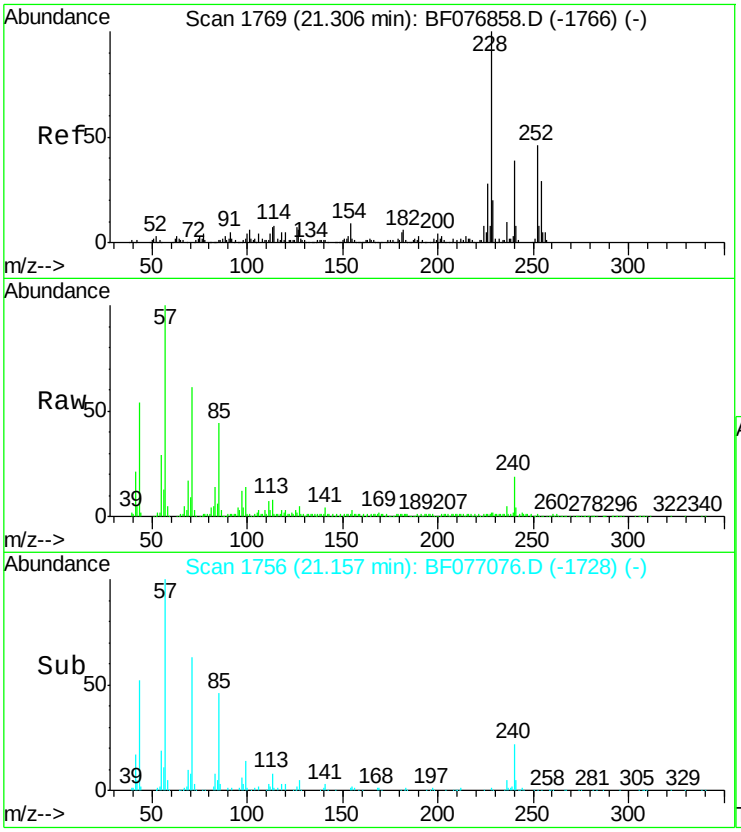


#70
Phenanthrene
Concen: 199.26 ng
RT: 17.77 min Scan# 1460
Delta R.T. 0.02 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:178 Resp: 1126696

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	22.0	12.7	19.1#





#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.16 min Scan# 1756
Delta R.T. 0.02 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:240 Resp: 81370

Ion	Ratio	Lower	Upper
240	100		
120	16.9	10.4	15.6#
236	25.9	20.2	30.2

Instrument :
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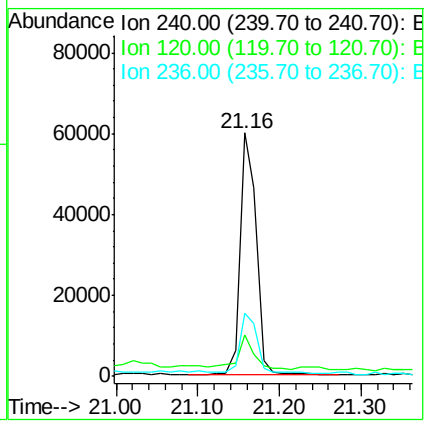
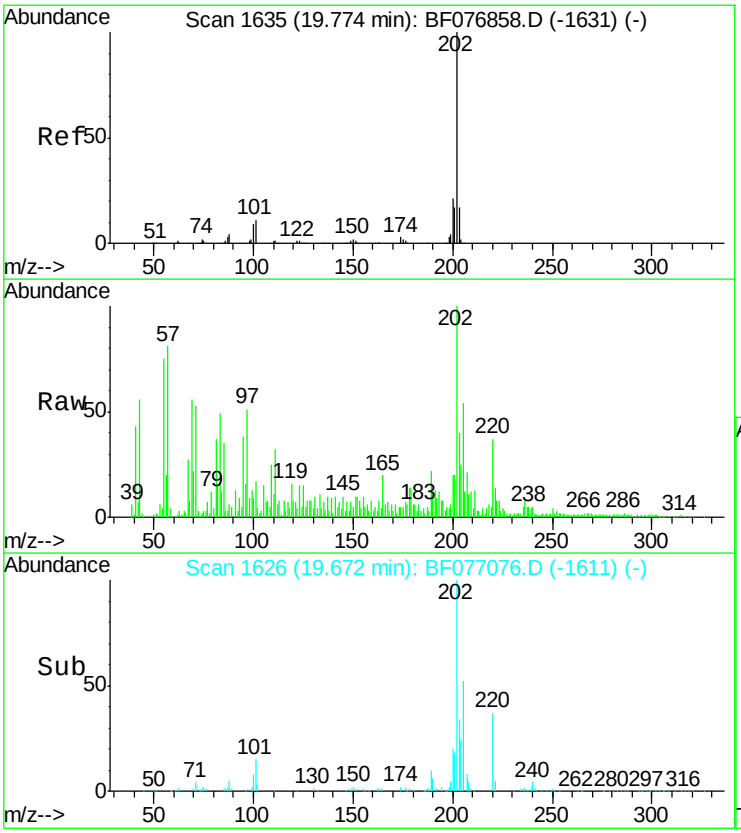
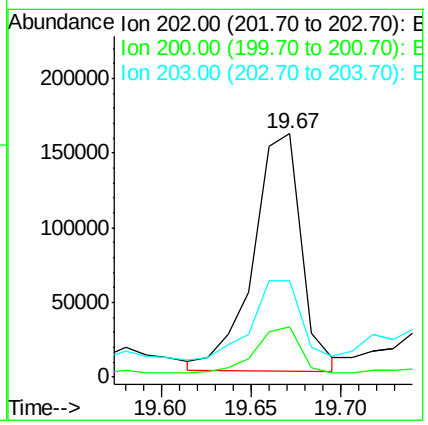


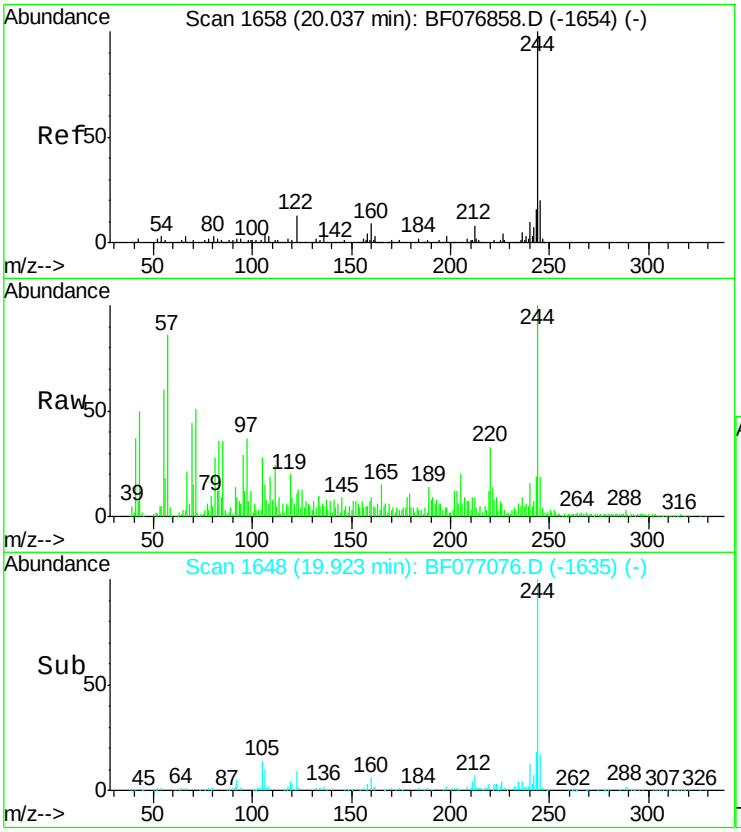


#77
Pyrene
Concen: 52.76 ng m
RT: 19.67 min Scan# 1626
Delta R.T. 0.07 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:202 Resp: 294202

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	39.8	14.0	21.0#

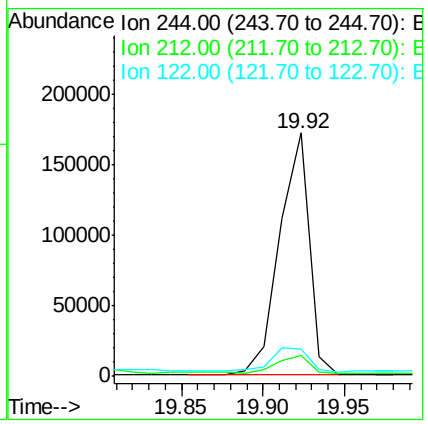




#78
Terphenyl-d14
Concen: 62.38 ng
RT: 19.92 min Scan# 1648
Delta R.T. 0.05 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:244 Resp: 220494

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.3	9.5
122	11.5	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
104B1A

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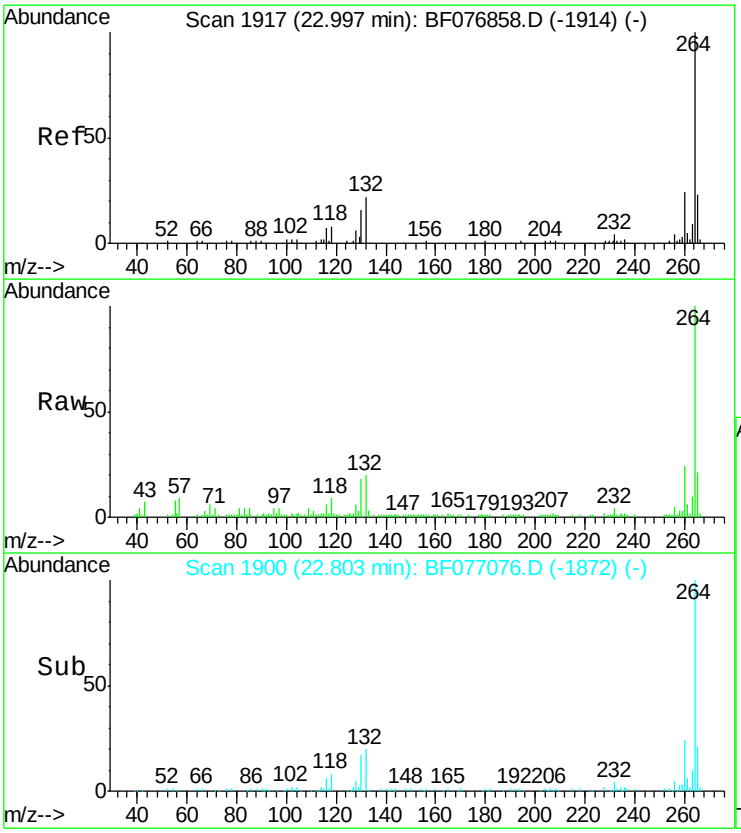
apatel
1/28/2015 5:42:23 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 22.80 min Scan# 1900
Delta R.T. 0.02 min
Lab File: BF077076.D
Acq: 27 Jan 2015 6:32

Tgt Ion:264 Resp: 76846

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	21.2	18.1	27.1