Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078965.D
Acq On : 6 May 2015 17:31
Operator : TP/IZ
Sample : G2114-10 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GRID-4(0-6)

Manual Integrations APPROVED
apatel
5/7/2015 1:57:52 PM

Quant Time: May 07 11:52:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 07 00:45:56 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	73253	20.00	ng		0.00
21) Naphthalene-d8	8.92	136	311322	20.00	ng		0.00
38) Acenaphthene-d10	11.10	164	144437	20.00	ng		0.00
63) Phenanthrene-d10	12.95	188	301006	20.00	ng		0.00
75) Chrysene-d12	16.25	240	326070	20.00	ng		-0.06
86) Perylene-d12	18.02	264	353911	20.00	ng		-0.21
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	209788	49.30	ng		0.01
7) Phenol-d6	6.90	99	286334	50.90	ng		0.01
23) Nitrobenzene-d5	8.03	82	158048	29.18	ng		0.00
41) 2,4,6-Tribromophenol	12.08	330	75092	48.06	ng		0.00
44) 2-Fluorobiphenyl	10.27	172	321220	30.98	ng		0.00
78) Terphenyl-d14	14.95	244	392709m	28.83	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	12.98	178	195321	11.60	ng		98
71) Anthracene	13.04	178	43493	2.63	ng		99
74) Fluoranthene	14.46	202	340887	19.43	ng		98
77) Pyrene	14.74	202	322669m	17.17	ng		
80) Benzo(a)anthracene	16.24	228	157830m	8.84	ng		
82) Chrysene	16.29	228	155668m	9.06	ng		
83) Bis(2-ethylhexyl)phthalate	16.29	149	62998	5.06	ng	#	94
85) Indeno(1,2,3-cd)pyrene	19.52	276	108656m	4.97	ng		
87) Benzo(b)fluoranthene	17.57	252	203385	10.50	ng		100
88) Benzo(k)fluoranthene	17.58	252	87399m	4.66	ng		
89) Benzo(a)pyrene	17.95	252	153157	8.59	ng	#	96
91) Benzo(g,h,i)perylene	19.97	276	106454	5.60	ng		97

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

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Misc :
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BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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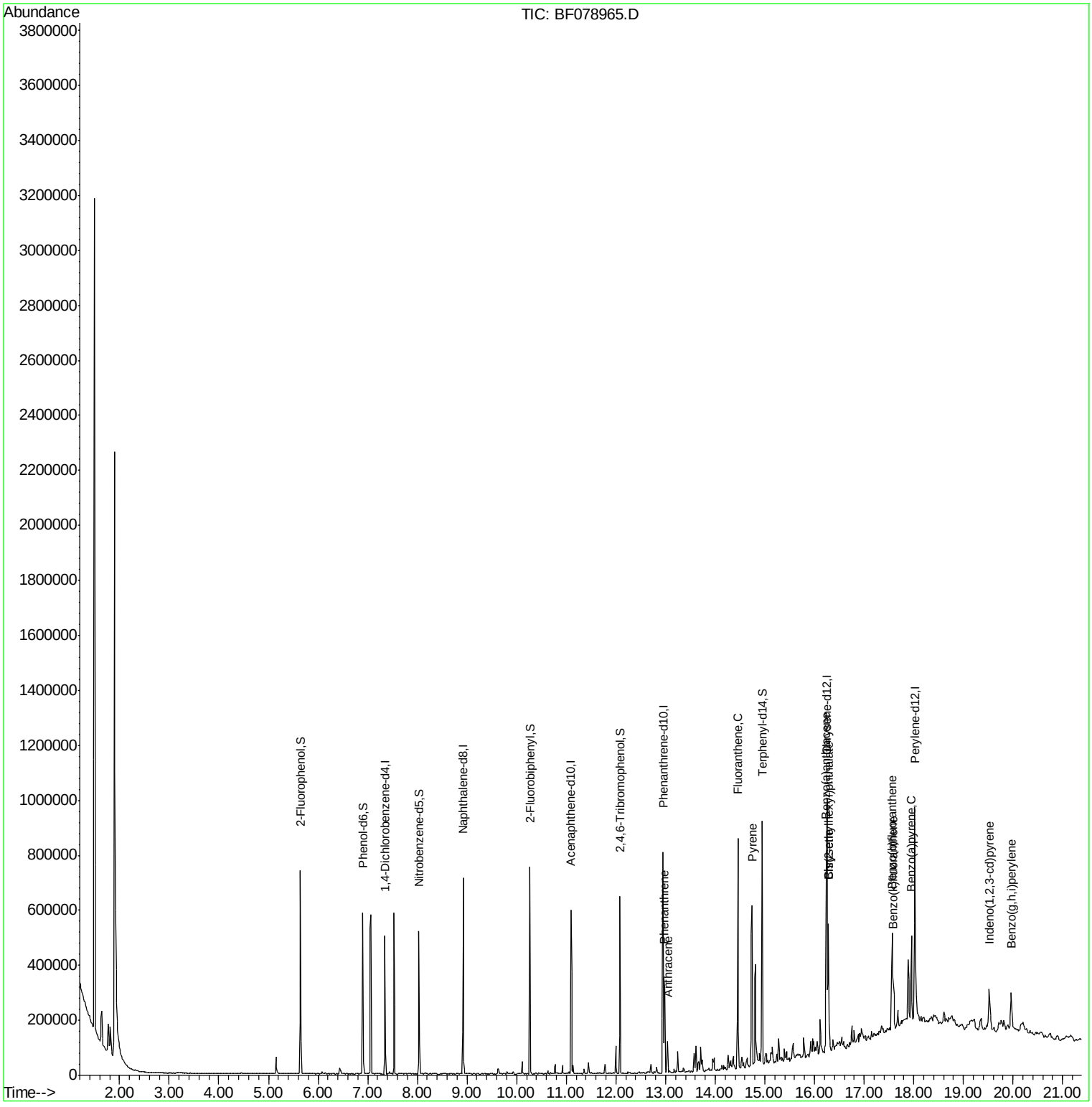
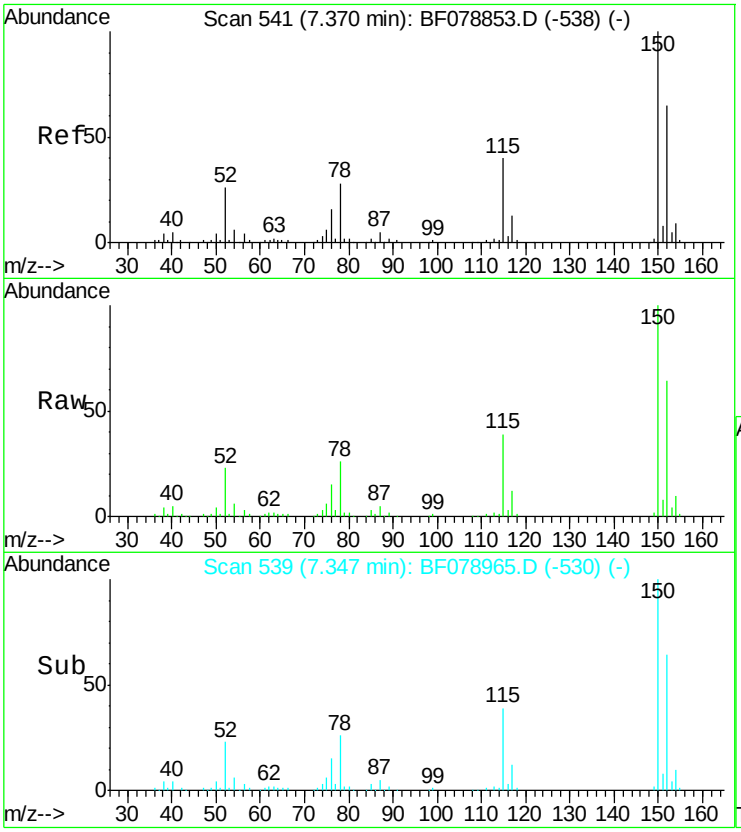
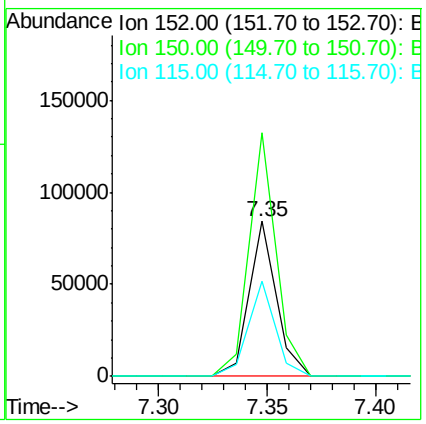




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:152 Resp: 73253

Ion	Ratio	Lower	Upper
152	100		
150	157.0	122.0	183.0
115	61.6	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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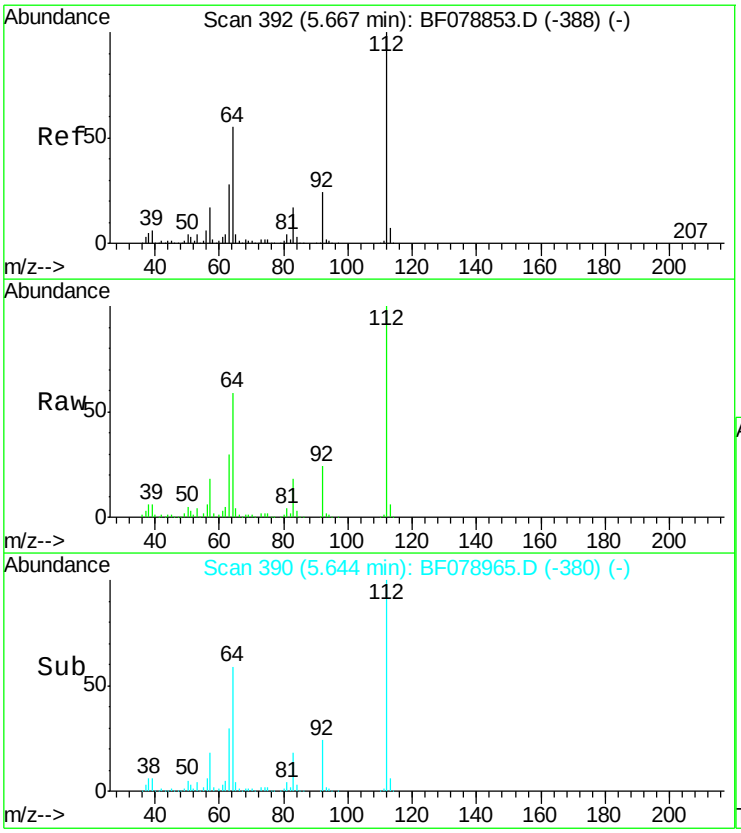
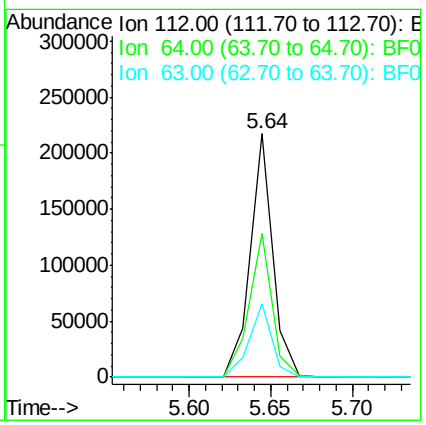
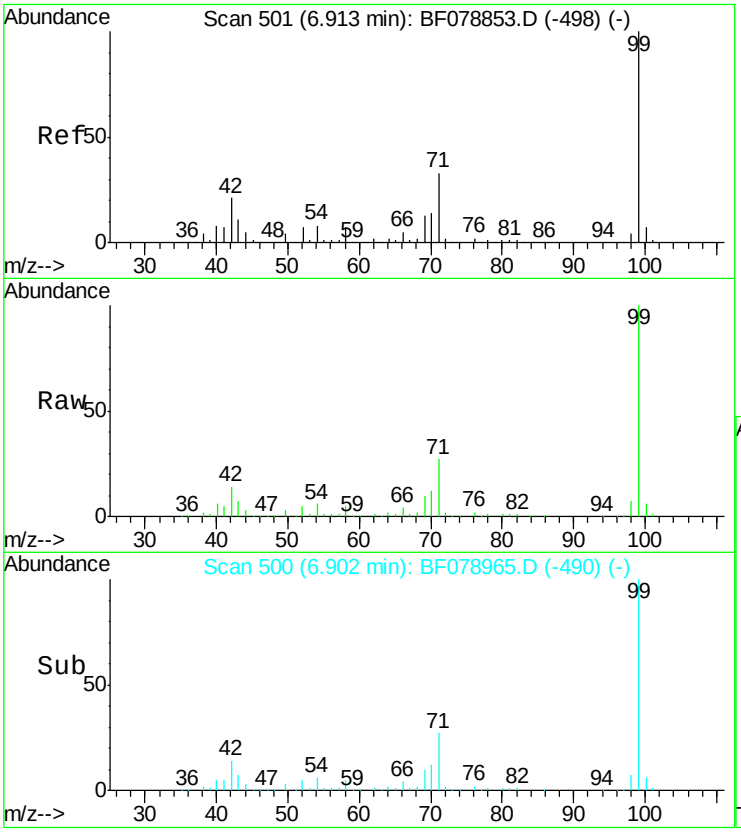


#5
2-Fluorophenol
Concen: 49.30 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:112 Resp: 209788

Ion	Ratio	Lower	Upper
112	100		
64	59.2	53.5	80.3
63	30.2	27.5	41.3

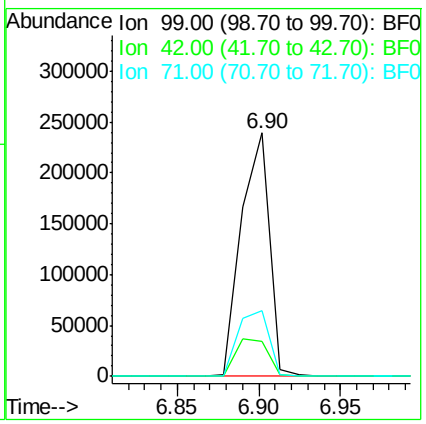




#7
Phenol-d6
Concen: 50.90 ng
RT: 6.90 min Scan# 500
Delta R.T. 0.01 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion: 99 Resp: 286334

Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.8	19.2
71	27.2	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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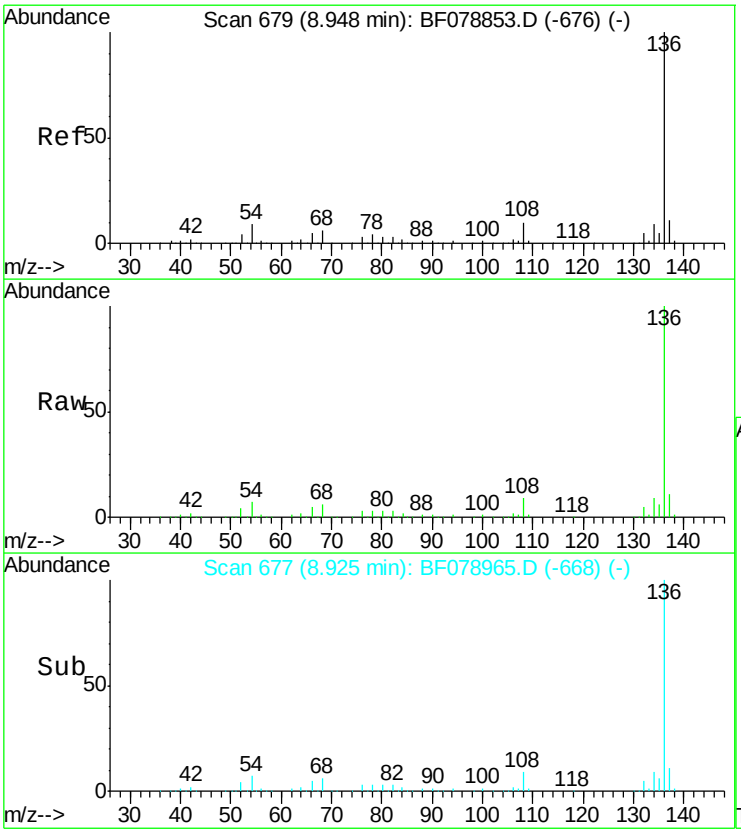
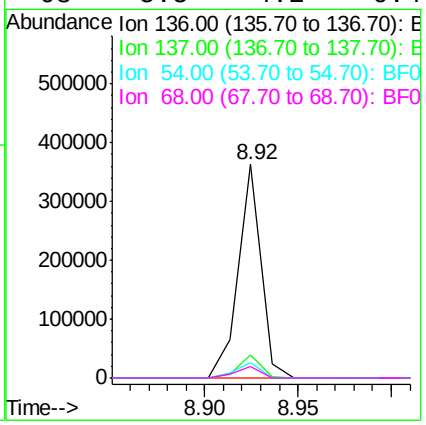
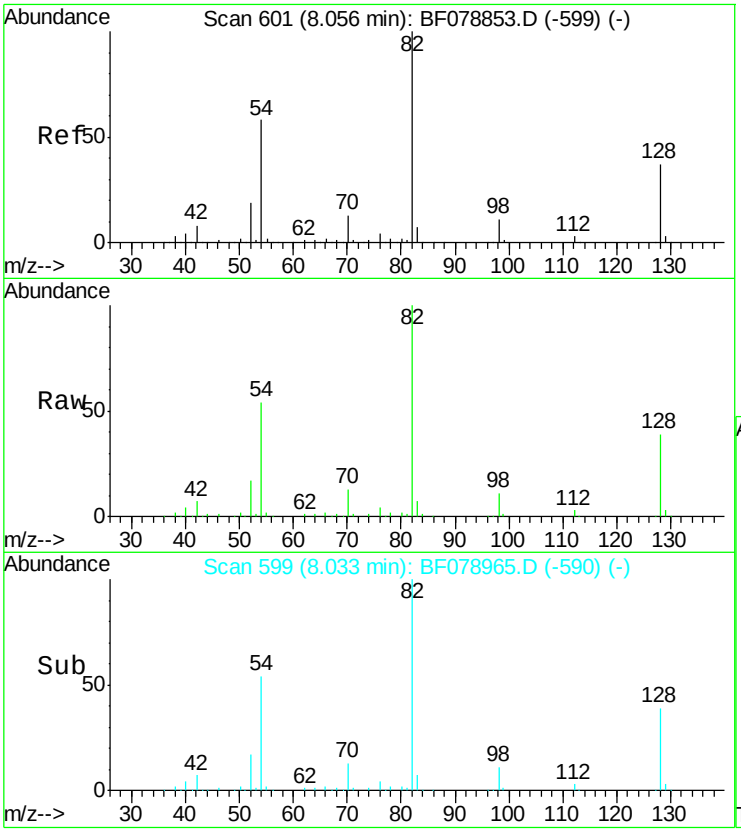


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:136 Resp: 311322

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	7.2	5.8	8.8
68	5.5	4.2	6.4

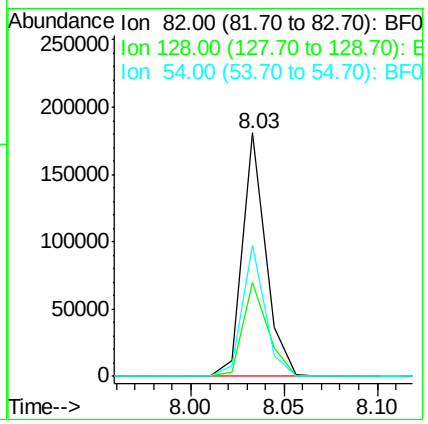




#23
Nitrobenzene-d5
Concen: 29.18 ng
RT: 8.03 min Scan# 599
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion: 82 Resp: 158048

Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.0	45.0
54	54.0	46.4	69.6



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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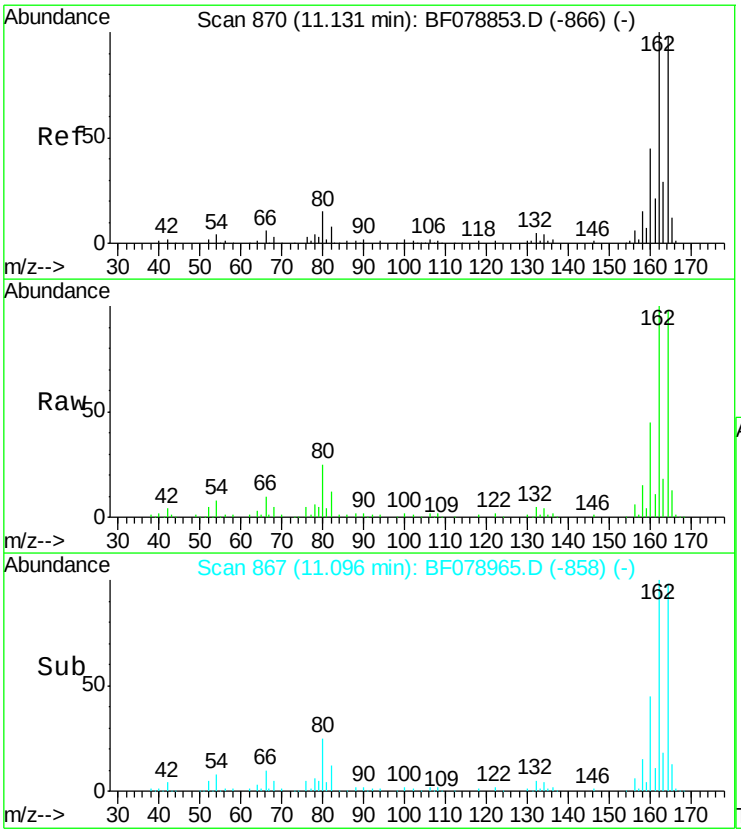
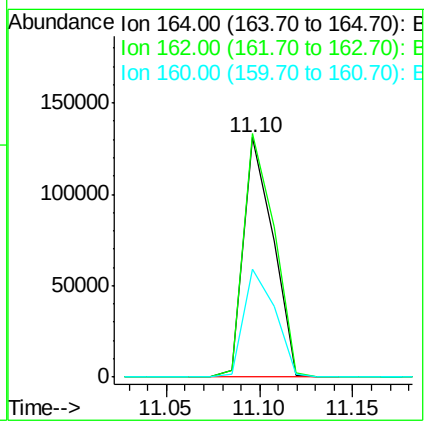
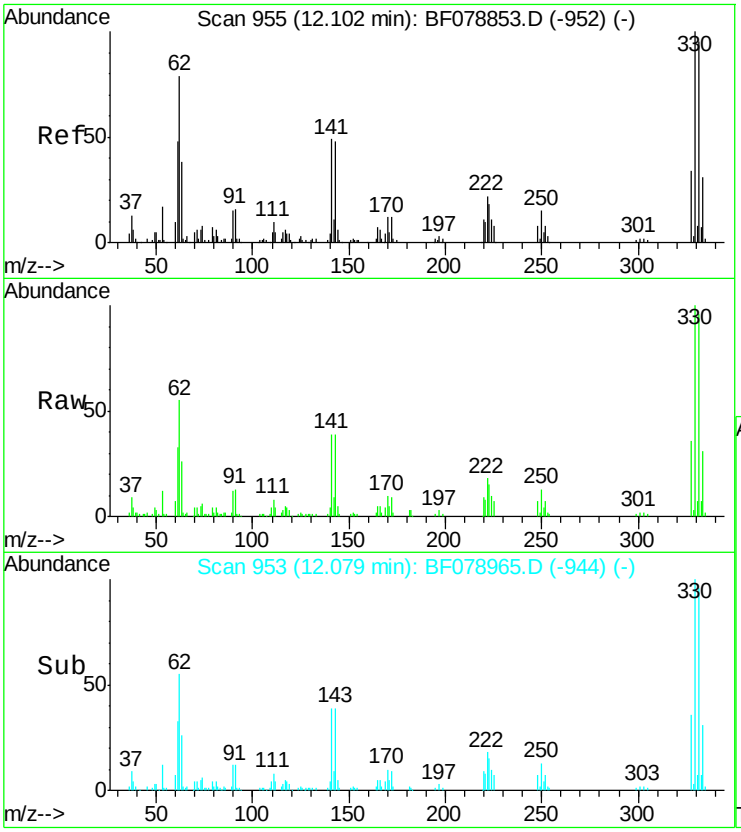


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:164 Resp: 144437

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.7	124.1
160	45.3	35.8	53.8

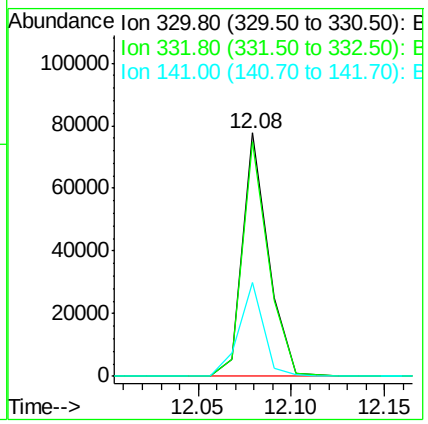




#41
2,4,6-Tribromophenol
Concen: 48.06 ng
RT: 12.08 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:330 Resp: 75092

Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	37.0	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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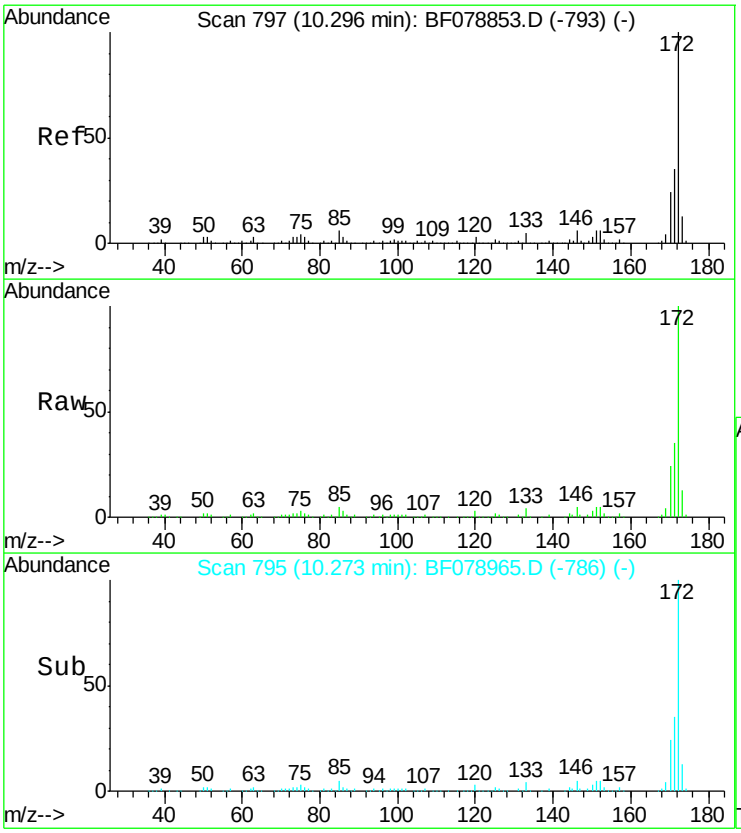
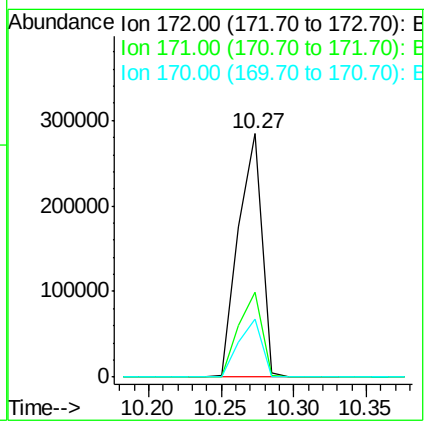
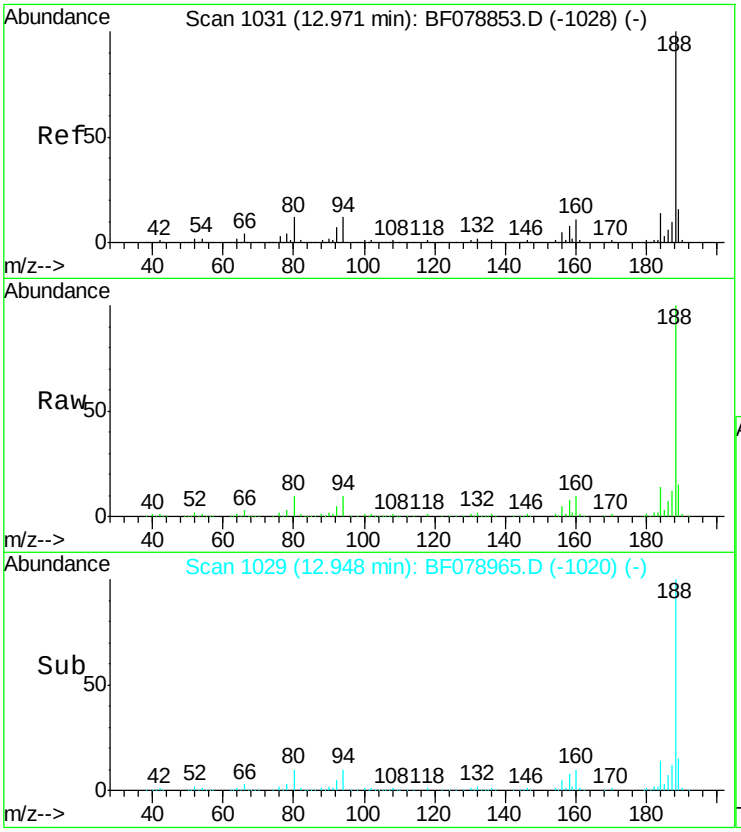


#44
2-Fluorobiphenyl
Concen: 30.98 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:172 Resp: 321220

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.6	19.4	29.0





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:188 Resp: 301006

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	10.1	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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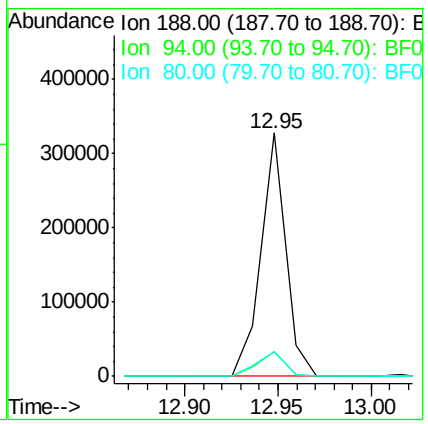
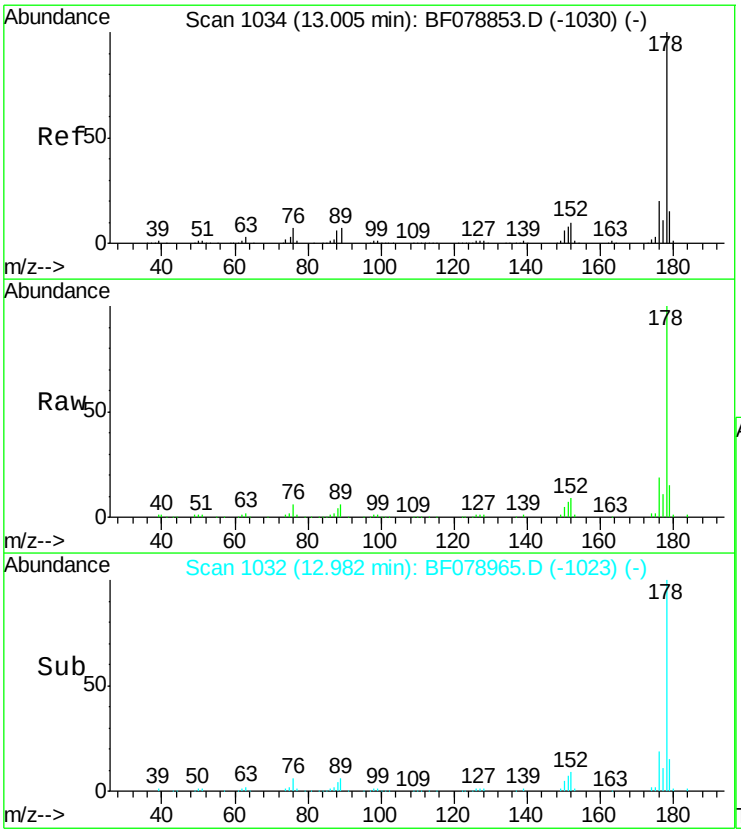
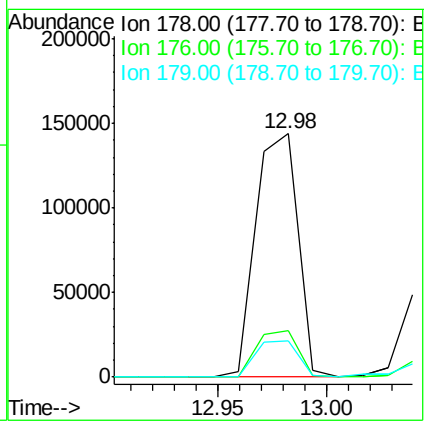


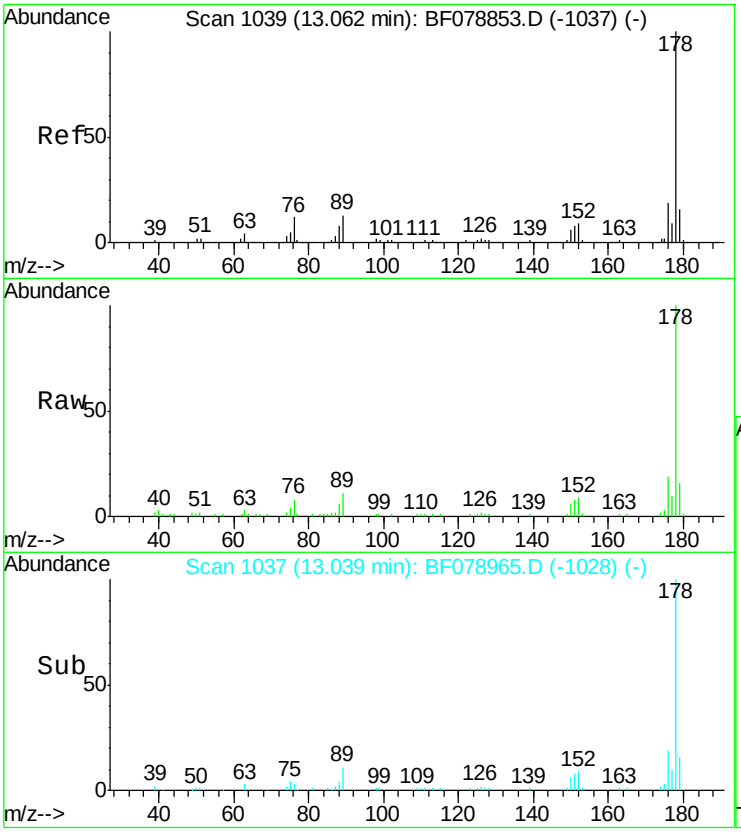


#70
Phenanthrene
Concen: 11.60 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:178 Resp: 195321

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.7	12.5	18.7

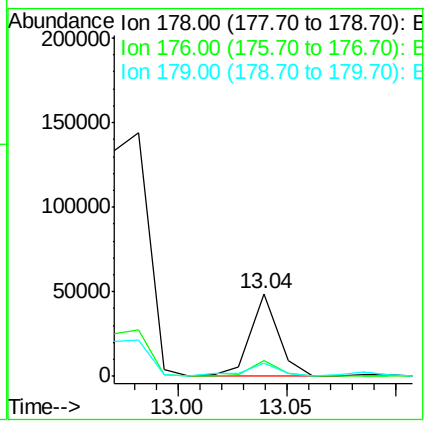




#71
Anthracene
Concen: 2.63 ng
RT: 13.04 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:178 Resp: 43493

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.2	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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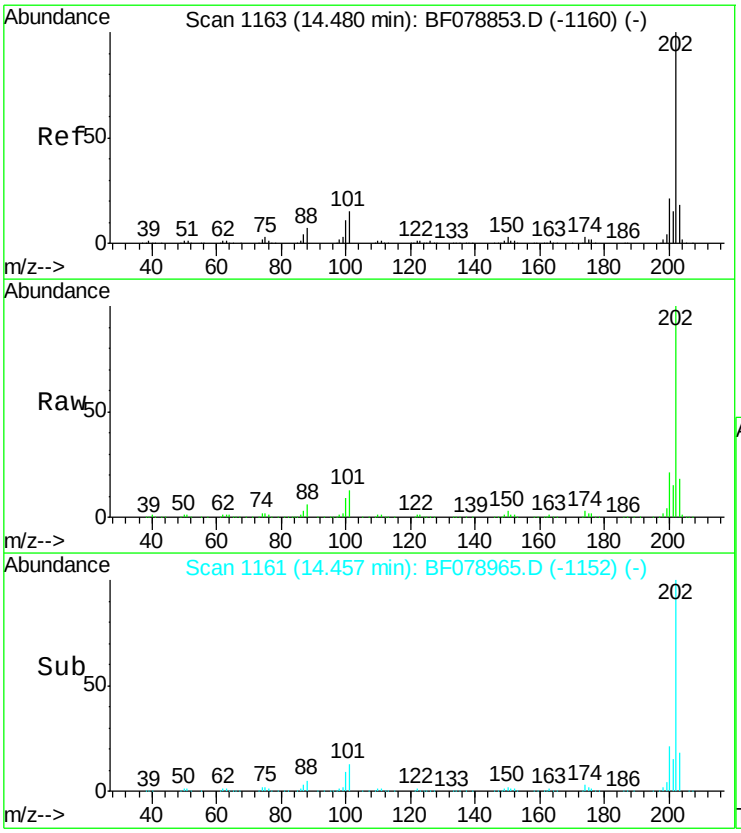
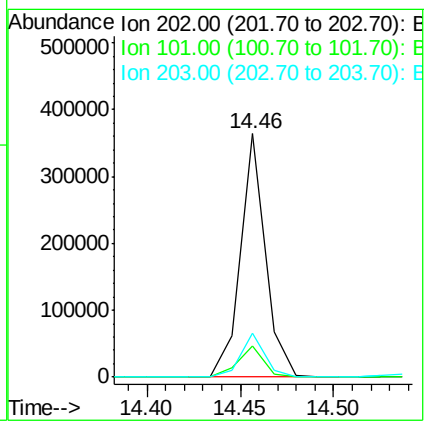
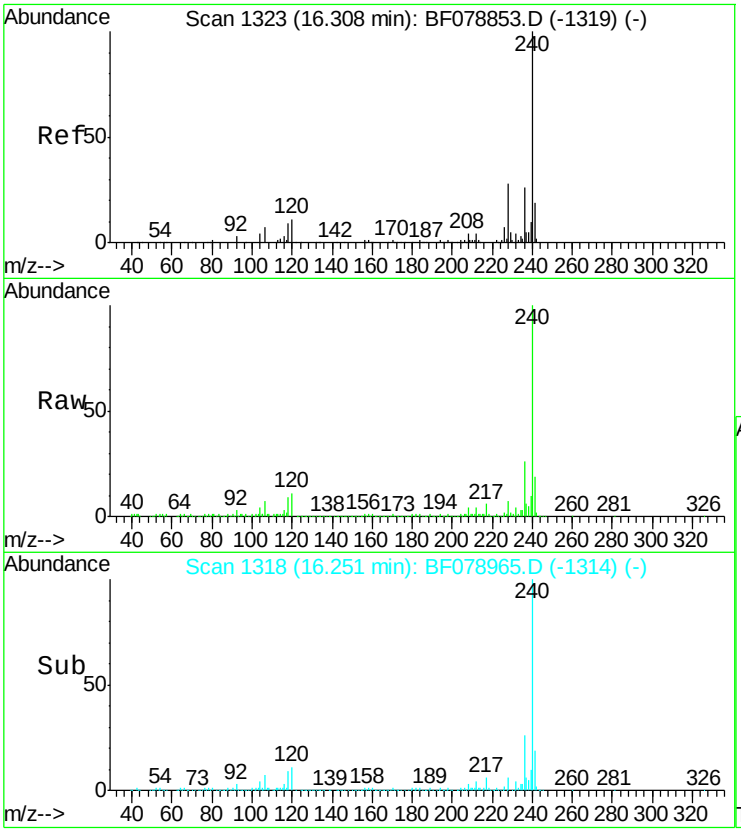


#74
Fluoranthene
Concen: 19.43 ng
RT: 14.46 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:202 Resp: 340887

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.6
203	18.2	0.0	38.4

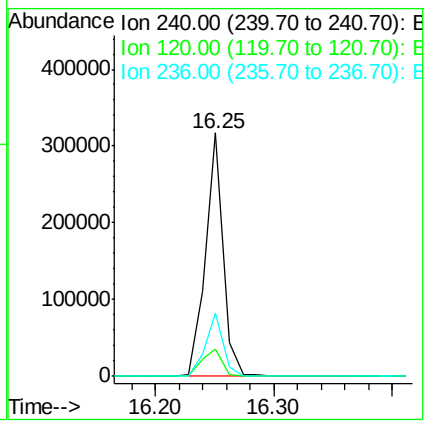




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 1318
Delta R.T. -0.06 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:240 Resp: 326070

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	26.1	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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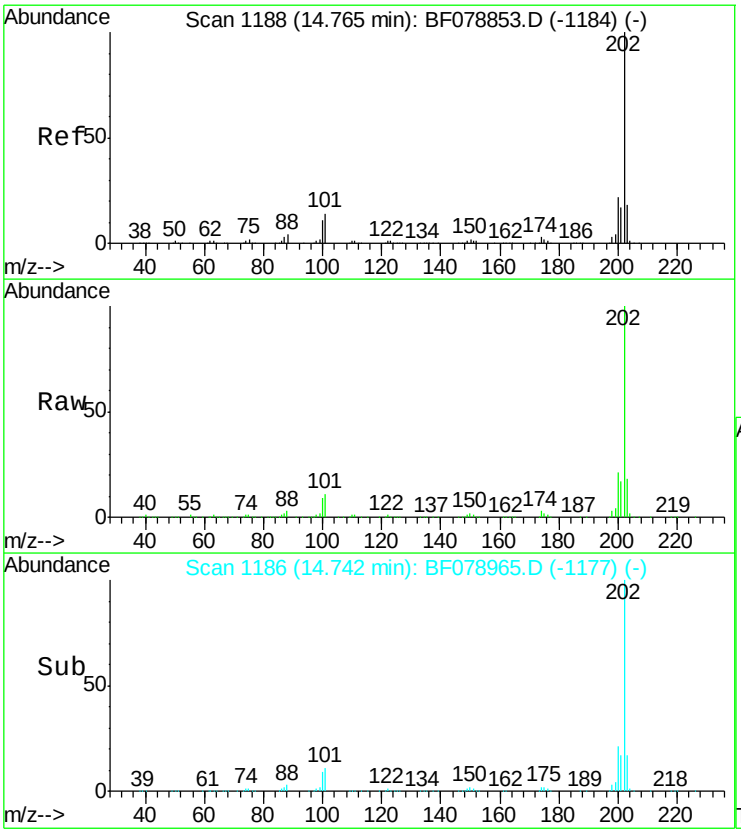
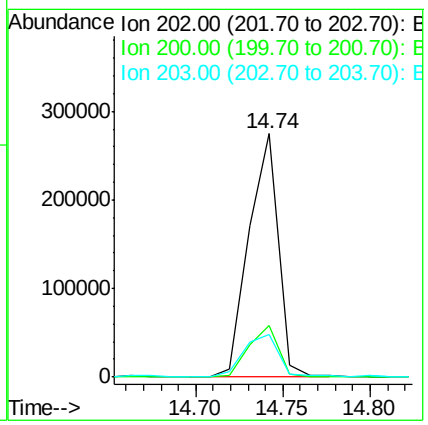
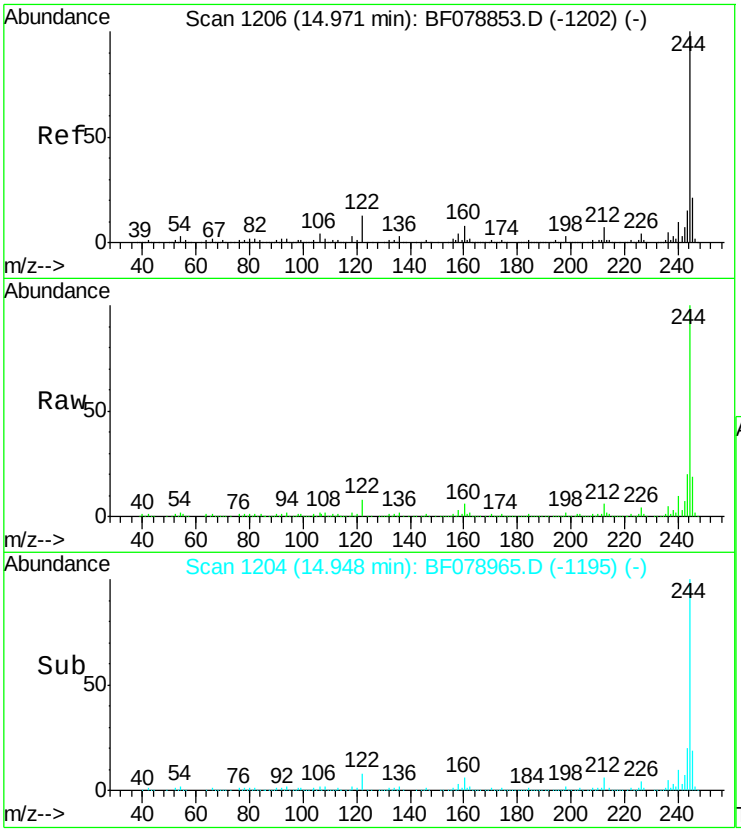


#77
Pyrene
Concen: 17.17 ng m
RT: 14.74 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:202 Resp: 322669

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	17.7	13.9	20.9

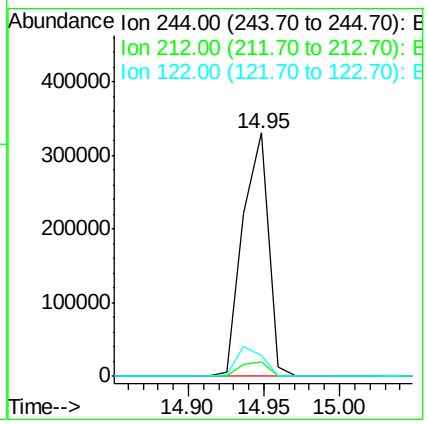




#78
Terphenyl-d14
Concen: 28.83 ng m
RT: 14.95 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:244 Resp: 392709

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.6	8.4
122	8.4	10.3	15.5#



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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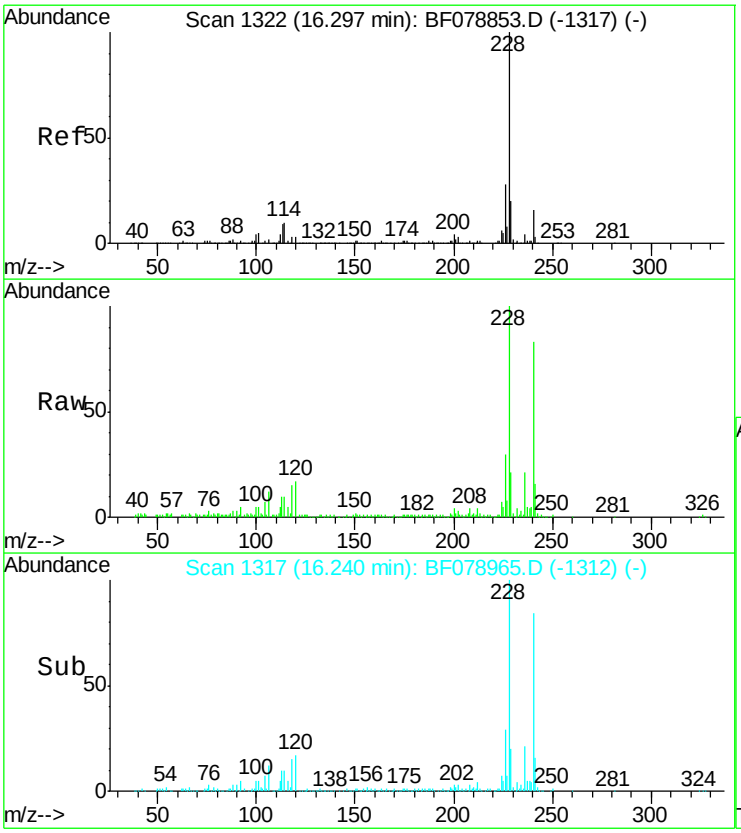
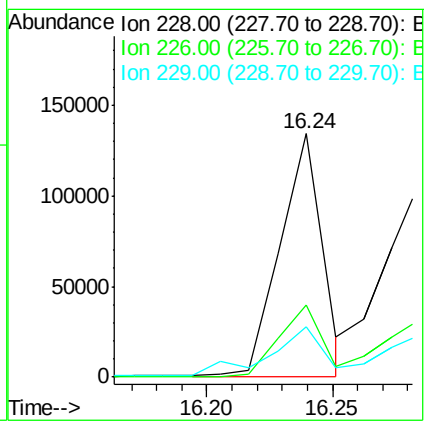
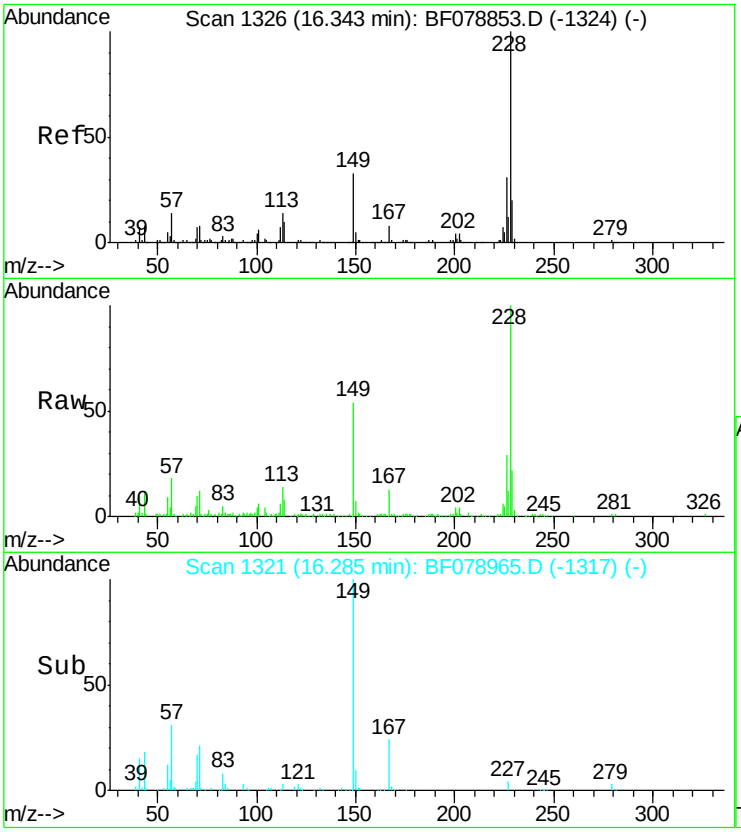


#80
Benzo(a)anthracene
Concen: 8.84 ng m
RT: 16.24 min Scan# 1317
Delta R.T. -0.05 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:228 Resp: 157830

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.8	15.9	23.9

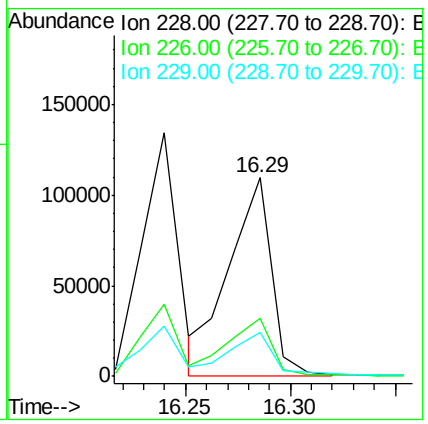




#82
Chrysene
Concen: 9.06 ng m
RT: 16.29 min Scan# 1321
Delta R.T. -0.06 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:228 Resp: 155668

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	21.9	16.0	24.0



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ClientSampleId :
GRID-4(0-6)

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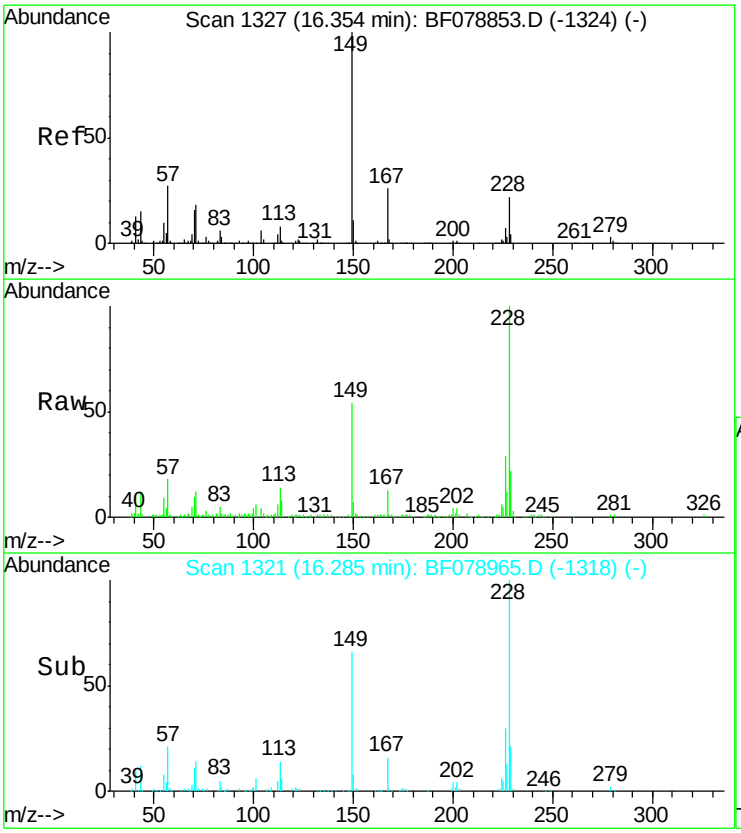
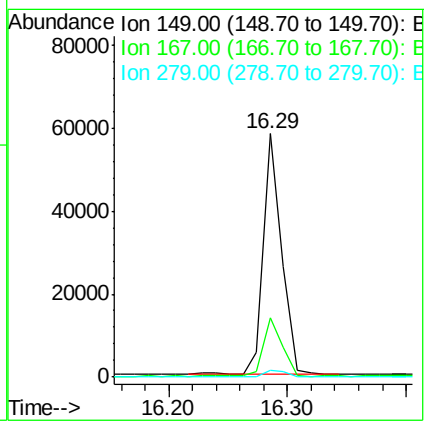
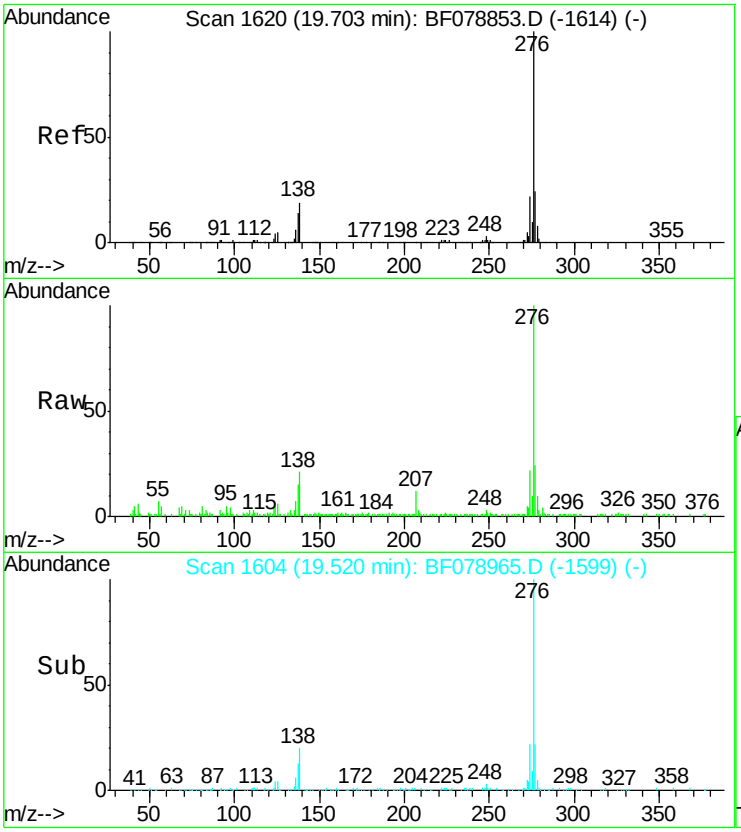


#83
Bis(2-ethylhexyl)phthalate
Concen: 5.06 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.07 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:149 Resp: 62998

Ion	Ratio	Lower	Upper
149	100		
167	24.2	21.8	32.8
279	2.5	2.9	4.3#

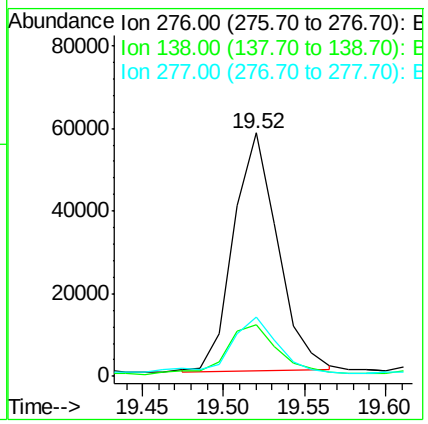




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.97 ng m
RT: 19.52 min Scan# 1604
Delta R.T. -0.24 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:276 Resp: 108656

Ion	Ratio	Lower	Upper
276	100		
138	3.1	0.0	0.0#
277	2.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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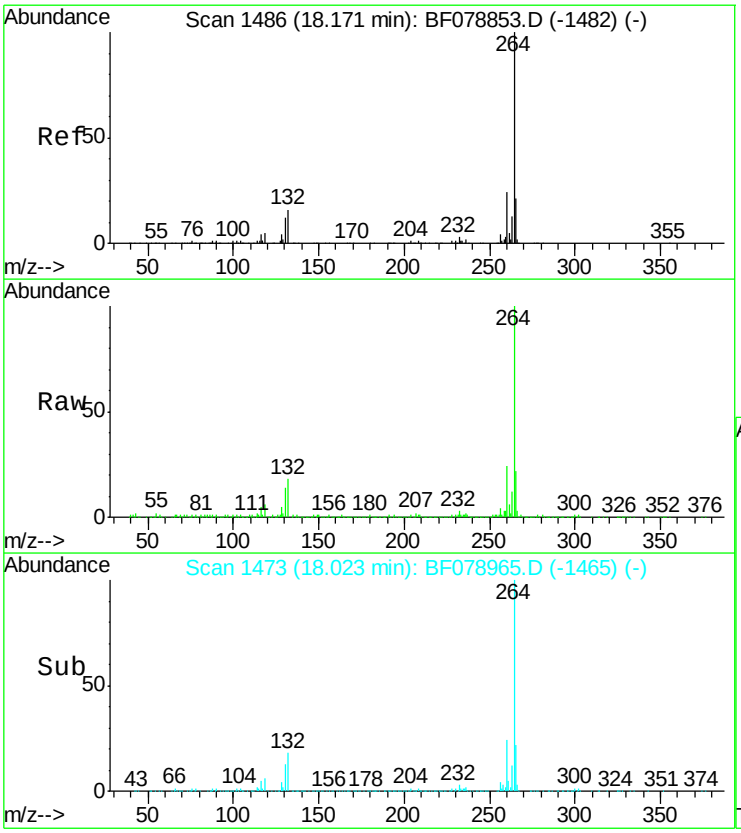
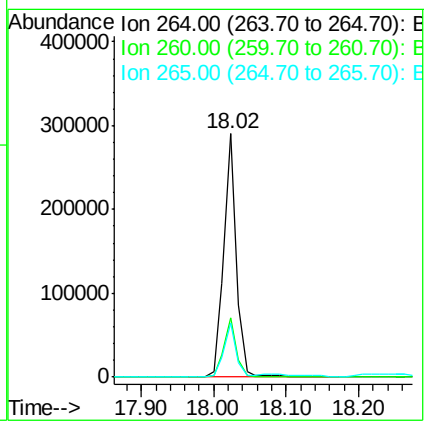
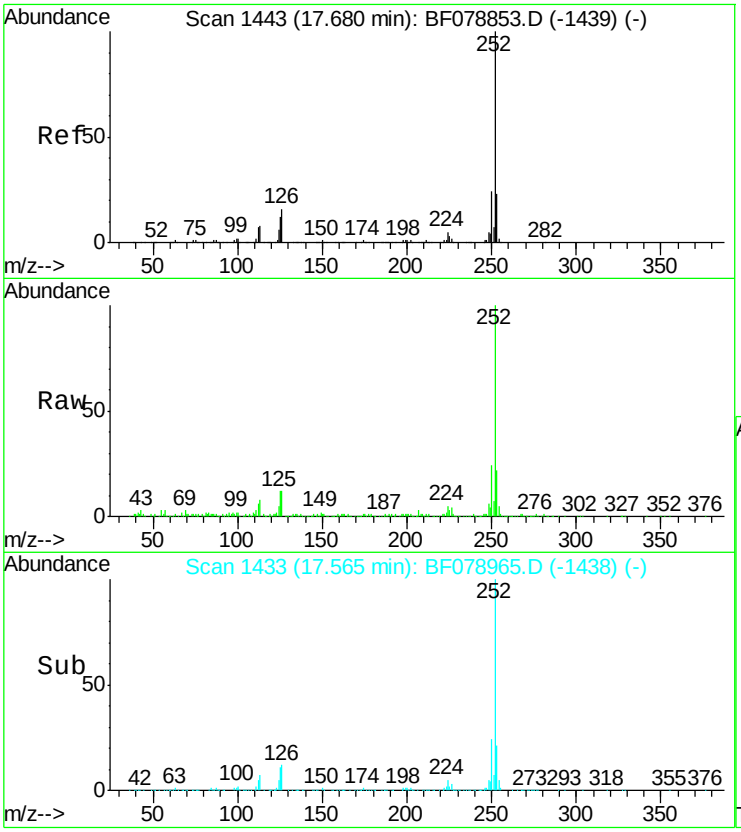


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1473
Delta R.T. -0.21 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:264 Resp: 353911

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.3	18.3	27.5

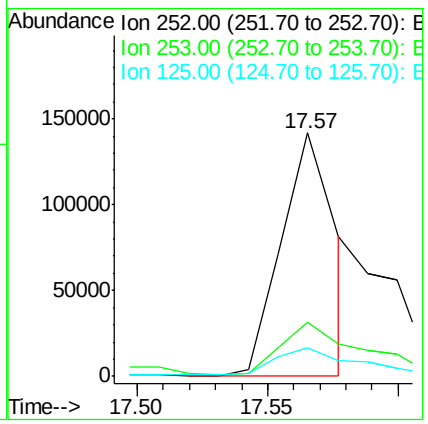




#87
Benzo(b)fluoranthene
Concen: 10.50 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.16 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:252 Resp: 203385

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

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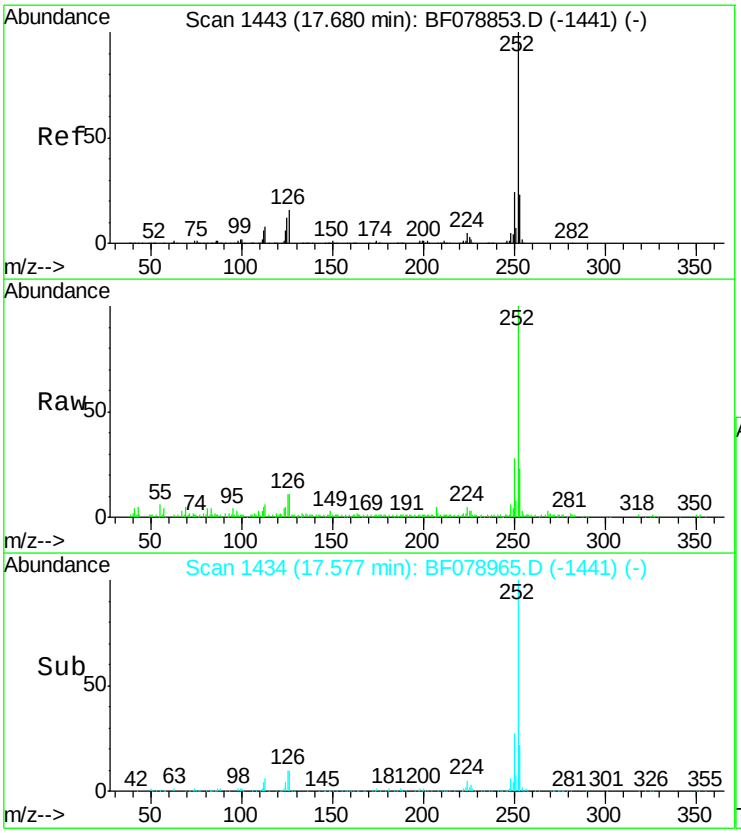
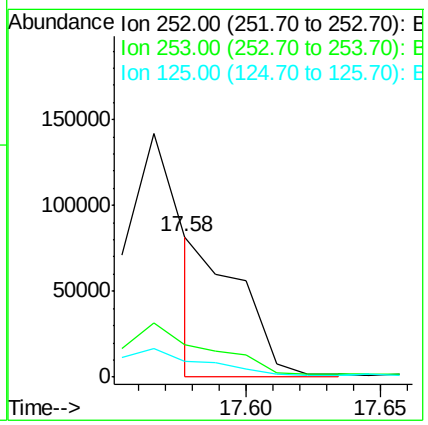
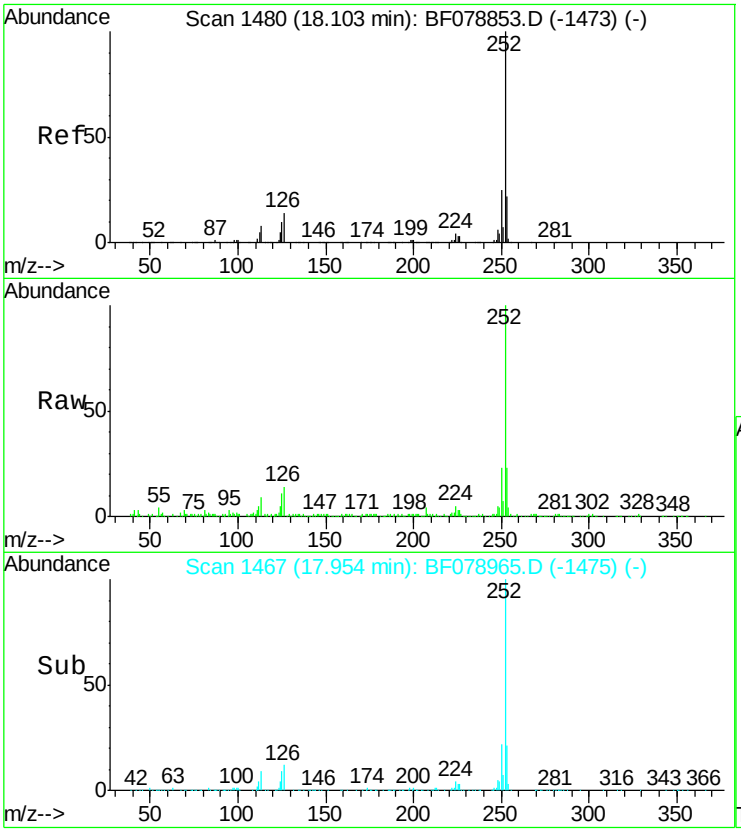


#88
Benzo(k)fluoranthene
Concen: 4.66 ng m
RT: 17.58 min Scan# 1434
Delta R.T. -0.18 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:252 Resp: 87399

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.3	10.0	15.0

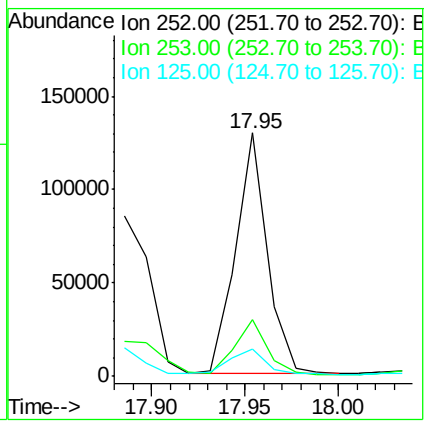




#89
Benzo(a)pyrene
Concen: 8.59 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.19 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:252 Resp: 153157

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	11.4	7.0	10.6#



Instrument :
BNA_F
ClientSampleId :
GRID-4(0-6)

Manual Integrations APPROVED
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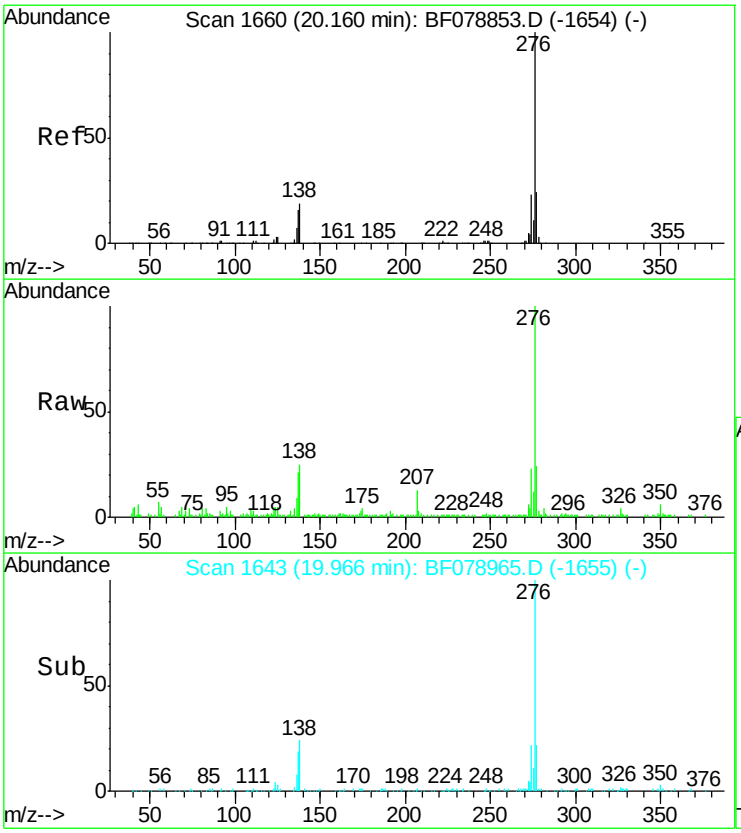

#91
Benzo(g,h,i)perylene
Concen: 5.60 ng
RT: 19.97 min Scan# 1643
Delta R.T. -0.24 min
Lab File: BF078965.D
Acq: 6 May 2015 17:31

Tgt Ion:276 Resp: 106454

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	24.6	17.4	26.0