Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
Data File : BF078875.D
Acq On : 1 May 2015 4:27
Operator : TP/IZ
Sample : G2032-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B2(0-2)

Manual Integrations APPROVED
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5/1/2015 4:45:20 PM

Quant Time: May 01 05:07:26 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 01 00:31:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	87273	20.00	ng		0.00
21) Naphthalene-d8	8.95	136	368080	20.00	ng		0.00
38) Acenaphthene-d10	11.13	164	171634	20.00	ng		0.00
63) Phenanthrene-d10	12.97	188	331178	20.00	ng		0.00
75) Chrysene-d12	16.27	240	345619	20.00	ng		0.00
86) Perylene-d12	18.02	264	374432	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.67	112	510434	100.68	ng		0.00
7) Phenol-d6	6.92	99	729028	108.78	ng		0.01
23) Nitrobenzene-d5	8.06	82	383216	59.84	ng		0.00
41) 2,4,6-Tribromophenol	12.10	330	193696	104.32	ng		0.00
44) 2-Fluorobiphenyl	10.30	172	836216	67.88	ng		0.00
78) Terphenyl-d14	14.97	244	906759	62.81	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	10.80	163	37981	3.02	ng		99
70) Phenanthrene	13.01	178	112302	6.06	ng		99
71) Anthracene	13.06	178	48445	2.67	ng		99
74) Fluoranthene	14.49	202	277643	14.38	ng		93
77) Pyrene	14.77	202	238571	11.98	ng		99
80) Benzo(a)anthracene	16.25	228	135271	7.15	ng		95
82) Chrysene	16.30	228	115394	6.34	ng		98
85) Indeno(1,2,3-cd)pyrene	19.53	276	83492	3.60	ng	#	100
87) Benzo(b)fluoranthene	17.57	252	155561m	7.59	ng		
88) Benzo(k)fluoranthene	17.58	252	69849m	3.52	ng		
89) Benzo(a)pyrene	17.95	252	120900	6.41	ng	#	96
91) Benzo(g,h,i)perylene	19.98	276	78172	3.89	ng		96

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

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Acq On : 1 May 2015 4:27
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Misc :
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Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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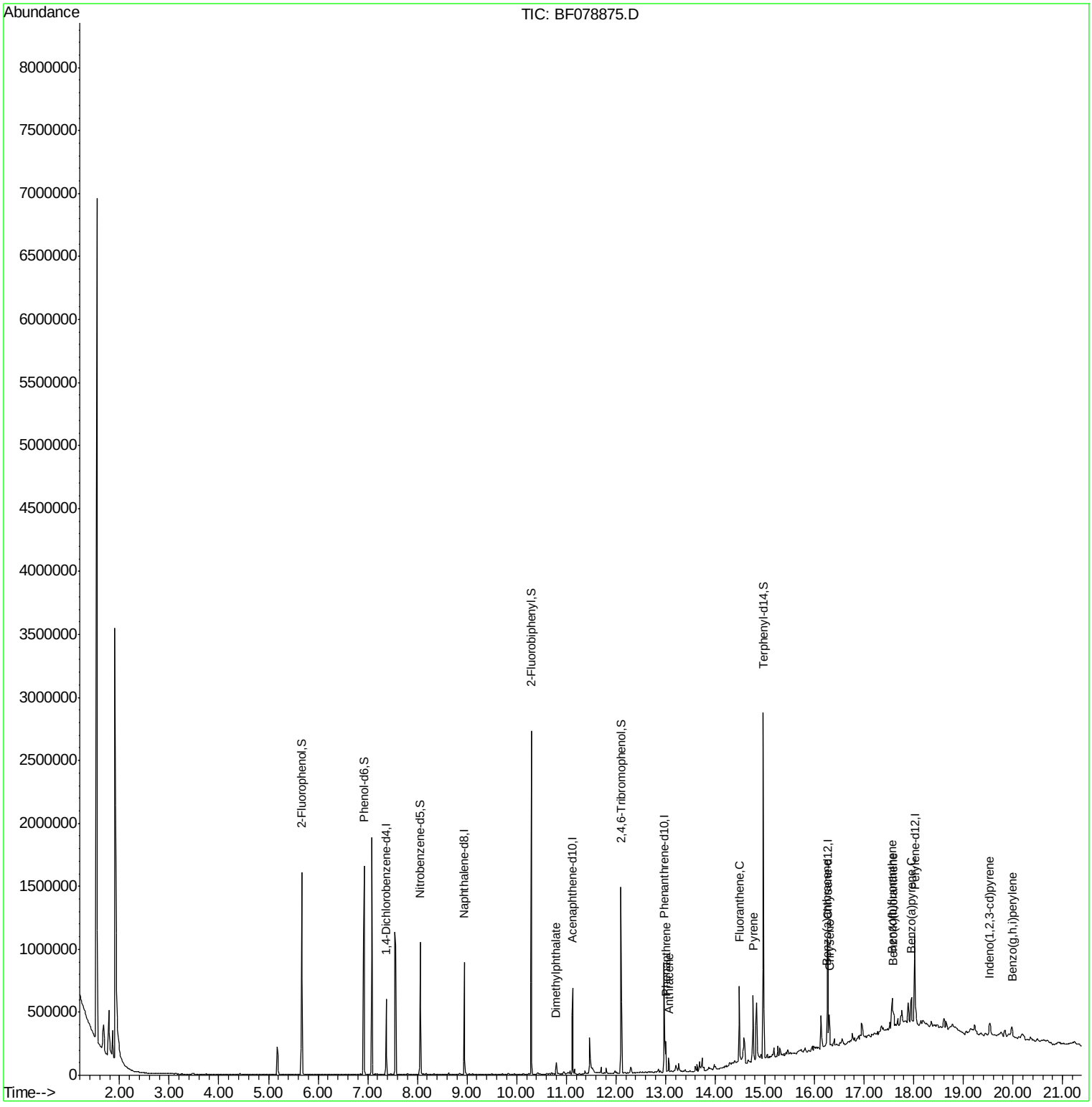
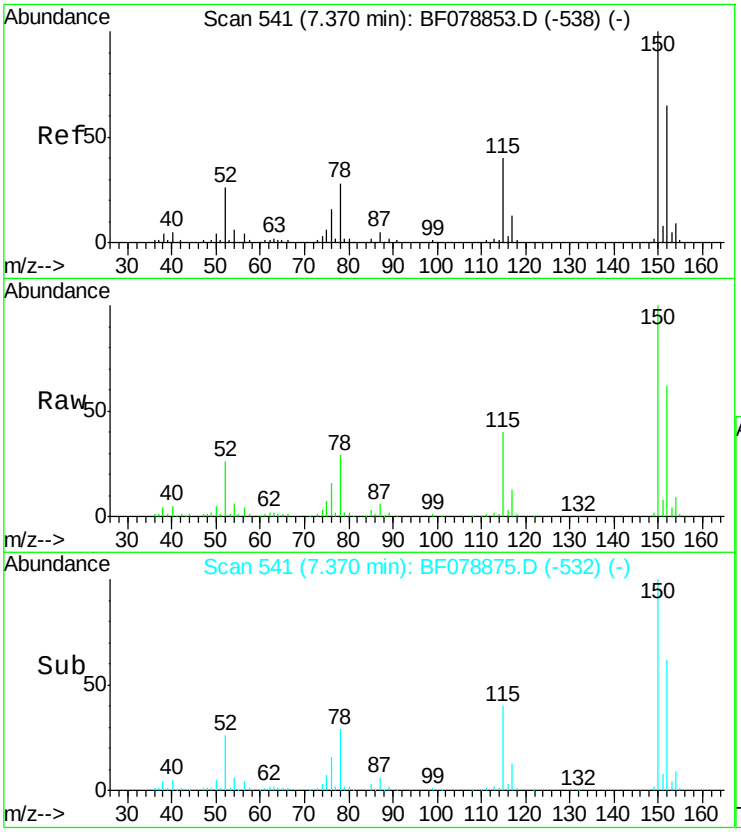
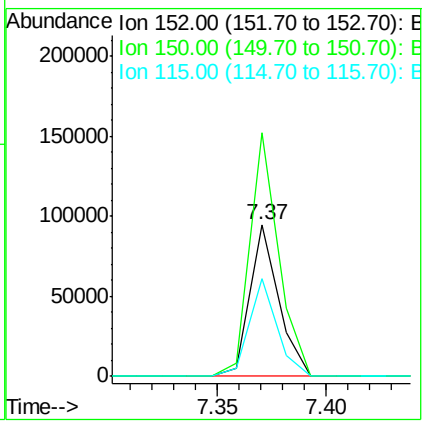




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:152 Resp: 87273

Ion	Ratio	Lower	Upper
152	100		
150	160.4	122.0	183.0
115	64.0	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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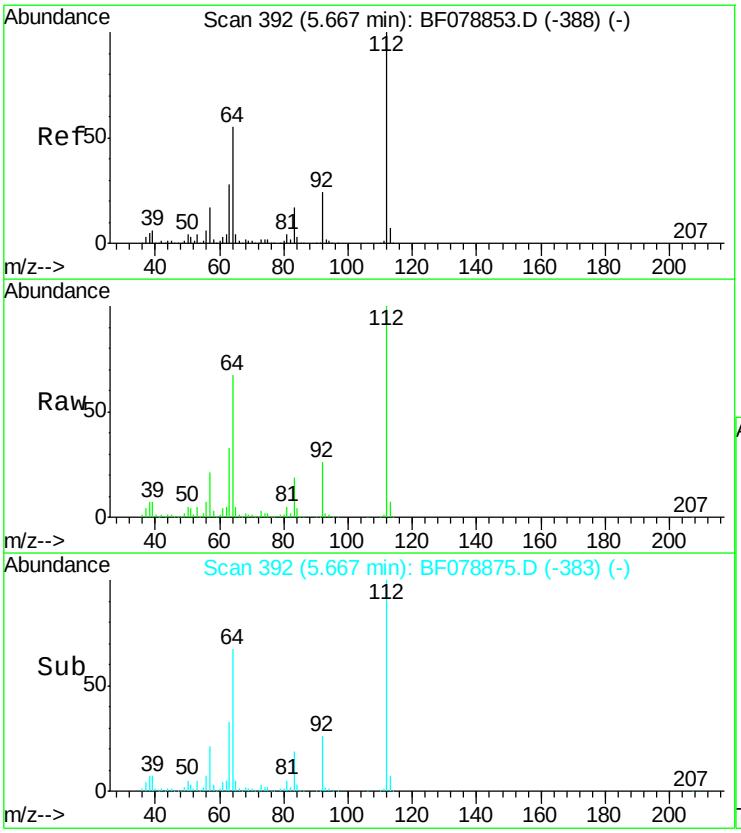
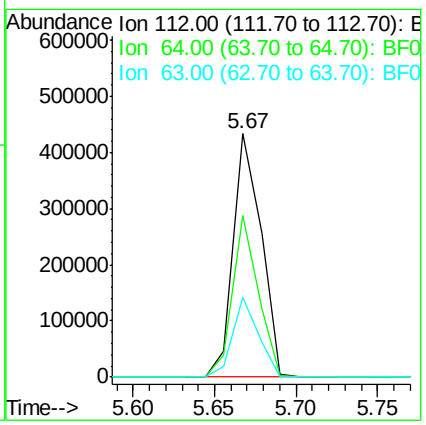
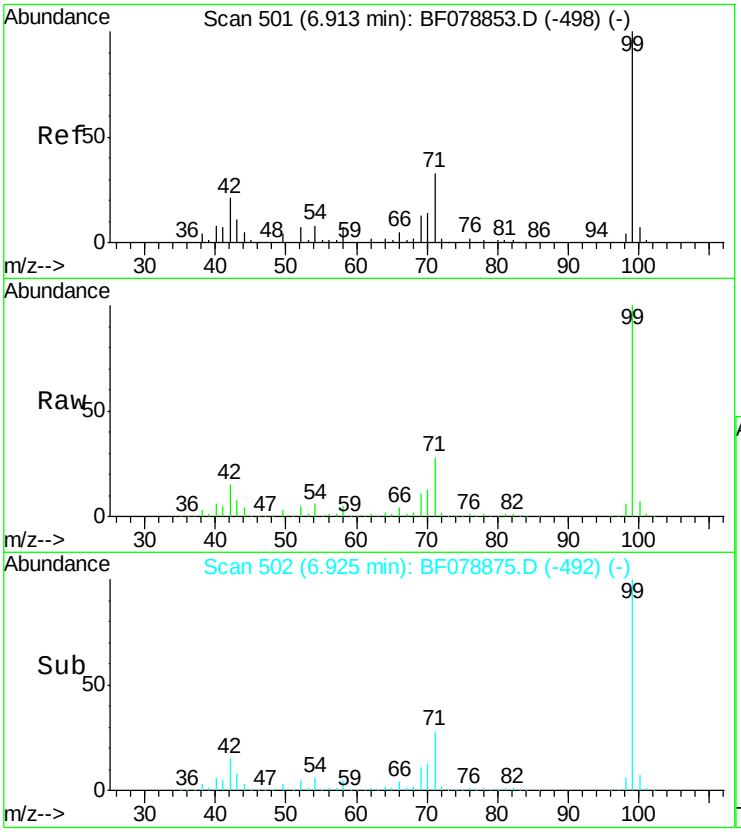


#5
2-Fluorophenol
Concen: 100.68 ng
RT: 5.67 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:112 Resp: 510434

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.5	80.3
63	33.0	27.5	41.3

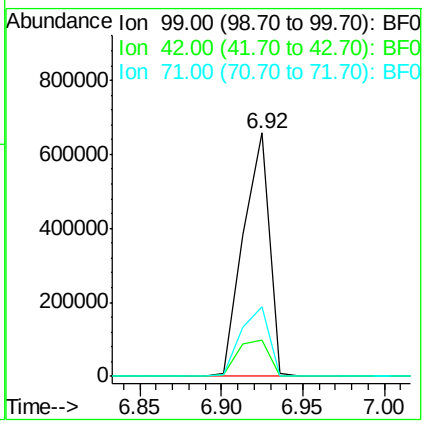




#7
Phenol-d6
Concen: 108.78 ng
RT: 6.92 min Scan# 502
Delta R.T. 0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion: 99 Resp: 729028

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.8	19.2
71	28.4	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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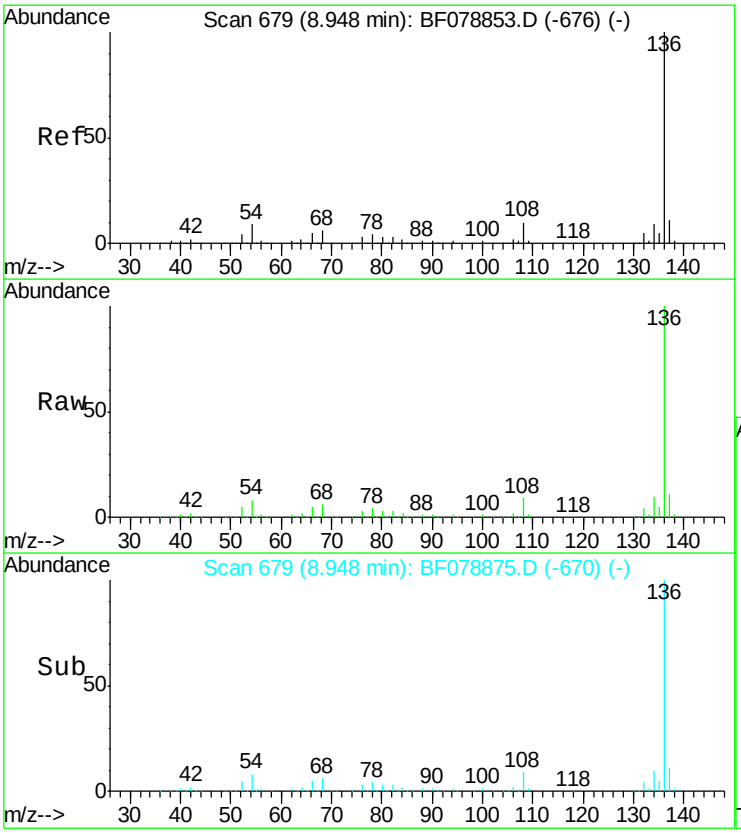
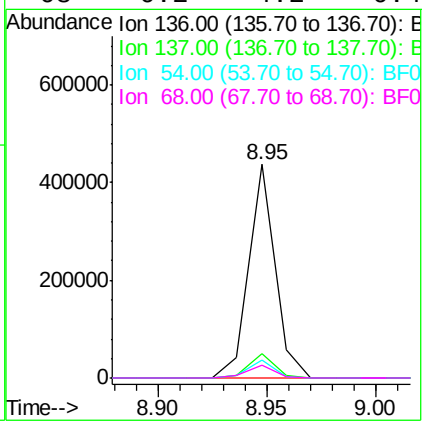
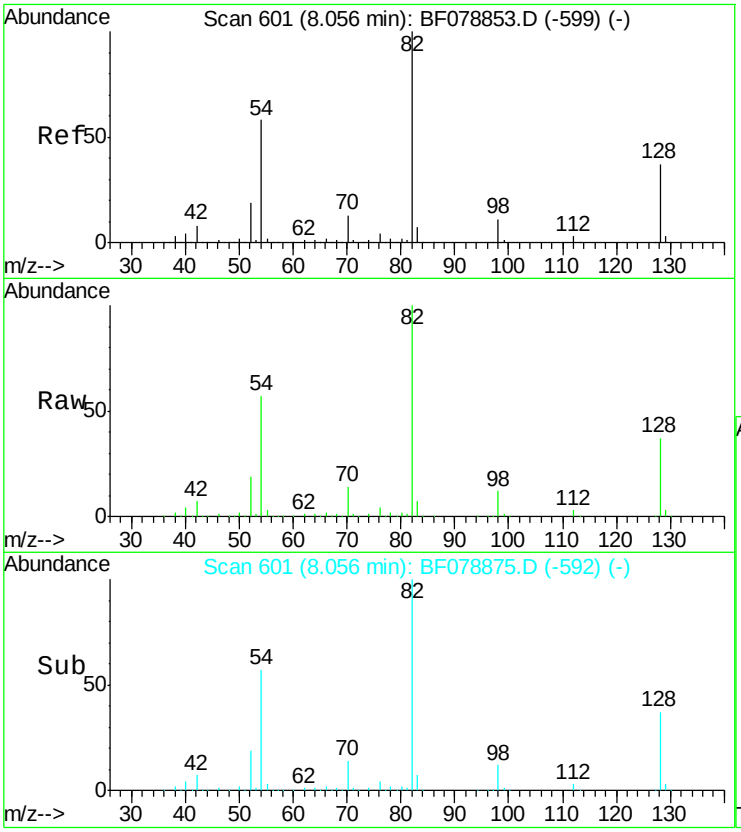


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.95 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:136 Resp: 368080

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.3	5.8	8.8
68	6.2	4.2	6.4

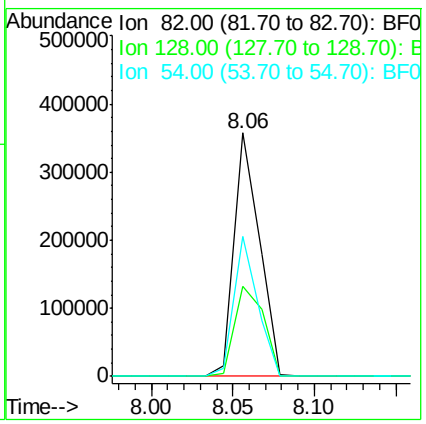




#23
Nitrobenzene-d5
Concen: 59.84 ng
RT: 8.06 min Scan# 601
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion: 82 Resp: 383216

Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.0	45.0
54	57.4	46.4	69.6



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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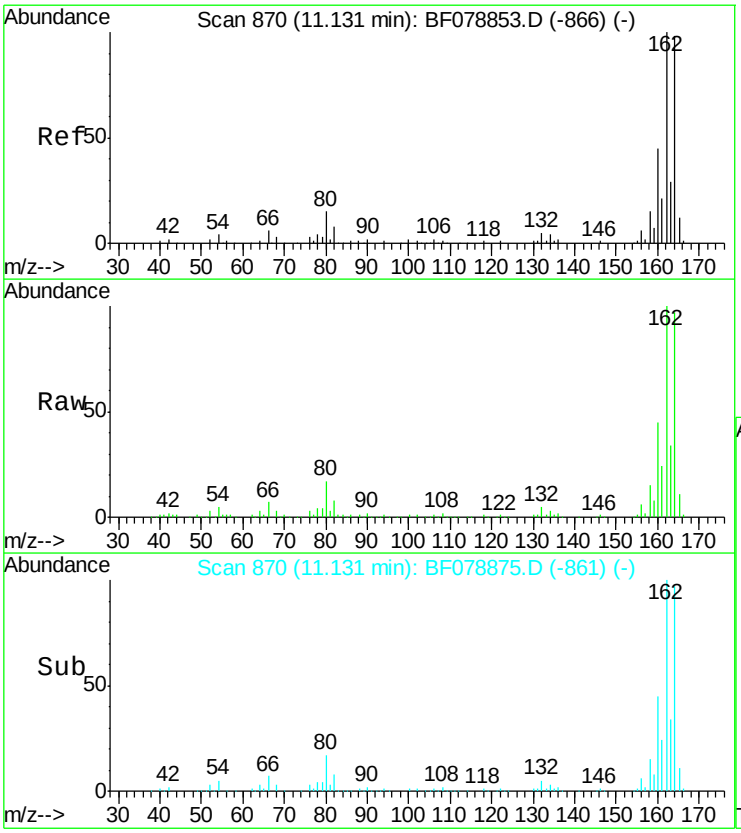
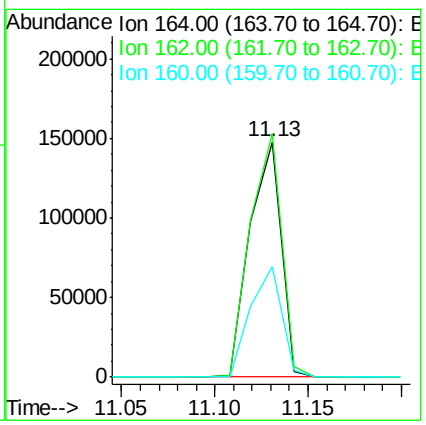
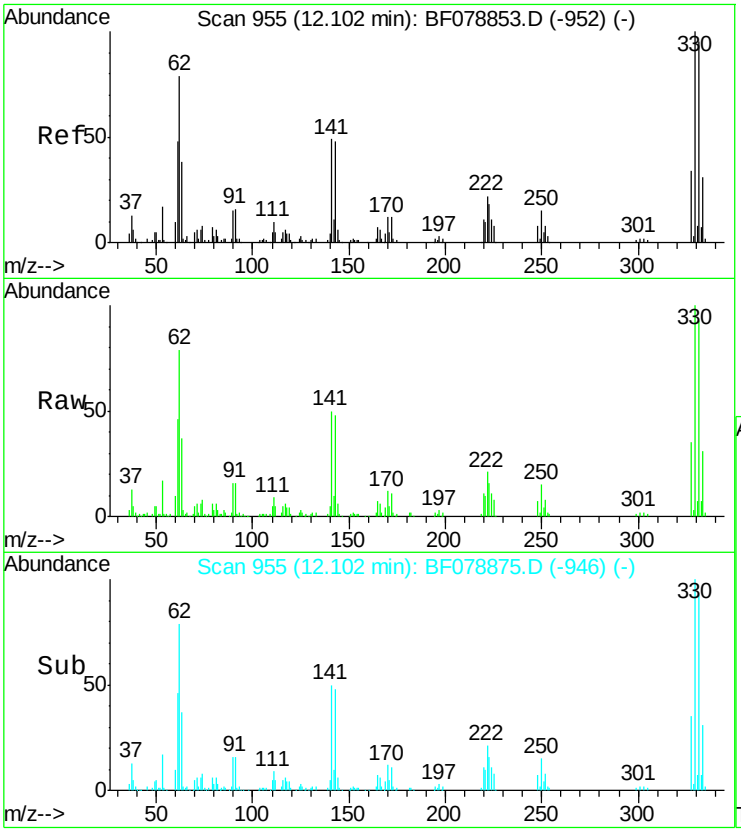


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 870
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:164 Resp: 171634

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.7	124.1
160	47.0	35.8	53.8

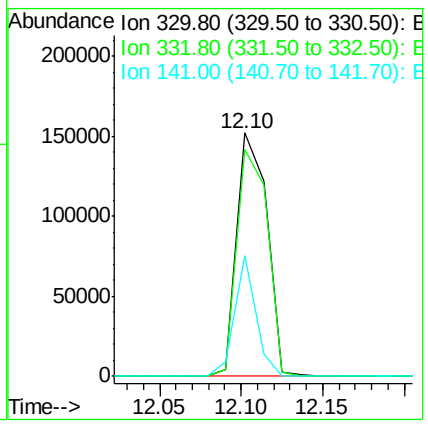




#41
2,4,6-Tribromophenol
Concen: 104.32 ng
RT: 12.10 min Scan# 955
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:330 Resp: 193696

Ion	Ratio	Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	35.2	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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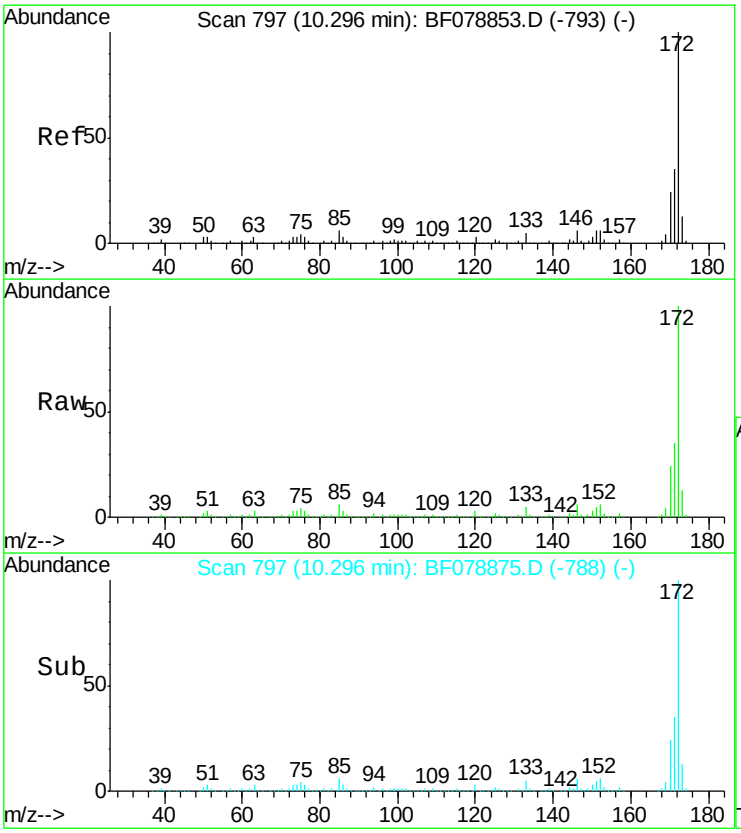
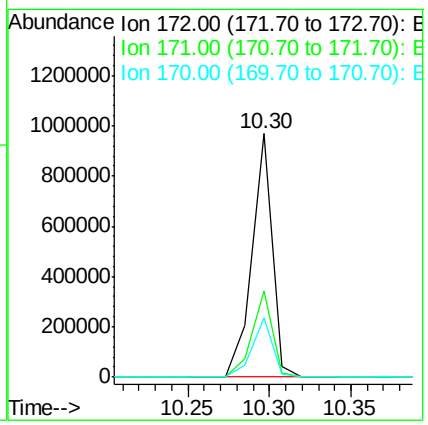
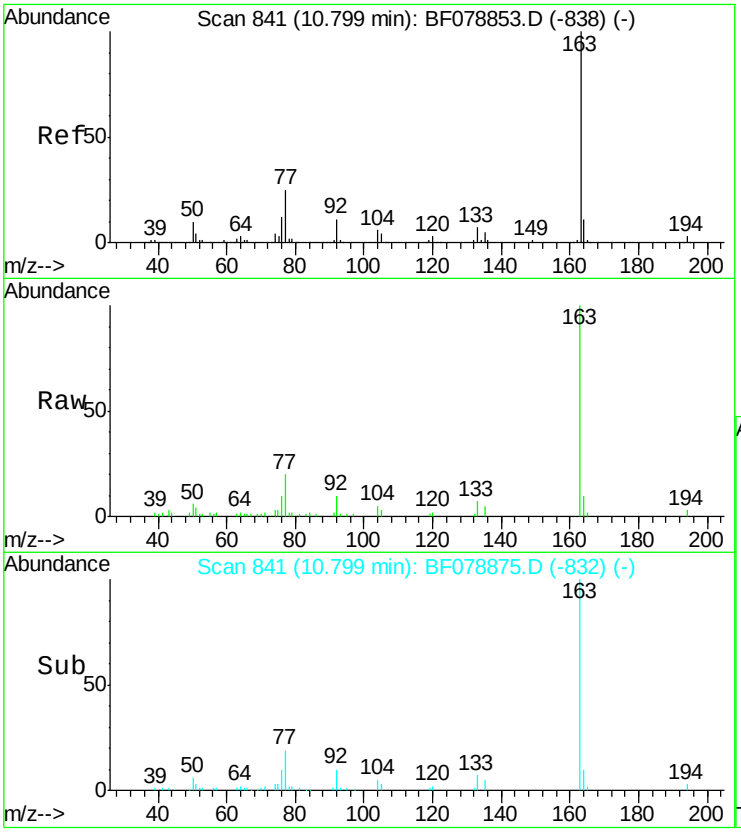


#44
2-Fluorobiphenyl
Concen: 67.88 ng
RT: 10.30 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:172 Resp: 836216

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	24.2	19.4	29.0

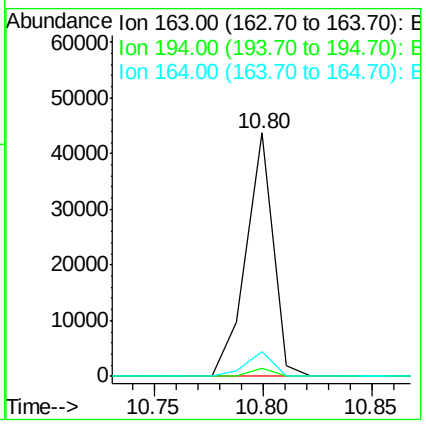




#49
Dimethylphthalate
Concen: 3.02 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:163 Resp: 37981

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.3	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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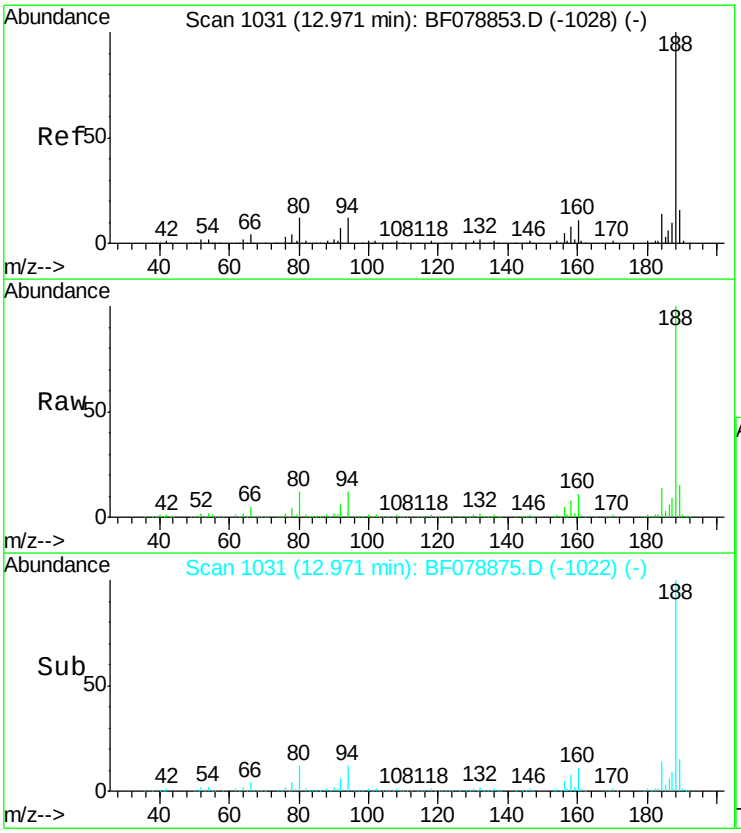
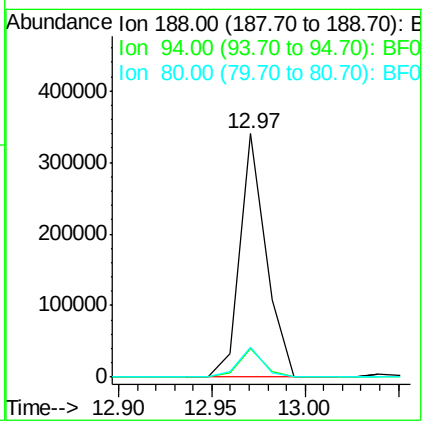
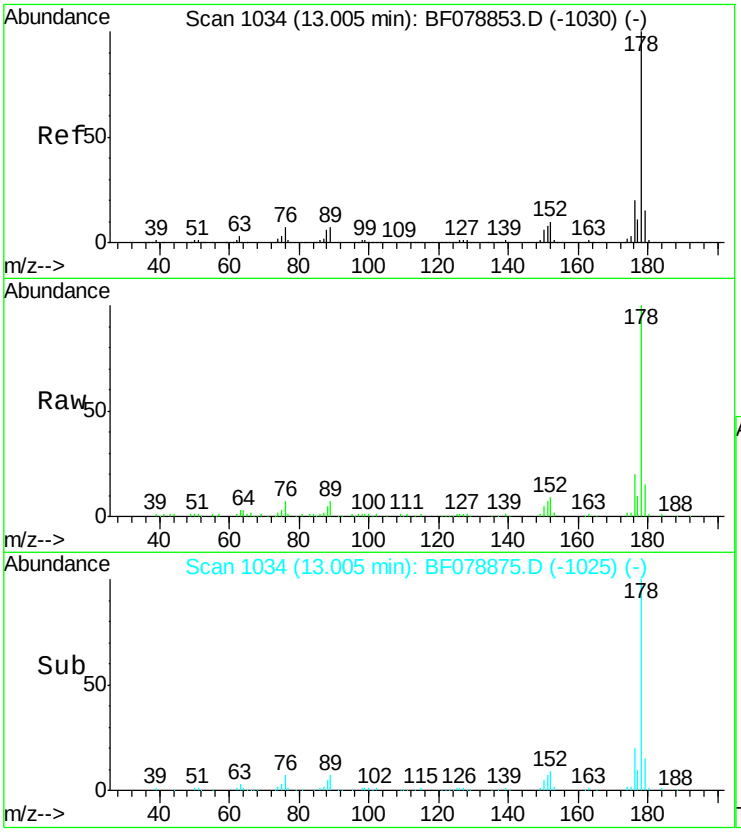


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:188 Resp: 331178

Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.2	12.2
80	12.4	8.9	13.3

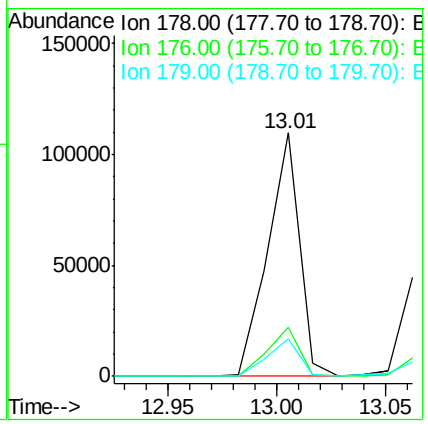




#70
Phenanthrene
Concen: 6.06 ng
RT: 13.01 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:178 Resp: 112302

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.3	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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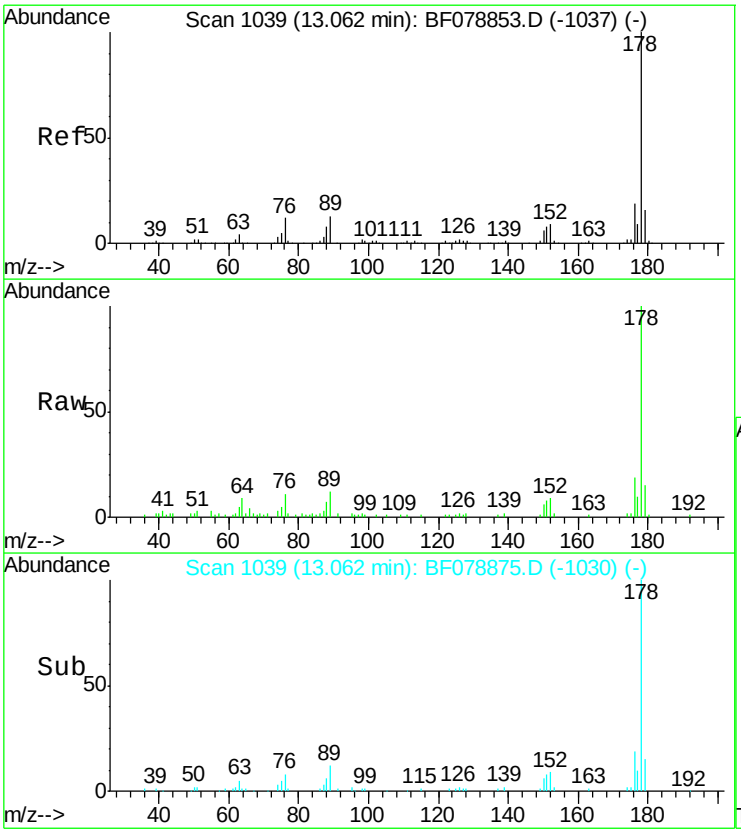
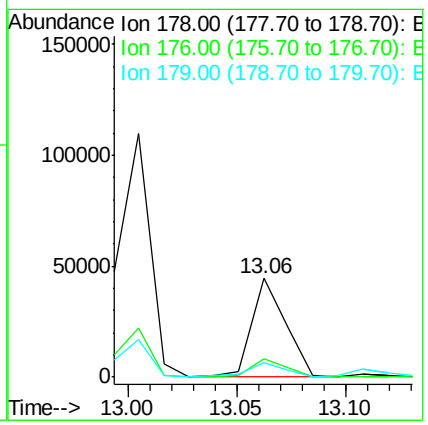
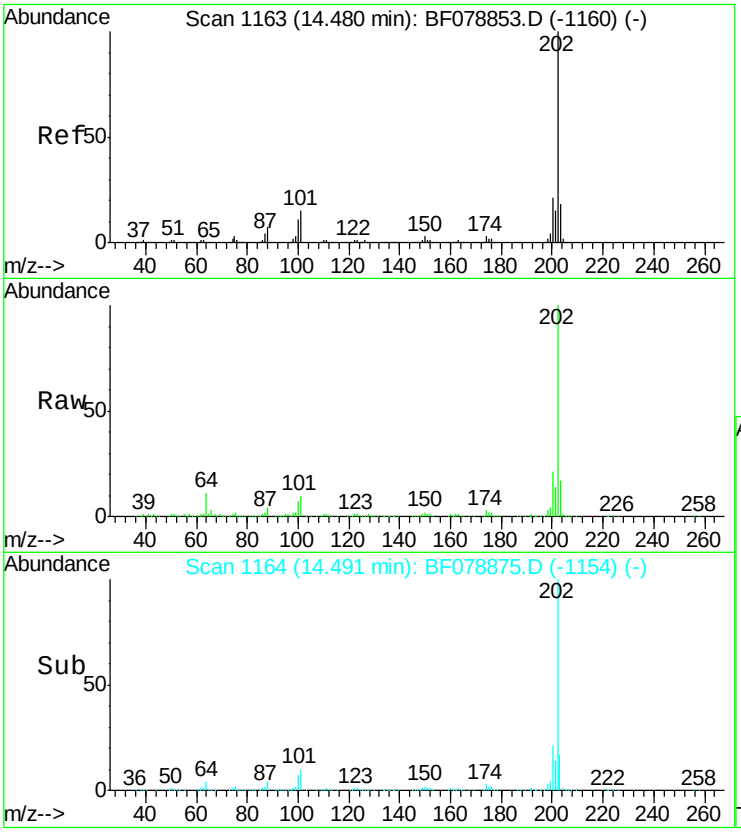


#71
Anthracene
Concen: 2.67 ng
RT: 13.06 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:178 Resp: 48445

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.7	19.1

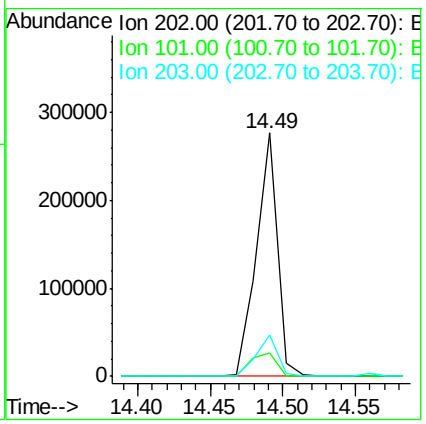




#74
Fluoranthene
Concen: 14.38 ng
RT: 14.49 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:202 Resp: 277643

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.6
203	17.0	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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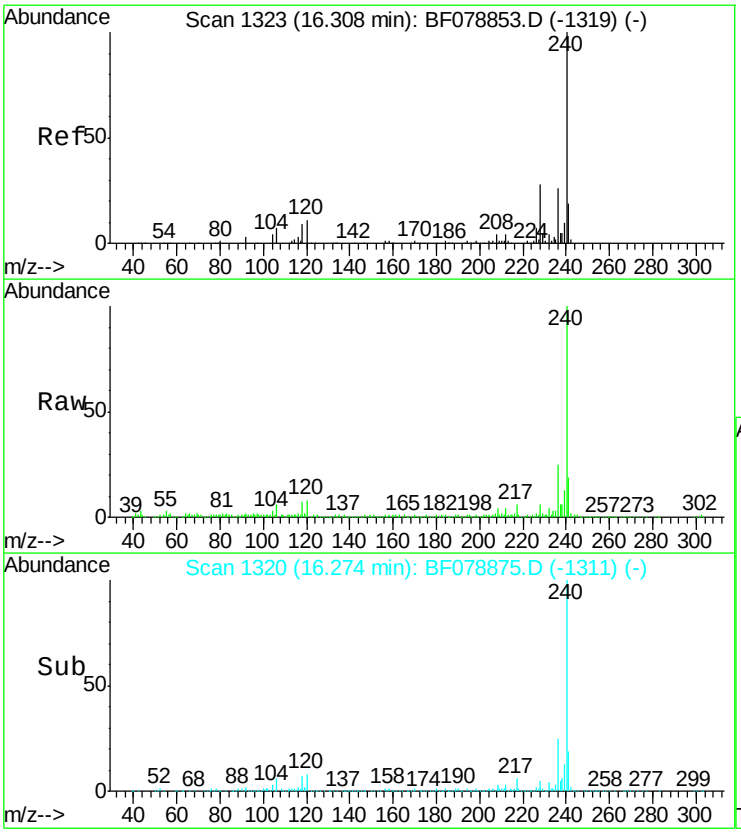
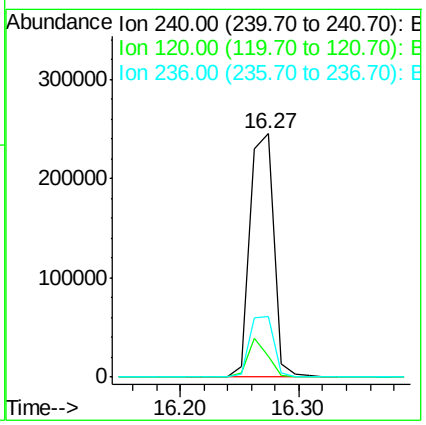
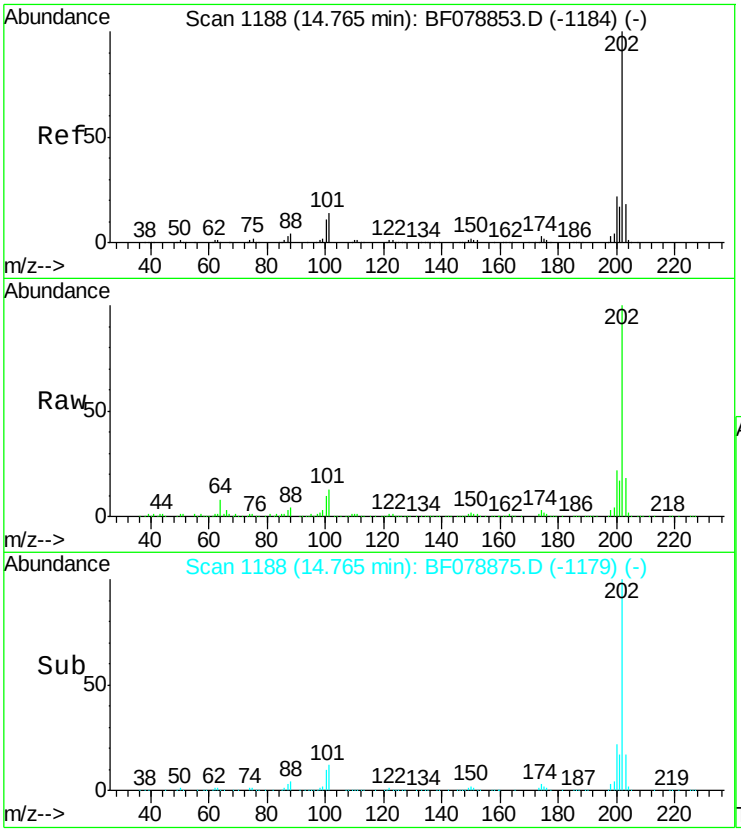


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:240 Resp: 345619

Ion	Ratio	Lower	Upper
240	100		
120	8.5	9.7	14.5#
236	25.1	20.2	30.4

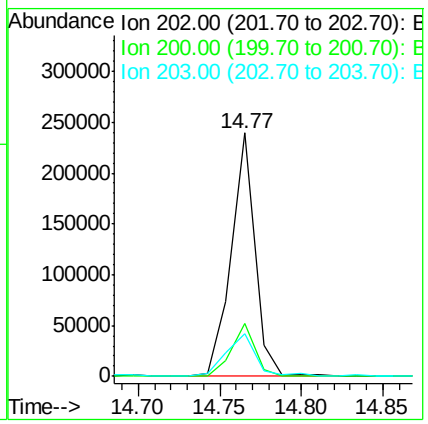




#77
Pyrene
Concen: 11.98 ng
RT: 14.77 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:202 Resp: 238571

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3
203	17.8	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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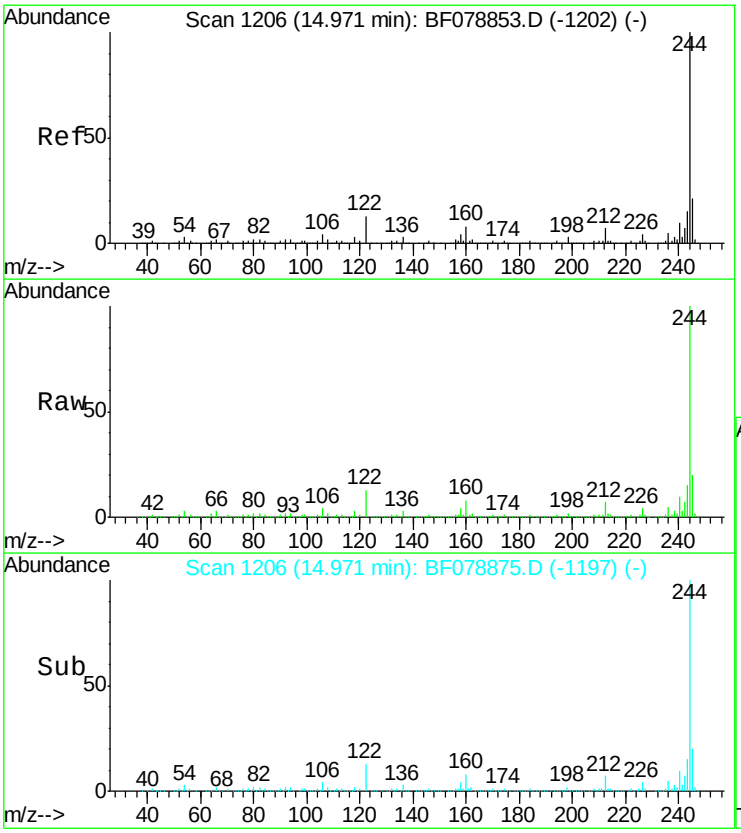
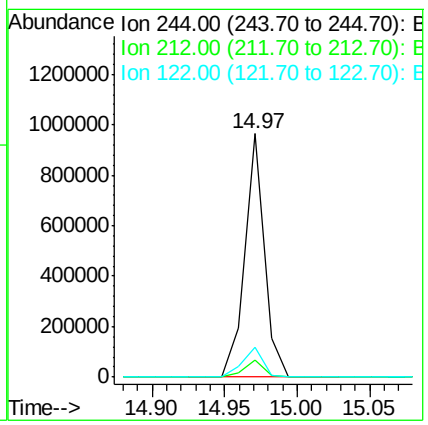
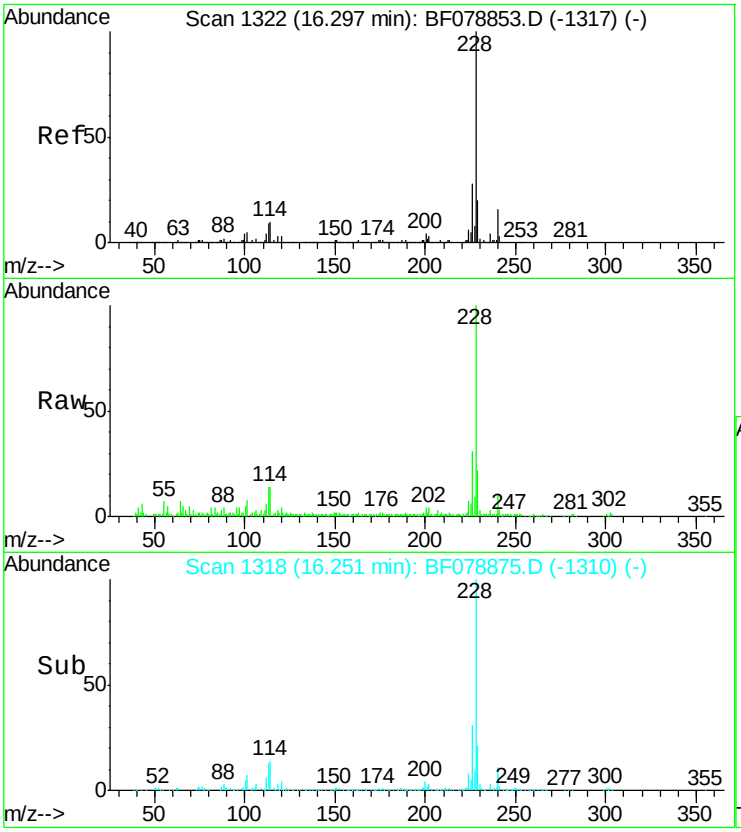


#78
Terphenyl-d14
Concen: 62.81 ng
RT: 14.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:244 Resp: 906759

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	12.5	10.3	15.5

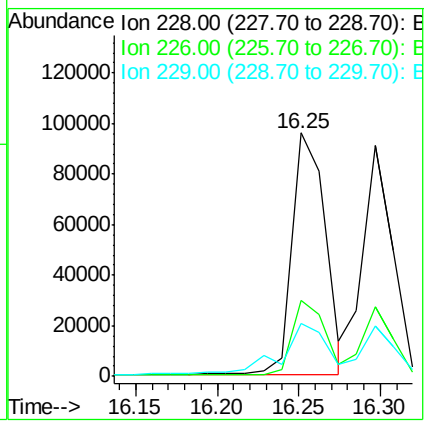




#80
Benzo(a)anthracene
Concen: 7.15 ng
RT: 16.25 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:228 Resp: 135271

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

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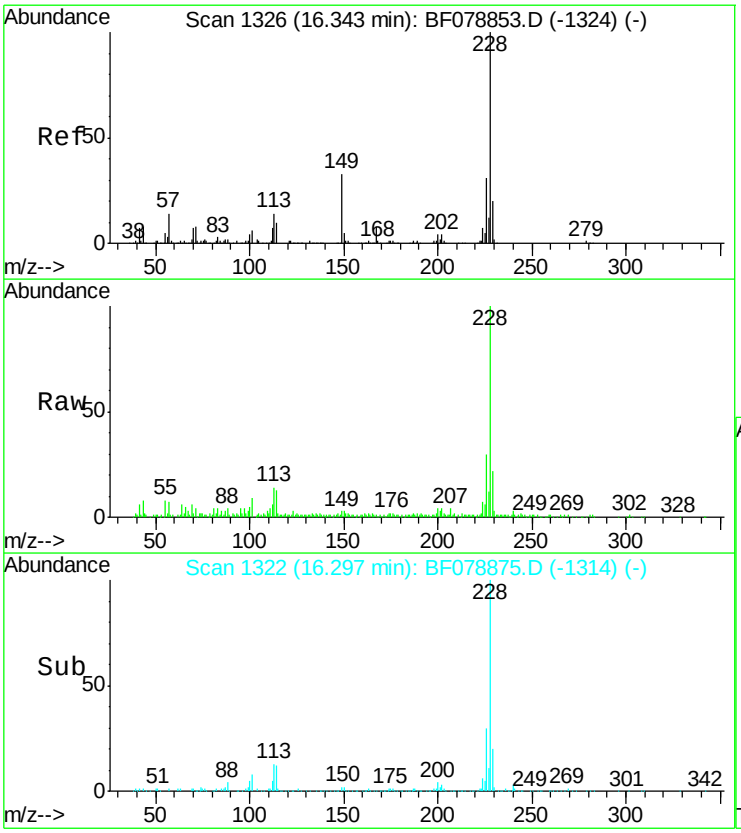
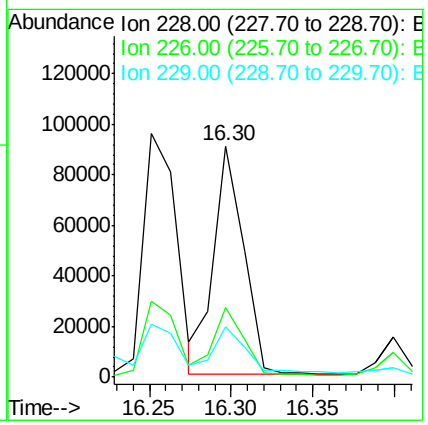
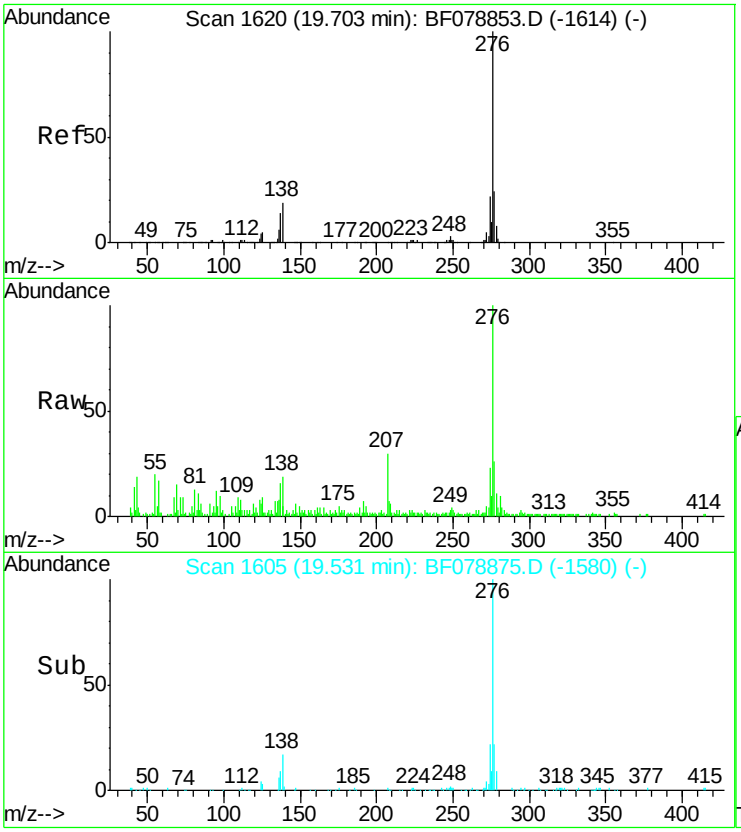


#82
Chrysene
Concen: 6.34 ng
RT: 16.30 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:228 Resp: 115394

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	21.8	16.0	24.0

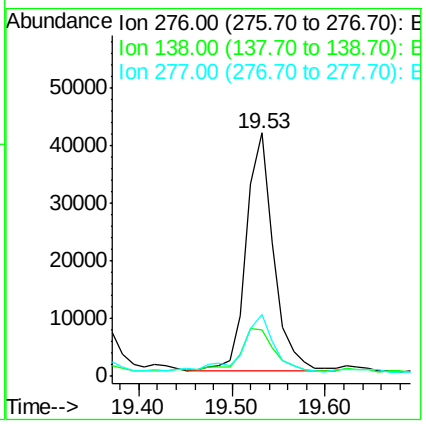




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.60 ng
RT: 19.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:276 Resp: 83492

Ion	Ratio	Lower	Upper
276	100		
138	23.2	0.0	0.0#
277	29.8	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

Manual Integrations APPROVED
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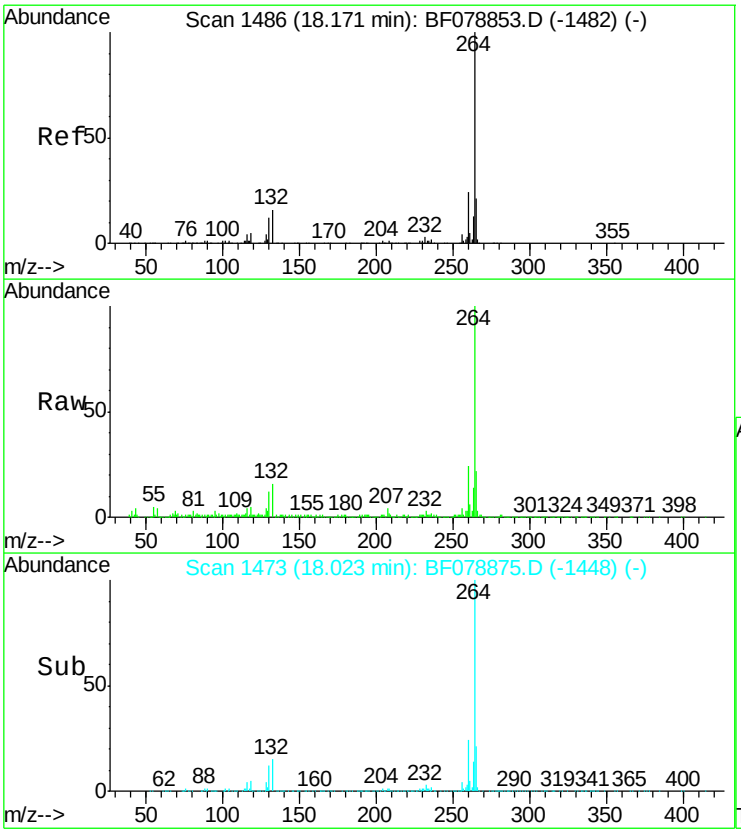
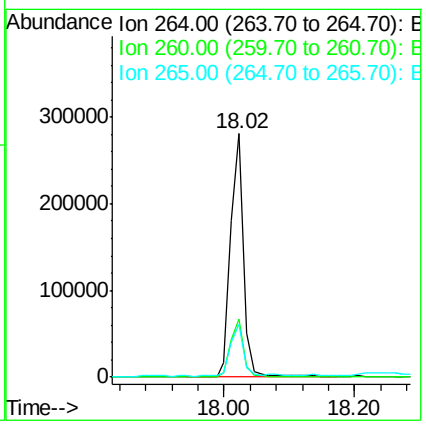
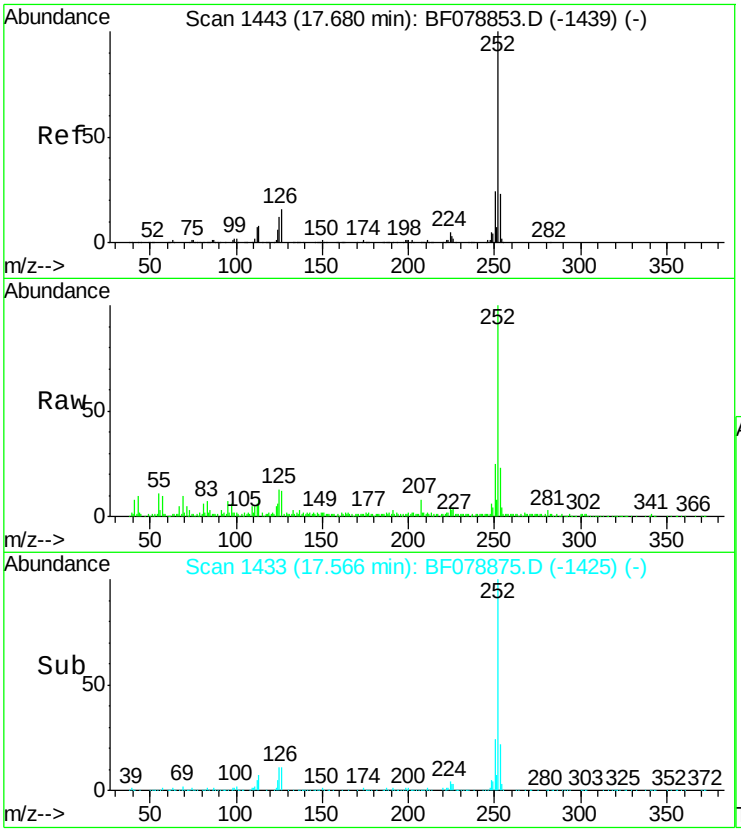


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:264 Resp: 374432

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.7	18.3	27.5

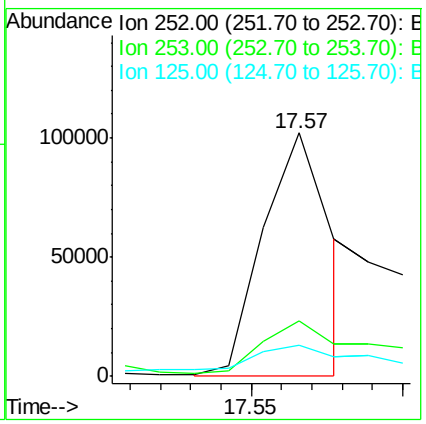




#87
Benzo(b)fluoranthene
Concen: 7.59 ng m
RT: 17.57 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:252 Resp: 155561

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	12.9	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
B2(0-2)

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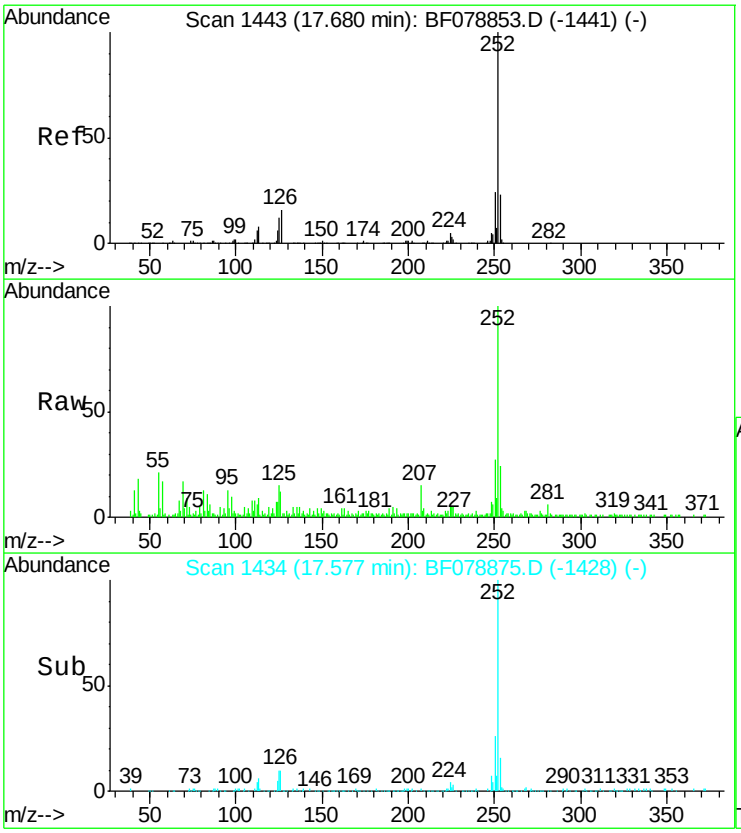
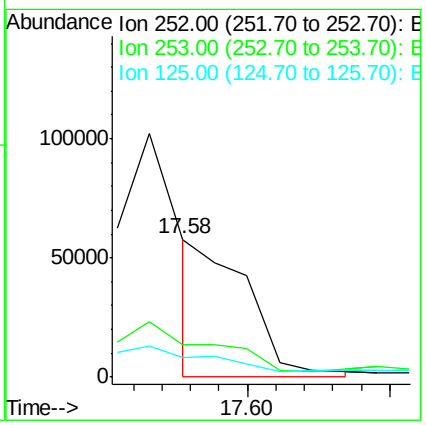
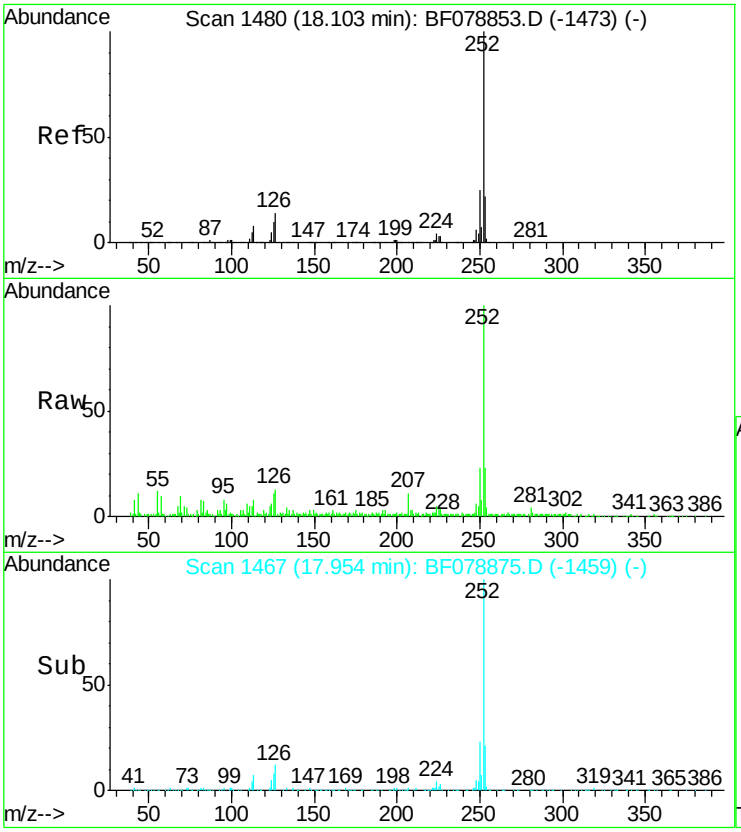


#88
Benzo(k)fluoranthene
Concen: 3.52 ng m
RT: 17.58 min Scan# 1434
Delta R.T. -0.03 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:252 Resp: 69849

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	14.5	10.0	15.0





#89
Benzo(a)pyrene
Concen: 6.41 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:252 Resp: 120900

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.0	7.0	10.6#

Instrument :
BNA_F
ClientSampleId :
B2(0-2)

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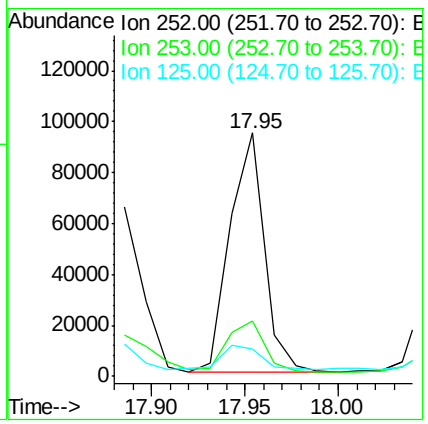

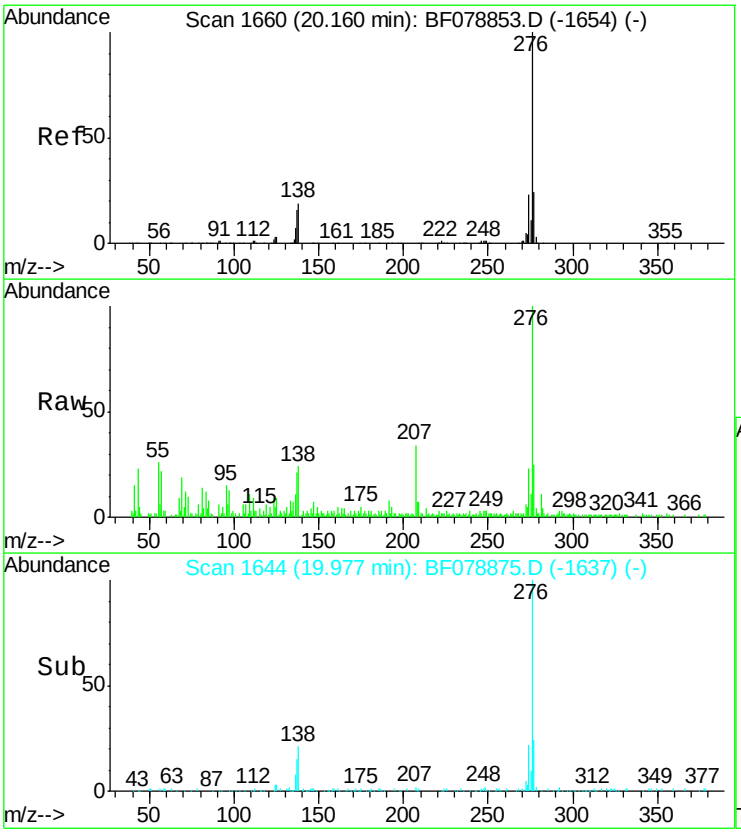

#91
Benzo(g,h,i)perylene
Concen: 3.89 ng
RT: 19.98 min Scan# 1644
Delta R.T. -0.02 min
Lab File: BF078875.D
Acq: 1 May 2015 4:27

Tgt Ion:276 Resp: 78172

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	23.5	17.4	26.0