Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087080.D
Acq On : 16 May 2016 14:39
Operator : UM/SJ
Sample : H2968-07 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPB

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5/17/2016 7:15:04 PM

Quant Time: May 17 12:44:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:12:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	85759	20.00	ng		0.00
21) Naphthalene-d8	7.90	136	345281	20.00	ng		0.00
38) Acenaphthene-d10	9.64	164	136571	20.00	ng		0.00
63) Phenanthrene-d10	11.12	188	231054	20.00	ng		0.00
75) Chrysene-d12	13.75	240	184718	20.00	ng		-0.01
86) Perylene-d12	15.12	264	140806	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.19	112	443719	87.62	ng		-0.01
7) Phenol-d6	6.27	99	595094	87.93	ng		-0.01
23) Nitrobenzene-d5	7.18	82	362643	52.74	ng		-0.01
41) 2,4,6-Tribromophenol	10.43	330	102288	70.75	ng		-0.01
44) 2-Fluorobiphenyl	8.97	172	552664	68.01	ng		-0.01
78) Terphenyl-d14	12.71	244	407583	46.82	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.51	152	37550	3.00	ng		98
49) Dimethylphthalate	9.37	163	45014	4.32	ng		99
70) Phenanthrene	11.14	178	123212	9.99	ng		100
71) Anthracene	11.20	178	65927	5.23	ng		98
74) Fluoranthene	12.33	202	464458	36.62	ng		93
77) Pyrene	12.56	202	377412	26.69	ng		99
80) Benzo(a)anthracene	13.74	228	233630	22.53	ng		93
82) Chrysene	13.77	228	153423m	14.55	ng		
85) Indeno(1,2,3-cd)pyrene	16.38	276	63117m	7.19	ng		
87) Benzo(b)fluoranthene	14.75	252	207604m	22.69	ng		
88) Benzo(k)fluoranthene	14.77	252	46113m	6.15	ng		
89) Benzo(a)pyrene	15.06	252	114267	14.48	ng	#	91
90) Dibenzo(a,h)anthracene	16.38	278	20052	3.01	ng	#	51
91) Benzo(g,h,i)perylene	16.75	276	53569	7.93	ng	#	91

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

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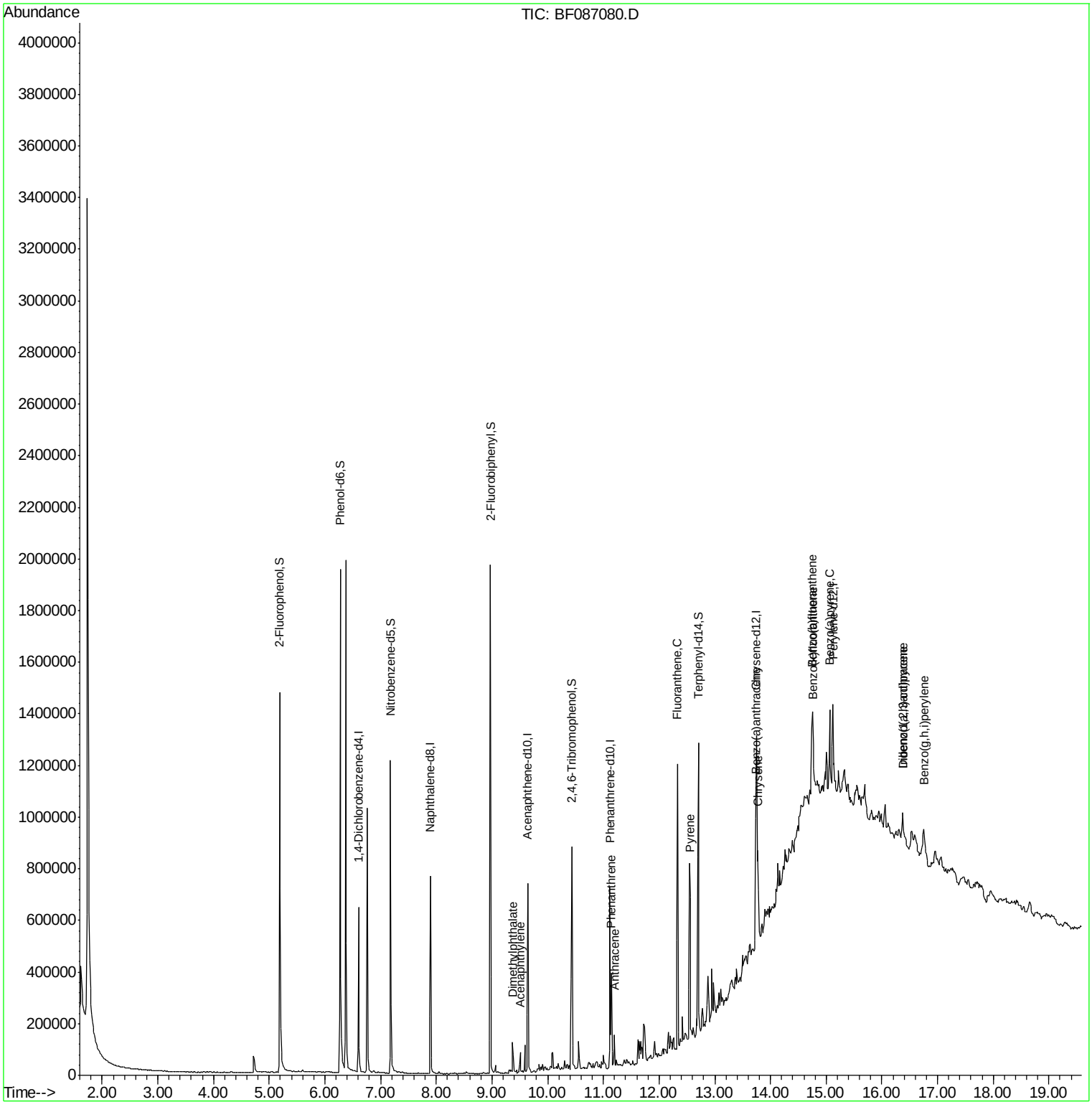
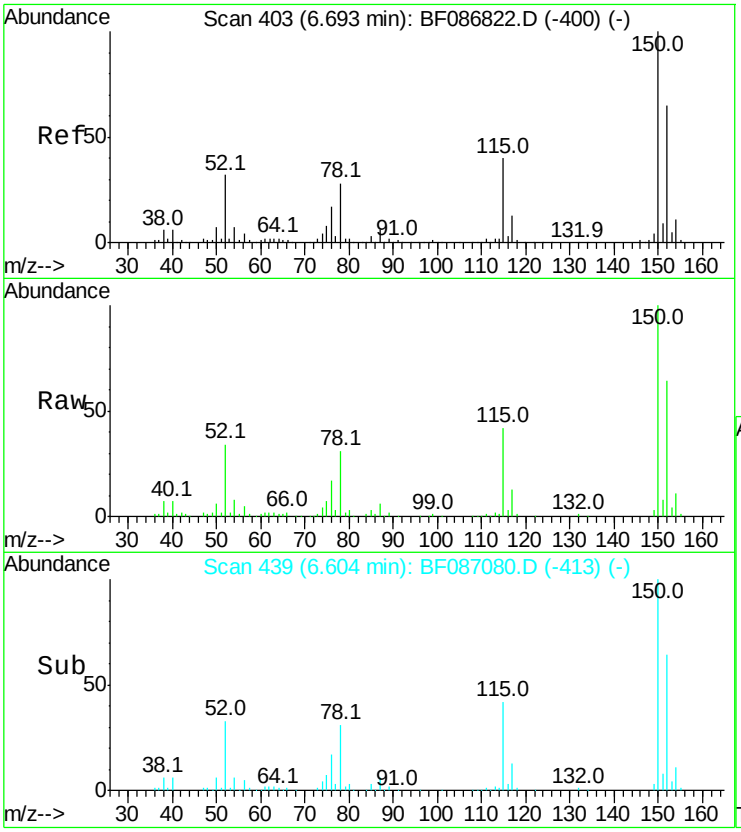
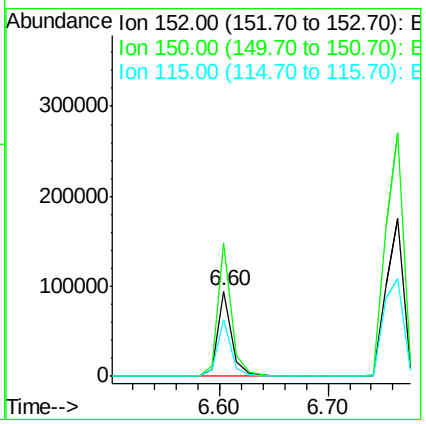




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:152 Resp: 85759

Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.8	188.6
115	66.2	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
DUPB

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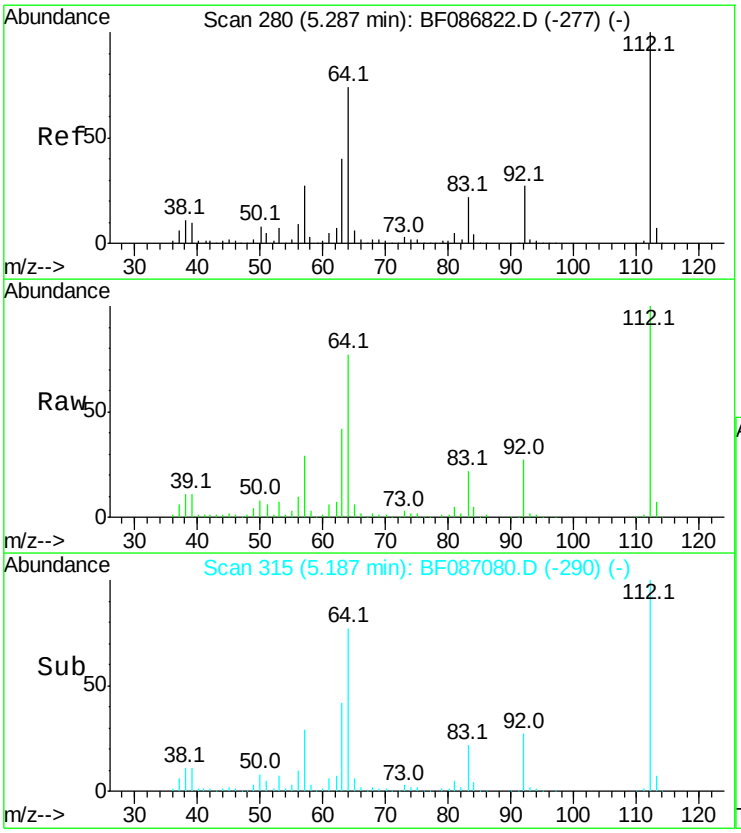
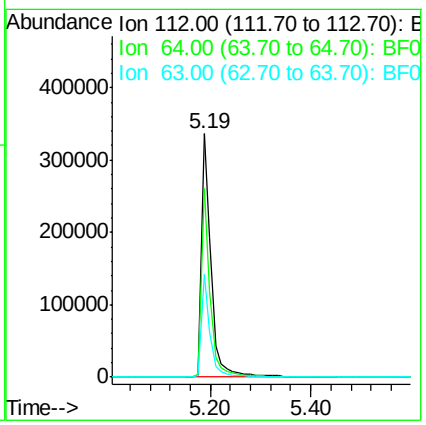
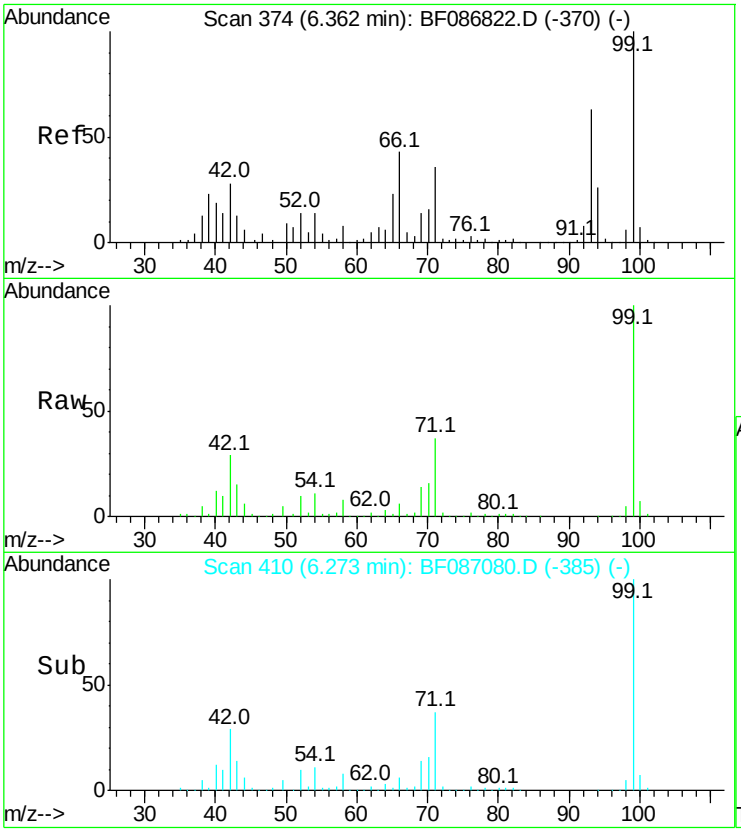


#5
2-Fluorophenol
Concen: 87.62 ng
RT: 5.19 min Scan# 315
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:112 Resp: 443719

Ion	Ratio	Lower	Upper
112	100		
64	77.3	52.1	78.1
63	42.4	25.7	38.5#

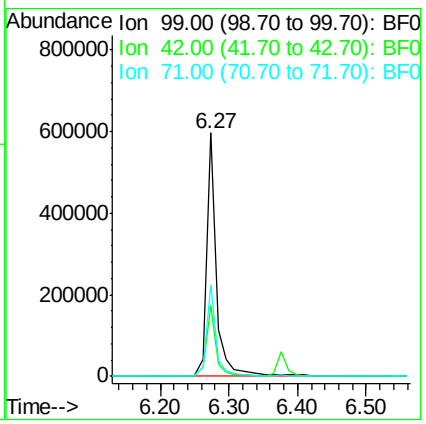




#7
Phenol-d6
Concen: 87.93 ng
RT: 6.27 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion: 99 Resp: 595094

Ion	Ratio	Lower	Upper
99	100		
42	29.0	13.6	20.4#
71	37.5	24.6	36.8#



Instrument :
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ClientSampleId :
DUPB

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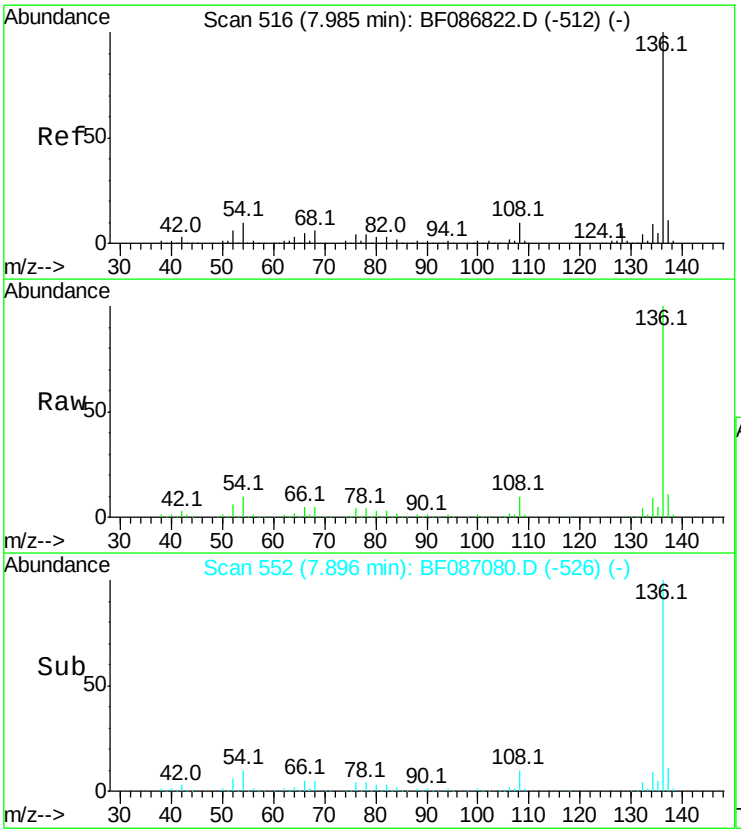
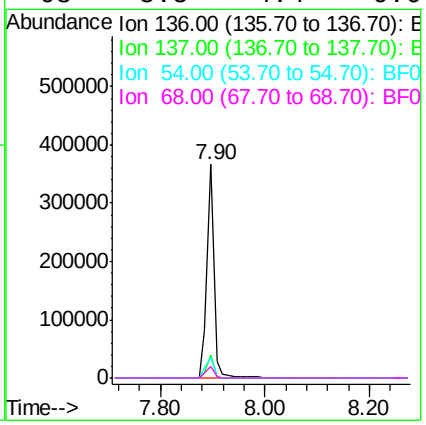
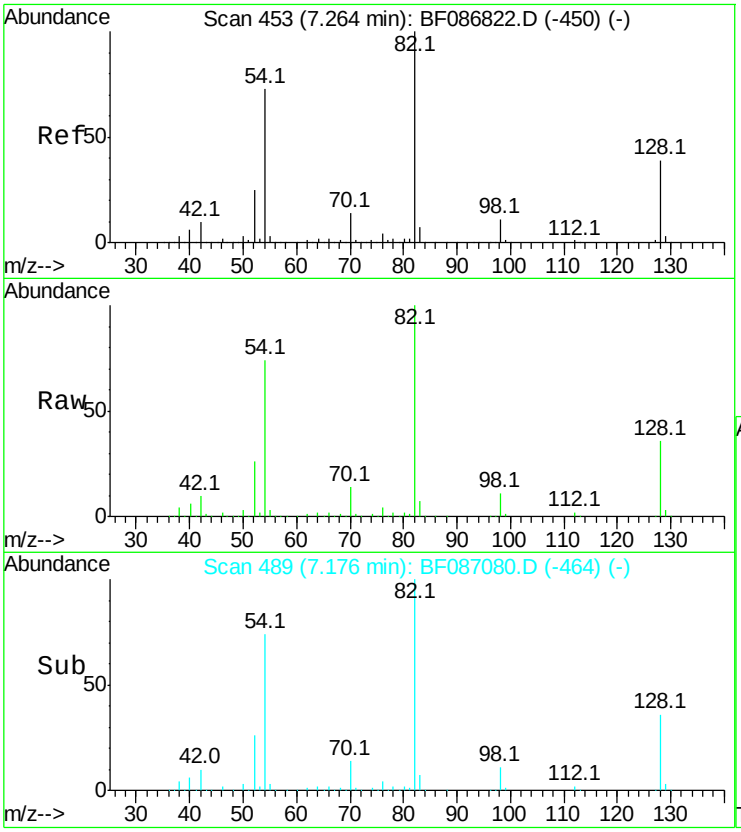


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:136 Resp: 345281

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.7	5.0	7.4#
68	5.5	4.4	6.6

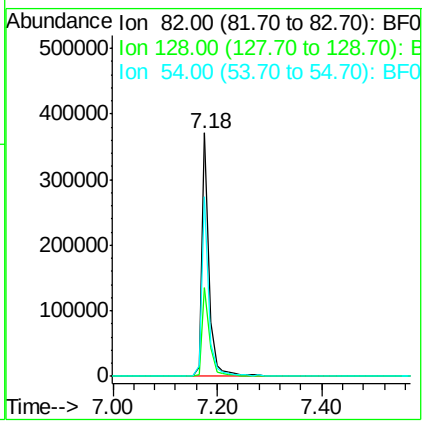




#23
Nitrobenzene-d5
Concen: 52.74 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion: 82 Resp: 362643

Ion	Ratio	Lower	Upper
82	100		
128	36.4	40.6	61.0#
54	73.8	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
DUPB

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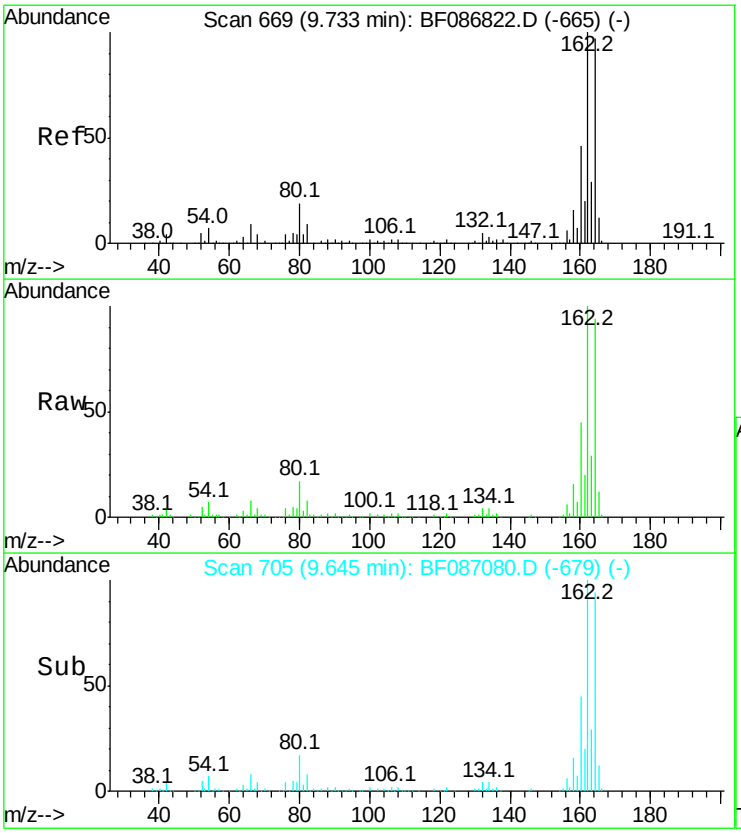
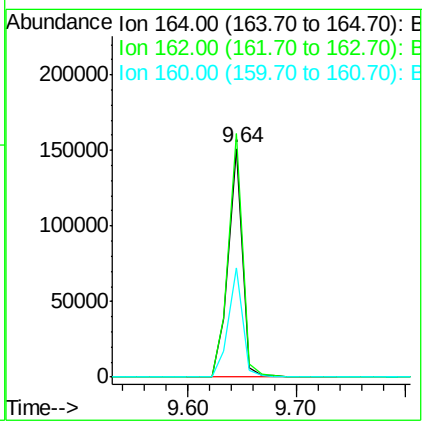
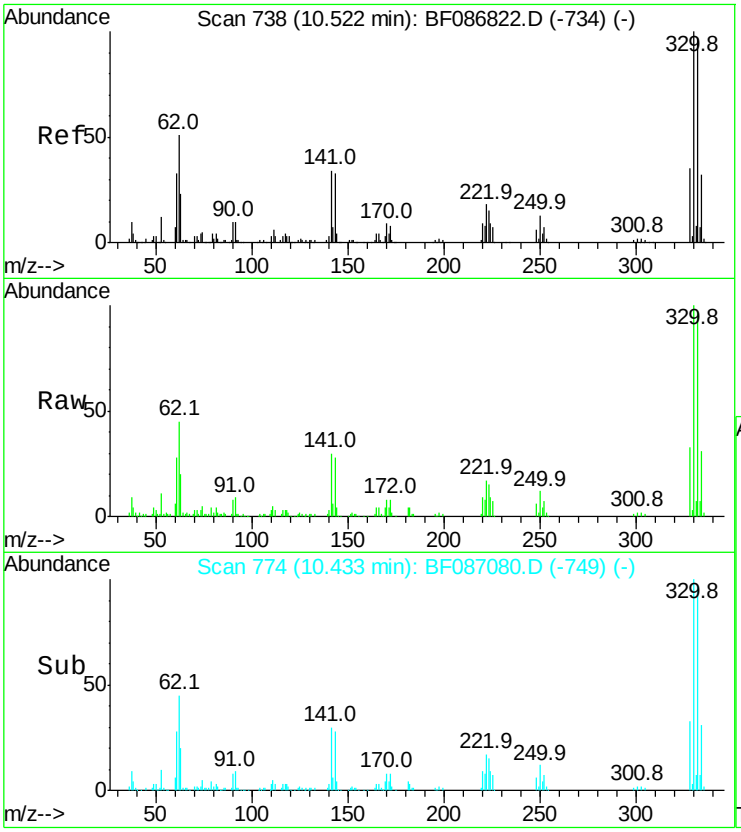


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:164 Resp: 136571

Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.8	124.2
160	47.8	36.9	55.3

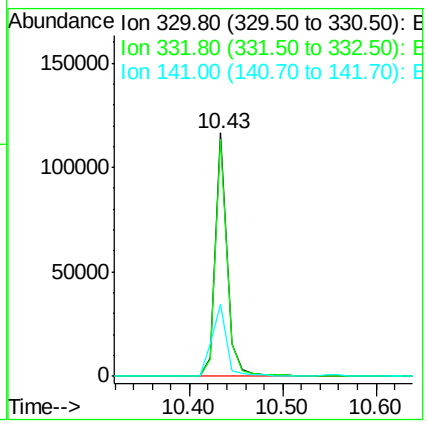




#41
2,4,6-Tribromophenol
Concen: 70.75 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:330 Resp: 102288

Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	38.4	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
DUPB

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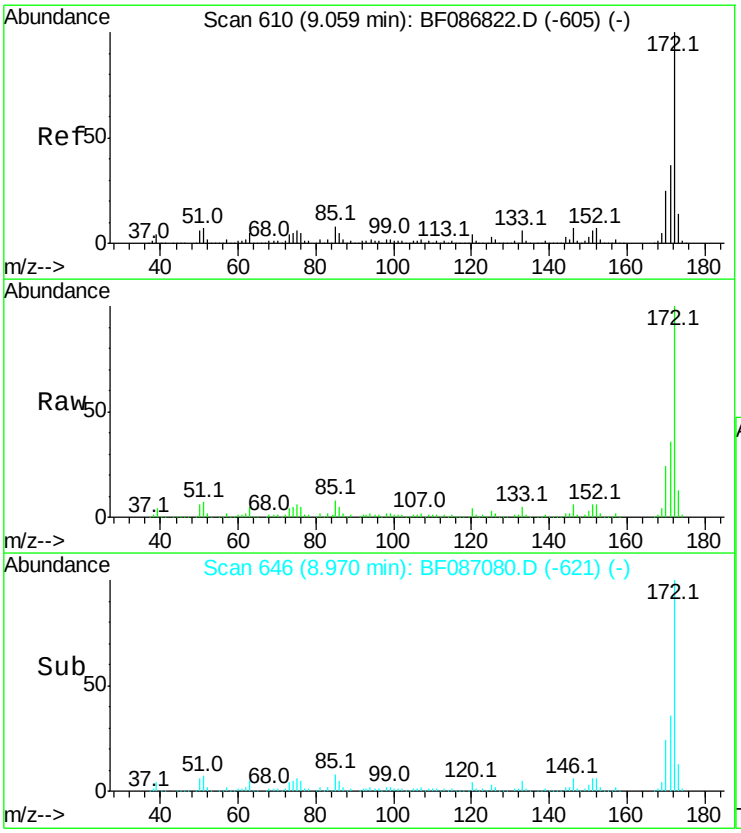
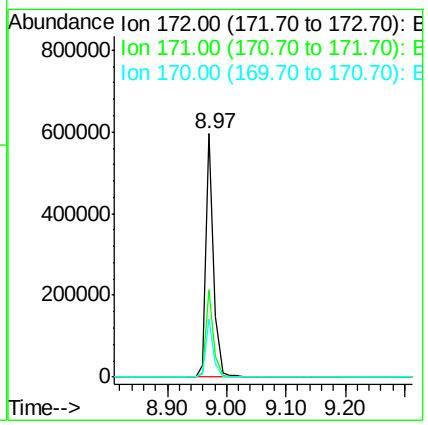
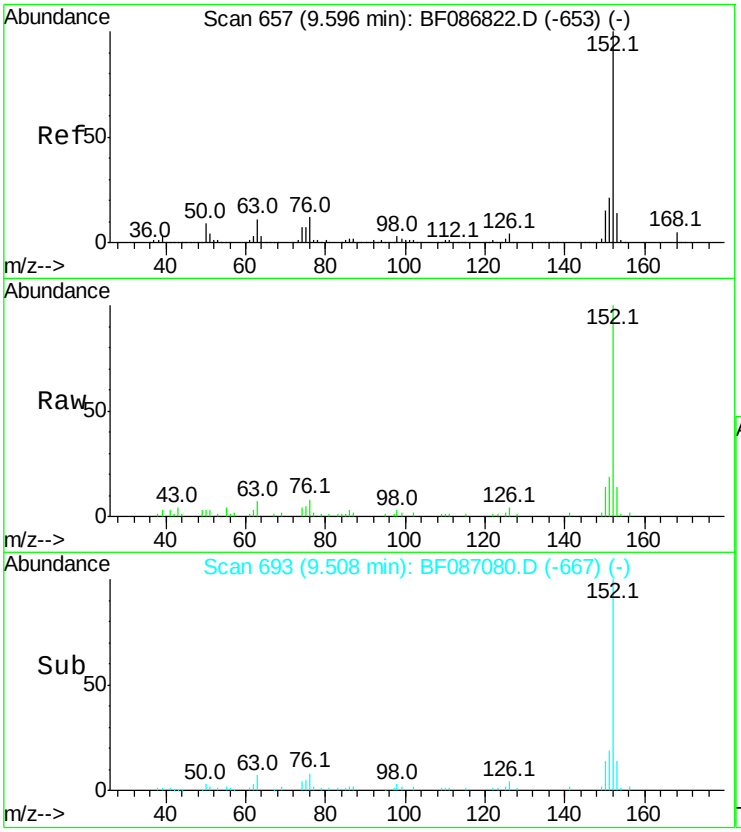


#44
2-Fluorobiphenyl
Concen: 68.01 ng
RT: 8.97 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:172 Resp: 552664

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	23.9	19.8	29.8

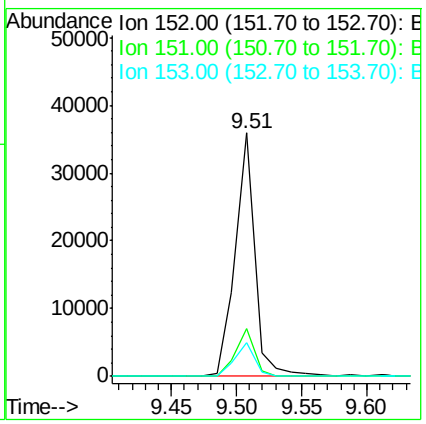




#48
Acenaphthylene
Concen: 3.00 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:152 Resp: 37550

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.8	25.2
153	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
DUPB

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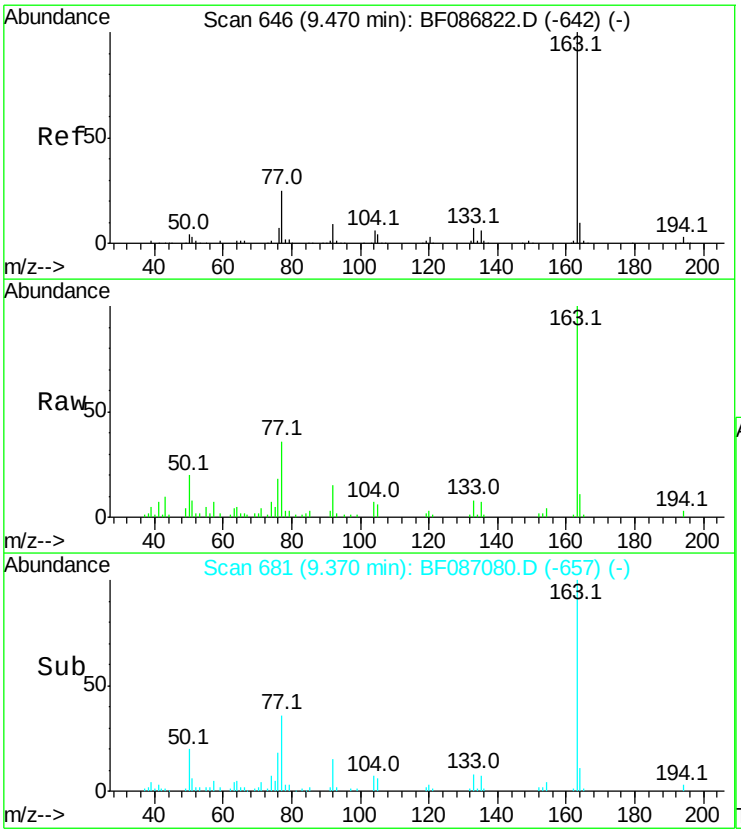
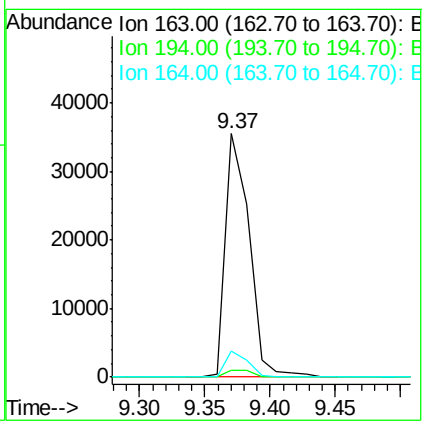
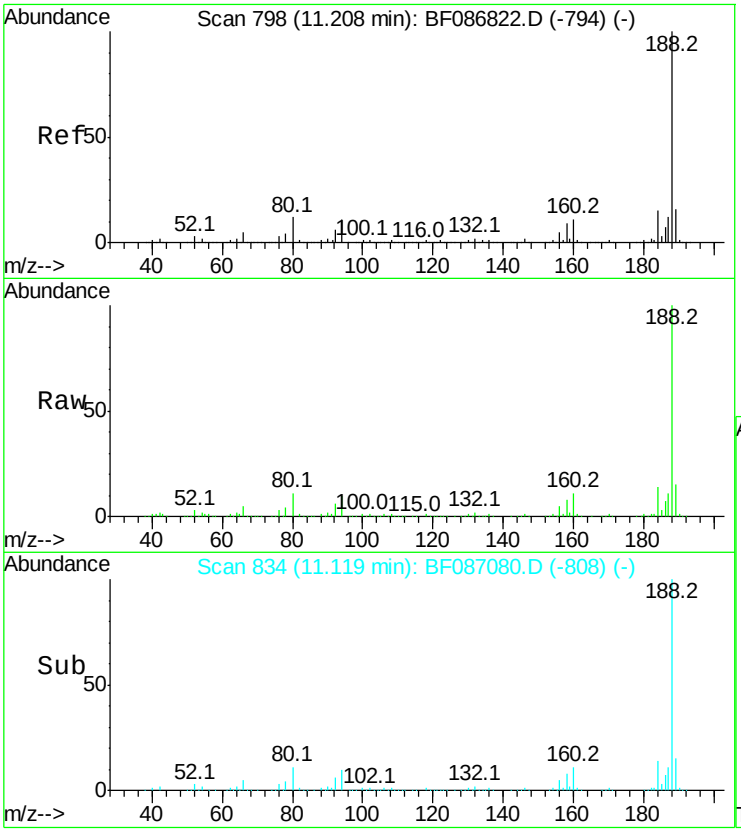


#49
Dimethylphthalate
Concen: 4.32 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:163 Resp: 45014

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.5	8.2	12.4

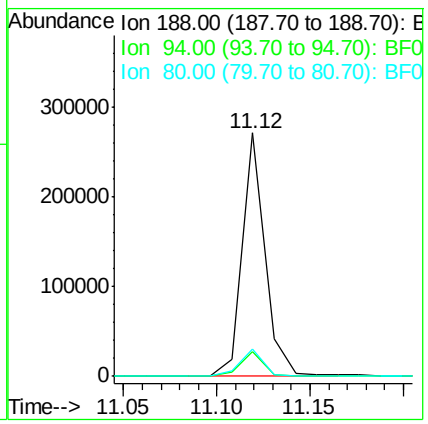




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:188 Resp: 231054

Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.8	10.2#
80	11.3	7.1	10.7#



Instrument :
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ClientSampleId :
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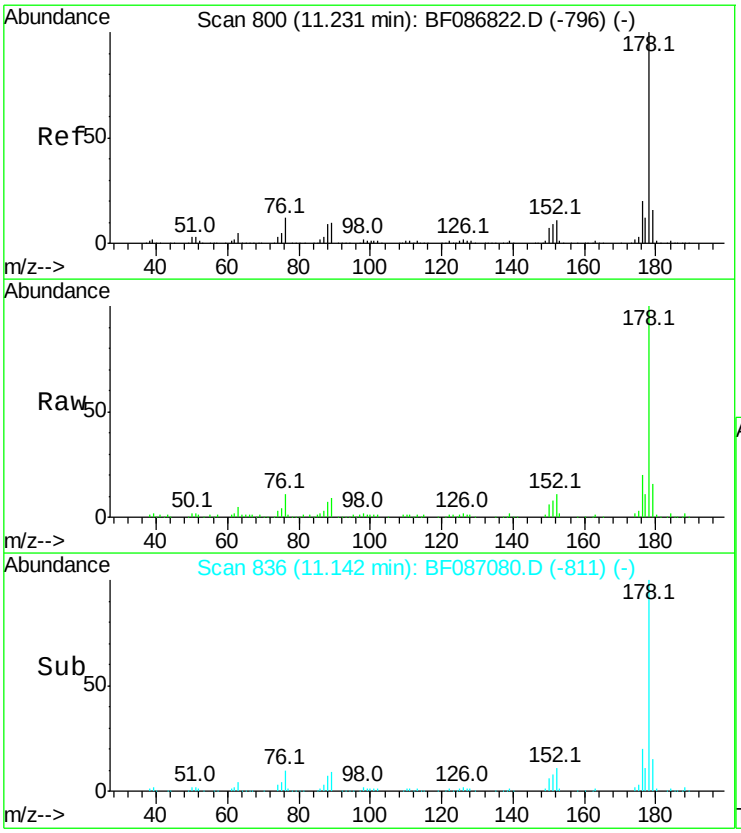
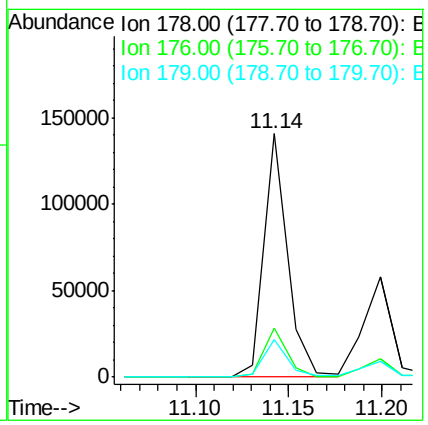
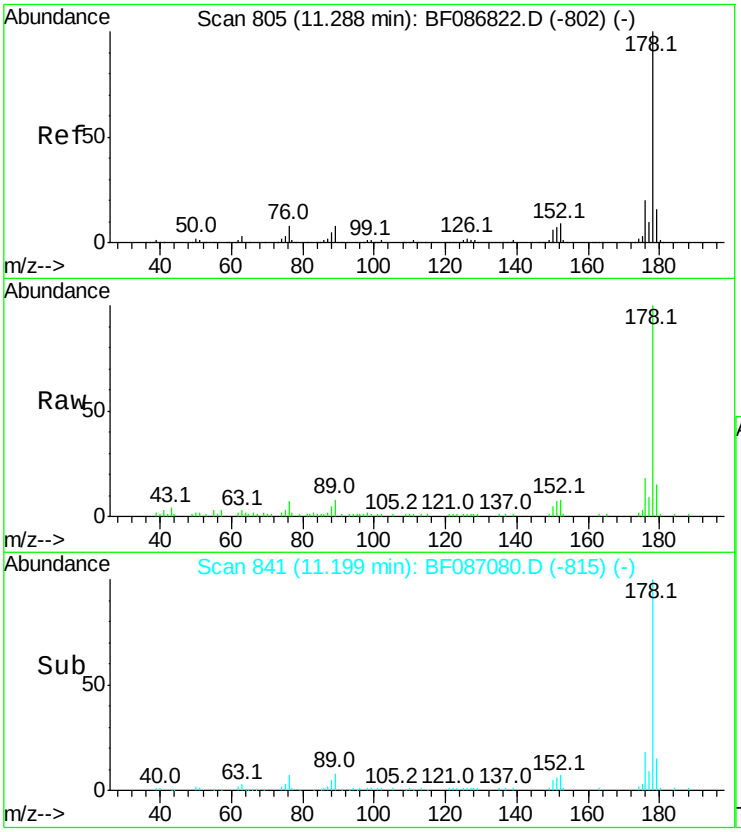


#70
Phenanthrene
Concen: 9.99 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:178 Resp: 123212

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.6	12.6	18.8

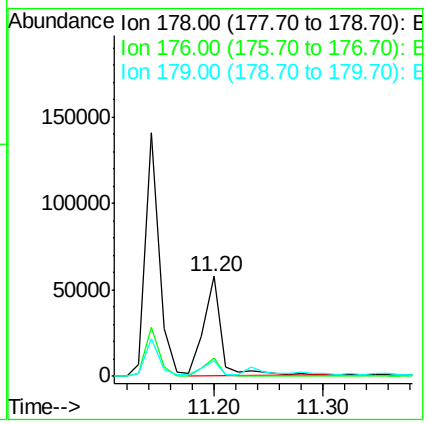




#71
Anthracene
Concen: 5.23 ng
RT: 11.20 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:178 Resp: 65927

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.2	12.7	19.1



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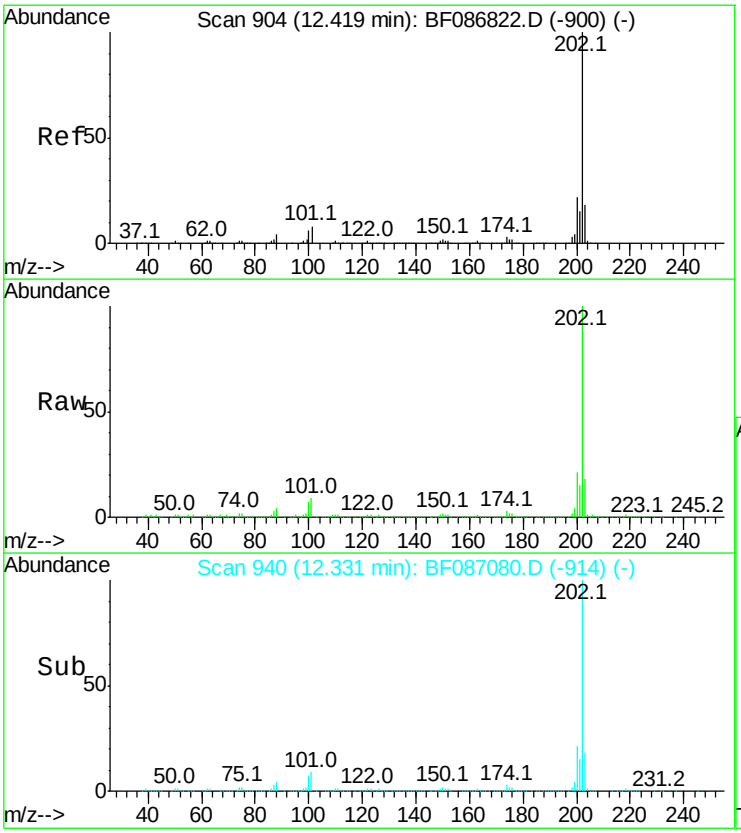
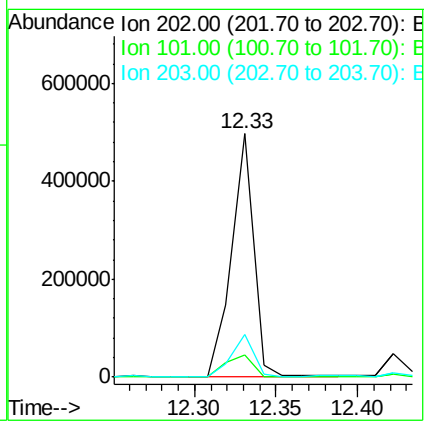
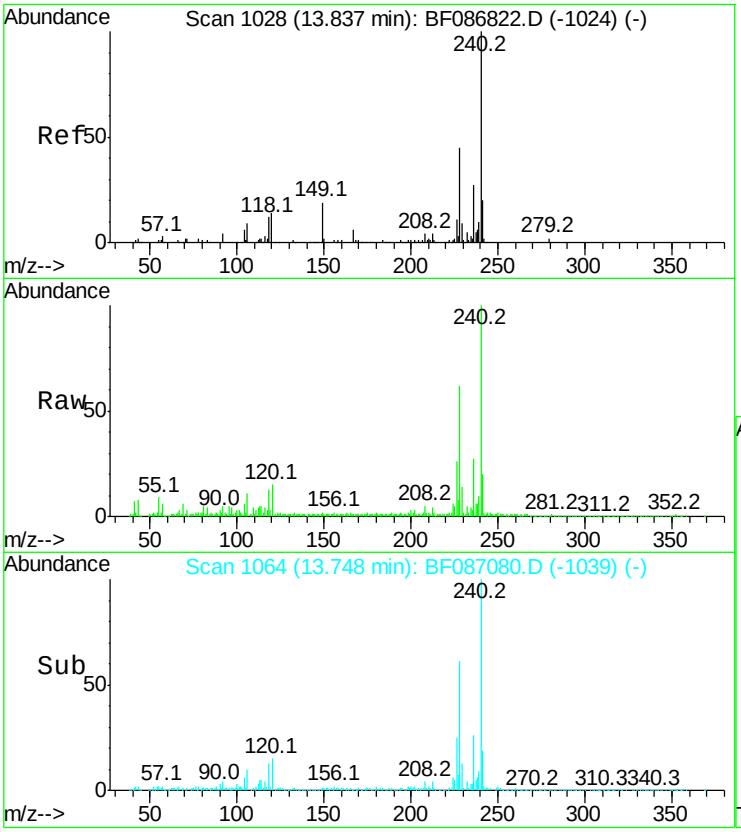


#74
Fluoranthene
Concen: 36.62 ng
RT: 12.33 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:202 Resp: 464458

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	35.4
203	17.7	0.0	38.1

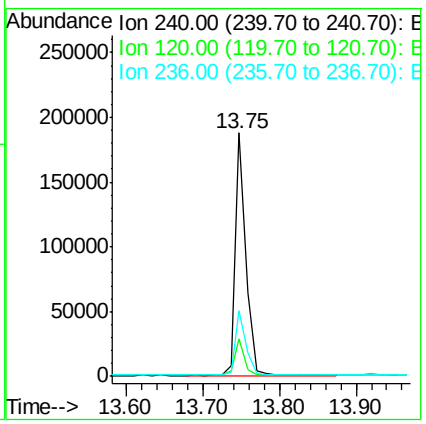




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:240 Resp: 184718

Ion	Ratio	Lower	Upper
240	100		
120	15.3	11.2	16.8
236	26.8	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
DUPB

Manual Integrations APPROVED
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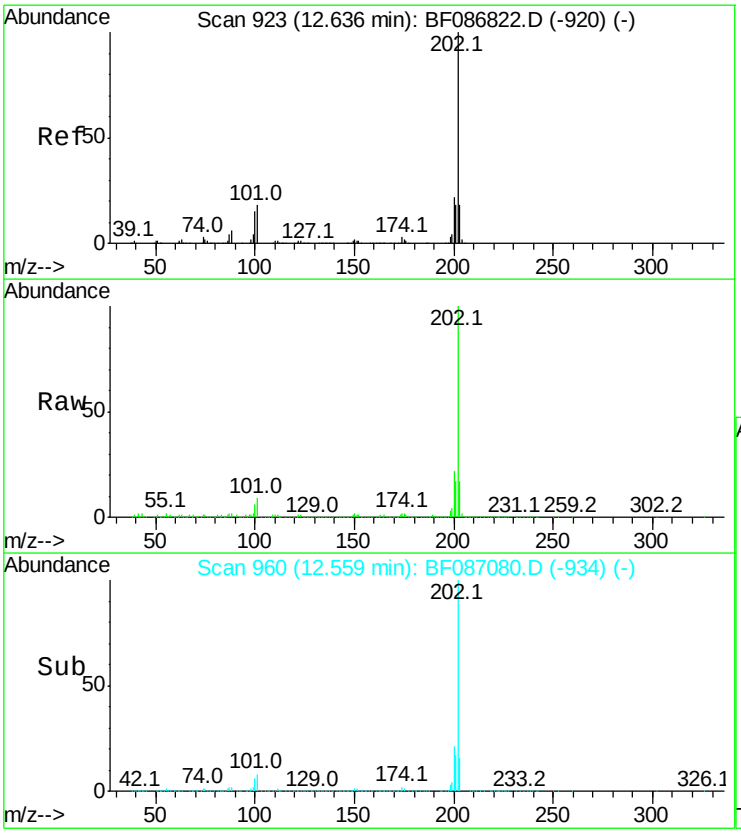
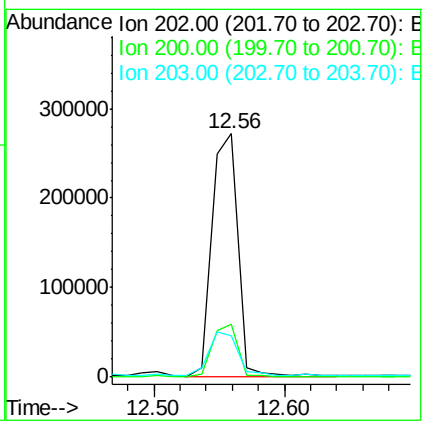
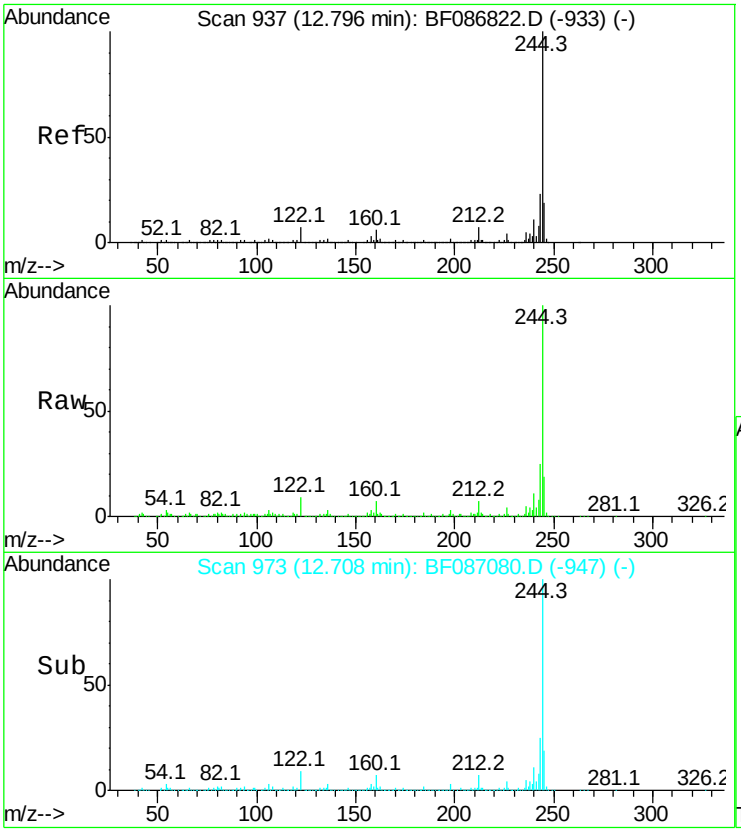


#77
Pyrene
Concen: 26.69 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:202 Resp: 377412

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	17.2	14.2	21.4

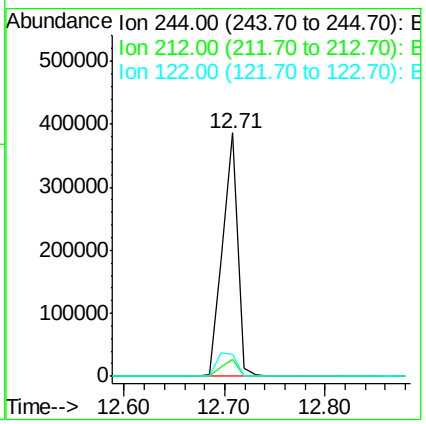




#78
Terphenyl-d14
Concen: 46.82 ng
RT: 12.71 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:244 Resp: 407583

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	9.1	12.0	18.0#



Instrument :
BNA_F
ClientSampleId :
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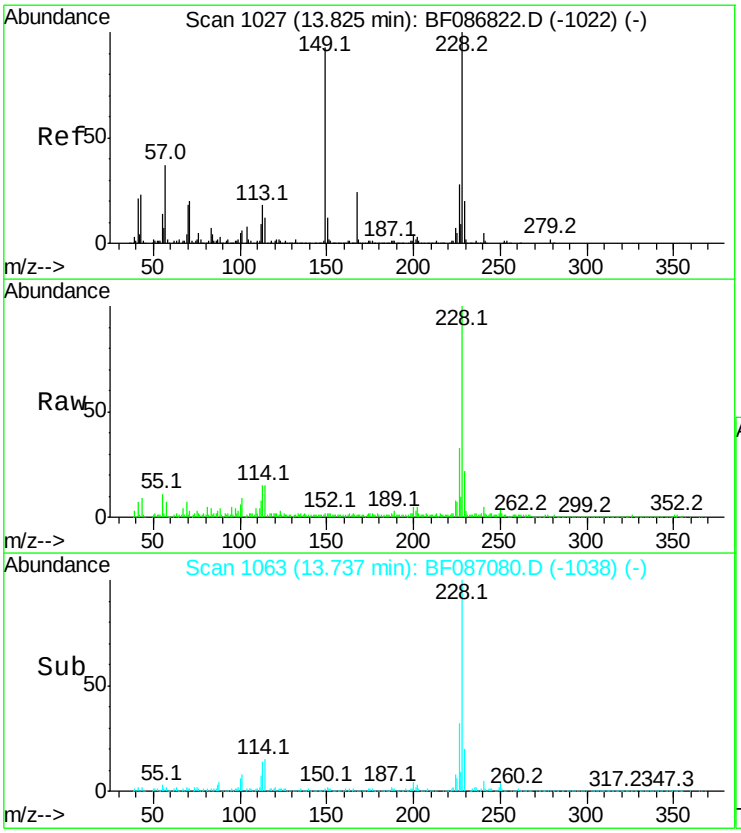
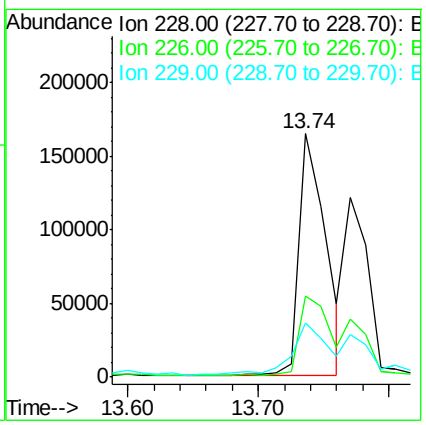
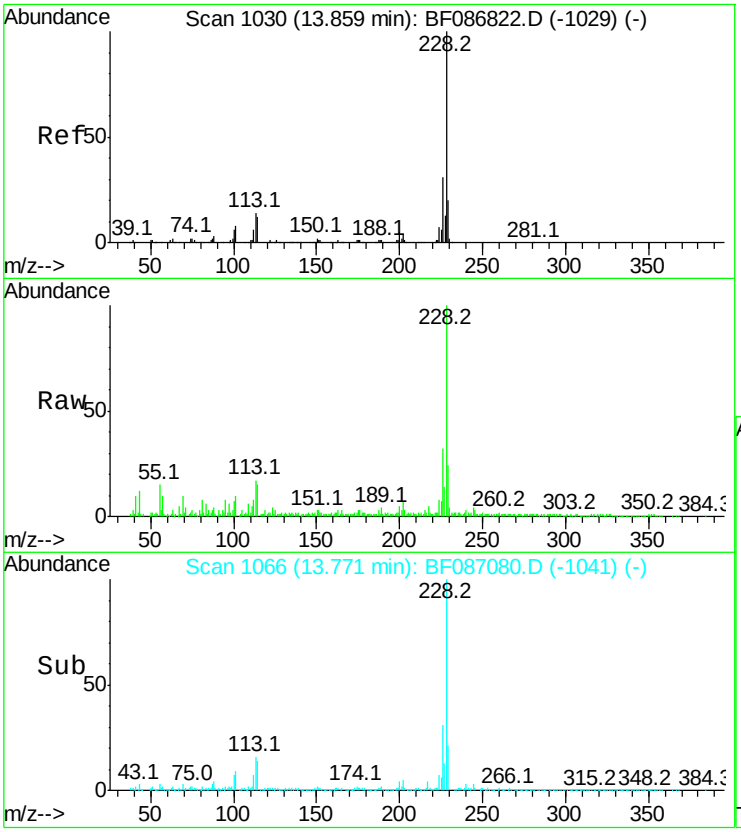


#80
Benzo(a)anthracene
Concen: 22.53 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:228 Resp: 233630

Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.5	33.7
229	22.3	16.6	25.0

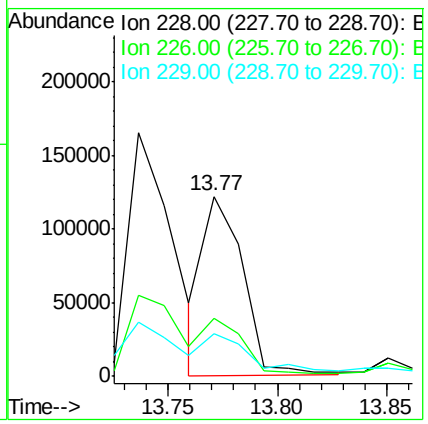




#82
Chrysene
Concen: 14.55 ng m
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:228 Resp: 153423

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.4	36.6
229	23.9	15.8	23.8#



Instrument :
BNA_F
ClientSampleId :
DUPB

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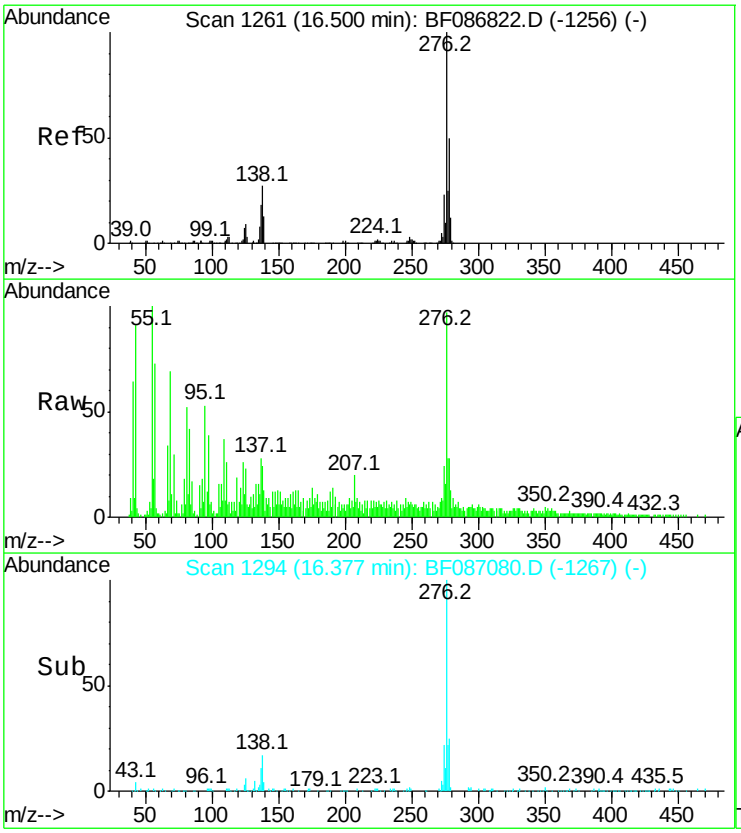
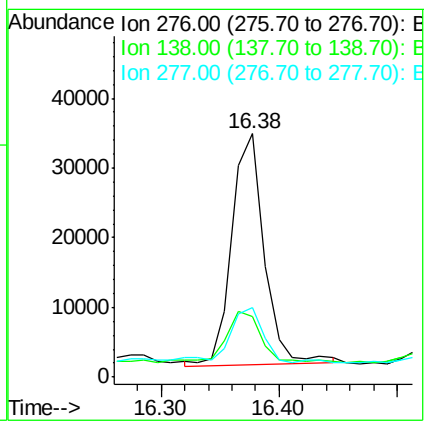
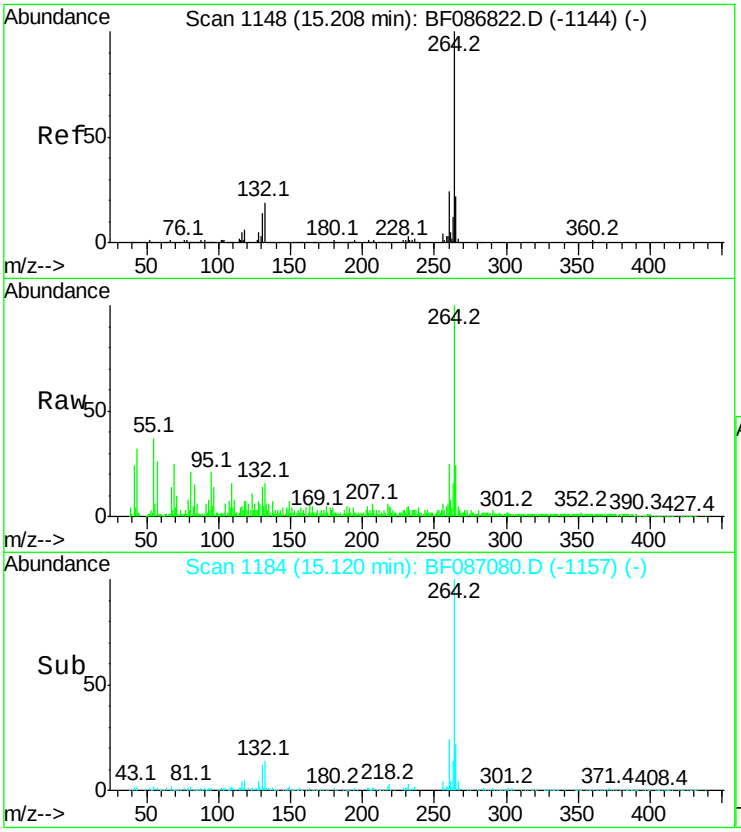


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.19 ng m
RT: 16.38 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:276 Resp: 63117

Ion	Ratio	Lower	Upper
276	100		
138	5.2	25.6	38.4#
277	5.1	20.5	30.7#

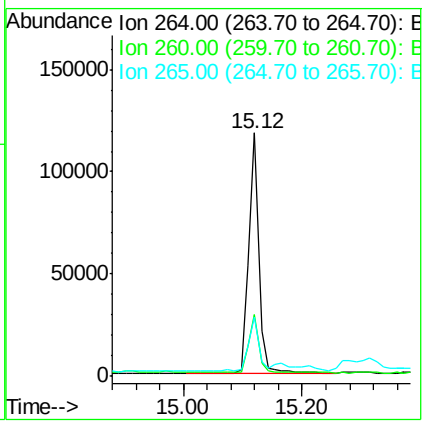




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:264 Resp: 140806

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	24.2	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
DUPB

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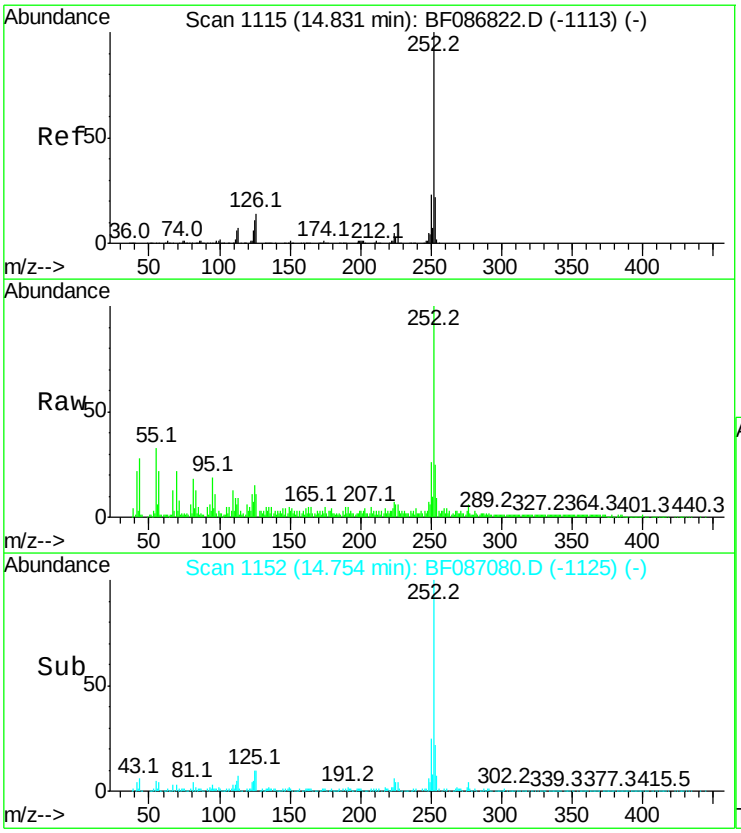
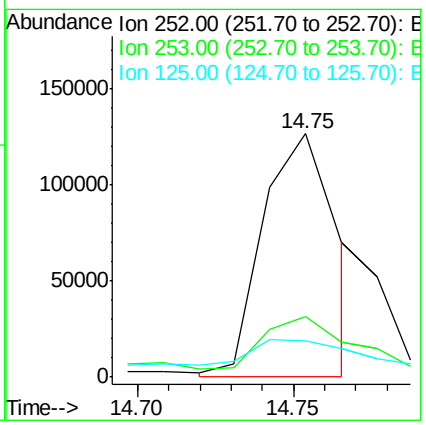
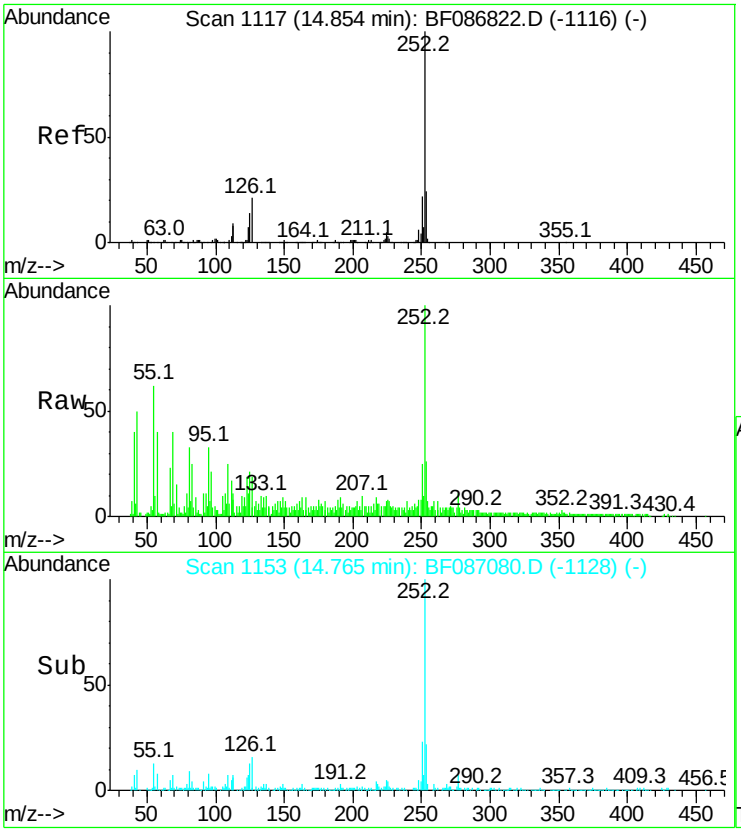


#87
Benzo(b)fluoranthene
Concen: 22.69 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:252 Resp: 207604

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	15.1	11.4	17.0

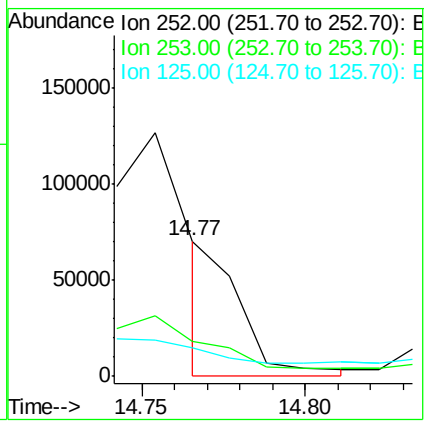




#88
Benzo(k)fluoranthene
Concen: 6.15 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:252 Resp: 46113

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.6
125	21.1	9.1	13.7#



Instrument :
BNA_F
ClientSampleId :
DUPB

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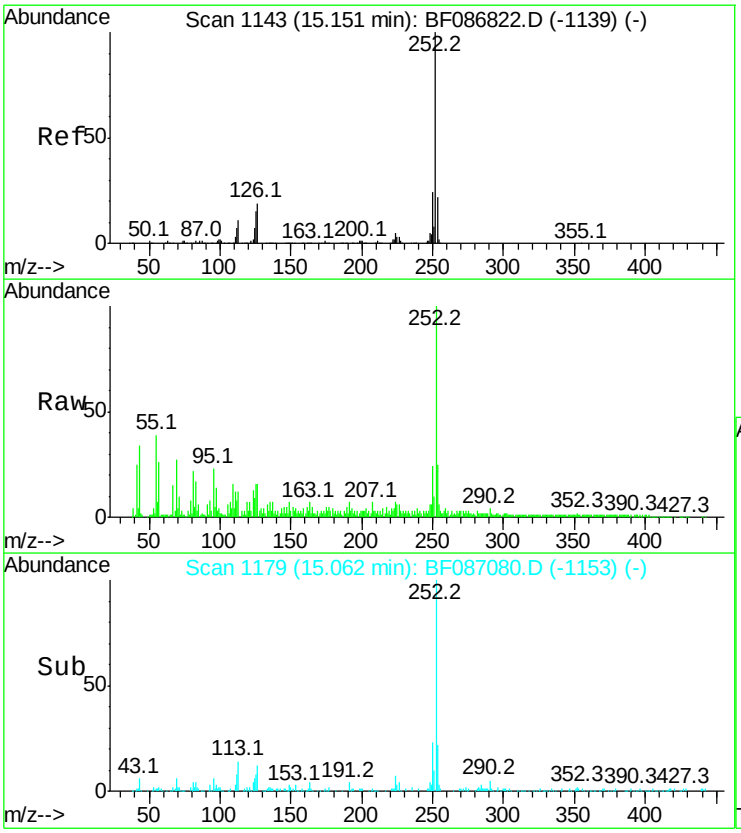
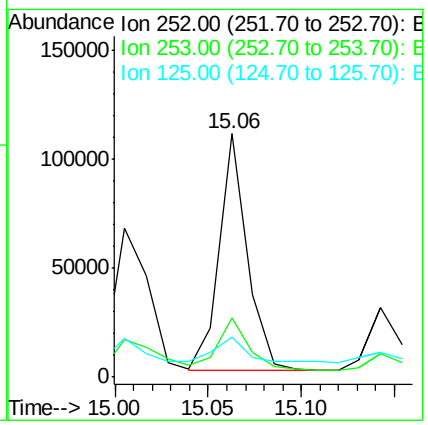
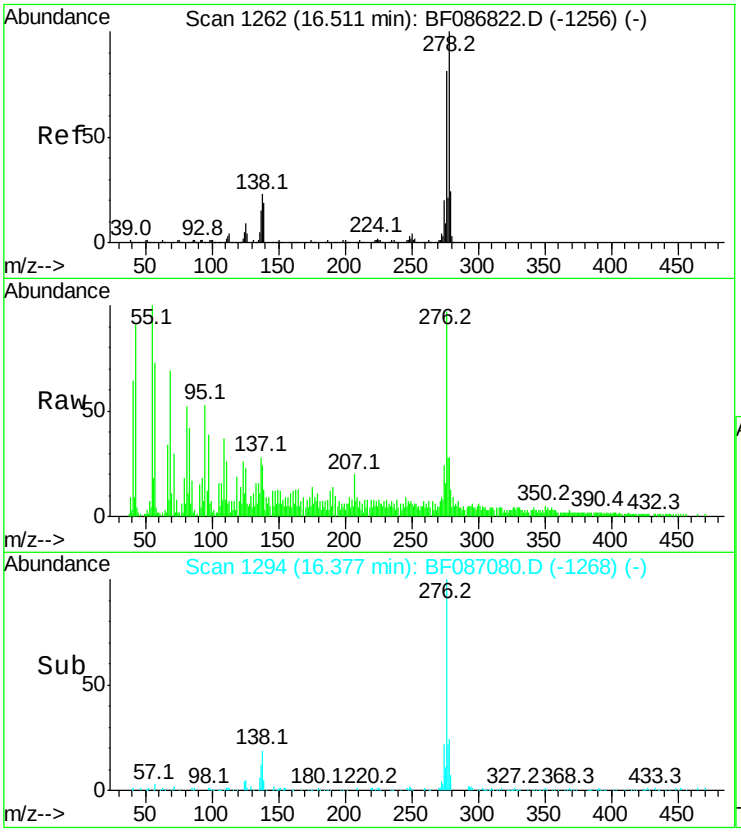


#89
Benzo(a)pyrene
Concen: 14.48 ng
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:252 Resp: 114267

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	16.3	9.0	13.6#





#90
Dibenzo(a,h)anthracene
Concen: 3.01 ng
RT: 16.38 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:278 Resp: 20052

Ion	Ratio	Lower	Upper
278	100		
139	45.7	16.6	24.8#
279	46.5	19.6	29.4#

Instrument :
BNA_F
ClientSampleId :
DUPB

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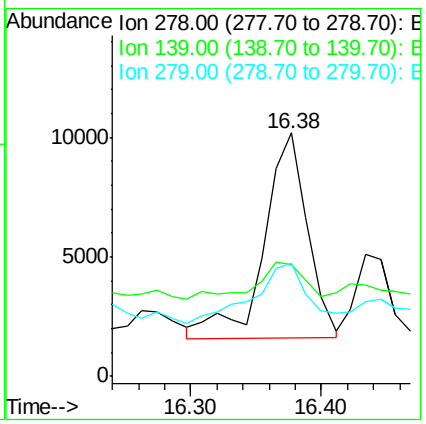

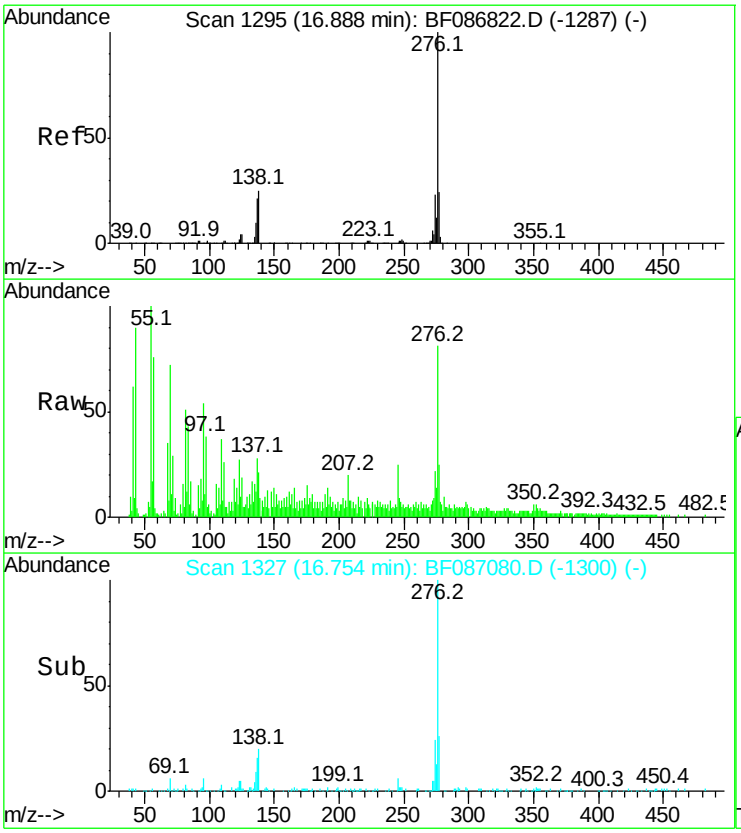

#91
Benzo(g,h,i)perylene
Concen: 7.93 ng
RT: 16.75 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:276 Resp: 53569

Ion	Ratio	Lower	Upper
276	100		
277	30.9	19.6	29.4#
138	26.1	23.6	35.4