Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088010.D
Acq On : 14 Jun 2016 20:58
Operator : UM/SJ
Sample : H3426-05RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-51RE

Manual Integrations APPROVED
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Quant Time: Jun 15 04:36:29 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	120216	20.00	ng		-0.01
21) Naphthalene-d8	8.07	136	499035	20.00	ng		-0.01
38) Acenaphthene-d10	9.83	164	219485	20.00	ng		-0.01
63) Phenanthrene-d10	11.30	188	342118	20.00	ng		-0.01
75) Chrysene-d12	13.93	240	264153	20.00	ng		-0.02
86) Perylene-d12	15.35	264	267106	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	341295	48.53	ng		-0.01
7) Phenol-d6	6.42	99	445366	52.26	ng		-0.01
23) Nitrobenzene-d5	7.35	82	265338	31.05	ng		-0.01
41) 2,4,6-Tribromophenol	10.60	330	71429	30.82	ng		-0.02
44) 2-Fluorobiphenyl	9.14	172	396270	24.42	ng		-0.02
78) Terphenyl-d14	12.89	244	268055	23.09	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.54	163	53388	3.36	ng		99
70) Phenanthrene	11.33	178	182083	10.14	ng		97
71) Anthracene	11.38	178	52533	2.90	ng		99
74) Fluoranthene	12.51	202	198670	10.49	ng		95
77) Pyrene	12.74	202	174400	8.90	ng		98
80) Benzo(a)anthracene	13.93	228	93403	6.20	ng		99
82) Chrysene	13.97	228	71292m	5.03	ng		
85) Indeno(1,2,3-cd)pyrene	16.70	276	35254	2.68	ng	#	100
87) Benzo(b)fluoranthene	14.95	252	101162m	5.43	ng		
88) Benzo(k)fluoranthene	14.97	252	34942m	2.49	ng		
89) Benzo(a)pyrene	15.28	252	71451	4.74	ng	#	93
91) Benzo(g,h,i)perylene	17.10	276	31791	2.21	ng		94

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_F
ClientSampleId :
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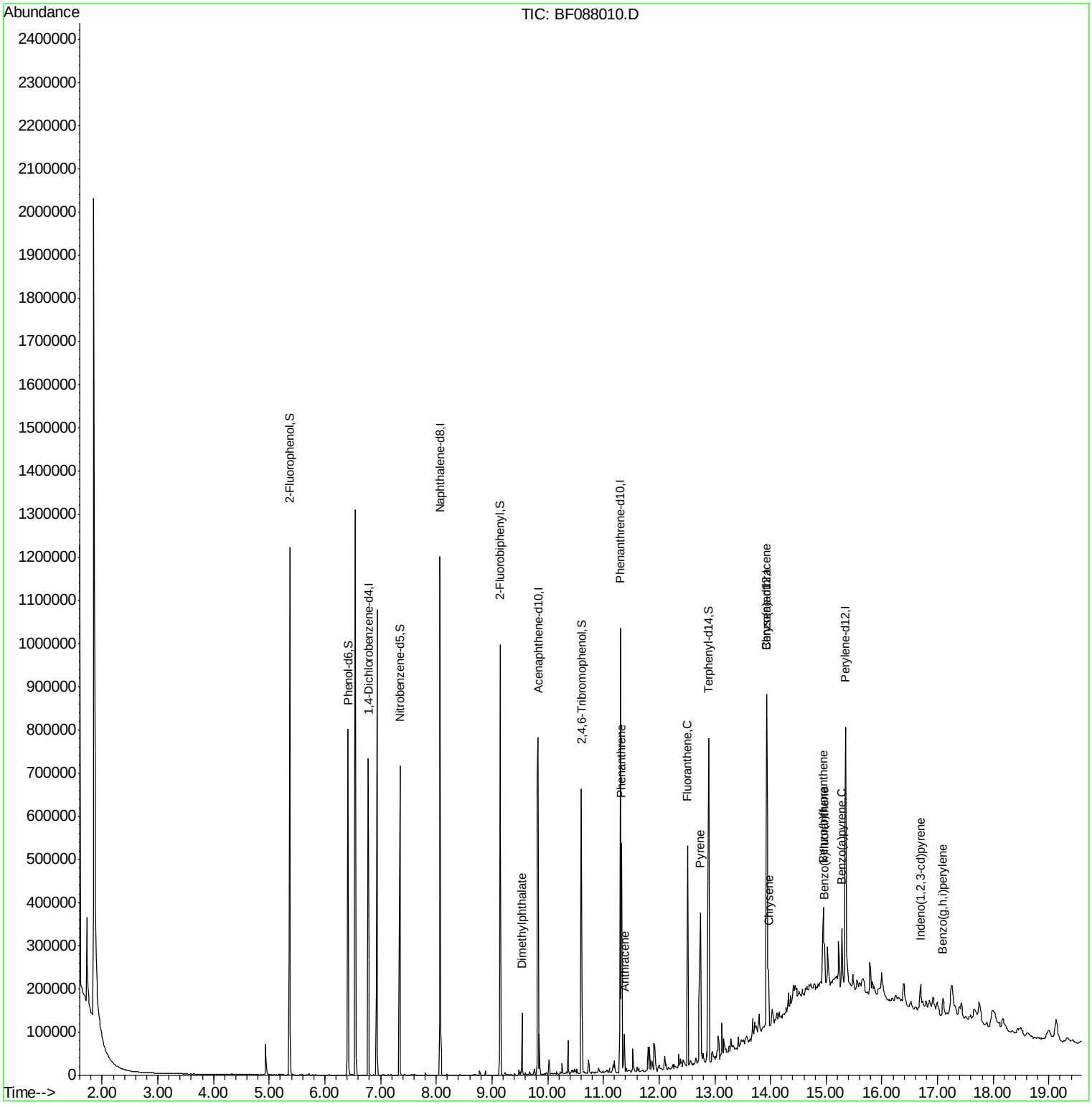
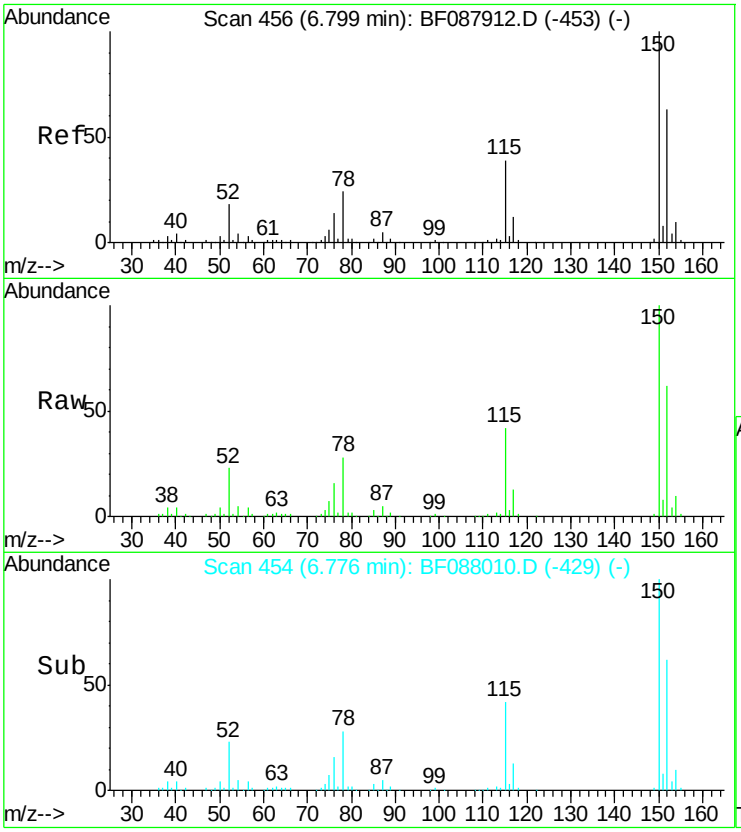
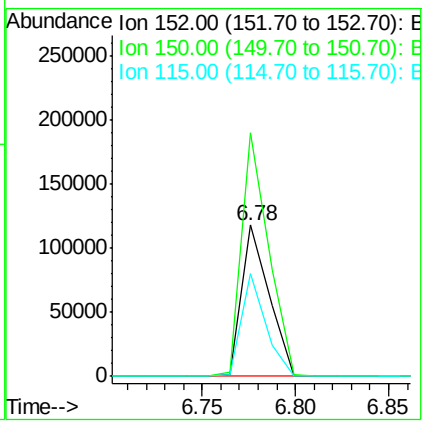




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:152 Resp: 120216

Ion	Ratio	Lower	Upper
152	100		
150	161.3	123.8	185.6
115	68.4	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
SS-51RE

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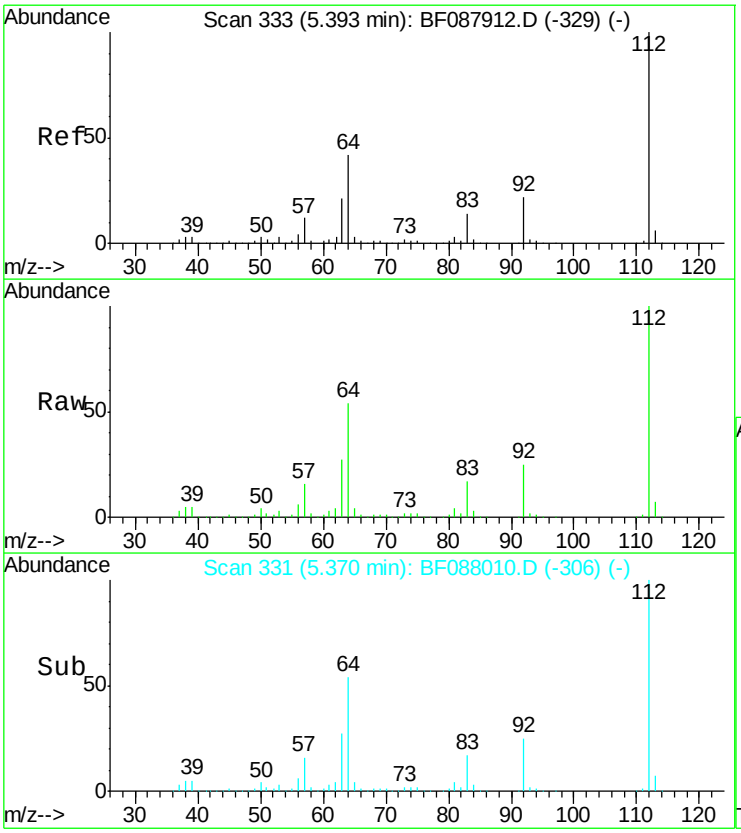
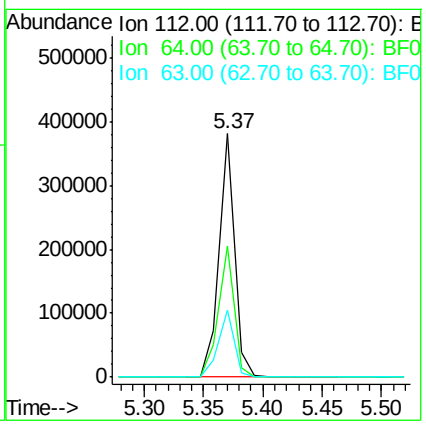
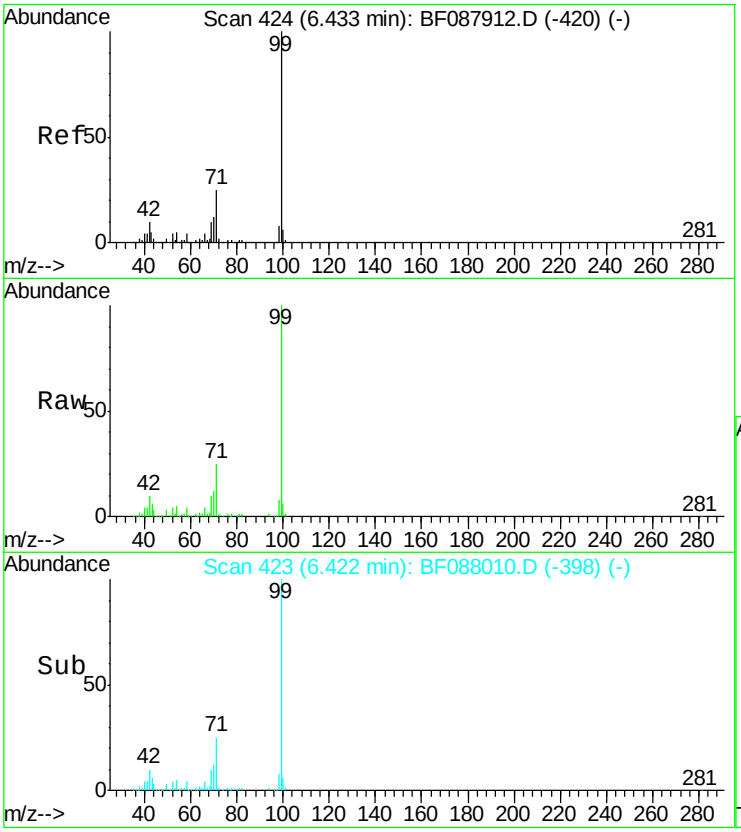


#5
2-Fluorophenol
Concen: 48.53 ng
RT: 5.37 min Scan# 331
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:112 Resp: 341295

Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.2	63.2
63	27.3	21.8	32.8





#7
Phenol-d6
Concen: 52.26 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion: 99 Resp: 445366

Ion	Ratio	Lower	Upper
99	100		
42	10.5	12.2	18.2#
71	24.8	23.4	35.0

Instrument :
BNA_F
ClientSampleId :
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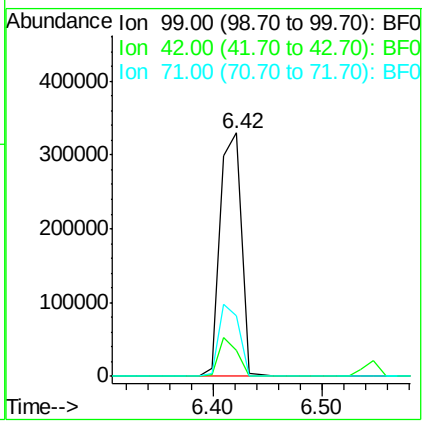
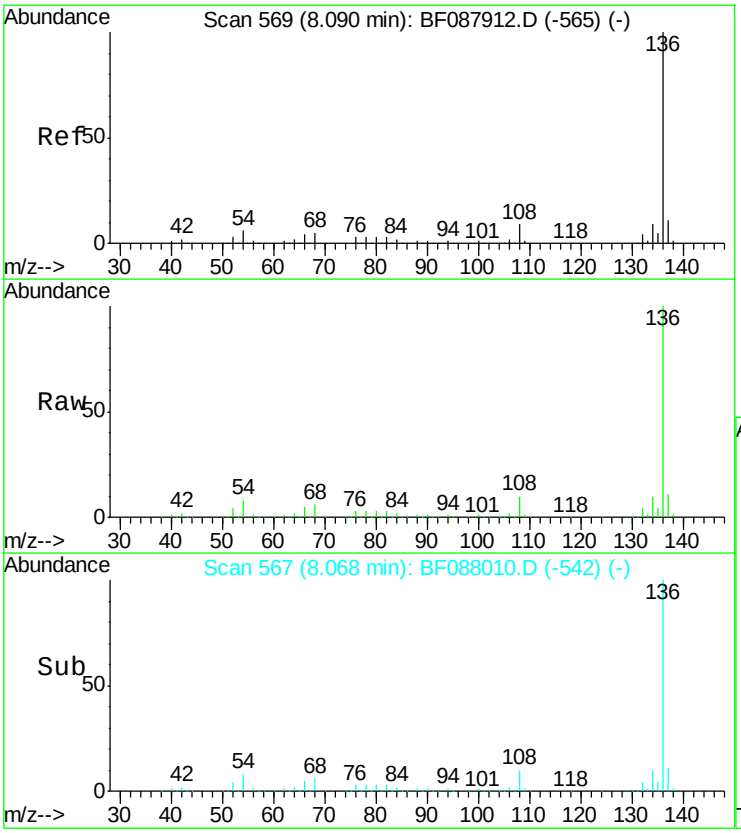
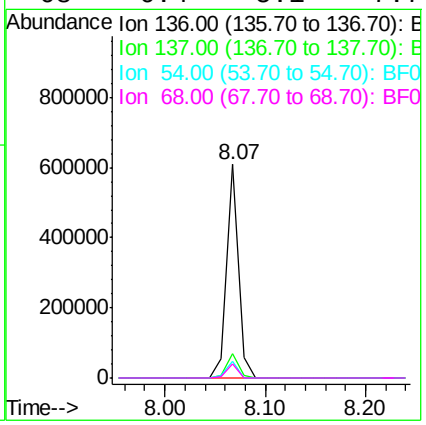


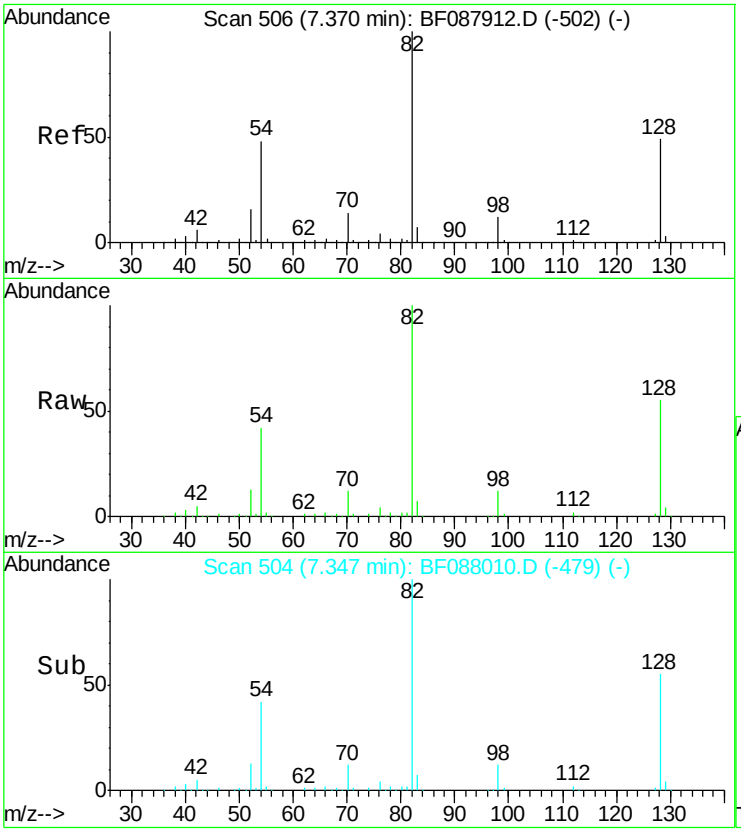


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:136 Resp: 499035

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.5	6.6	10.0
68	6.4	5.1	7.7

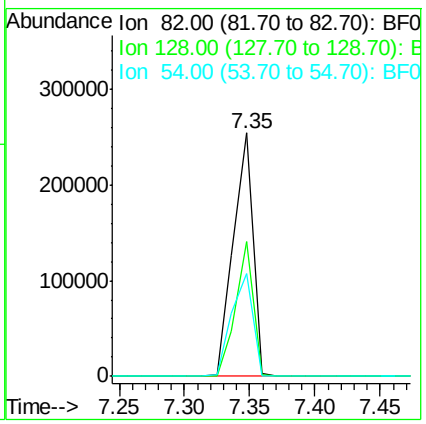




#23
Nitrobenzene-d5
Concen: 31.05 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion: 82 Resp: 265338

Ion	Ratio	Lower	Upper
82	100		
128	55.2	35.9	53.9#
54	42.1	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SS-51RE

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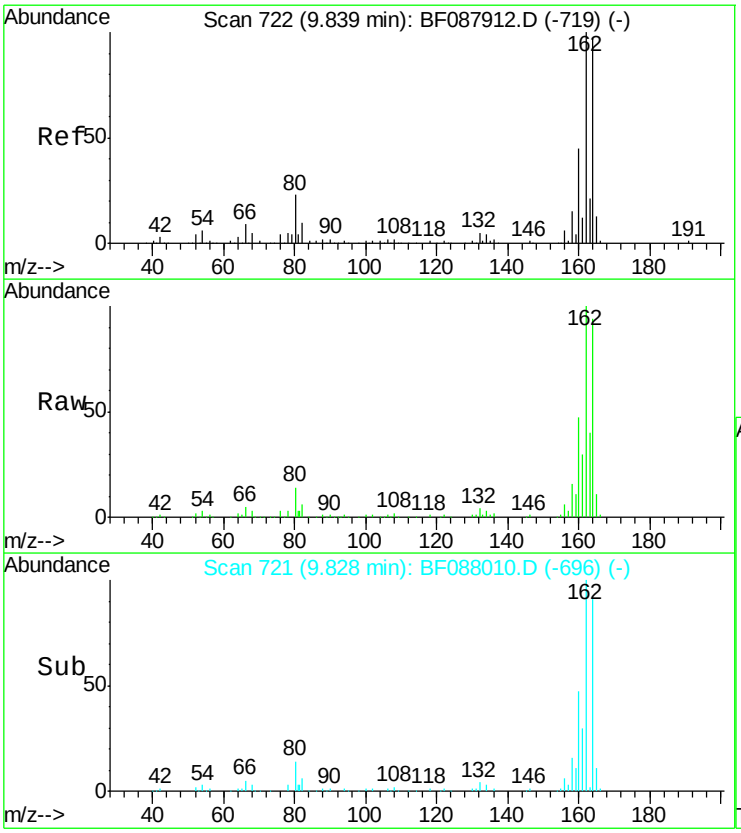
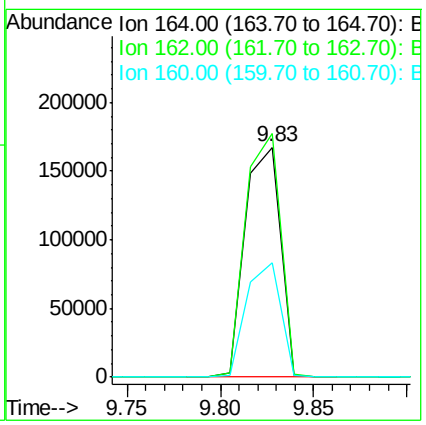
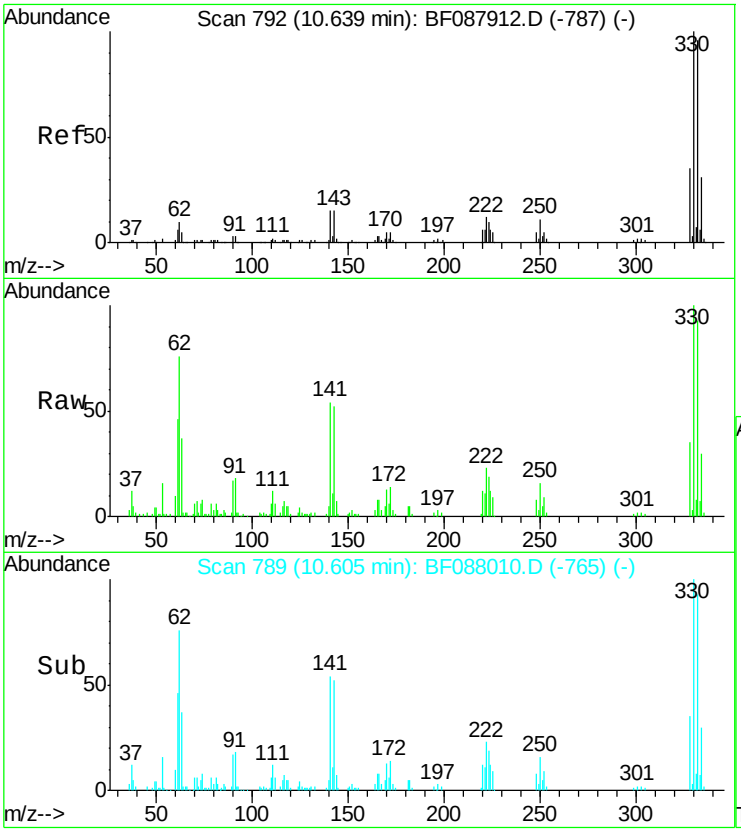


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:164 Resp: 219485

Ion	Ratio	Lower	Upper
164	100		
162	105.9	85.4	128.2
160	50.0	39.5	59.3

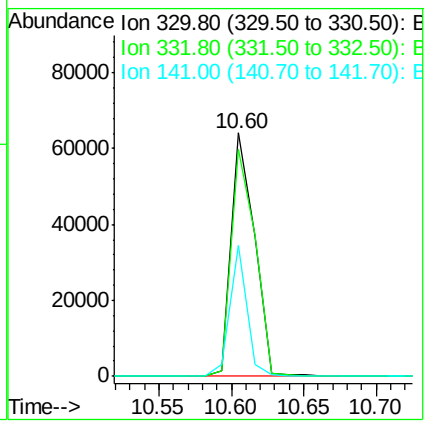




#41
2,4,6-Tribromophenol
Concen: 30.82 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:330 Resp: 71429

Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	39.7	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SS-51RE

Manual Integrations APPROVED
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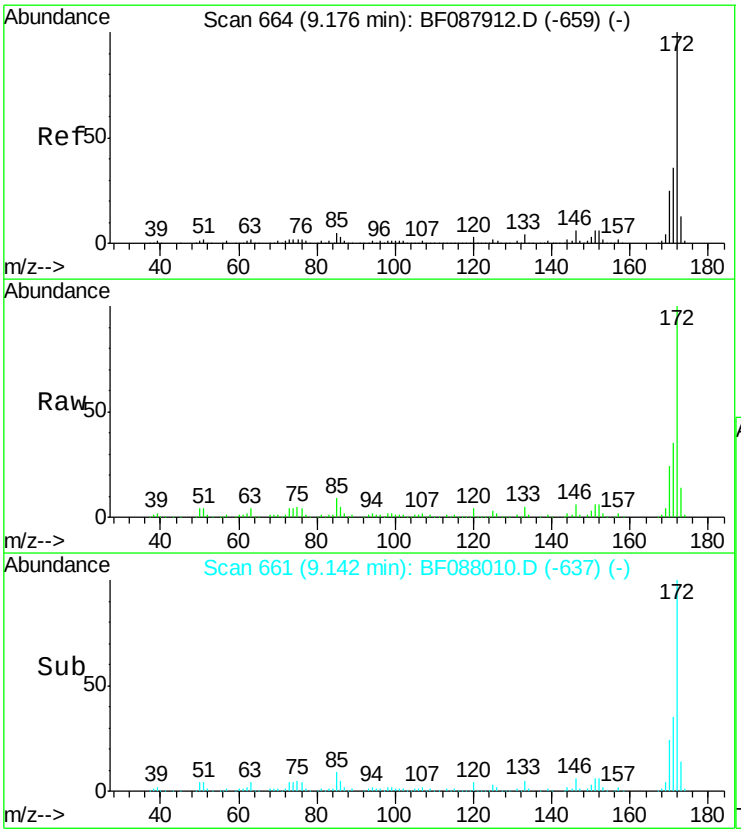
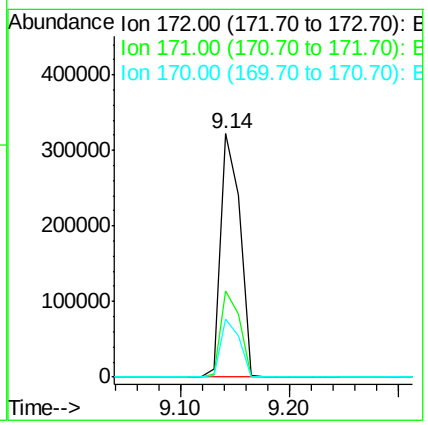
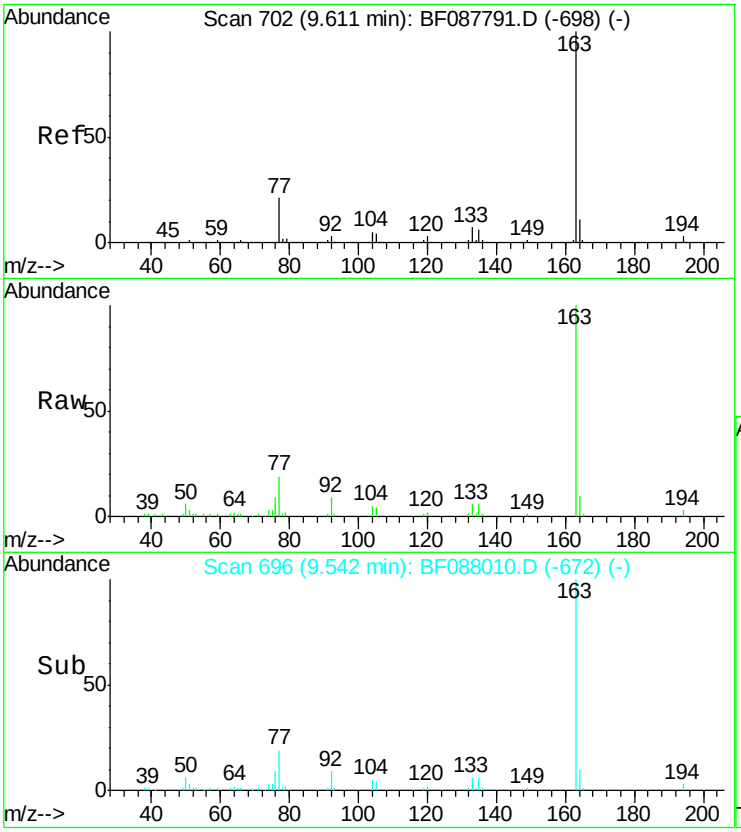


#44
2-Fluorobiphenyl
Concen: 24.42 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:172 Resp: 396270

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.6	19.2	28.8

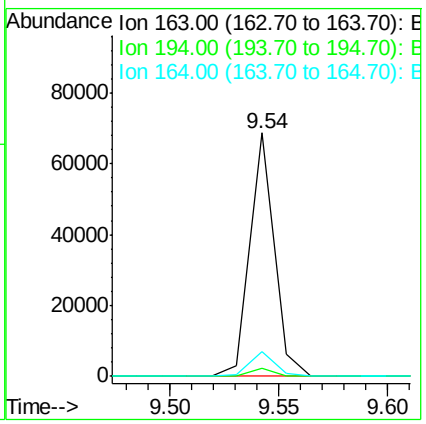




#49
Dimethylphthalate
Concen: 3.36 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:163 Resp: 53388

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.0	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SS-51RE

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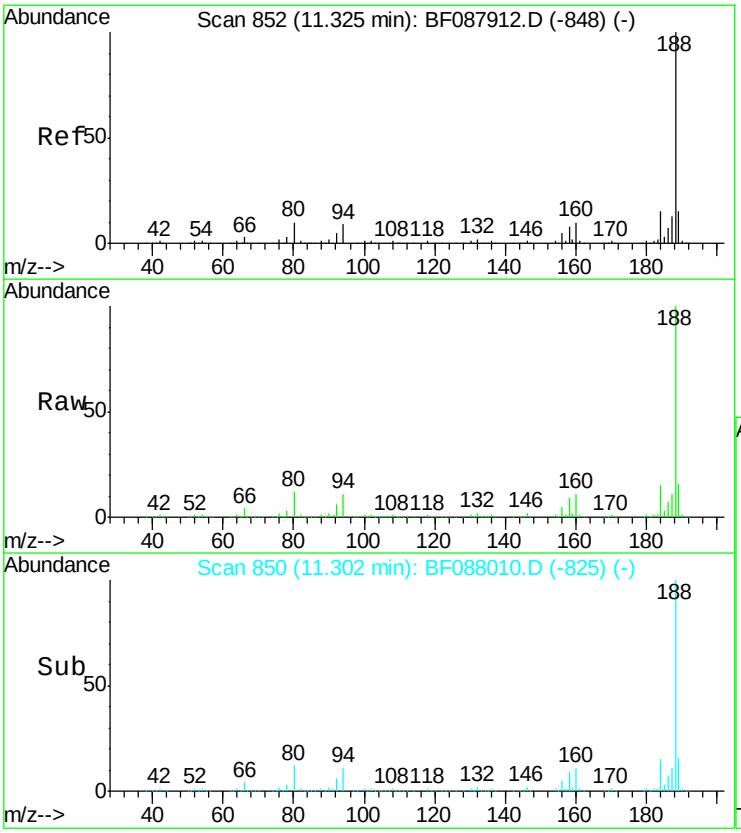
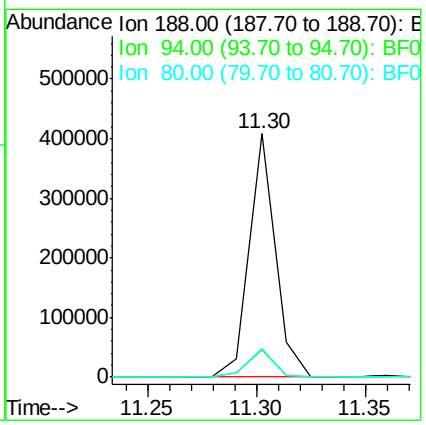
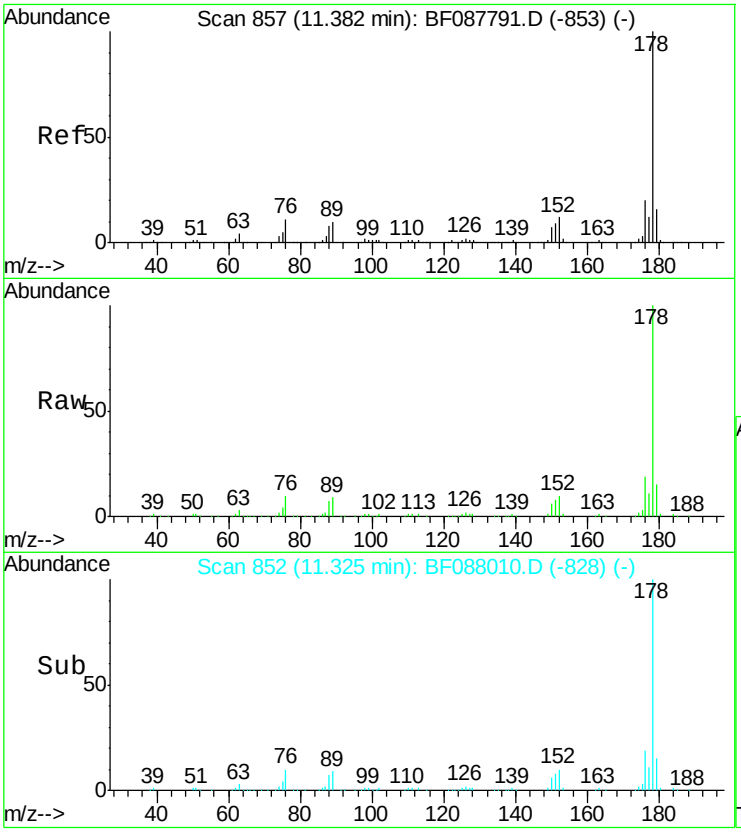


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:188 Resp: 342118

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.6
80	11.7	10.0	15.0

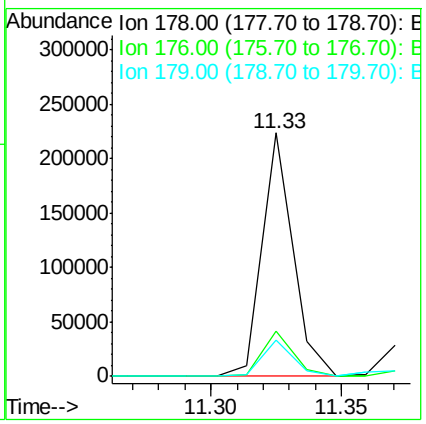




#70
Phenanthrene
Concen: 10.14 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:178 Resp: 182083

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.0	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SS-51RE

Manual Integrations APPROVED
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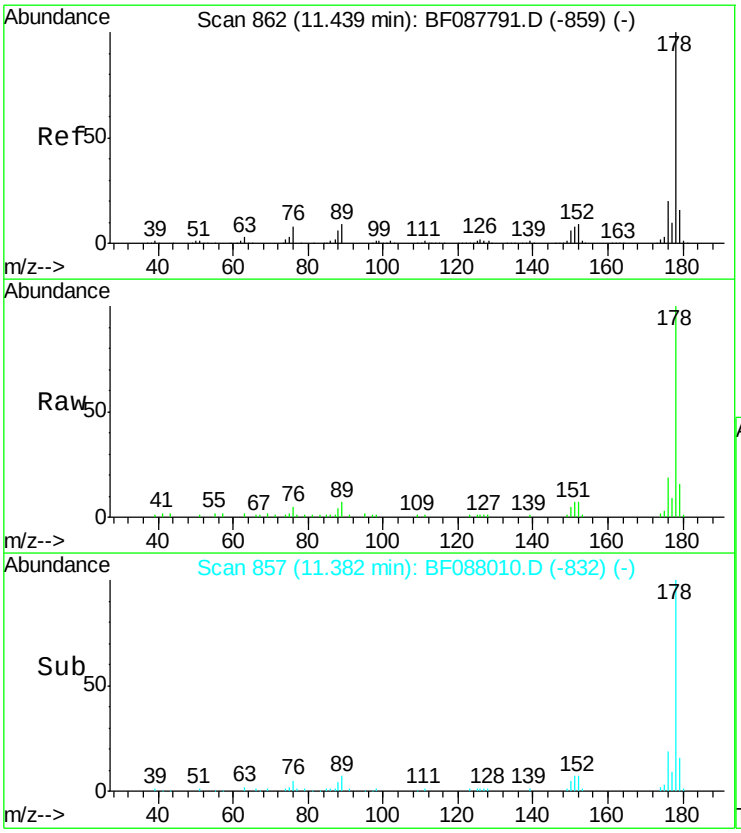
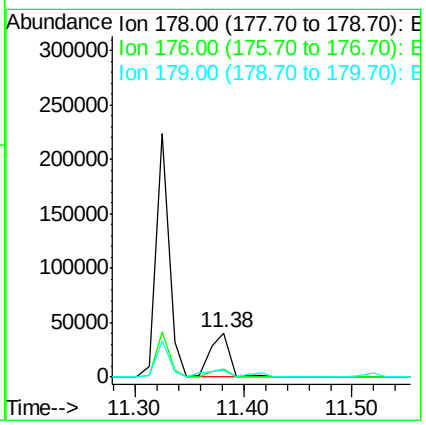
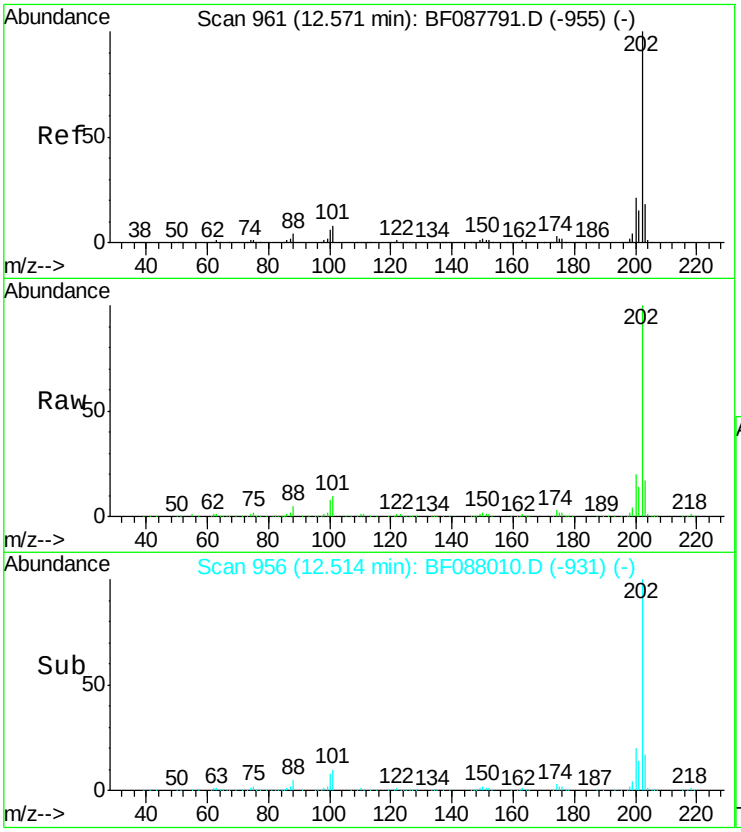


#71
Anthracene
Concen: 2.90 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:178 Resp: 52533

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.7	12.8	19.2

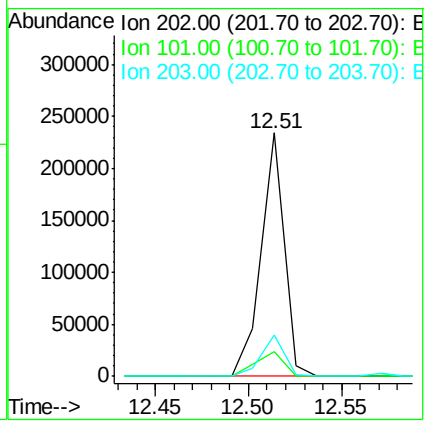




#74
Fluoranthene
Concen: 10.49 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:202 Resp: 198670

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.1
203	17.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SS-51RE

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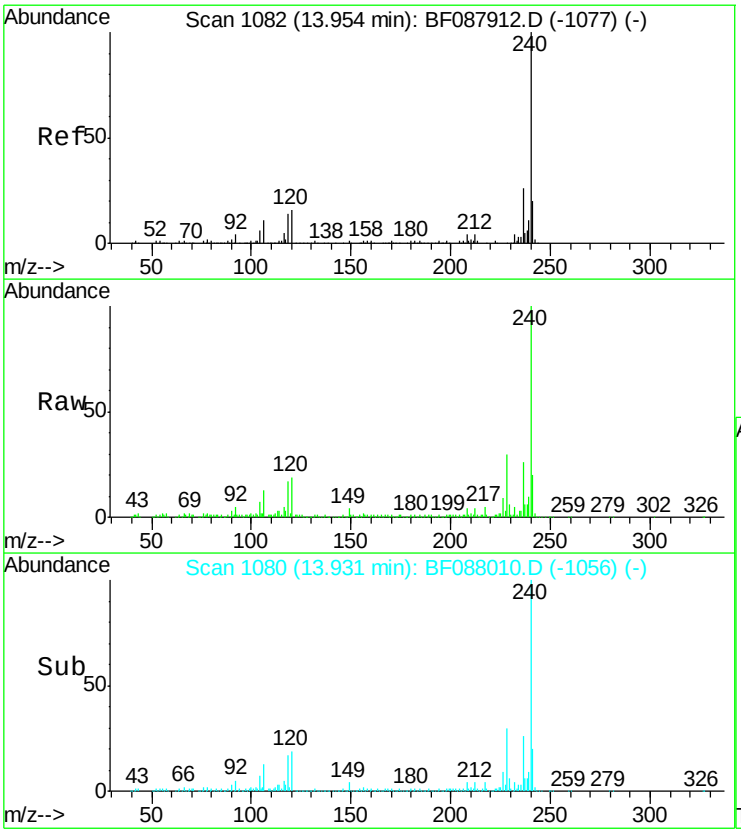
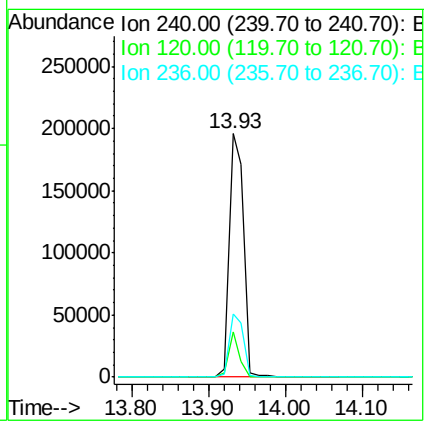
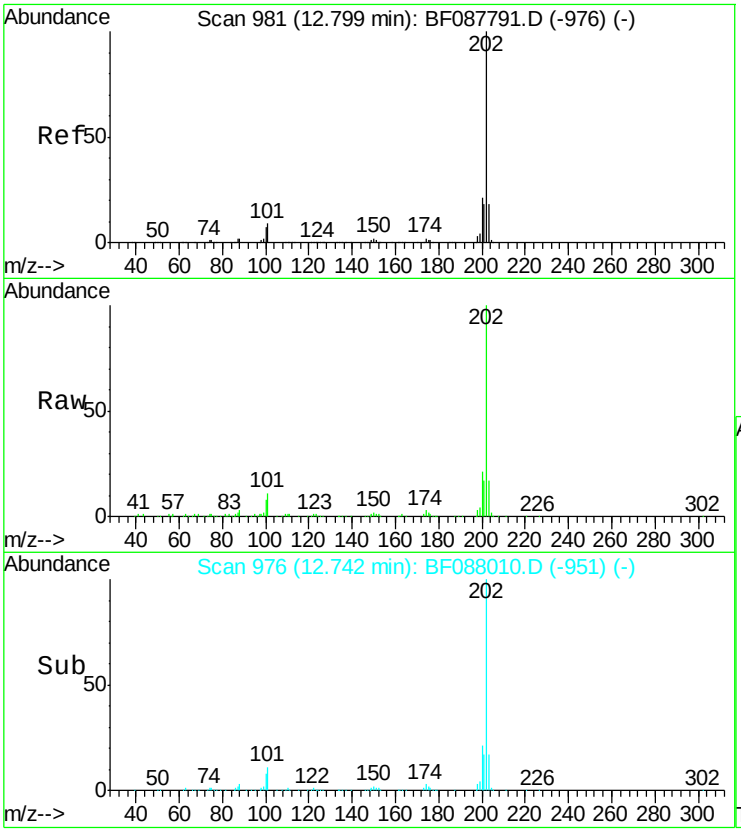


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:240 Resp: 264153

Ion	Ratio	Lower	Upper
240	100		
120	18.7	6.8	10.2#
236	25.7	20.2	30.2

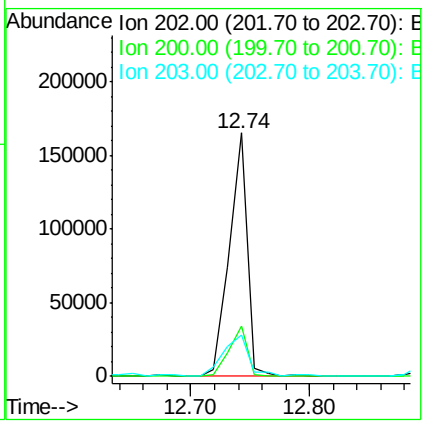




#77
Pyrene
Concen: 8.90 ng
RT: 12.74 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:202 Resp: 174400

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.2	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
SS-51RE

Manual Integrations APPROVED
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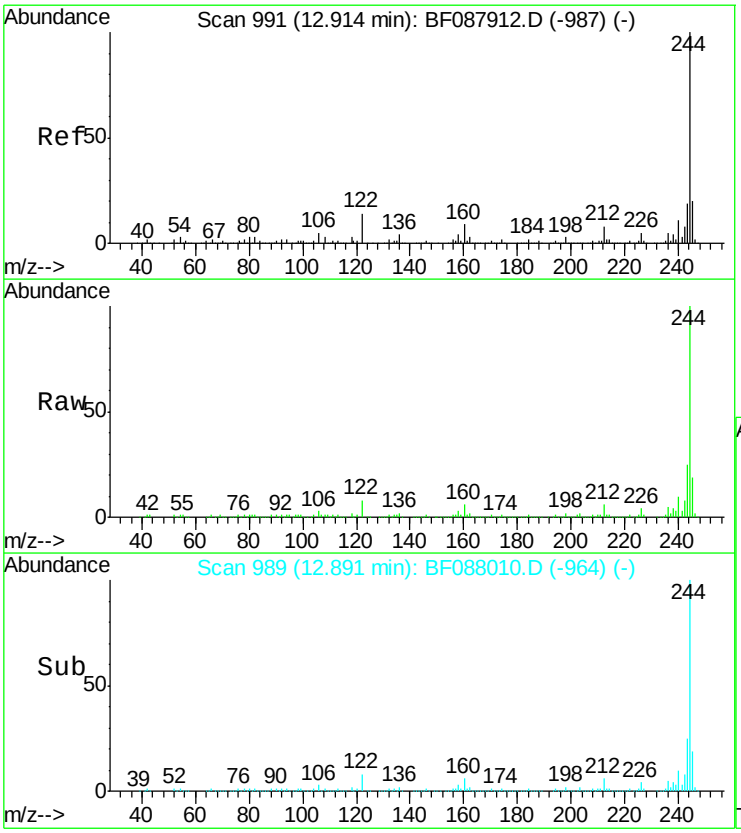
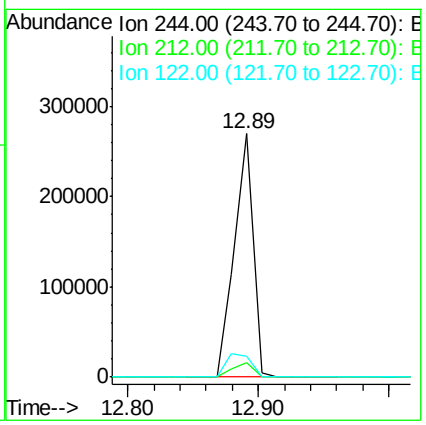
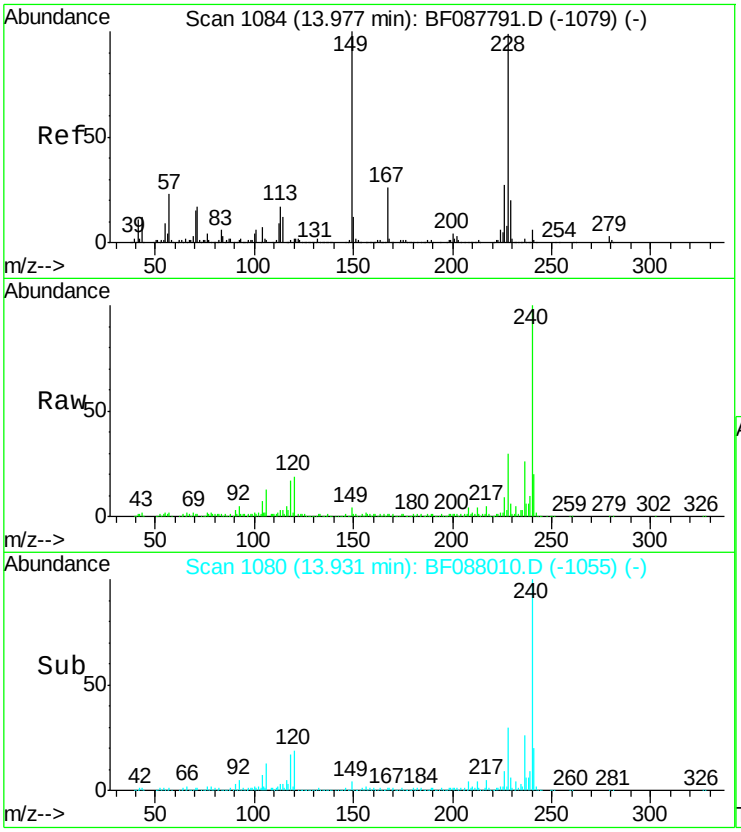


#78
Terphenyl-d14
Concen: 23.09 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:244 Resp: 268055

Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	8.4	11.2	16.8#

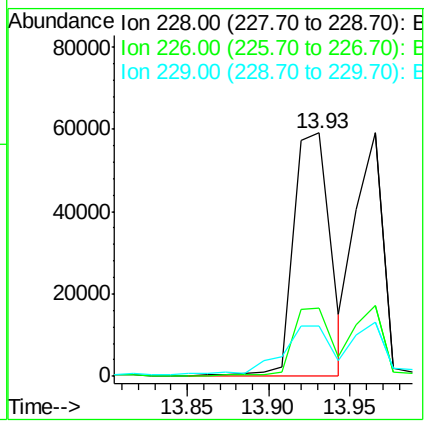




#80
Benzo(a)anthracene
Concen: 6.20 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:228 Resp: 93403

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	20.9	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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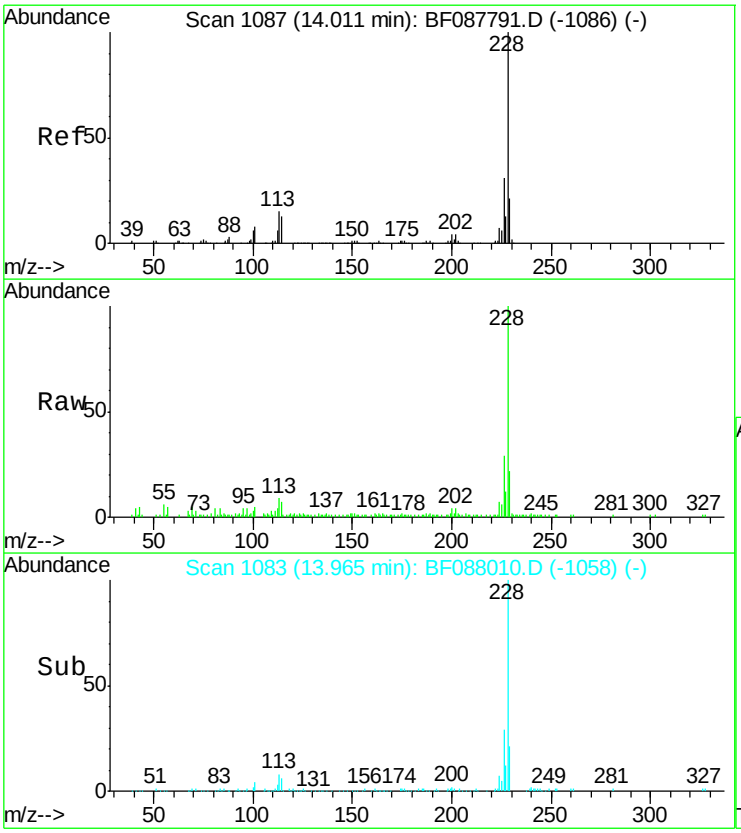
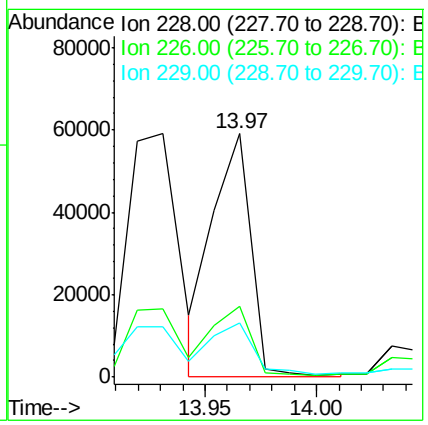
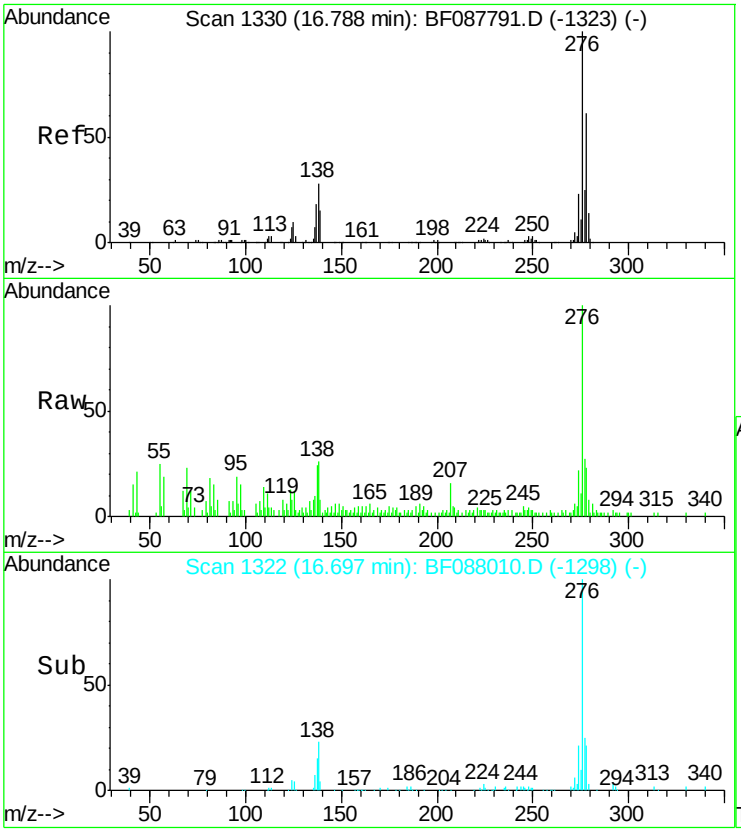


#82
Chrysene
Concen: 5.03 ng m
RT: 13.97 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:228 Resp: 71292

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.4	38.2
229	22.0	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.68 ng
RT: 16.70 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:276 Resp: 35254

Ion	Ratio	Lower	Upper
276	100		
138	28.3	0.0	0.0#
277	28.4	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
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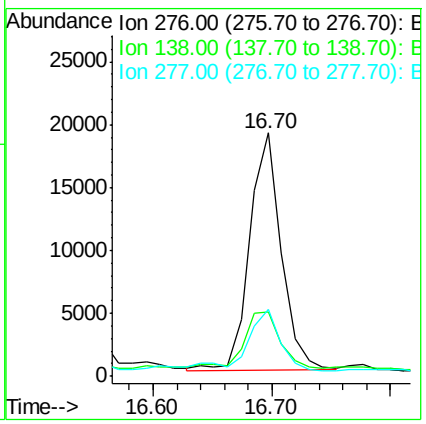
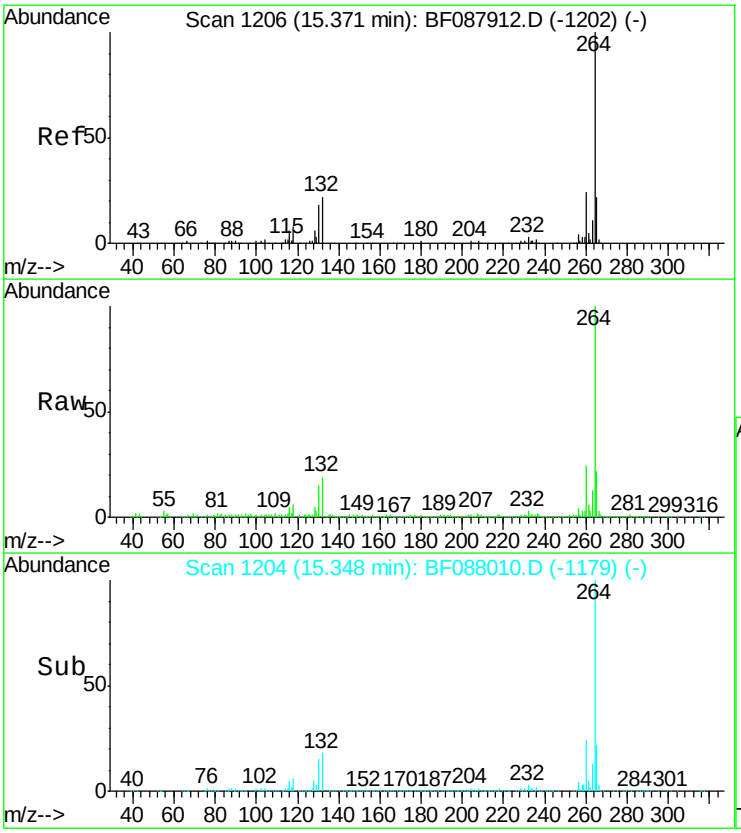
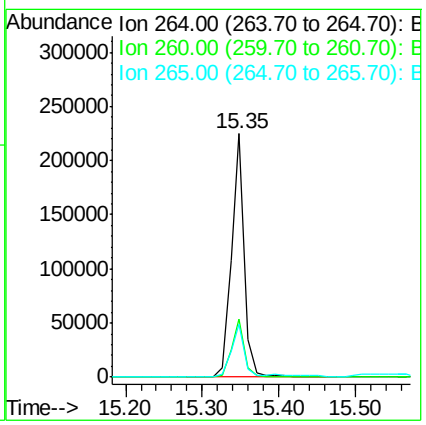


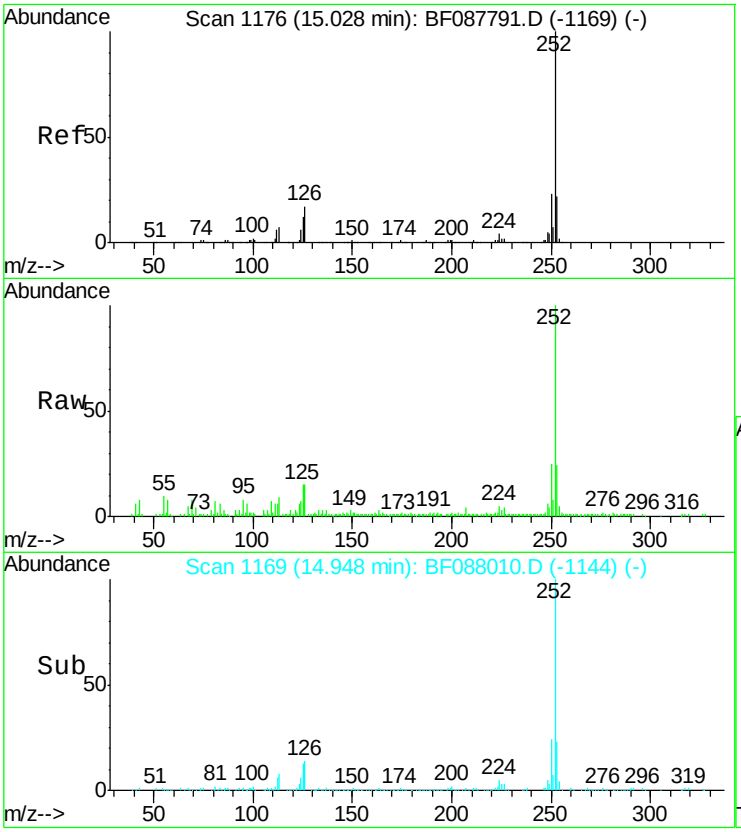


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:264 Resp: 267106

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	16.9	25.3

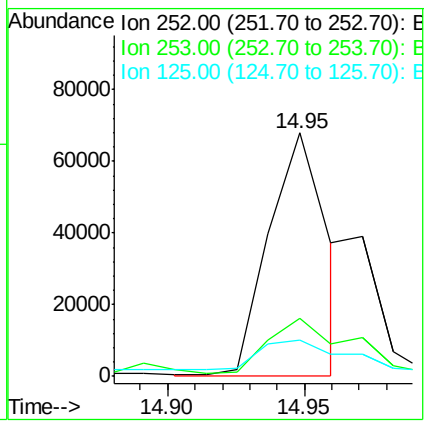




#87
Benzo(b)fluoranthene
Concen: 5.43 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:252 Resp: 101162

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	15.0	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
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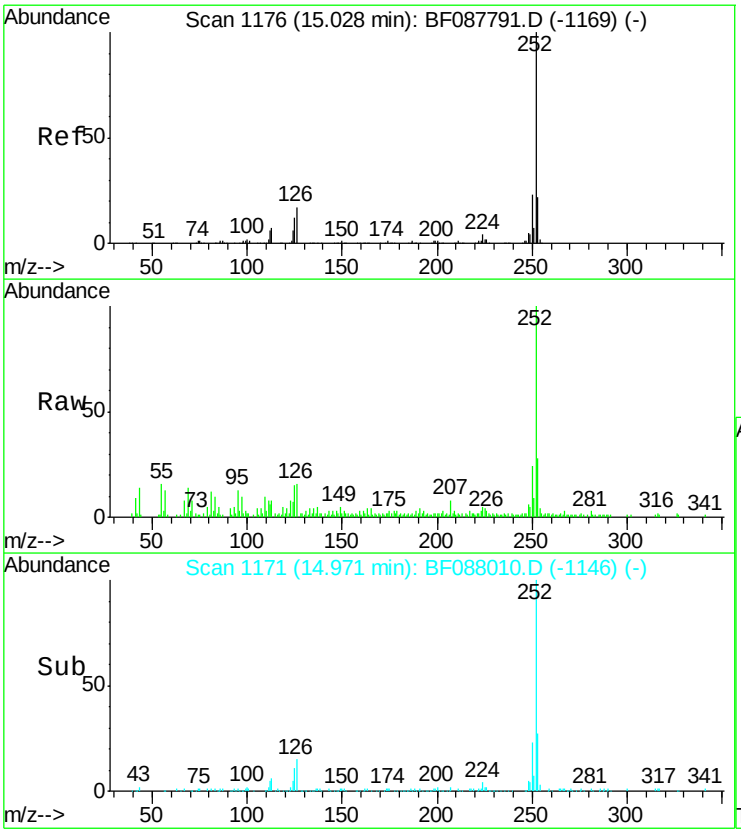
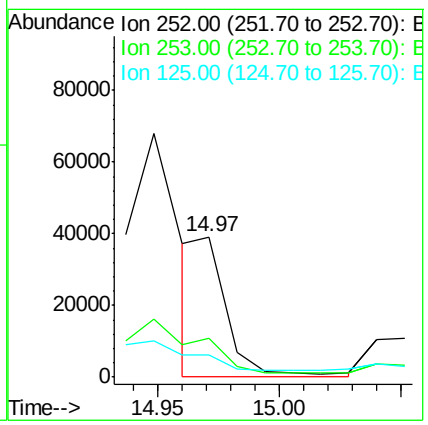
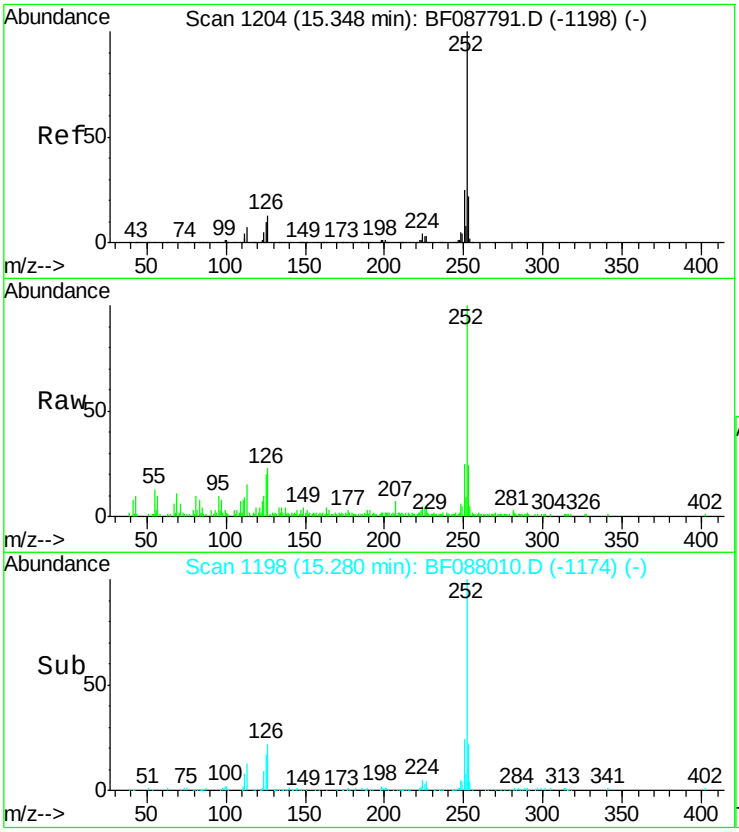


#88
Benzo(k)fluoranthene
Concen: 2.49 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:252 Resp: 34942

Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.0	27.0#
125	15.4	11.2	16.8





#89
Benzo(a)pyrene
Concen: 4.74 ng
RT: 15.28 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:252 Resp: 71451

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	20.2	12.5	18.7#

Instrument :
BNA_F
ClientSampleId :
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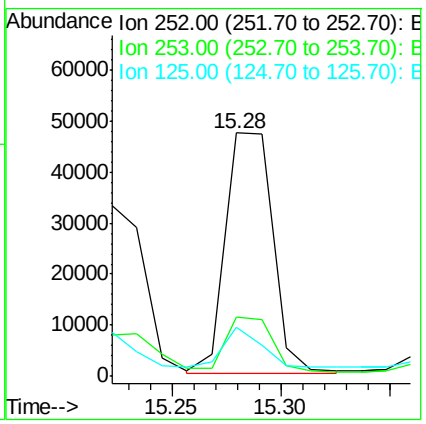

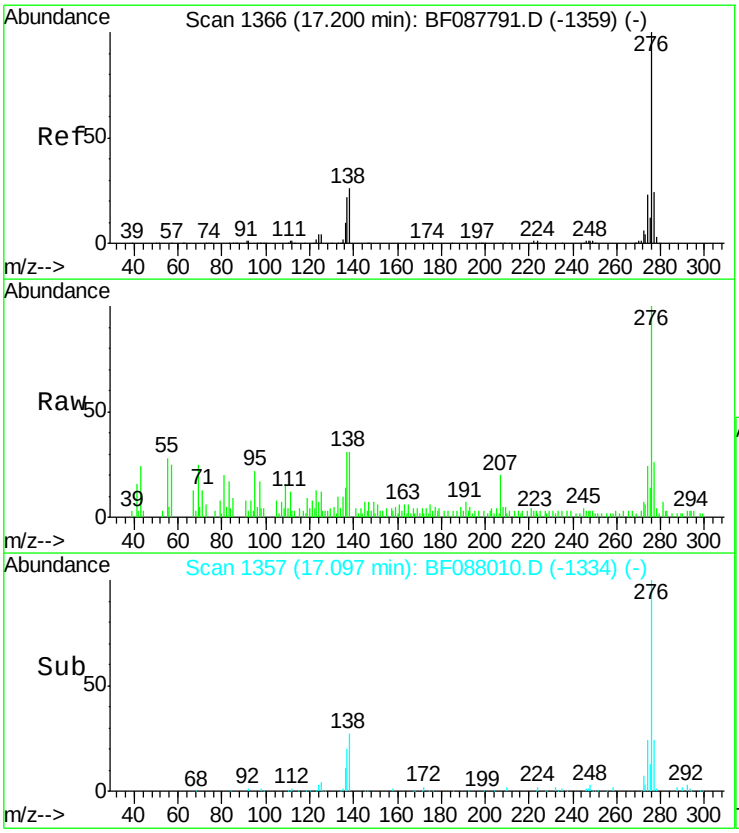

#91
Benzo(g,h,i)perylene
Concen: 2.21 ng
RT: 17.10 min Scan# 1357
Delta R.T. -0.03 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:276 Resp: 31791

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.9	28.3
138	30.5	21.4	32.2