Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088491.D
Acq On : 28 Jun 2016 21:05
Operator : UM/SJ
Sample : H3663-11DL 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6DL

Manual Integrations APPROVED
umangi
6/29/2016 4:41:34 PM

Quant Time: Jun 29 12:49:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 28 05:25:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	92953	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	387675	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	175361	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	290327	20.00	ng	-0.03
75) Chrysene-d12	13.66	240	175976	20.00	ng	-0.03
86) Perylene-d12	15.02	264	158807	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	4585	0.84	ng	0.07
7) Phenol-d6	6.24	99	11761m	1.78	ng	0.01
23) Nitrobenzene-d5	7.15	82	3427	0.52	ng	0.02
41) 2,4,6-Tribromophenol	10.35	330	2247	1.21	ng	-0.02
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	12.62	244	14702	1.90	ng	-0.02
Target Compounds						Qvalue
51) Acenaphthene	9.59	154	33474	2.97	ng	99
70) Phenanthrene	11.05	178	442635	29.05	ng	98
71) Anthracene	11.11	178	145035	9.44	ng	97
72) Carbazole	11.28	167	53741	3.74	ng	99
74) Fluoranthene	12.24	202	619037	38.50	ng	99
77) Pyrene	12.47	202	504565	38.64	ng	99
80) Benzo(a)anthracene	13.66	228	231132	23.05	ng	99
82) Chrysene	13.69	228	206955m	21.94	ng	
85) Indeno(1,2,3-cd)pyrene	16.24	276	154409	17.62	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	302962m	27.37	ng	
88) Benzo(k)fluoranthene	14.67	252	72006m	8.62	ng	
89) Benzo(a)pyrene	14.96	252	192088	21.45	ng	99
90) Dibenzo(a,h)anthracene	16.23	278	43429m	5.22	ng	
91) Benzo(g,h,i)perylene	16.59	276	152667	17.84	ng	99

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

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Manual Integrations APPROVED
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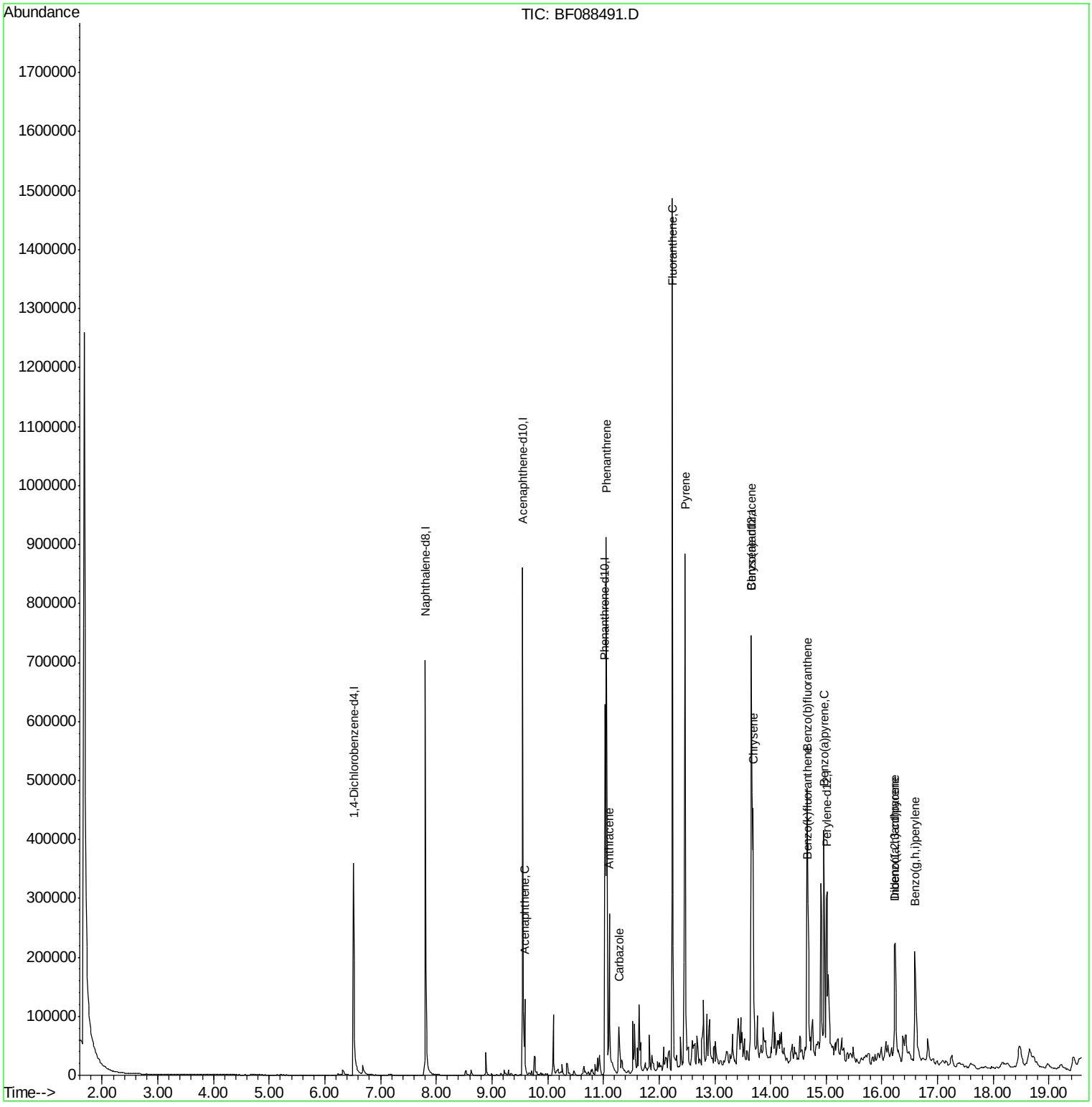
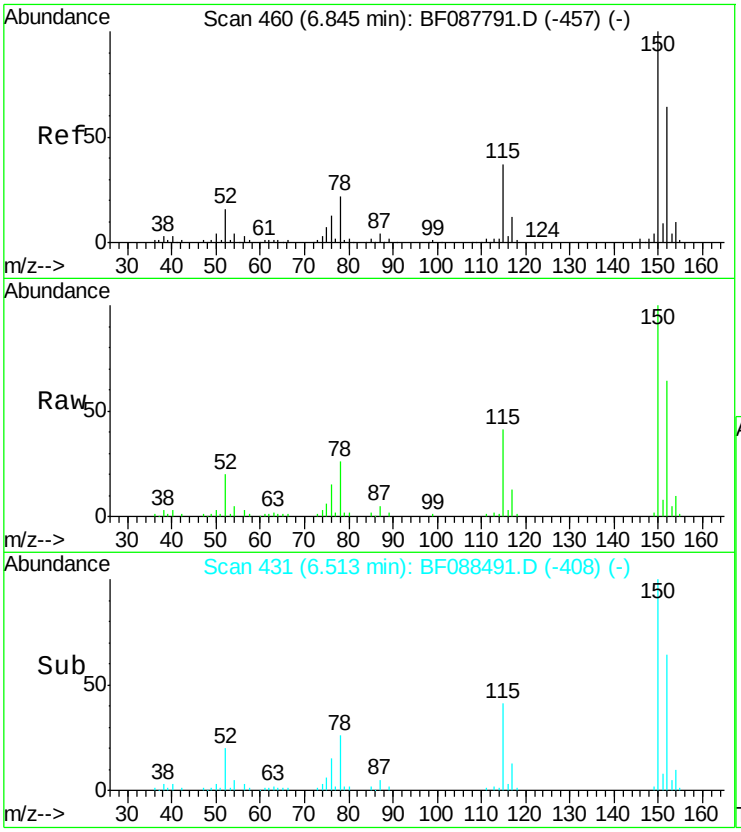
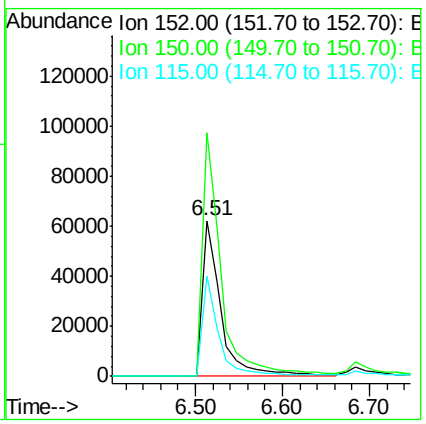




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:152 Resp: 92953

Ion	Ratio	Lower	Upper
152	100		
150	156.6	123.8	185.6
115	64.8	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
TP-6DL

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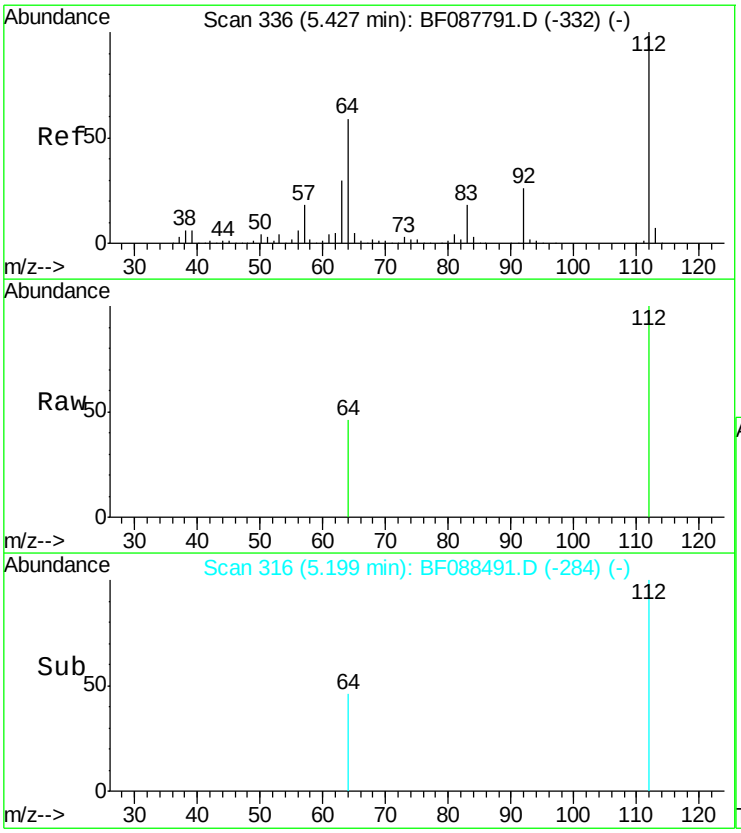
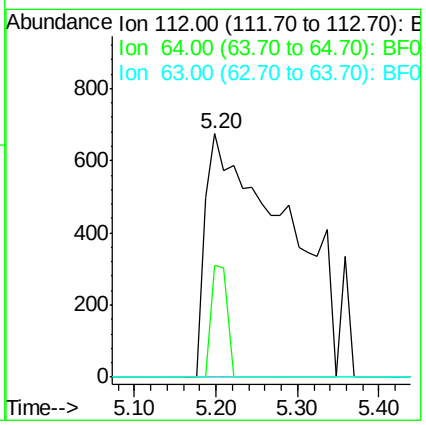
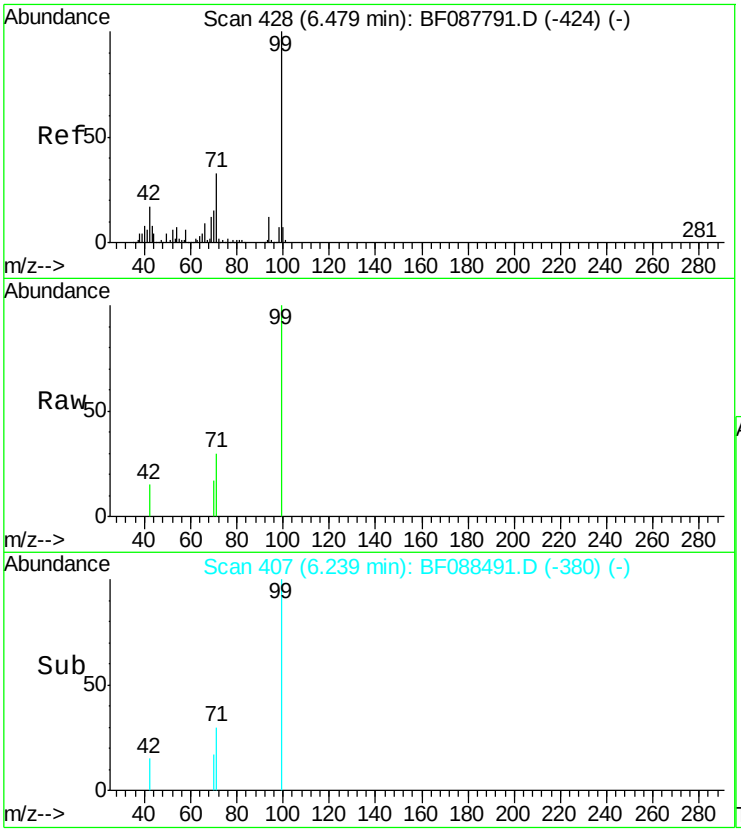


#5
2-Fluorophenol
Concen: 0.84 ng
RT: 5.20 min Scan# 316
Delta R.T. 0.07 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:112 Resp: 4585

Ion	Ratio	Lower	Upper
112	100		
64	45.9	42.2	63.2
63	0.0	21.8	32.8#

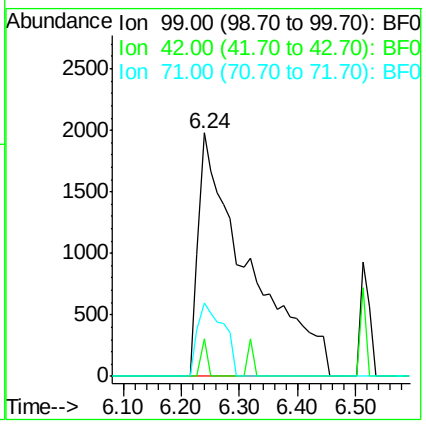




#7
Phenol-d6
Concen: 1.78 ng m
RT: 6.24 min Scan# 407
Delta R.T. 0.01 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion: 99 Resp: 11761

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	30.1	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
TP-6DL

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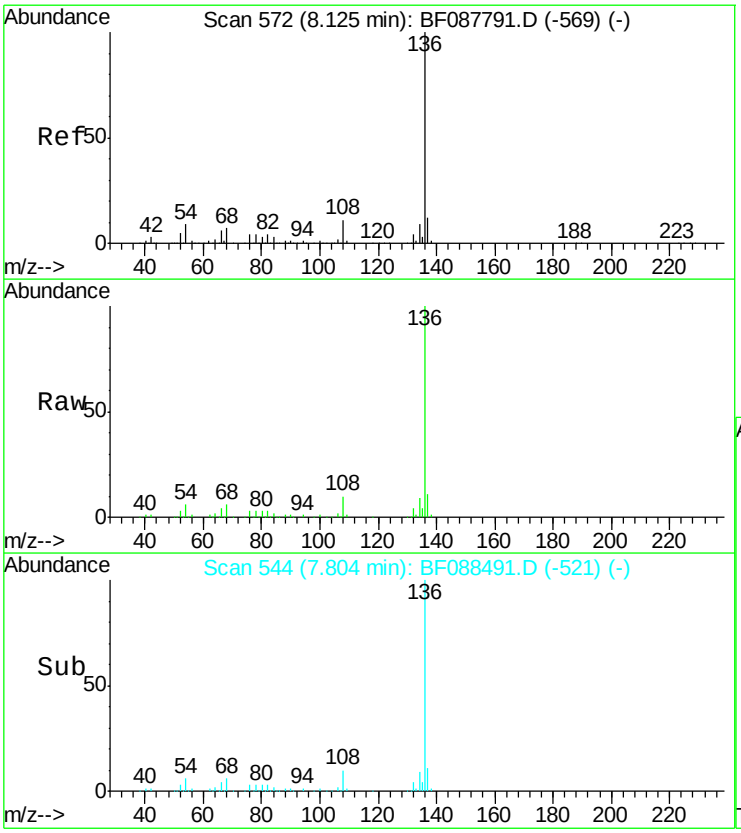
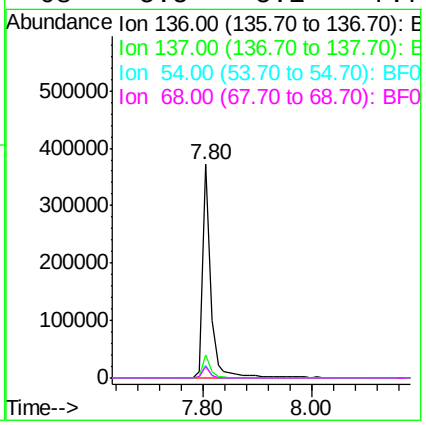
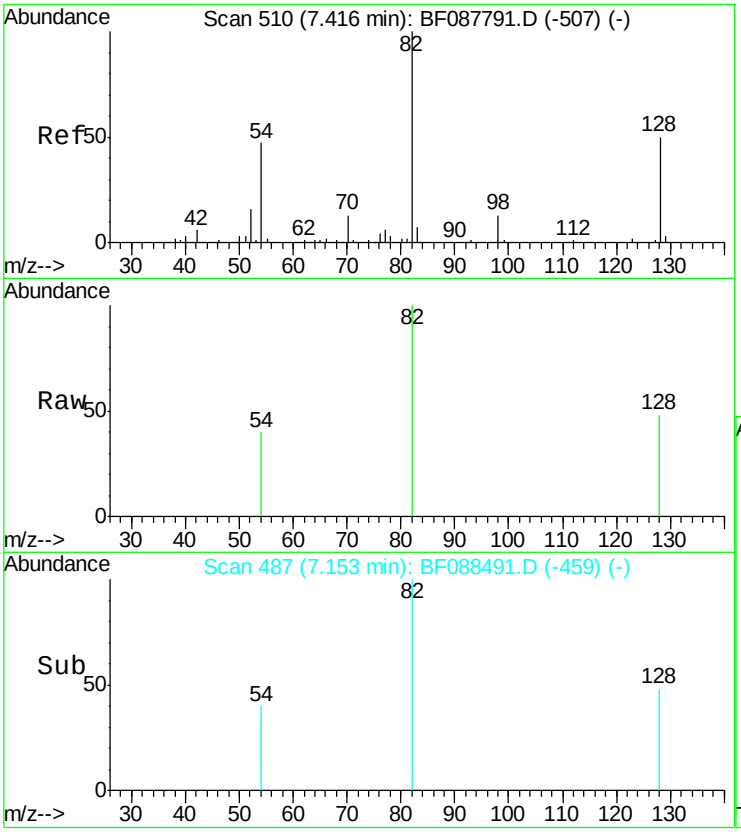


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:136 Resp: 387675

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.3	6.6	10.0#
68	5.5	5.1	7.7

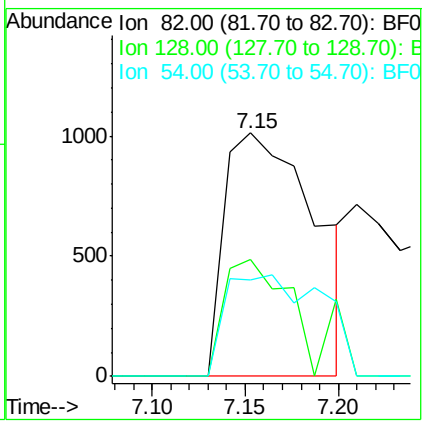




#23
Nitrobenzene-d5
Concen: 0.52 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion: 82 Resp: 3427

Ion	Ratio	Lower	Upper
82	100		
128	47.9	35.9	53.9
54	39.7	40.9	61.3#



Instrument :
BNA_F
ClientSampleId :
TP-6DL

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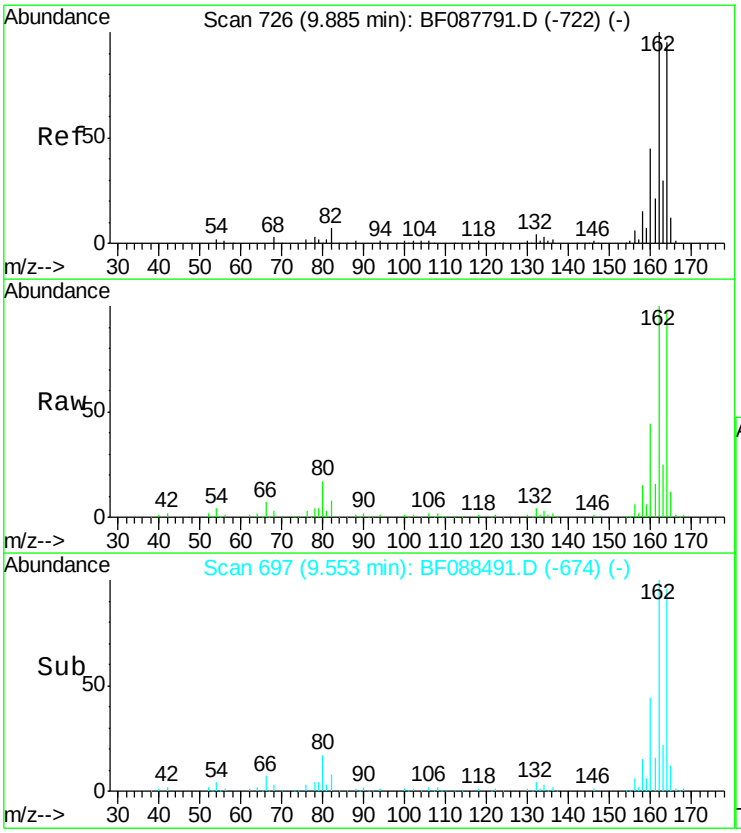
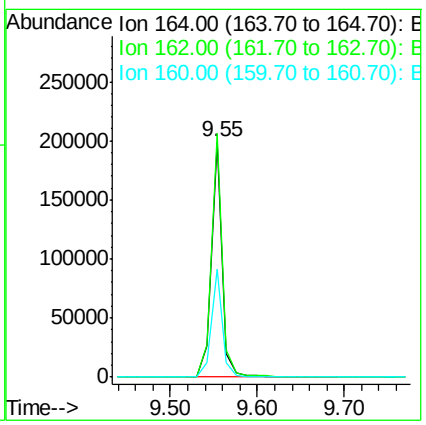
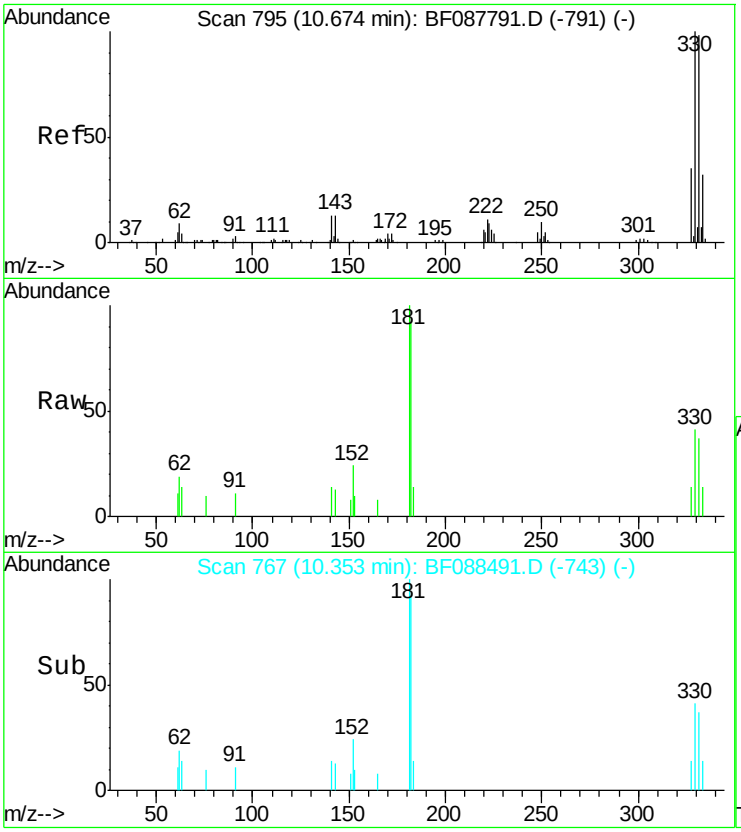


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:164 Resp: 175361

Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.4	128.2
160	45.9	39.5	59.3





#41
2,4,6-Tribromophenol
Concen: 1.21 ng
RT: 10.35 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:330 Resp: 2247

Ion	Ratio	Lower	Upper
330	100		
332	88.3	0.0	0.0#
141	28.9	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
TP-6DL

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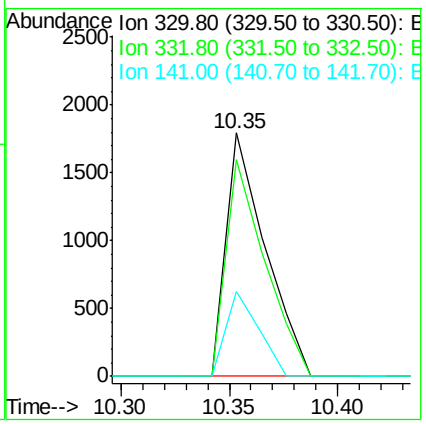
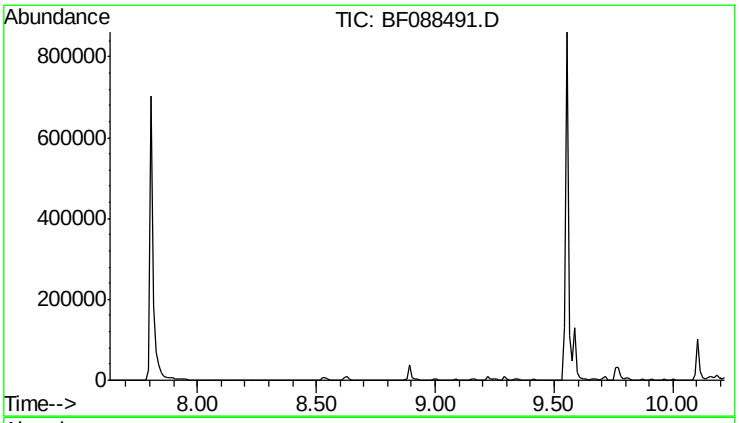


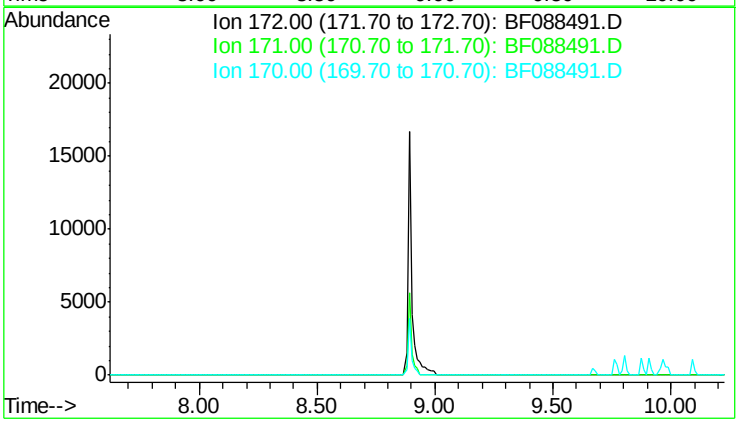


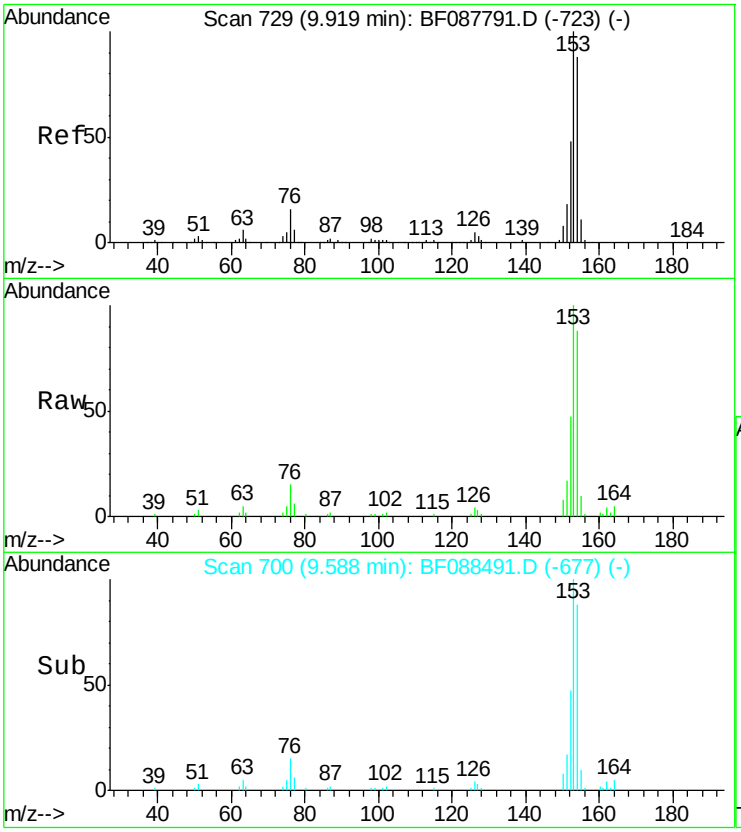
#44
2-Fluorobiphenyl
Concen: 0.00 ng
Expected RT: 8.92 min

Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.8
170	24.0

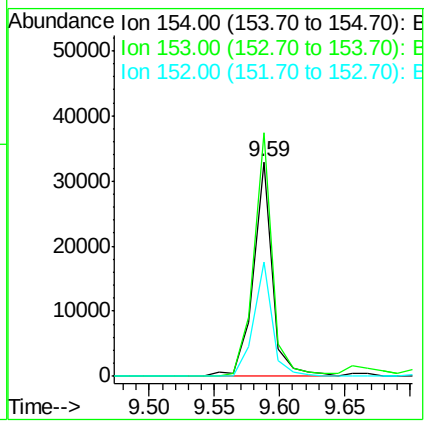




#51
Acenaphthene
Concen: 2.97 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:154 Resp: 33474

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.5	134.3
152	53.2	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
TP-6DL

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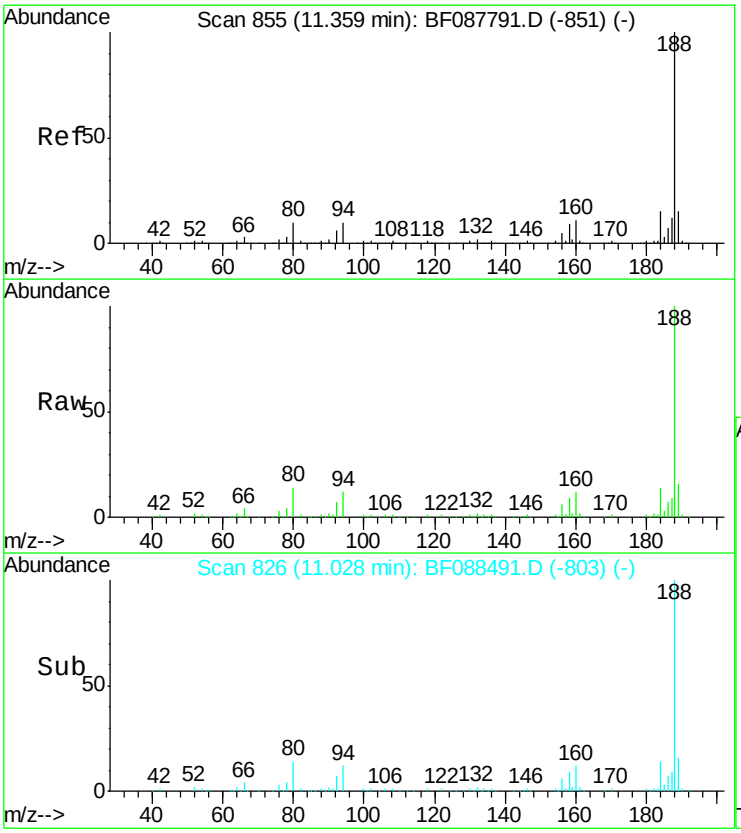
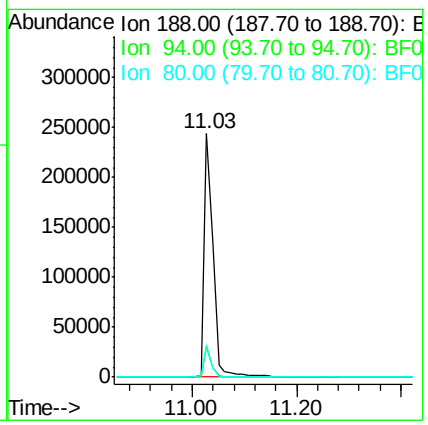
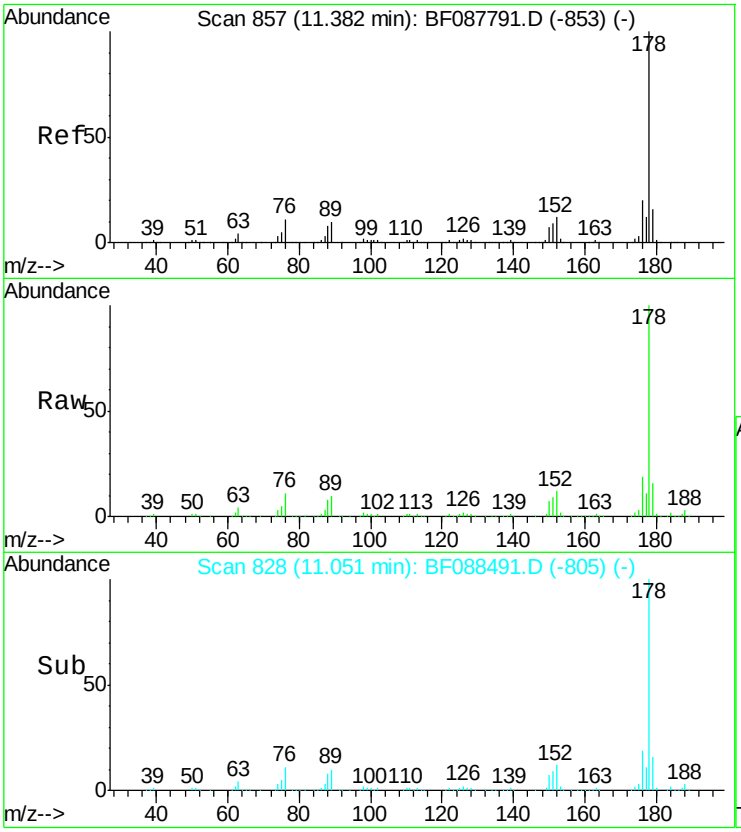


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:188 Resp: 290327

Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.0	13.6
80	13.5	10.0	15.0

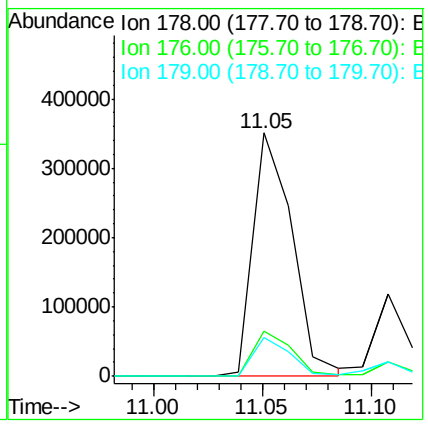




#70
Phenanthrene
Concen: 29.05 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:178 Resp: 442635

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.7	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
TP-6DL

Manual Integrations APPROVED
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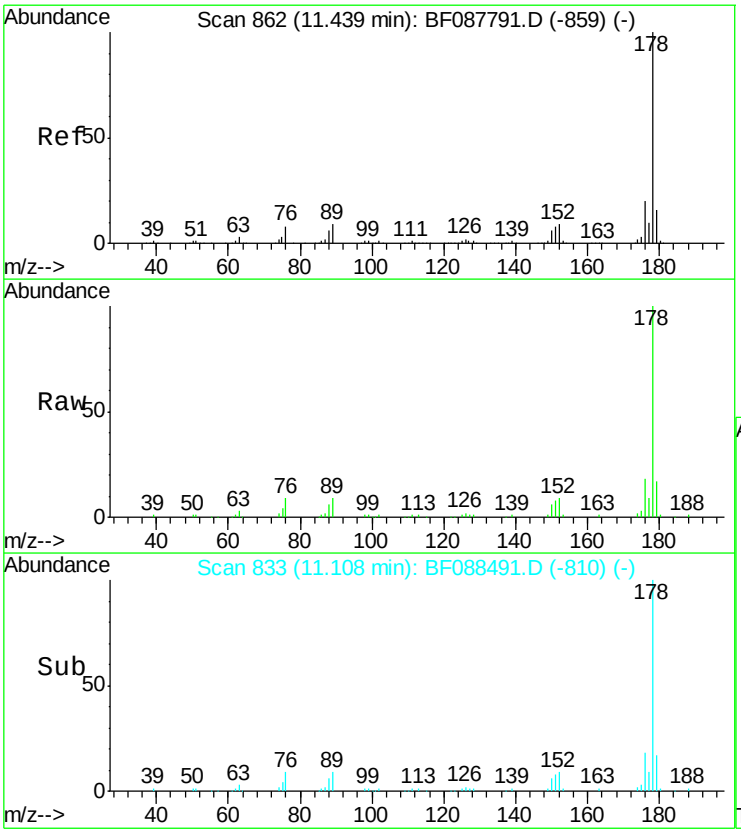
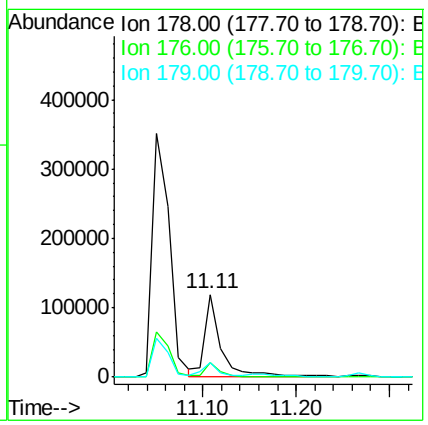
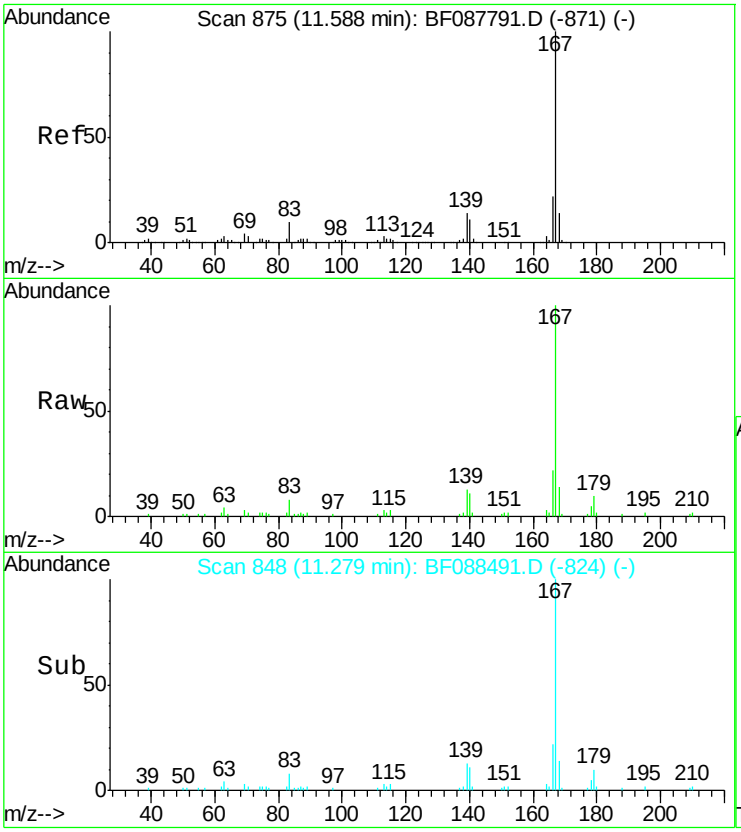


#71
Anthracene
Concen: 9.44 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:178 Resp: 145035

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	17.1	12.8	19.2

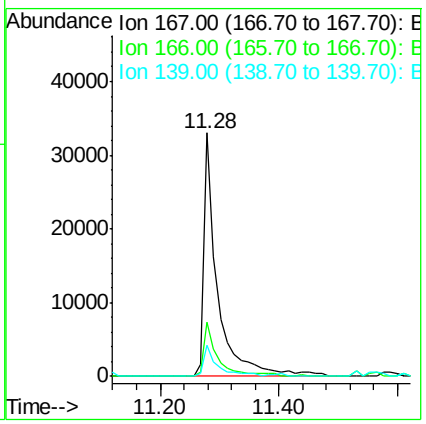




#72
Carbazole
Concen: 3.74 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:167 Resp: 53741

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.6
139	13.0	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
TP-6DL

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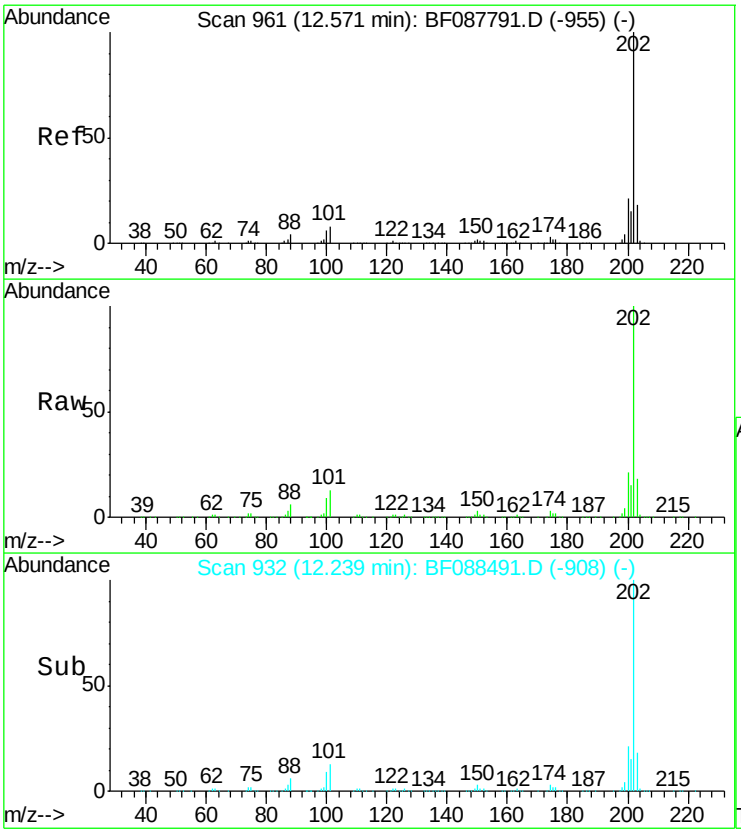
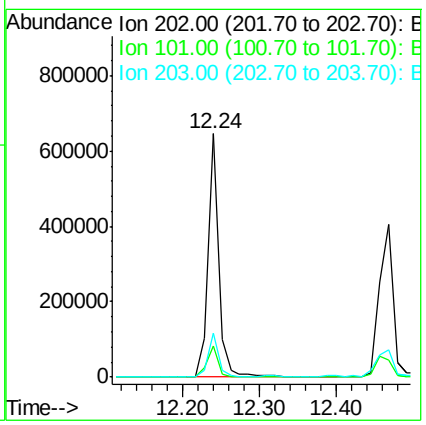
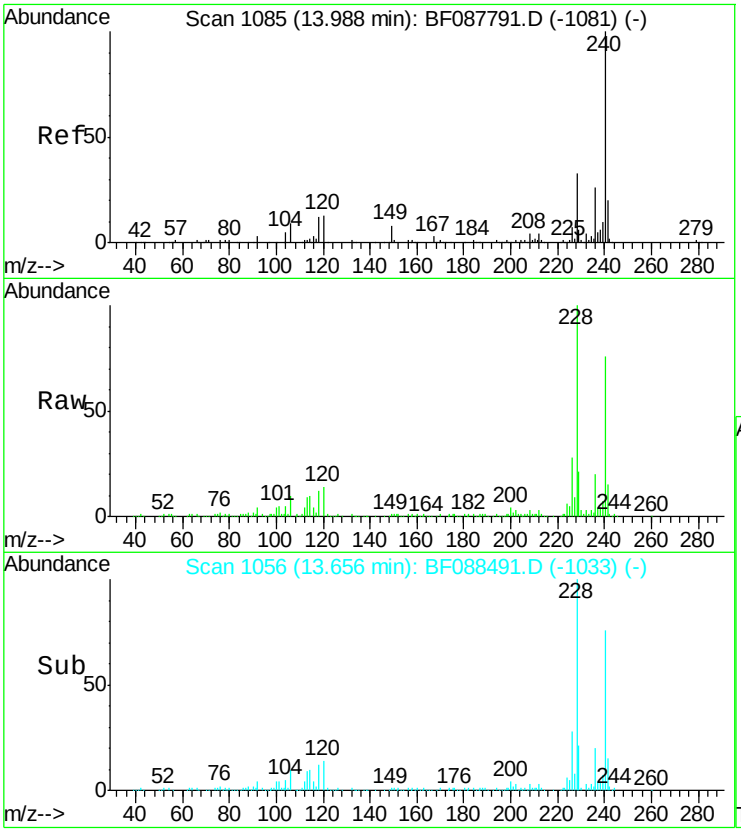


#74
Fluoranthene
Concen: 38.50 ng
RT: 12.24 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:202 Resp: 619037

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.1
203	17.8	0.0	38.1

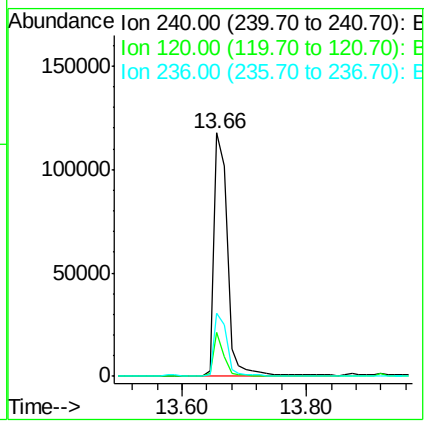




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:240 Resp: 175976

Ion	Ratio	Lower	Upper
240	100		
120	17.9	6.8	10.2#
236	25.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
TP-6DL

Manual Integrations APPROVED
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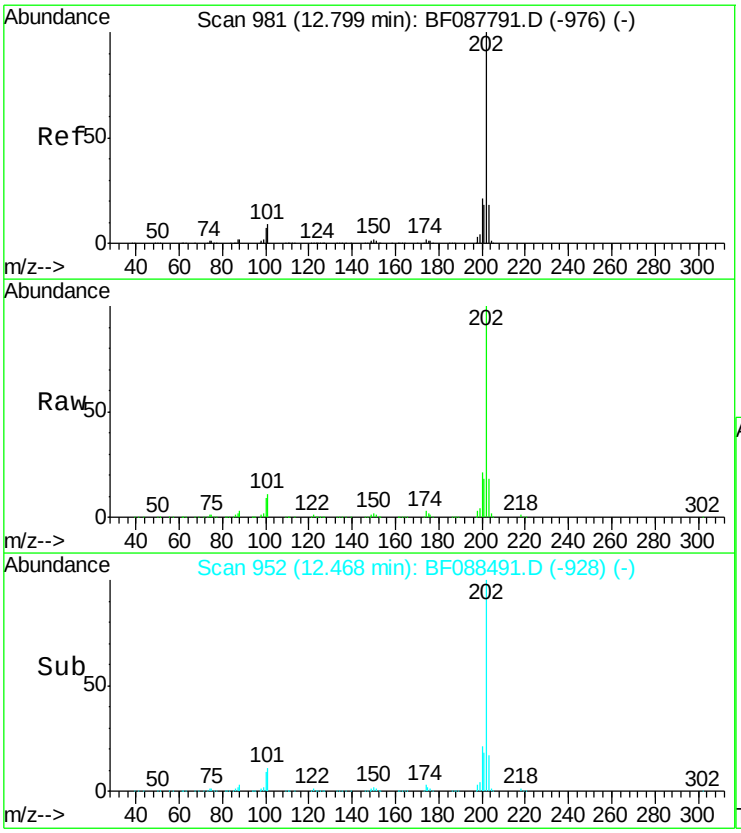
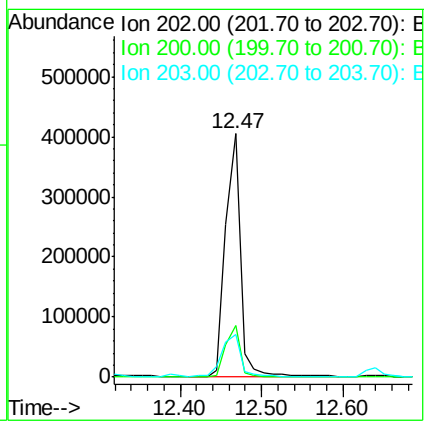
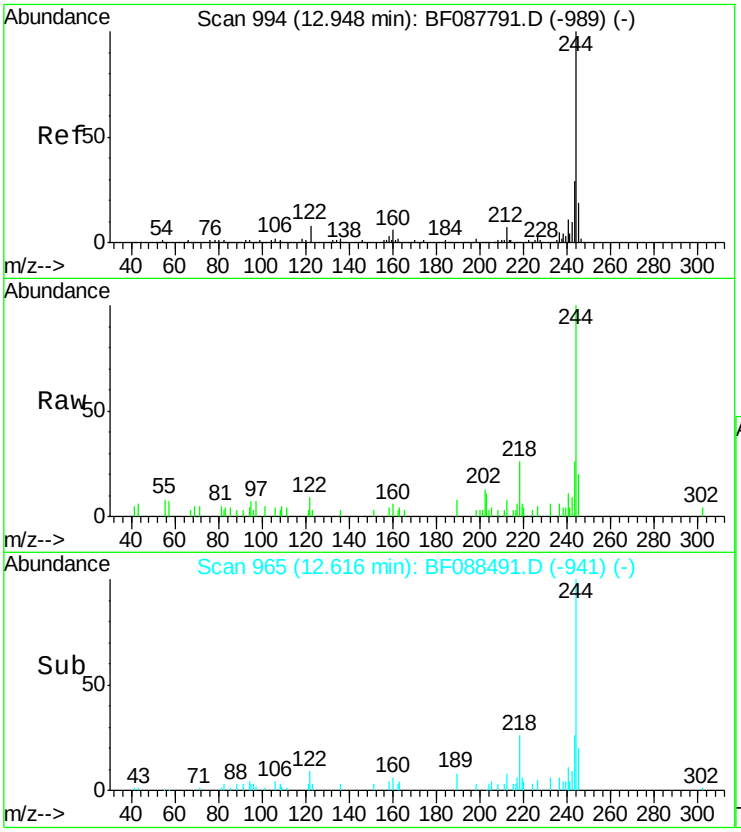


#77
Pyrene
Concen: 38.64 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:202 Resp: 504565

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.6	14.5	21.7

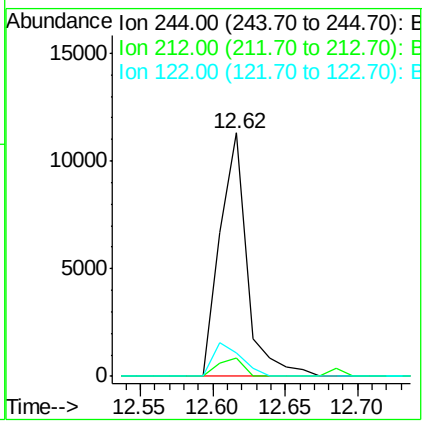




#78
Terphenyl-d14
Concen: 1.90 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:244 Resp: 14702

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	9.5	11.2	16.8#



Instrument :
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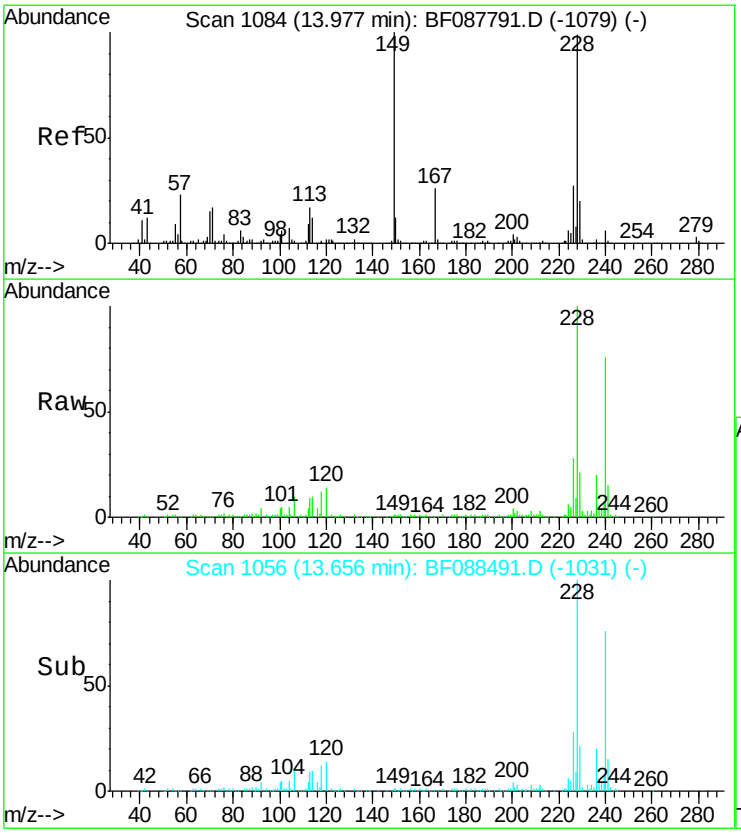
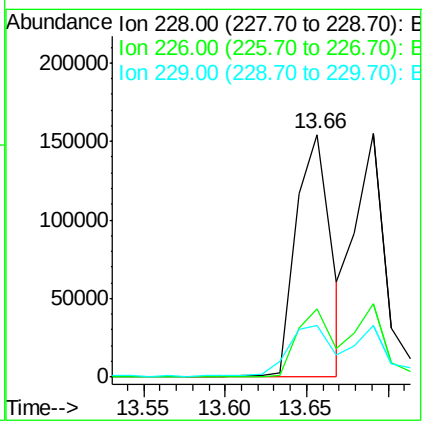
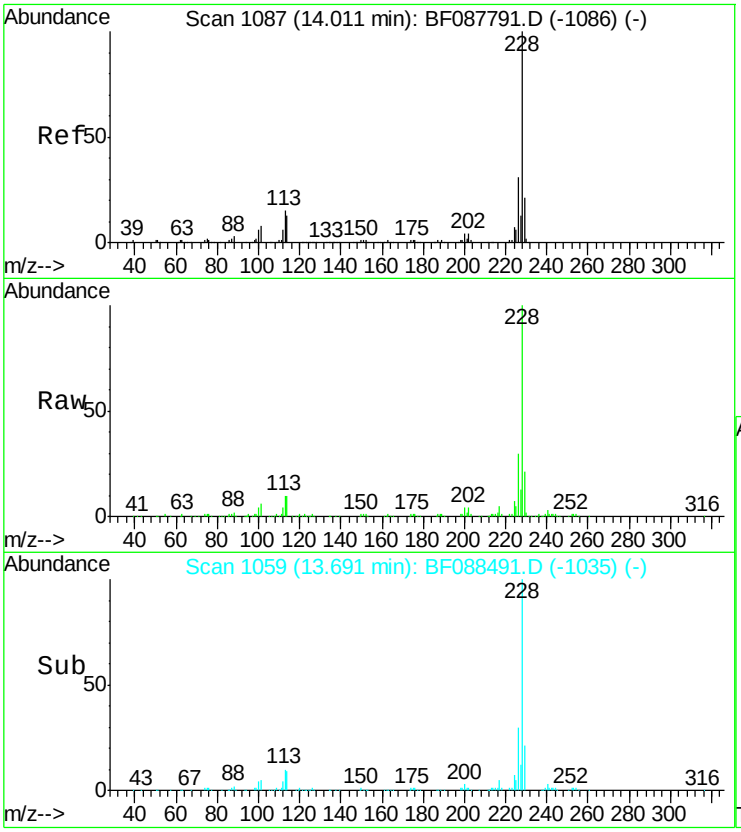


#80
Benzo(a)anthracene
Concen: 23.05 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:228 Resp: 231132

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.3	33.5
229	21.1	16.0	24.0

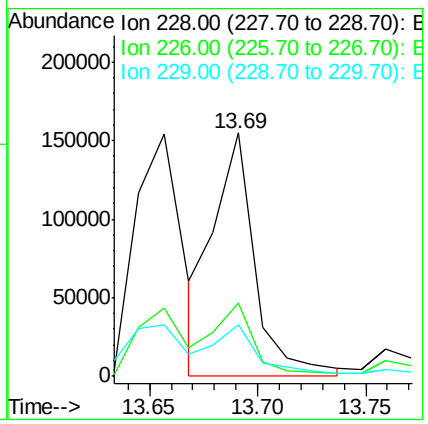




#82
Chrysene
Concen: 21.94 ng m
RT: 13.69 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:228 Resp: 206955

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.2
229	21.2	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
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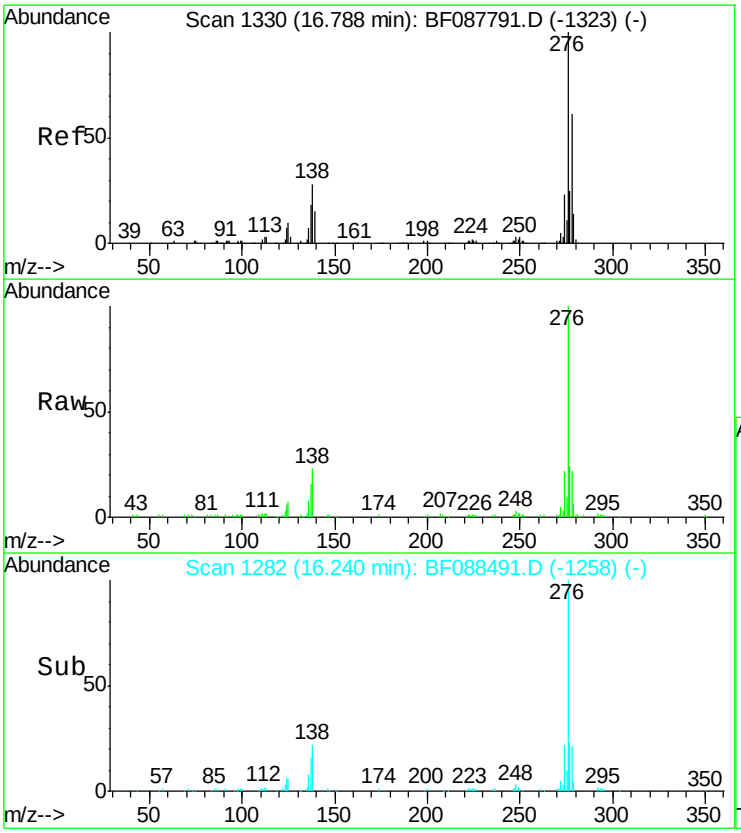
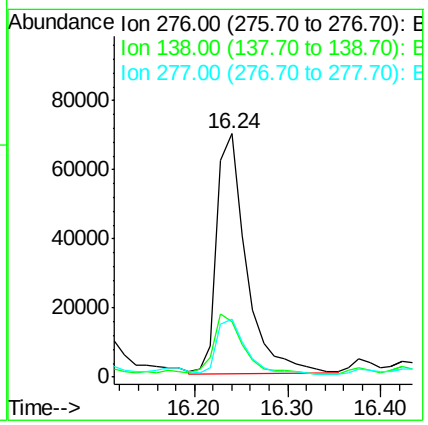
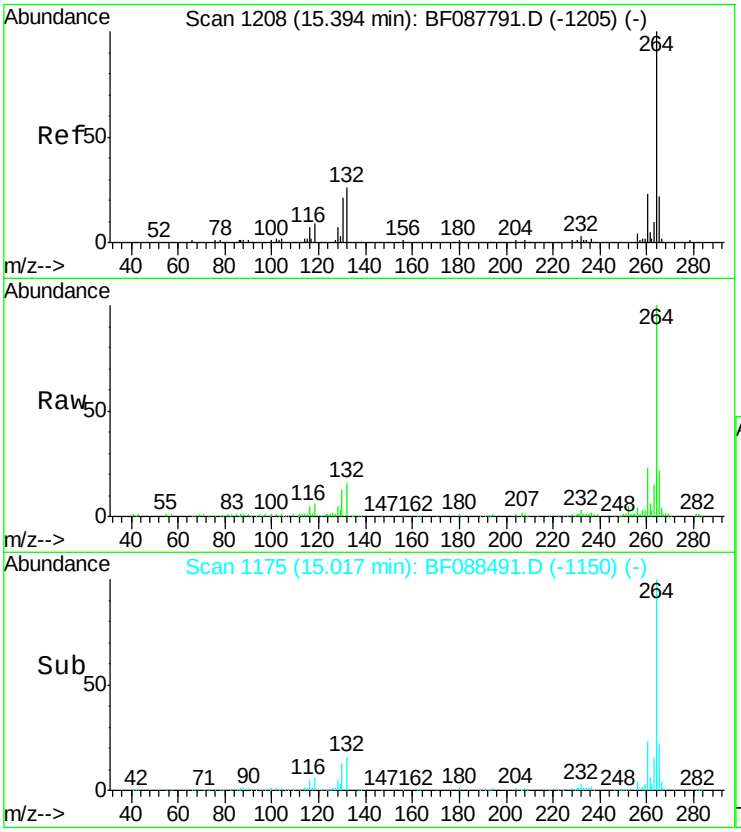


#85
Indeno(1,2,3-cd)pyrene
Concen: 17.62 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:276 Resp: 154409

Ion	Ratio	Lower	Upper
276	100		
138	28.2	0.0	0.0#
277	22.5	0.0	0.0#

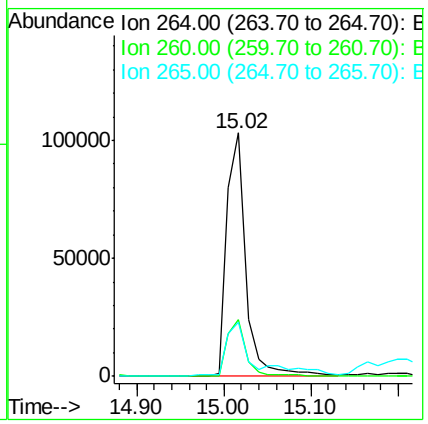




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:264 Resp: 158807

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.2	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
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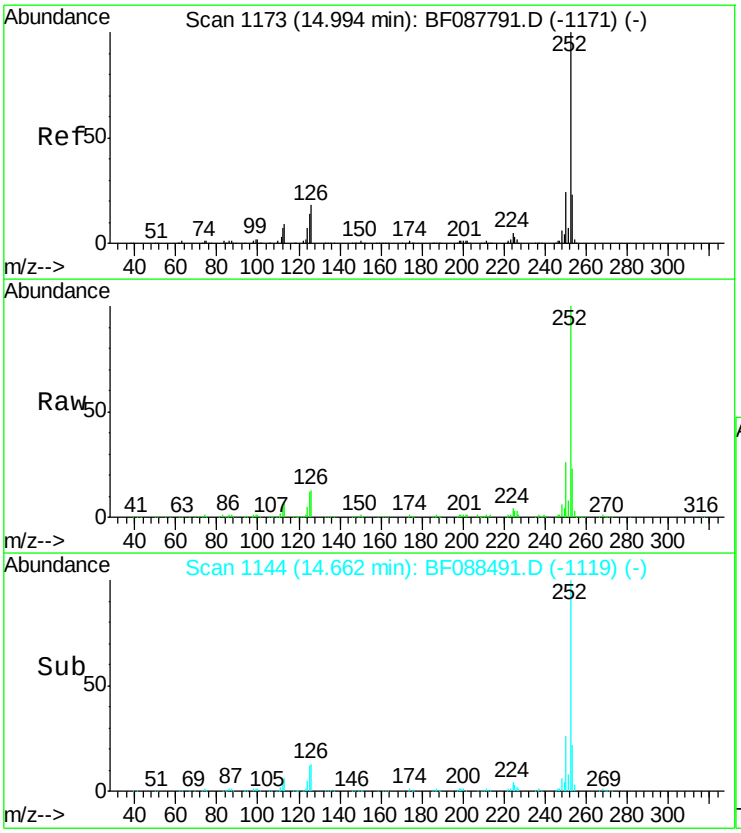
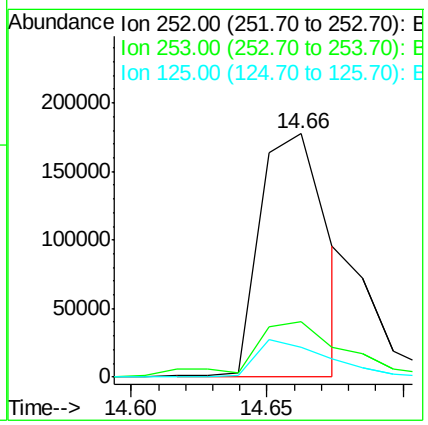
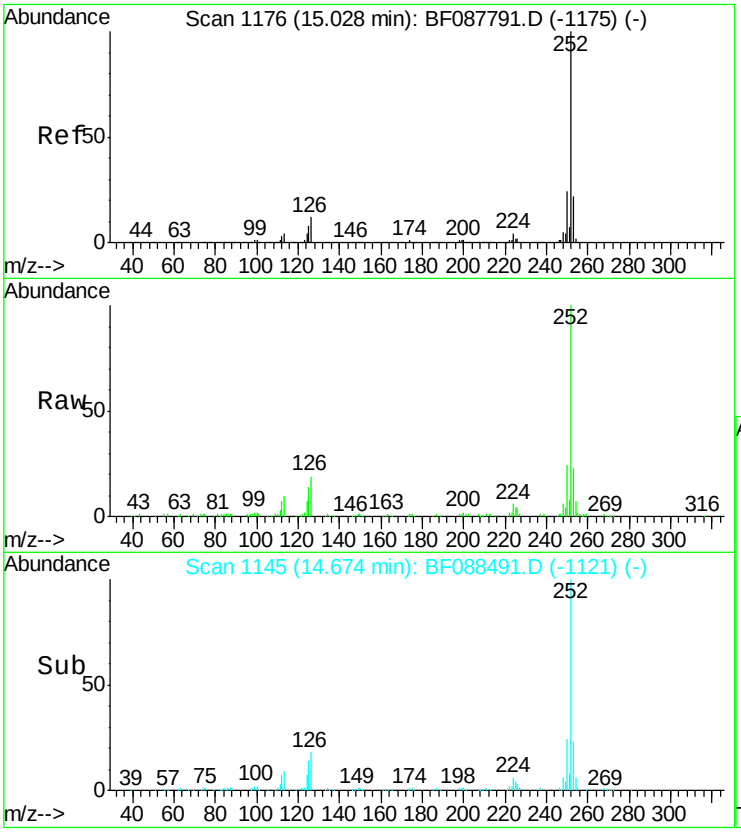


#87
Benzo(b)fluoranthene
Concen: 27.37 ng m
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:252 Resp: 302962

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.3	7.1	10.7#

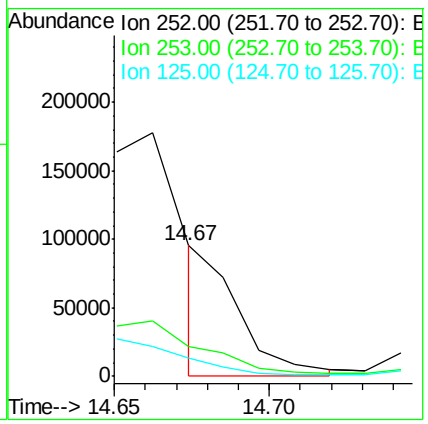




#88
Benzo(k)fluoranthene
Concen: 8.62 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:252 Resp: 72006

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.1	11.2	16.8



Instrument :
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ClientSampleId :
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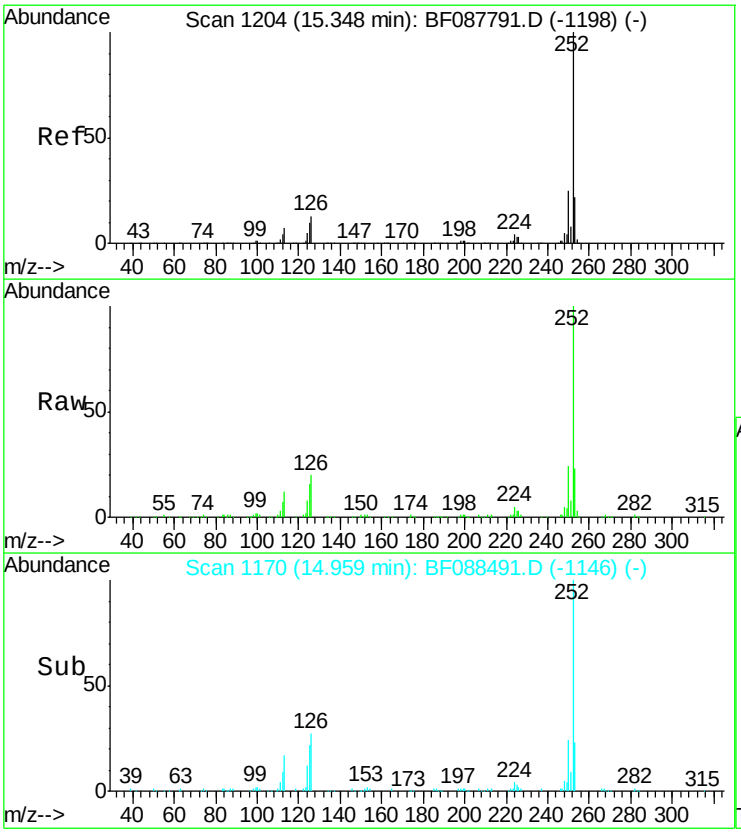
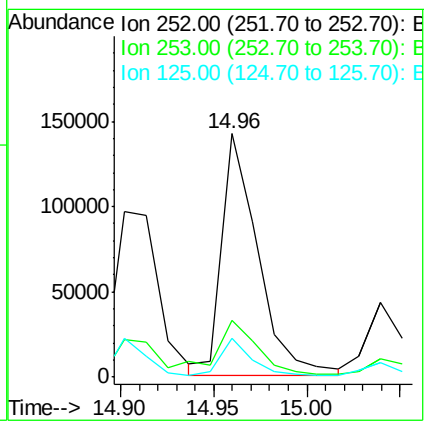
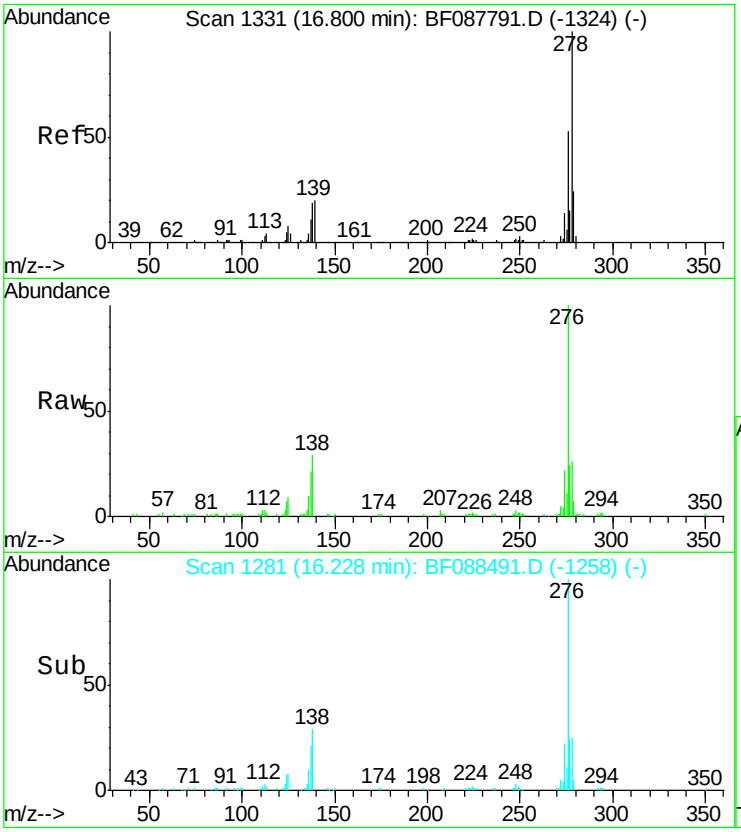


#89
Benzo(a)pyrene
Concen: 21.45 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:252 Resp: 192088

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.8	12.5	18.7

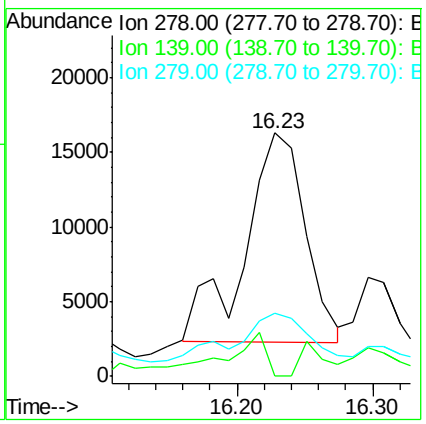




#90
Dibenzo(a,h)anthracene
Concen: 5.22 ng m
RT: 16.23 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:278 Resp: 43429

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	25.7	19.4	29.2



Instrument :
BNA_F
ClientSampleId :
TP-6DL

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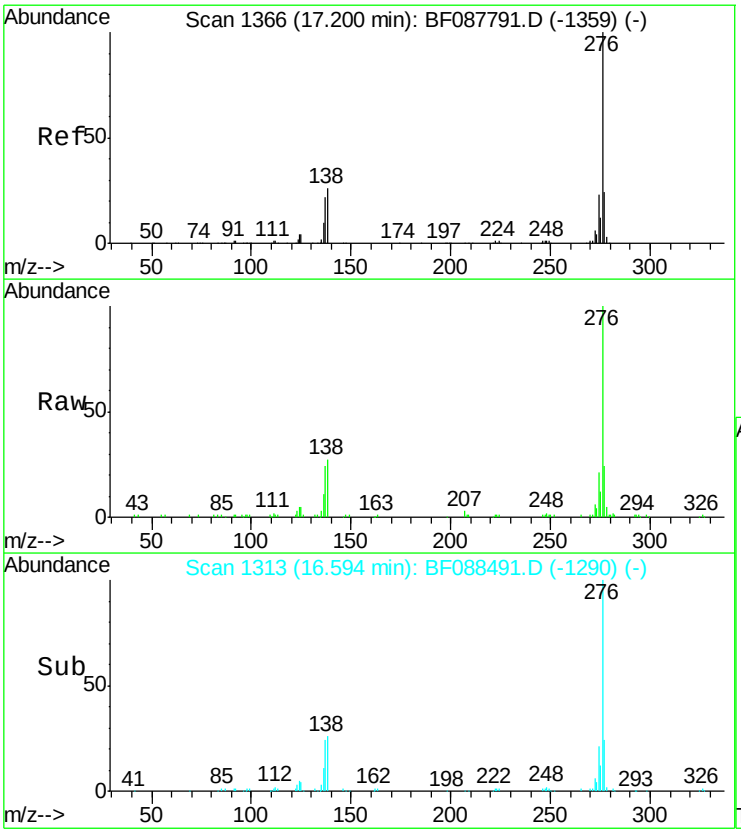

#91
Benzo(g,h,i)perylene
Concen: 17.84 ng
RT: 16.59 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF088491.D
Acq: 28 Jun 2016 21:05

Tgt Ion:276 Resp: 152667

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	26.9	21.4	32.2