Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088487.D
Acq On : 28 Jun 2016 19:09
Operator : UM/SJ
Sample : H3663-06RE 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-4RE

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Quant Time: Jun 29 05:38:07 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	115406	20.00	ng		-0.03
21) Naphthalene-d8	7.80	136	494400	20.00	ng		-0.03
38) Acenaphthene-d10	9.55	164	221340	20.00	ng		-0.03
63) Phenanthrene-d10	11.04	188	366448	20.00	ng		-0.02
75) Chrysene-d12	13.67	240	218757	20.00	ng		-0.02
86) Perylene-d12	15.02	264	211525	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.11	112	138011	20.44	ng		-0.02
7) Phenol-d6	6.19	99	194124	23.73	ng		-0.03
23) Nitrobenzene-d5	7.10	82	122675	14.49	ng		-0.03
41) 2,4,6-Tribromophenol	10.34	330	39185	16.77	ng		-0.03
44) 2-Fluorobiphenyl	8.89	172	259499	13.78	ng		-0.03
78) Terphenyl-d14	12.62	244	173204	18.02	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	7.83	128	352040	14.39	ng		98
37) 2-Methylnaphthalene	8.52	142	61368	3.81	ng		98
49) Dimethylphthalate	9.29	163	48664	3.04	ng		100
51) Acenaphthene	9.59	154	214787	15.11	ng		98
54) Dibenzofuran	9.76	168	121641	6.21	ng	#	89
57) Fluorene	10.10	166	130328	5.63	ng		98
70) Phenanthrene	11.06	178	1154777	60.05	ng		99
71) Anthracene	11.11	178	364978	18.82	ng		95
72) Carbazole	11.28	167	216235	11.91	ng		98
74) Fluoranthene	12.25	202	1438206	70.87	ng		97
77) Pyrene	12.47	202	1173414	72.28	ng		98
80) Benzo(a)anthracene	13.66	228	669620	53.72	ng		98
82) Chrysene	13.69	228	511607	43.62	ng		97
85) Indeno(1,2,3-cd)pyrene	16.25	276	424497	38.96	ng	#	100
87) Benzo(b)fluoranthene	14.66	252	700175m	47.49	ng		
88) Benzo(k)fluoranthene	14.67	252	347020m	31.20	ng		
89) Benzo(a)pyrene	14.97	252	586767	49.19	ng		97
90) Dibenzo(a,h)anthracene	16.24	278	94664m	8.54	ng		
91) Benzo(g,h,i)perylene	16.61	276	414043	36.33	ng		97

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

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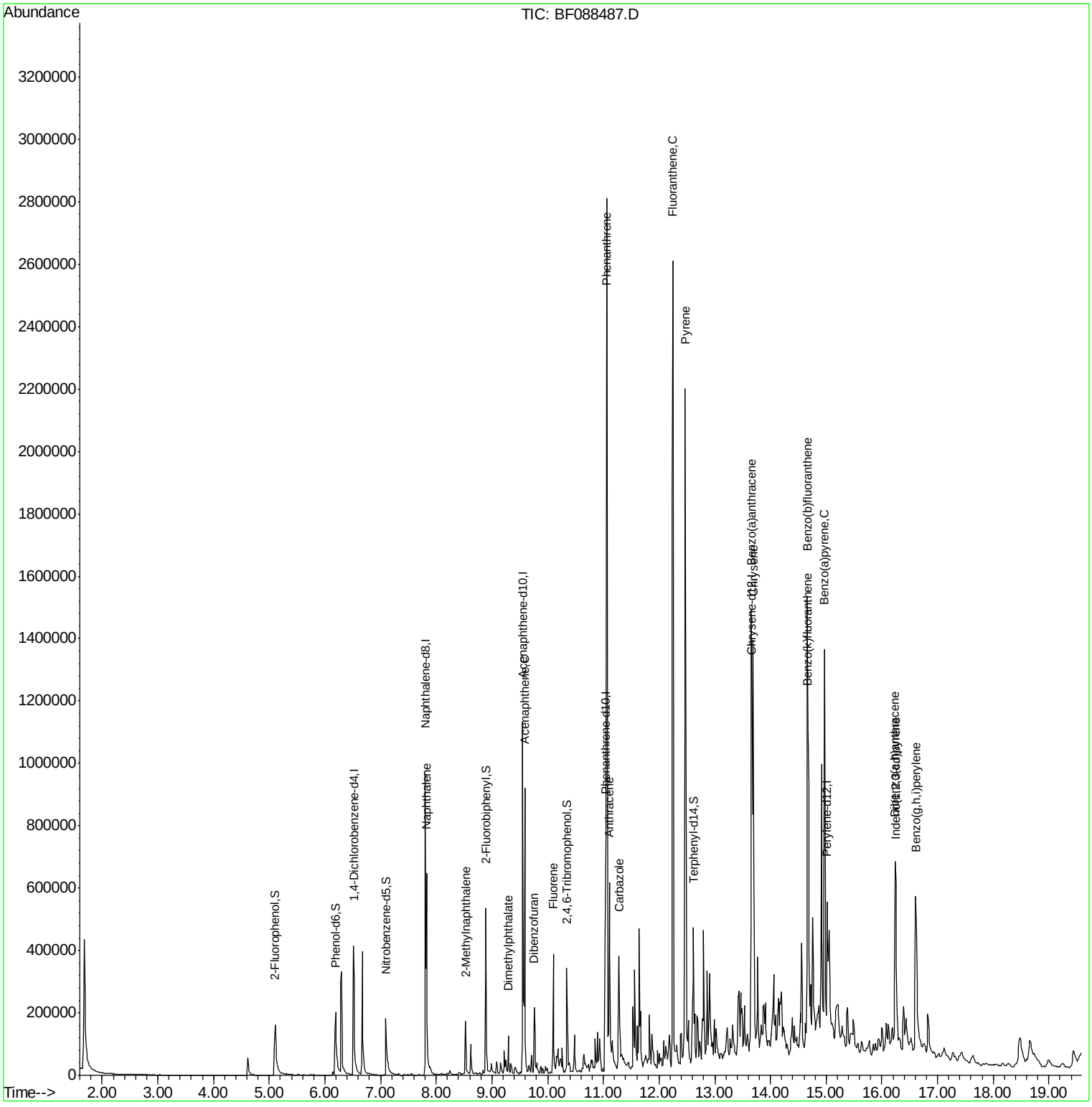
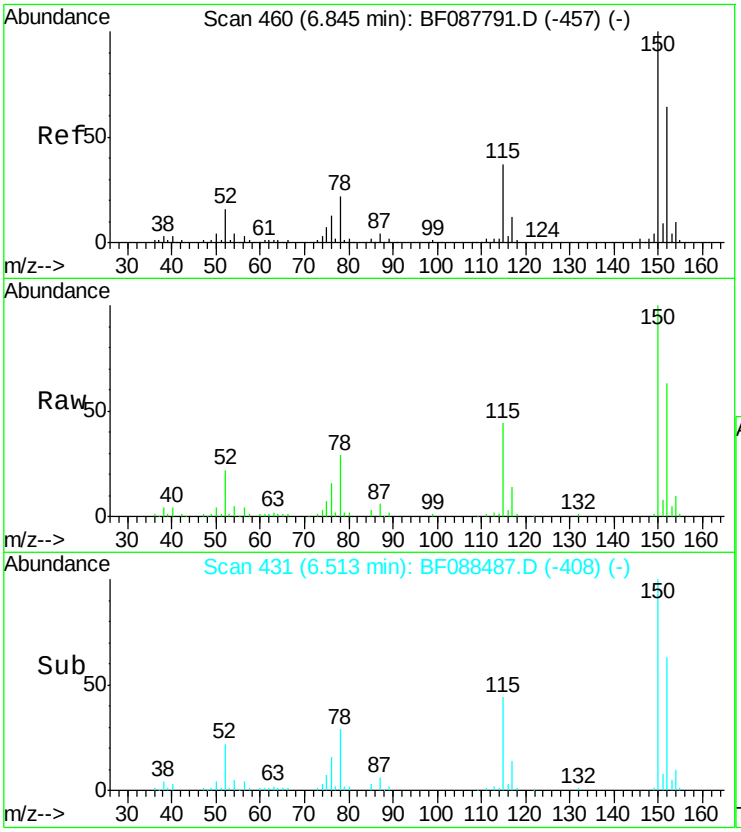
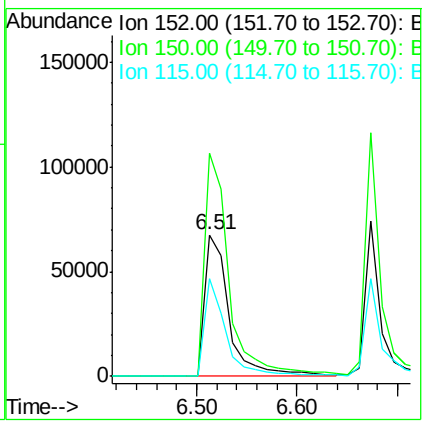




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:152 Resp: 115406

Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	68.9	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
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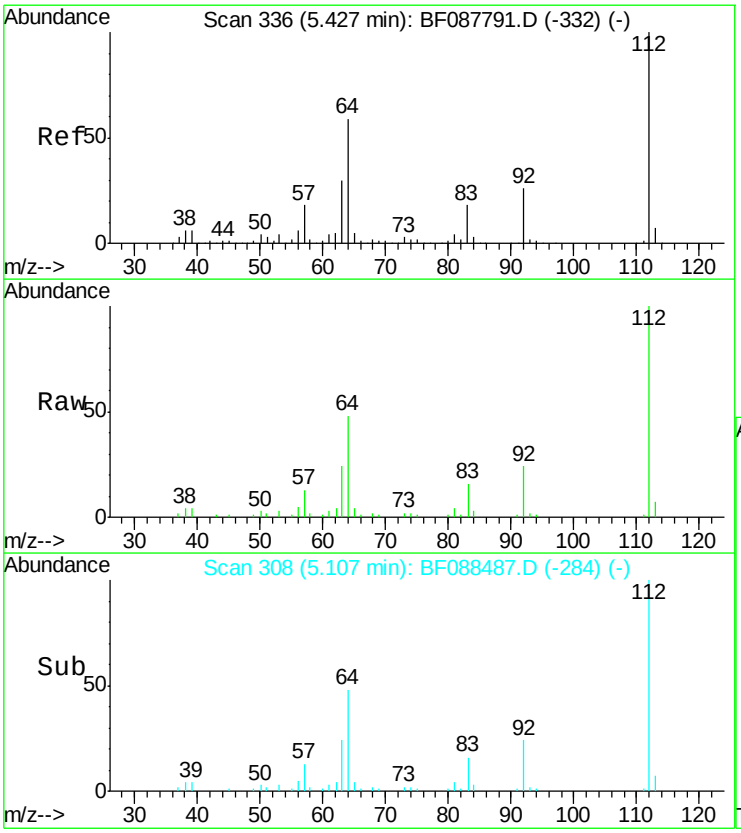
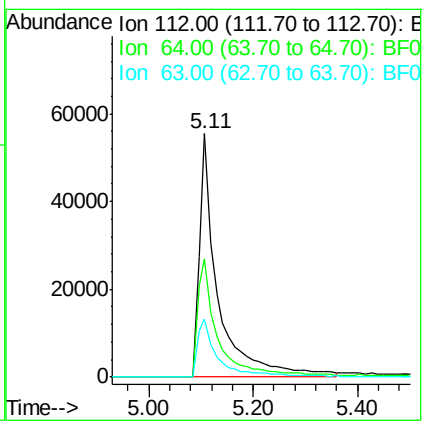
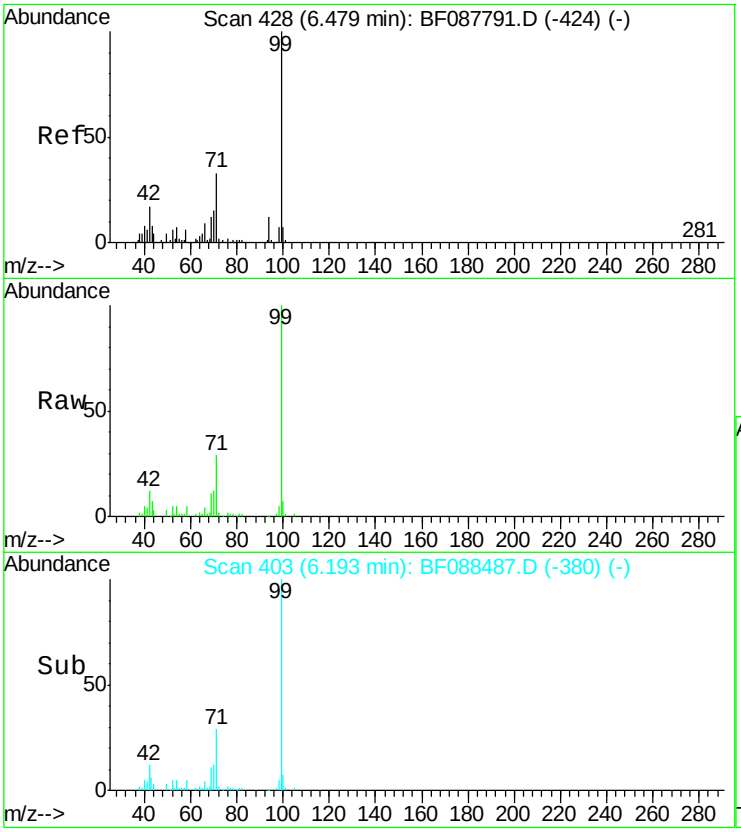


#5
2-Fluorophenol
Concen: 20.44 ng
RT: 5.11 min Scan# 308
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:112 Resp: 138011

Ion	Ratio	Lower	Upper
112	100		
64	48.4	42.2	63.2
63	23.8	21.8	32.8

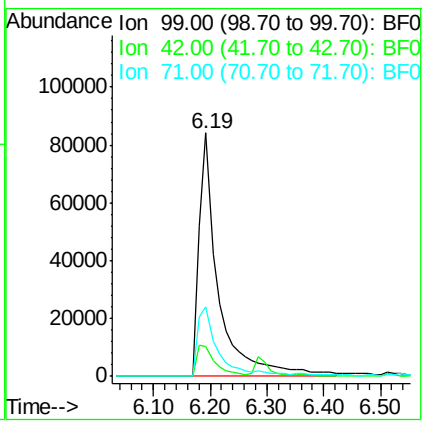




#7
Phenol-d6
Concen: 23.73 ng
RT: 6.19 min Scan# 403
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion: 99 Resp: 194124

Ion	Ratio	Lower	Upper
99	100		
42	12.4	12.2	18.2
71	28.6	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
SS-4RE

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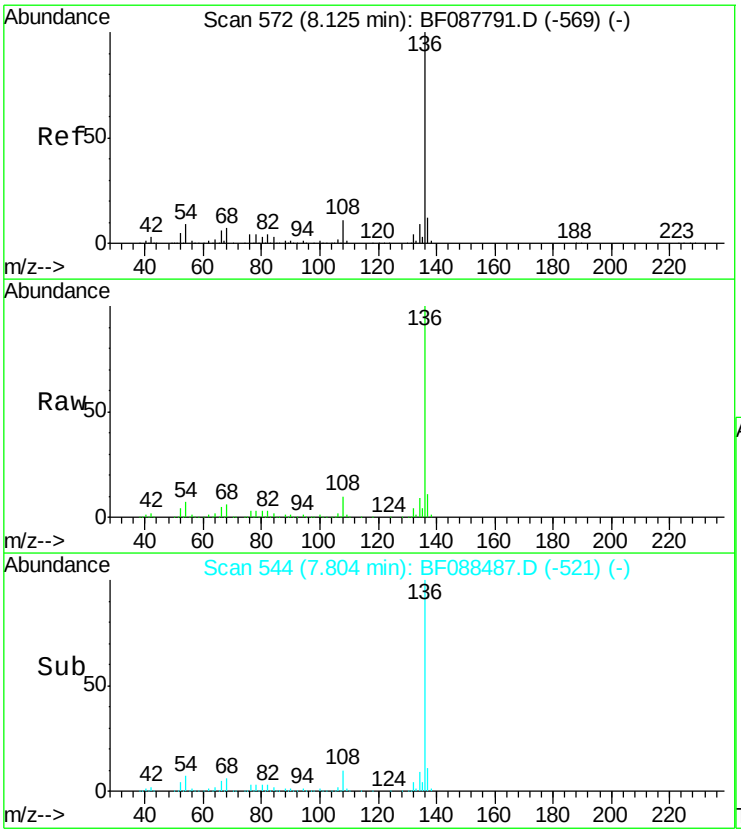
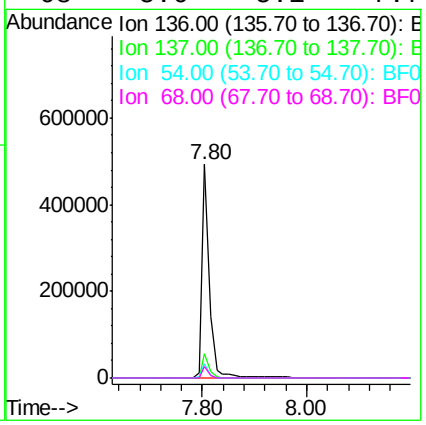
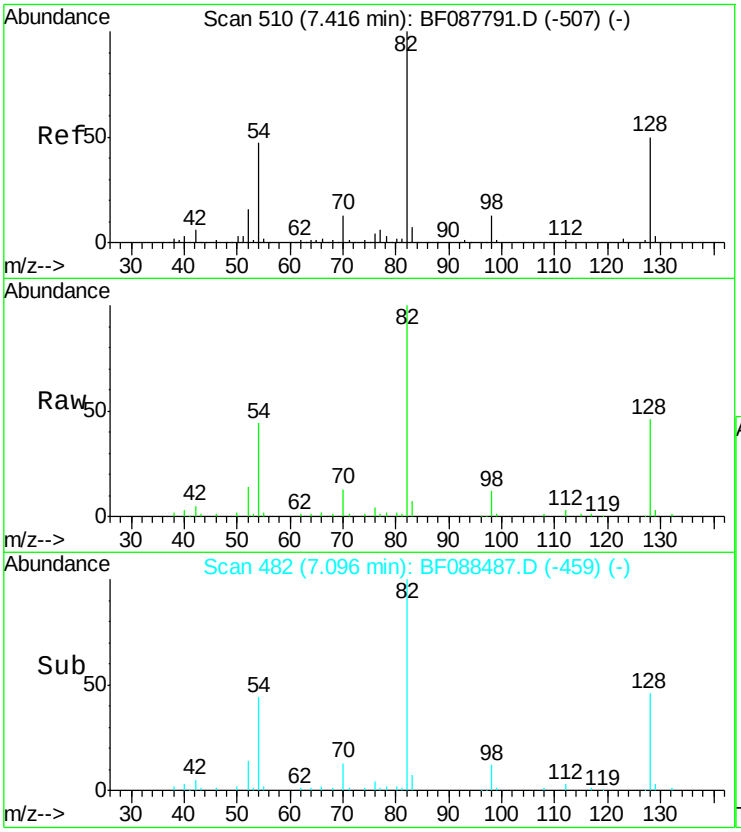


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:136 Resp: 494400

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.7	6.6	10.0
68	5.6	5.1	7.7

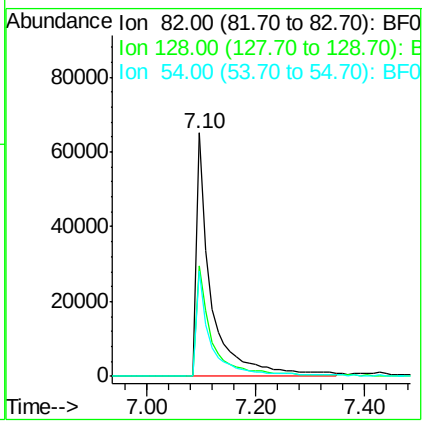




#23
Nitrobenzene-d5
Concen: 14.49 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion: 82 Resp: 122675

Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.9	53.9
54	43.5	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SS-4RE

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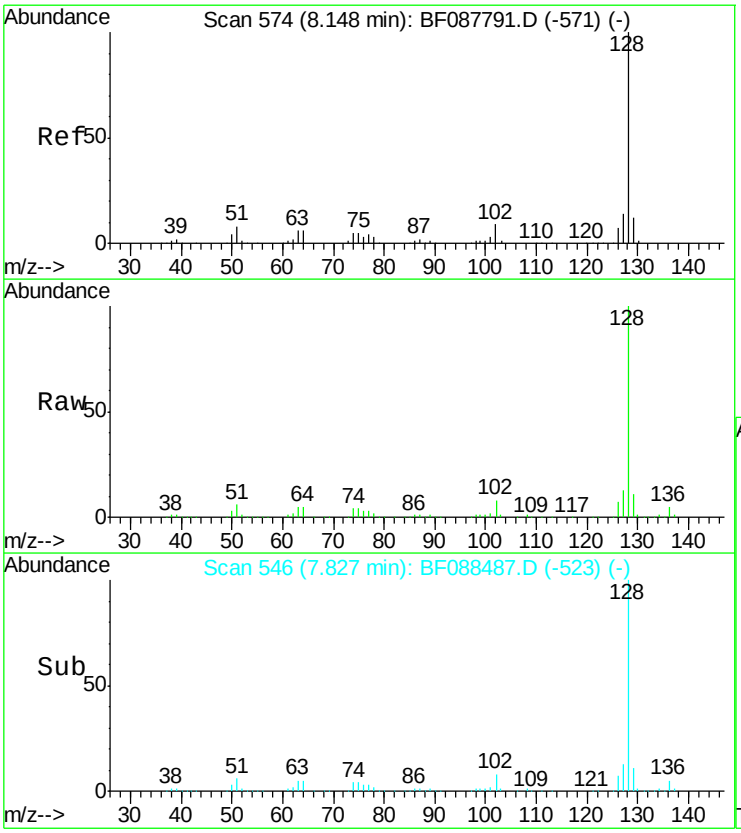
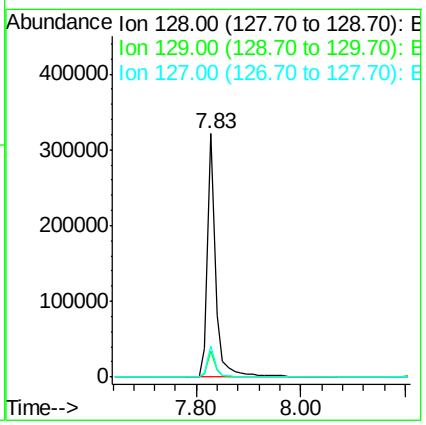
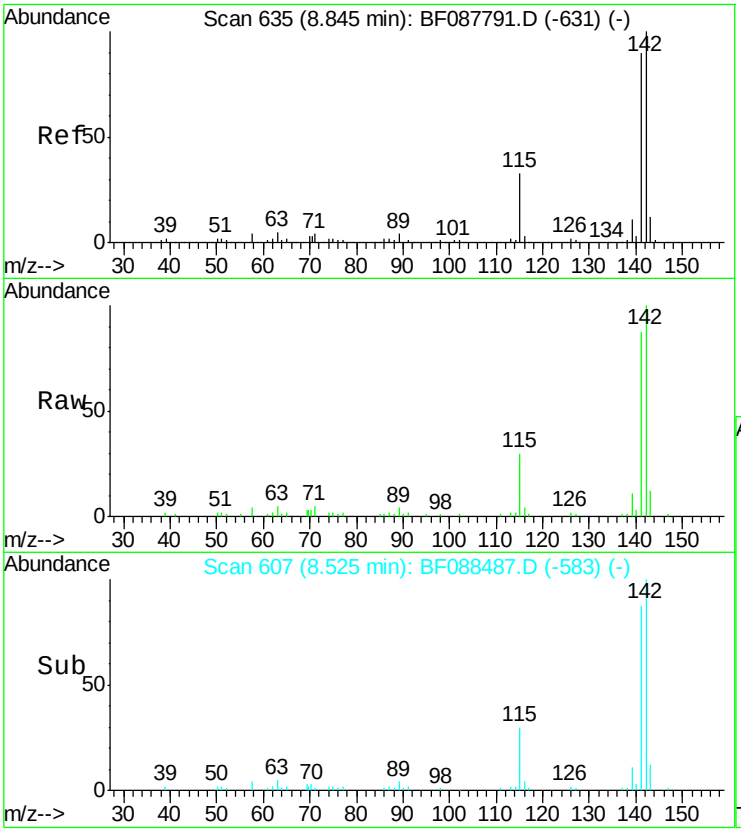


#31
Naphthalene
Concen: 14.39 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:128 Resp: 352040

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.2
127	13.0	10.9	16.3

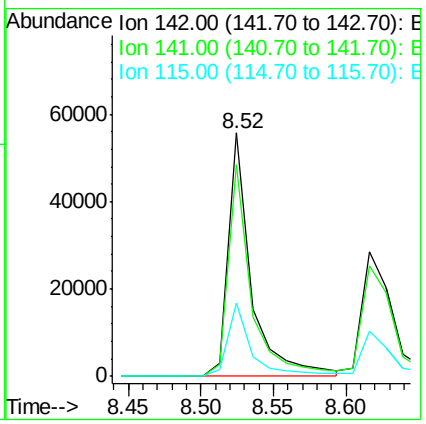




#37
2-Methylnaphthalene
Concen: 3.81 ng
RT: 8.52 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:142 Resp: 61368

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.0	106.6
115	30.1	22.6	33.8



Instrument :
BNA_F
ClientSampleId :
SS-4RE

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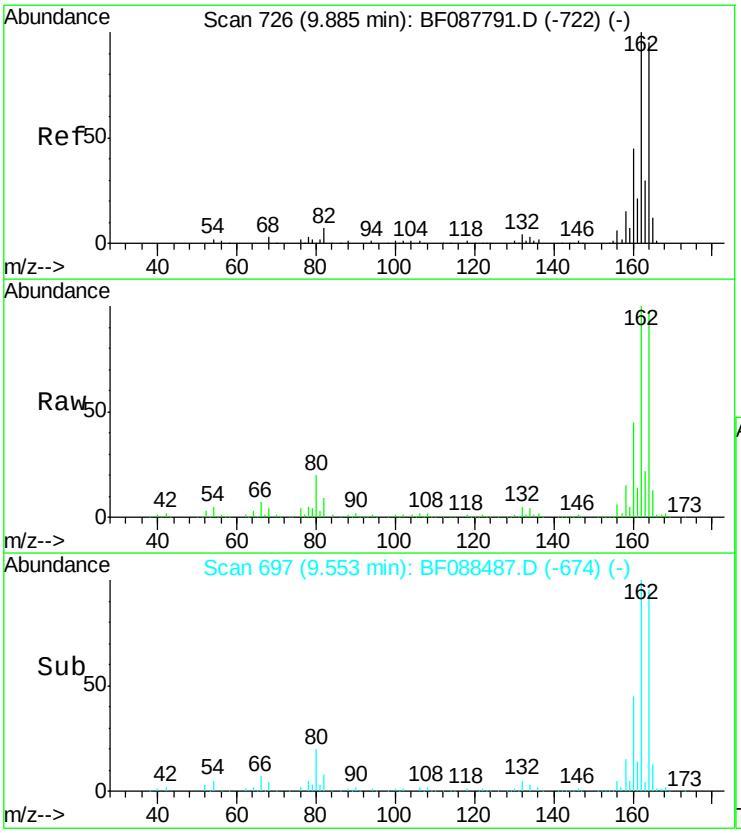
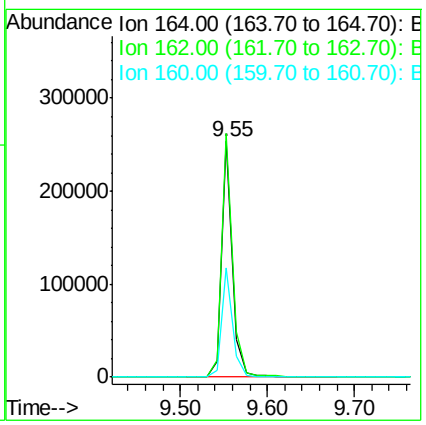
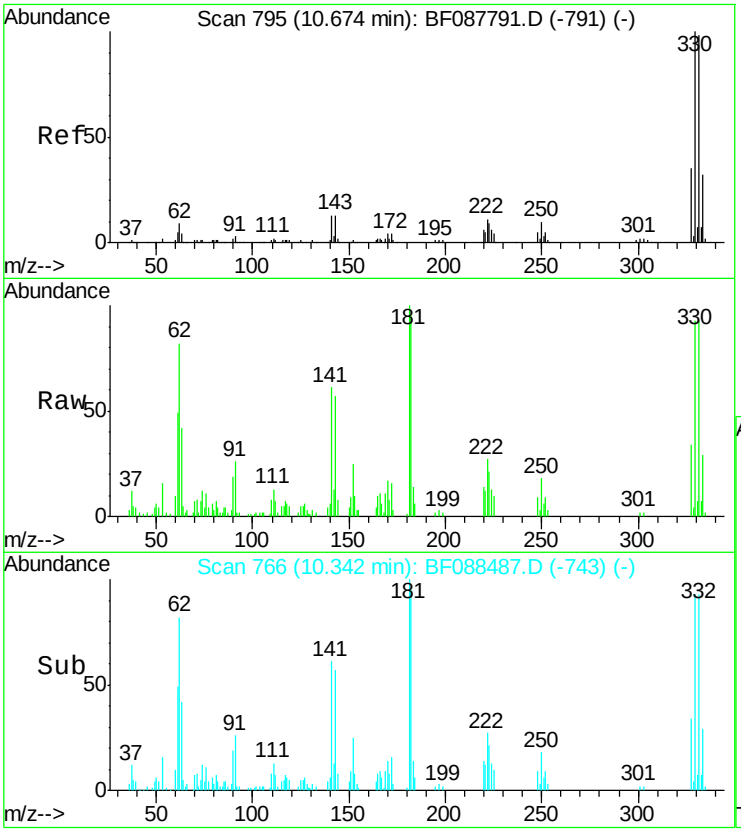


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:164 Resp: 221340

Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.4	128.2
160	46.5	39.5	59.3

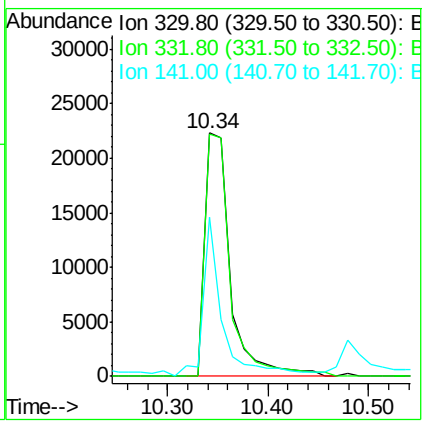




#41
2,4,6-Tribromophenol
Concen: 16.77 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:330 Resp: 39185

Ion	Ratio	Lower	Upper
330	100		
332	99.7	0.0	0.0#
141	48.6	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SS-4RE

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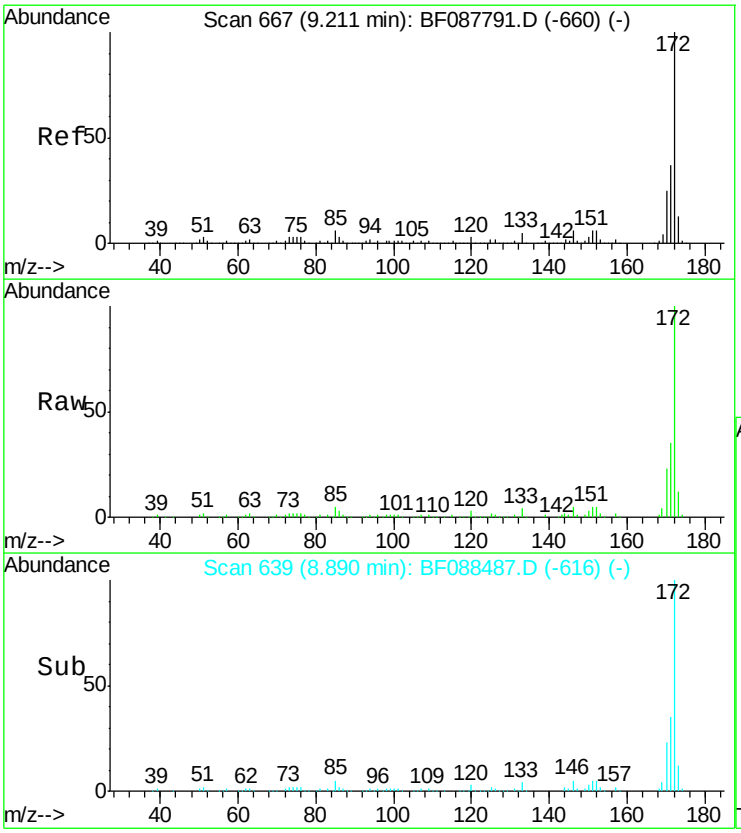
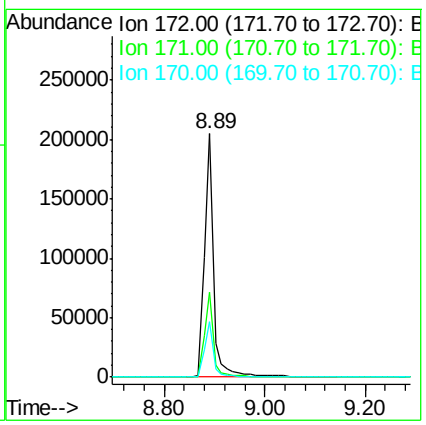
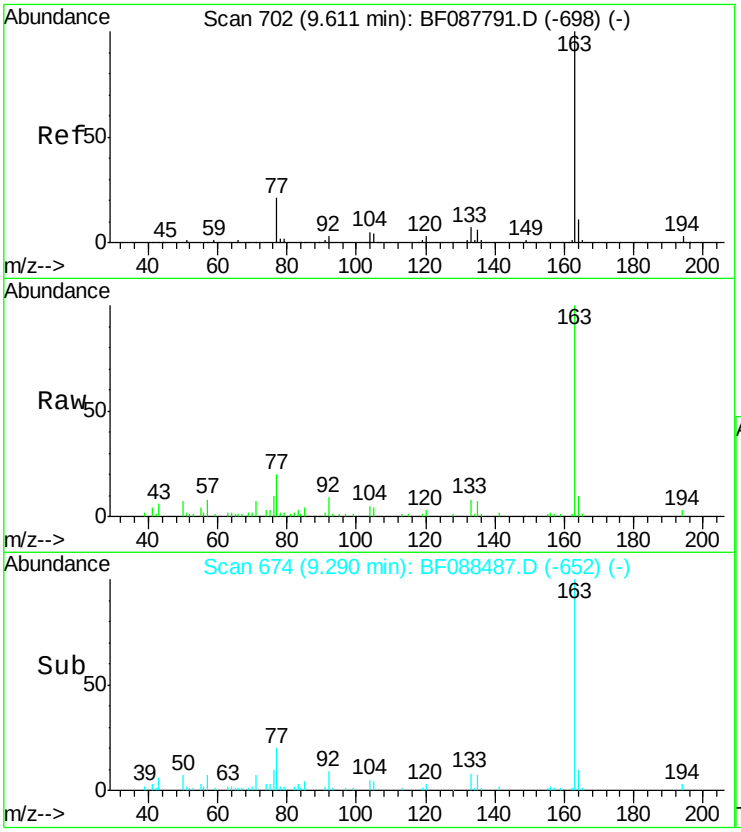


#44
2-Fluorobiphenyl
Concen: 13.78 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:172 Resp: 259499

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	22.7	19.2	28.8

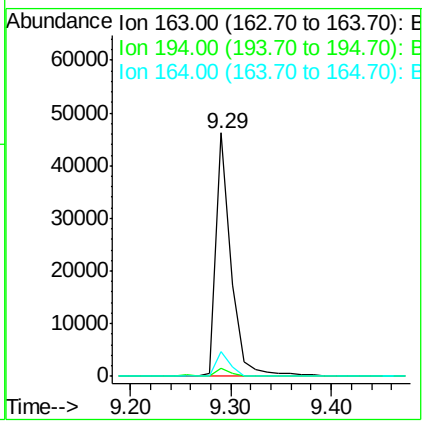




#49
Dimethylphthalate
Concen: 3.04 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:163 Resp: 48664

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.3	8.3	12.5



Instrument :
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ClientSampleId :
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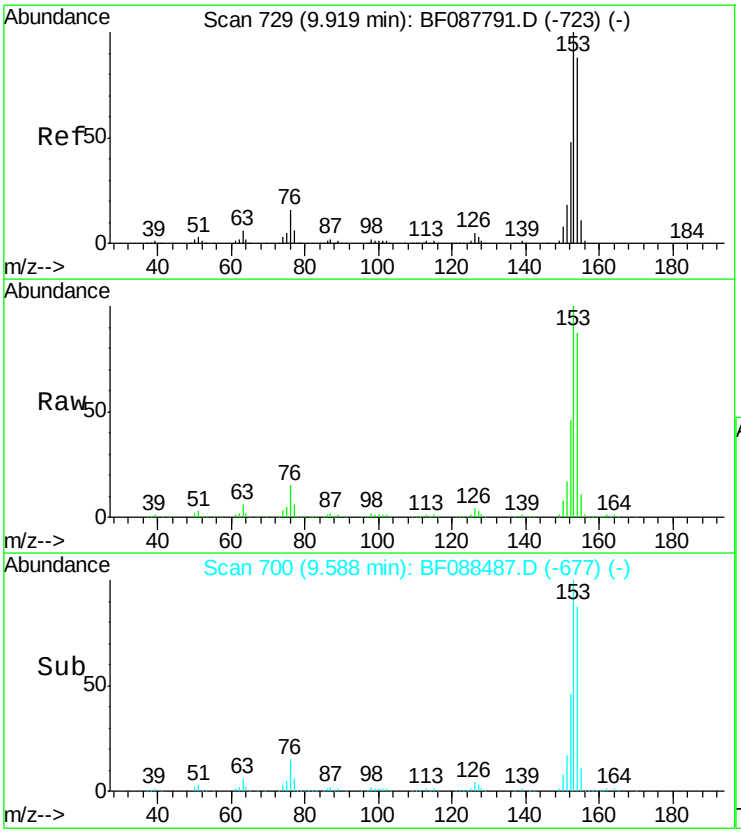
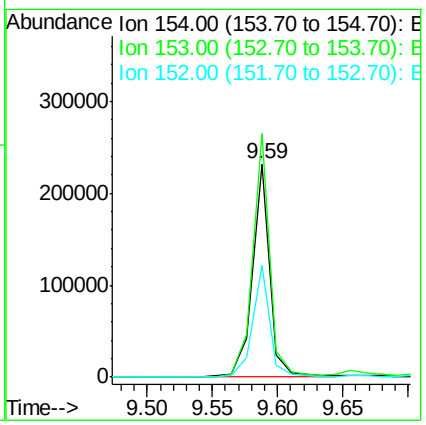
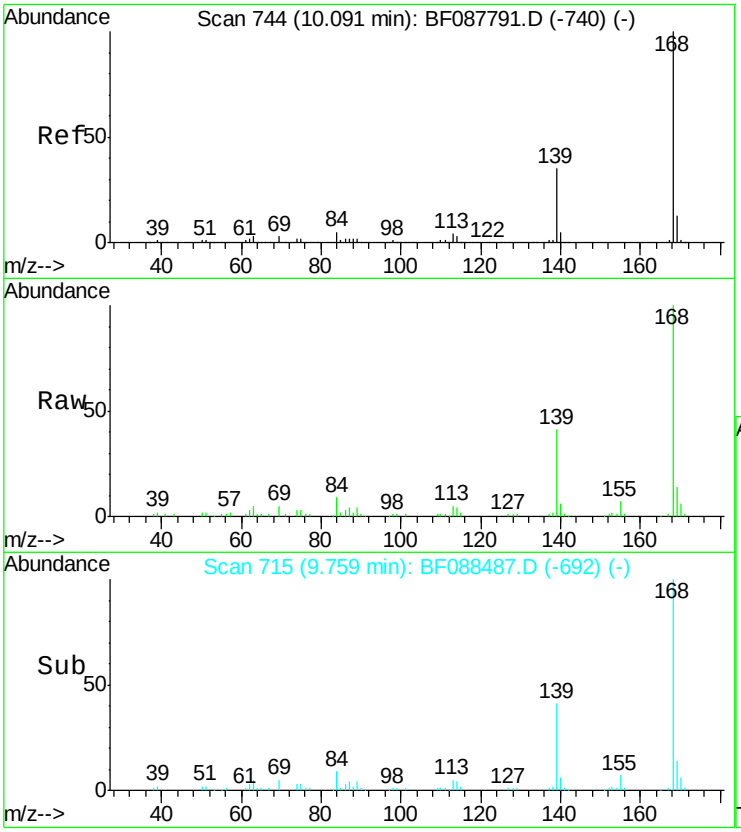


#51
Acenaphthene
Concen: 15.11 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:154 Resp: 214787

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.5	134.3
152	52.8	42.7	64.1

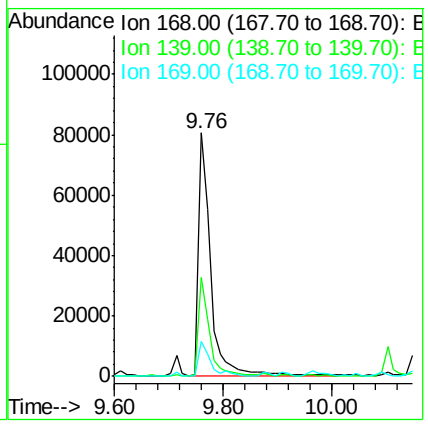




#54
Dibenzofuran
Concen: 6.21 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:168 Resp: 121641

Ion	Ratio	Lower	Upper
168	100		
139	40.8	26.4	39.6#
169	14.4	10.4	15.6



Instrument :
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ClientSampleId :
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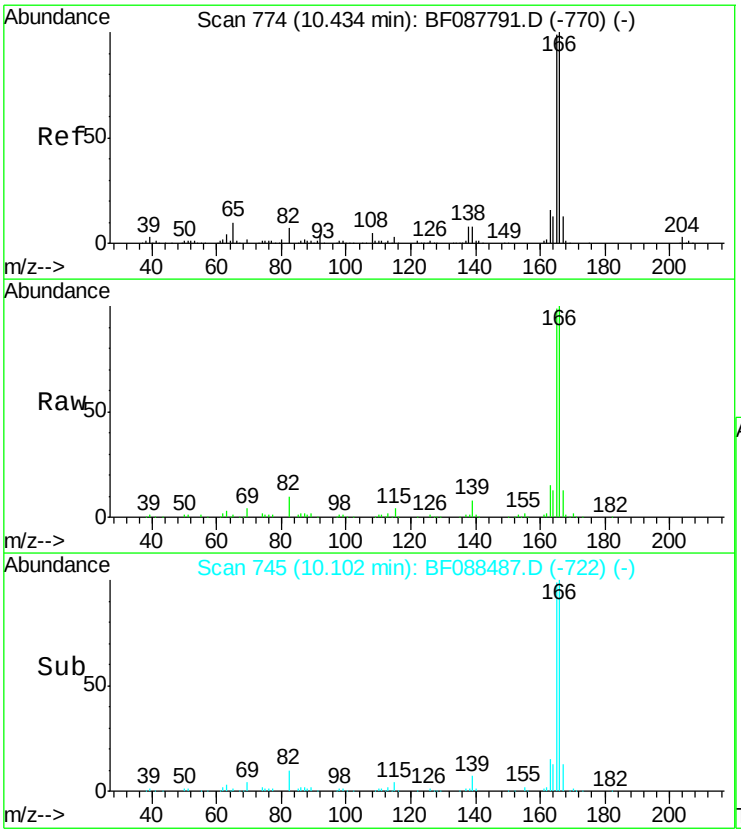
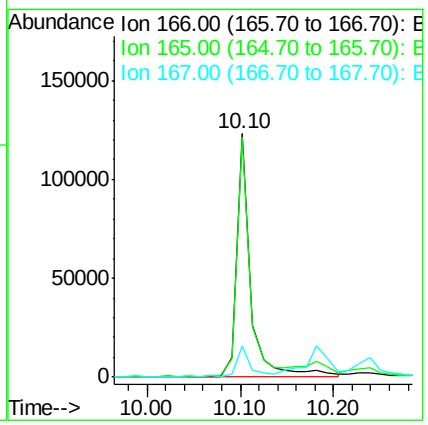
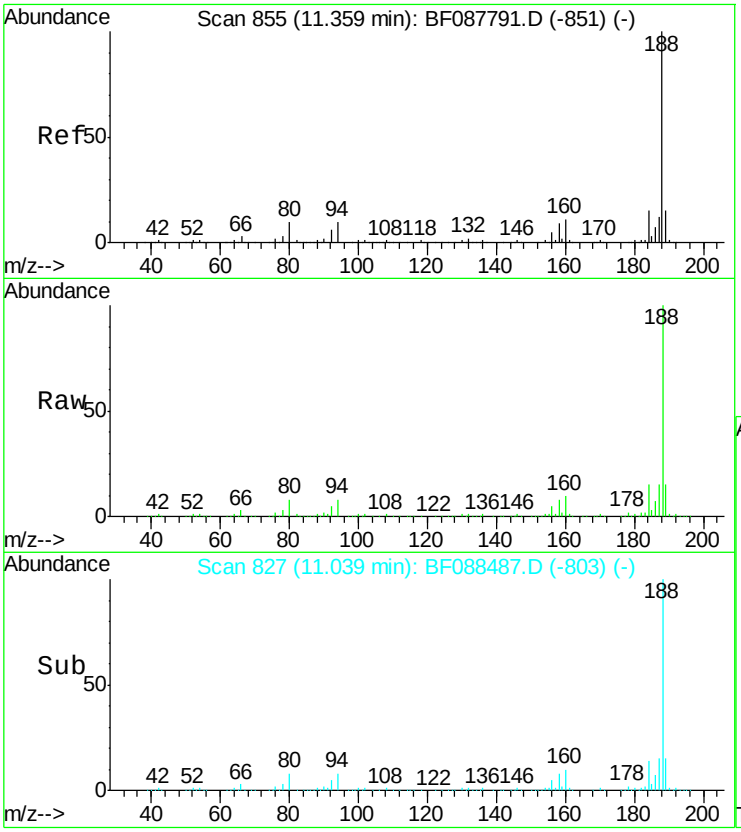


#57
Fluorene
Concen: 5.63 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:166 Resp: 130328

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.8
167	12.9	11.2	16.8

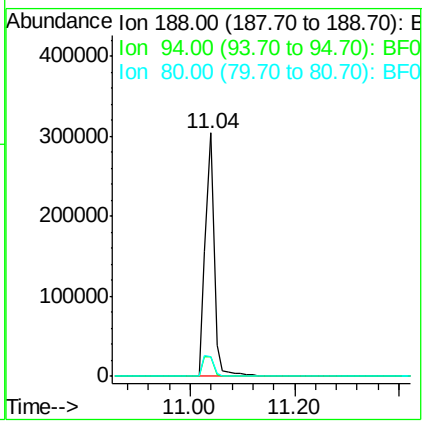




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:188 Resp: 366448

Ion	Ratio	Lower	Upper
188	100		
94	8.2	9.0	13.6#
80	8.2	10.0	15.0#



Instrument :
BNA_F
ClientSampleId :
SS-4RE

Manual Integrations APPROVED
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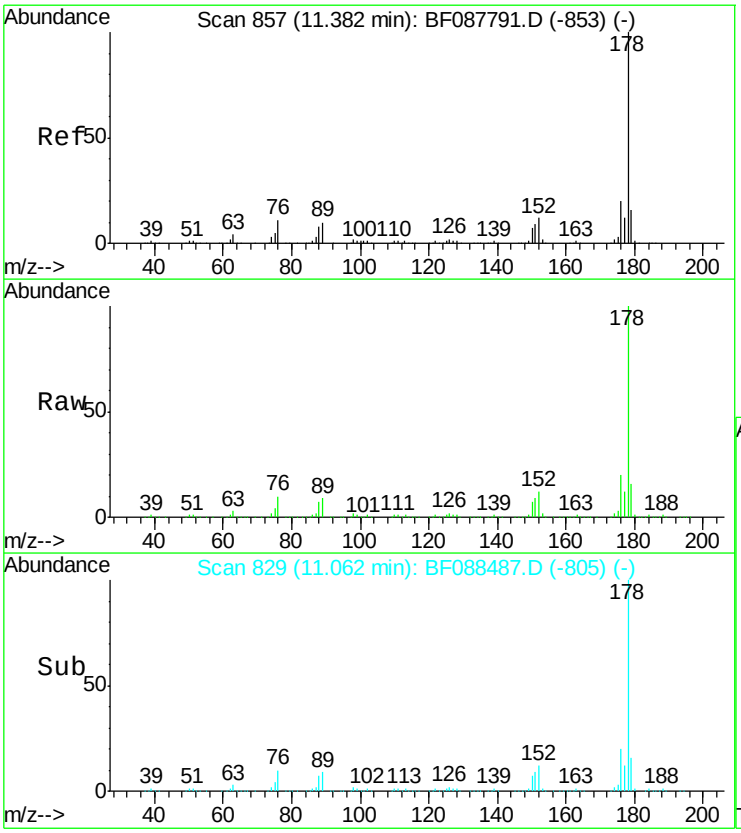
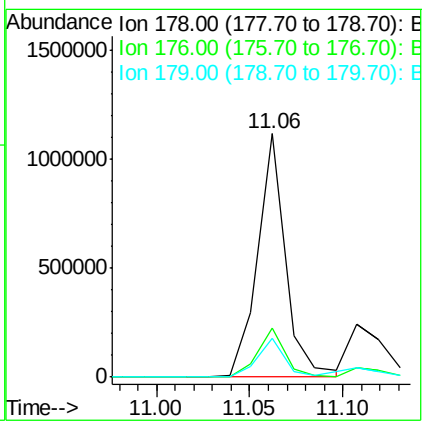
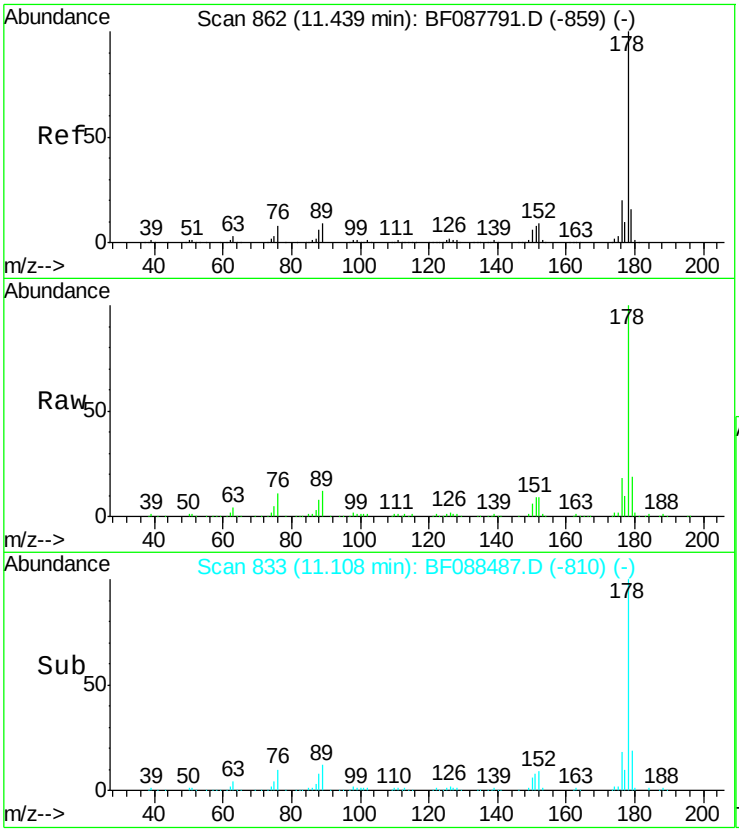


#70
Phenanthrene
Concen: 60.05 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:178 Resp: 1154777

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	16.1	13.0	19.4

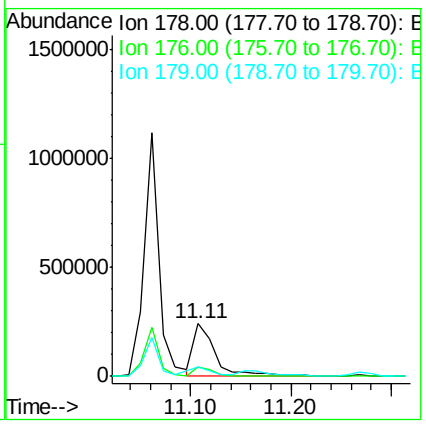




#71
Anthracene
Concen: 18.82 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.03 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:178 Resp: 364978

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	18.9	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
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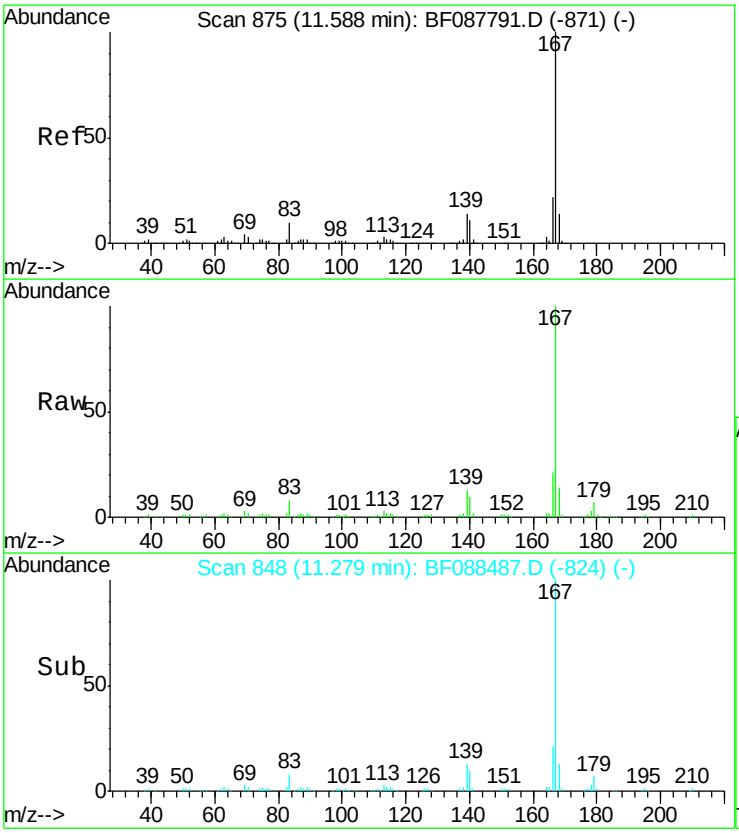
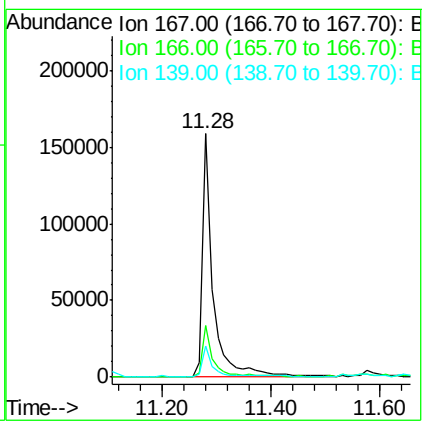
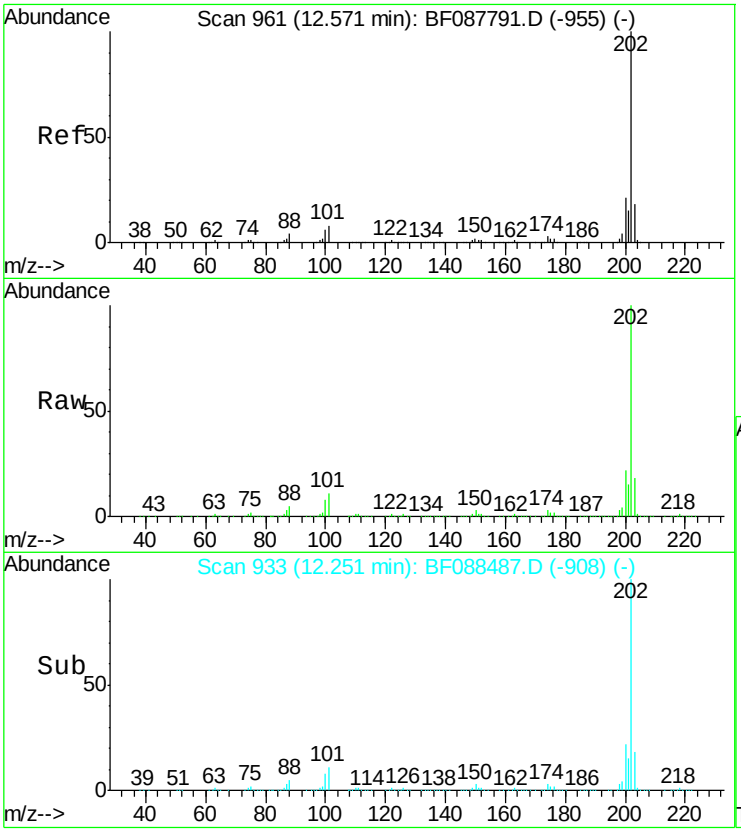


#72
Carbazole
Concen: 11.91 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:167 Resp: 216235

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.6
139	12.7	11.2	16.8

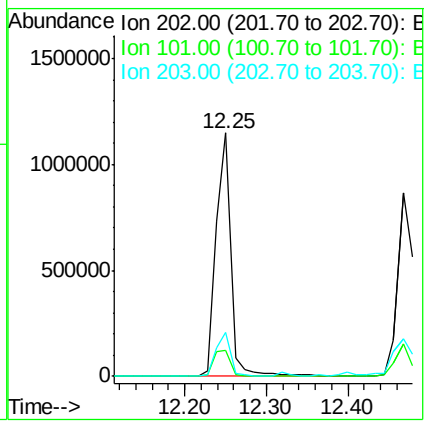




#74
Fluoranthene
Concen: 70.87 ng
RT: 12.25 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:202 Resp: 1438206

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.1
203	18.3	0.0	38.1



Instrument :
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ClientSampleId :
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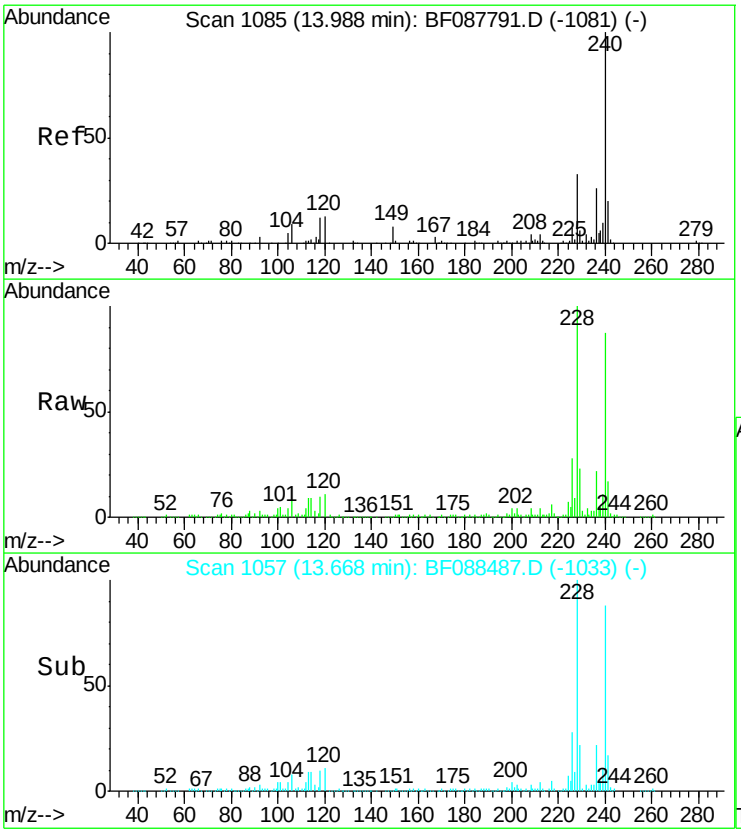
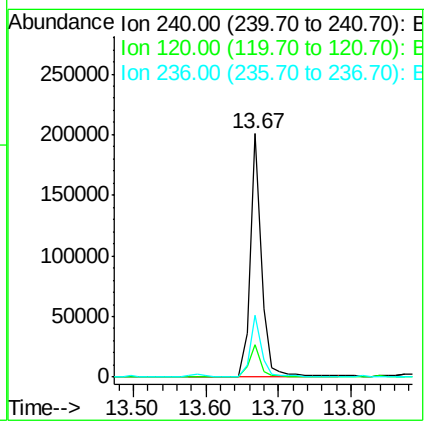
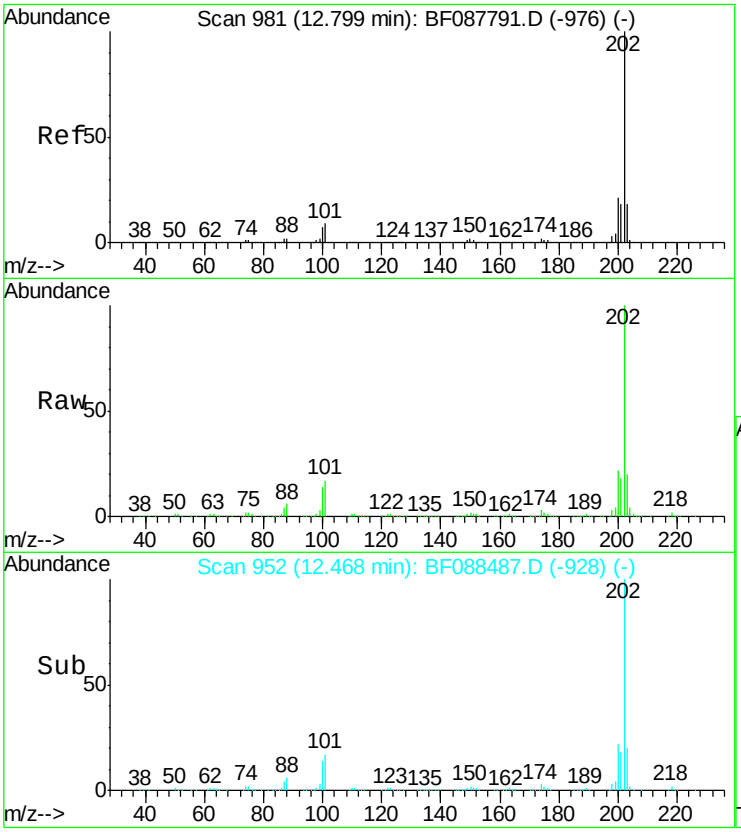


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:240 Resp: 218757

Ion	Ratio	Lower	Upper
240	100		
120	13.1	6.8	10.2#
236	25.5	20.2	30.2

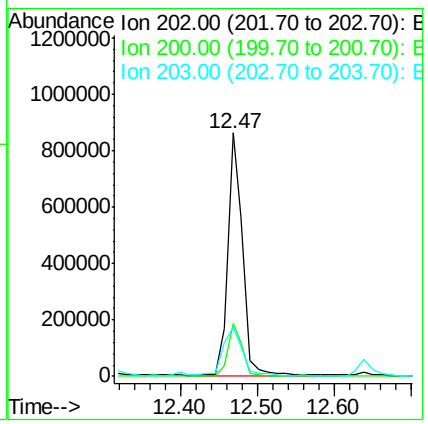




#77
Pyrene
Concen: 72.28 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:202 Resp: 1173414

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	20.3	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
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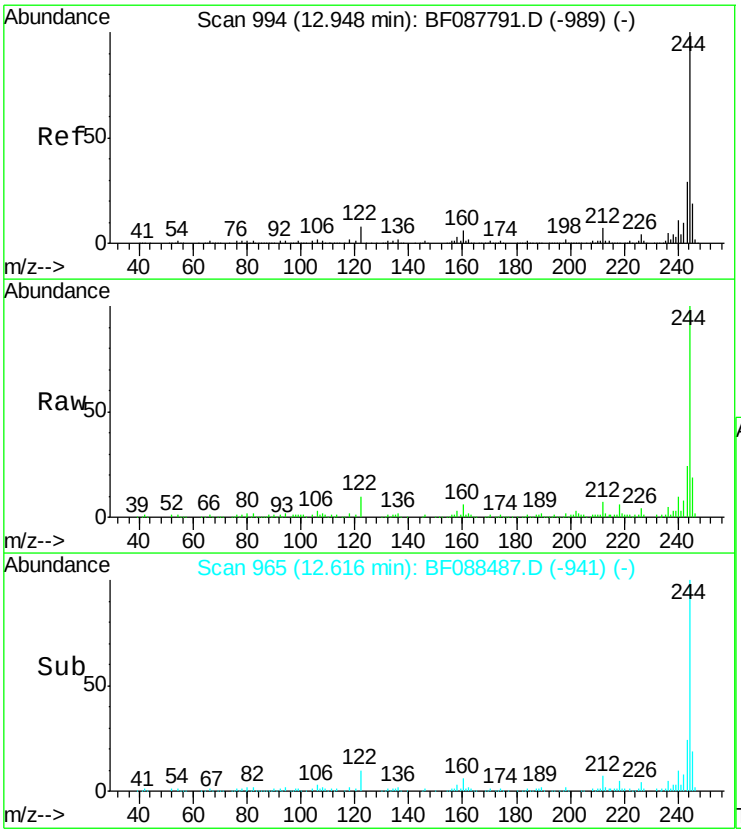
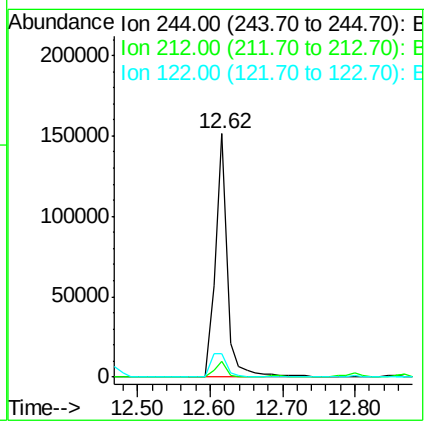
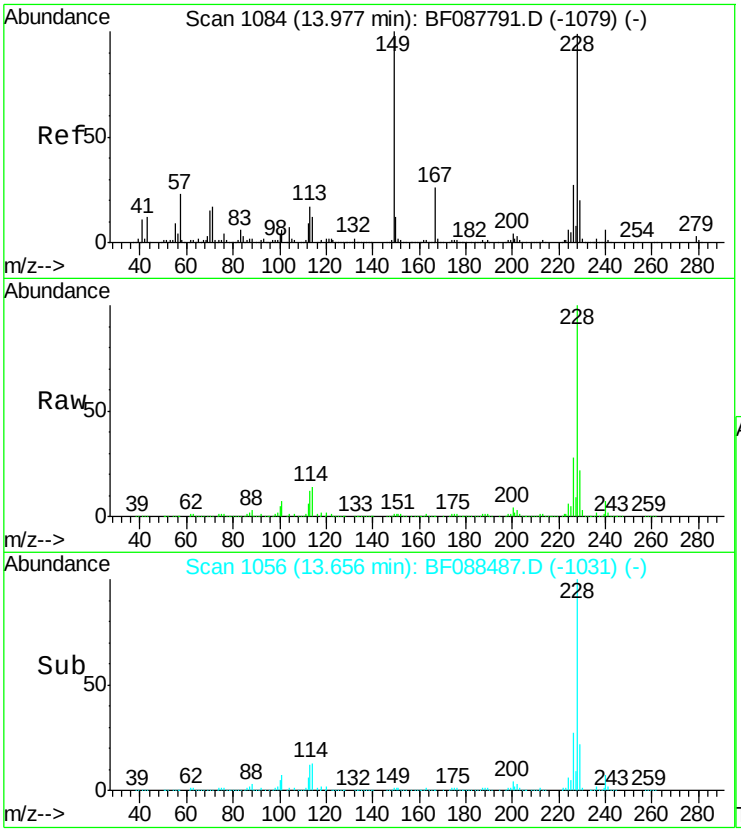


#78
Terphenyl-d14
Concen: 18.02 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:244 Resp: 173204

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	9.8	11.2	16.8#

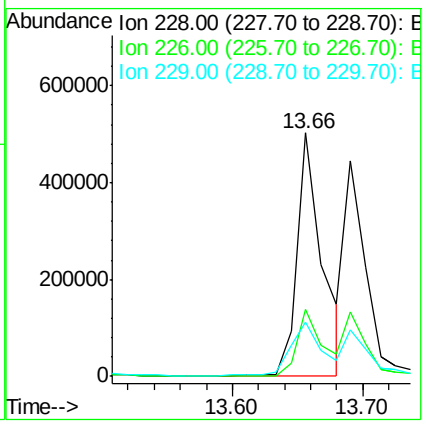




#80
Benzo(a)anthracene
Concen: 53.72 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:228 Resp: 669620

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	22.2	16.0	24.0



Instrument :
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ClientSampleId :
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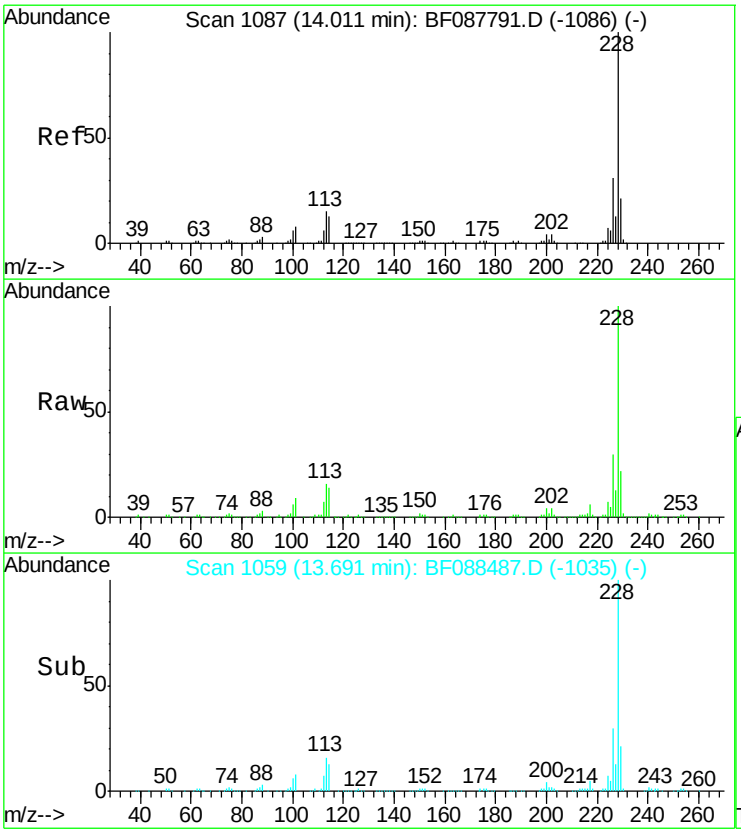
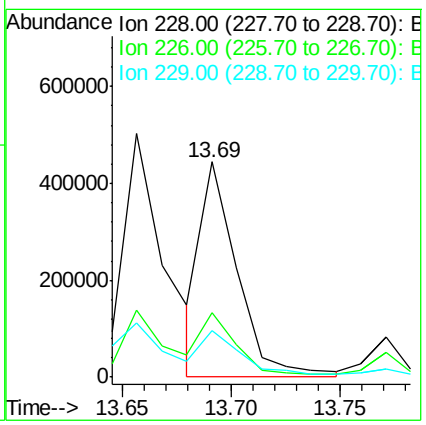
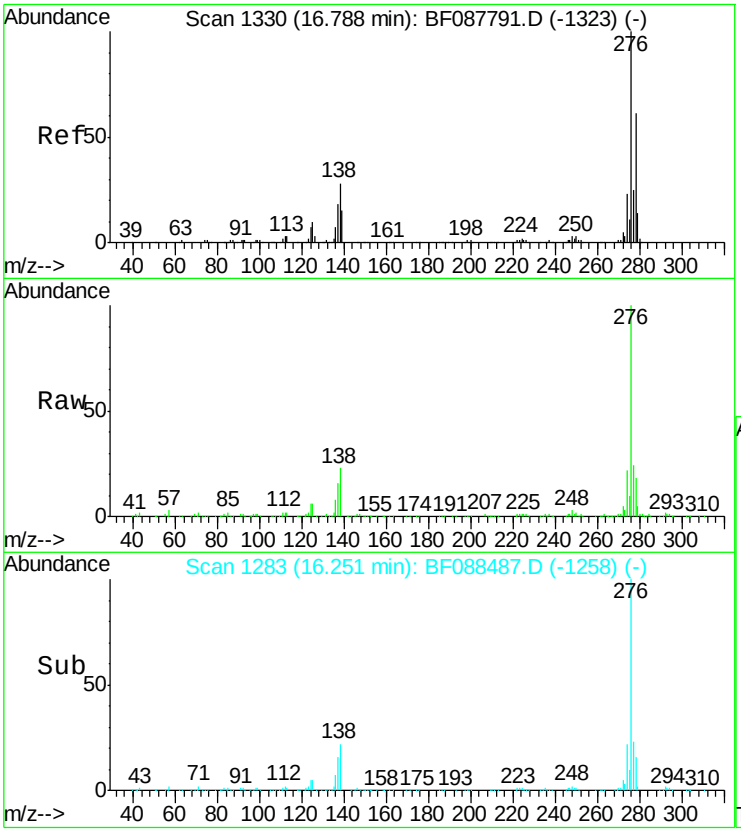


#82
Chrysene
Concen: 43.62 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:228 Resp: 511607

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	21.7	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 38.96 ng
RT: 16.25 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:276 Resp: 424497

Ion	Ratio	Lower	Upper
276	100		
138	26.2	0.0	0.0#
277	22.5	0.0	0.0#

Instrument :
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ClientSampleId :
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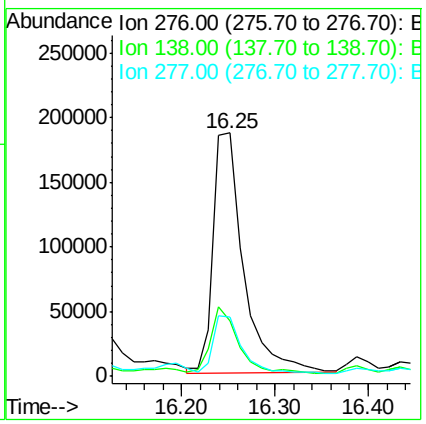
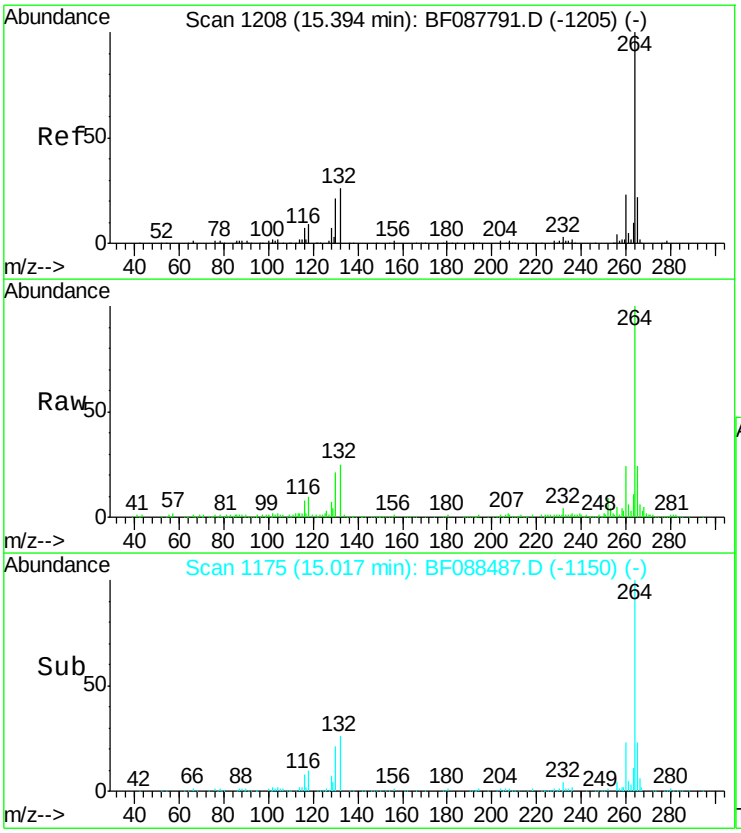
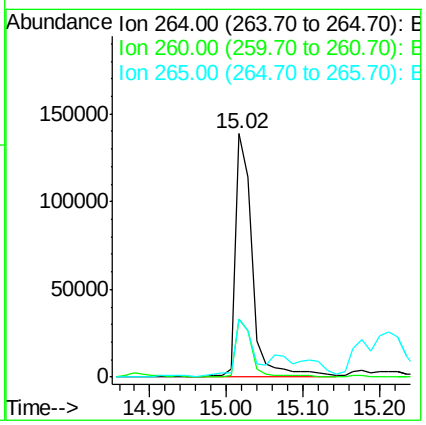


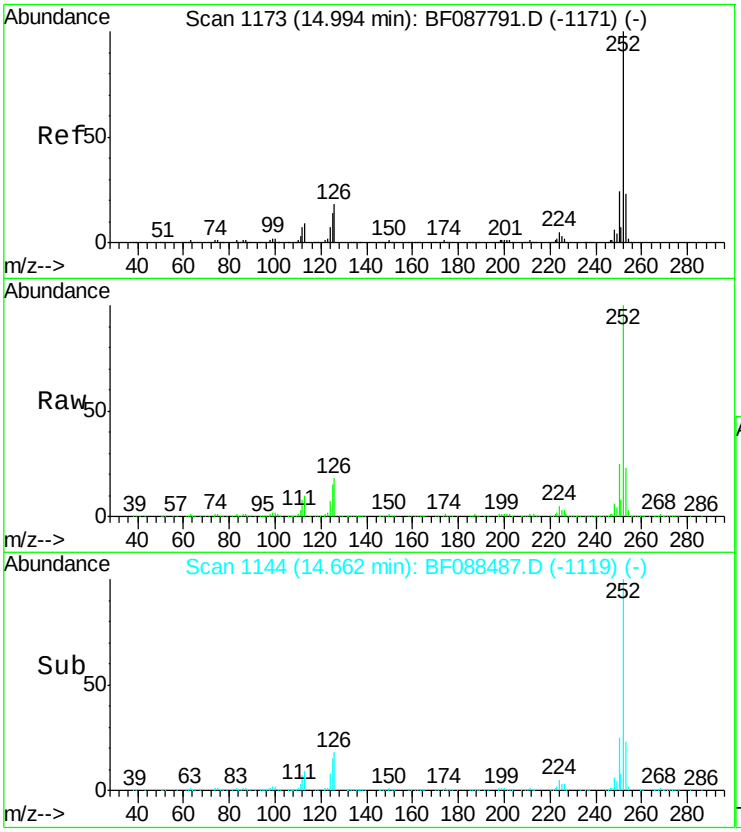


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:264 Resp: 211525

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.9	16.9	25.3

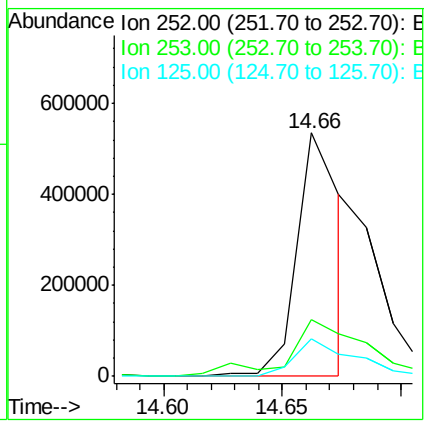




#87
Benzo(b)fluoranthene
Concen: 47.49 ng m
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:252 Resp: 700175

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	15.5	7.1	10.7#



Instrument :
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ClientSampleId :
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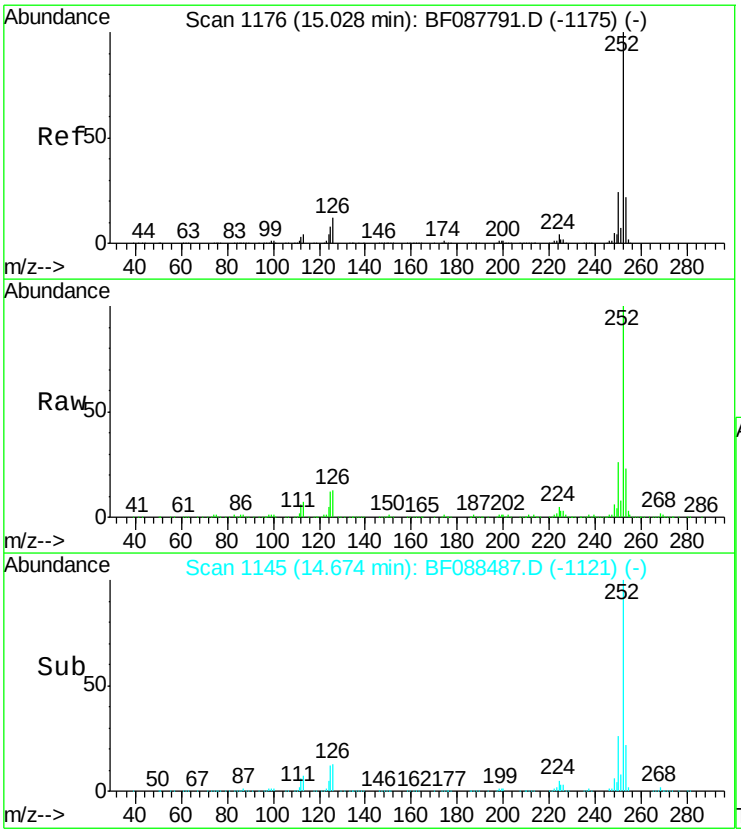
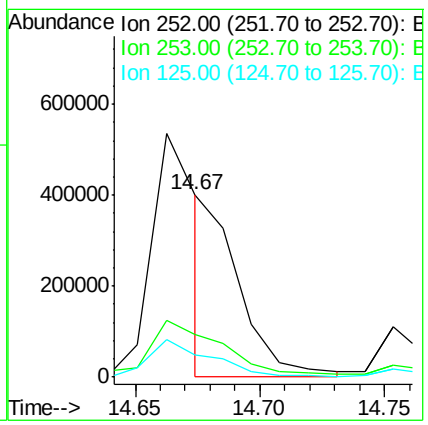
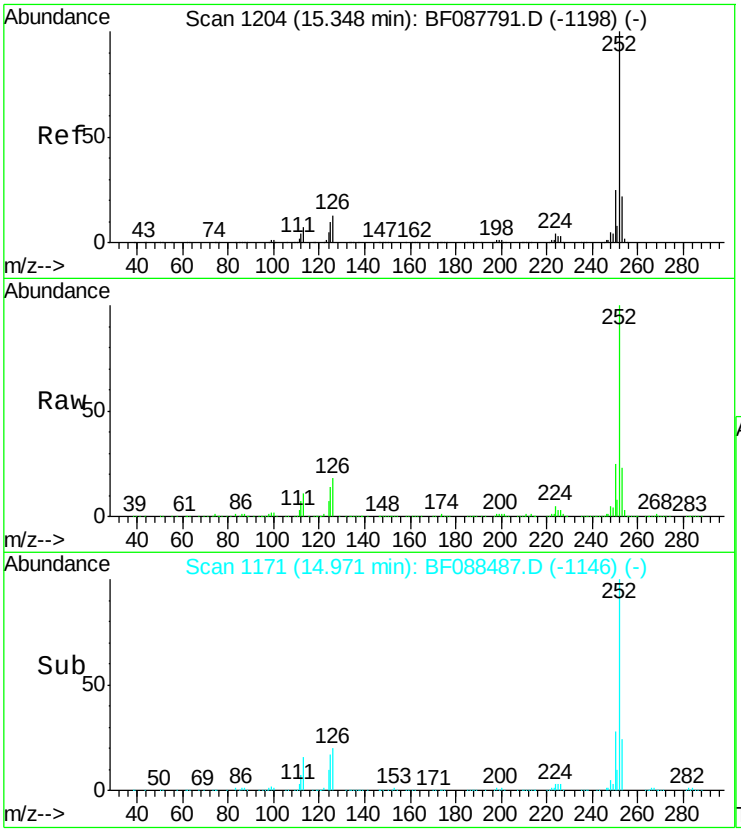


#88
Benzo(k)fluoranthene
Concen: 31.20 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:252 Resp: 347020

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.2	11.2	16.8

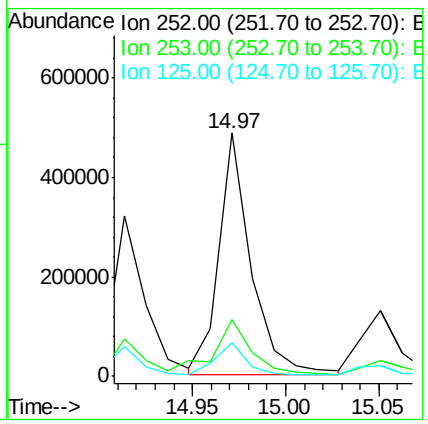




#89
Benzo(a)pyrene
Concen: 49.19 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:252 Resp: 586767

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.9	12.5	18.7



Instrument :
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ClientSampleId :
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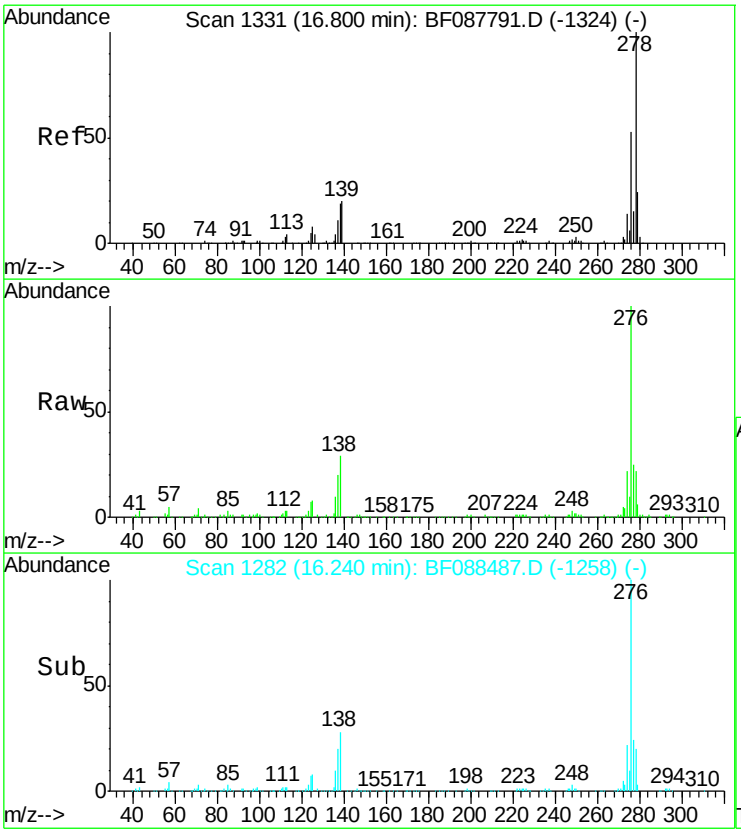
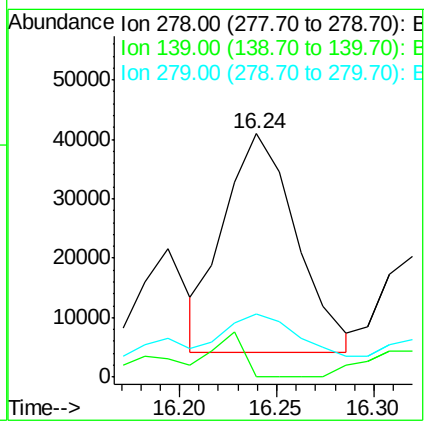
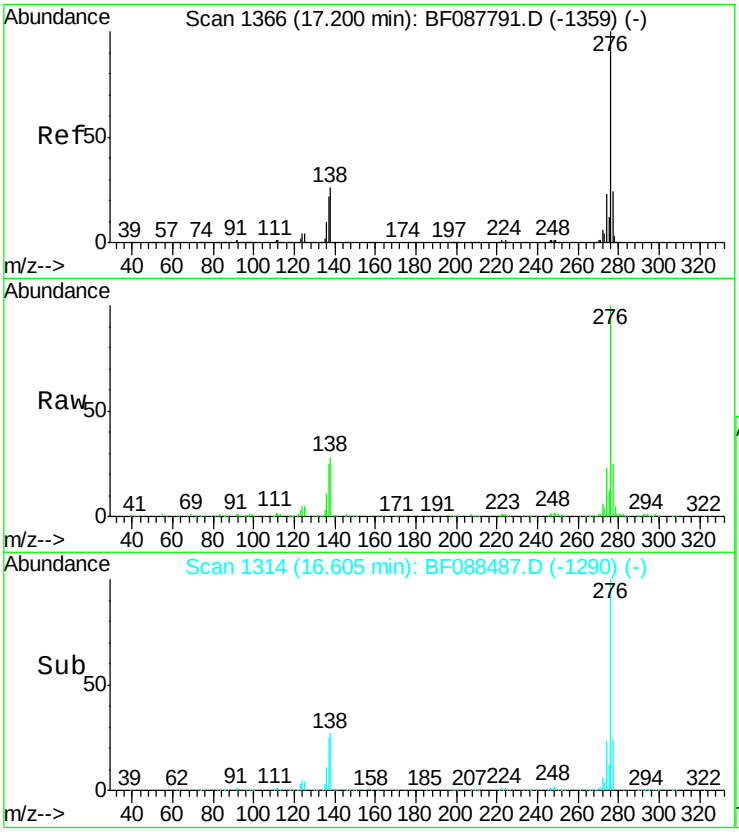


#90
Dibenzo(a,h)anthracene
Concen: 8.54 ng m
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:278 Resp: 94664

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	25.8	19.4	29.2

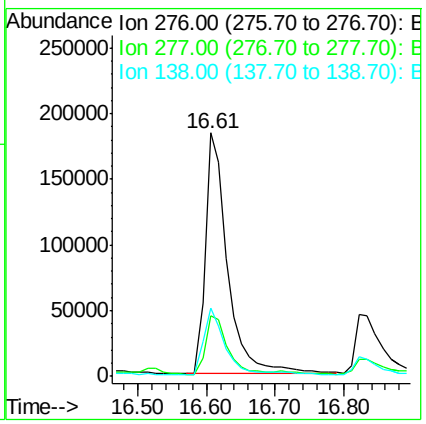




#91
Benzo(g,h,i)perylene
Concen: 36.33 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF088487.D
Acq: 28 Jun 2016 19:09

Tgt Ion:276 Resp: 414043

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	28.1	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
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