Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
Data File : BF089179.D
Acq On : 21 Jul 2016 14:43
Operator : UM/SJ
Sample : H4121-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-AST-COMP

Manual Integrations APPROVED
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Quant Time: Jul 22 11:47:06 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	48109	20.00	ng		0.00
21) Naphthalene-d8	7.88	136	195285	20.00	ng		0.00
38) Acenaphthene-d10	9.63	164	71979	20.00	ng		0.00
63) Phenanthrene-d10	11.11	188	123213	20.00	ng		0.00
75) Chrysene-d12	13.74	240	100573	20.00	ng		0.01
86) Perylene-d12	15.09	264	81639	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.19	112	294585	93.13	ng		0.00
7) Phenol-d6	6.26	99	392039	96.11	ng		-0.01
23) Nitrobenzene-d5	7.16	82	235092	63.96	ng		-0.01
41) 2,4,6-Tribromophenol	10.42	330	50830	78.44	ng		0.00
44) 2-Fluorobiphenyl	8.96	172	378886	72.53	ng		-0.01
78) Terphenyl-d14	12.68	244	266132	57.39	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.48	152	44795	5.78	ng		99
49) Dimethylphthalate	9.36	163	73124	13.24	ng	#	98
51) Acenaphthene	9.66	154	11624	2.54	ng		99
57) Fluorene	10.17	166	23900m	4.55	ng		
70) Phenanthrene	11.13	178	331517	49.05	ng		99
71) Anthracene	11.18	178	102071	14.53	ng		99
72) Carbazole	11.34	167	19648	3.18	ng	#	94
74) Fluoranthene	12.31	202	457051	64.33	ng		99
77) Pyrene	12.54	202	445135	53.59	ng		99
80) Benzo(a)anthracene	13.73	228	241125m	37.64	ng		
82) Chrysene	13.76	228	203494m	33.26	ng		
85) Indeno(1,2,3-cd)pyrene	16.32	276	89536	20.15	ng	#	91
87) Benzo(b)fluoranthene	14.73	252	262436m	44.38	ng		
88) Benzo(k)fluoranthene	14.74	252	49681m	11.75	ng		
89) Benzo(a)pyrene	15.04	252	164318	35.80	ng		97
90) Dibenzo(a,h)anthracene	16.32	278	20482m	5.65	ng		
91) Benzo(g,h,i)perylene	16.69	276	80167	21.94	ng		94

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

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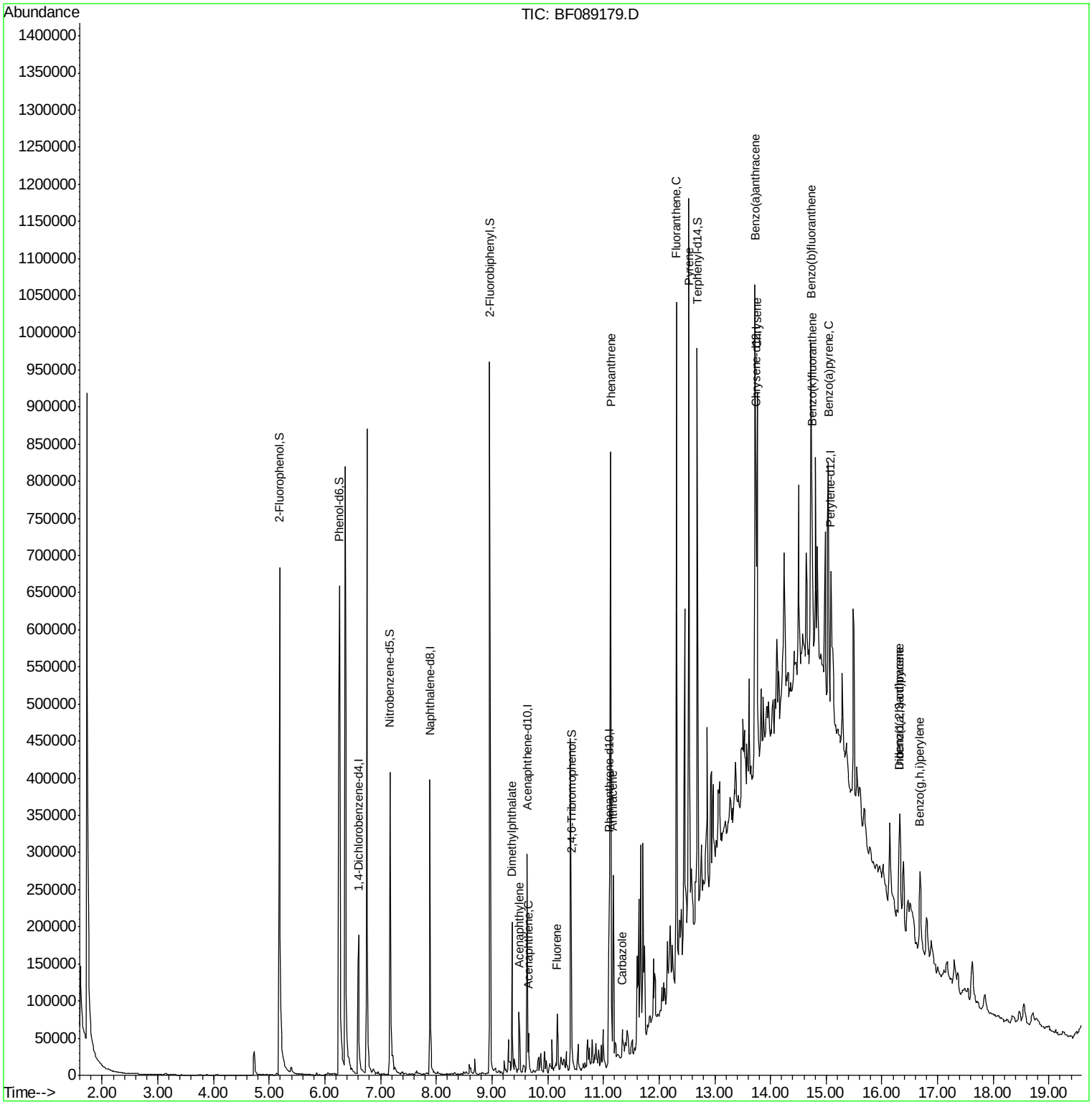
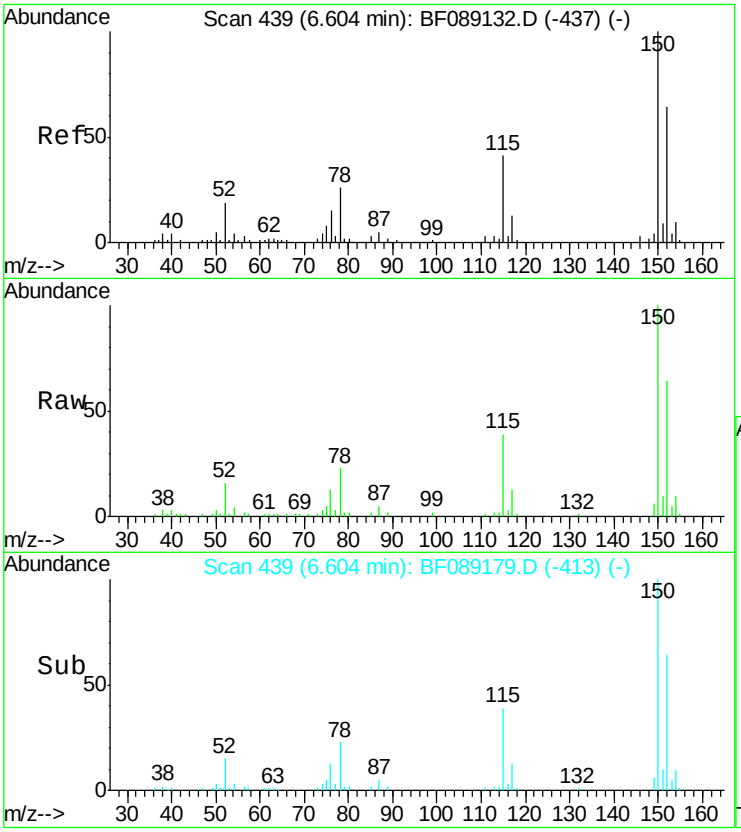
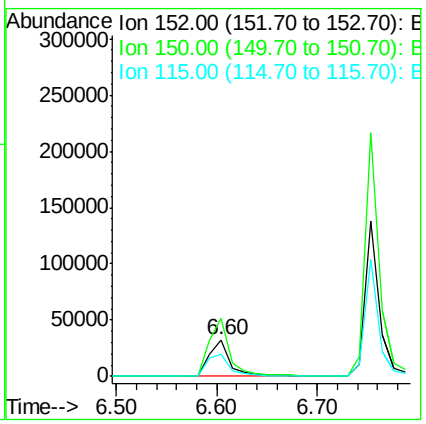




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:152 Resp: 48109

Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.1	187.7
115	60.8	51.1	76.7



Instrument :
BNA_F
ClientSampleId :
TEC-AST-COMP

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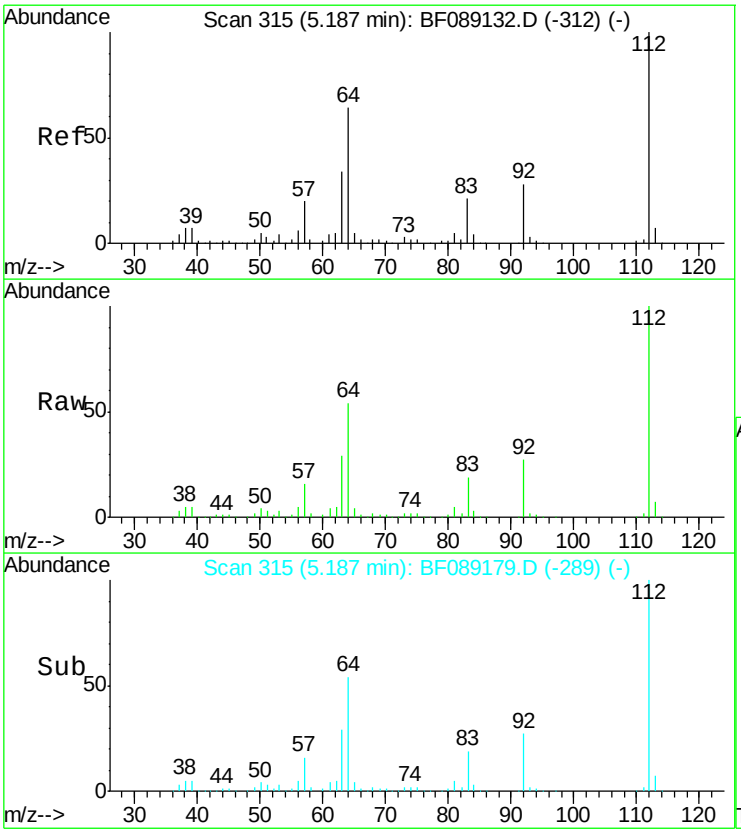
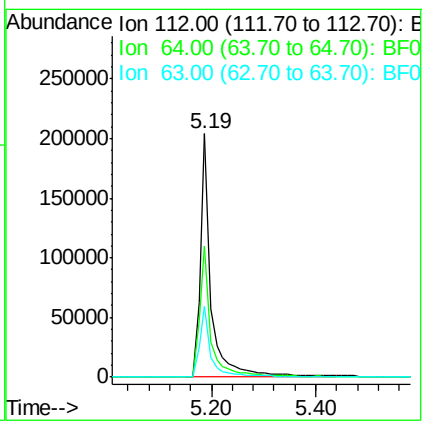
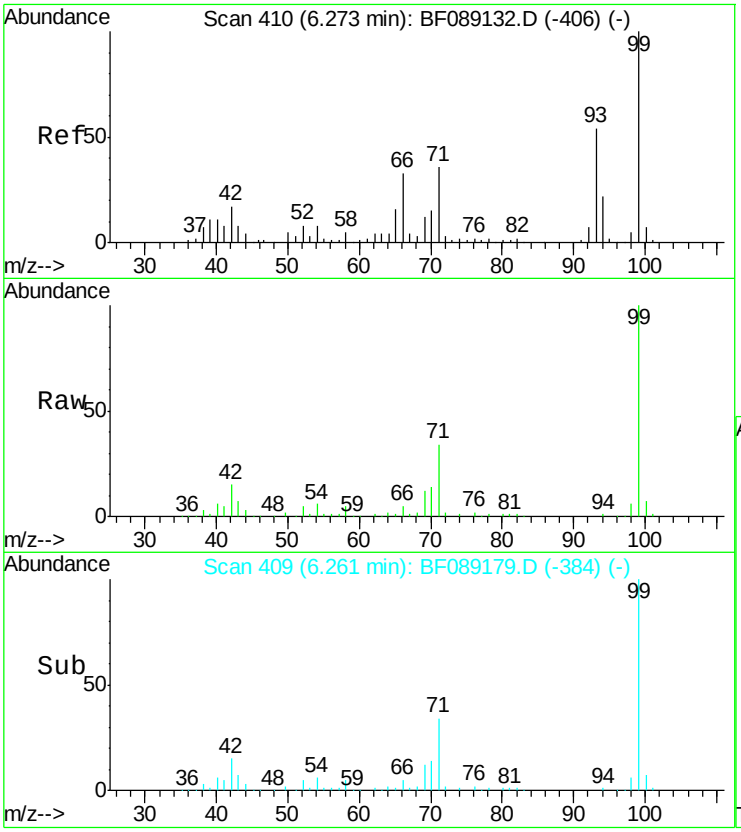


#5
2-Fluorophenol
Concen: 93.13 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:112 Resp: 294585

Ion	Ratio	Lower	Upper
112	100		
64	54.0	51.0	76.4
63	29.0	27.3	40.9

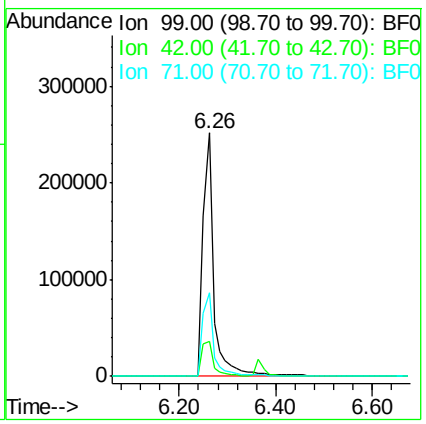




#7
Phenol-d6
Concen: 96.11 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion: 99 Resp: 392039

Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.5	20.3
71	34.4	28.9	43.3



Instrument :
BNA_F
ClientSampleId :
TEC-AST-COMP

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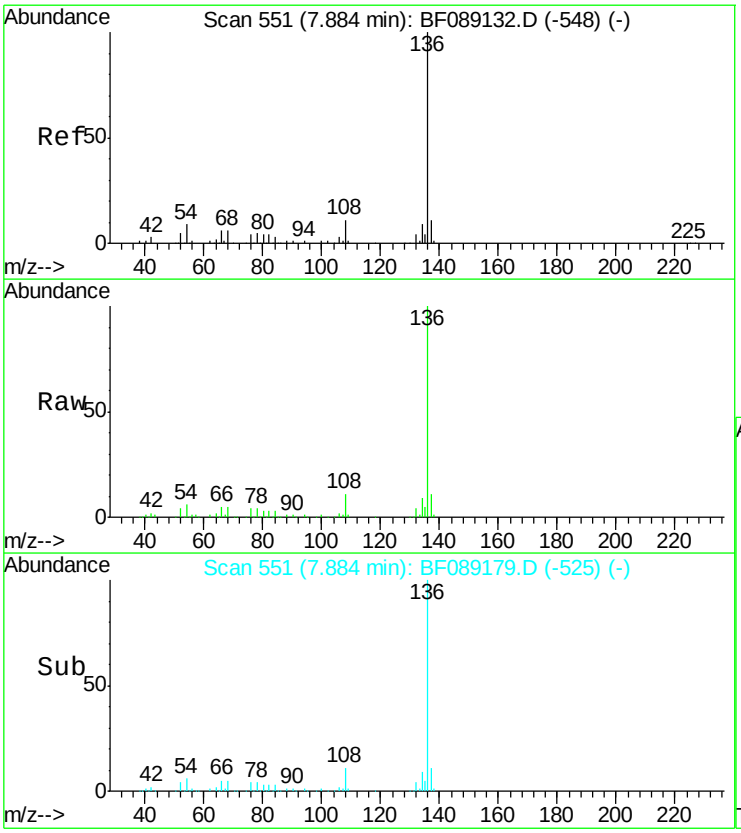
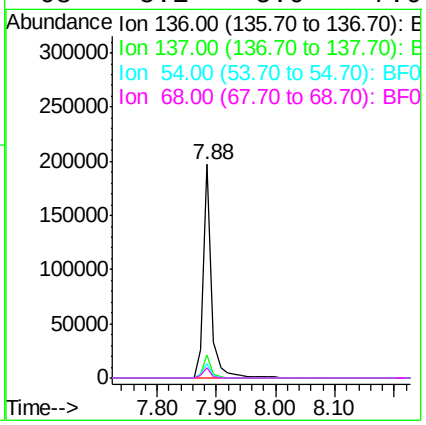
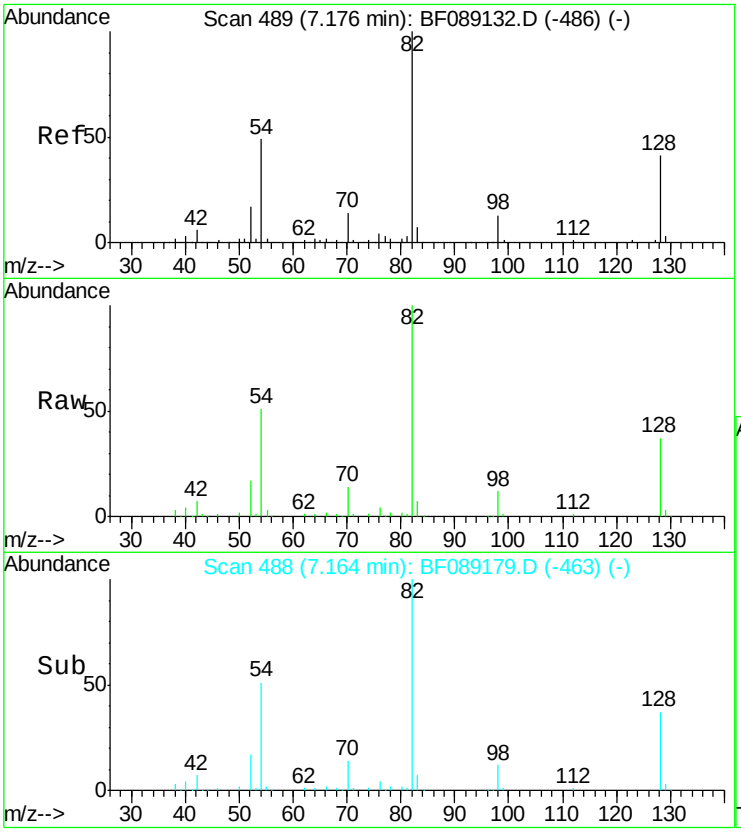


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:136 Resp: 195285

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.4	7.0	10.4#
68	5.1	5.0	7.6

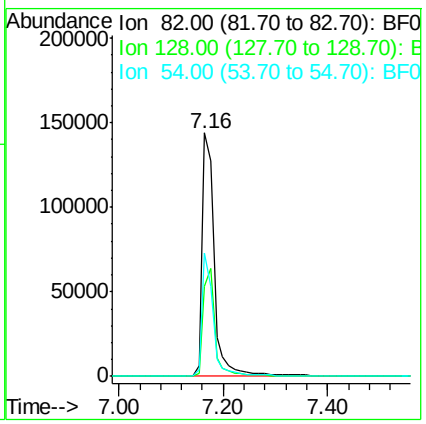




#23
Nitrobenzene-d5
Concen: 63.96 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion: 82 Resp: 235092

Ion	Ratio	Lower	Upper
82	100		
128	37.0	33.0	49.6
54	50.8	39.0	58.4



Instrument :
BNA_F
ClientSampleId :
TEC-AST-COMP

Manual Integrations
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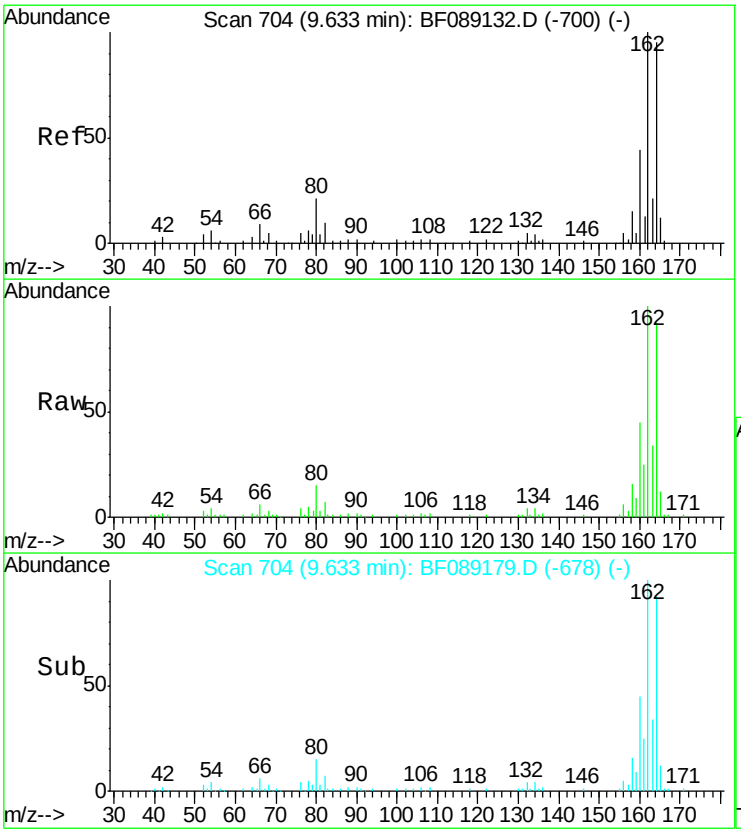
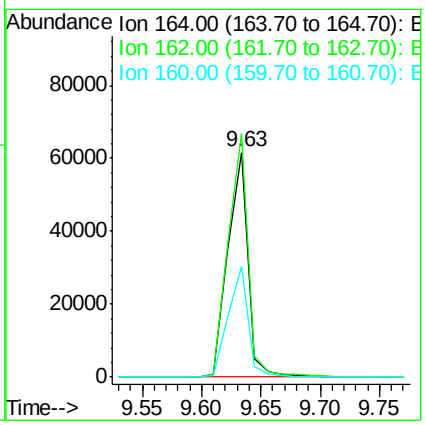
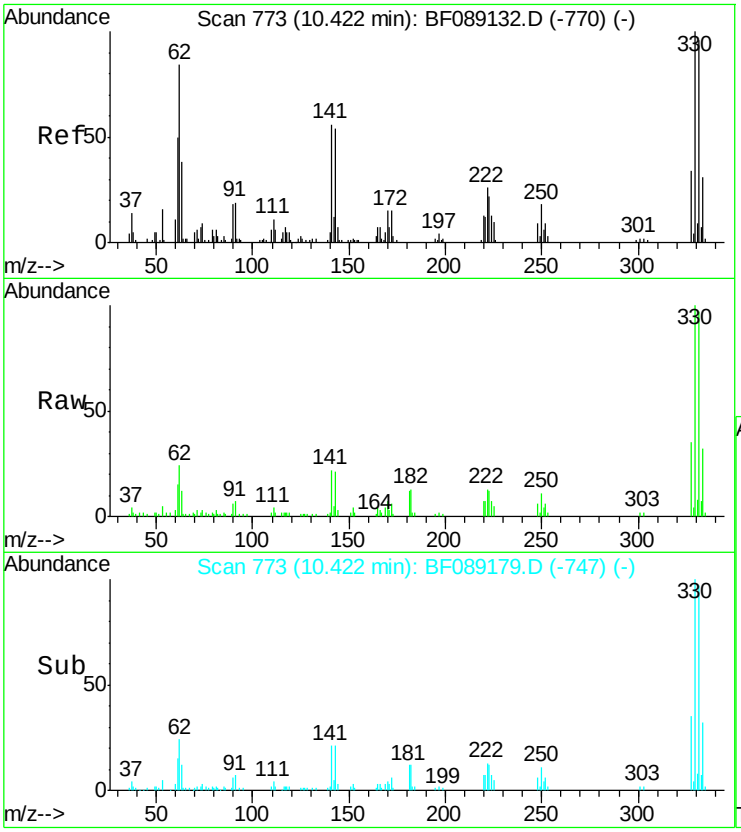


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:164 Resp: 71979

Ion	Ratio	Lower	Upper
164	100		
162	108.5	84.1	126.1
160	49.2	37.1	55.7

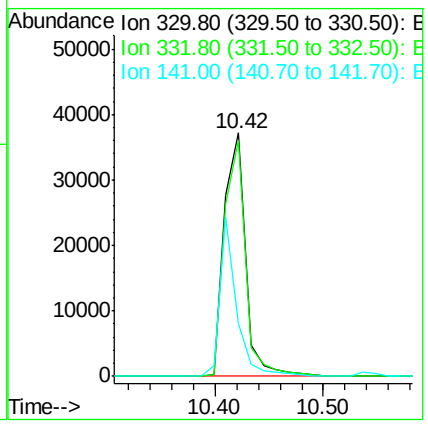




#41
2,4,6-Tribromophenol
Concen: 78.44 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:330 Resp: 50830

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	51.1	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
TEC-AST-COMP

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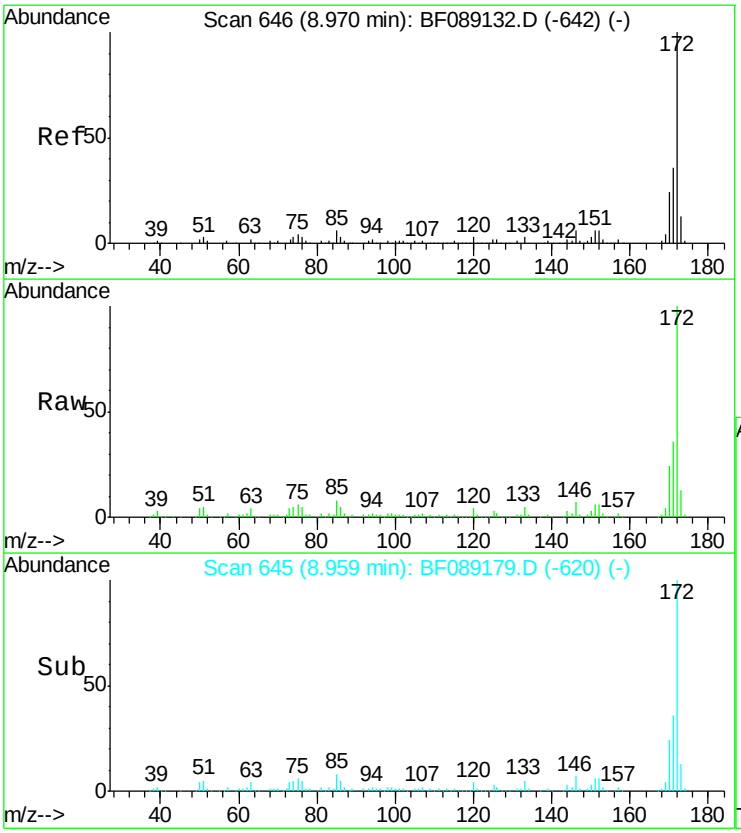
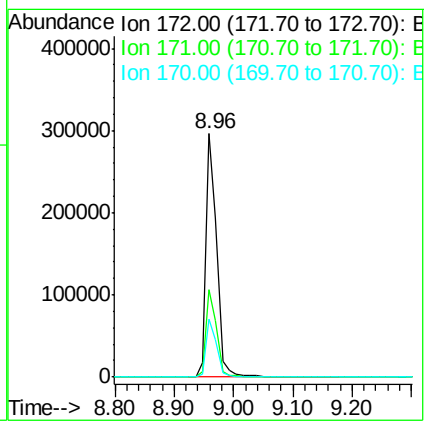
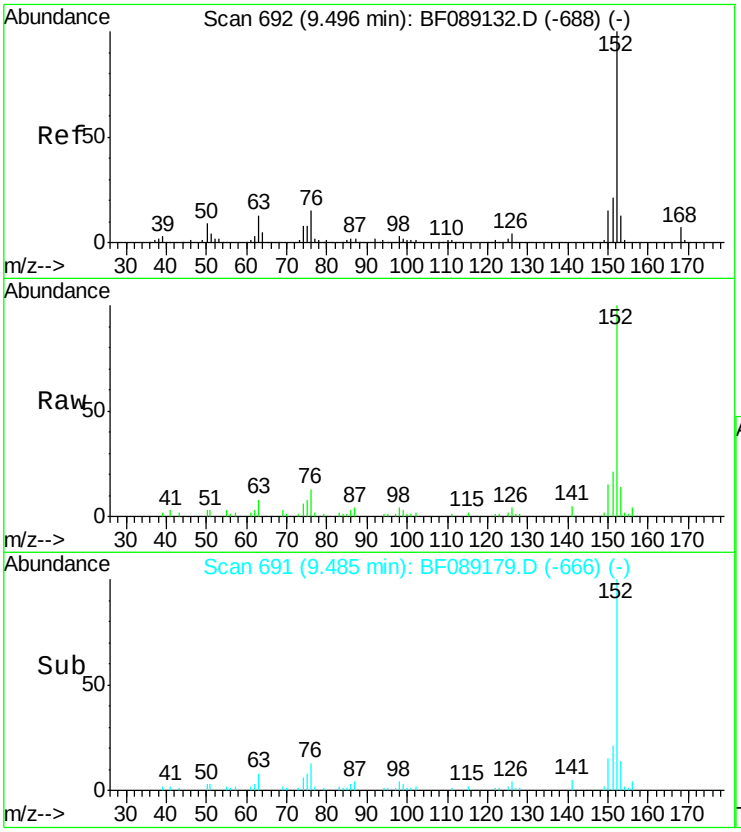


#44
2-Fluorobiphenyl
Concen: 72.53 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:172 Resp: 378886

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	23.7	19.1	28.7

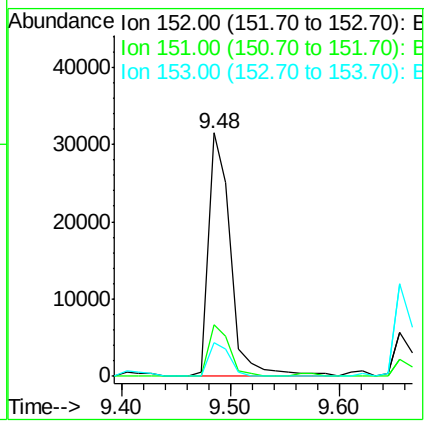




#48
Acenaphthylene
Concen: 5.78 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:152 Resp: 44795

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.5	24.7
153	13.7	10.7	16.1



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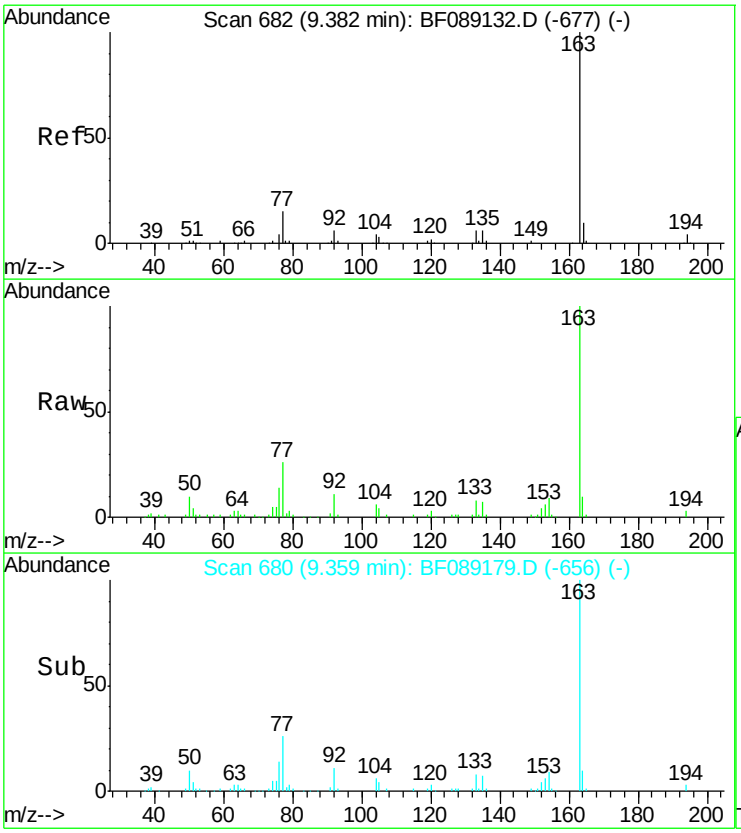
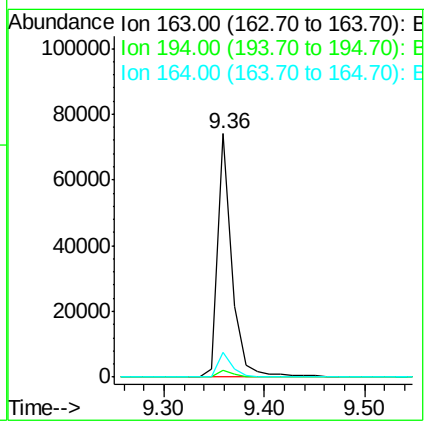
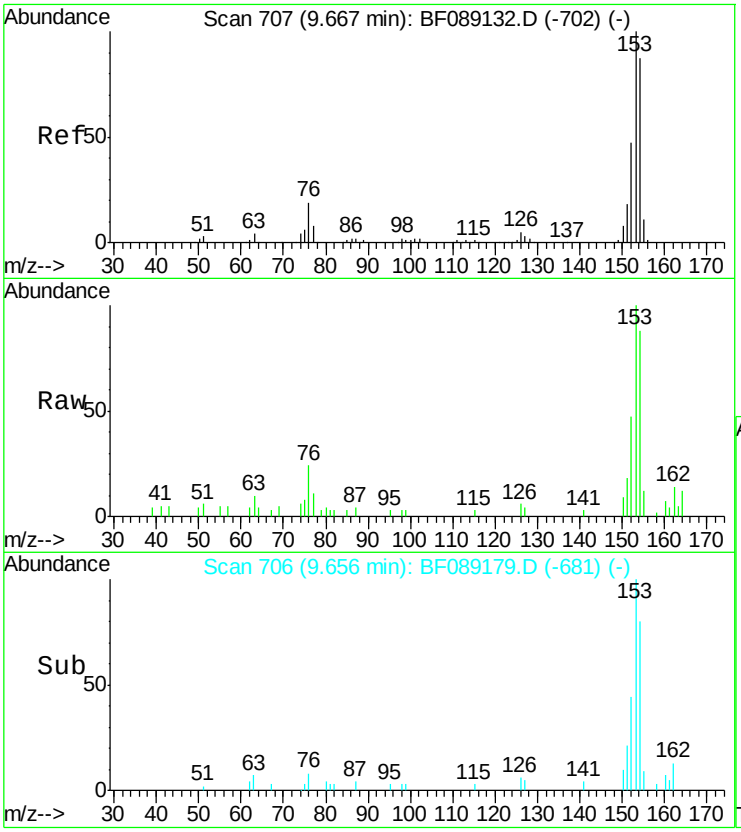


#49
Dimethylphthalate
Concen: 13.24 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:163 Resp: 73124

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.9	4.3#
164	10.2	7.6	11.4

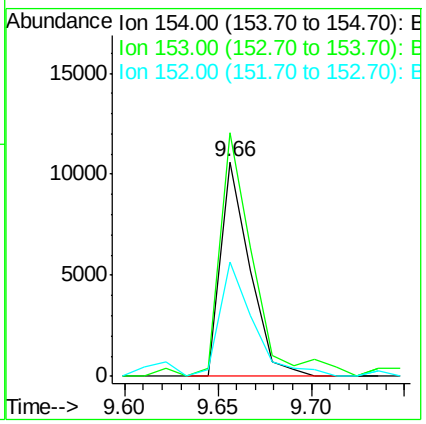




#51
Acenaphthene
Concen: 2.54 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:154 Resp: 11624

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.9	137.9
152	53.4	42.8	64.2



Instrument :
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ClientSampleId :
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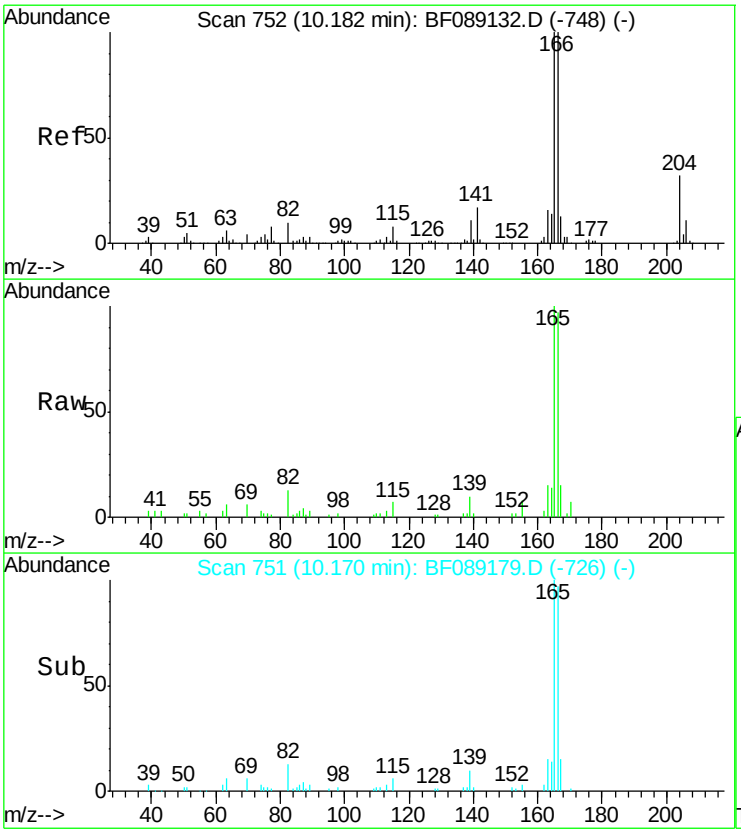
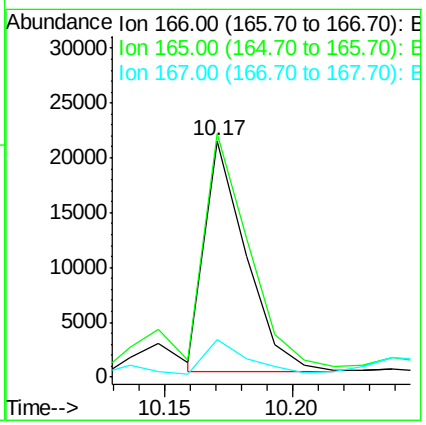
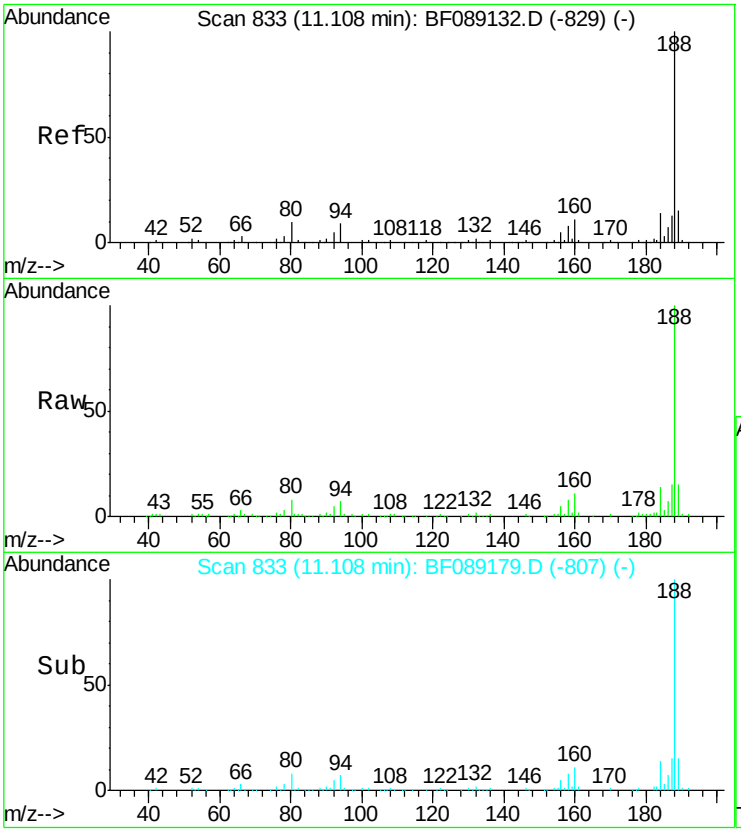


#57
Fluorene
Concen: 4.55 ng m
RT: 10.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:166 Resp: 23900

Ion	Ratio	Lower	Upper
166	100		
165	102.9	79.9	119.9
167	15.7	10.7	16.1

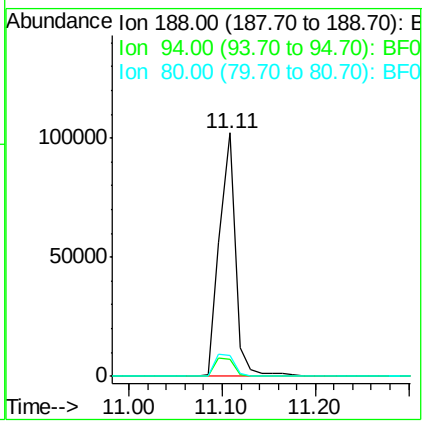




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:188 Resp: 123213

Ion	Ratio	Lower	Upper
188	100		
94	7.2	7.0	10.4
80	8.5	7.7	11.5



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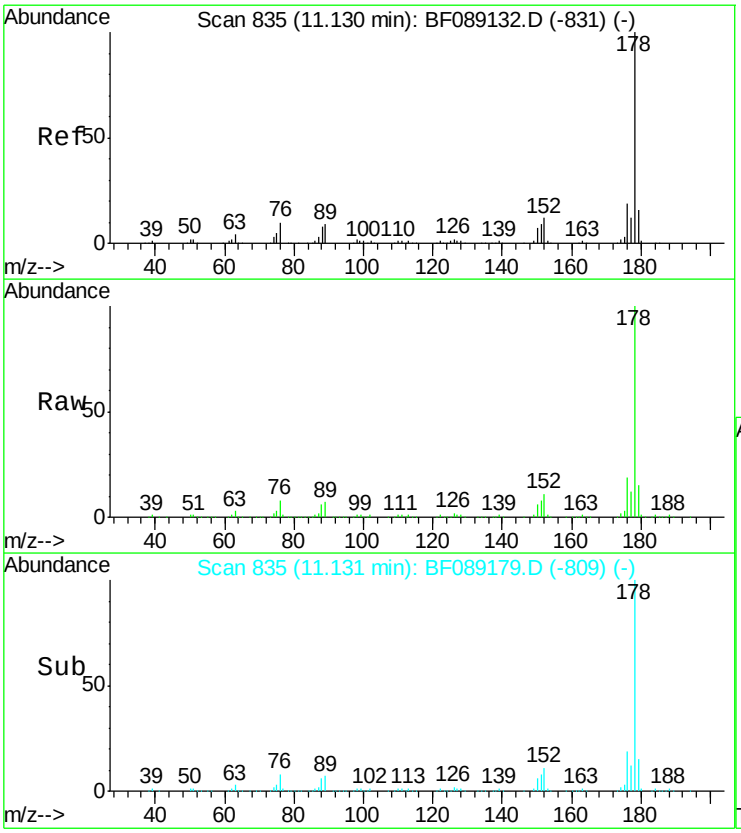
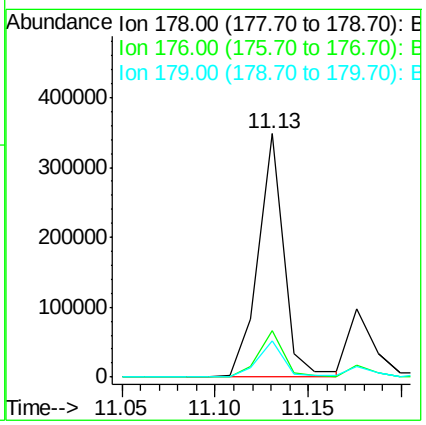
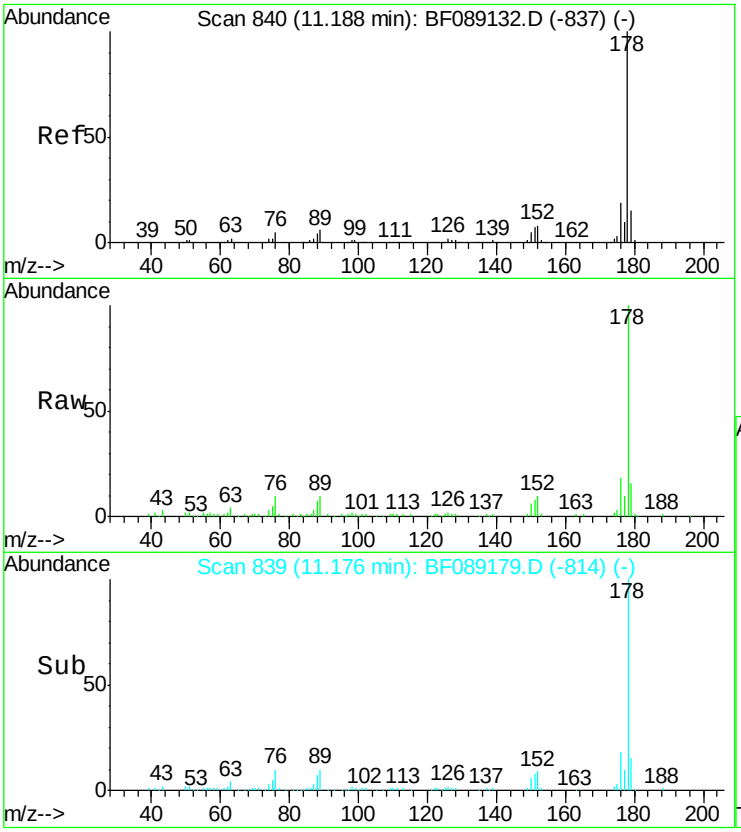


#70
Phenanthrene
Concen: 49.05 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:178 Resp: 331517

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.0	12.4	18.6

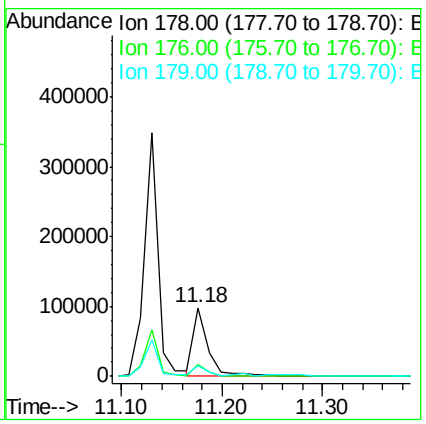




#71
Anthracene
Concen: 14.53 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:178 Resp: 102071

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.8	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
TEC-AST-COMP

Manual Integrations
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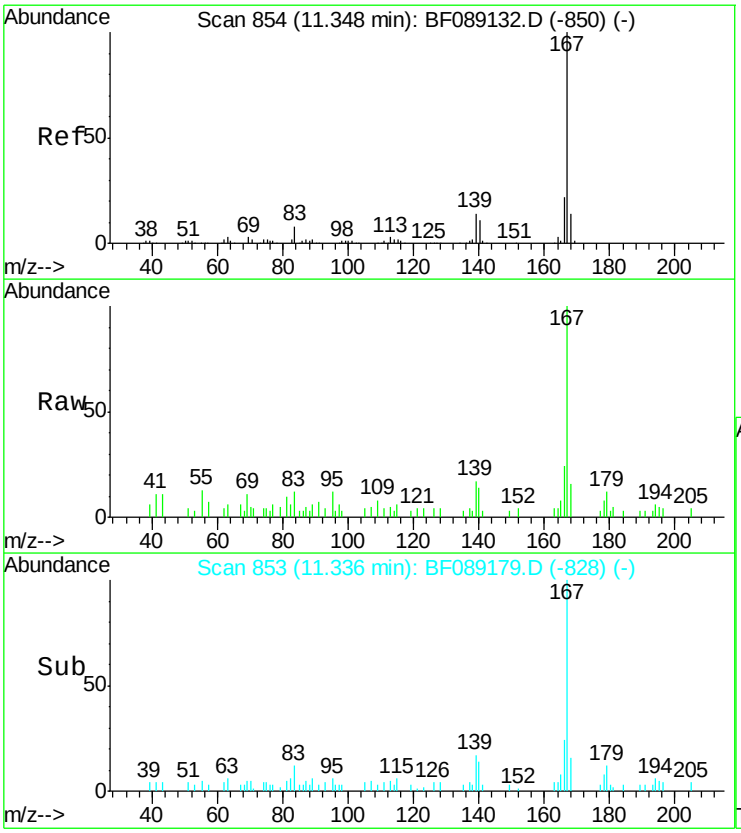
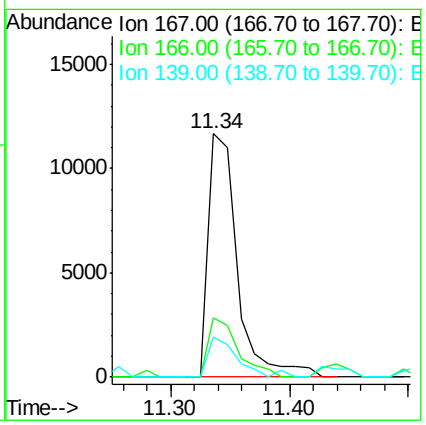
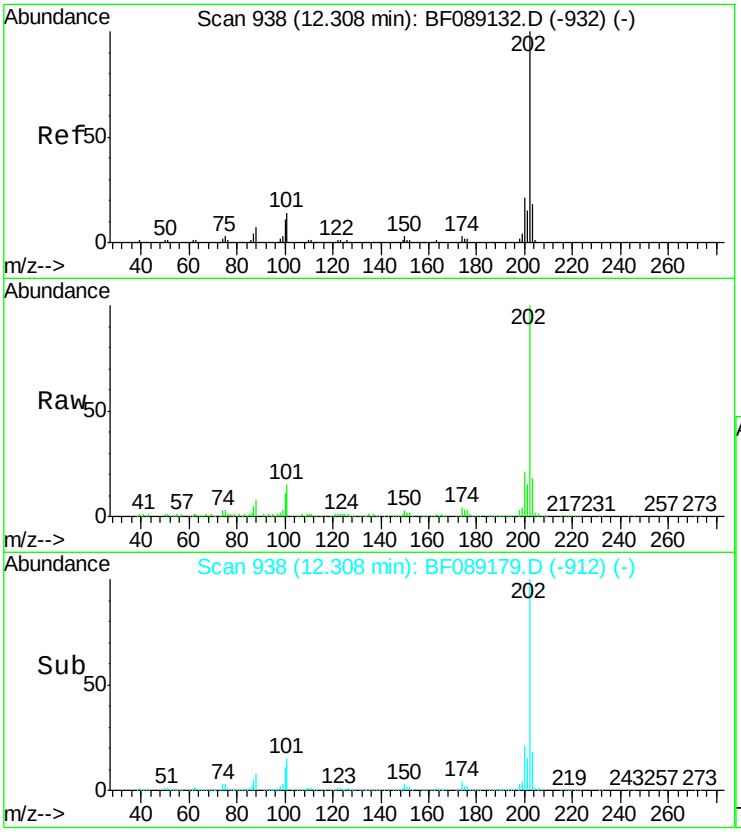


#72
Carbazole
Concen: 3.18 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:167 Resp: 19648

Ion	Ratio	Lower	Upper
167	100		
166	24.5	17.7	26.5
139	16.7	11.0	16.4#

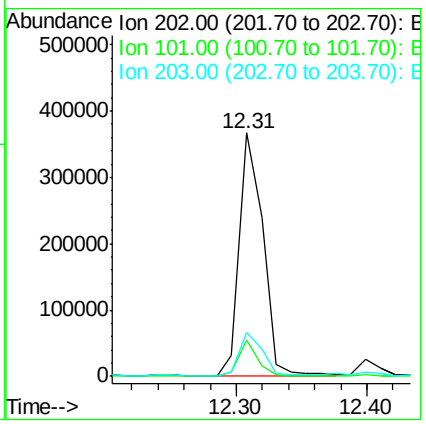




#74
Fluoranthene
Concen: 64.33 ng
RT: 12.31 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:202 Resp: 457051

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.0
203	18.2	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
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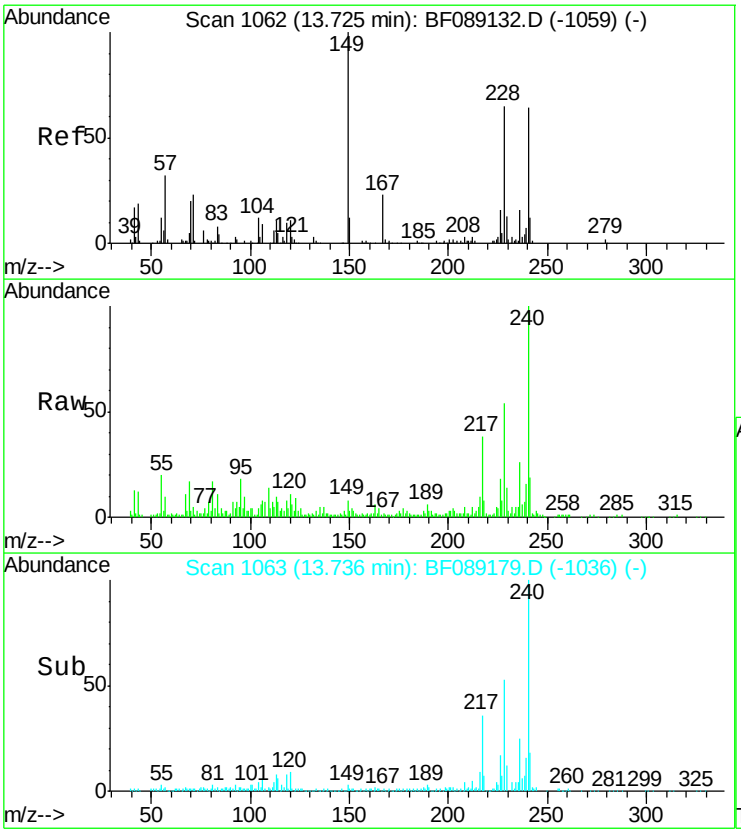
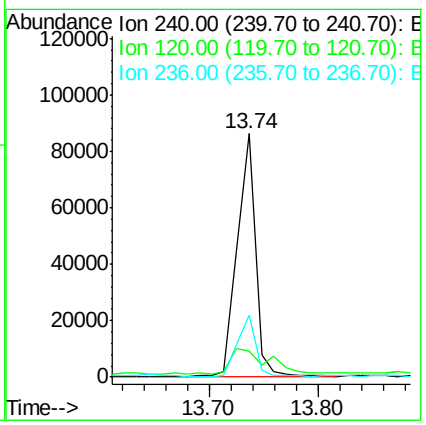
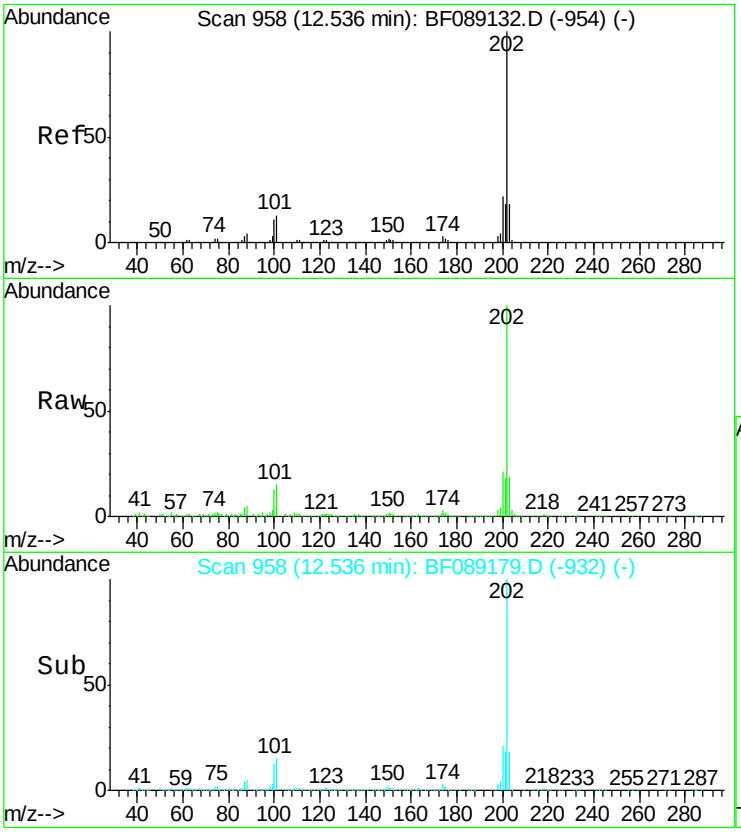


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.74 min Scan# 1063
Delta R.T. 0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:240 Resp: 100573

Ion	Ratio	Lower	Upper
240	100		
120	10.5	13.6	20.4#
236	25.6	20.5	30.7

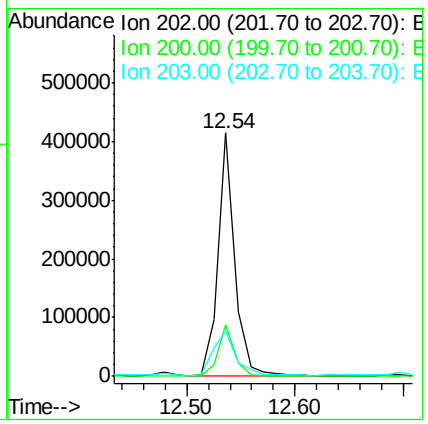




#77
Pyrene
Concen: 53.59 ng
RT: 12.54 min Scan# 958
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:202 Resp: 445135

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	18.6	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
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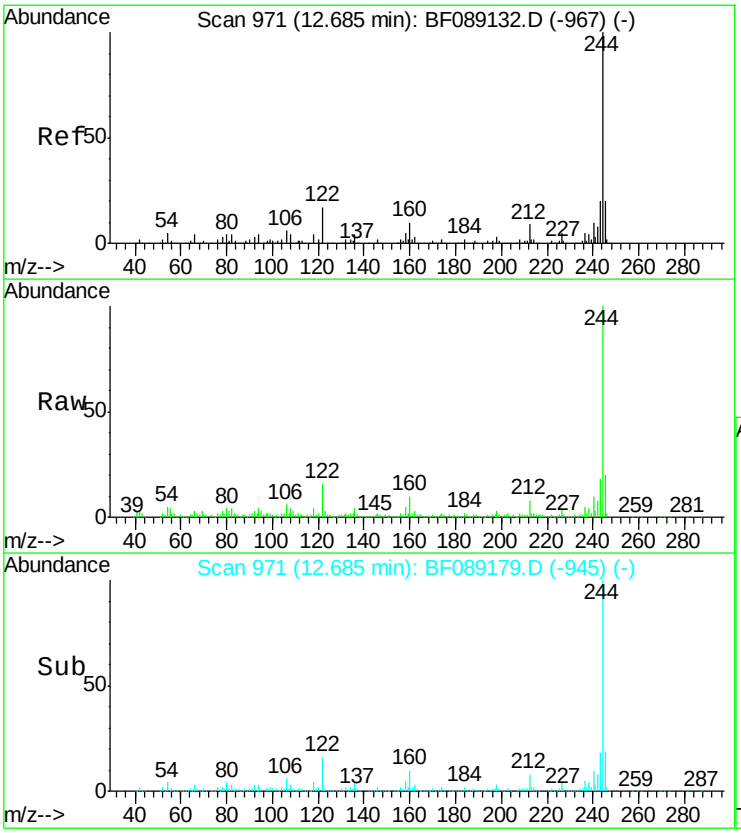
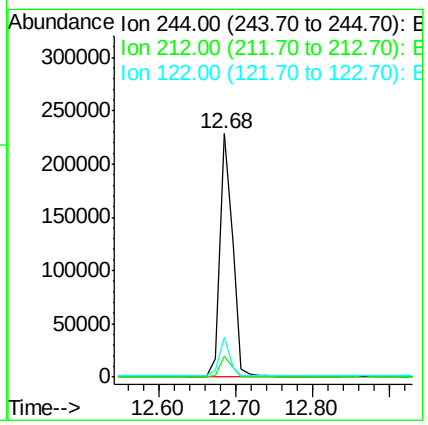
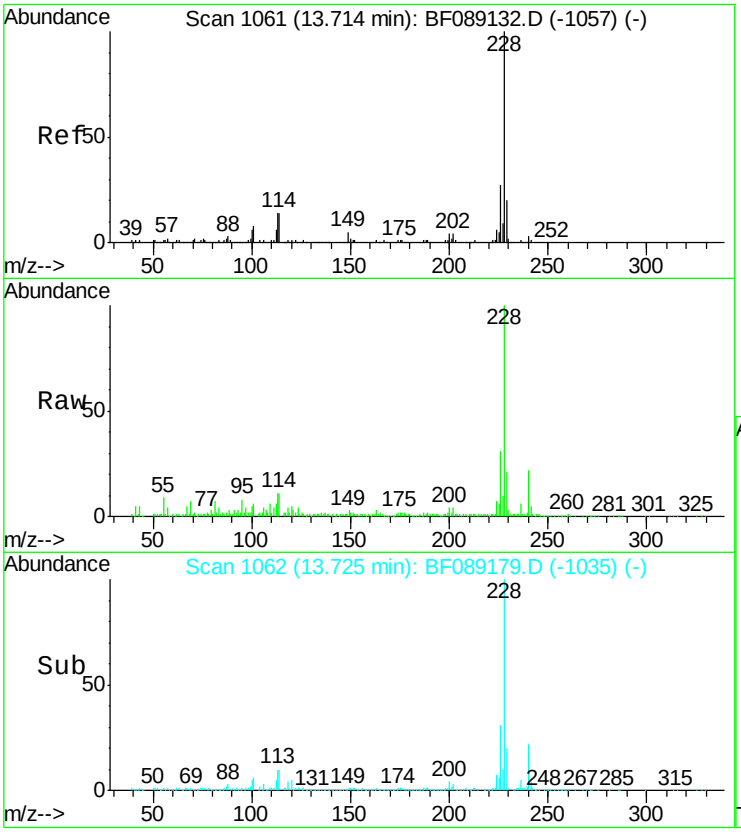


#78
Terphenyl-d14
Concen: 57.39 ng
RT: 12.68 min Scan# 971
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:244 Resp: 266132

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.4
122	16.3	13.8	20.8

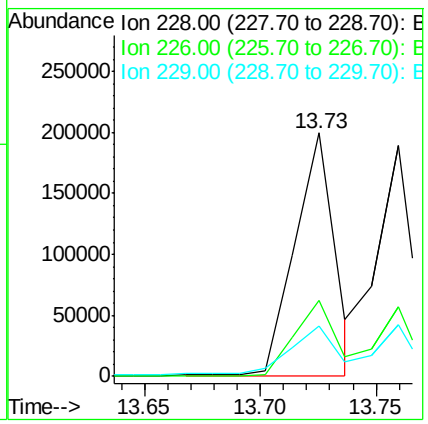




#80
Benzo(a)anthracene
Concen: 37.64 ng m
RT: 13.73 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:228 Resp: 241125

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.8	32.8
229	20.7	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
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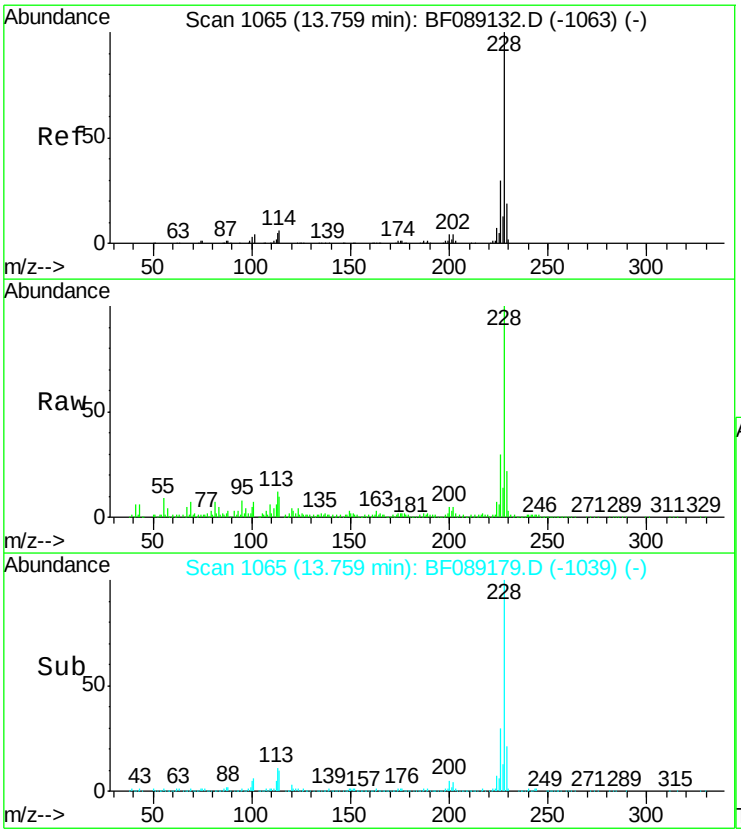
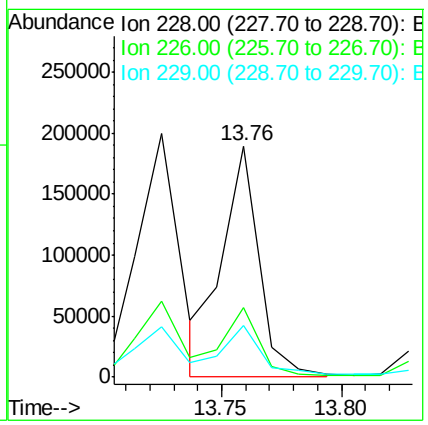
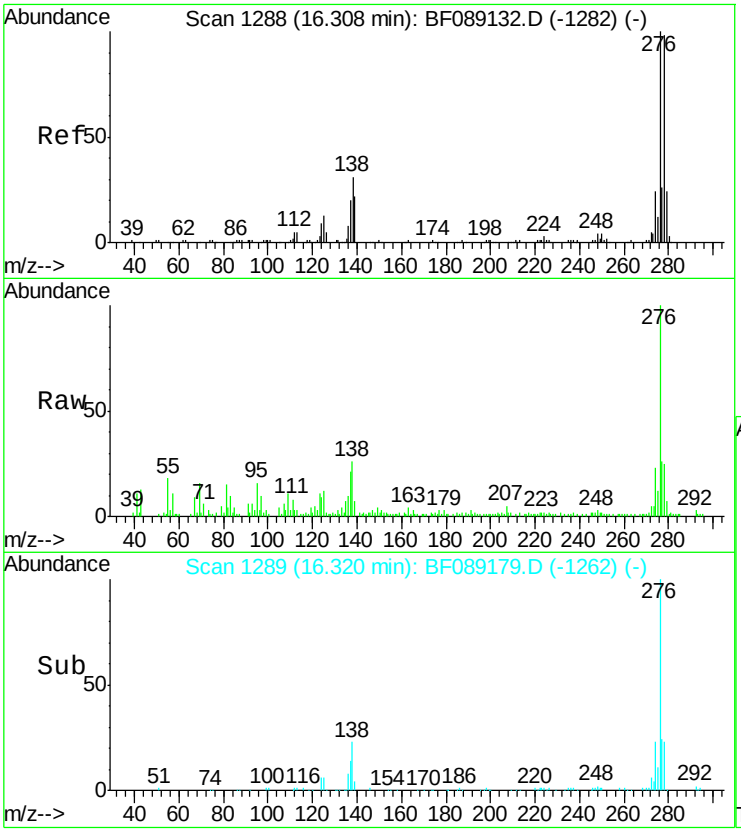


#82
Chrysene
Concen: 33.26 ng m
RT: 13.76 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:228 Resp: 203494

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	22.3	15.4	23.0

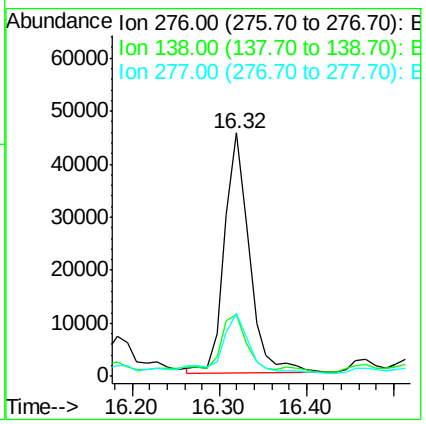




#85
Indeno(1,2,3-cd)pyrene
Concen: 20.15 ng
RT: 16.32 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:276 Resp: 89536

Ion	Ratio	Lower	Upper
276	100		
138	23.1	23.7	35.5#
277	28.6	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
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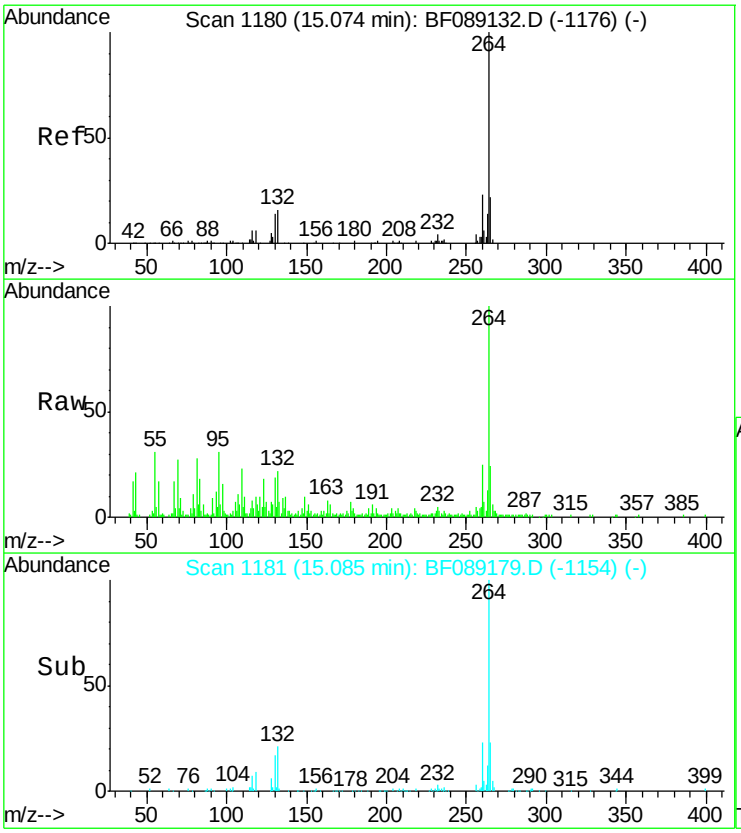
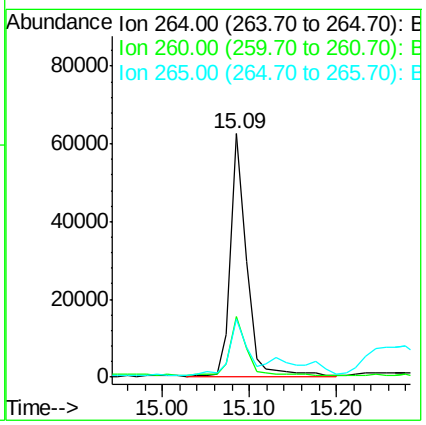
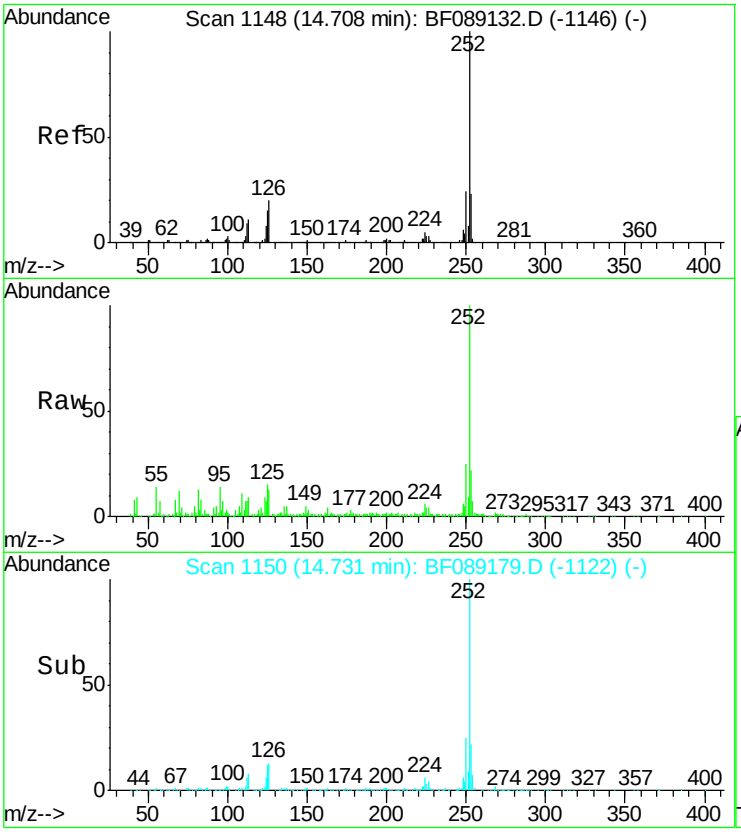


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:264 Resp: 81639

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.5	27.7
265	23.9	17.3	25.9

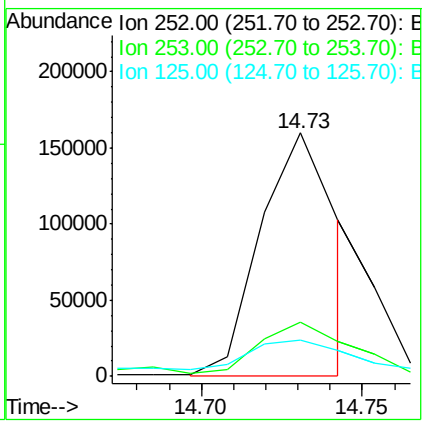




#87
Benzo(b)fluoranthene
Concen: 44.38 ng m
RT: 14.73 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:252 Resp: 262436

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	15.1	11.9	17.9



Instrument :
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ClientSampleId :
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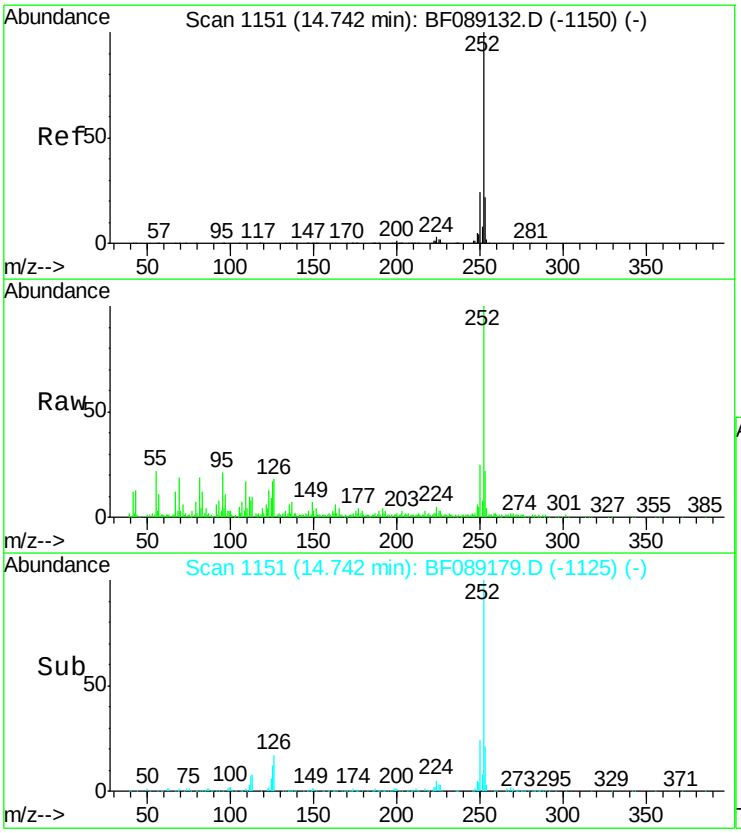
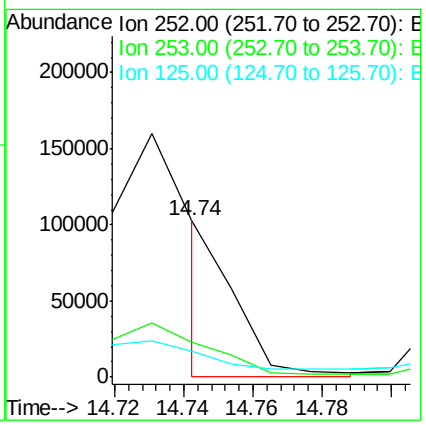
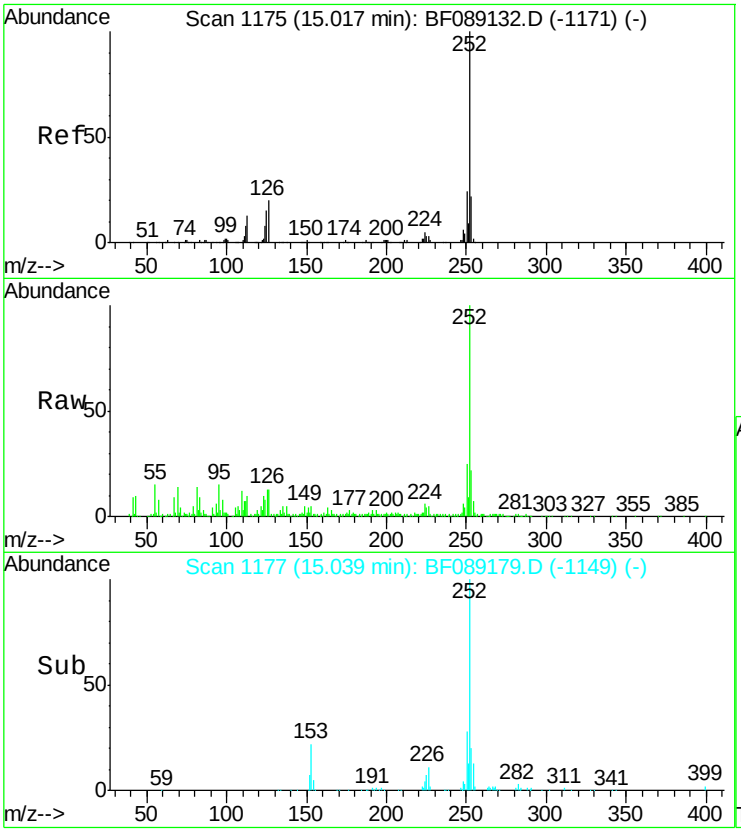


#88
Benzo(k)fluoranthene
Concen: 11.75 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:252 Resp: 49681

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	16.8	6.3	9.5#





#89
Benzo(a)pyrene
Concen: 35.80 ng
RT: 15.04 min Scan# 1177
Delta R.T. 0.02 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:252 Resp: 164318

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	13.0	12.4	18.6

Instrument :
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ClientSampleId :
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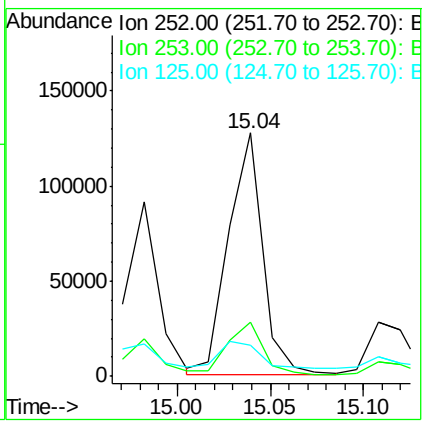
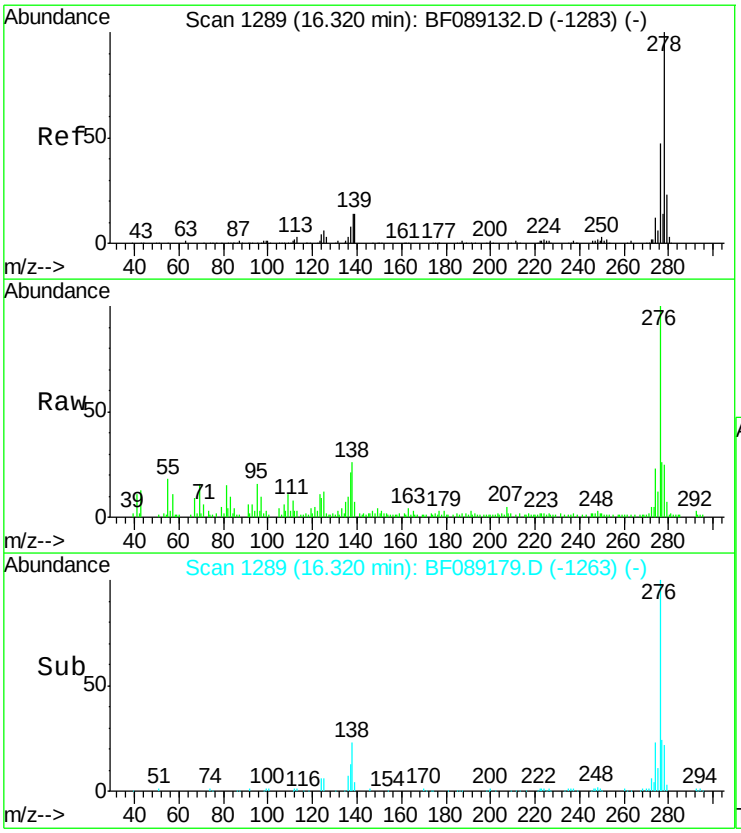
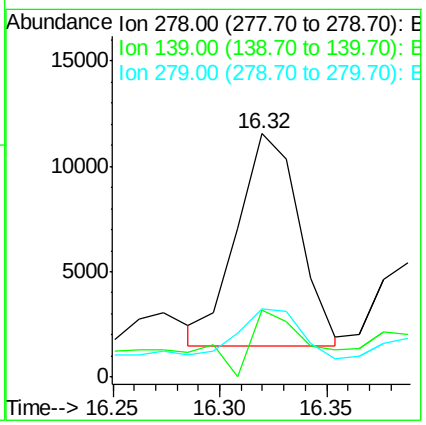


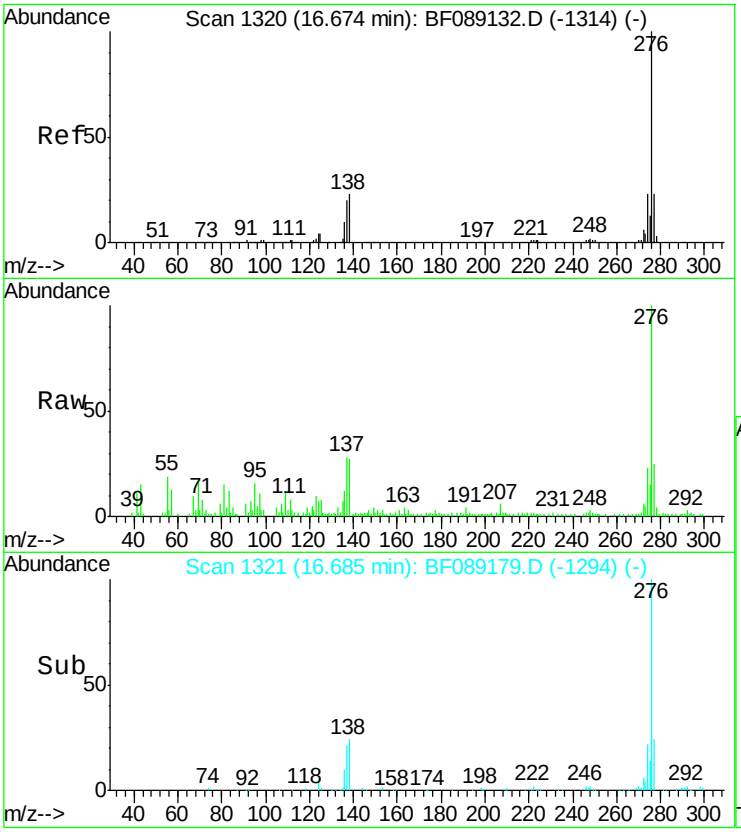


#90
Dibenzo(a,h)anthracene
Concen: 5.65 ng m
RT: 16.32 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:278 Resp: 20482

Ion	Ratio	Lower	Upper
278	100		
139	27.6	11.4	17.2#
279	28.1	18.4	27.6#

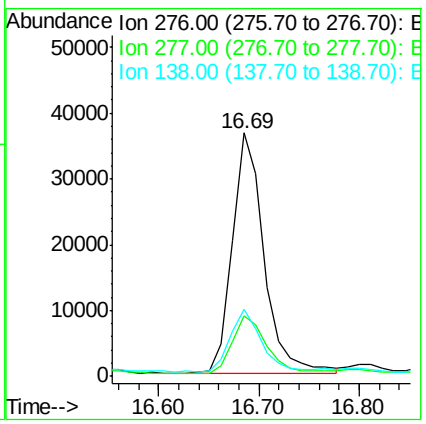




#91
Benzo(g,h,i)perylene
Concen: 21.94 ng
RT: 16.69 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF089179.D
Acq: 21 Jul 2016 14:43

Tgt Ion:276 Resp: 80167

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.5	27.7
138	27.3	18.5	27.7



Instrument :
BNA_F
ClientSampleId :
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