Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
Data File : BF090967.D
Acq On : 1 Nov 2016 22:44
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Manual Integrations APPROVED
Umangi
11/2/2016 5:42:59 PM

Quant Time: Nov 02 02:04:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	182833	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	735468	20.00	ng		-0.02
38) Acenaphthene-d10	9.78	164	360519	20.00	ng		-0.01
63) Phenanthrene-d10	11.25	188	491150	20.00	ng		-0.01
75) Chrysene-d12	13.89	240	359614	20.00	ng		-0.01
86) Perylene-d12	15.30	264	333315	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	1209129	115.63	ng		0.00
7) Phenol-d6	6.38	99	1595801	113.11	ng		-0.01
23) Nitrobenzene-d5	7.31	82	1076601	95.83	ng		-0.01
41) 2,4,6-Tribromophenol	10.57	330	326416	88.10	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	1661869	80.94	ng		-0.01
78) Terphenyl-d14	12.84	244	1144249	80.16	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.40	94	79736	5.13	ng	#	68
31) Naphthalene	8.04	128	125869	3.66	ng		99
48) Acenaphthylene	9.63	152	397471	13.29	ng		97
49) Dimethylphthalate	9.50	163	317682	13.19	ng	#	96
70) Phenanthrene	11.28	178	132521	5.30	ng		97
71) Anthracene	11.33	178	205370	7.80	ng		98
74) Fluoranthene	12.46	202	431441	15.75	ng		96
77) Pyrene	12.69	202	696487	30.60	ng		96
80) Benzo(a)anthracene	13.88	228	383660m	20.10	ng		
82) Chrysene	13.92	228	411114m	21.30	ng		
85) Indeno(1,2,3-cd)pyrene	16.63	276	340746m	19.92	ng		
87) Benzo(b)fluoranthene	14.91	252	813303m	36.29	ng		
88) Benzo(k)fluoranthene	14.92	252	164987m	9.31	ng		
89) Benzo(a)pyrene	15.24	252	602813m	31.30	ng		
90) Dibenzo(a,h)anthracene	16.64	278	98192	6.02	ng	#	84
91) Benzo(g,h,i)perylene	17.04	276	346798	22.59	ng	#	81

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

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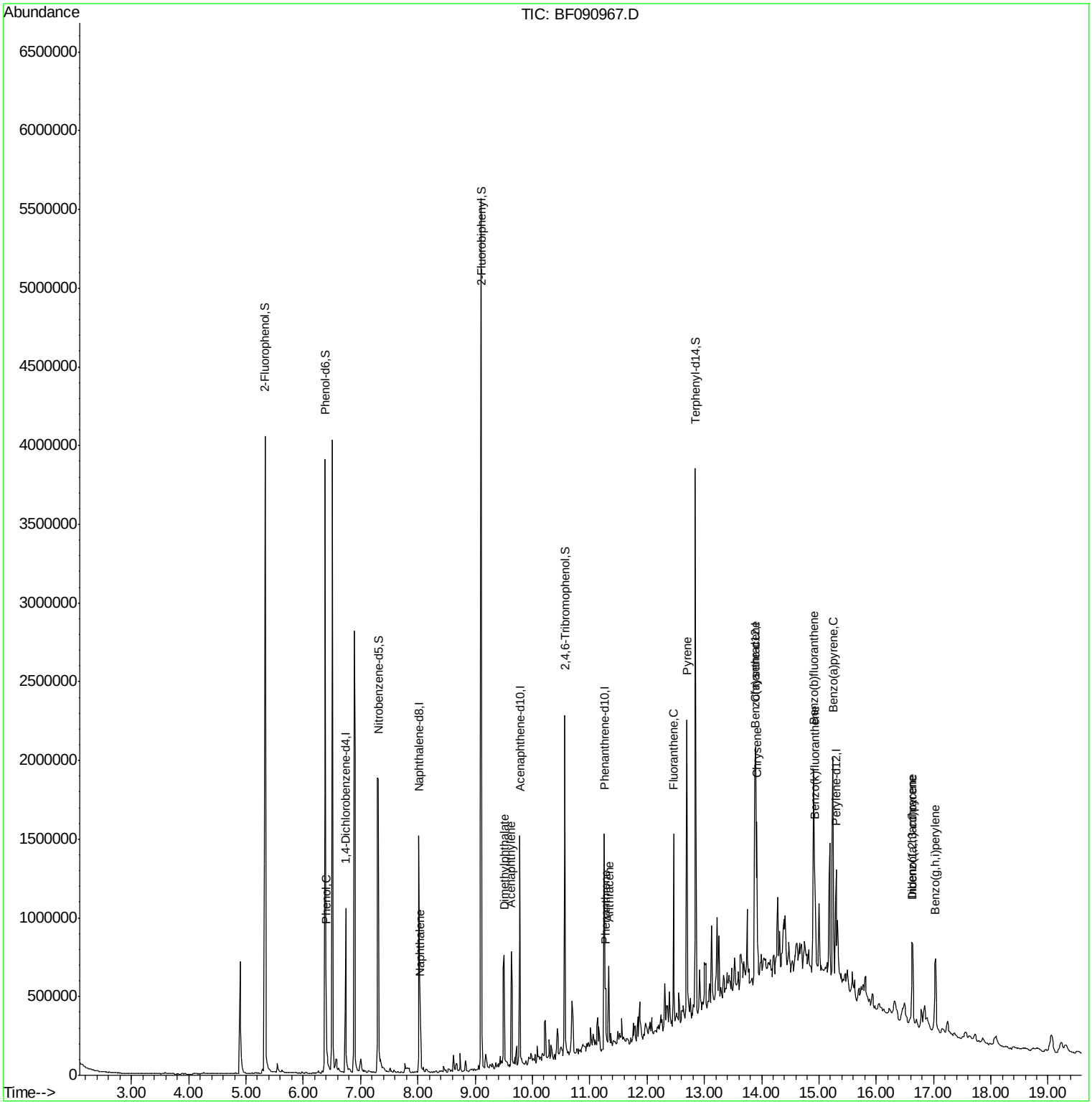
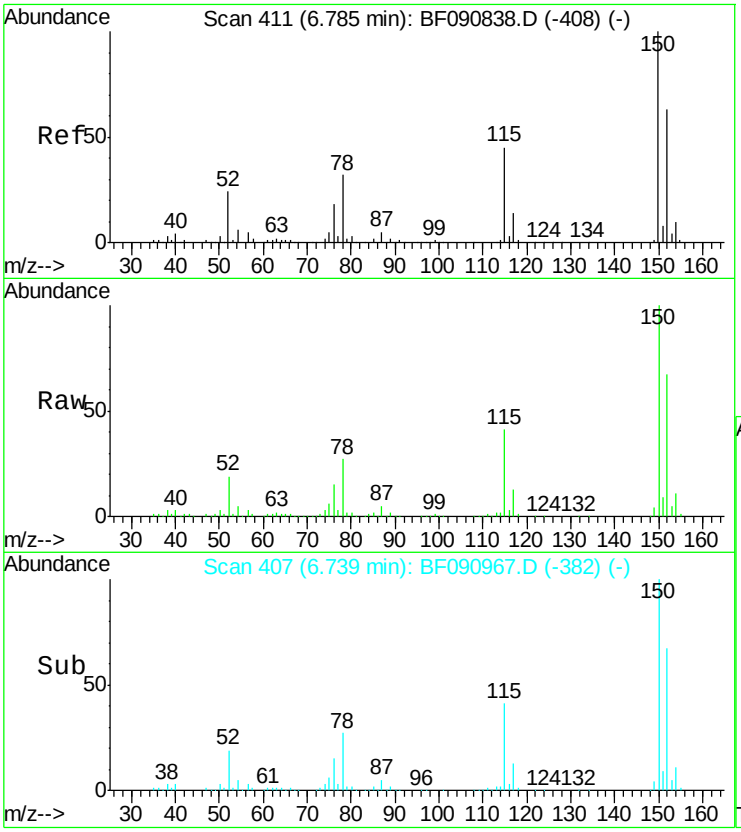
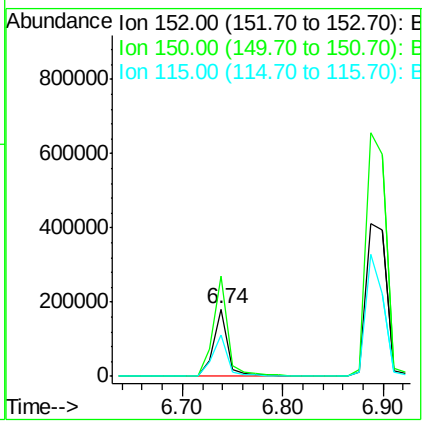




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:152 Resp: 182833

Ion	Ratio	Lower	Upper
152	100		
150	149.2	124.7	187.1
115	60.8	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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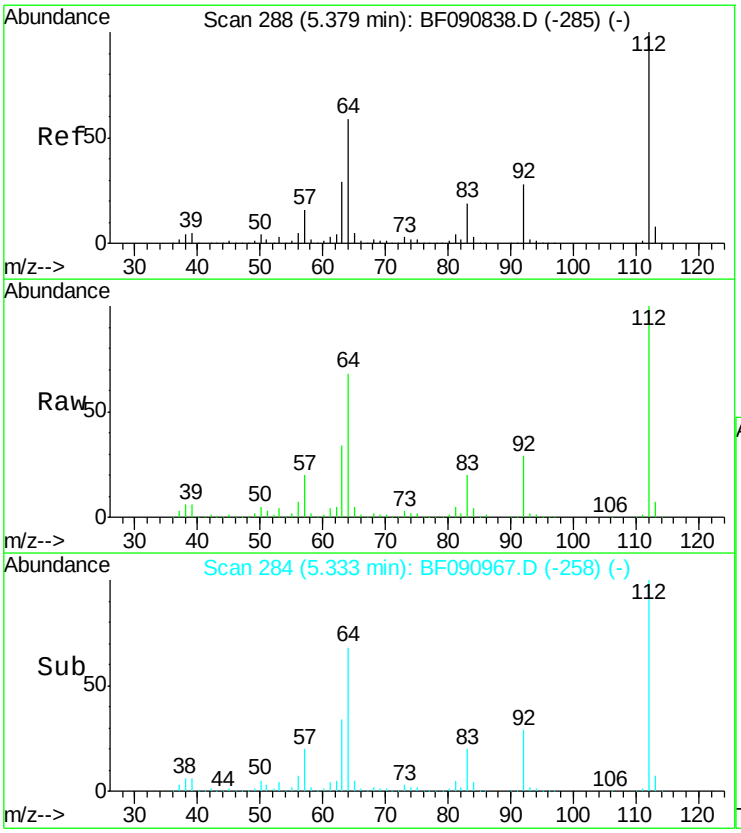
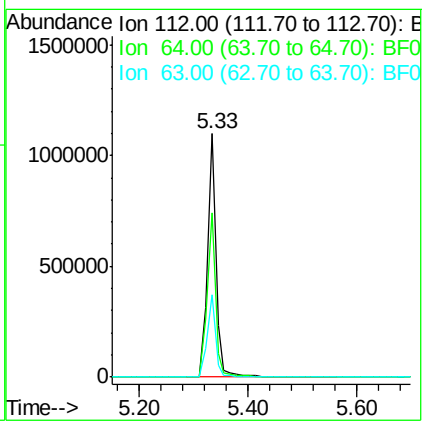
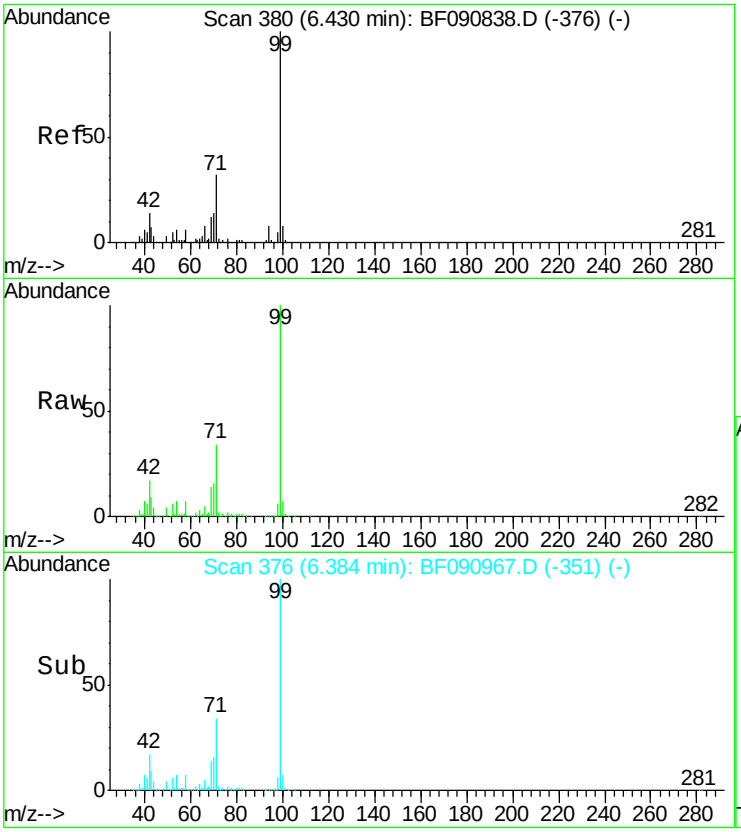


#5
2-Fluorophenol
Concen: 115.63 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:112 Resp: 1209129

Ion	Ratio	Lower	Upper
112	100		
64	67.5	39.7	59.5#
63	33.9	17.4	26.0#

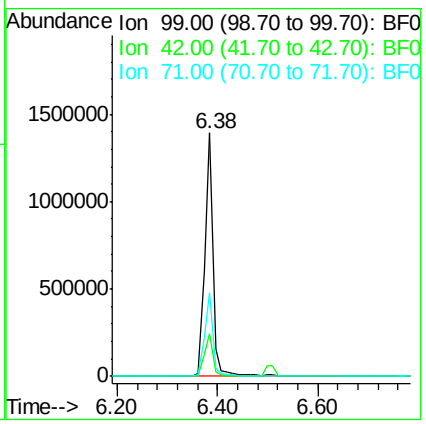




#7
Phenol-d6
Concen: 113.11 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion: 99 Resp: 1595801

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	34.4	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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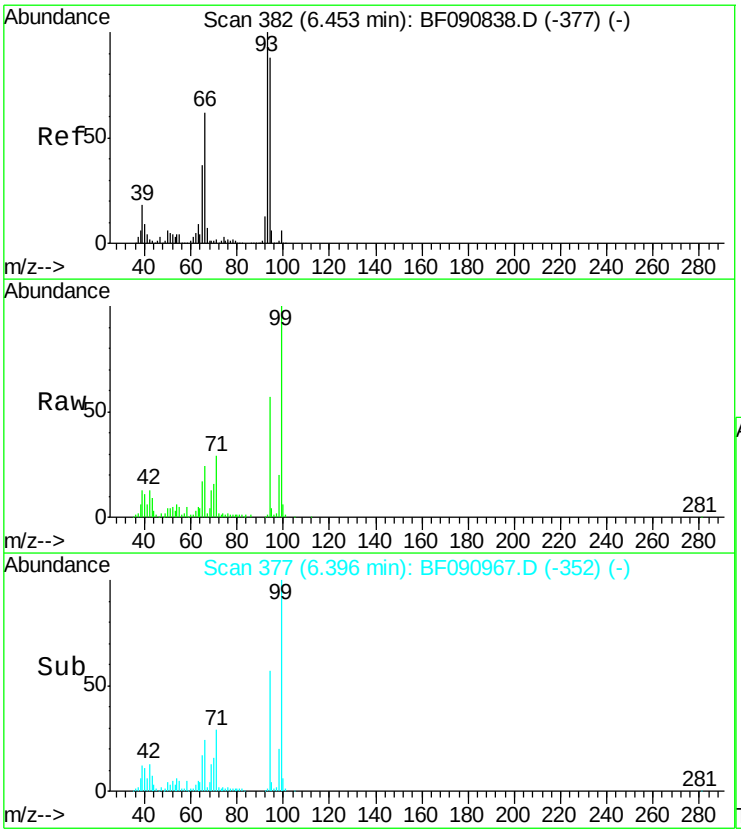
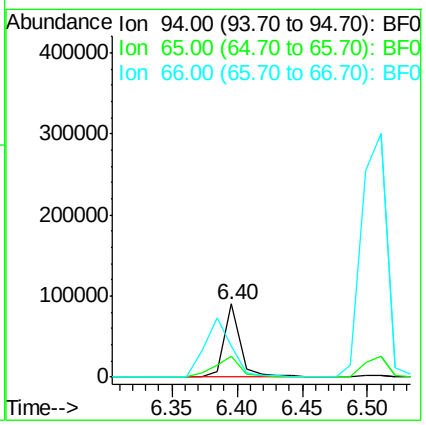
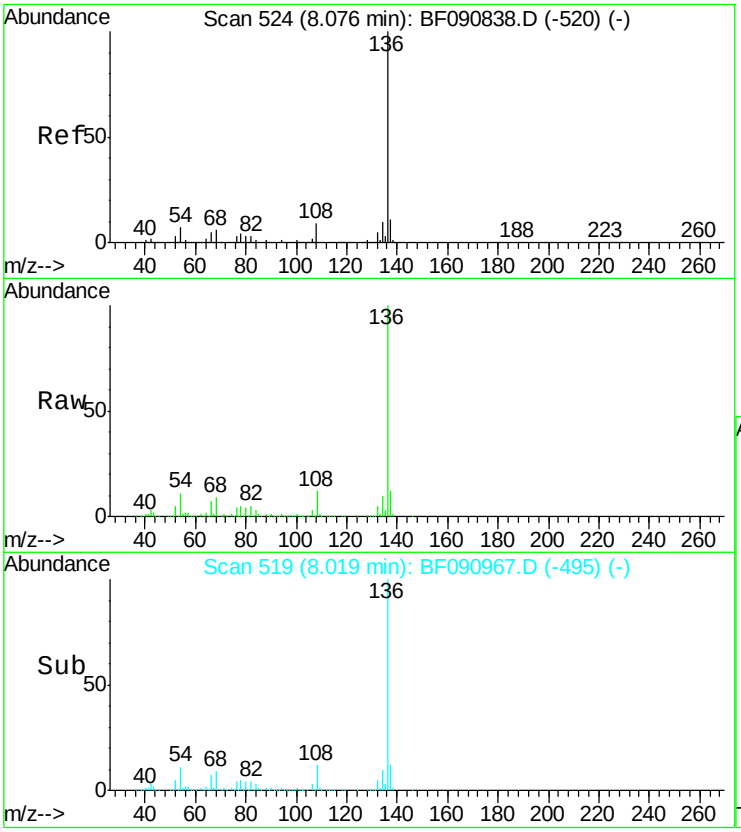


#10
Phenol
Concen: 5.13 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion: 94 Resp: 79736

Ion	Ratio	Lower	Upper
94	100		
65	29.2	0.7	40.7
66	42.0	0.8	40.8#

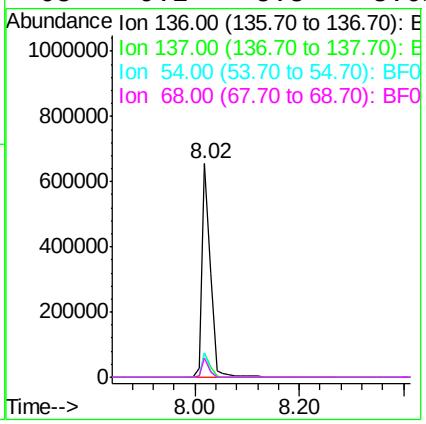




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:136 Resp: 735468

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	11.4	8.2	12.2
68	9.2	5.8	8.6#



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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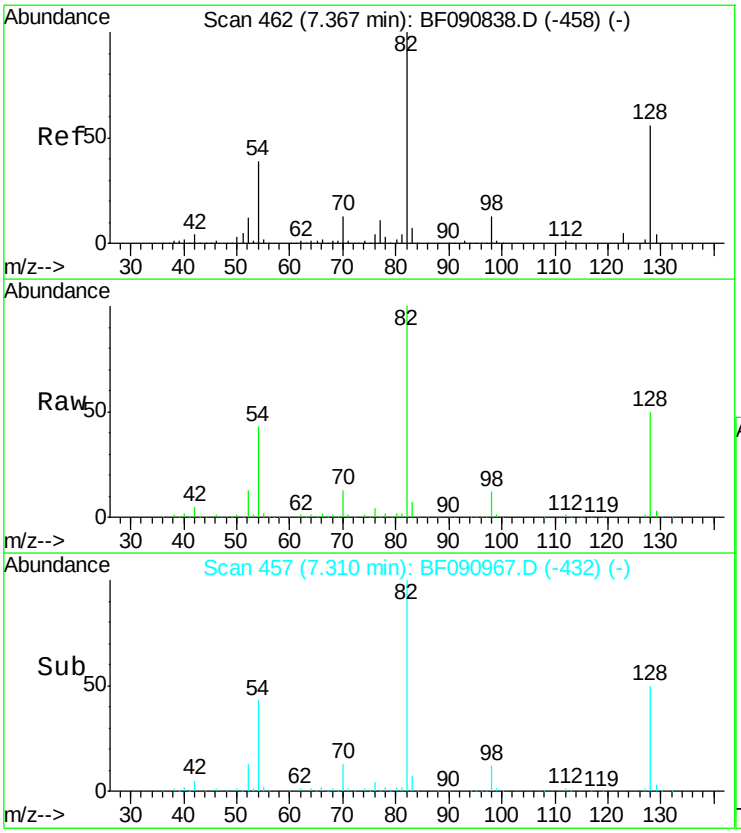
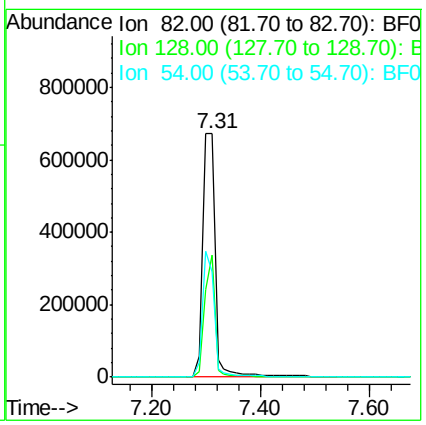
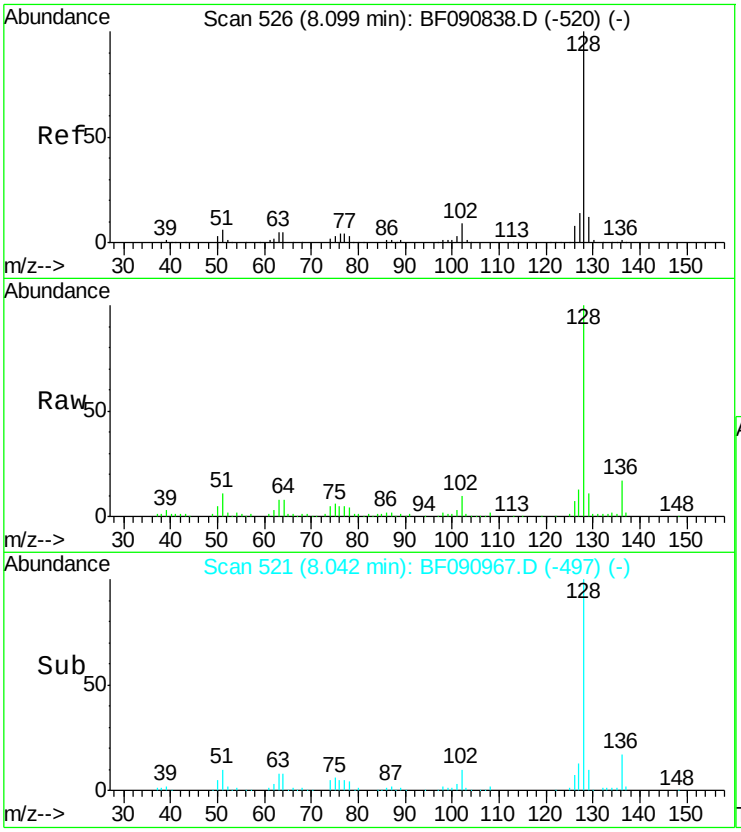


#23
Nitrobenzene-d5
Concen: 95.83 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion: 82 Resp: 1076601

Ion	Ratio	Lower	Upper
82	100		
128	50.1	51.0	76.6#
54	43.0	47.5	71.3#

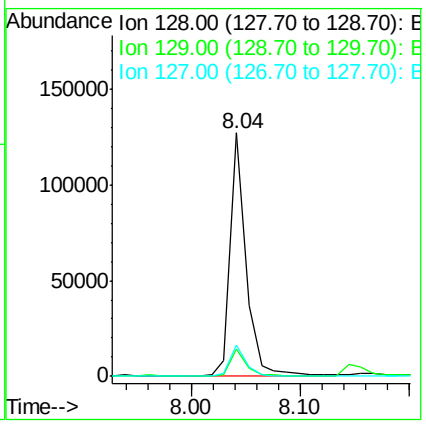




#31
Naphthalene
Concen: 3.66 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:128 Resp: 125869

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	12.8	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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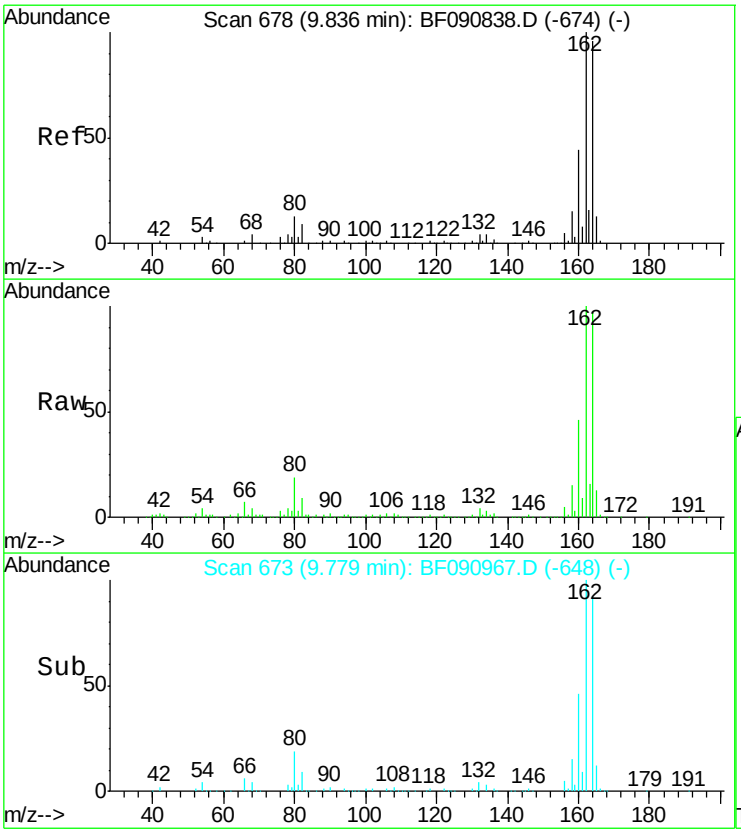
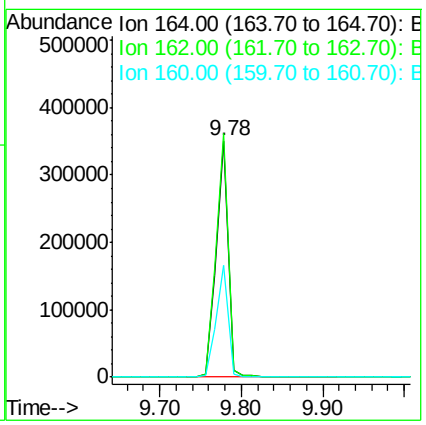
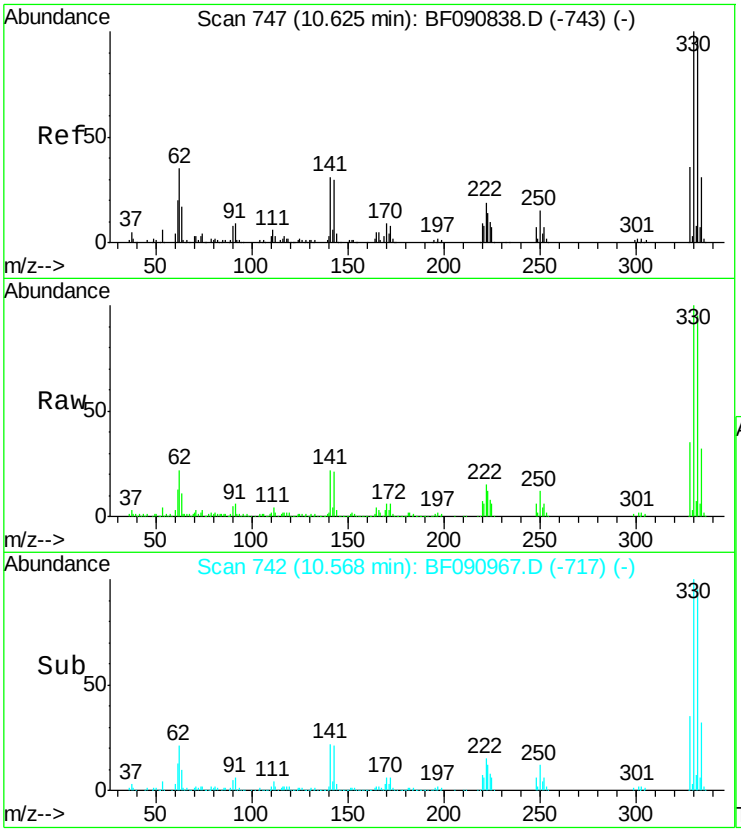


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:164 Resp: 360519

Ion	Ratio	Lower	Upper
164	100		
162	103.0	75.2	112.8
160	47.0	31.5	47.3

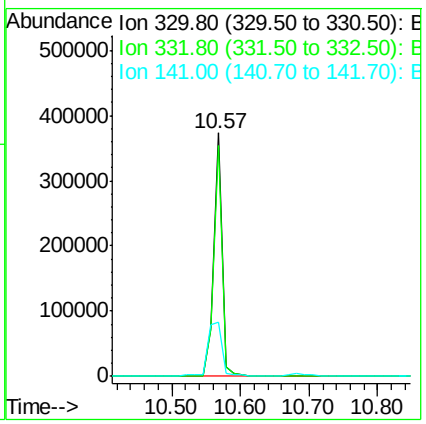




#41
2,4,6-Tribromophenol
Concen: 88.10 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:330 Resp: 326416

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	114.8
141	36.7	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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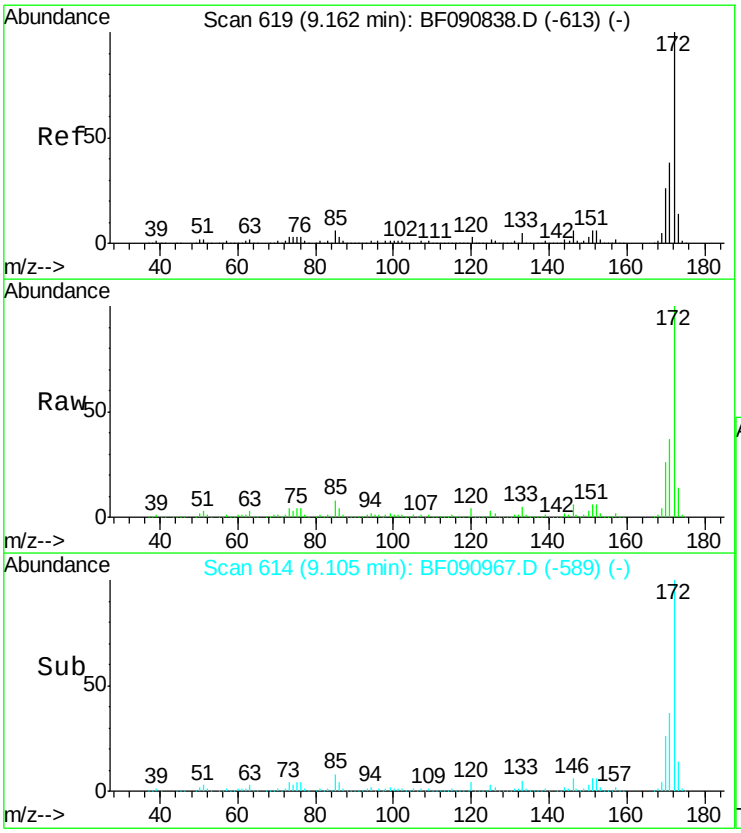
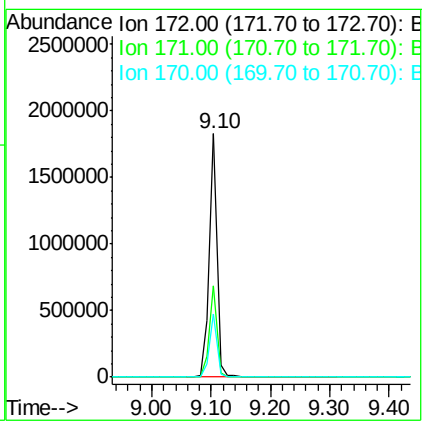
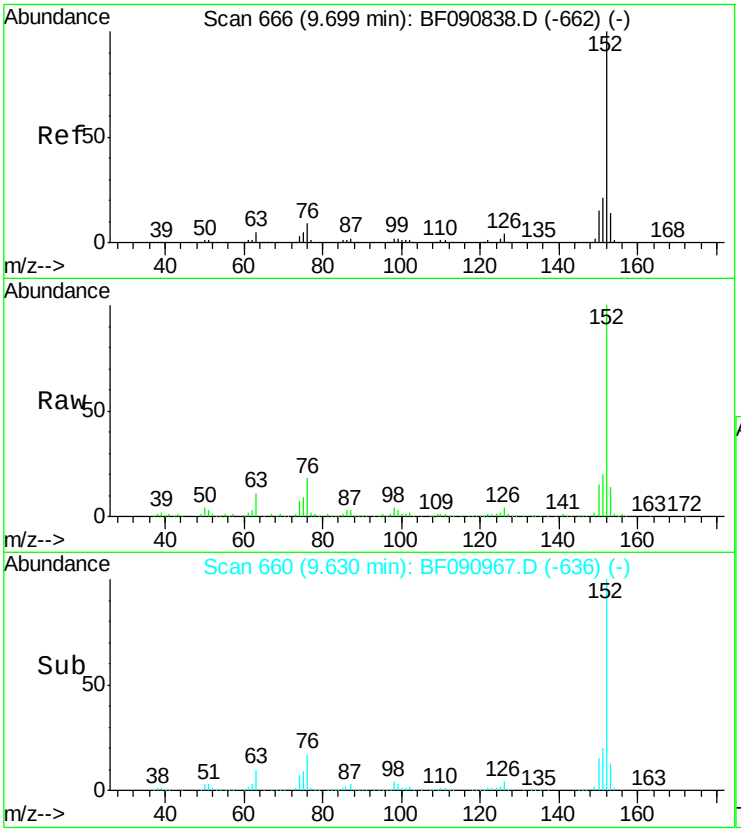


#44
2-Fluorobiphenyl
Concen: 80.94 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:172 Resp: 1661869

Ion	Ratio	Lower	Upper
172	100		
171	37.3	26.1	39.1
170	25.8	17.4	26.2

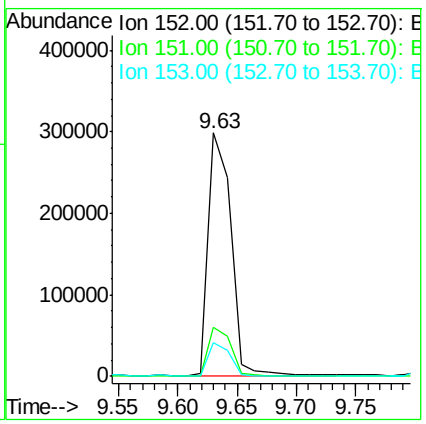




#48
Acenaphthylene
Concen: 13.29 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:152 Resp: 397471

Ion	Ratio	Lower	Upper
152	100		
151	20.2	14.6	22.0
153	13.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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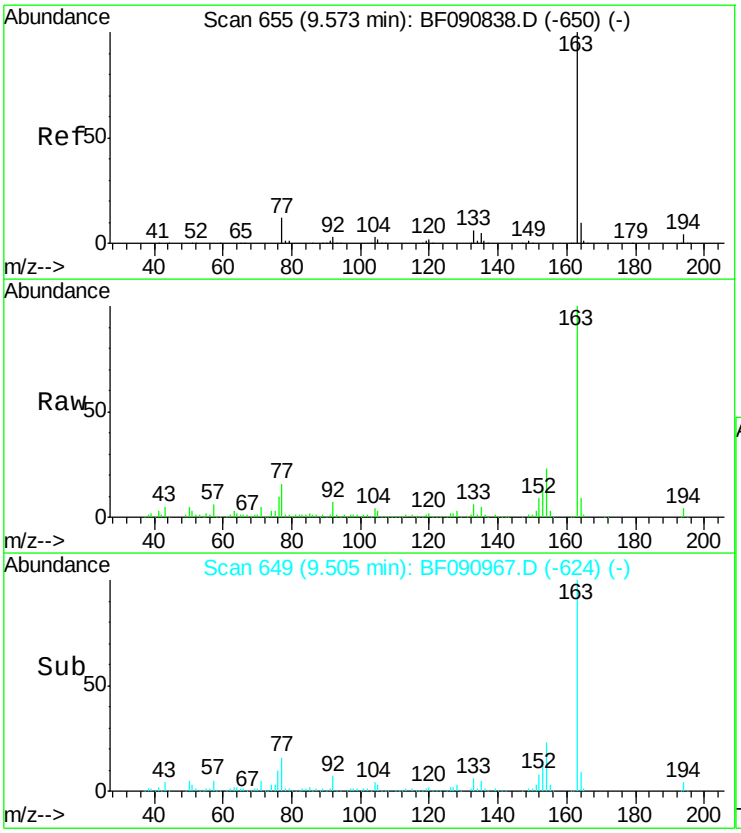
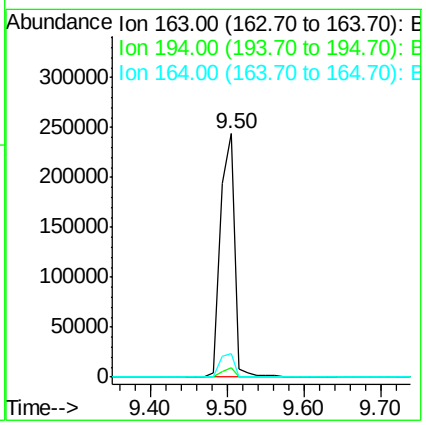
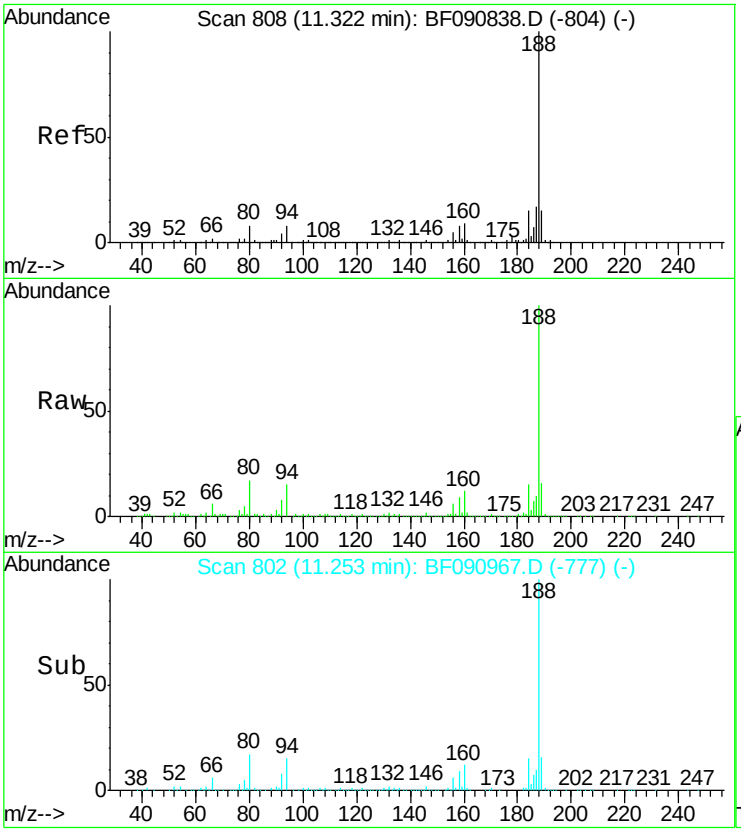


#49
Dimethylphthalate
Concen: 13.19 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:163 Resp: 317682

Ion	Ratio	Lower	Upper
163	100		
194	3.7	4.4	6.6#
164	9.4	8.3	12.5

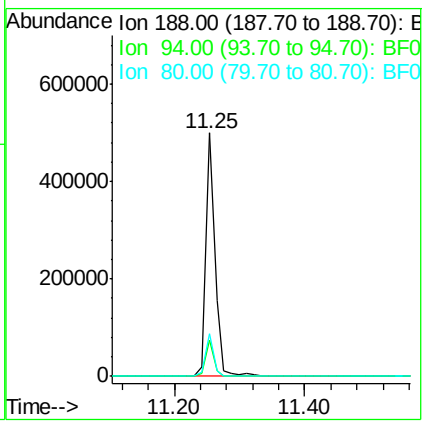




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:188 Resp: 491150

Ion	Ratio	Lower	Upper
188	100		
94	15.0	11.1	16.7
80	17.4	11.0	16.4#



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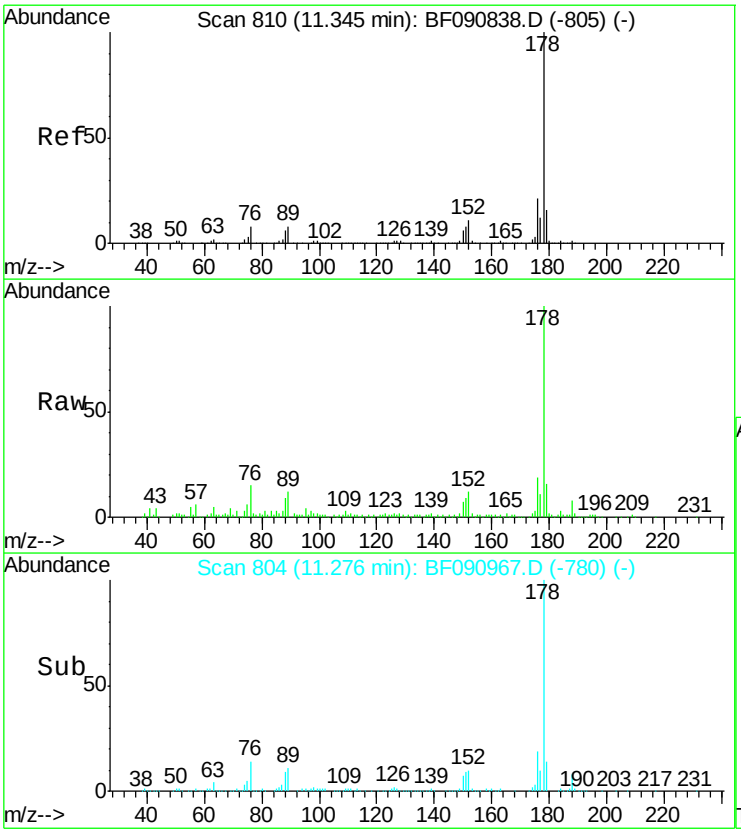
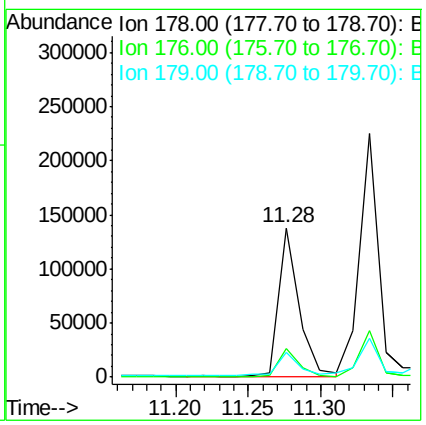
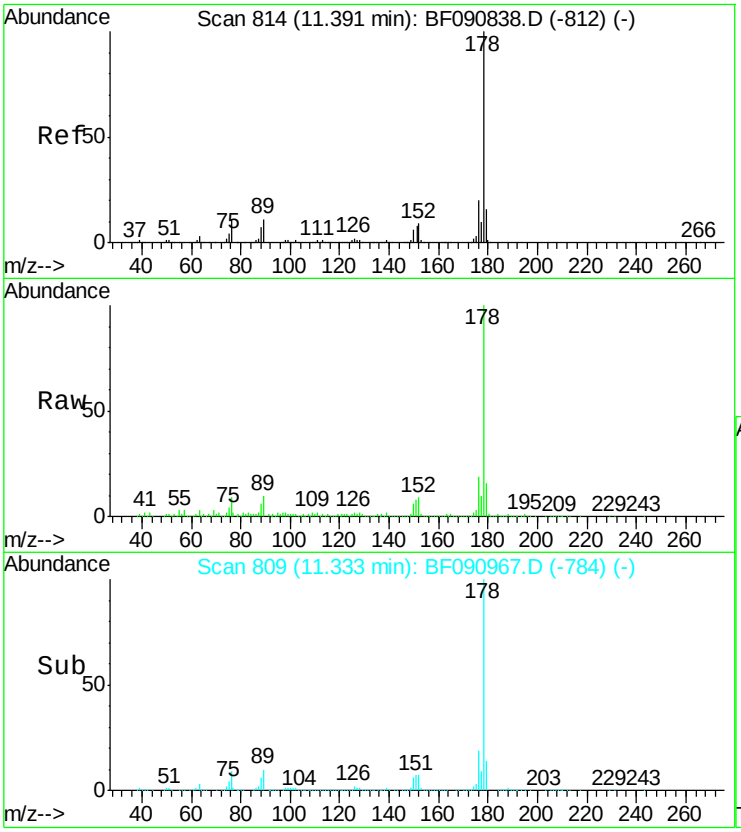


#70
Phenanthrene
Concen: 5.30 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:178 Resp: 132521

Ion	Ratio	Lower	Upper
178	100		
176	19.2	13.8	20.8
179	16.1	12.2	18.2

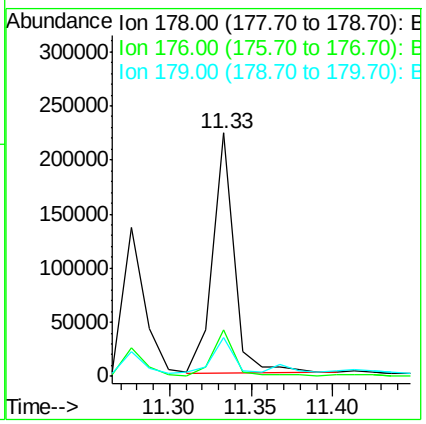




#71
Anthracene
Concen: 7.80 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:178 Resp: 205370

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.1	21.1
179	15.7	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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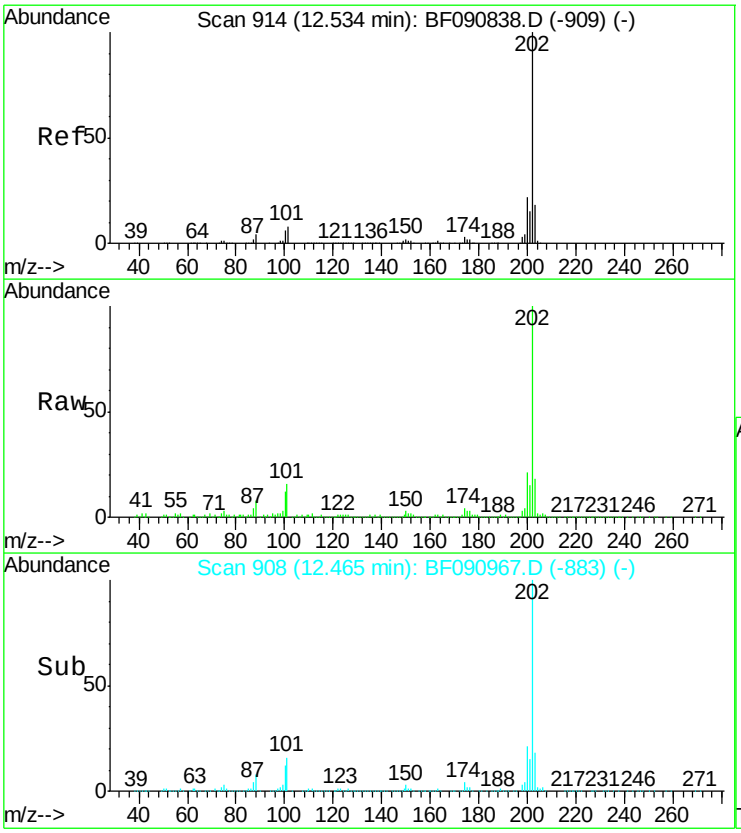
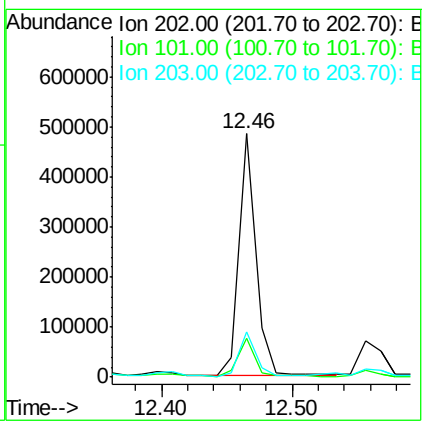
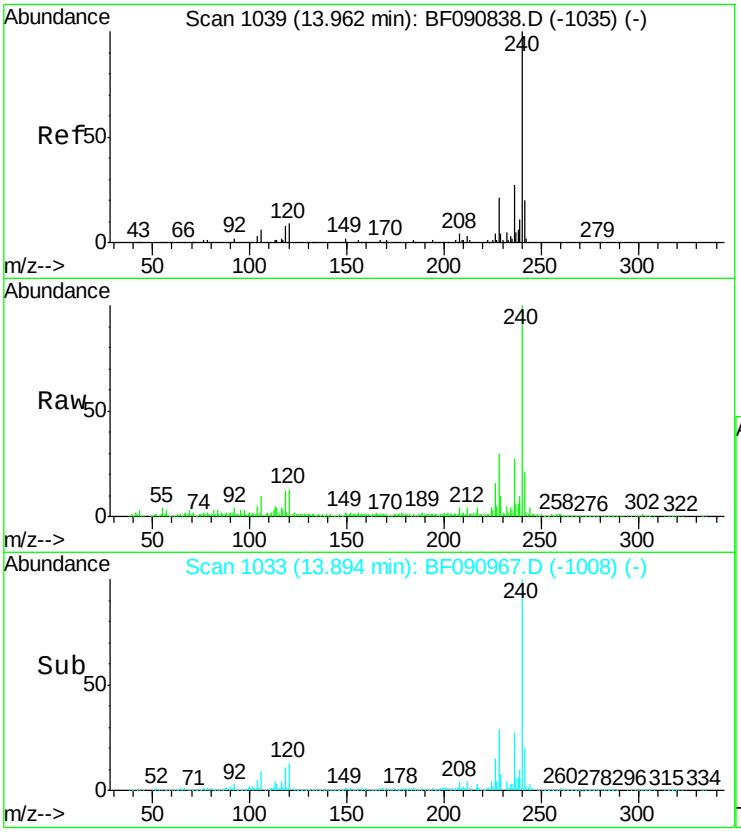


#74
Fluoranthene
Concen: 15.75 ng
RT: 12.46 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:202 Resp: 431441

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	38.3
203	18.4	0.0	37.3

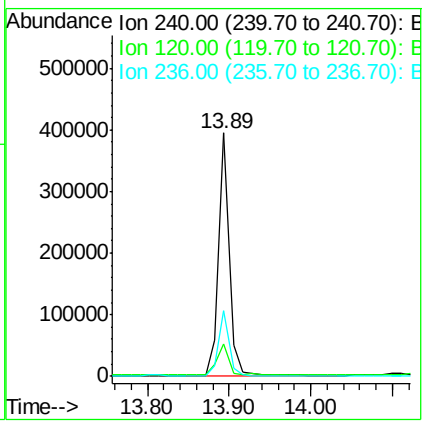




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:240 Resp: 359614

Ion	Ratio	Lower	Upper
240	100		
120	13.5	16.2	24.2#
236	27.0	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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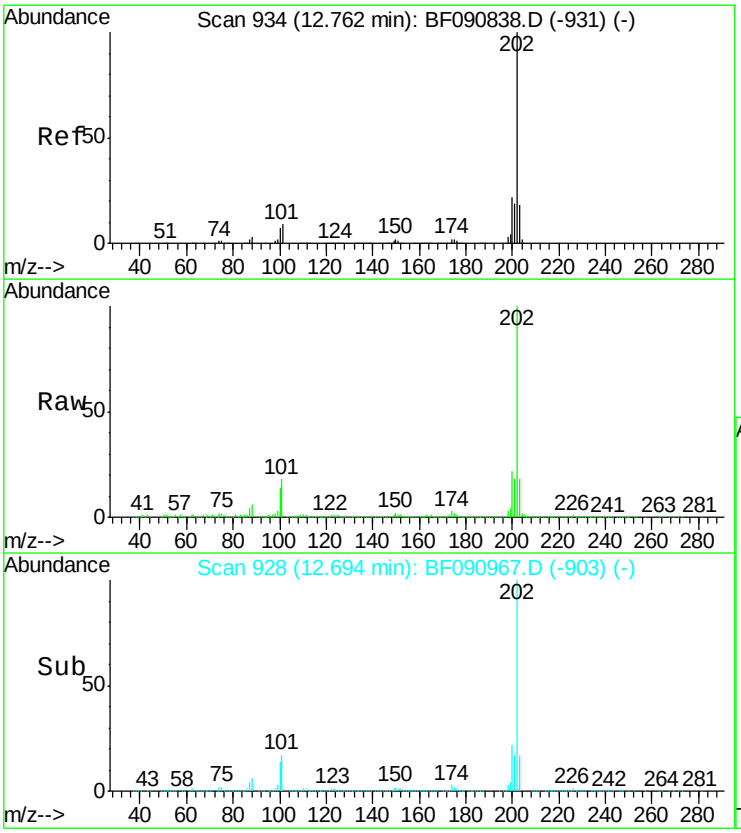
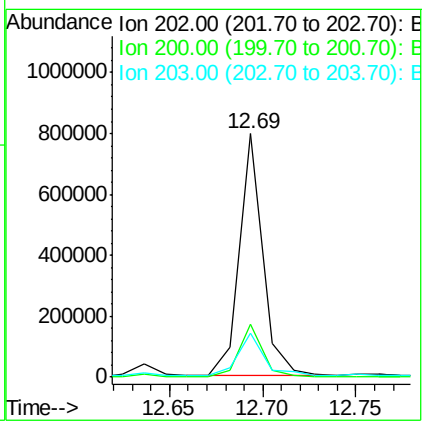
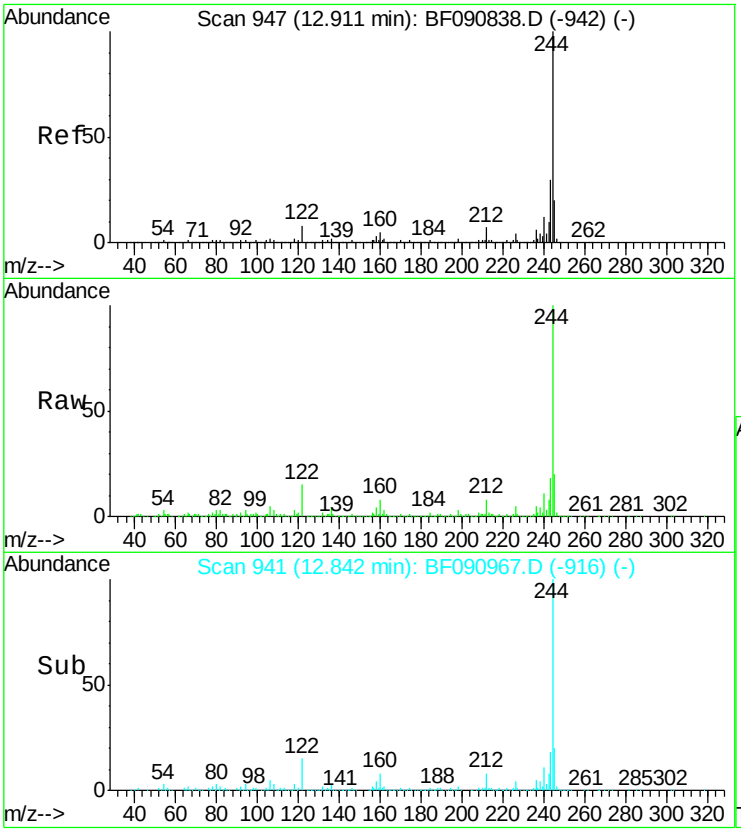


#77
Pyrene
Concen: 30.60 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:202 Resp: 696487

Ion	Ratio	Lower	Upper
202	100		
200	21.9	15.0	22.4
203	18.1	14.1	21.1

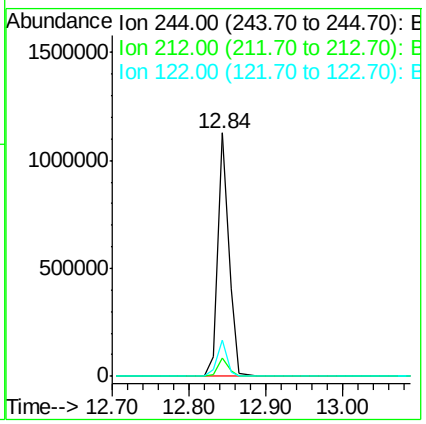




#78
Terphenyl-d14
Concen: 80.16 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:244 Resp: 1144249

Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.3	6.5#
122	15.1	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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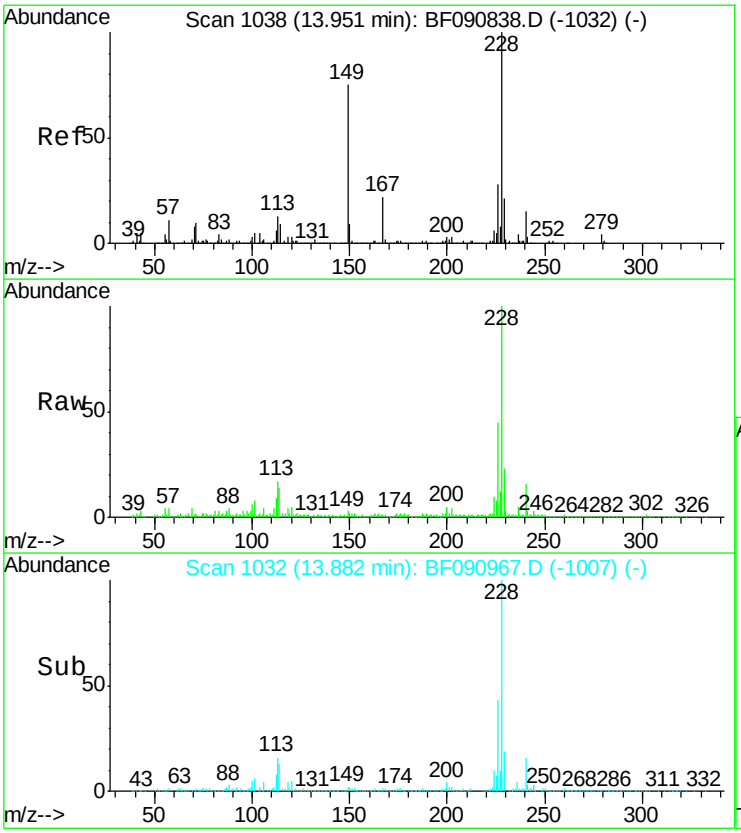
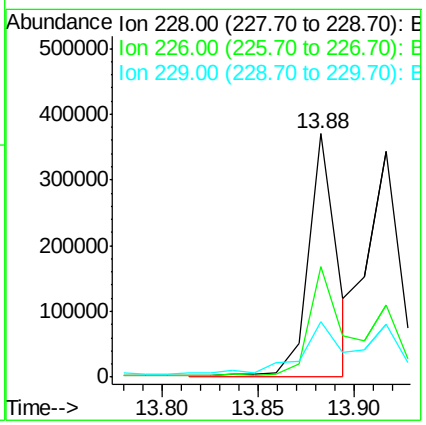
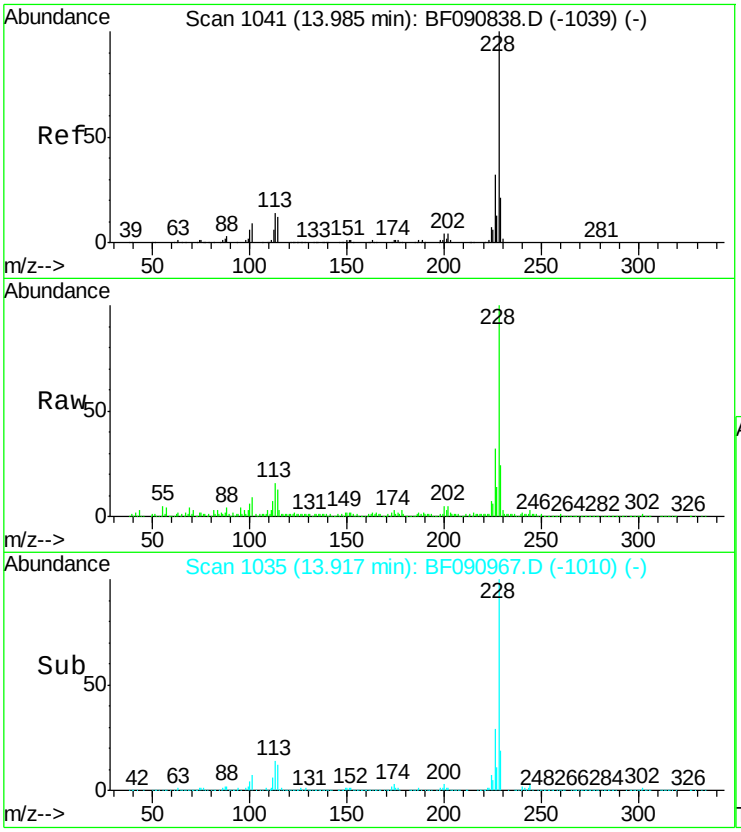


#80
Benzo(a)anthracene
Concen: 20.10 ng m
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:228 Resp: 383660

Ion	Ratio	Lower	Upper
228	100		
226	45.2	20.0	30.0#
229	22.9	15.4	23.2

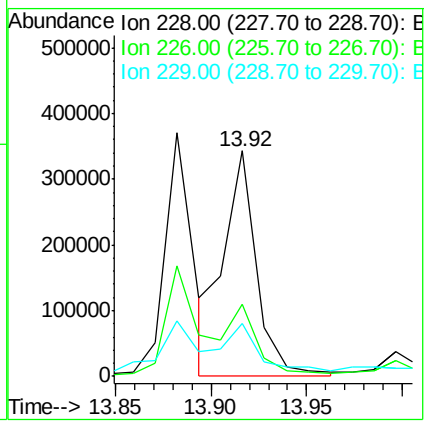




#82
Chrysene
Concen: 21.30 ng m
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:228 Resp: 411114

Ion	Ratio	Lower	Upper
228	100		
226	31.8	21.0	31.4#
229	23.7	15.6	23.4#



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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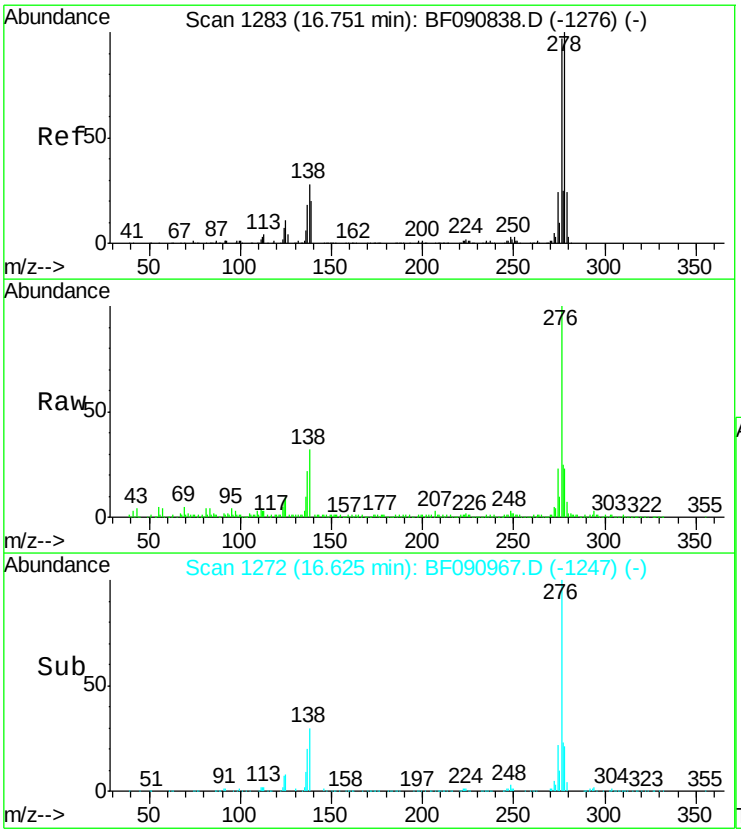
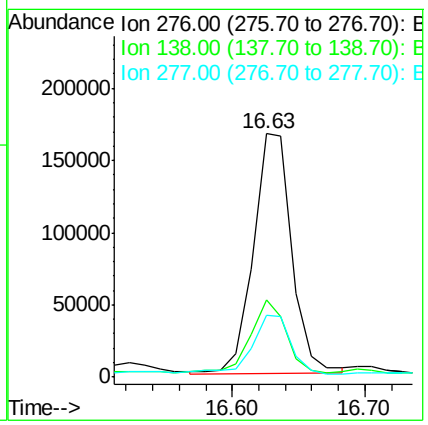
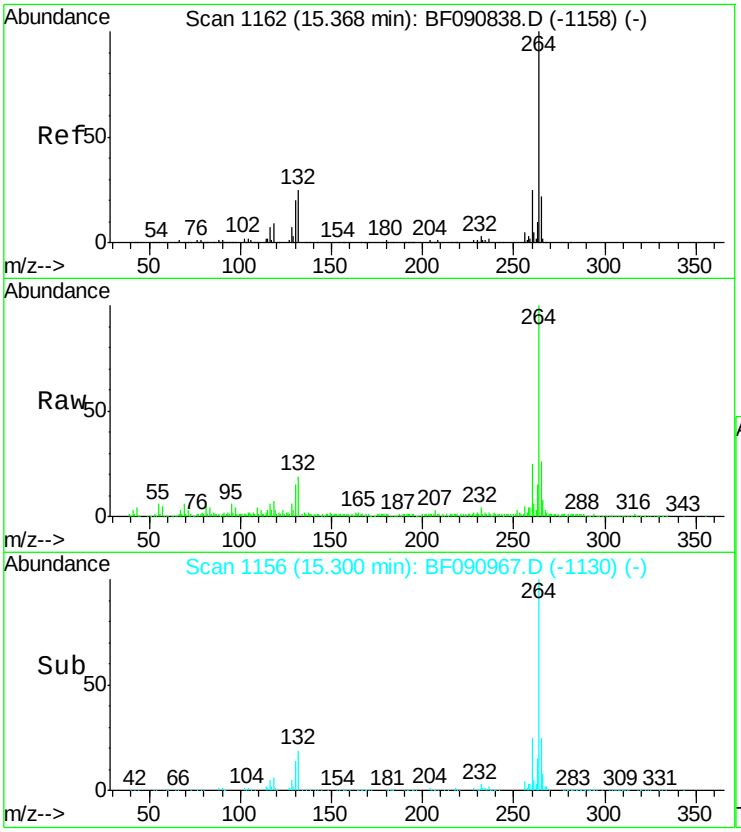


#85
Indeno(1,2,3-cd)pyrene
Concen: 19.92 ng m
RT: 16.63 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:276 Resp: 340746

Ion	Ratio	Lower	Upper
276	100		
138	7.0	25.7	38.5#
277	4.8	15.6	23.4#

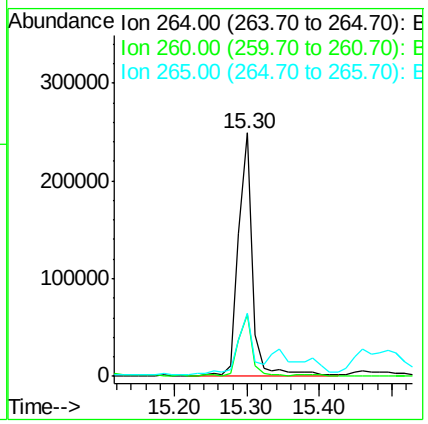




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:264 Resp: 333315

Ion	Ratio	Lower	Upper
264	100		
260	25.4	16.7	25.1#
265	26.1	17.2	25.8#



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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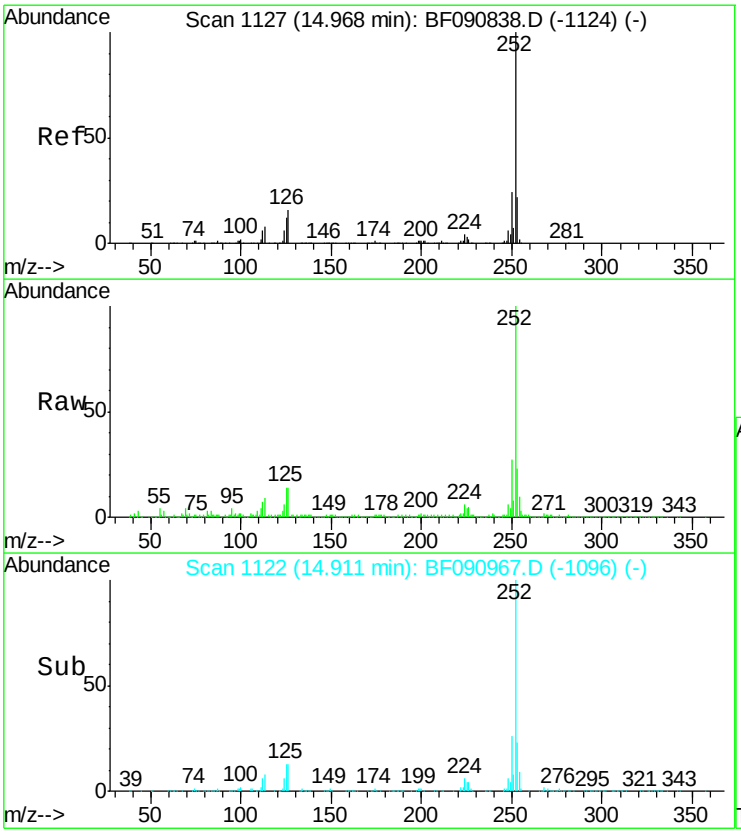
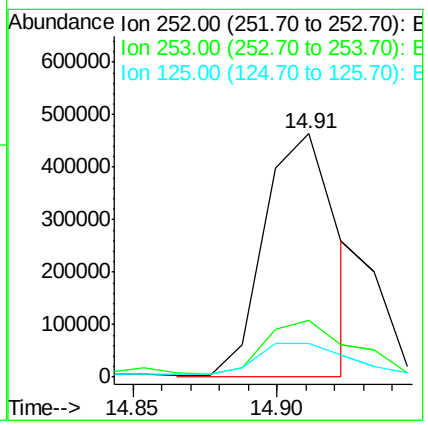
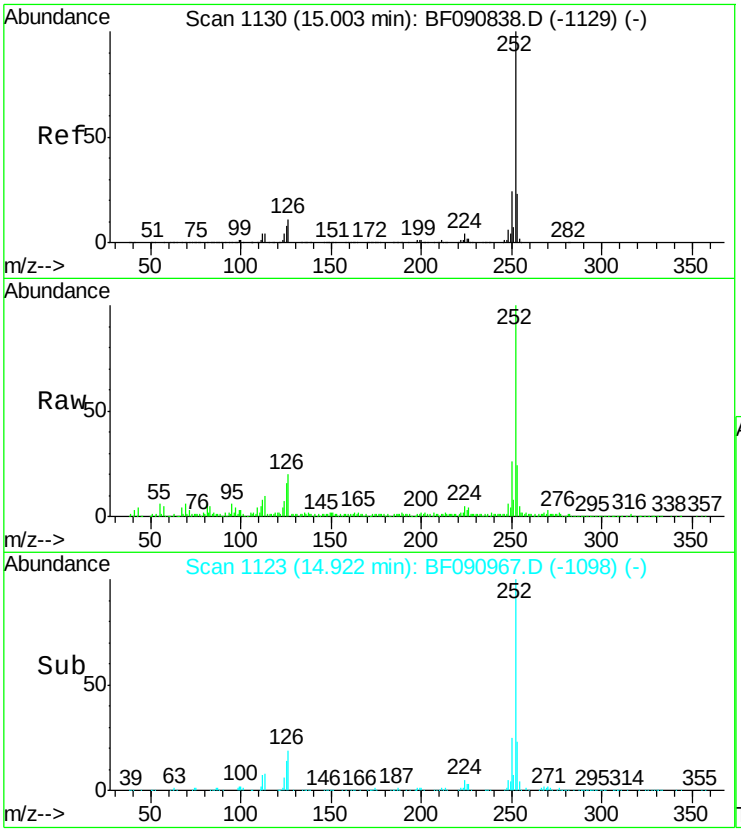


#87
Benzo(b)fluoranthene
Concen: 36.29 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:252 Resp: 813303

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.7	17.1	25.7#

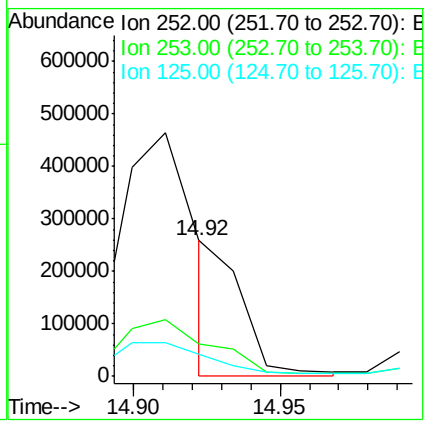




#88
Benzo(k)fluoranthene
Concen: 9.31 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:252 Resp: 164987

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.4
125	16.2	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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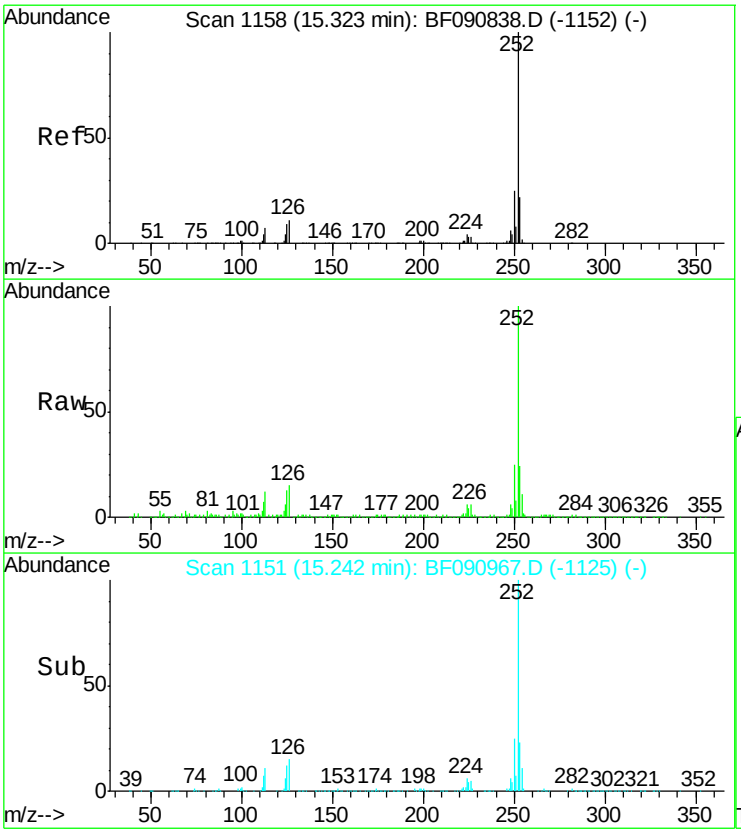
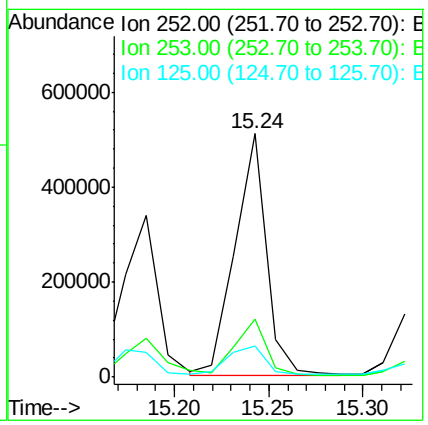
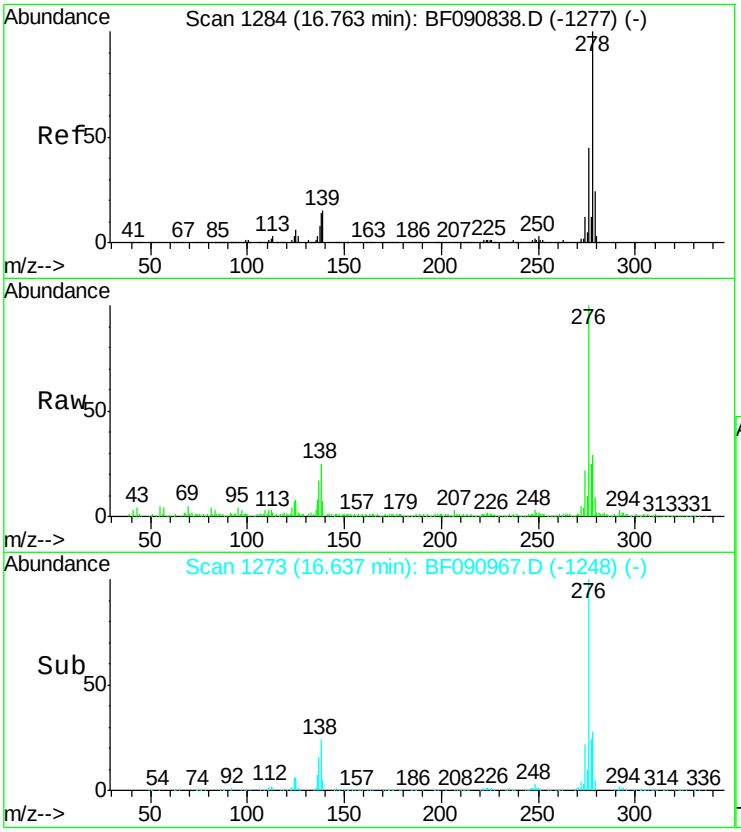


#89
Benzo(a)pyrene
Concen: 31.30 ng m
RT: 15.24 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:252 Resp: 602813

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.7	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 6.02 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:278 Resp: 98192

Ion	Ratio	Lower	Upper
278	100		
139	23.6	26.3	39.5#
279	30.8	18.2	27.4#

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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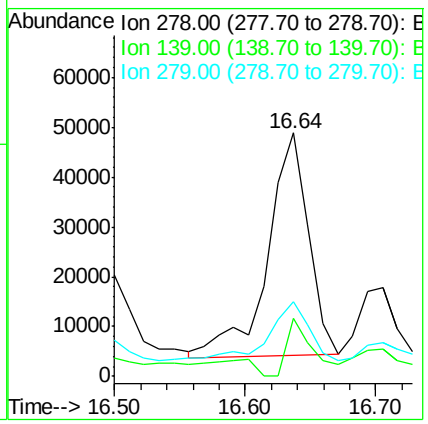

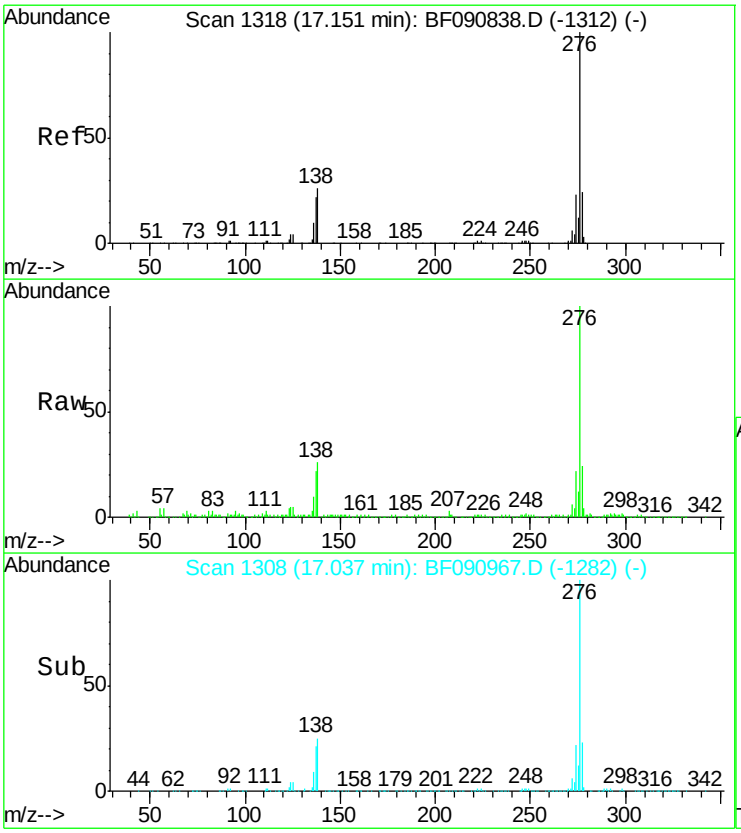

#91
Benzo(g,h,i)perylene
Concen: 22.59 ng
RT: 17.04 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BF090967.D
Acq: 1 Nov 2016 22:44

Tgt Ion:276 Resp: 346798

Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.8	26.6
138	26.2	34.6	51.8#