Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
Data File : BF090966.D
Acq On : 1 Nov 2016 22:16
Operator : UM/SJ
Sample : H5463-03RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations APPROVED
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11/2/2016 5:42:01 PM

Quant Time: Nov 02 13:18:34 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	170655m	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	747163	20.00	ng		-0.02
38) Acenaphthene-d10	9.78	164	385931	20.00	ng		-0.01
63) Phenanthrene-d10	11.25	188	541239	20.00	ng		-0.01
75) Chrysene-d12	13.89	240	374795	20.00	ng		-0.01
86) Perylene-d12	15.29	264	332678	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	1318238	135.06	ng		0.00
7) Phenol-d6	6.38	99	1715035	130.24	ng		-0.01
23) Nitrobenzene-d5	7.30	82	1219737	106.87	ng		-0.02
41) 2,4,6-Tribromophenol	10.57	330	380760	96.00	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	1906318	86.74	ng		-0.01
78) Terphenyl-d14	12.84	244	1602205	107.70	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.40	94	88678	6.11	ng		72
48) Acenaphthylene	9.63	152	196949	6.15	ng		97
49) Dimethylphthalate	9.50	163	391182	15.17	ng	#	97
57) Fluorene	10.32	166	64701	2.78	ng	#	89
70) Phenanthrene	11.28	178	552660	20.05	ng		96
71) Anthracene	11.33	178	251105	8.65	ng		98
74) Fluoranthene	12.46	202	1383681	45.84	ng		98
77) Pyrene	12.69	202	1141989m	48.15	ng		
80) Benzo(a)anthracene	13.88	228	770758	38.75	ng	#	76
82) Chrysene	13.92	228	480061m	23.86	ng		
85) Indeno(1,2,3-cd)pyrene	16.63	276	360527m	20.22	ng		
87) Benzo(b)fluoranthene	14.91	252	796898m	35.62	ng		
88) Benzo(k)fluoranthene	14.91	252	407839m	23.07	ng		
89) Benzo(a)pyrene	15.24	252	673689m	35.05	ng		
90) Dibenzo(a,h)anthracene	16.64	278	98223	6.04	ng	#	81
91) Benzo(g,h,i)perylene	17.03	276	286943	18.72	ng	#	85

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

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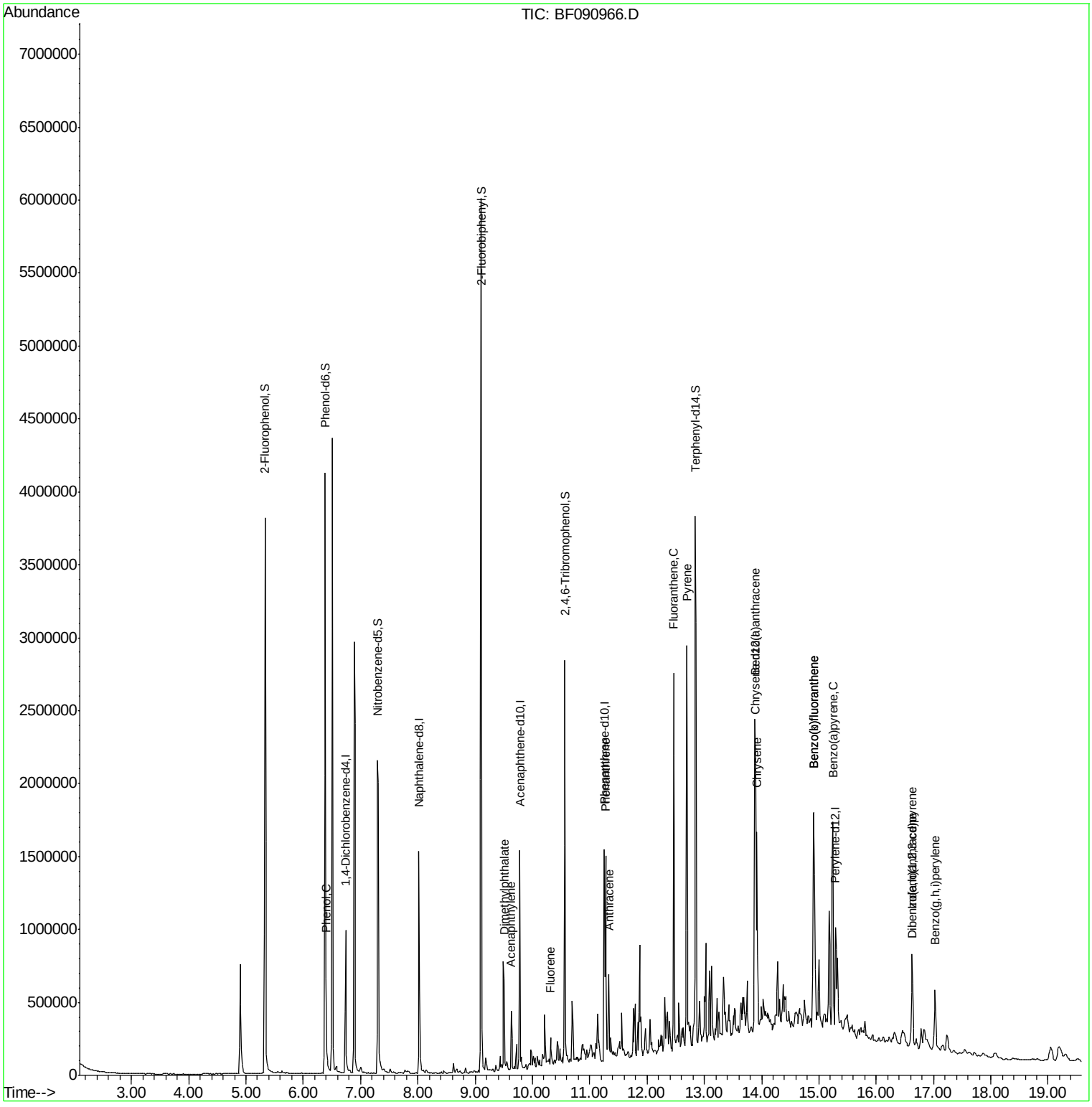
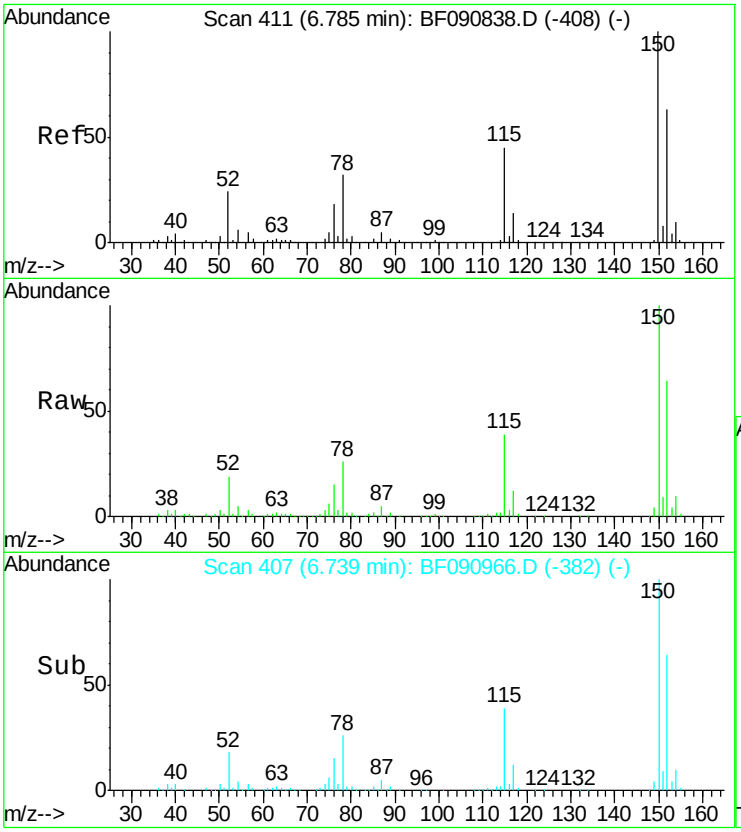
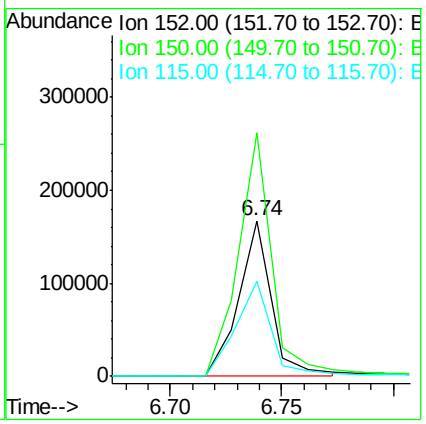




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:152 Resp: 170655

Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.7	187.1
115	61.4	39.0	58.4#



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

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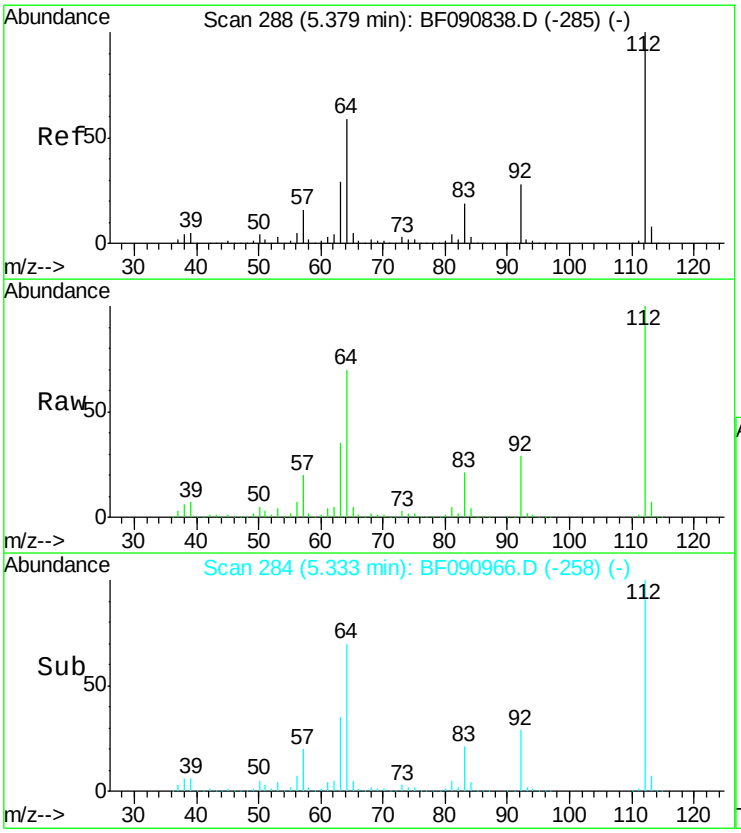
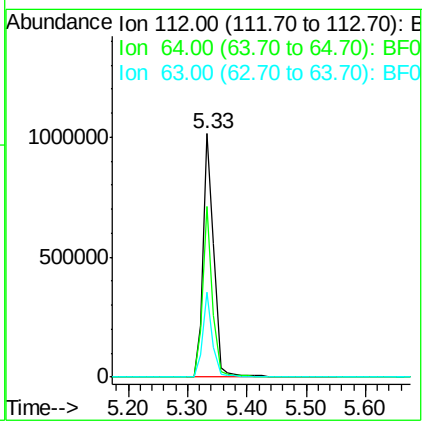
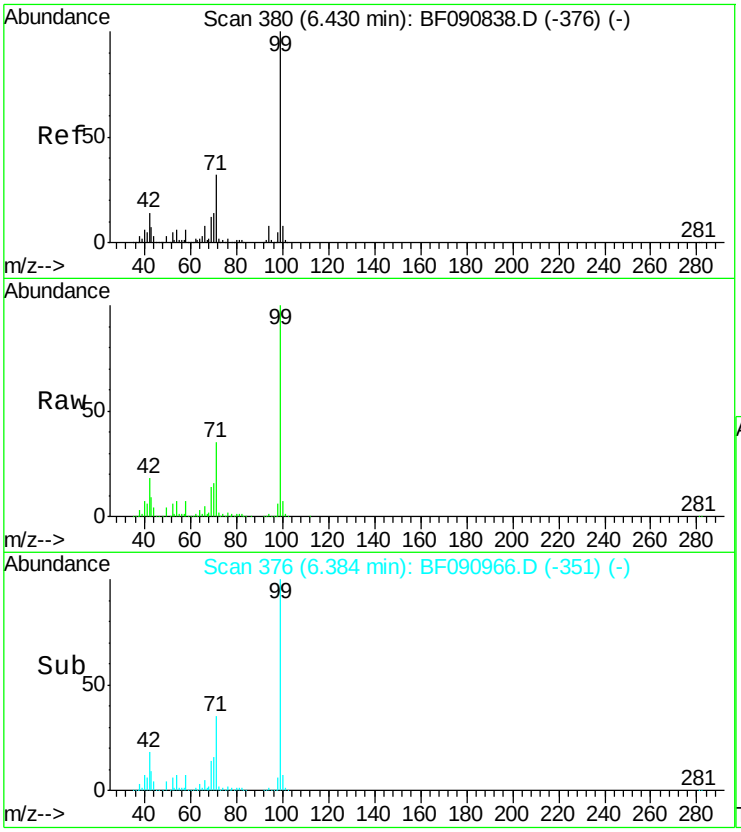


#5
2-Fluorophenol
Concen: 135.06 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:112 Resp: 1318238

Ion	Ratio	Lower	Upper
112	100		
64	70.0	39.7	59.5#
63	34.7	17.4	26.0#

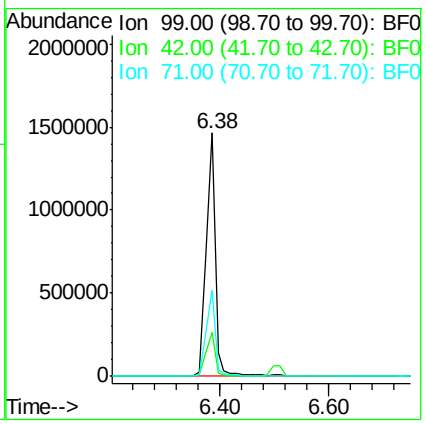




#7
Phenol-d6
Concen: 130.24 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion: 99 Resp: 1715035

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.7	20.5
71	35.1	14.2	21.2#



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

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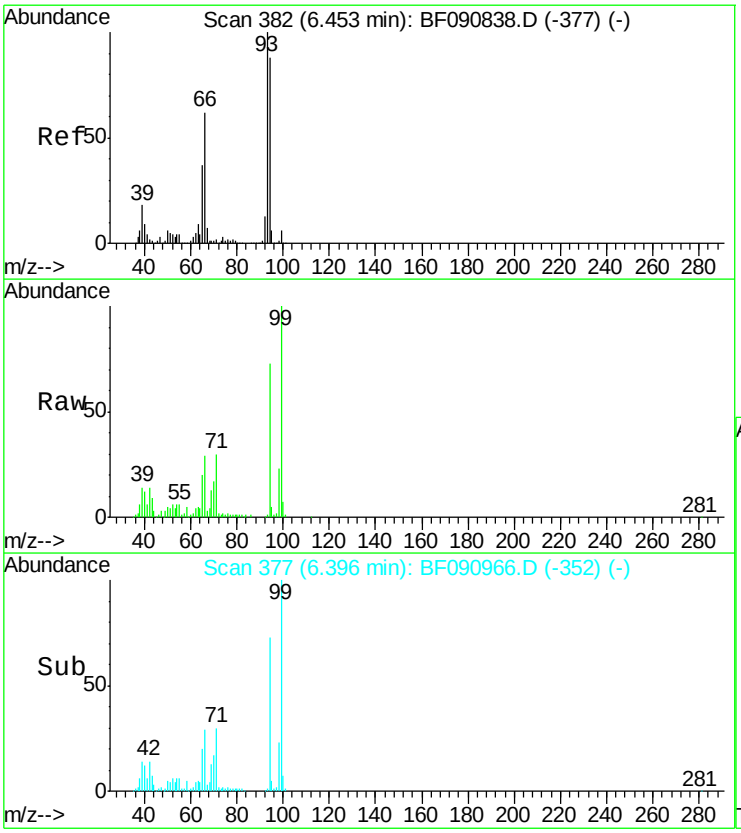
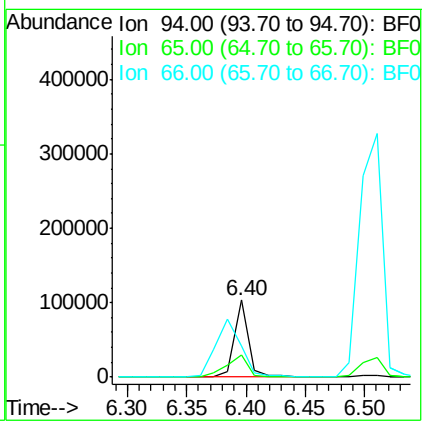
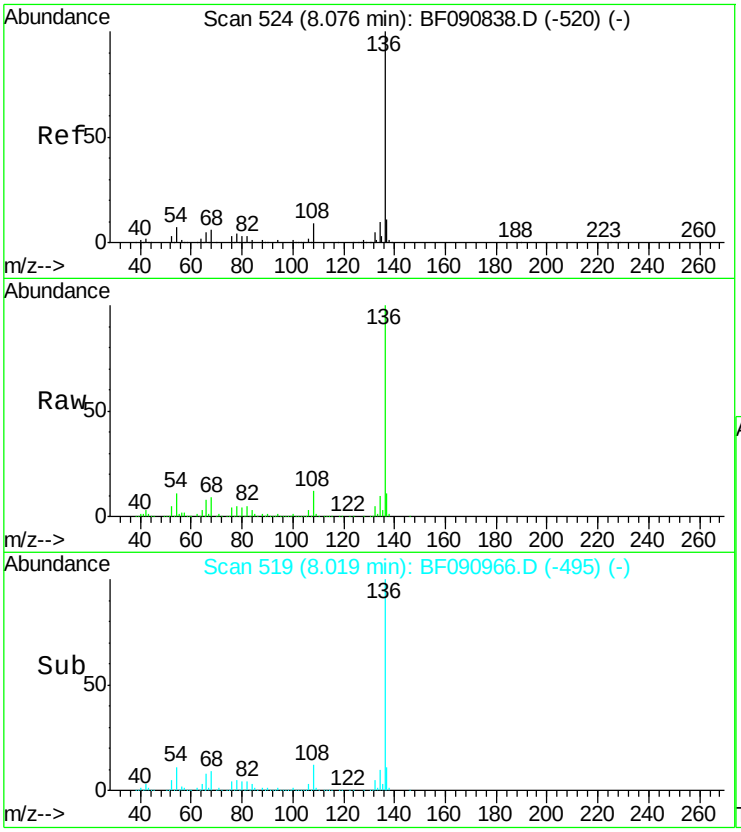


#10
Phenol
Concen: 6.11 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion: 94 Resp: 88678

Ion	Ratio	Lower	Upper
94	100		
65	28.1	0.7	40.7
66	39.6	0.8	40.8

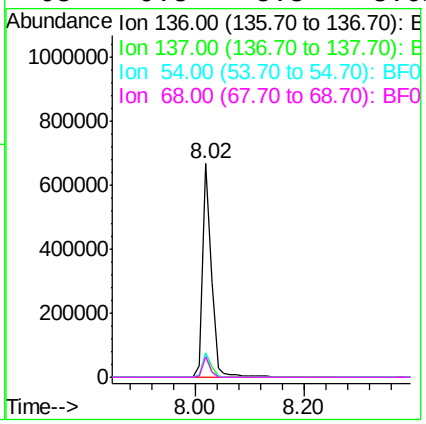




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:136 Resp: 747163

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	11.5	8.2	12.2
68	9.3	5.8	8.6#



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

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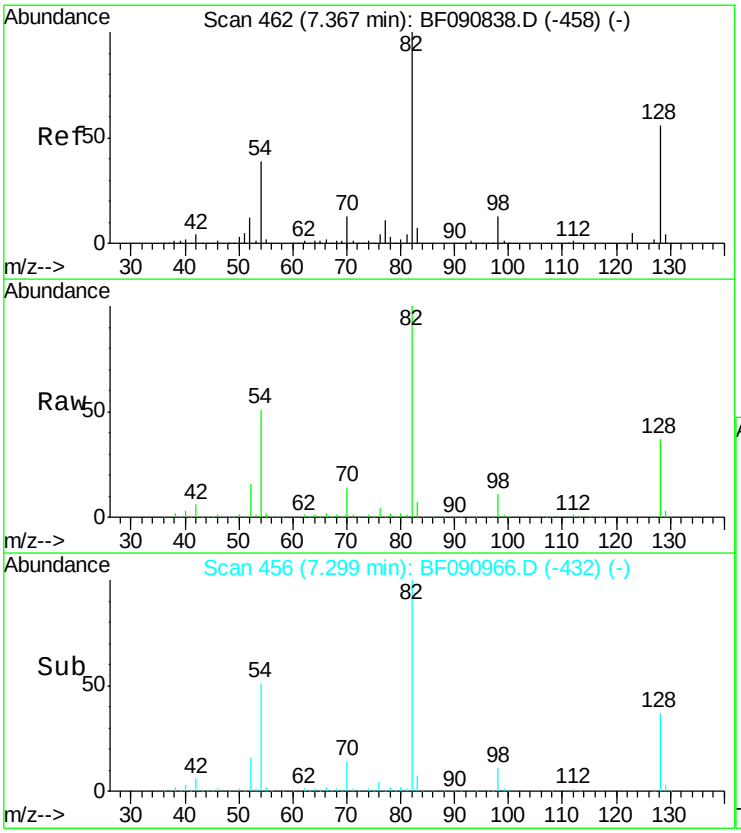
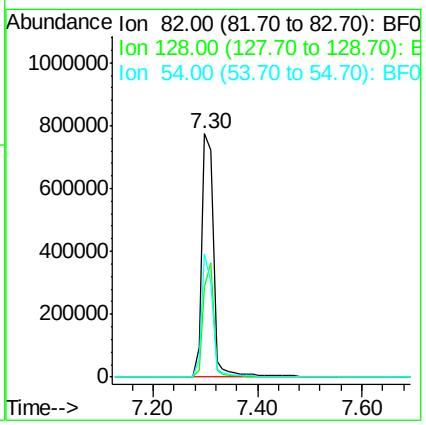
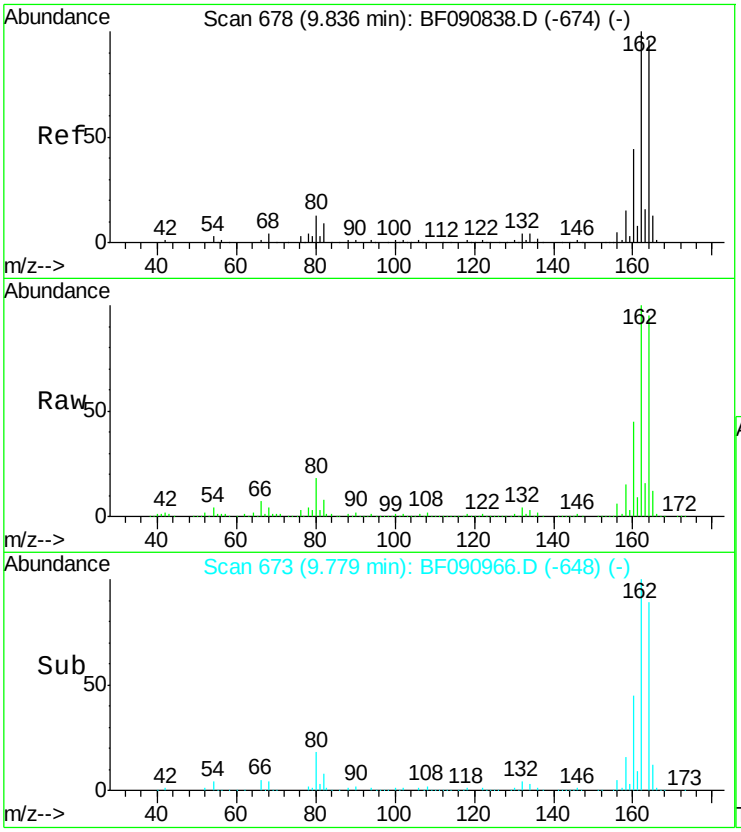


#23
Nitrobenzene-d5
Concen: 106.87 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion: 82 Resp: 1219737

Ion	Ratio	Lower	Upper
82	100		
128	37.0	51.0	76.6#
54	50.8	47.5	71.3

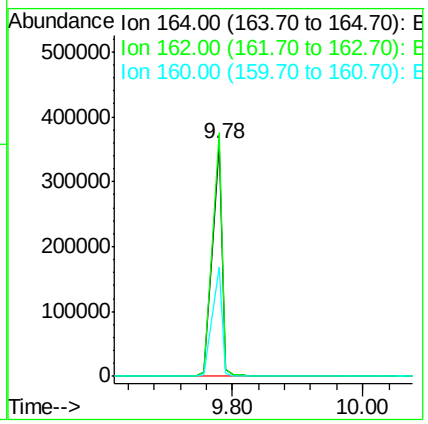




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:164 Resp: 385931

Ion	Ratio	Lower	Upper
164	100		
162	104.8	75.2	112.8
160	47.2	31.5	47.3



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

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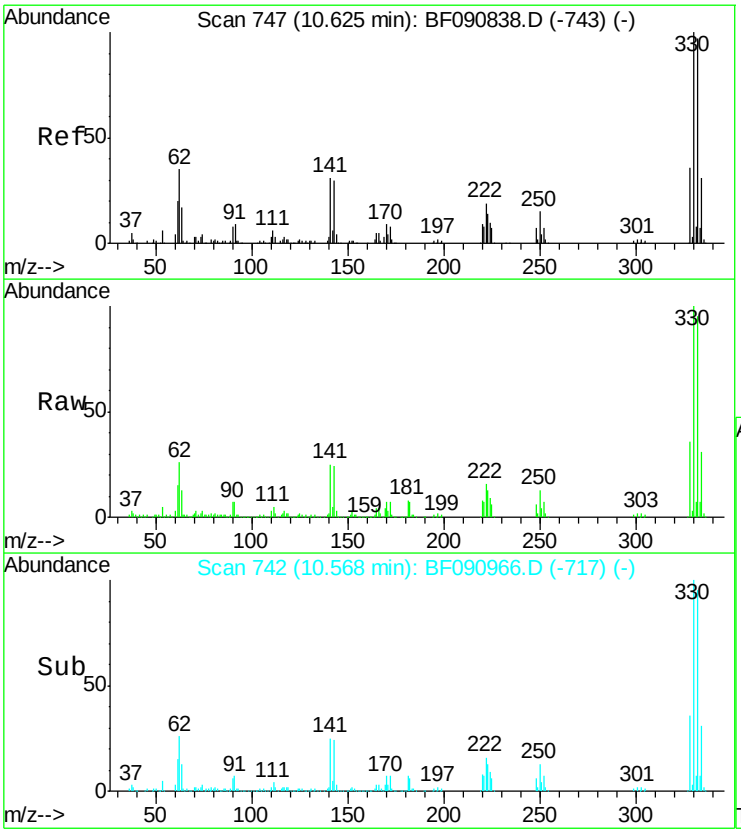
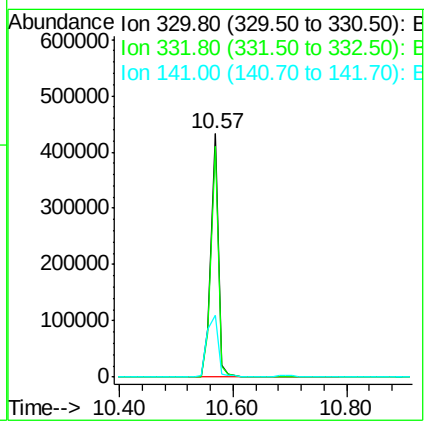
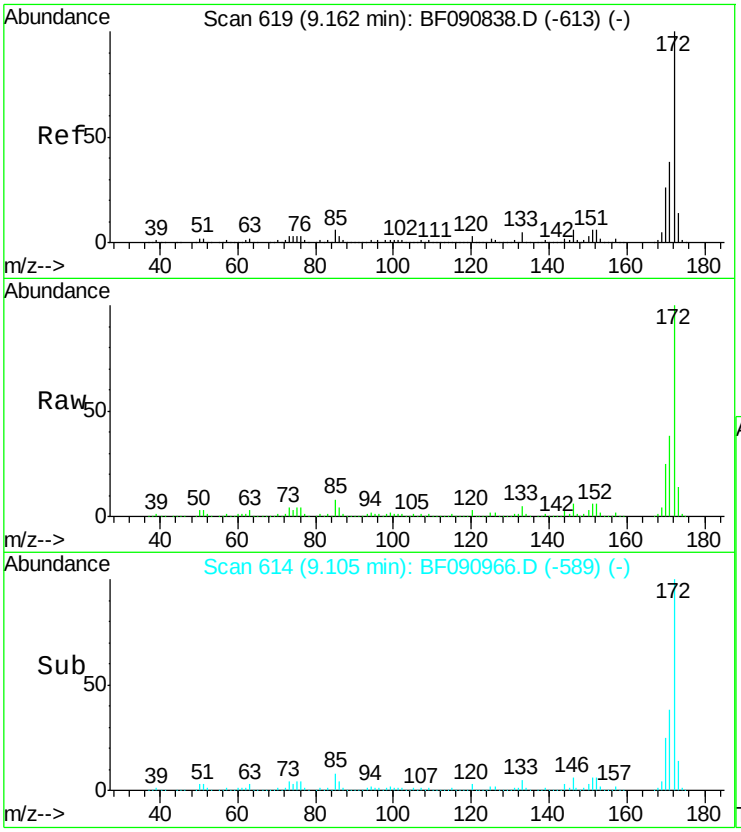


#41
2,4,6-Tribromophenol
Concen: 96.00 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:330 Resp: 380760

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	36.7	29.7	44.5

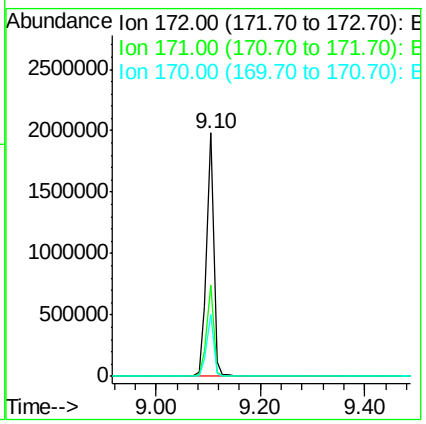




#44
2-Fluorobiphenyl
Concen: 86.74 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:172 Resp: 1906318

Ion	Ratio	Lower	Upper
172	100		
171	37.5	26.1	39.1
170	25.4	17.4	26.2



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

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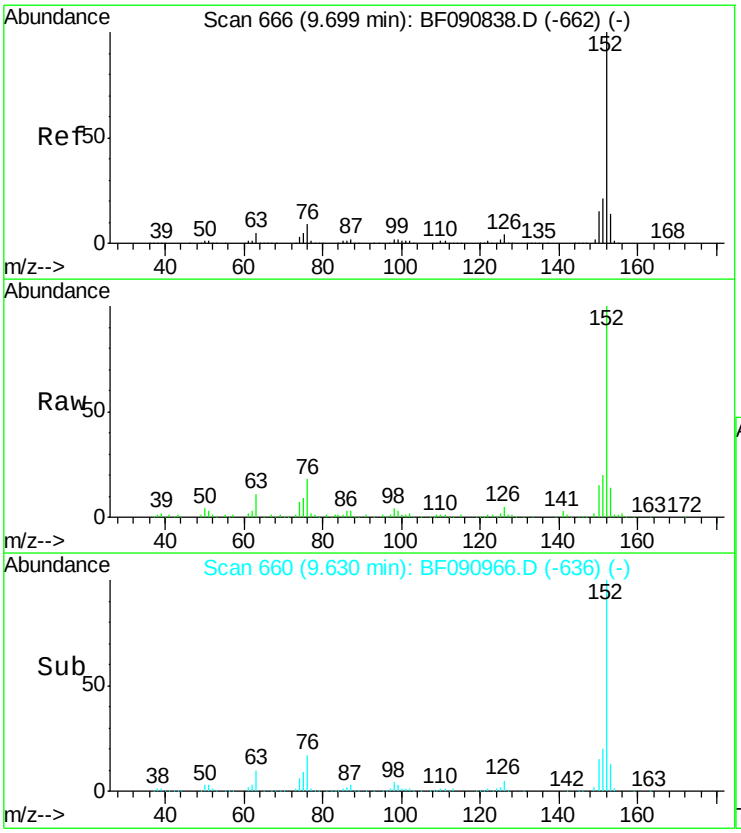
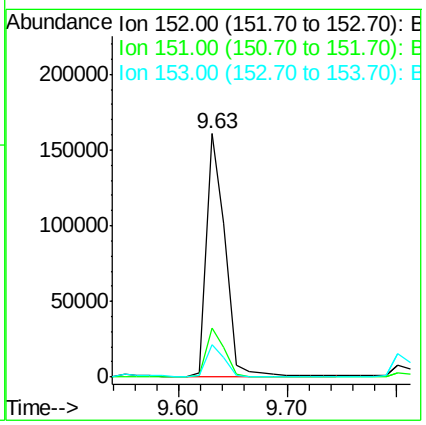
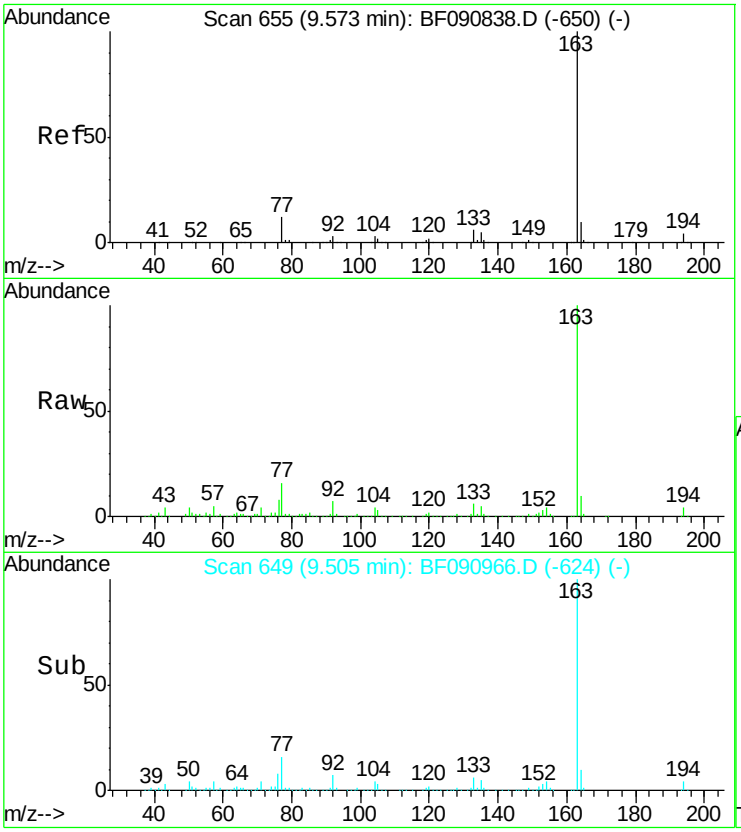


#48
Acenaphthylene
Concen: 6.15 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:152 Resp: 196949

Ion	Ratio	Lower	Upper
152	100		
151	20.0	14.6	22.0
153	13.6	10.3	15.5

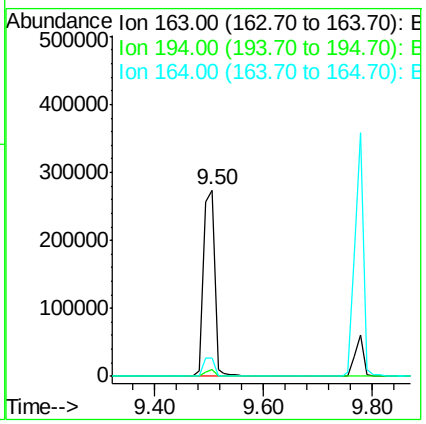




#49
Dimethylphthalate
Concen: 15.17 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:163 Resp: 391182

Ion	Ratio	Lower	Upper
163	100		
194	3.6	4.4	6.6#
164	9.7	8.3	12.5



Instrument :
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ClientSampleId :
SB-2(0-2)RE

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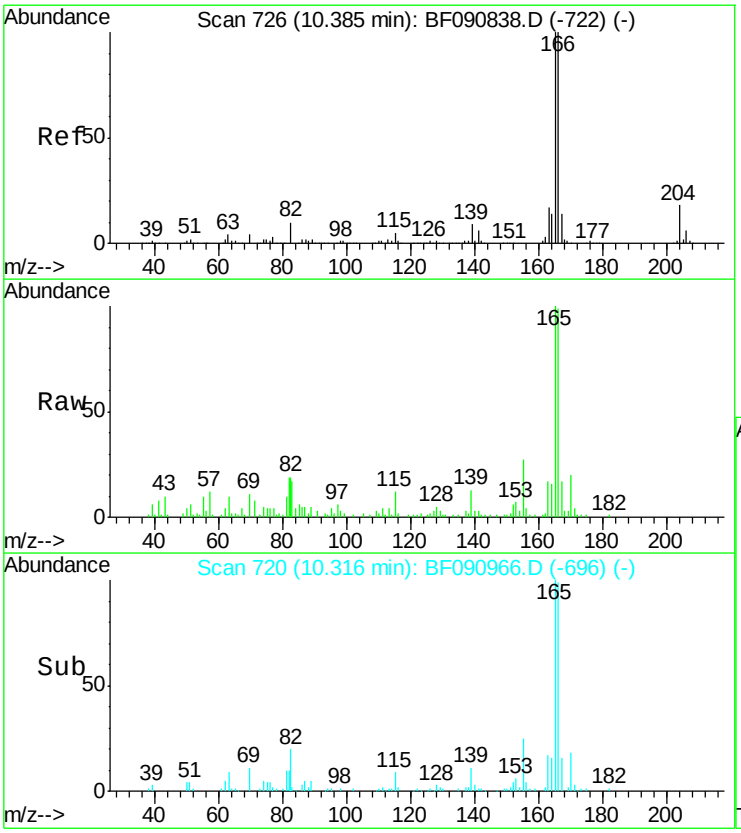
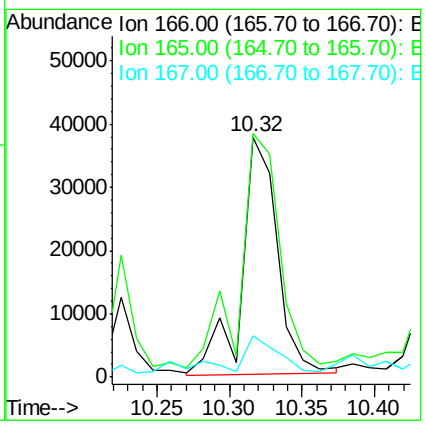
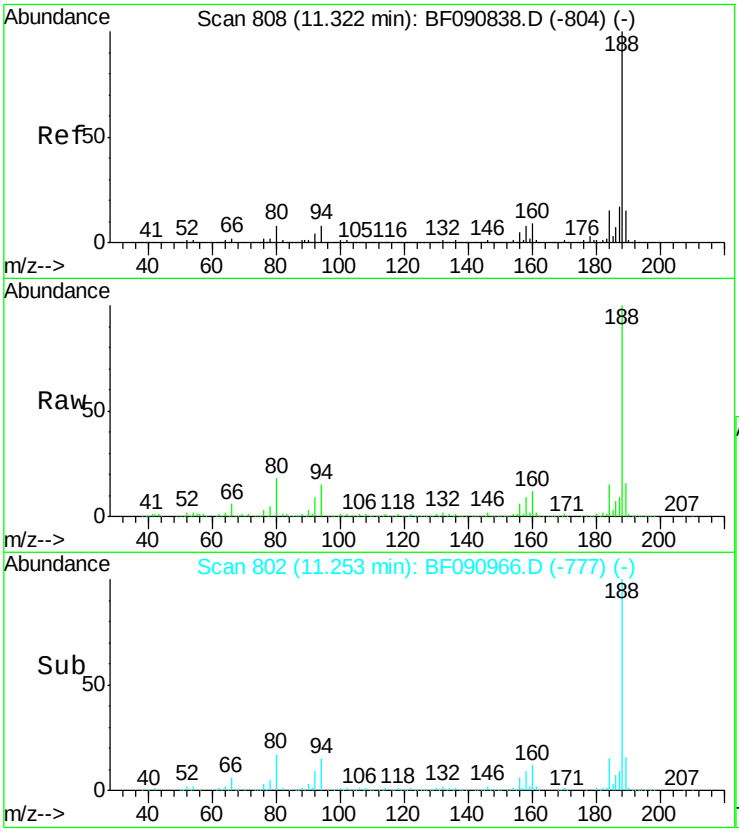


#57
Fluorene
Concen: 2.78 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.02 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:166 Resp: 64701

Ion	Ratio	Lower	Upper
166	100		
165	101.5	72.6	109.0
167	17.2	10.6	16.0#

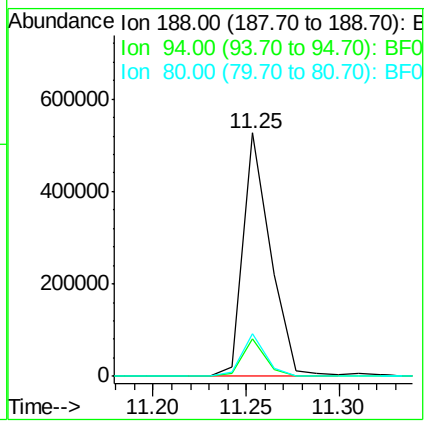




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:188 Resp: 541239

Ion	Ratio	Lower	Upper
188	100		
94	15.2	11.1	16.7
80	17.5	11.0	16.4#



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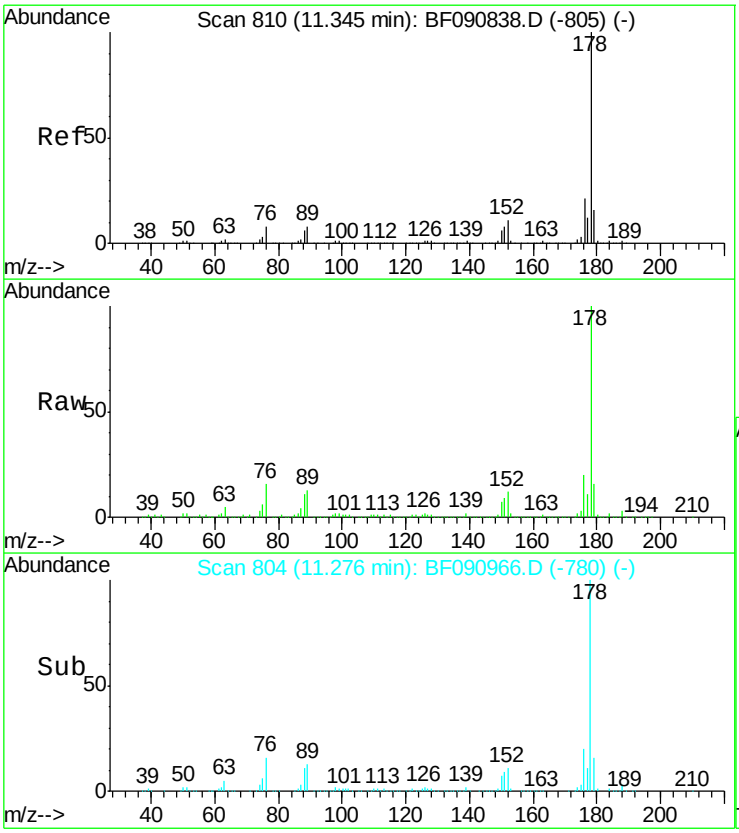
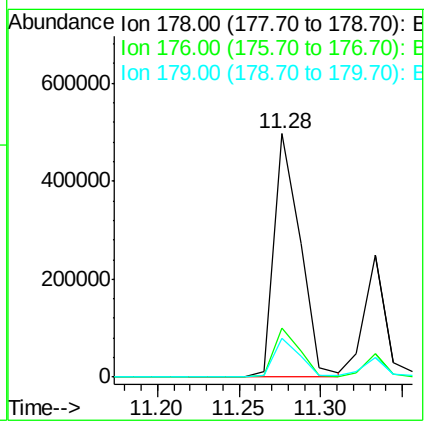
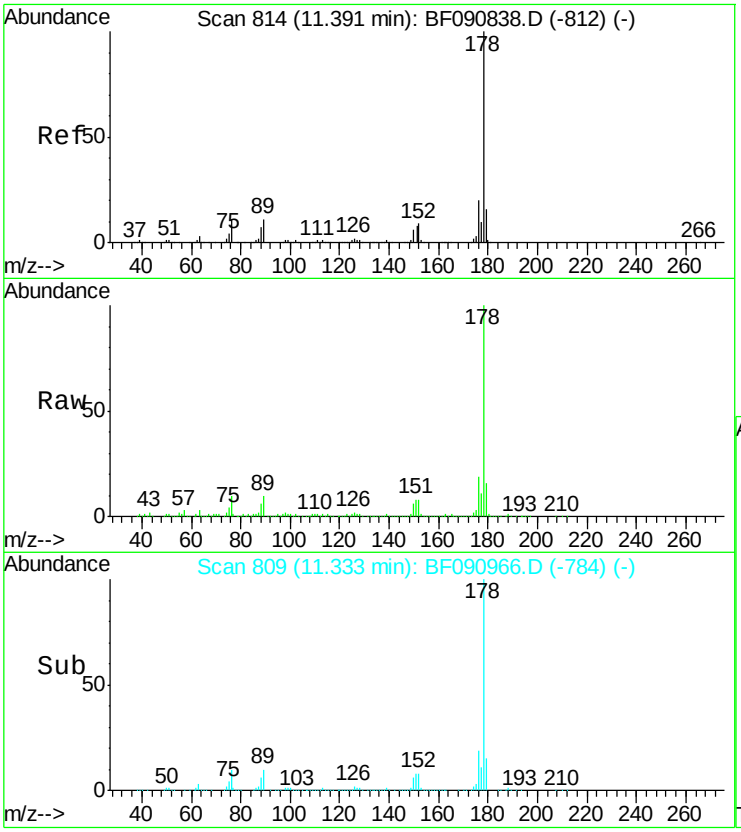


#70
Phenanthrene
Concen: 20.05 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:178 Resp: 552660

Ion	Ratio	Lower	Upper
178	100		
176	20.0	13.8	20.8
179	16.0	12.2	18.2

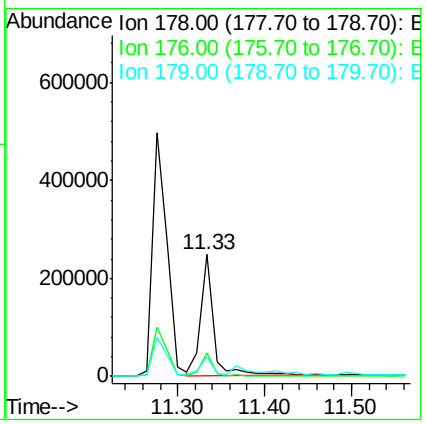




#71
Anthracene
Concen: 8.65 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:178 Resp: 251105

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.1	21.1
179	15.6	12.2	18.2



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

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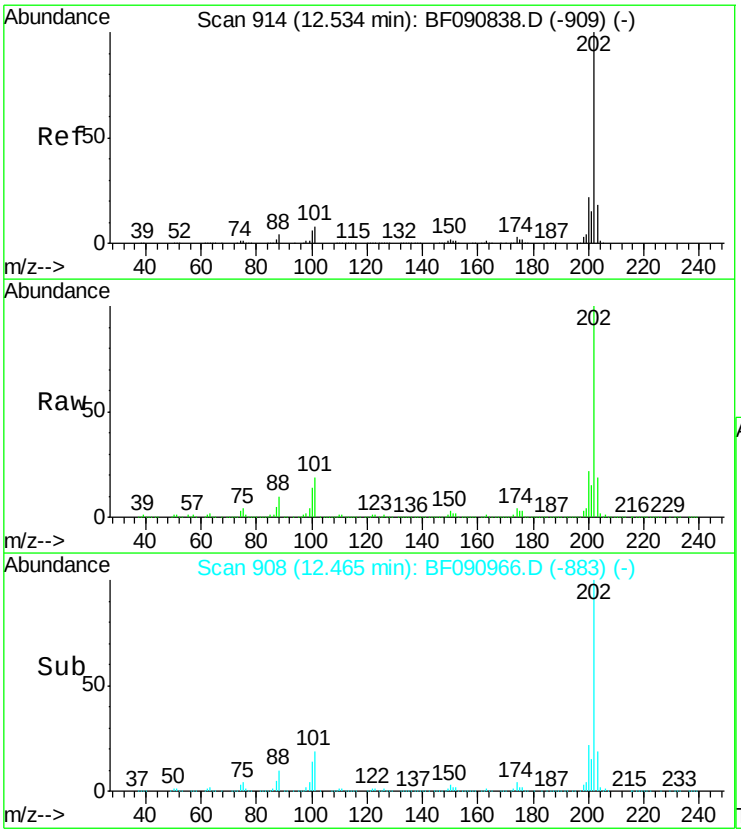
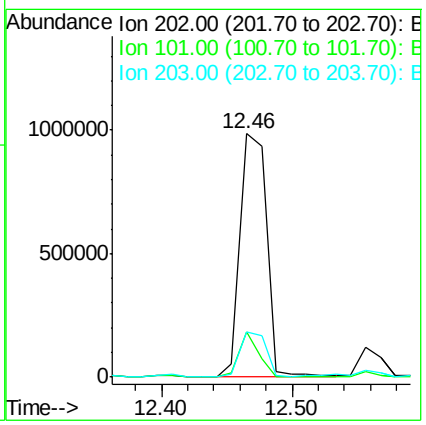
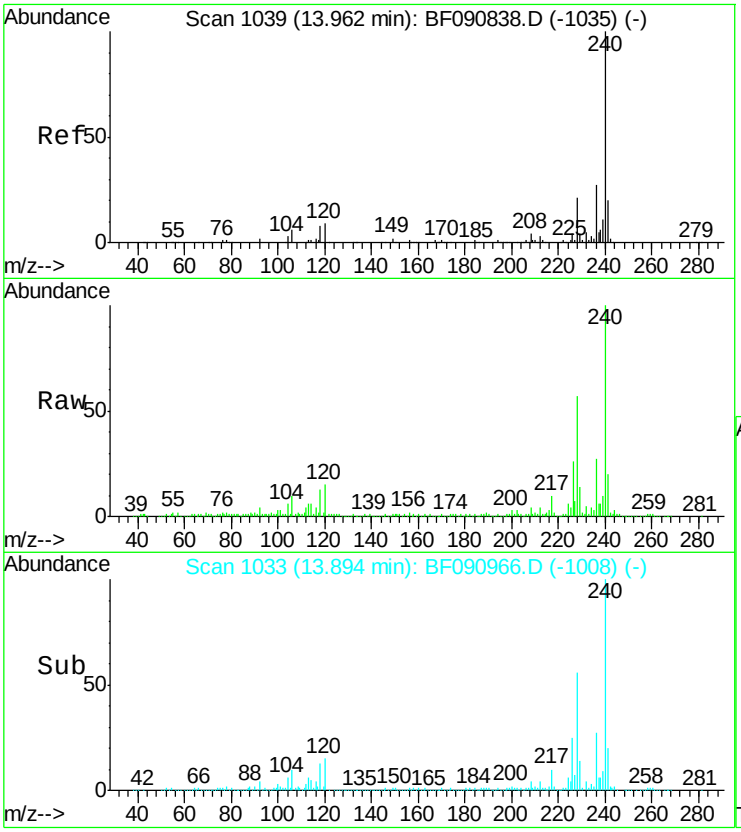


#74
Fluoranthene
Concen: 45.84 ng
RT: 12.46 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:202 Resp: 1383681

Ion	Ratio	Lower	Upper
202	100		
101	18.7	0.0	38.3
203	18.7	0.0	37.3

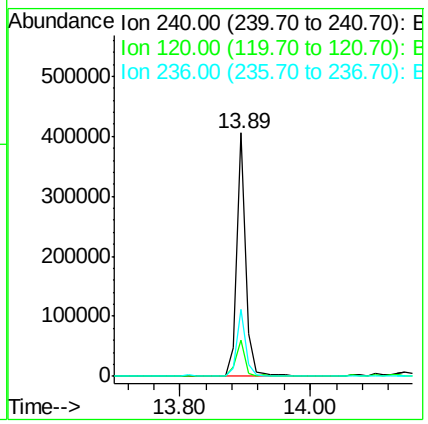




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:240 Resp: 374795

Ion	Ratio	Lower	Upper
240	100		
120	14.9	16.2	24.2#
236	27.4	18.4	27.6



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

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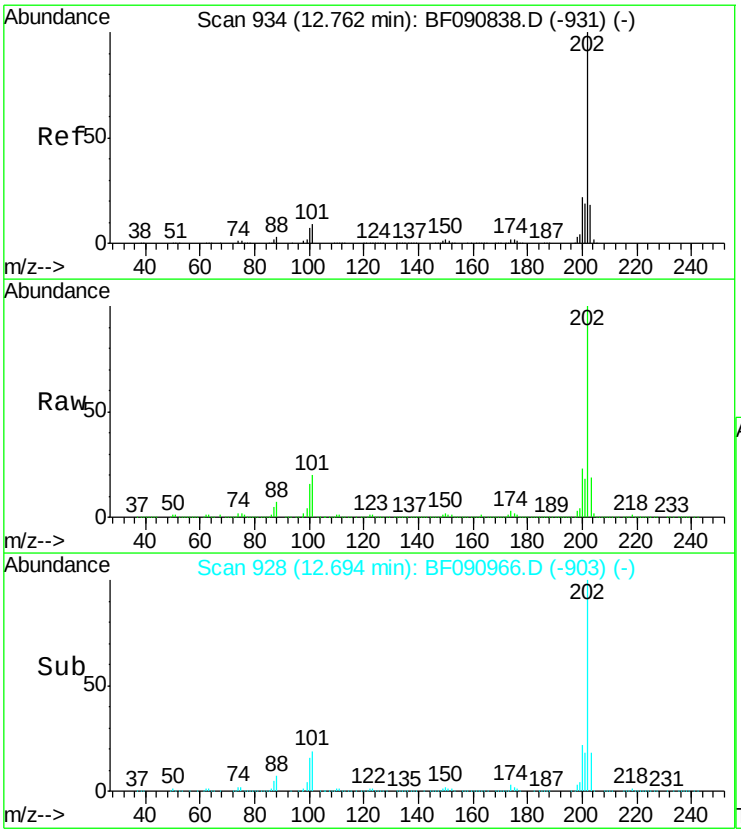
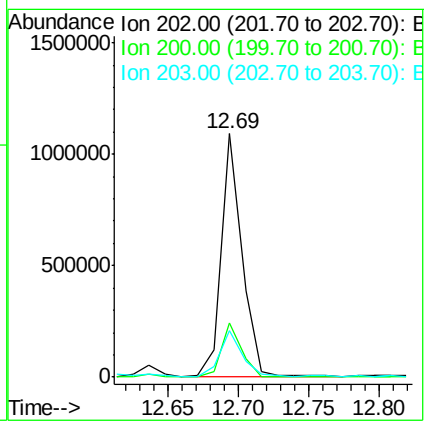
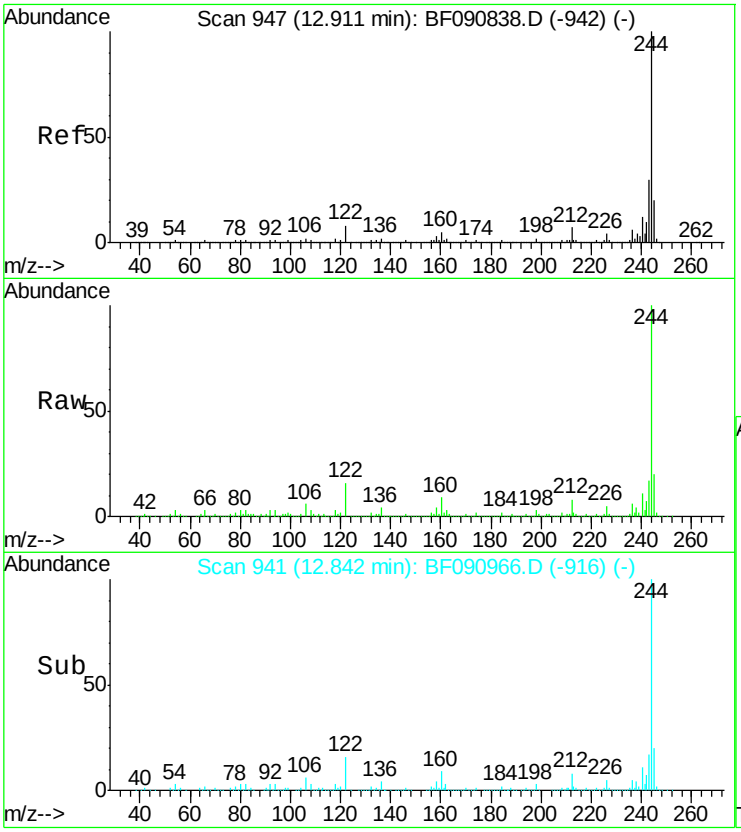


#77
Pyrene
Concen: 48.15 ng m
RT: 12.69 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:202 Resp: 1141989

Ion	Ratio	Lower	Upper
202	100		
200	22.5	15.0	22.4#
203	18.9	14.1	21.1

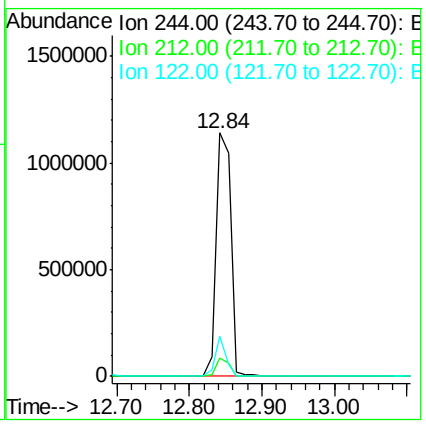




#78
Terphenyl-d14
Concen: 107.70 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:244 Resp: 1602205

Ion	Ratio	Lower	Upper
244	100		
212	7.7	4.3	6.5#
122	16.5	17.4	26.2#



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

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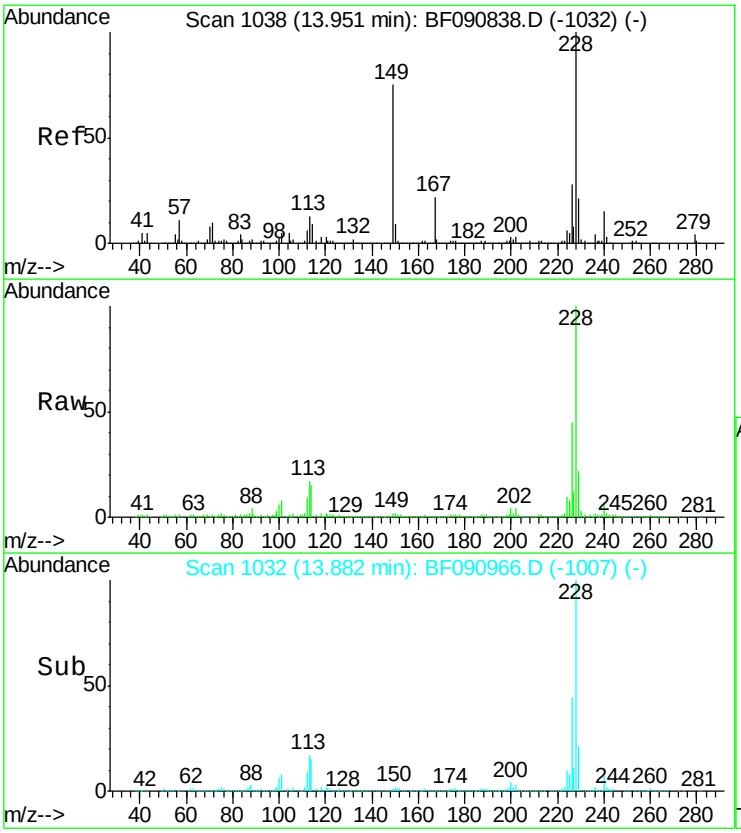
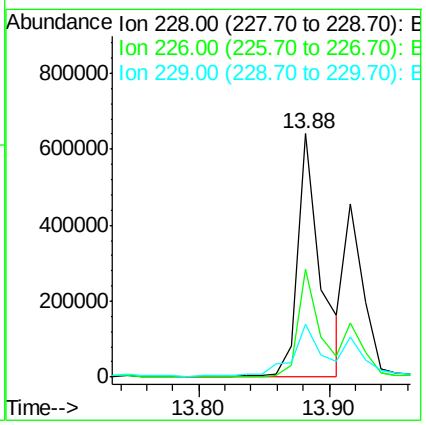
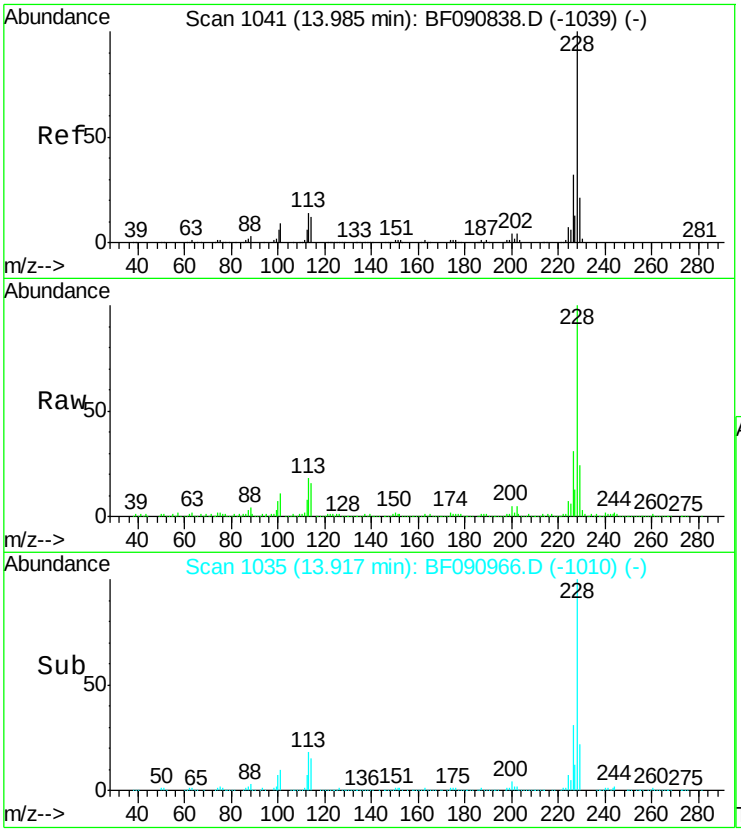


#80
Benzo(a)anthracene
Concen: 38.75 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:228 Resp: 770758

Ion	Ratio	Lower	Upper
228	100		
226	44.5	20.0	30.0#
229	21.9	15.4	23.2

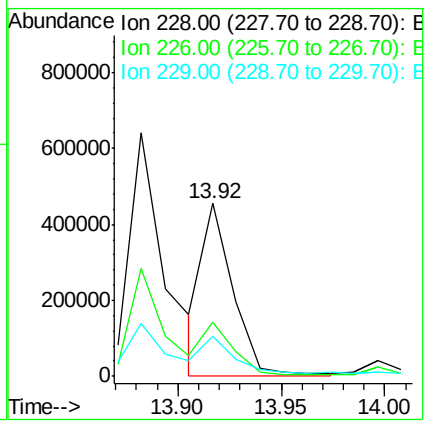




#82
Chrysene
Concen: 23.86 ng m
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:228 Resp: 480061

Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.0	31.4
229	23.6	15.6	23.4#



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

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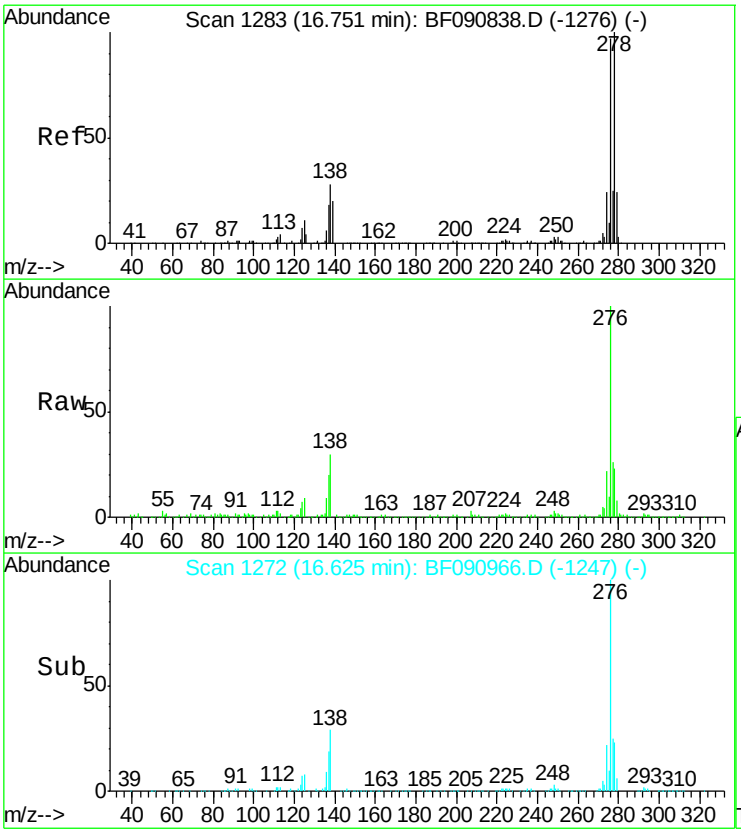
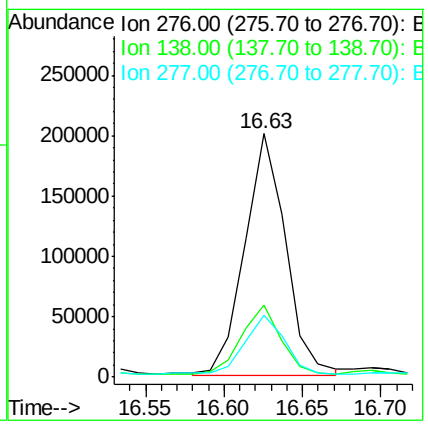
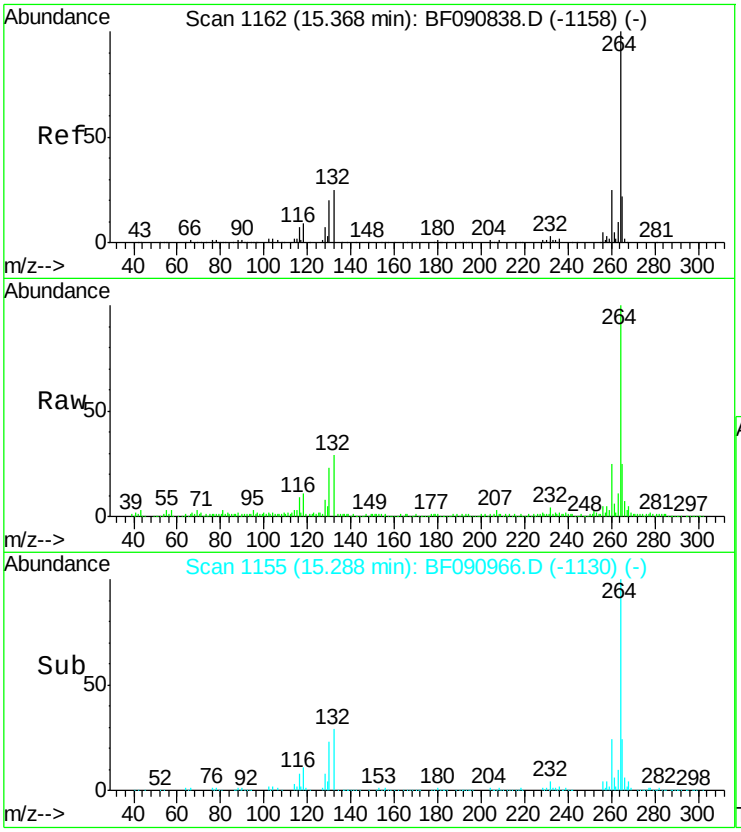


#85
Indeno(1,2,3-cd)pyrene
Concen: 20.22 ng m
RT: 16.63 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:276 Resp: 360527

Ion	Ratio	Lower	Upper
276	100		
138	5.3	25.7	38.5#
277	4.2	15.6	23.4#

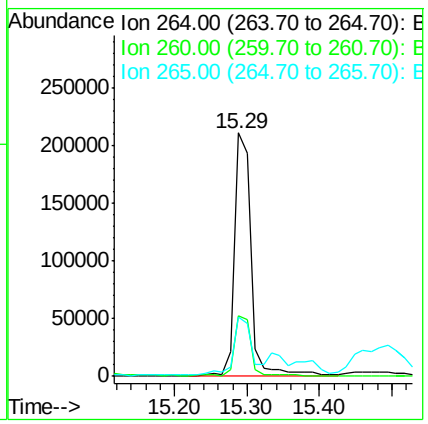




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:264 Resp: 332678

Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	24.5	17.2	25.8



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

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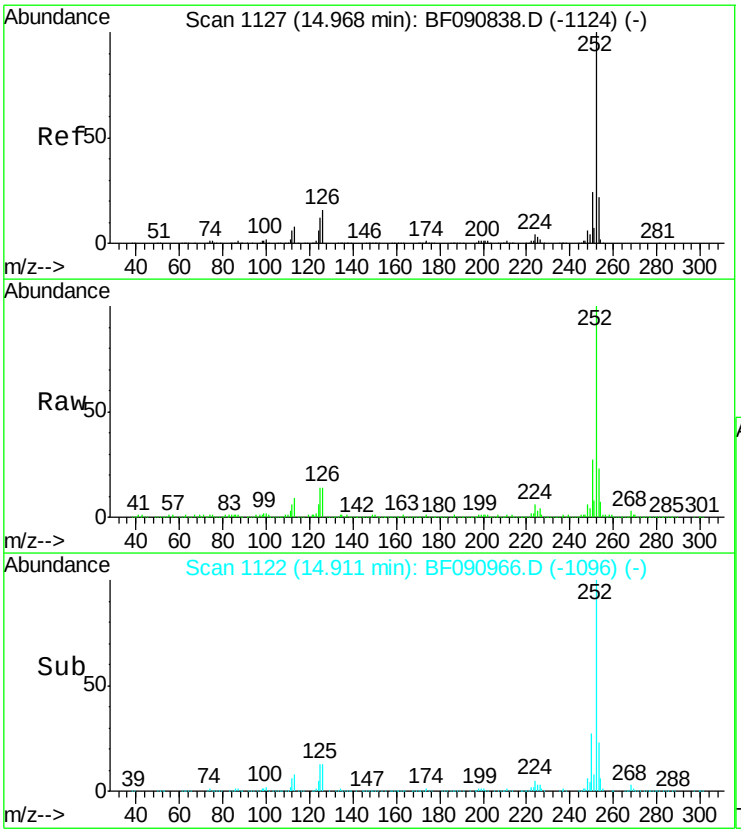
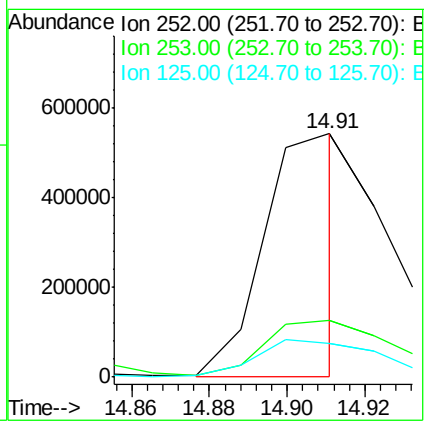
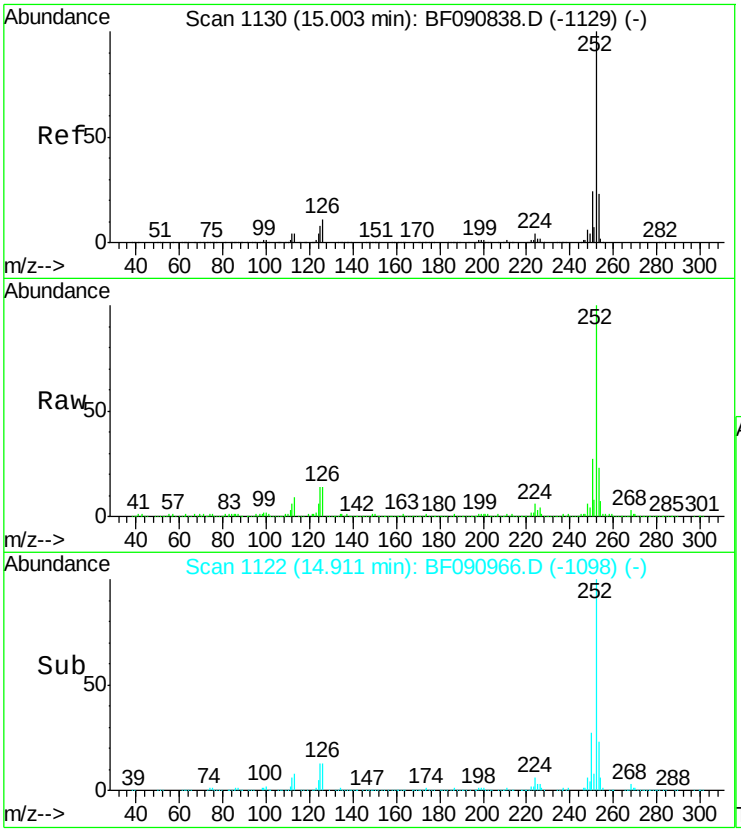


#87
Benzo(b)fluoranthene
Concen: 35.62 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:252 Resp: 796898

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.7	17.1	25.7#





#88
Benzo(k)fluoranthene
Concen: 23.07 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:252 Resp: 407839

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	13.7	16.0	24.0#

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

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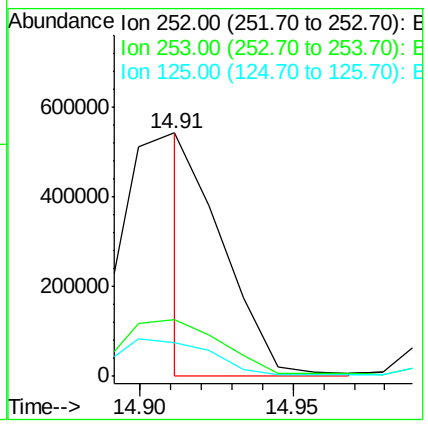
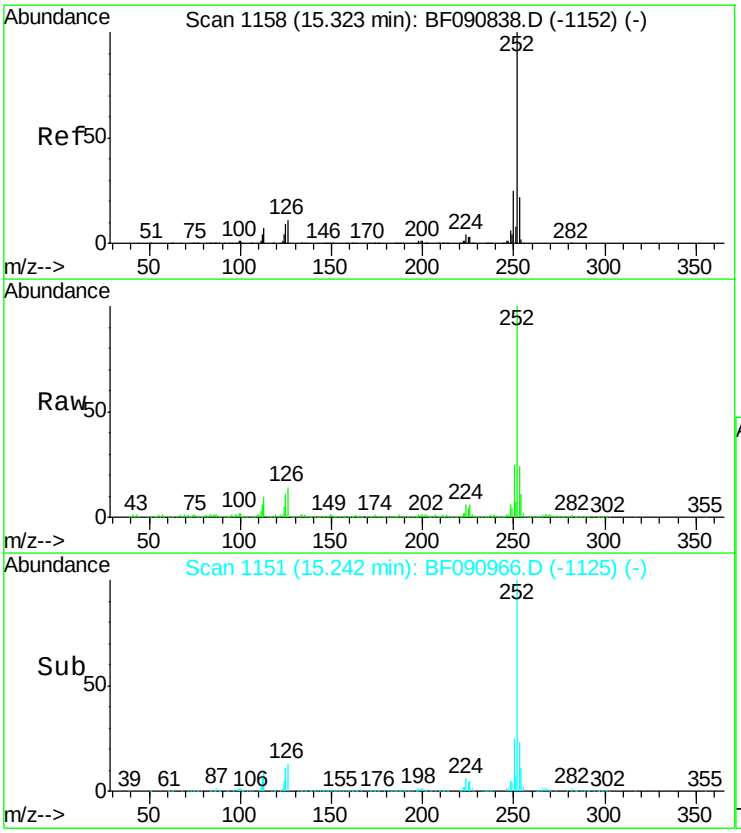
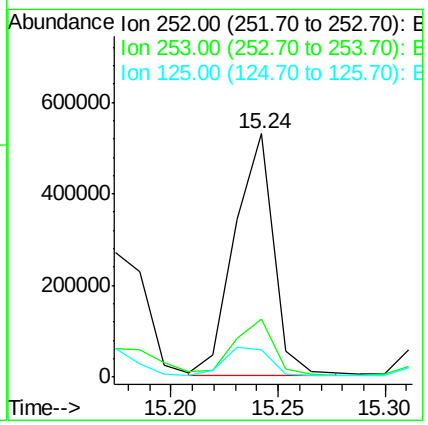


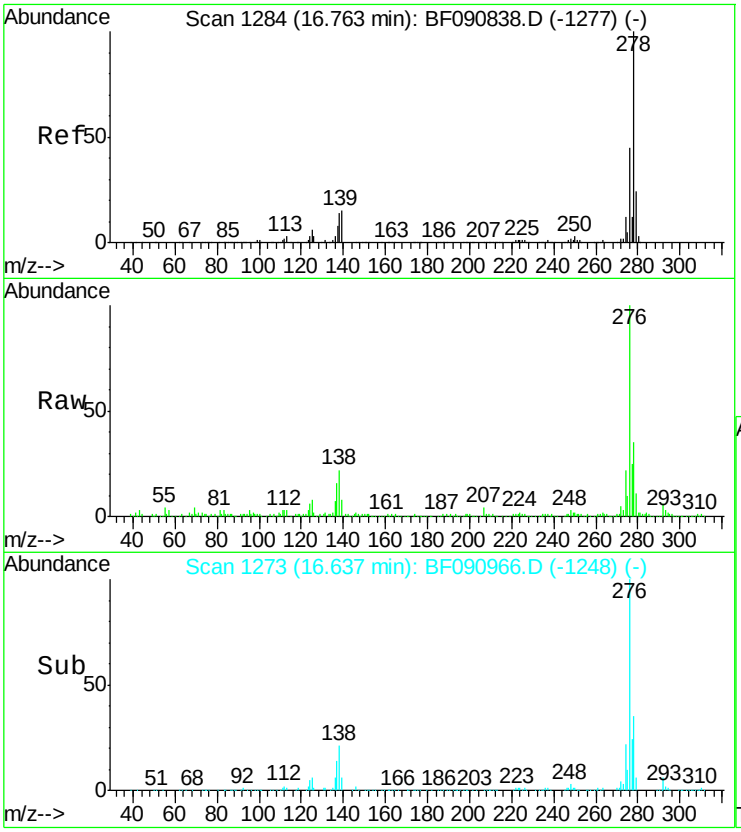


#89
Benzo(a)pyrene
Concen: 35.05 ng m
RT: 15.24 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:252 Resp: 673689

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	11.0	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 6.04 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:278 Resp: 98223

Ion	Ratio	Lower	Upper
278	100		
139	21.3	26.3	39.5#
279	31.0	18.2	27.4#

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

Manual Integrations APPROVED
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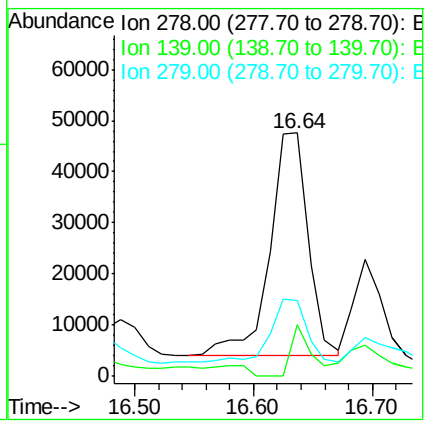

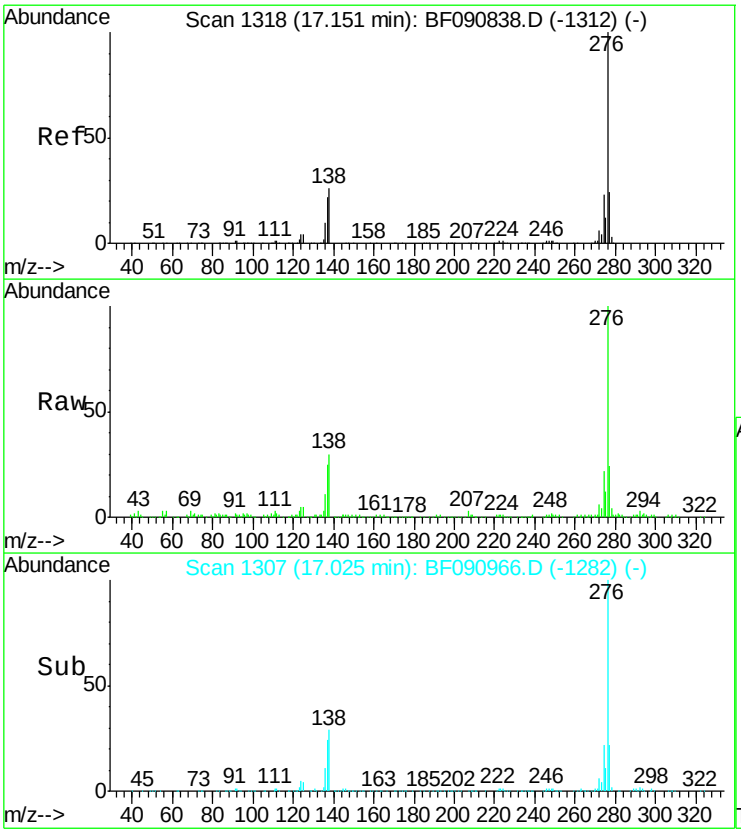

#91
Benzo(g,h,i)perylene
Concen: 18.72 ng
RT: 17.03 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF090966.D
Acq: 1 Nov 2016 22:16

Tgt Ion:276 Resp: 286943

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.8	26.6
138	29.7	34.6	51.8#