Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\
Data File : BF084923.D
Acq On : 6 Feb 2016 20:31
Operator : SJ/IZ
Sample : H1320-11DL 10X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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2/8/2016 3:04:32 PM

Quant Time: Feb 08 03:18:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	183370	20.00	ng		-0.02
21) Naphthalene-d8	7.95	136	727065	20.00	ng		-0.02
38) Acenaphthene-d10	9.70	164	306469	20.00	ng		-0.03
63) Phenanthrene-d10	11.17	188	474435	20.00	ng		-0.03
75) Chrysene-d12	13.80	240	323323	20.00	ng		-0.03
86) Perylene-d12	15.17	264	339038	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.24	112	107502	9.13	ng		-0.03
7) Phenol-d6	6.30	99	213561	14.63	ng		-0.03
23) Nitrobenzene-d5	7.23	82	128582	9.96	ng		-0.03
41) 2,4,6-Tribromophenol	10.49	330	13319	4.17	ng		-0.03
44) 2-Fluorobiphenyl	9.02	172	227343	8.73	ng		-0.03
78) Terphenyl-d14	12.76	244	134163	9.40	ng		-0.03
Target Compounds							Qvalue
51) Acenaphthene	9.72	154	65277	3.28	ng		97
54) Dibenzofuran	9.90	168	64608	2.66	ng		93
57) Fluorene	10.24	166	77624	3.82	ng	#	99
70) Phenanthrene	11.20	178	1000524	38.02	ng		98
71) Anthracene	11.25	178	266292	10.04	ng		97
72) Carbazole	11.41	167	52135	2.25	ng		97
74) Fluoranthene	12.39	202	1148383	43.12	ng		98
77) Pyrene	12.61	202	1192259	48.16	ng		100
80) Benzo(a)anthracene	13.80	228	503744	25.10	ng		97
82) Chrysene	13.84	228	383120m	19.69	ng		
85) Indeno(1,2,3-cd)pyrene	16.45	276	228135	14.89	ng		95
87) Benzo(b)fluoranthene	14.81	252	554255m	24.33	ng		
88) Benzo(k)fluoranthene	14.82	252	136266m	7.23	ng		
89) Benzo(a)pyrene	15.13	252	411175	21.18	ng		96
90) Dibenzo(a,h)anthracene	16.45	278	51930m	3.18	ng		
91) Benzo(g,h,i)perylene	16.83	276	214875	13.06	ng		98

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

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BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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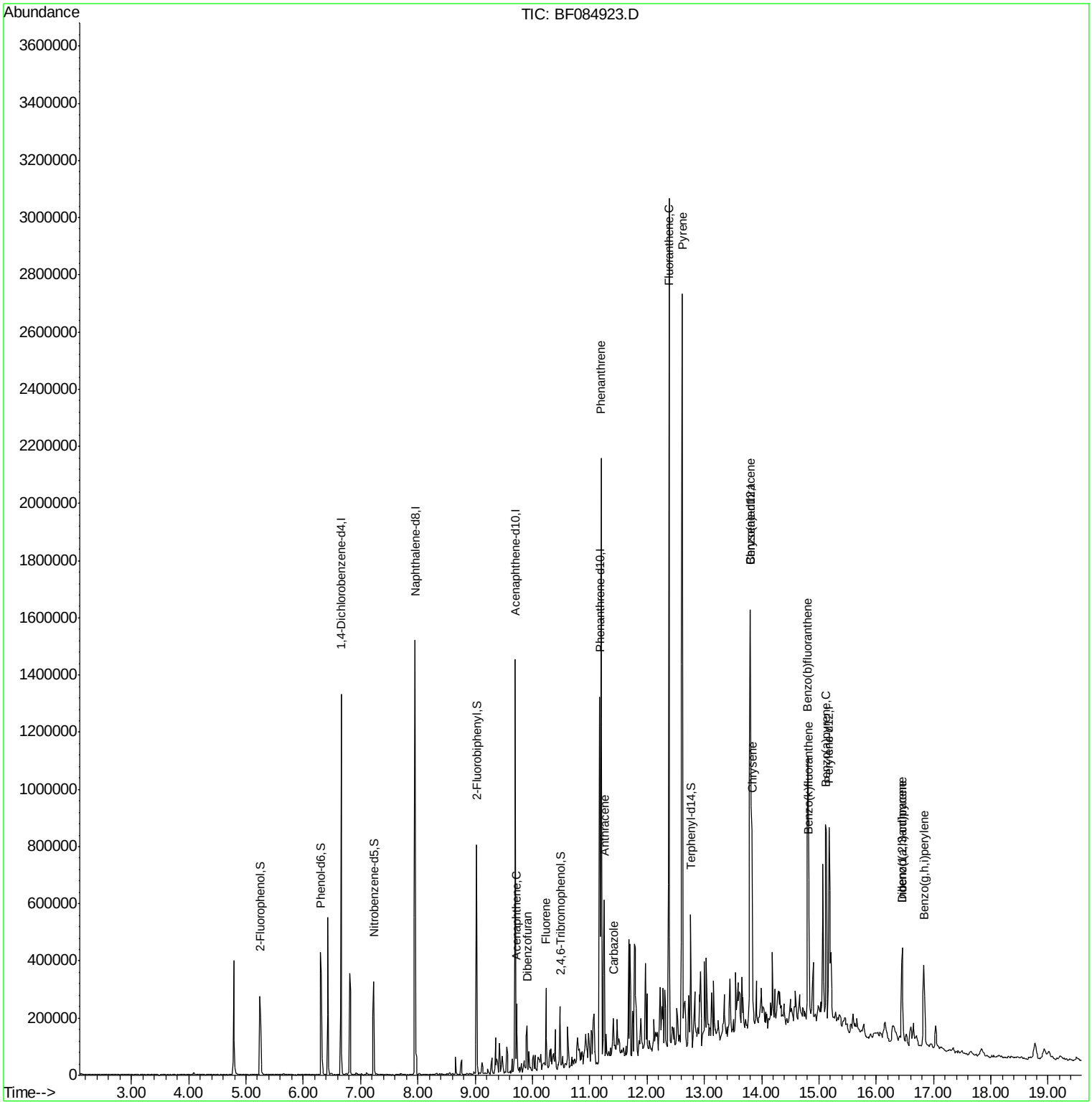
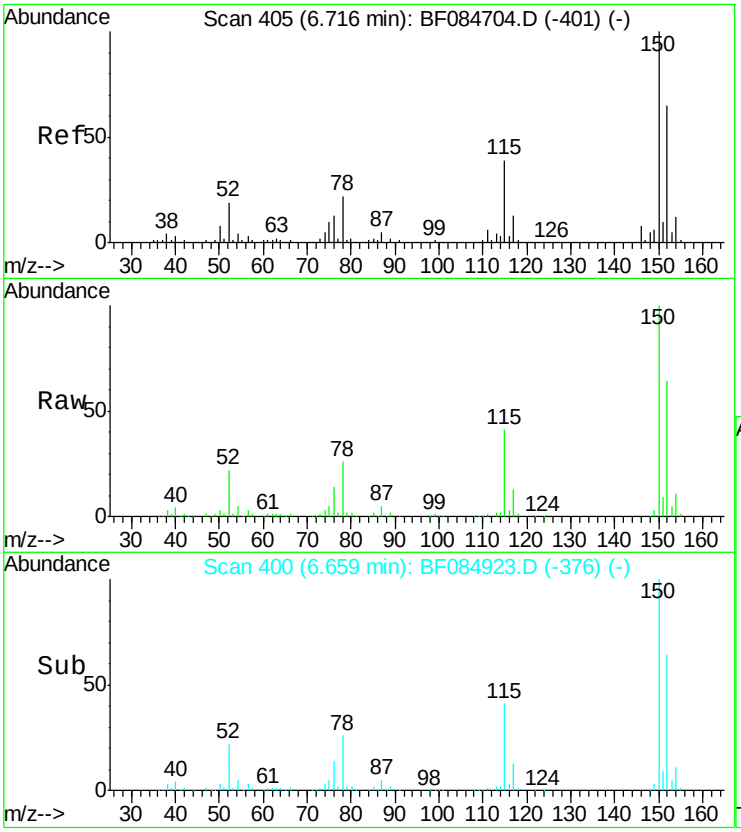
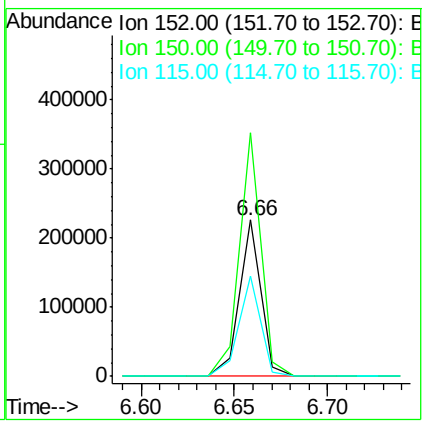




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:152 Resp: 183370

Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.0	184.4
115	64.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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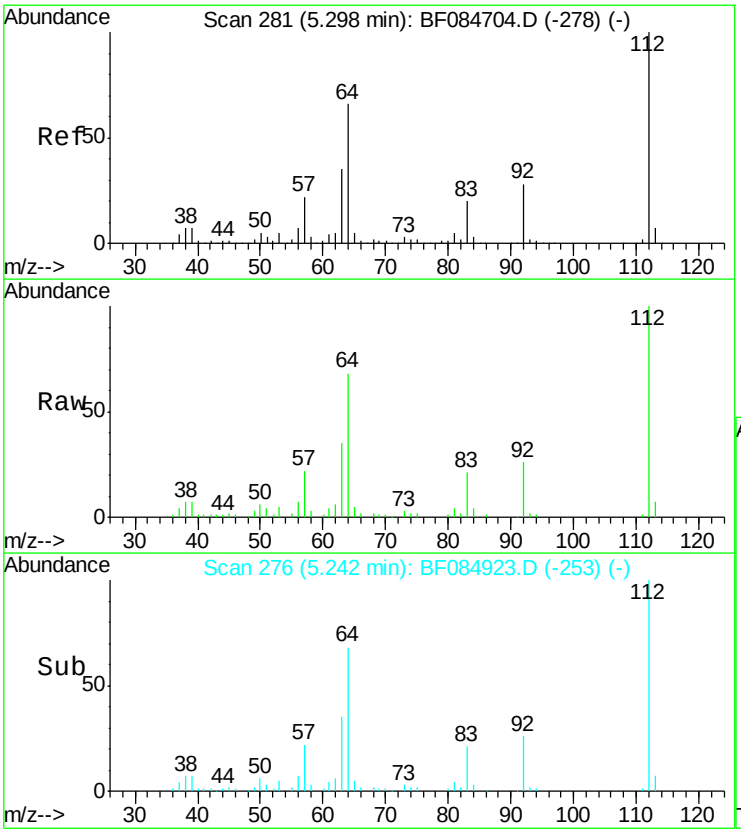
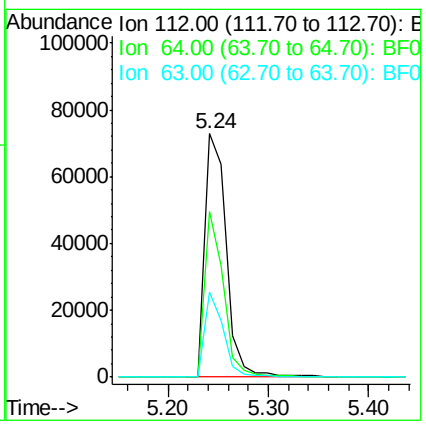
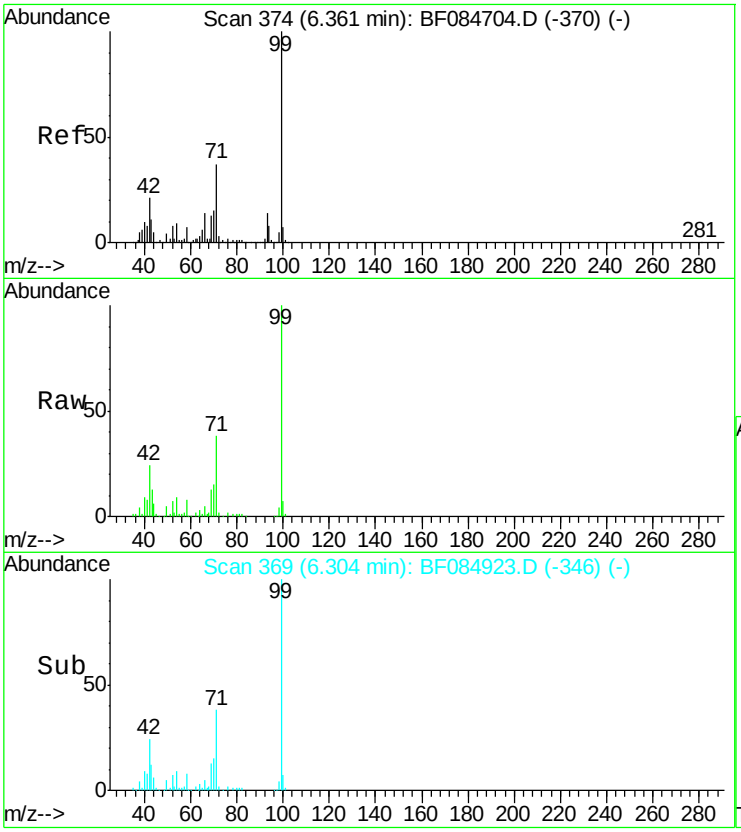


#5
2-Fluorophenol
Concen: 9.13 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:112 Resp: 107502

Ion	Ratio	Lower	Upper
112	100		
64	68.1	36.6	55.0#
63	34.6	19.4	29.0#

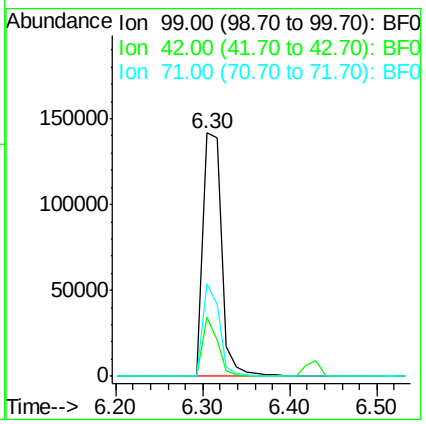




#7
Phenol-d6
Concen: 14.63 ng
RT: 6.30 min Scan# 369
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion: 99 Resp: 213561

Ion	Ratio	Lower	Upper
99	100		
42	24.4	12.8	19.2#
71	37.9	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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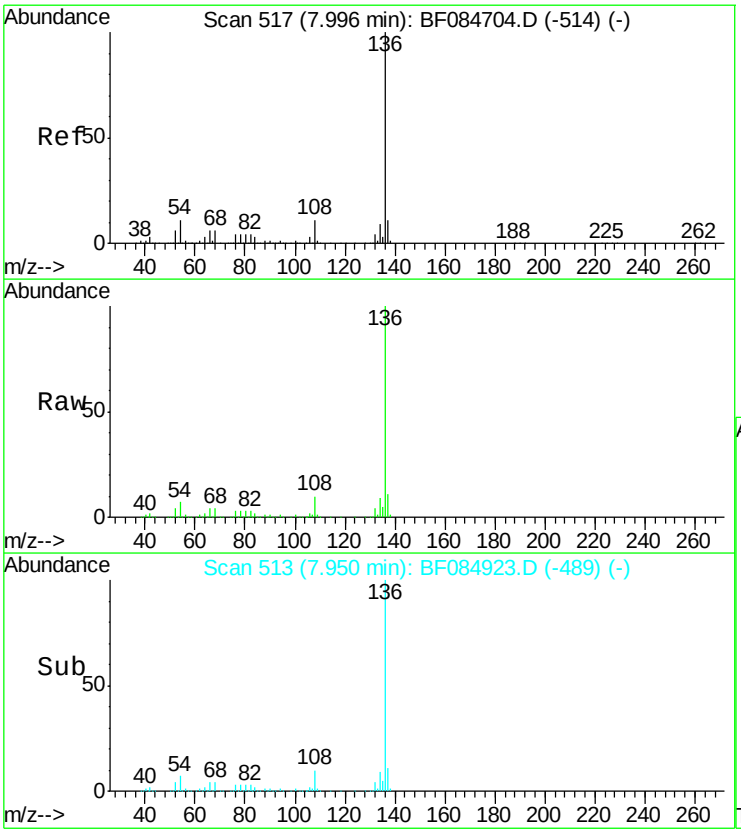
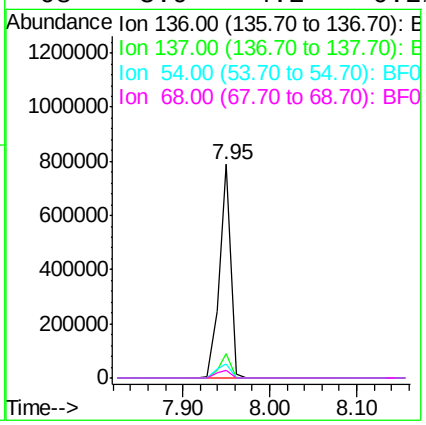
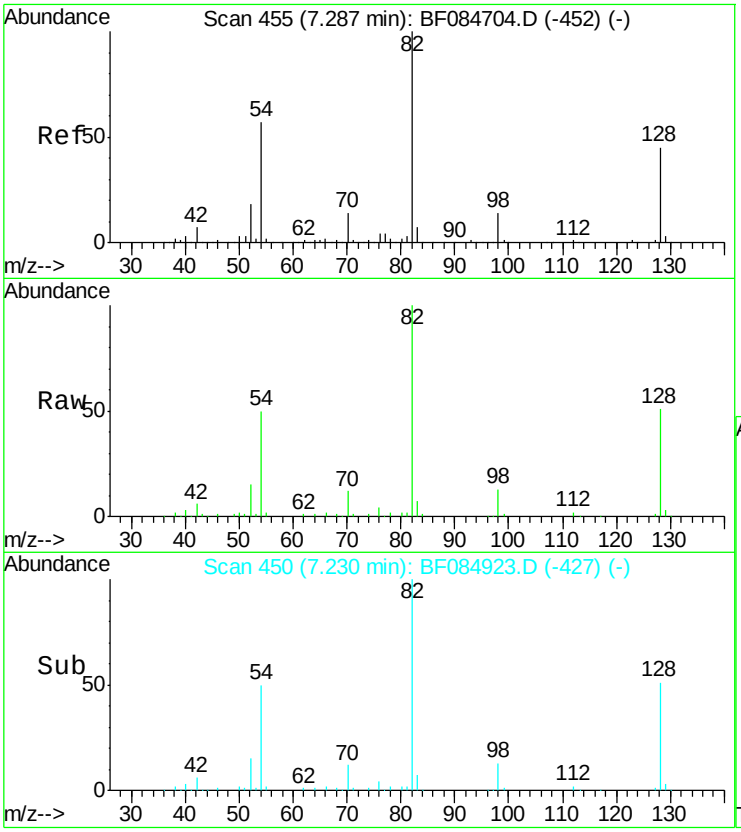


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:136 Resp: 727065

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	6.7	5.8	8.8
68	3.9	4.2	6.2#

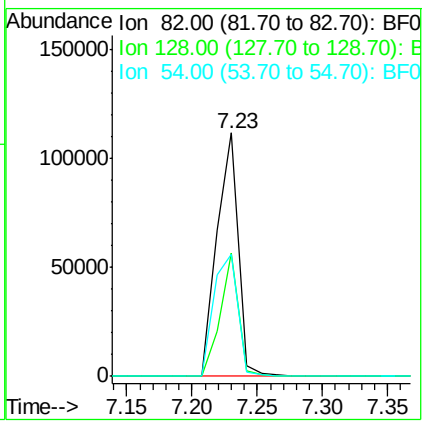




#23
Nitrobenzene-d5
Concen: 9.96 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion: 82 Resp: 128582

Ion	Ratio	Lower	Upper
82	100		
128	50.8	34.6	51.8
54	50.3	38.4	57.6



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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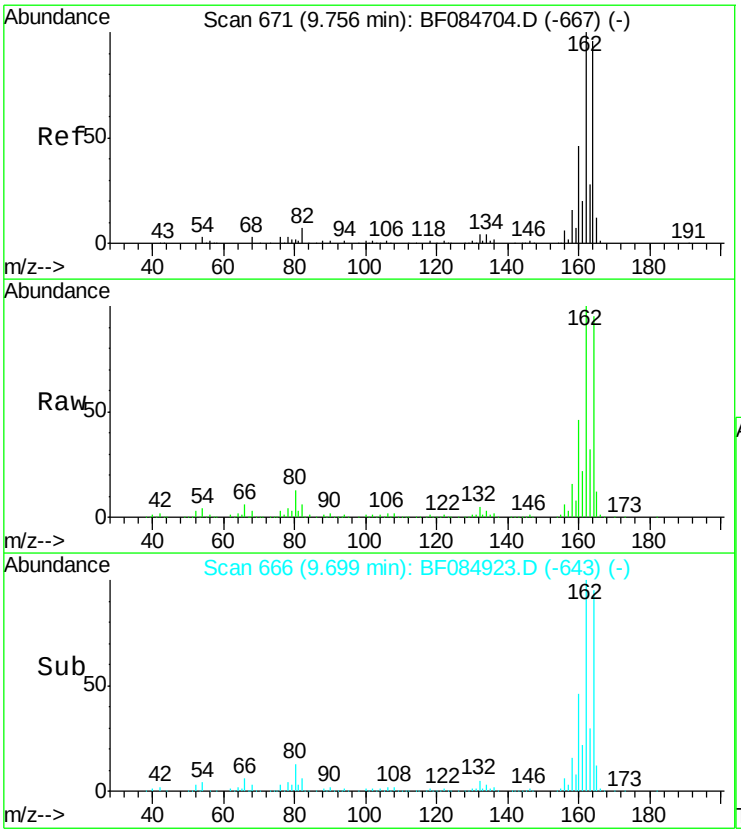
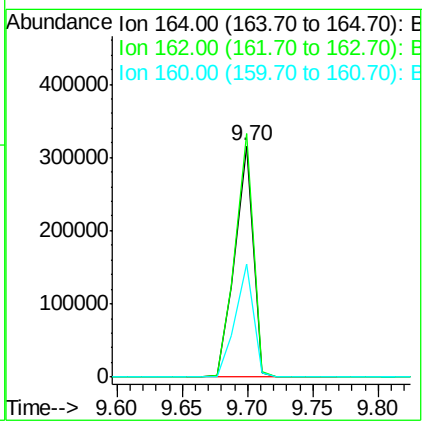
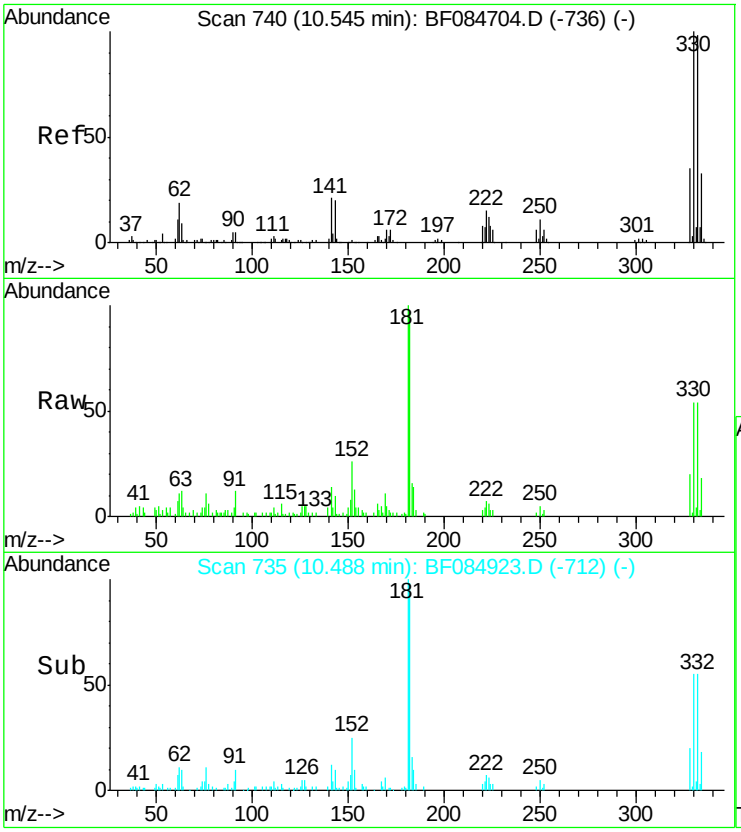


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:164 Resp: 306469

Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.1	127.7
160	48.9	37.5	56.3

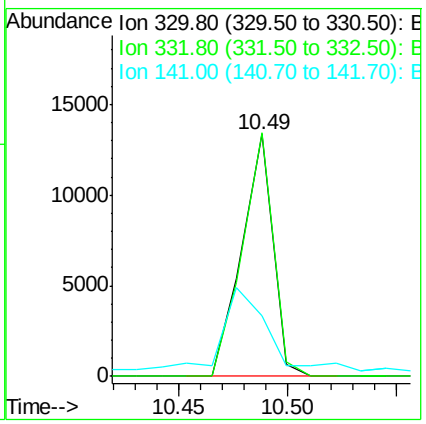




#41
2,4,6-Tribromophenol
Concen: 4.17 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:330 Resp: 13319

Ion	Ratio	Lower	Upper
330	100		
332	99.8	76.6	114.8
141	69.1	27.8	41.6#



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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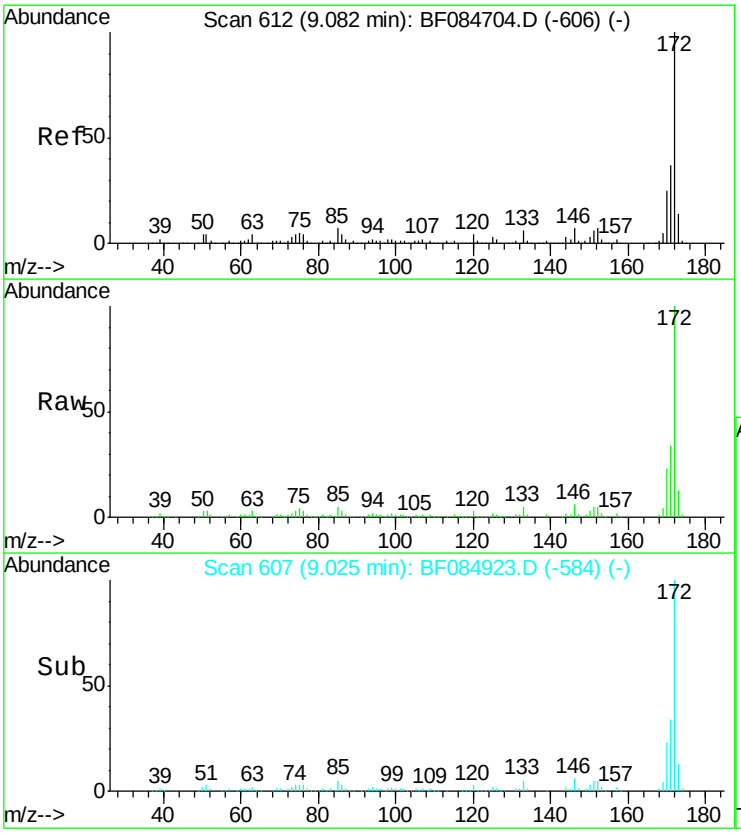
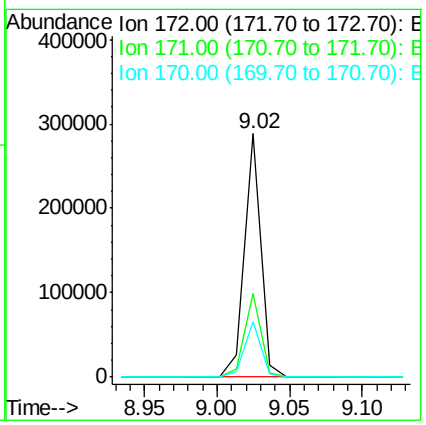
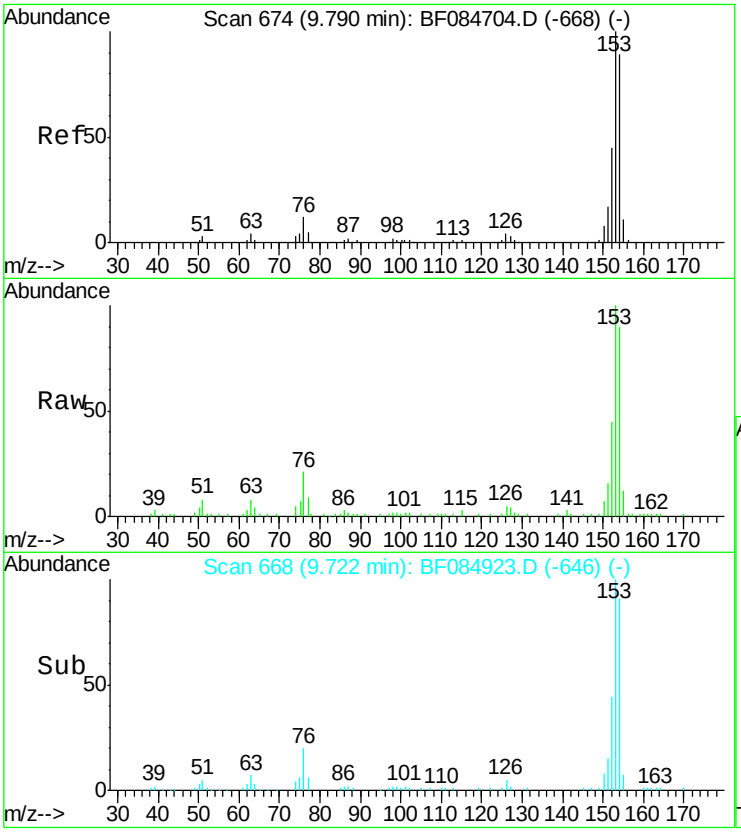


#44
2-Fluorobiphenyl
Concen: 8.73 ng
RT: 9.02 min Scan# 607
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:172 Resp: 227343

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.9	43.3
170	22.9	18.6	27.8

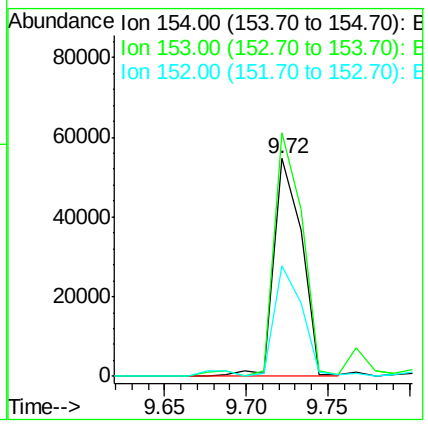




#51
Acenaphthene
Concen: 3.28 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.05 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:154 Resp: 65277

Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.5	137.3
152	50.5	43.0	64.6



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

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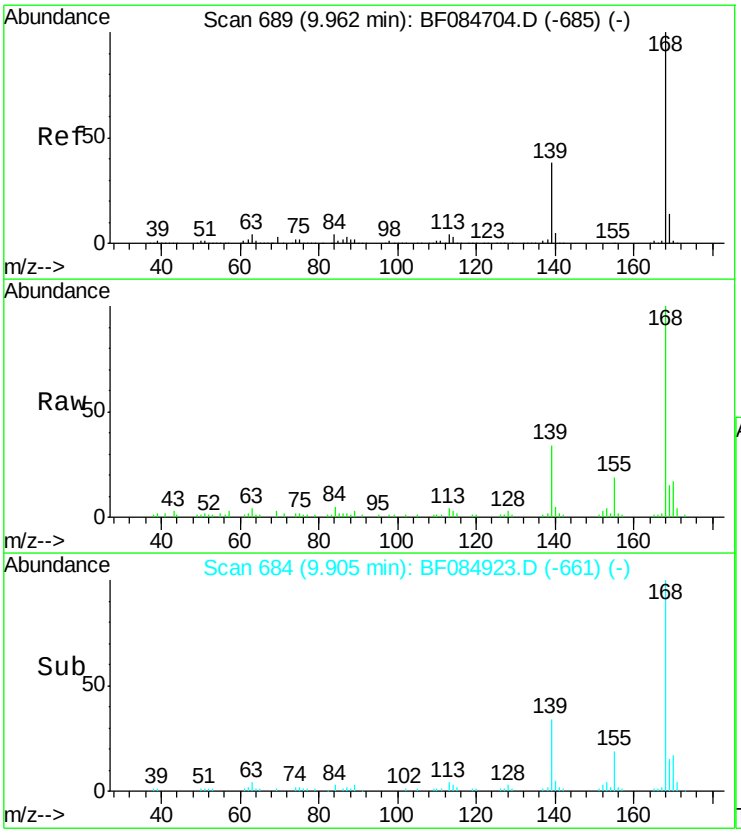
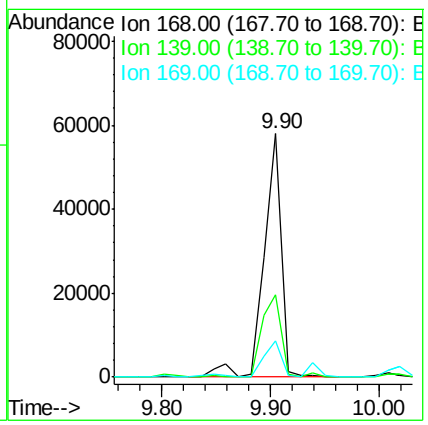
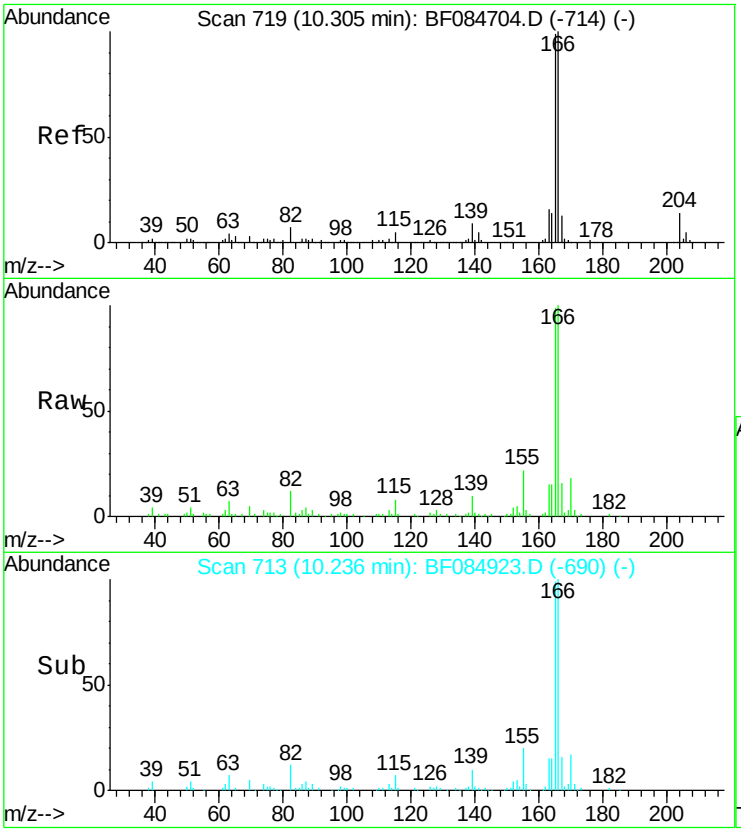


#54
Dibenzofuran
Concen: 2.66 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:168 Resp: 64608

Ion	Ratio	Lower	Upper
168	100		
139	33.8	30.5	45.7
169	14.9	10.4	15.6

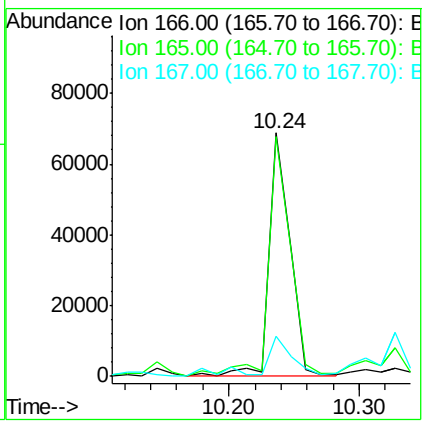




#57
Fluorene
Concen: 3.82 ng
RT: 10.24 min Scan# 713
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:166 Resp: 77624

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.1	118.7
167	16.3	10.4	15.6#



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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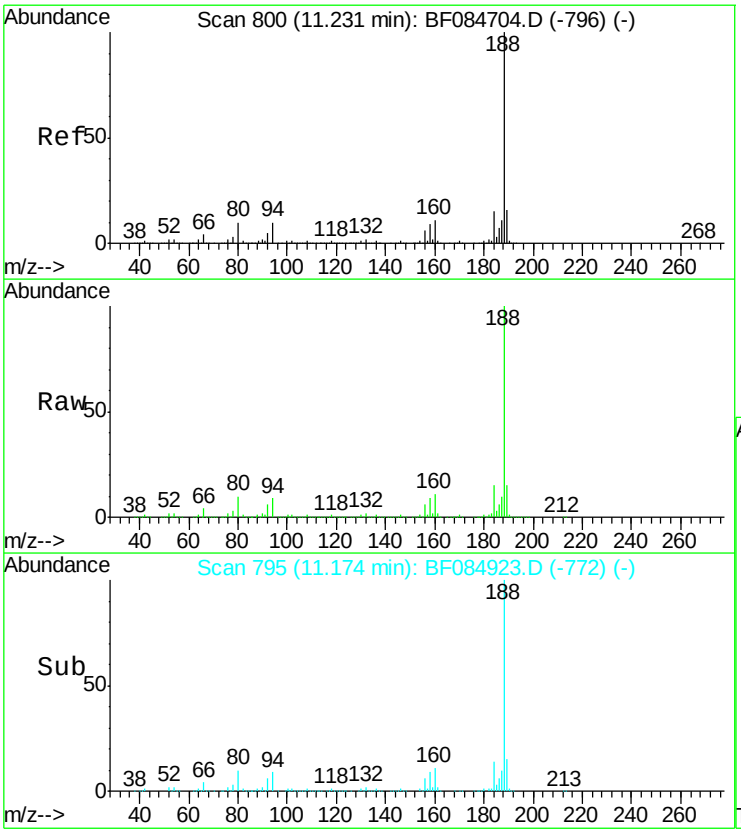
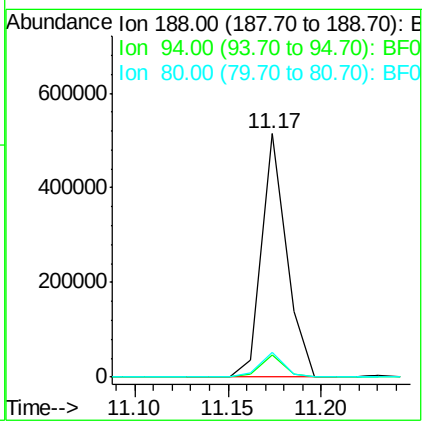
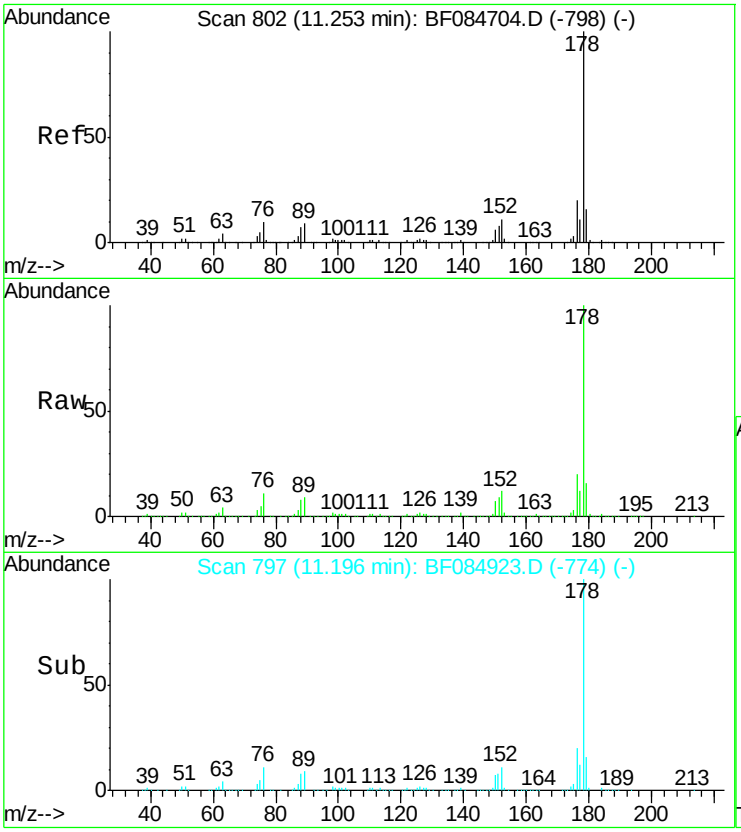


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:188 Resp: 474435

Ion	Ratio	Lower	Upper
188	100		
94	9.2	9.0	13.4
80	10.2	9.6	14.4

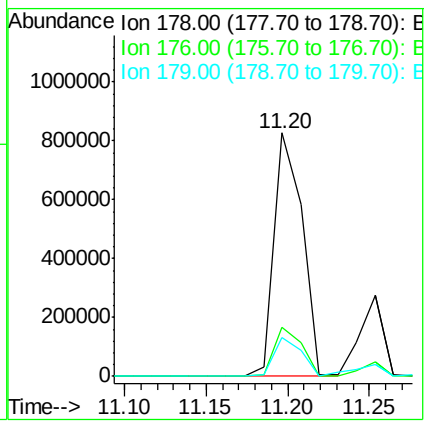




#70
Phenanthrene
Concen: 38.02 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:178 Resp: 1000524

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.3	22.9
179	16.1	12.0	18.0



Instrument :
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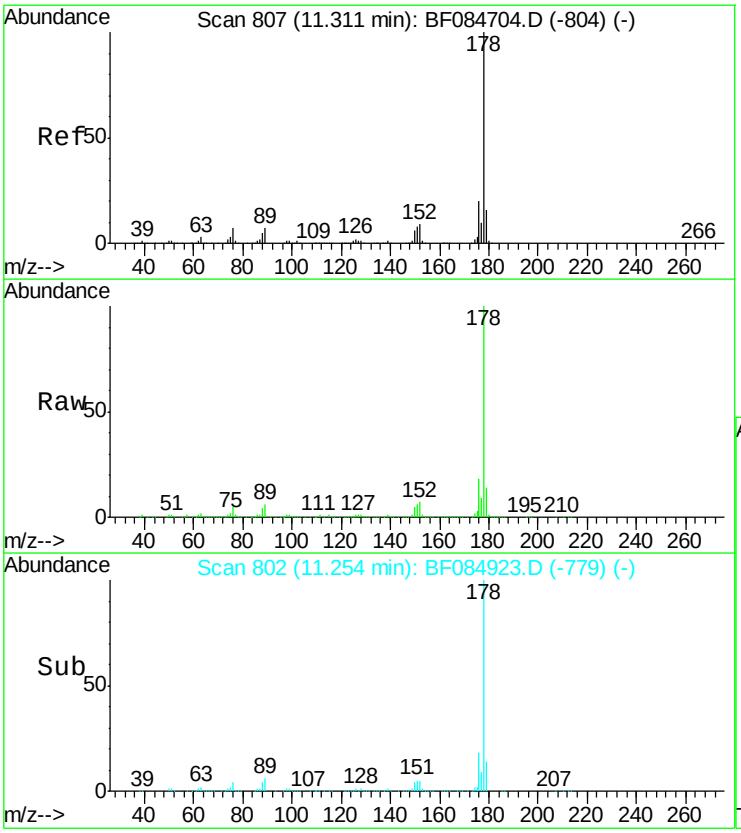
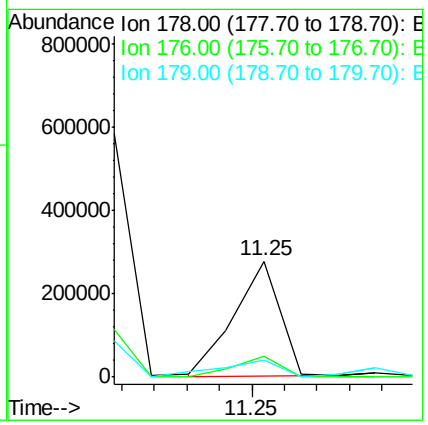
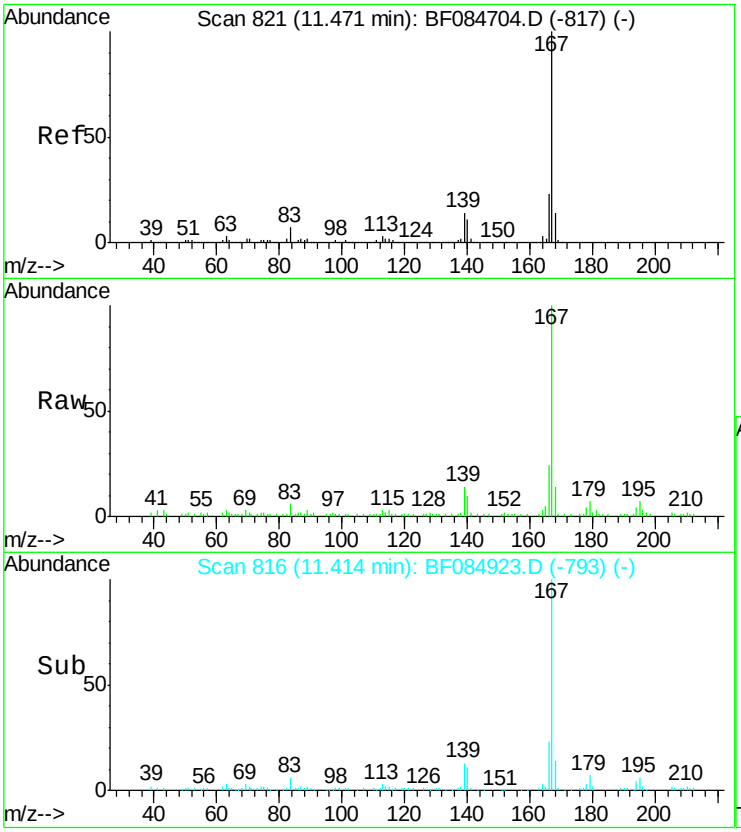


#71
Anthracene
Concen: 10.04 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:178 Resp: 266292

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	14.2	12.5	18.7

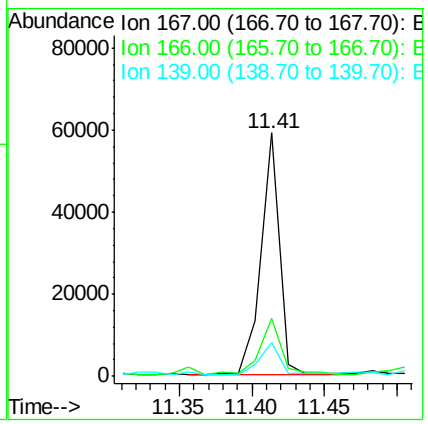




#72
Carbazole
Concen: 2.25 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:167 Resp: 52135

Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.6	26.4
139	13.7	11.8	17.8



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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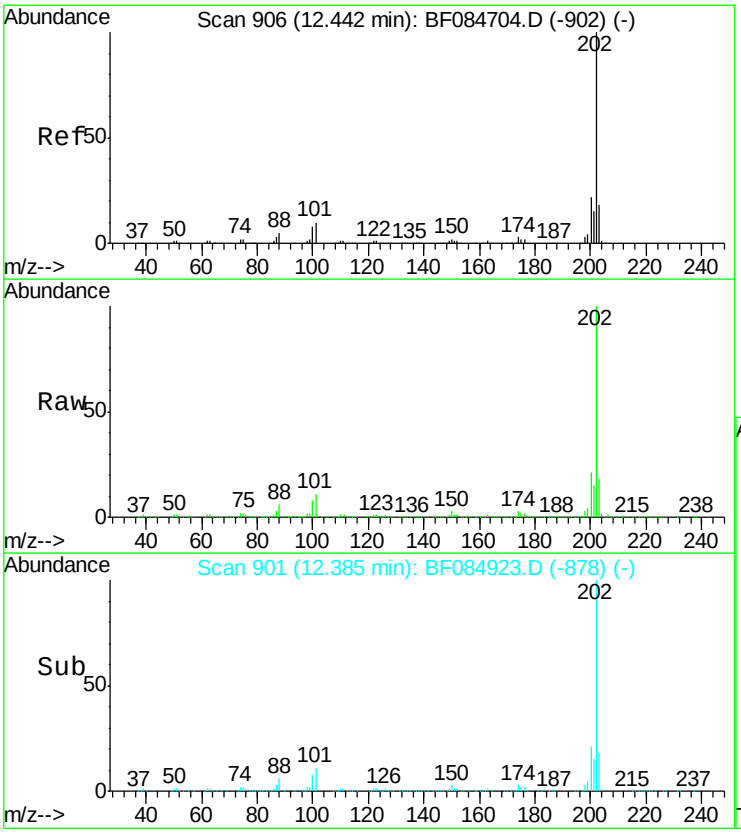
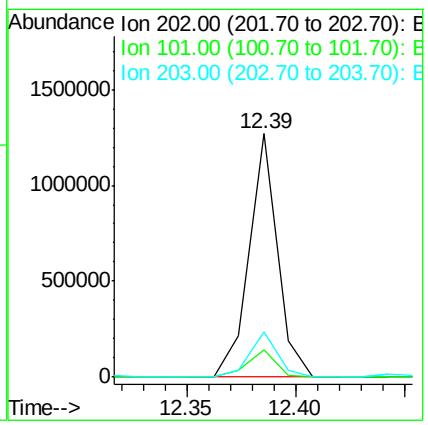
2/8/2016 3:04:32 PM

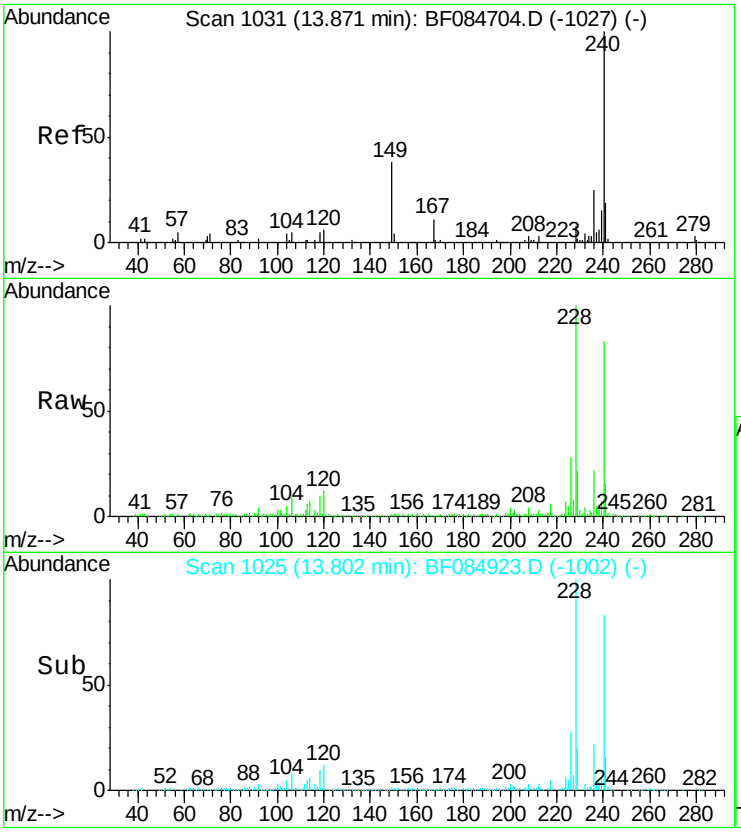


#74
Fluoranthene
Concen: 43.12 ng
RT: 12.39 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:202 Resp: 1148383

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.8
203	18.4	0.0	37.9

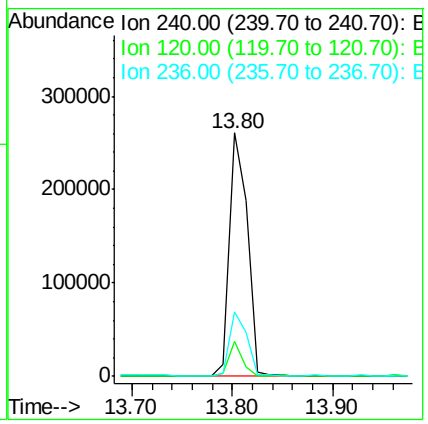




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:240 Resp: 323323

Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	26.3	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

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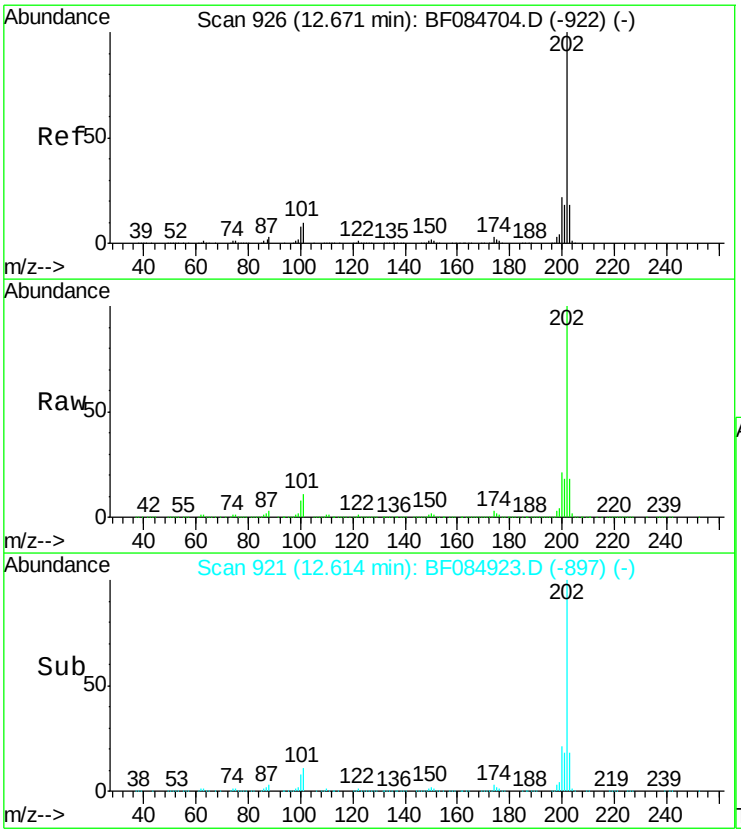
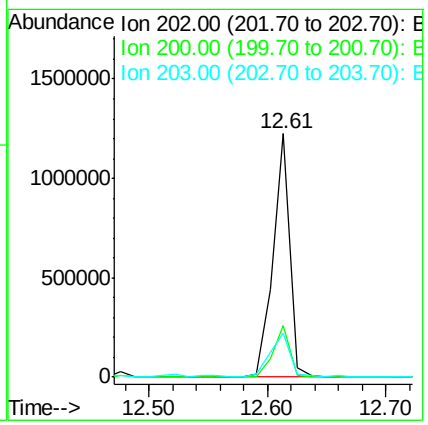
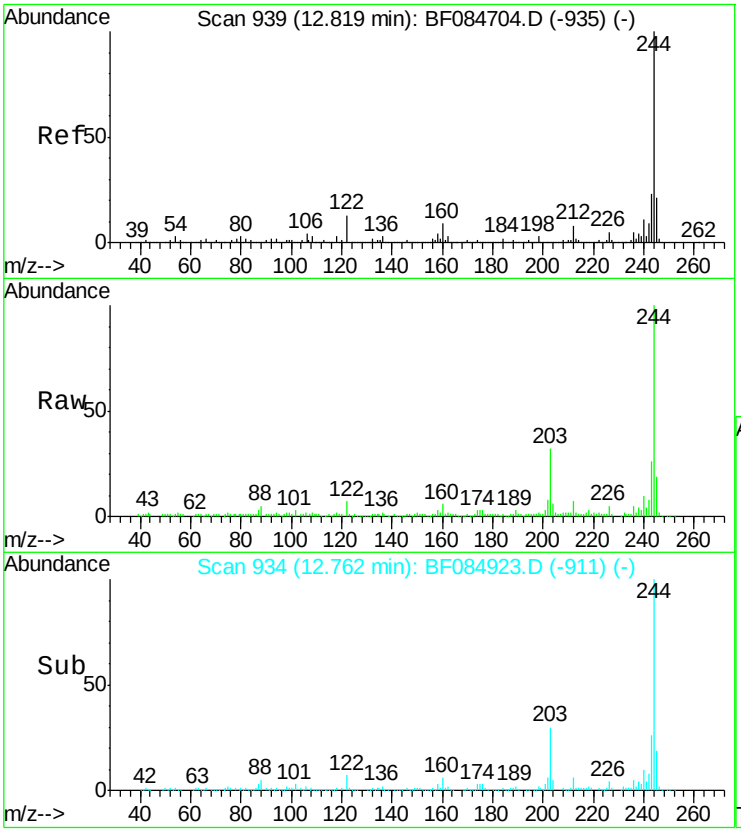


#77
Pyrene
Concen: 48.16 ng
RT: 12.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:202 Resp: 1192259

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	18.0	14.3	21.5

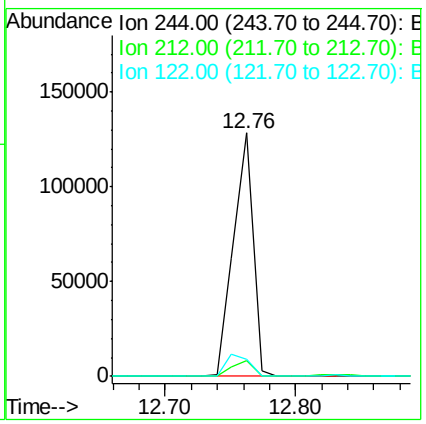




#78
Terphenyl-d14
Concen: 9.40 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:244 Resp: 134163

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	7.1	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

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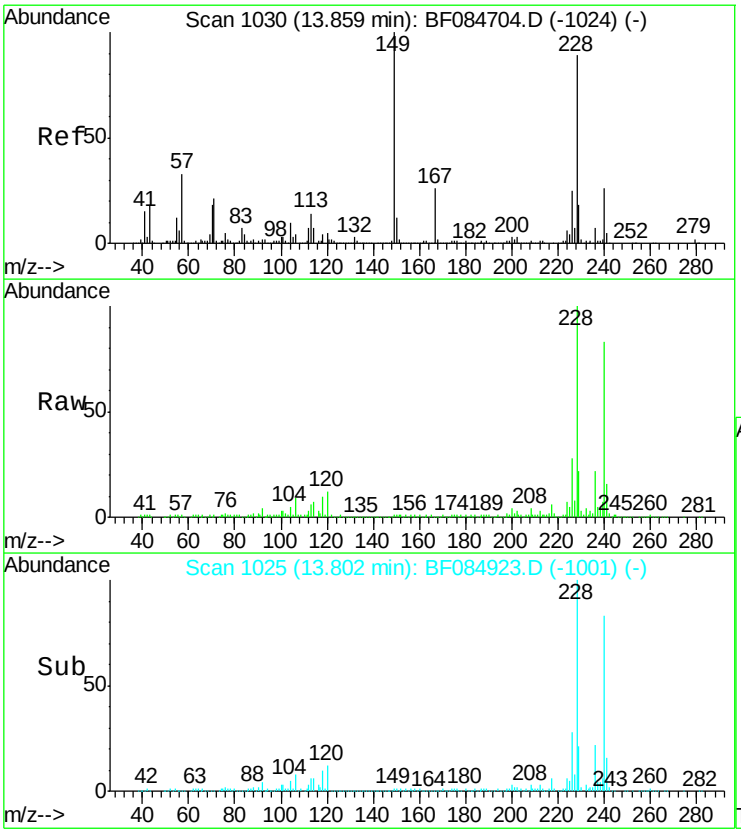
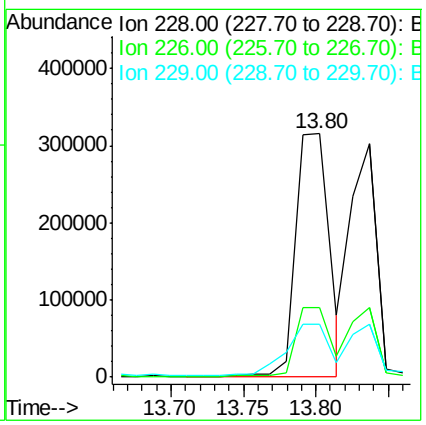
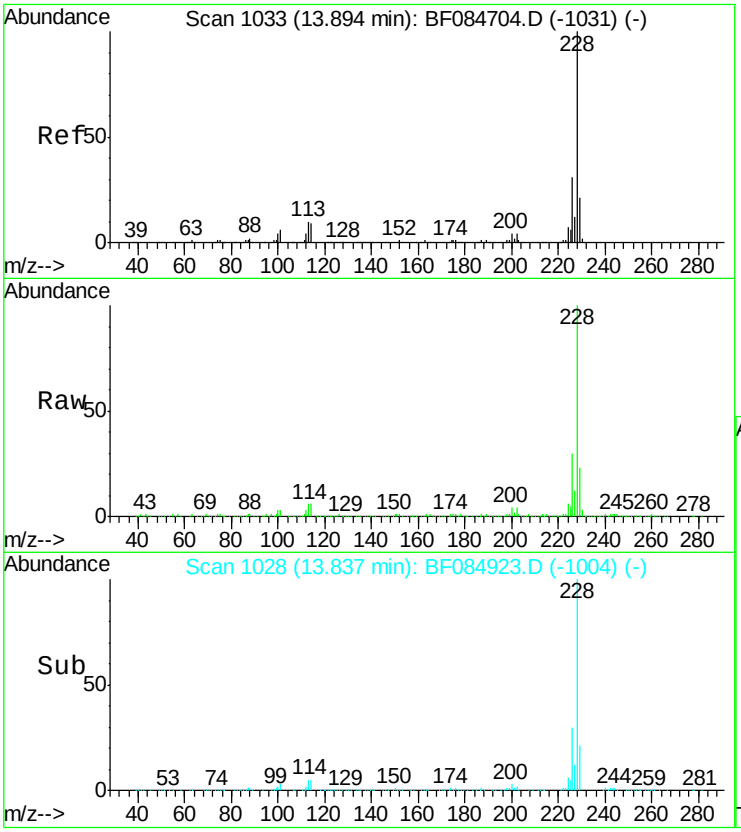


#80
Benzo(a)anthracene
Concen: 25.10 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:228 Resp: 503744

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.6
229	21.6	15.8	23.8

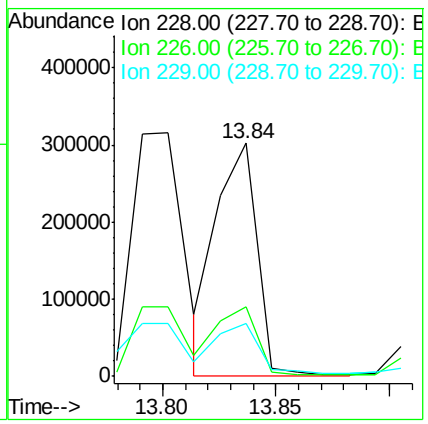




#82
Chrysene
Concen: 19.69 ng m
RT: 13.84 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:228 Resp: 383120

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	22.6	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

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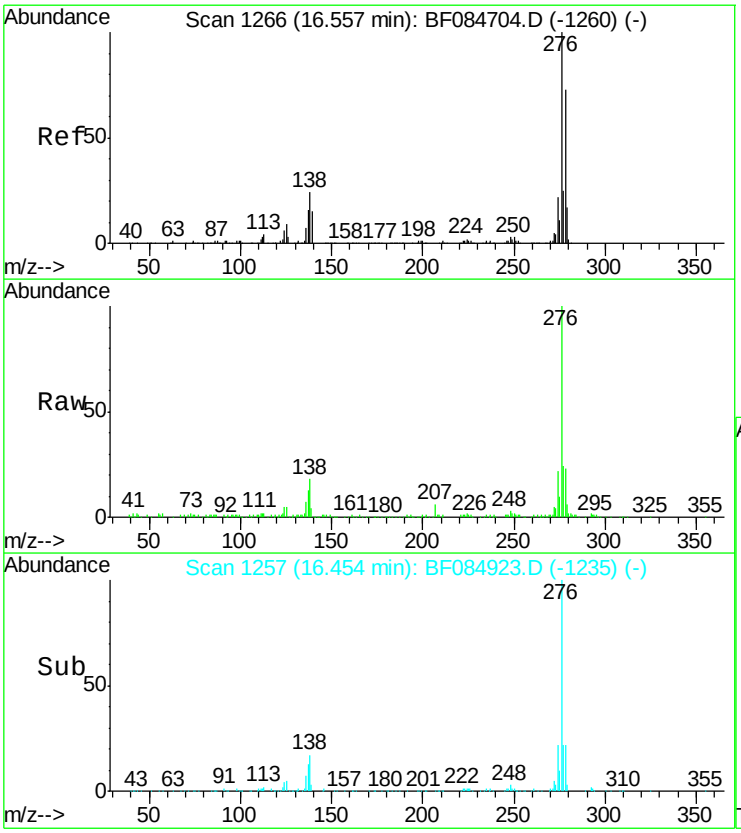
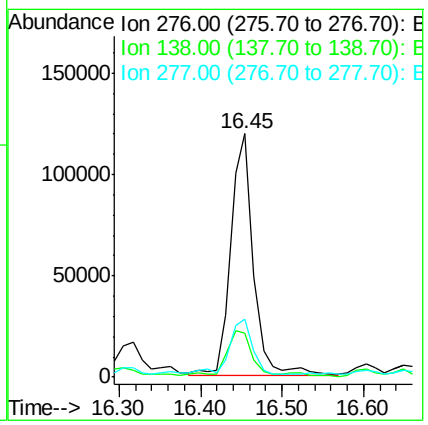
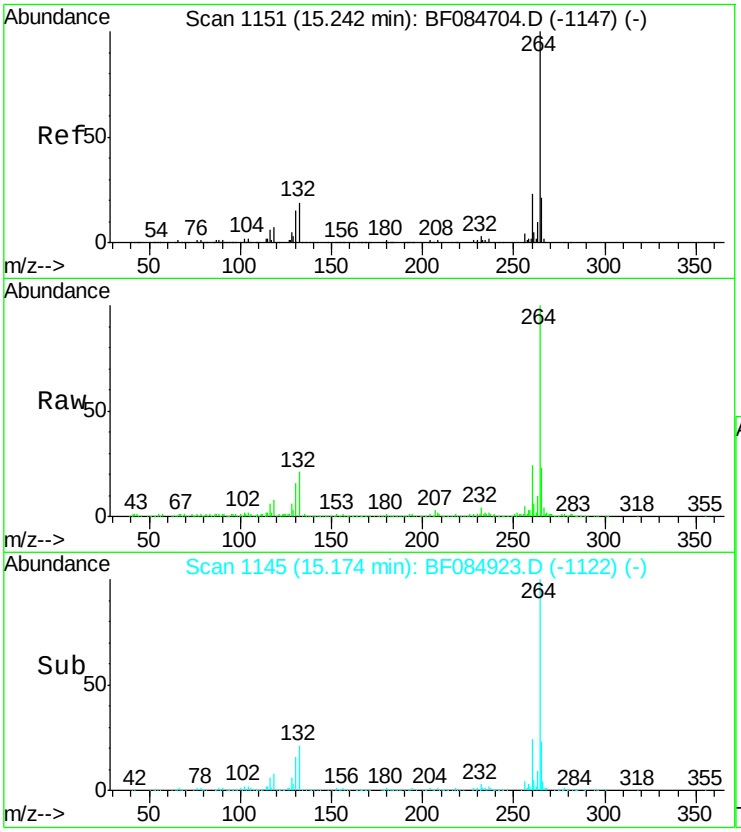


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.89 ng
RT: 16.45 min Scan# 1257
Delta R.T. -0.05 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:276 Resp: 228135

Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.6	30.8
277	24.8	20.1	30.1

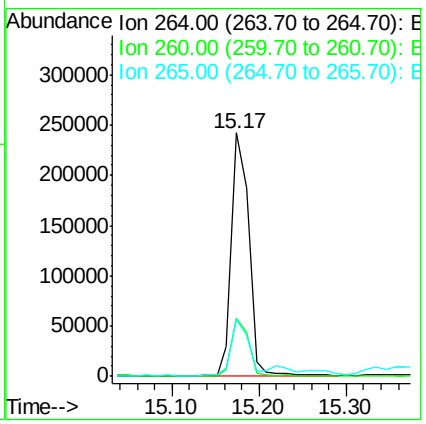




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:264 Resp: 339038

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	23.2	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

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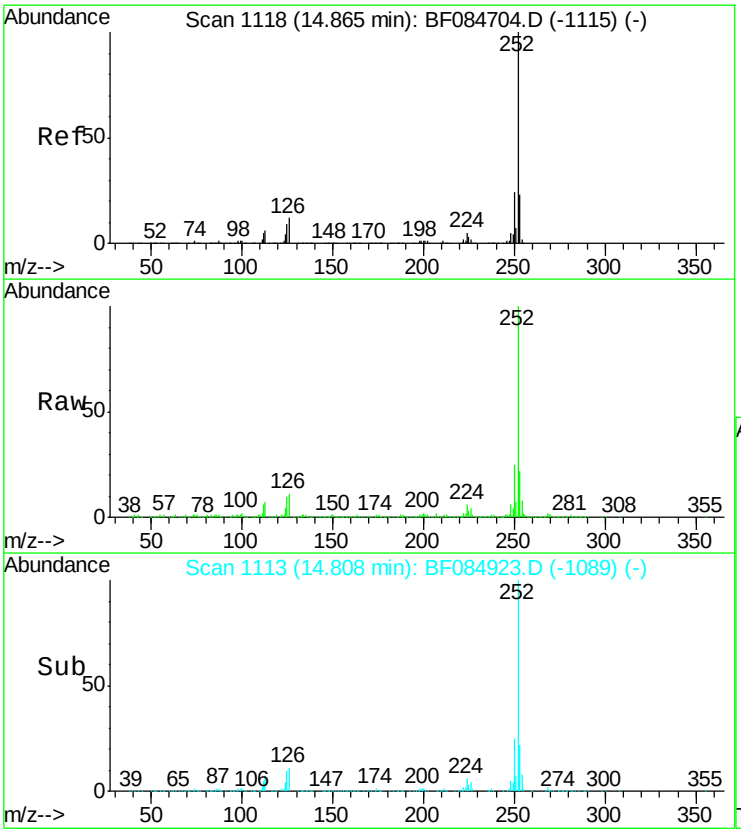
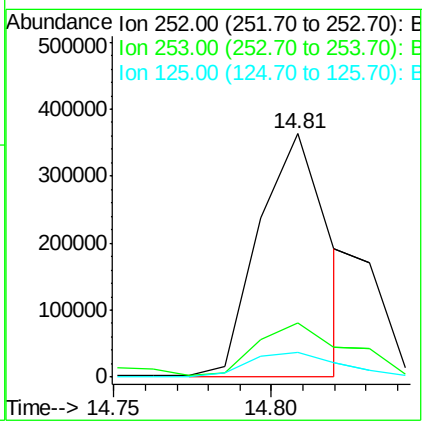
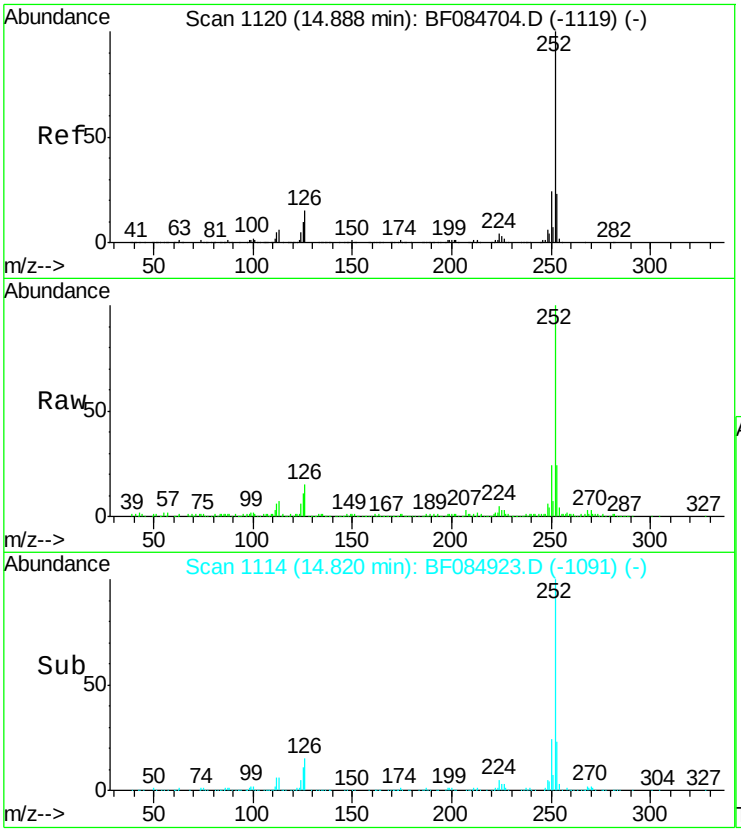


#87
Benzo(b)fluoranthene
Concen: 24.33 ng m
RT: 14.81 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:252 Resp: 554255

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.0	6.5	9.7#

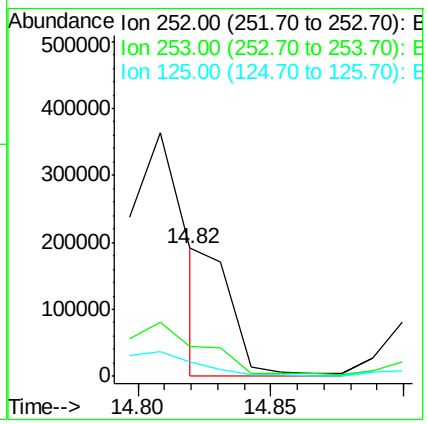




#88
Benzo(k)fluoranthene
Concen: 7.23 ng m
RT: 14.82 min Scan# 1114
Delta R.T. -0.03 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:252 Resp: 136266

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

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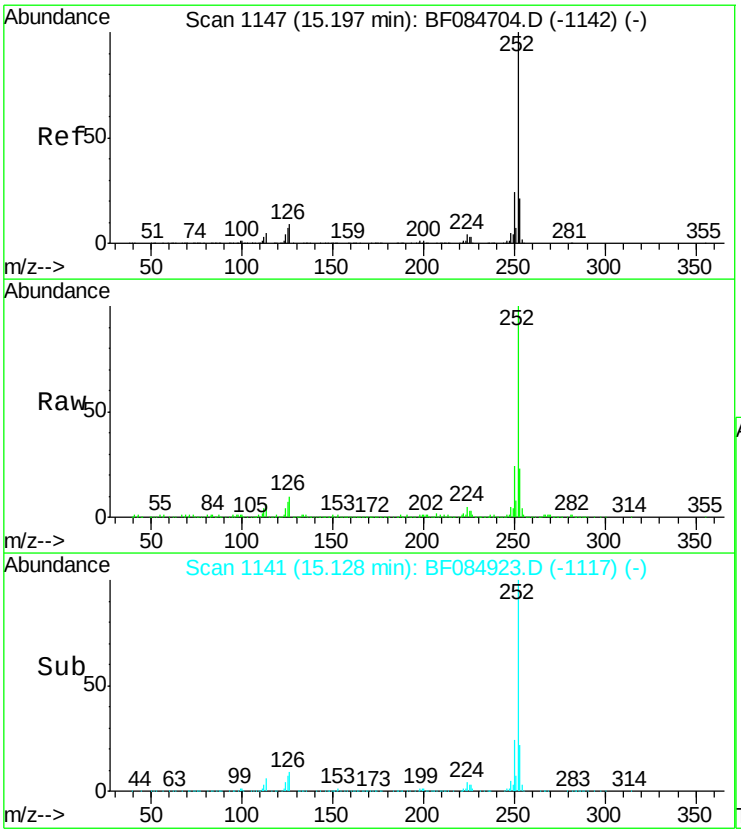
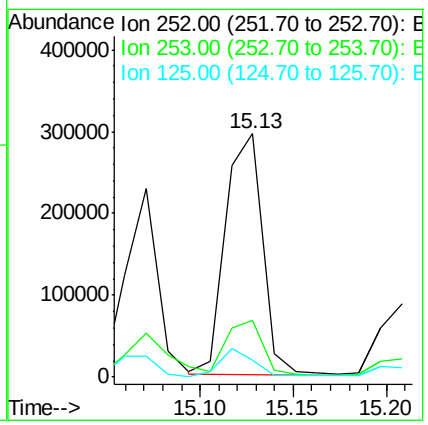
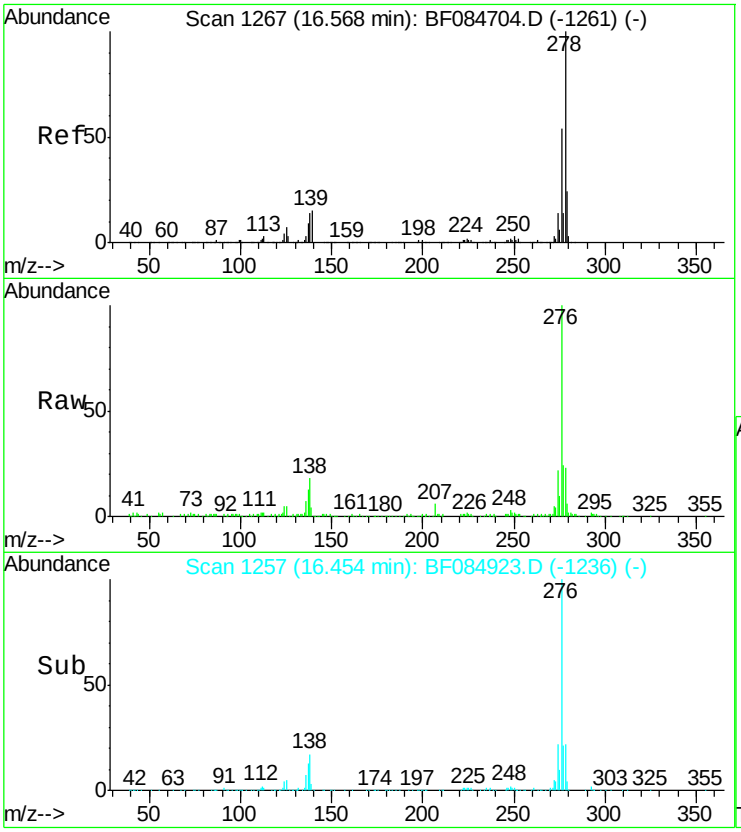


#89
Benzo(a)pyrene
Concen: 21.18 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:252 Resp: 411175

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	7.0	7.0	10.4

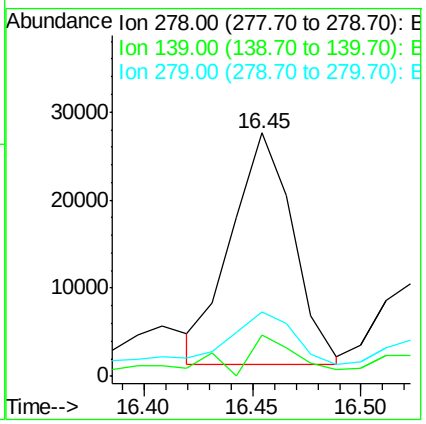




#90
Dibenzo(a,h)anthracene
Concen: 3.18 ng m
RT: 16.45 min Scan# 1257
Delta R.T. -0.06 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:278 Resp: 51930

Ion	Ratio	Lower	Upper
278	100		
139	17.0	15.0	22.4
279	26.6	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
S4-B013(6-8)DL

Manual Integrations APPROVED
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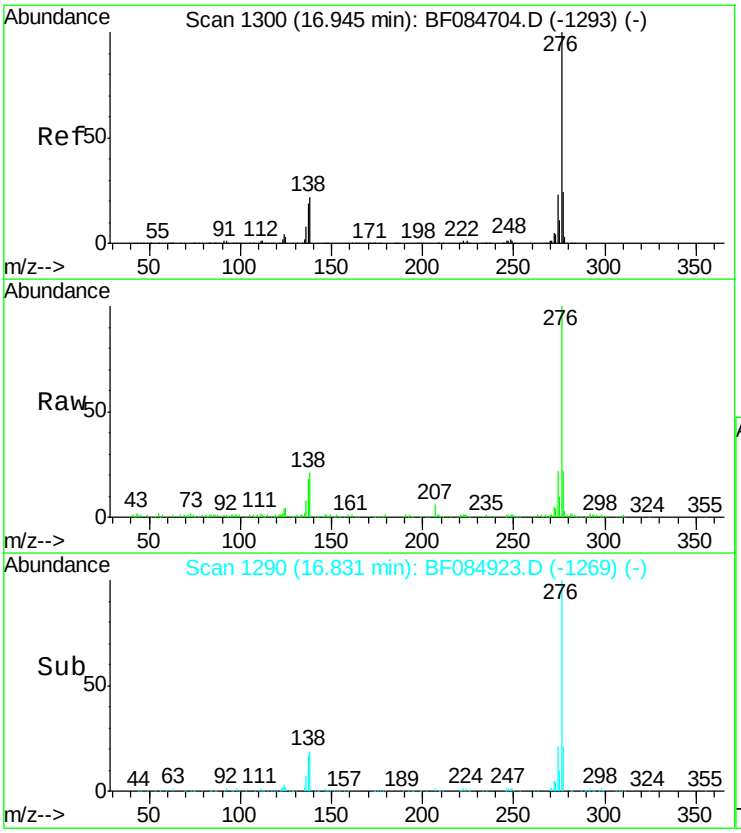

#91
Benzo(g,h,i)perylene
Concen: 13.06 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF084923.D
Acq: 6 Feb 2016 20:31

Tgt Ion:276 Resp: 214875

Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.8	28.2
138	21.1	17.8	26.6