Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084934.D
Acq On : 8 Feb 2016 17:51
Operator : SJ/IZ
Sample : H1311-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(0-2)

Manual Integrations APPROVED
UMANGI
2/9/2016 12:56:54 PM

Quant Time: Feb 09 03:15:27 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	6.65	152	165690	20.00	ng		-0.03
21) Naphthalene-d8	7.94	136	695885	20.00	ng		-0.03
38) Acenaphthene-d10	9.69	164	312435	20.00	ng		-0.05
63) Phenanthrene-d10	11.16	188	518935	20.00	ng		-0.05
75) Chrysene-d12	13.79	240	343853	20.00	ng		-0.05
86) Perylene-d12	15.16	264	304571	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.24	112	960021	90.25	ng		-0.03
7) Phenol-d6	6.30	99	1169078	88.65	ng		-0.03
23) Nitrobenzene-d5	7.22	82	748095	60.56	ng		-0.05
41) 2,4,6-Tribromophenol	10.48	330	308147	94.55	ng		-0.05
44) 2-Fluorobiphenyl	9.01	172	1115137	53.17	ng		-0.05
78) Terphenyl-d14	12.75	244	974758	64.24	ng		-0.05
Target Compounds							Qvalue
48) Acenaphthylene	9.54	152	98273	3.15	ng		98
49) Dimethylphthalate	9.41	163	294082	12.36	ng	#	90
54) Dibenzofuran	9.89	168	69882	2.82	ng		95
70) Phenanthrene	11.18	178	958499	33.30	ng		98
71) Anthracene	11.24	178	176264	6.08	ng		98
72) Carbazole	11.40	167	112592	4.45	ng		97
74) Fluoranthene	12.37	202	1014163	34.81	ng		96
77) Pyrene	12.60	202	738455	28.05	ng		99
80) Benzo(a)anthracene	13.78	228	408579	19.14	ng		93
82) Chrysene	13.81	228	277866	13.43	ng		97
85) Indeno(1,2,3-cd)pyrene	16.42	276	145658	8.94	ng		95
87) Benzo(b)fluoranthene	14.79	252	335234m	16.38	ng		
88) Benzo(k)fluoranthene	14.80	252	151800m	8.97	ng		
89) Benzo(a)pyrene	15.11	252	225903	12.96	ng		98
90) Dibenzo(a,h)anthracene	16.43	278	46295	3.15	ng		95
91) Benzo(g,h,i)perylene	16.80	276	122710	8.30	ng		100

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

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BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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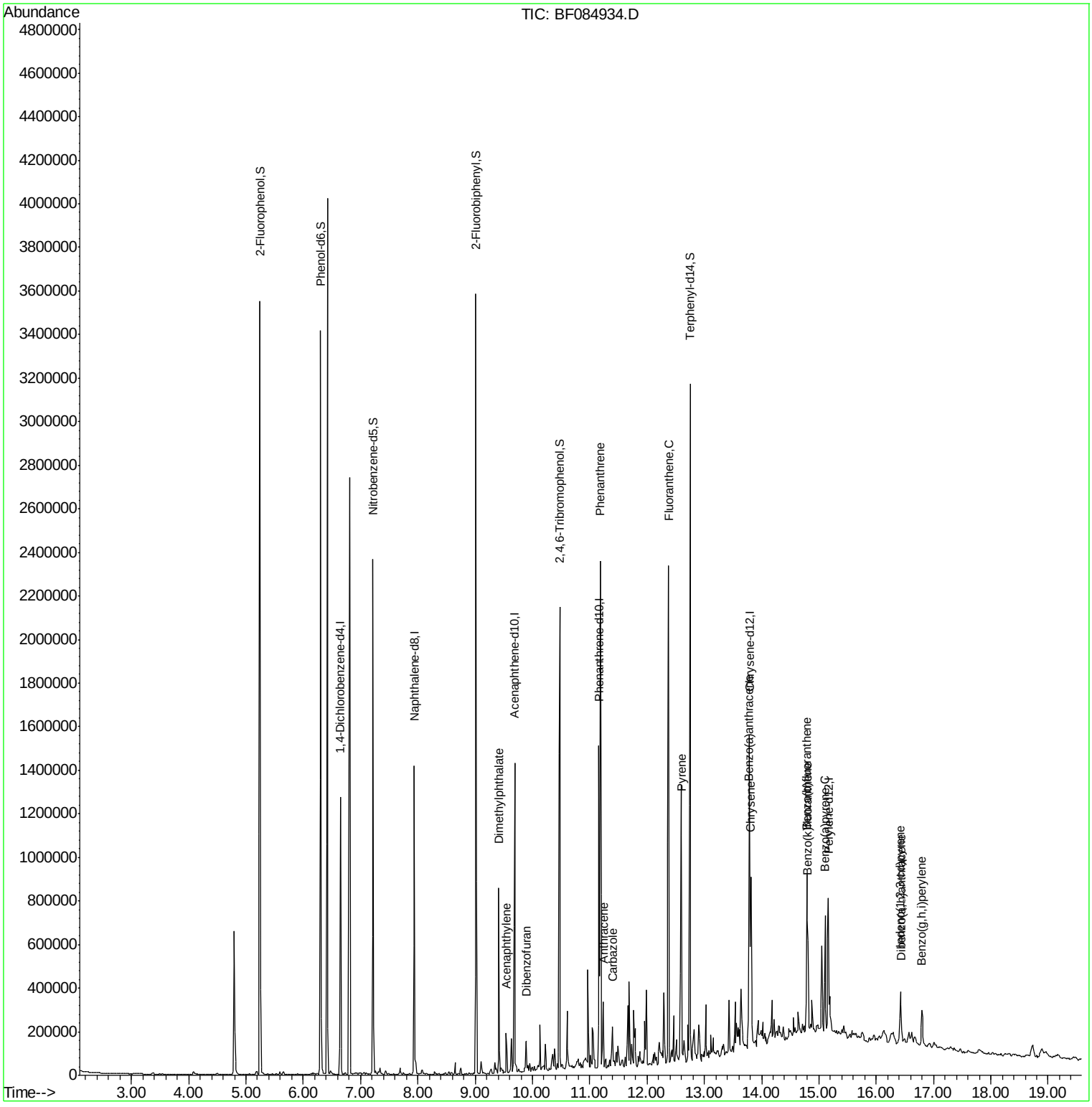
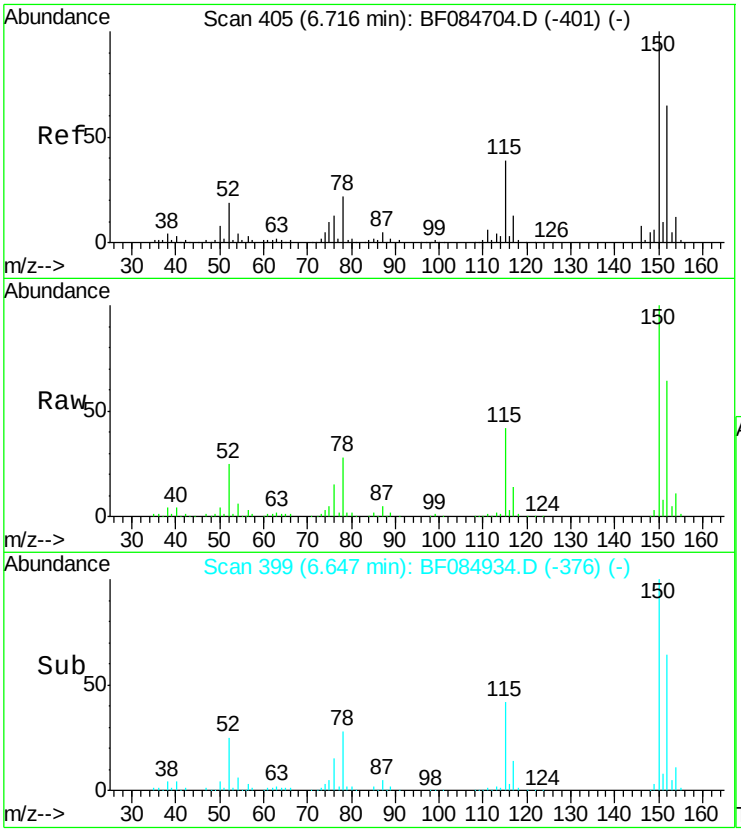
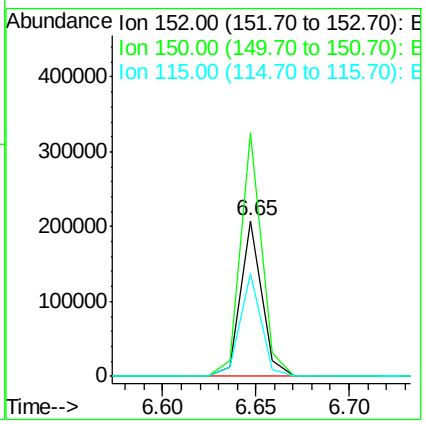




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:152 Resp: 165690

Ion	Ratio	Lower	Upper
152	100		
150	156.6	123.0	184.4
115	65.9	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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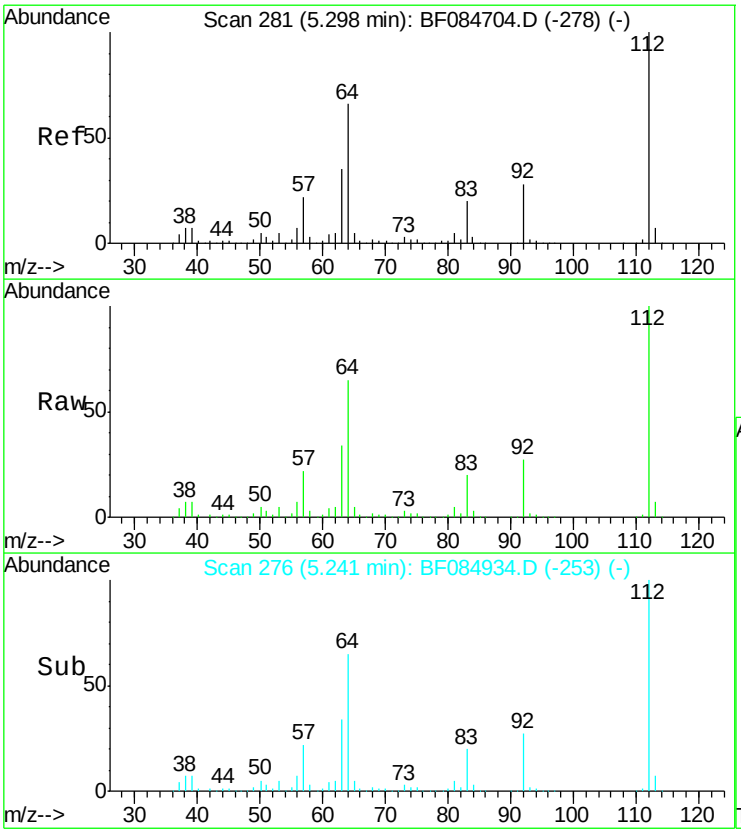
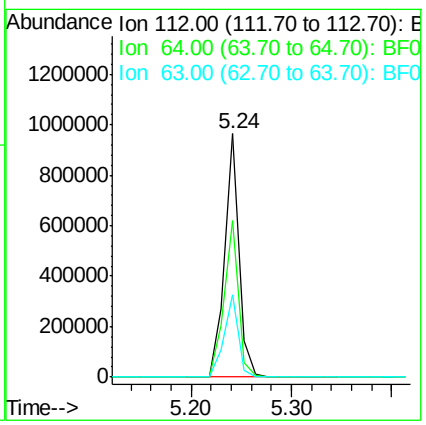
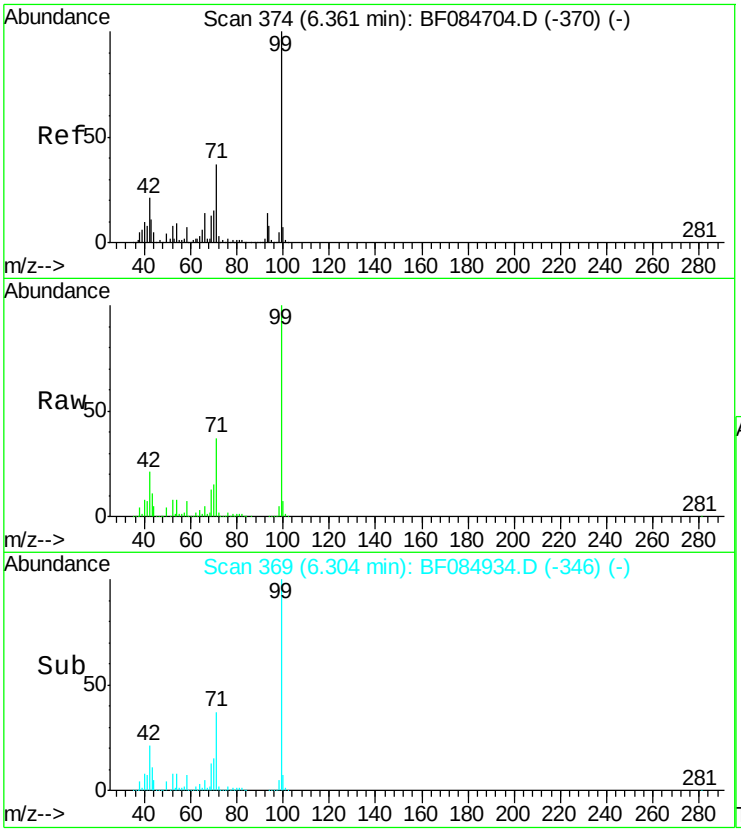


#5
2-Fluorophenol
Concen: 90.25 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:112 Resp: 960021

Ion	Ratio	Lower	Upper
112	100		
64	64.5	36.6	55.0#
63	33.7	19.4	29.0#

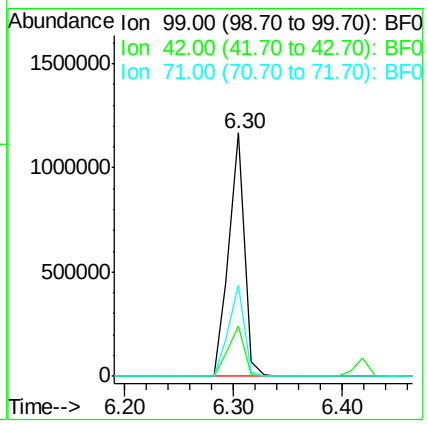




#7
Phenol-d6
Concen: 88.65 ng
RT: 6.30 min Scan# 369
Delta R.T. -0.03 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion: 99 Resp: 1169078

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	37.3	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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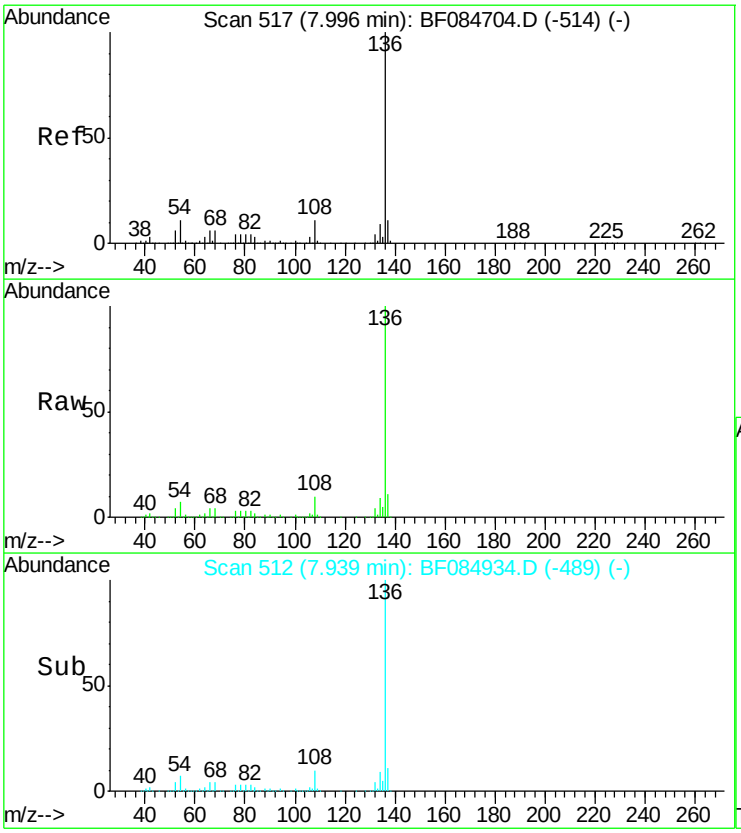
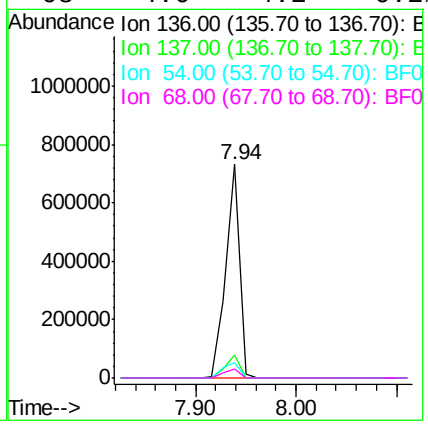
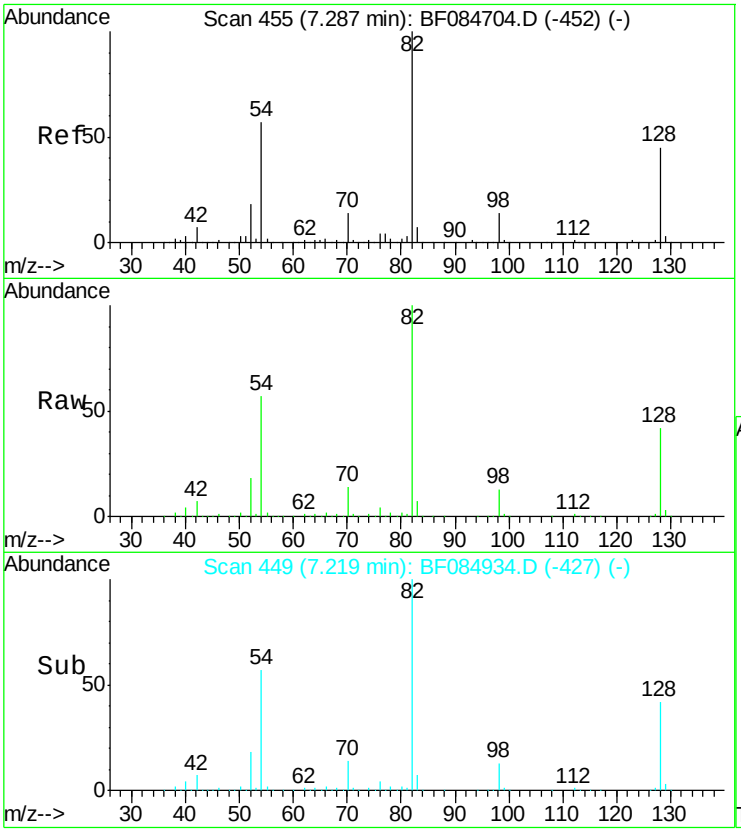


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:136 Resp: 695885

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.2	5.8	8.8
68	4.0	4.2	6.2#

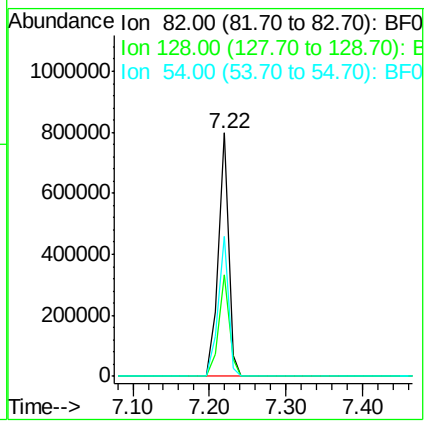




#23
Nitrobenzene-d5
Concen: 60.56 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion: 82 Resp: 748095

Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.6	51.8
54	57.5	38.4	57.6



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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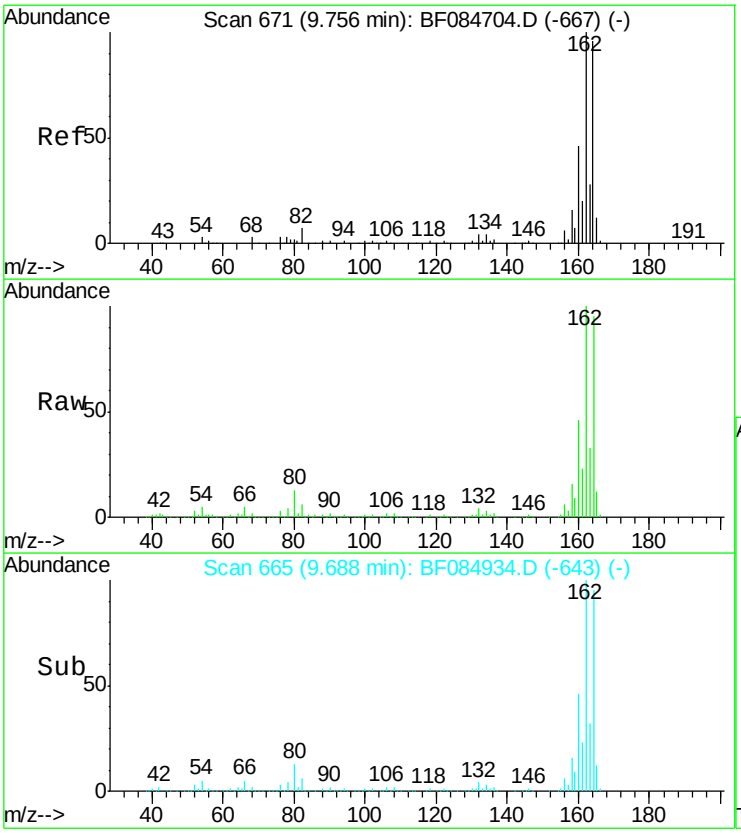
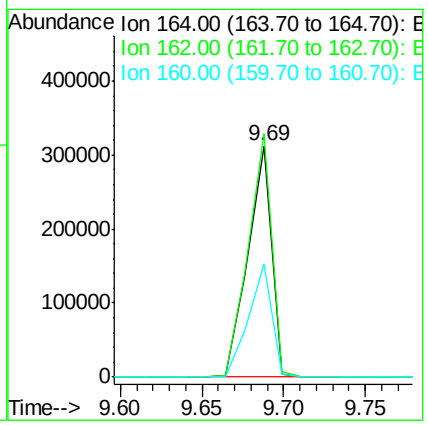
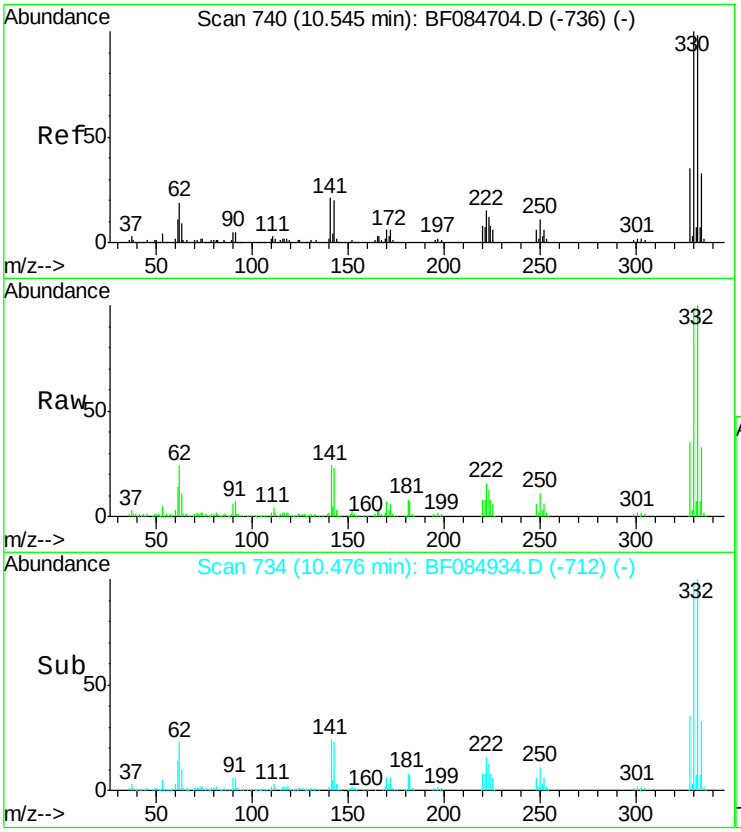


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:164 Resp: 312435

Ion	Ratio	Lower	Upper
164	100		
162	105.3	85.1	127.7
160	48.8	37.5	56.3

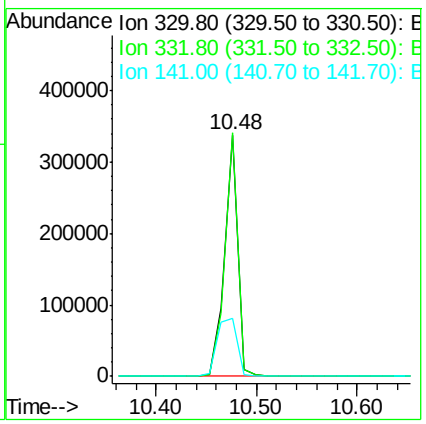




#41
2,4,6-Tribromophenol
Concen: 94.55 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:330 Resp: 308147

Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.6	114.8
141	36.6	27.8	41.6



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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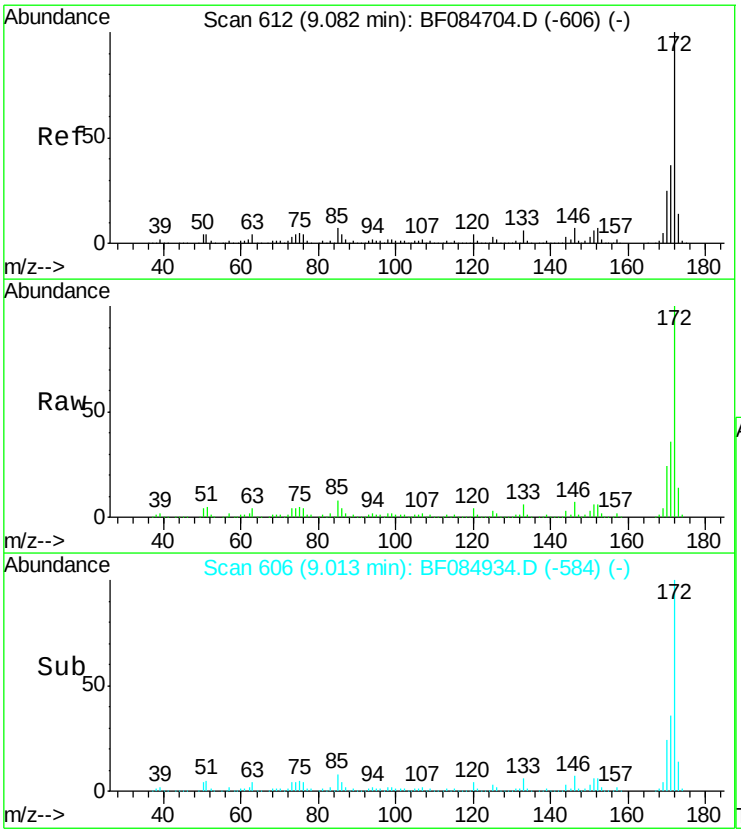
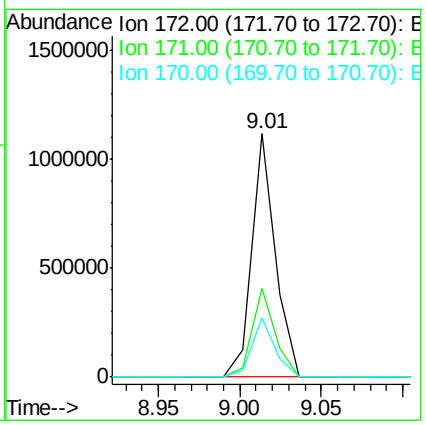
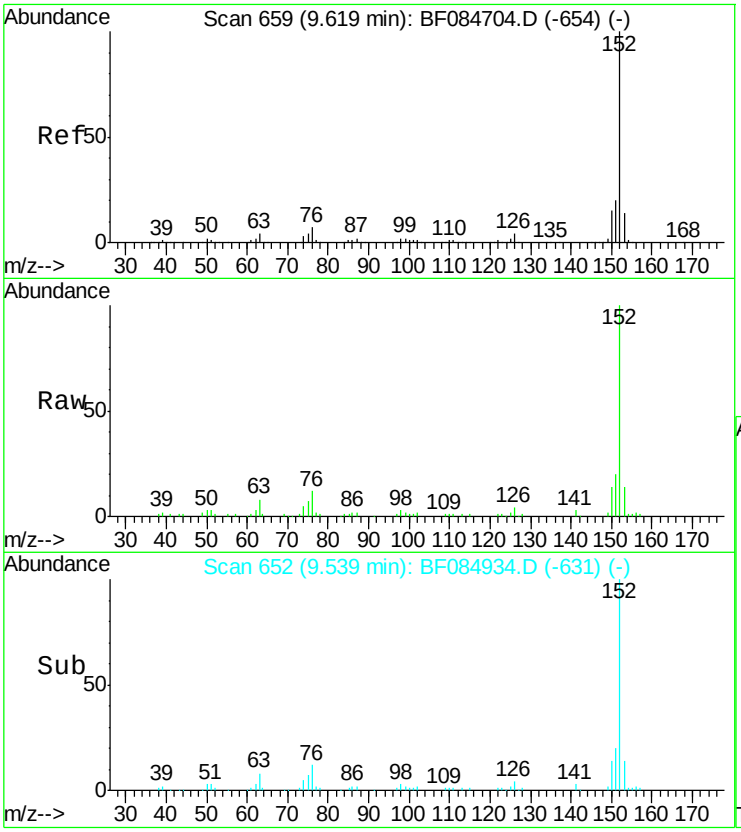


#44
2-Fluorobiphenyl
Concen: 53.17 ng
RT: 9.01 min Scan# 606
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:172 Resp: 1115137

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	24.3	18.6	27.8

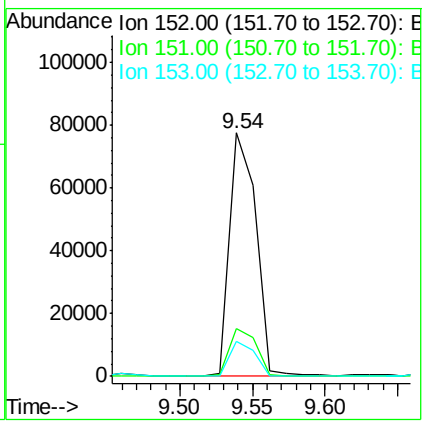




#48
Acenaphthylene
Concen: 3.15 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.06 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:152 Resp: 98273

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	14.3	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

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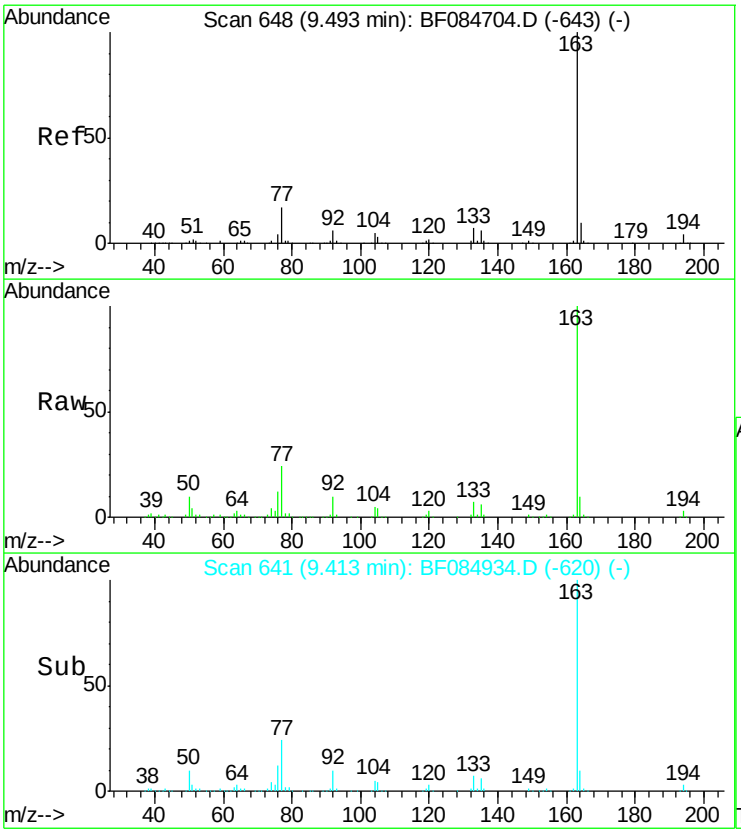
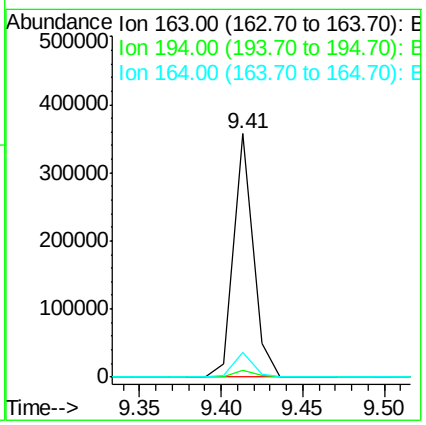
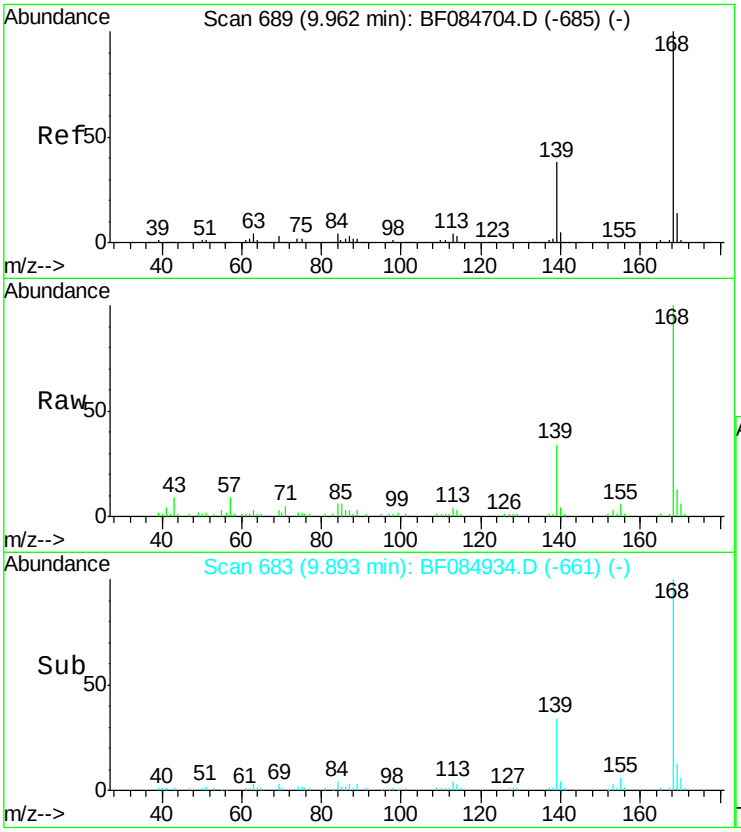


#49
Dimethylphthalate
Concen: 12.36 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:163 Resp: 294082

Ion	Ratio	Lower	Upper
163	100		
194	3.0	8.0	12.0#
164	10.1	8.0	12.0

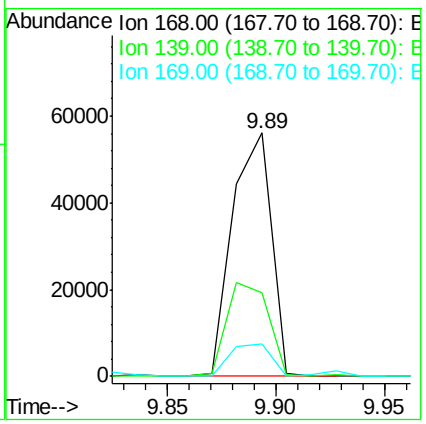




#54
Dibenzofuran
Concen: 2.82 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:168 Resp: 69882

Ion	Ratio	Lower	Upper
168	100		
139	34.1	30.5	45.7
169	13.4	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

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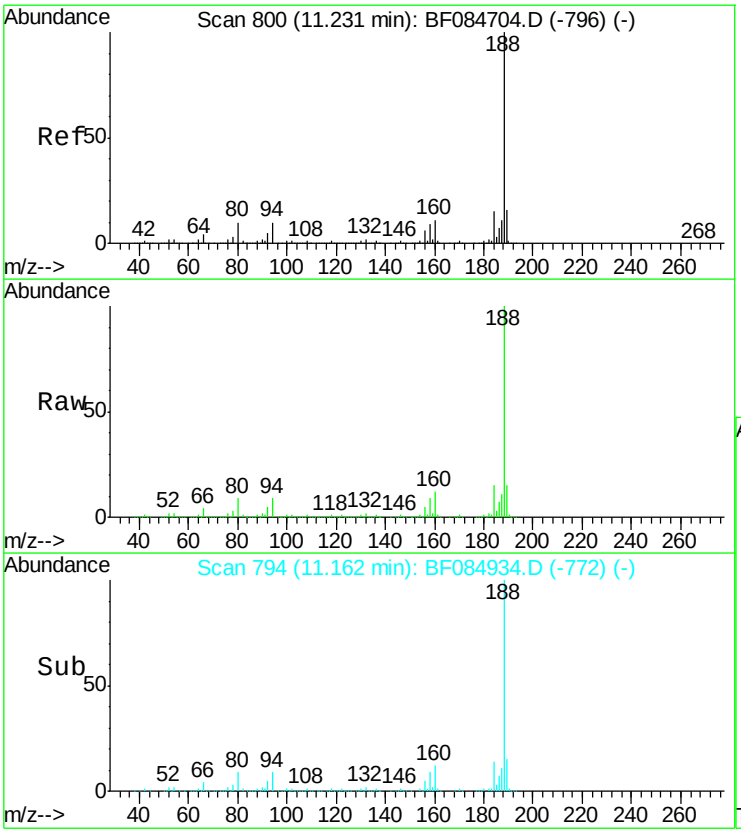
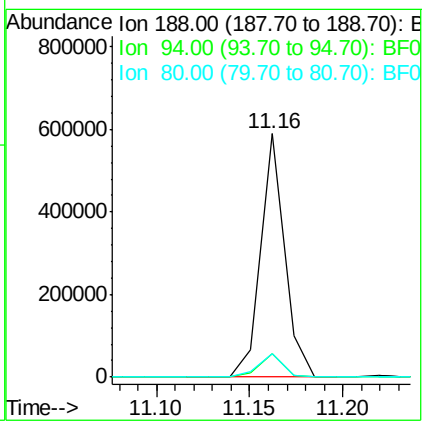
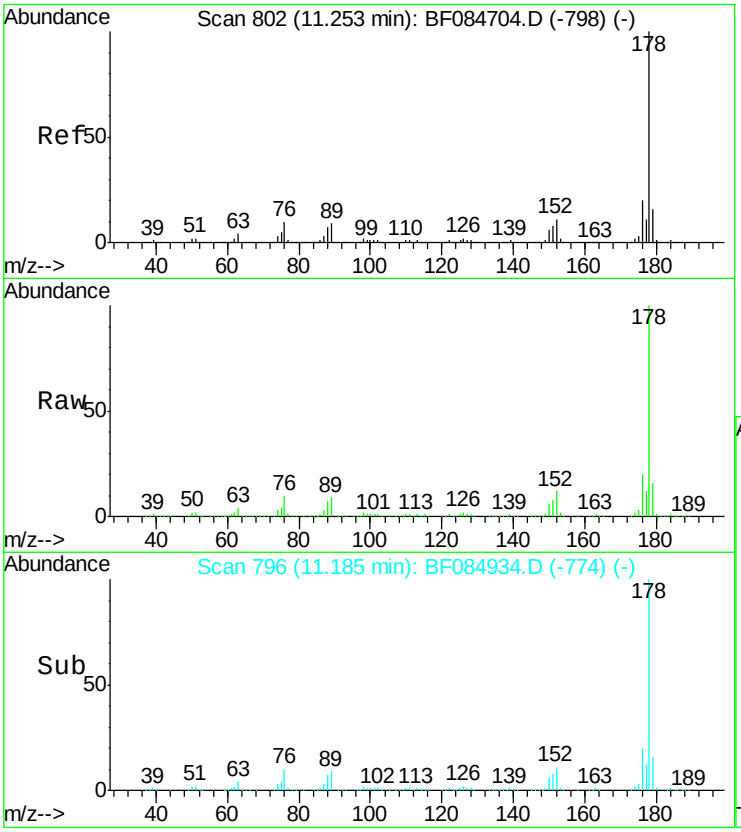


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:188 Resp: 518935

Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.5	9.6	14.4#

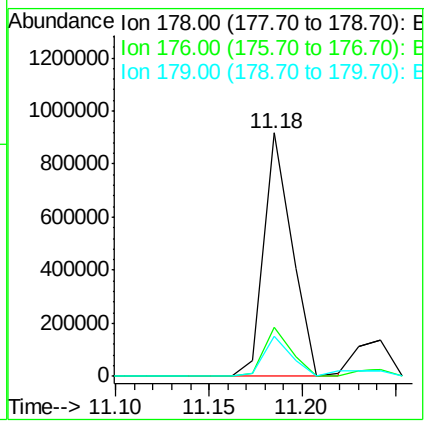




#70
Phenanthrene
Concen: 33.30 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:178 Resp: 958499

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.3	22.9
179	16.2	12.0	18.0



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SUP-B008(0-2)

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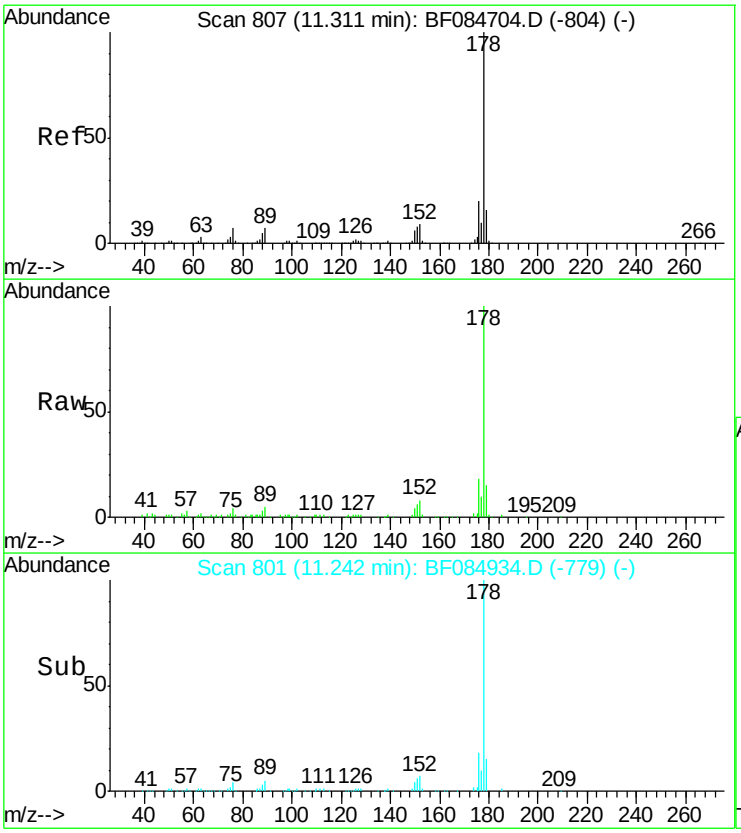
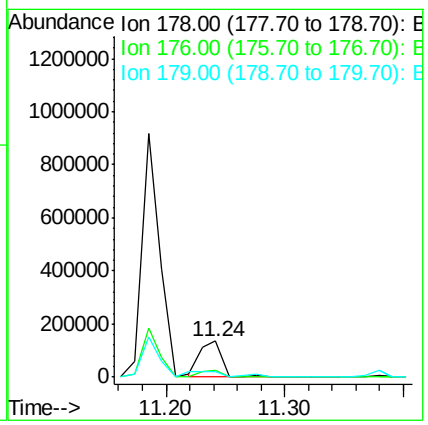
2/9/2016 12:56:54 PM

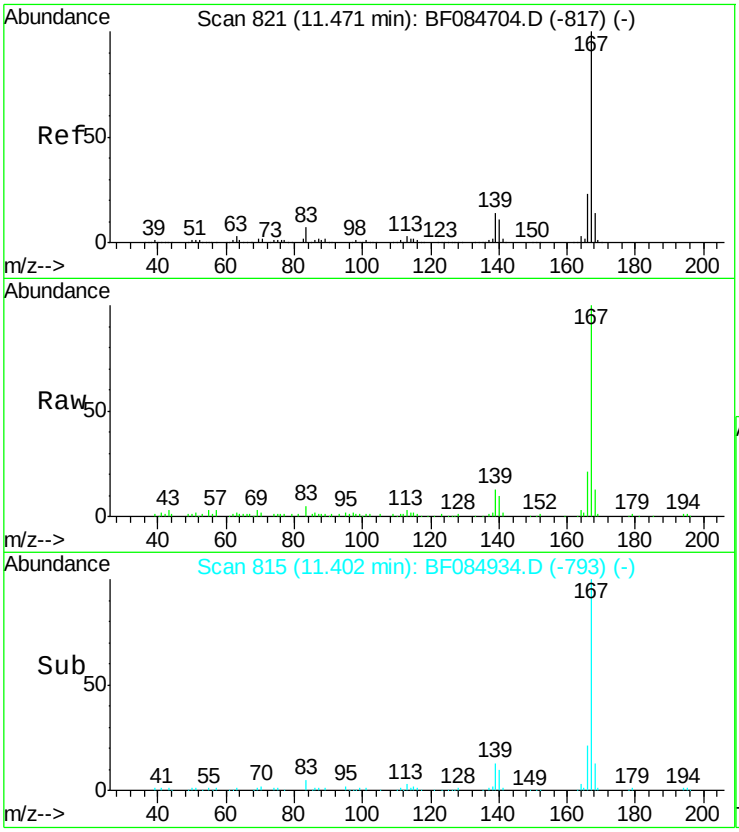


#71
Anthracene
Concen: 6.08 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:178 Resp: 176264

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	15.3	12.5	18.7

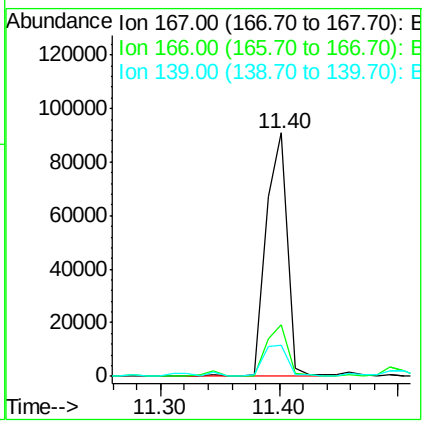




#72
Carbazole
Concen: 4.45 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:167 Resp: 112592

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.6	26.4
139	12.5	11.8	17.8



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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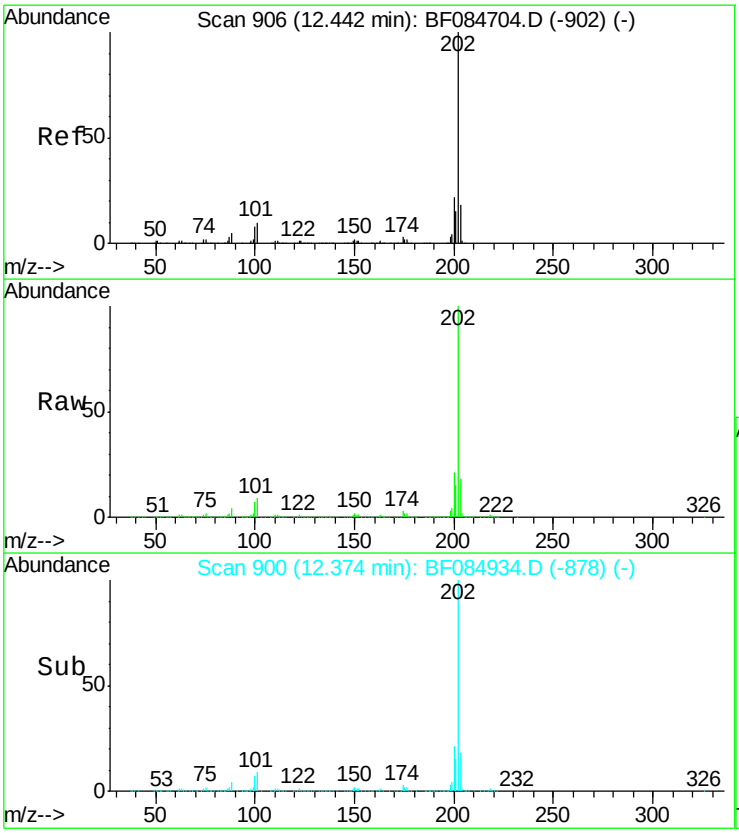
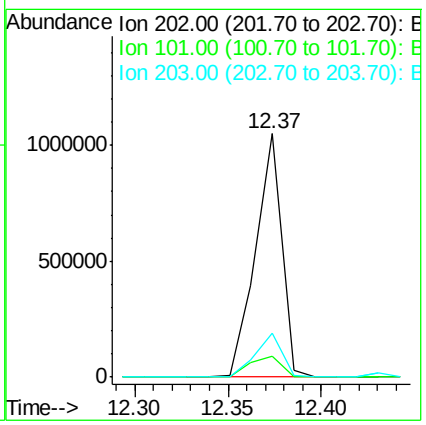
2/9/2016 12:56:54 PM

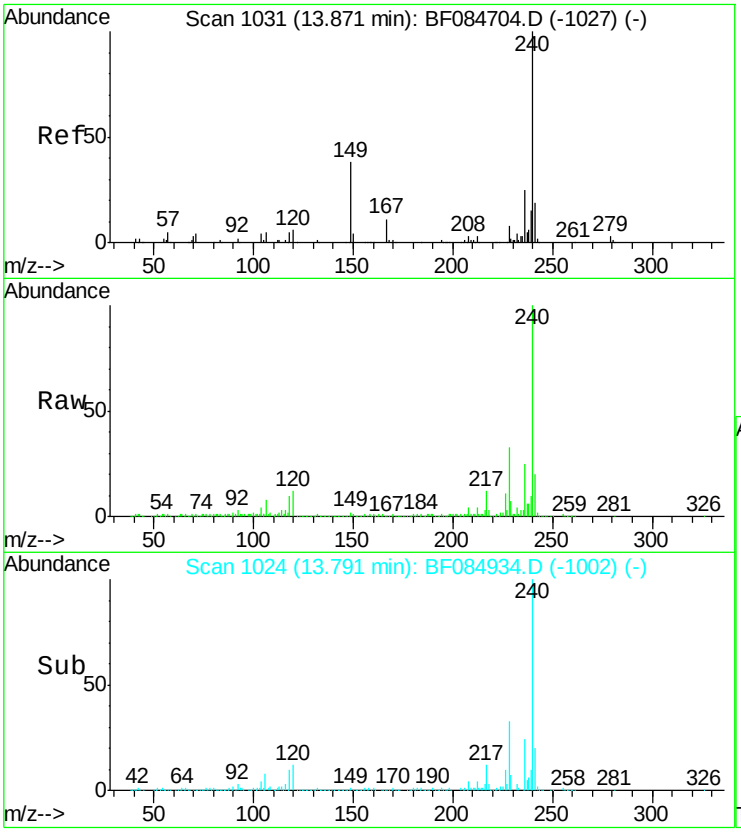


#74
Fluoranthene
Concen: 34.81 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:202 Resp: 1014163

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	32.8
203	17.9	0.0	37.9

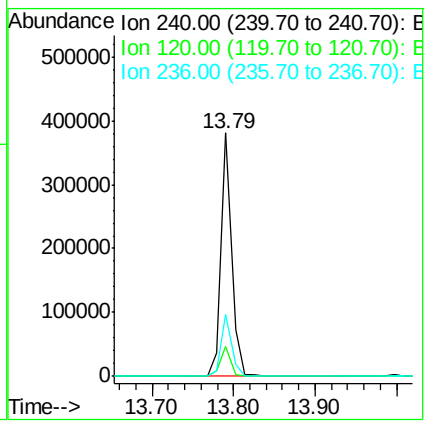




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:240 Resp: 343853

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.5	14.3
236	25.1	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

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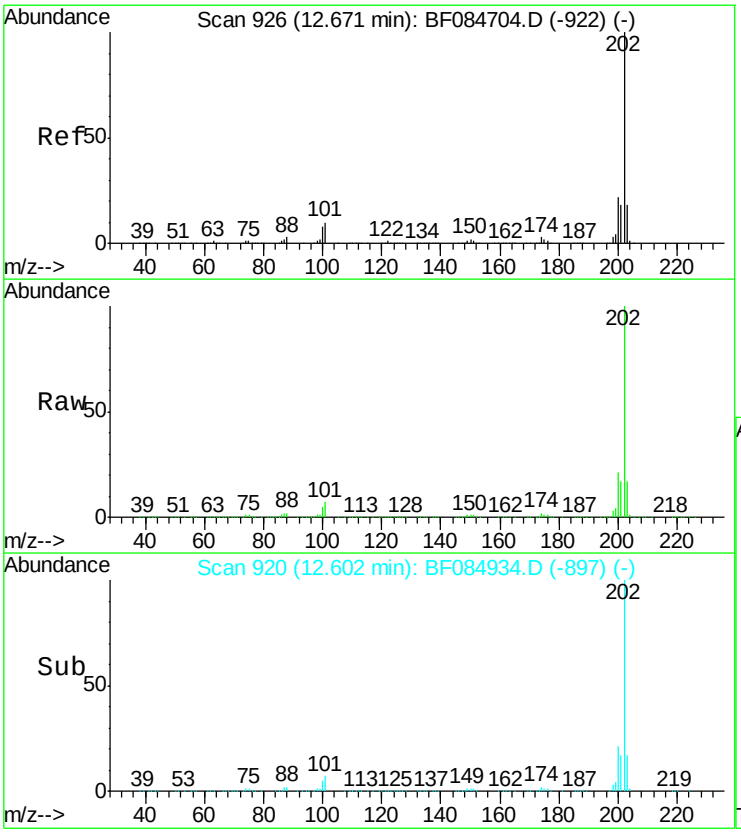
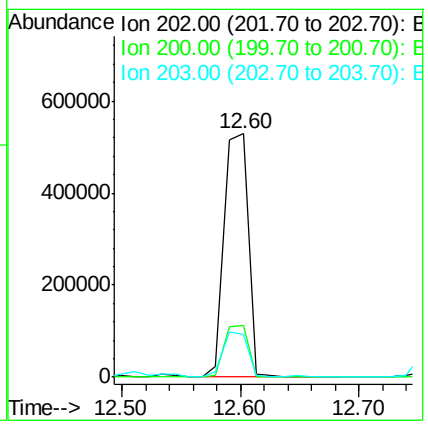
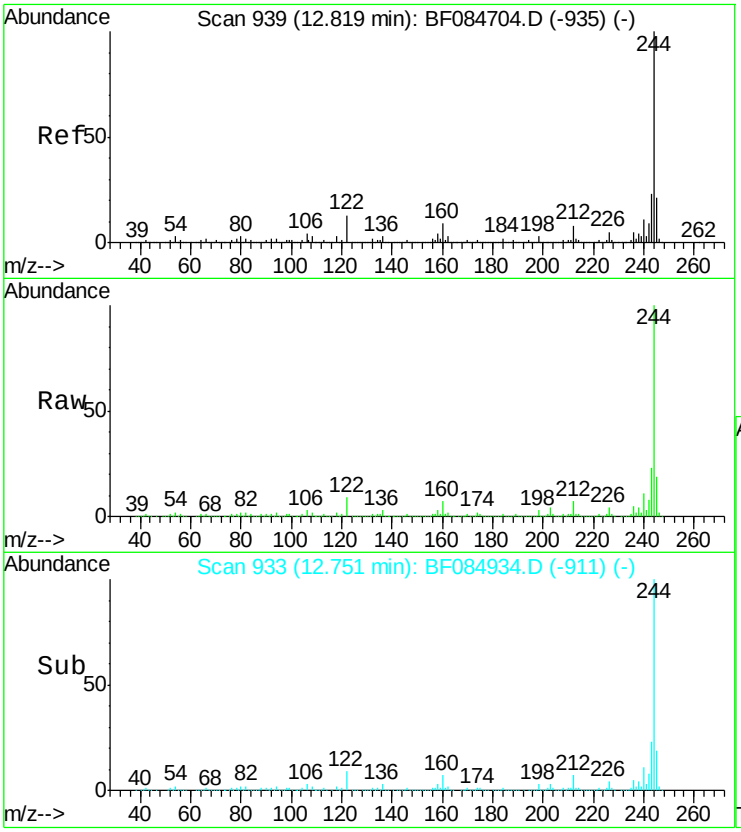


#77
Pyrene
Concen: 28.05 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:202 Resp: 738455

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.3	14.3	21.5

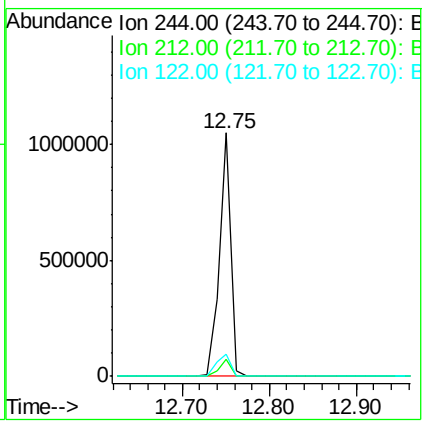




#78
Terphenyl-d14
Concen: 64.24 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:244 Resp: 974758

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.3	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

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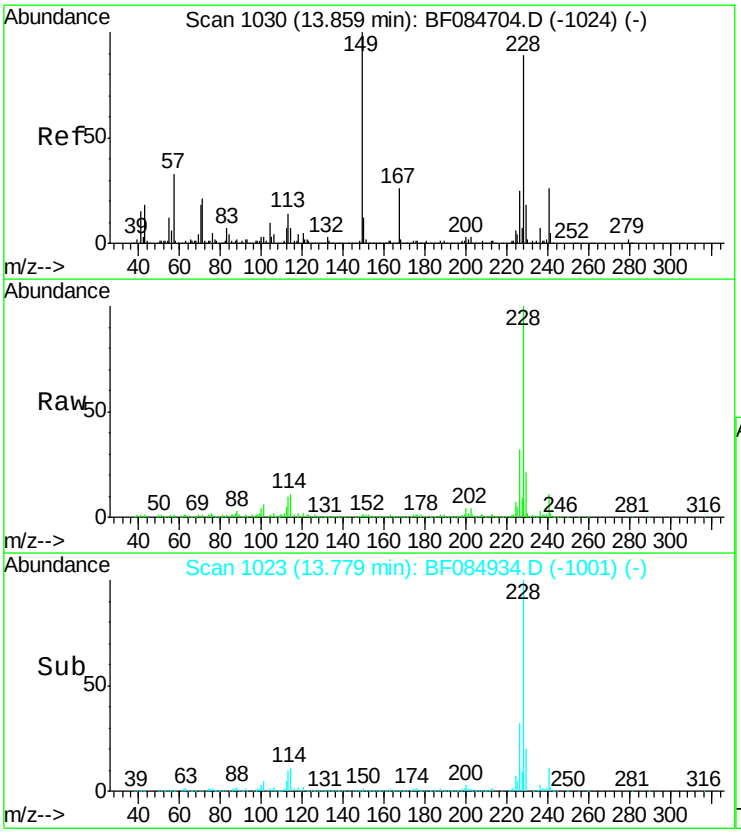
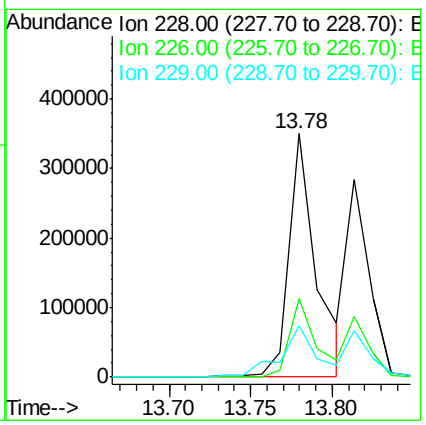
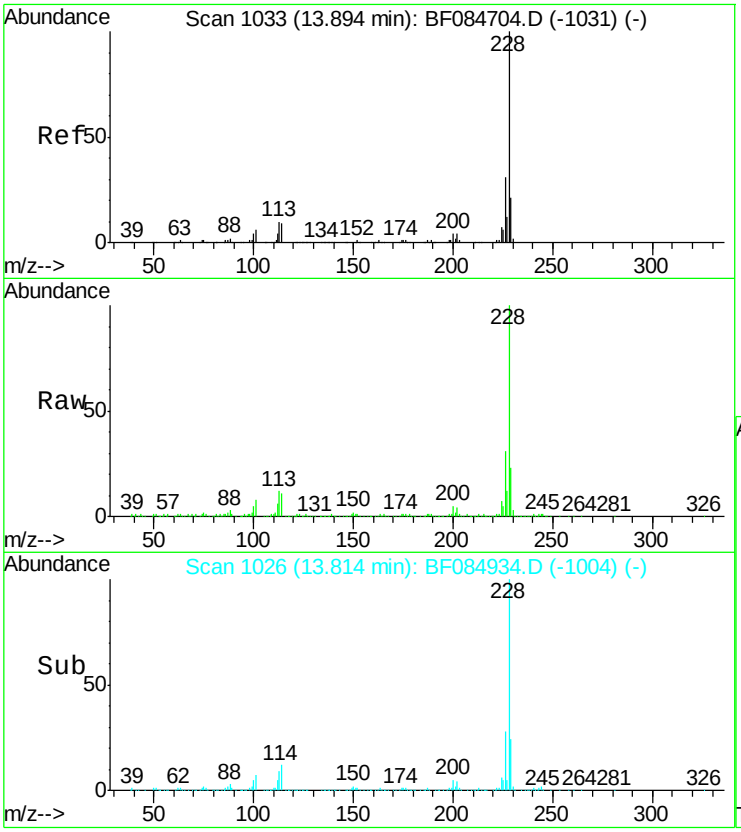


#80
Benzo(a)anthracene
Concen: 19.14 ng
RT: 13.78 min Scan# 1023
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:228 Resp: 408579

Ion	Ratio	Lower	Upper
228	100		
226	32.2	21.8	32.6
229	21.1	15.8	23.8

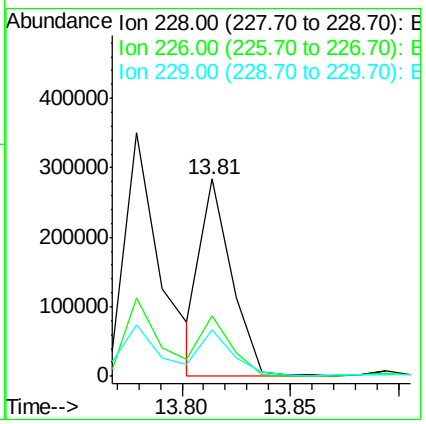




#82
Chrysene
Concen: 13.43 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:228 Resp: 277866

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	23.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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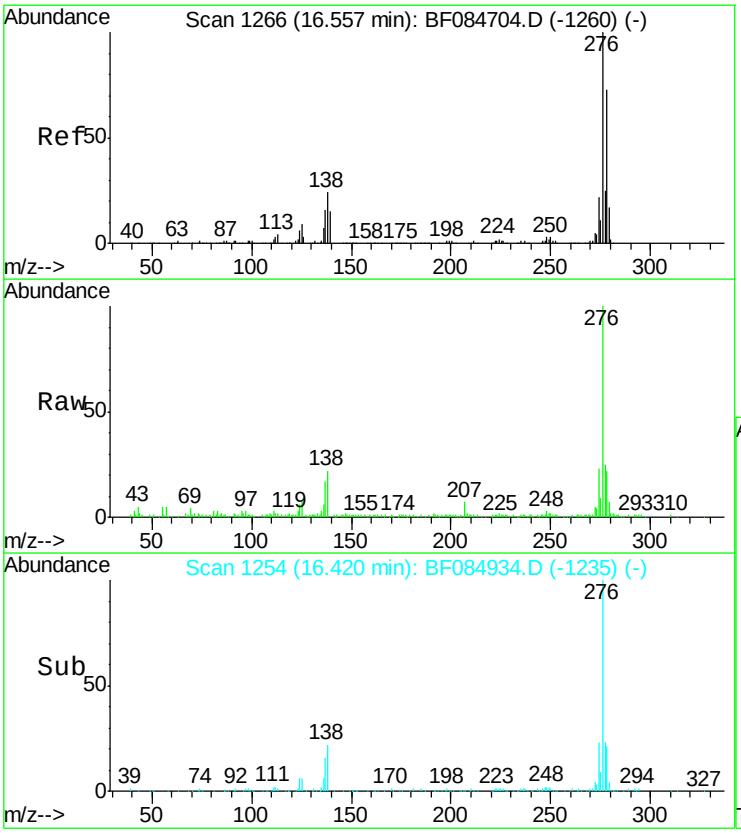
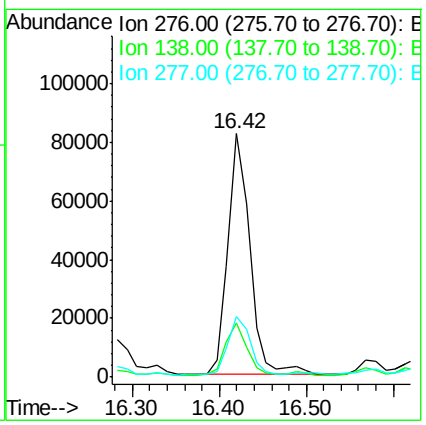
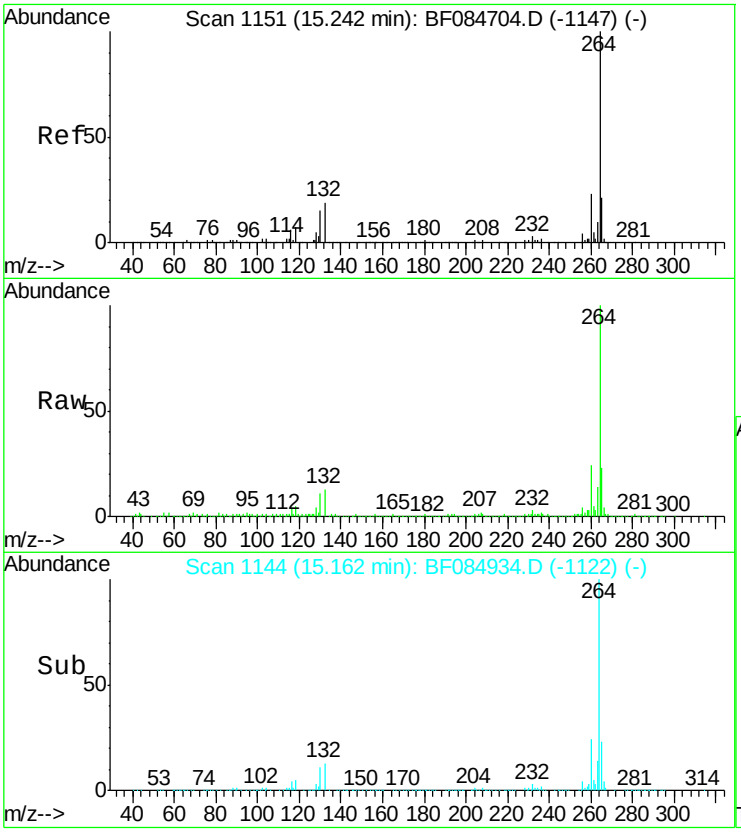


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.94 ng
RT: 16.42 min Scan# 1254
Delta R.T. -0.08 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:276 Resp: 145658

Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.6	30.8
277	24.4	20.1	30.1

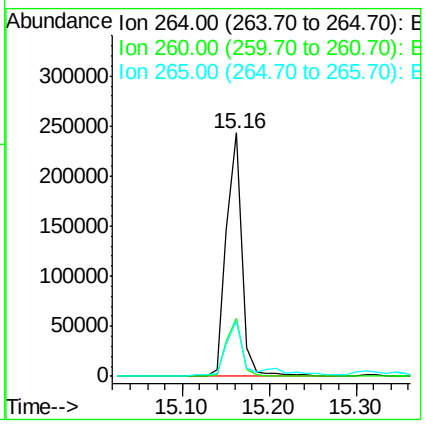




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1144
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:264 Resp: 304571

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.8	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

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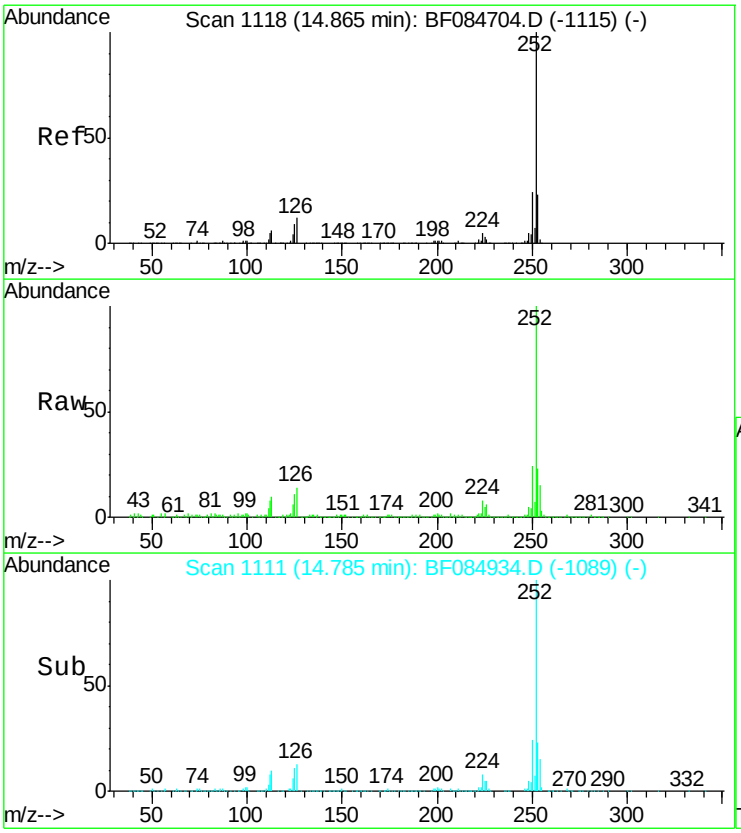
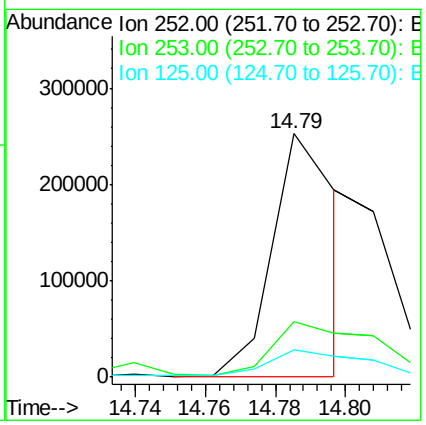
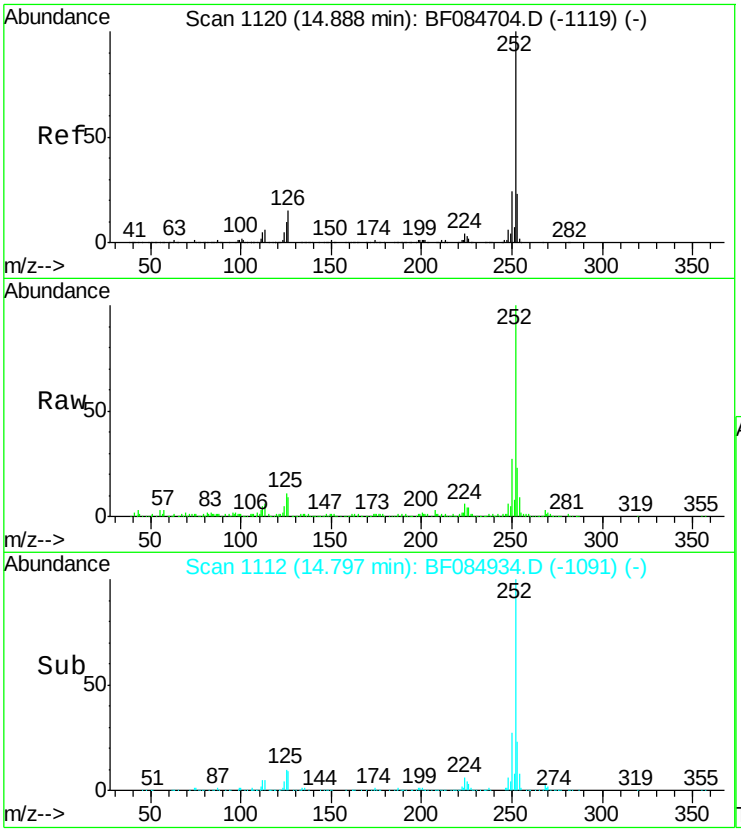


#87
Benzo(b)fluoranthene
Concen: 16.38 ng m
RT: 14.79 min Scan# 1111
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:252 Resp: 335234

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.2	6.5	9.7#

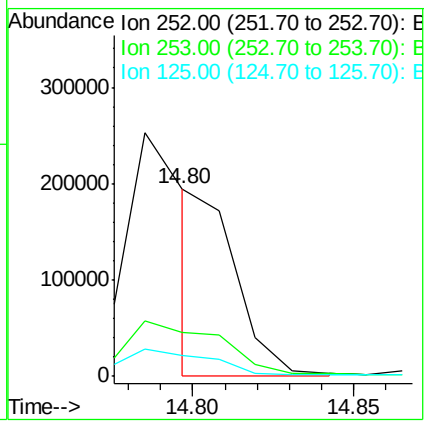




#88
Benzo(k)fluoranthene
Concen: 8.97 ng m
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:252 Resp: 151800

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	11.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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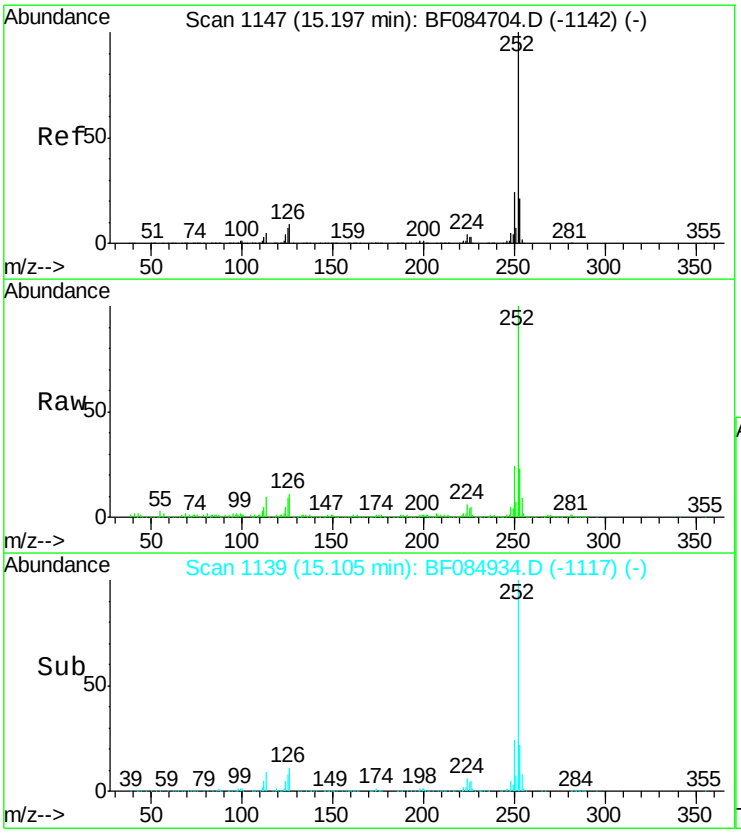
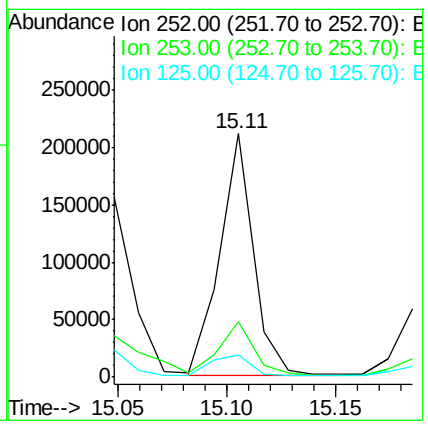
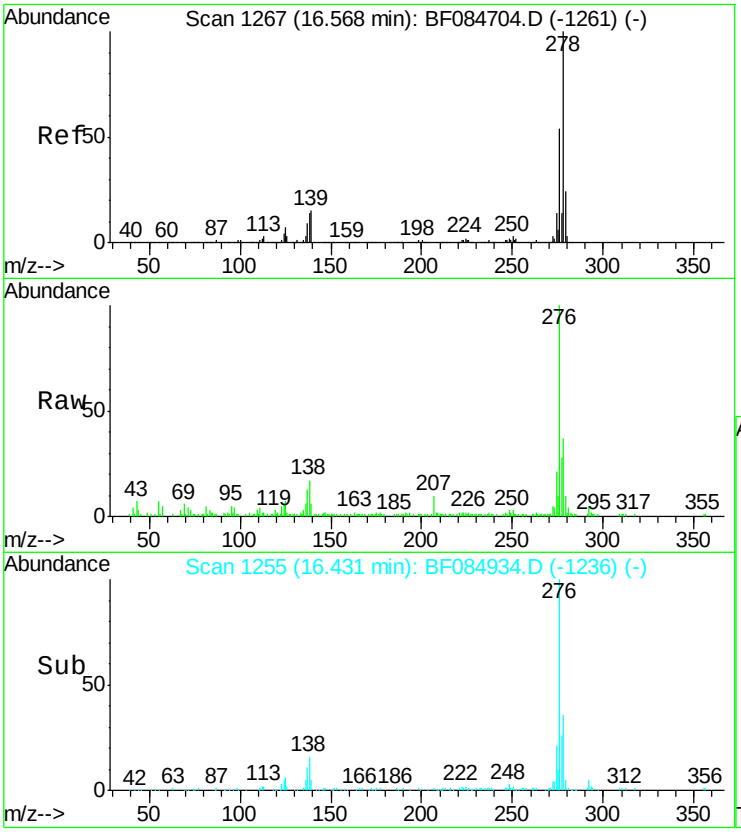


#89
Benzo(a)pyrene
Concen: 12.96 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:252 Resp: 225903

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	9.1	7.0	10.4

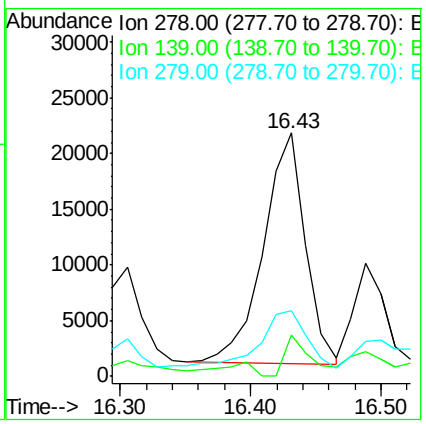




#90
Dibenzo(a,h)anthracene
Concen: 3.15 ng
RT: 16.43 min Scan# 1255
Delta R.T. -0.08 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:278 Resp: 46295

Ion	Ratio	Lower	Upper
278	100		
139	17.2	15.0	22.4
279	26.7	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SUP-B008(0-2)

Manual Integrations APPROVED
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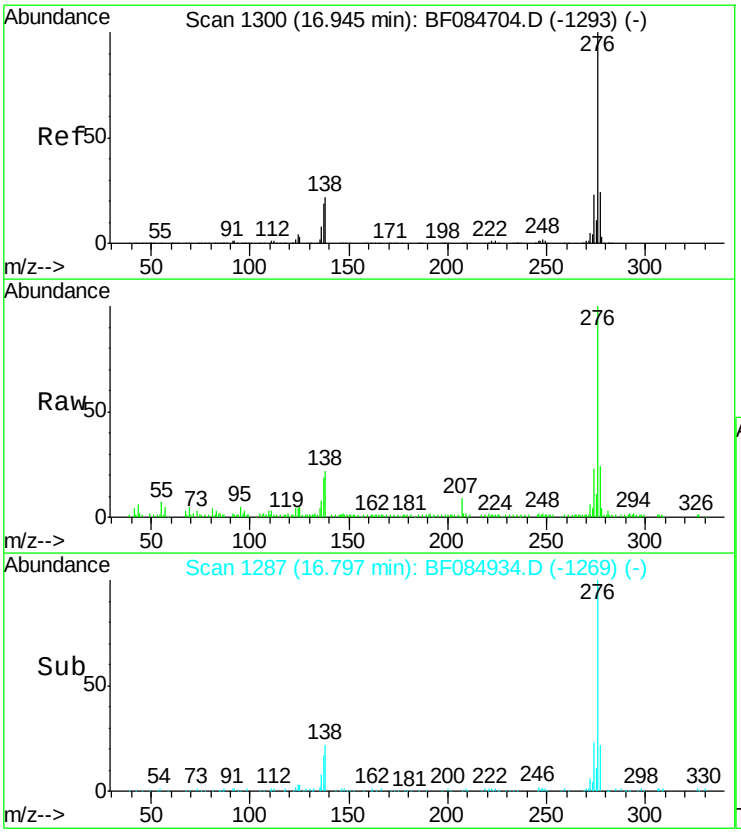

#91
Benzo(g,h,i)perylene
Concen: 8.30 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.09 min
Lab File: BF084934.D
Acq: 8 Feb 2016 17:51

Tgt Ion:276 Resp: 122710

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	22.4	17.8	26.6