Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080266.D
Acq On : 1 Jul 2015 9:19
Operator : TP/IZ
Sample : G2831-07 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

Manual Integrations APPROVED
apatel
7/1/2015 4:18:29 PM

Quant Time: Jul 01 14:02:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	33291	20.00	ng		-0.05
21) Naphthalene-d8	8.57	136	134251	20.00	ng		-0.05
38) Acenaphthene-d10	10.34	164	69852	20.00	ng		-0.05
63) Phenanthrene-d10	11.86	188	141077	20.00	ng		-0.05
75) Chrysene-d12	15.02	240	151251	20.00	ng		0.02
86) Perylene-d12	17.01	264	163905	20.00	ng		0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.90	112	62103	33.02	ng		-0.03
7) Phenol-d6	6.89	99	81520	32.57	ng		-0.03
23) Nitrobenzene-d5	7.84	82	48543	21.05	ng		-0.03
41) 2,4,6-Tribromophenol	11.14	330	19832	29.03	ng		-0.03
44) 2-Fluorobiphenyl	9.65	172	97396	19.88	ng		-0.05
78) Terphenyl-d14	13.65	244	121010	18.69	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.60	128	35743	5.09	ng		99
37) 2-Methylnaphthalene	9.29	142	11123	2.45	ng	#	93
48) Acenaphthylene	10.21	152	16304	2.12	ng		97
49) Dimethylphthalate	10.04	163	11242	2.14	ng	#	96
51) Acenaphthene	10.38	154	36584	7.77	ng		89
54) Dibenzofuran	10.55	168	29774	4.46	ng	#	89
57) Fluorene	10.90	166	37257	7.03	ng		92
70) Phenanthrene	11.90	178	738060	86.41	ng		96
71) Anthracene	11.94	178	156983	19.09	ng		99
72) Carbazole	12.10	167	61985	7.89	ng		96
74) Fluoranthene	13.21	202	896074	98.51	ng		95
77) Pyrene	13.49	202	933650	100.26	ng		95
80) Benzo(a)anthracene	15.00	228	503812	54.68	ng		94
82) Chrysene	15.05	228	501397	59.01	ng		94
85) Indeno(1,2,3-cd)pyrene	18.86	276	262890	24.54	ng	#	85
87) Benzo(b)fluoranthene	16.47	252	541930m	54.61	ng		
88) Benzo(k)fluoranthene	16.48	252	224967m	22.26	ng		
89) Benzo(a)pyrene	16.93	252	415826	44.12	ng	#	86
90) Dibenzo(a,h)anthracene	18.87	278	61063	6.33	ng	#	81
91) Benzo(g,h,i)perylene	19.42	276	259109	26.60	ng	#	77

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

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ClientSampleId :
SP-4(0-2)

Manual Integrations APPROVED
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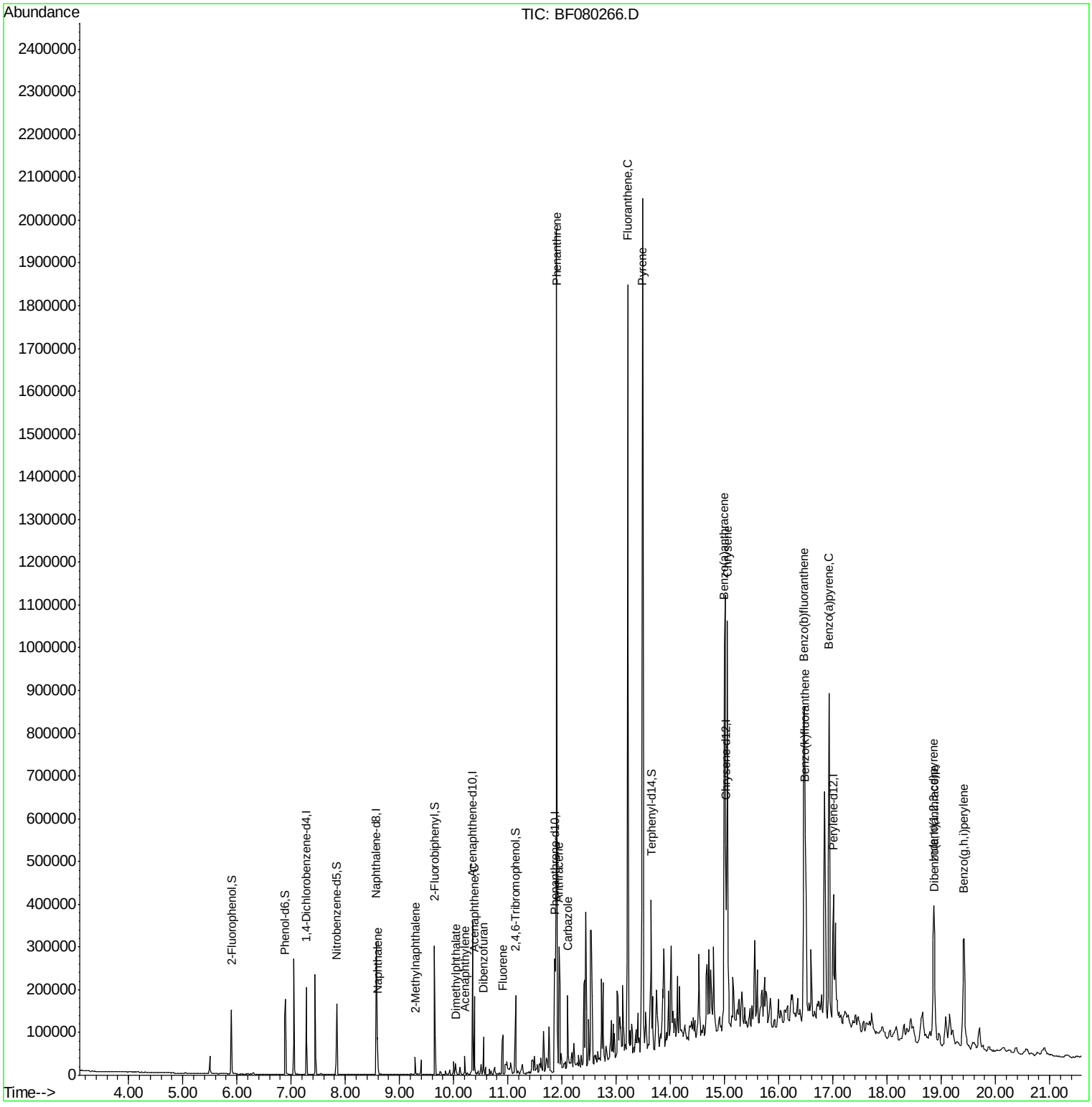
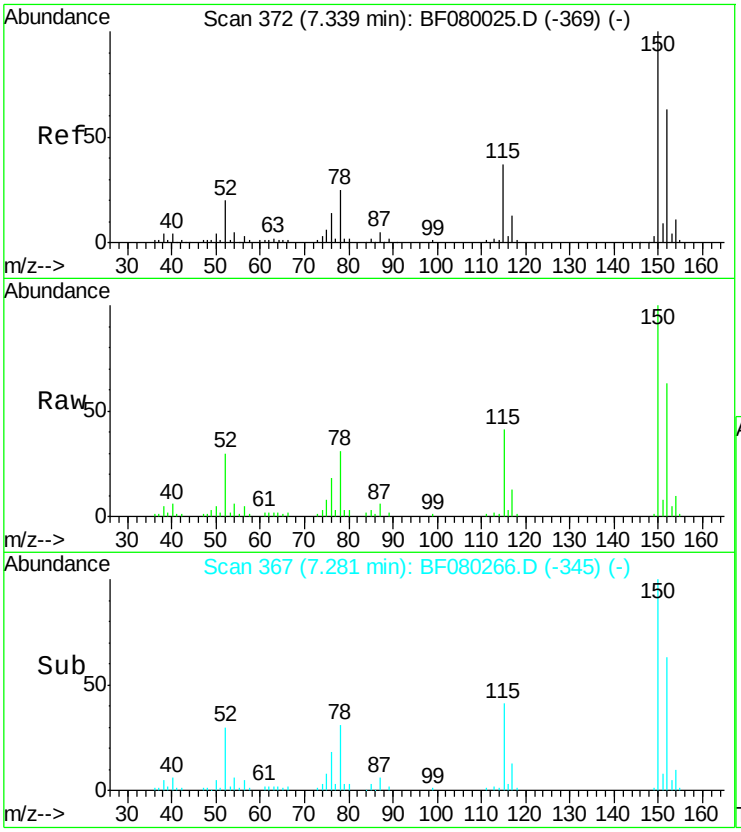
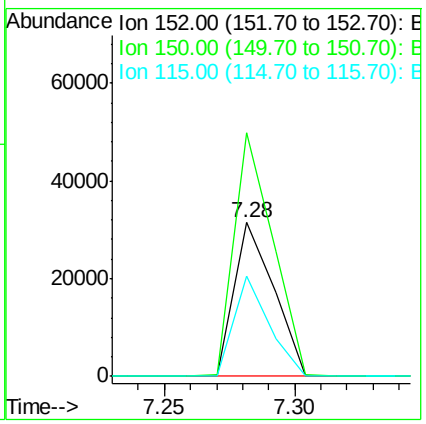




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 367
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:152 Resp: 33291

Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.7	187.1
115	65.7	39.0	58.4#



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

Manual Integrations APPROVED
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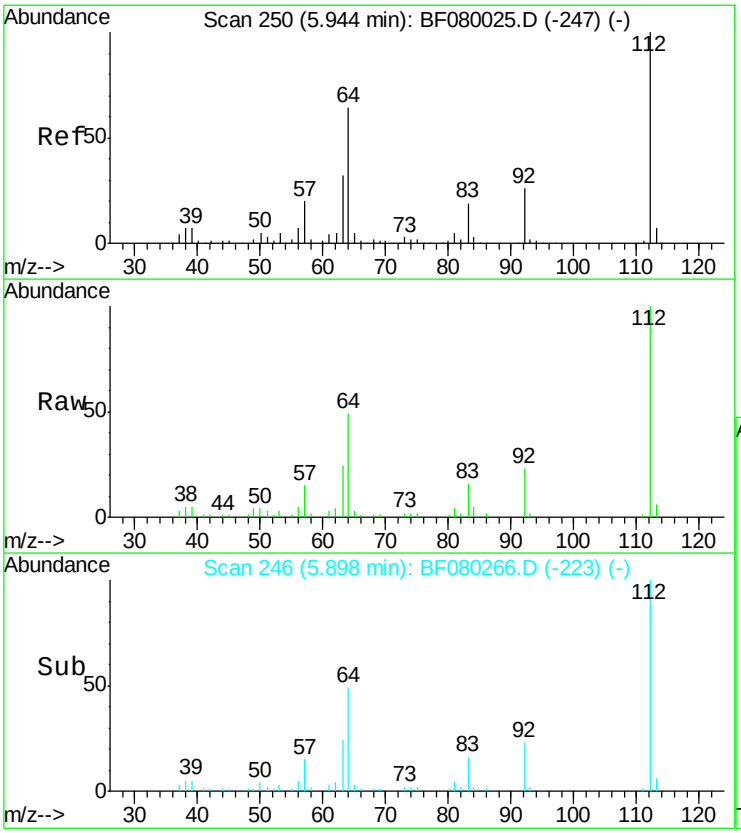
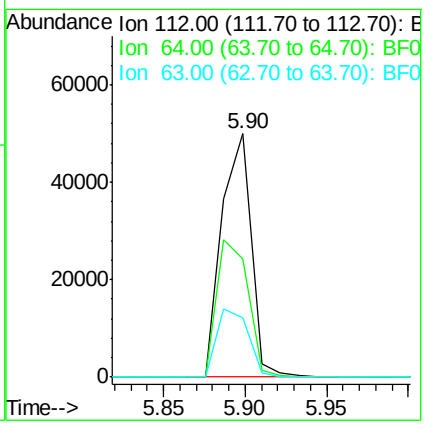
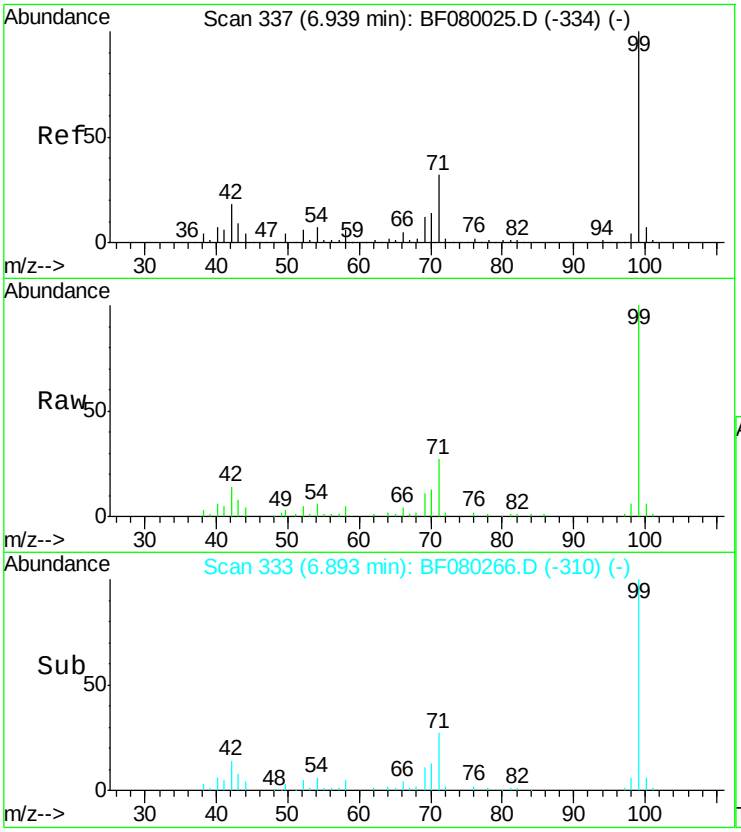


#5
2-Fluorophenol
Concen: 33.02 ng
RT: 5.90 min Scan# 246
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:112 Resp: 62103

Ion	Ratio	Lower	Upper
112	100		
64	48.6	39.7	59.5
63	24.3	17.4	26.0

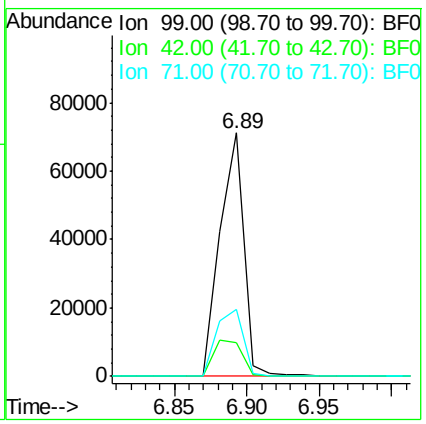




#7
Phenol-d6
Concen: 32.57 ng
RT: 6.89 min Scan# 333
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion: 99 Resp: 81520

Ion	Ratio	Lower	Upper
99	100		
42	14.0	13.7	20.5
71	27.3	14.2	21.2#



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

Manual Integrations APPROVED
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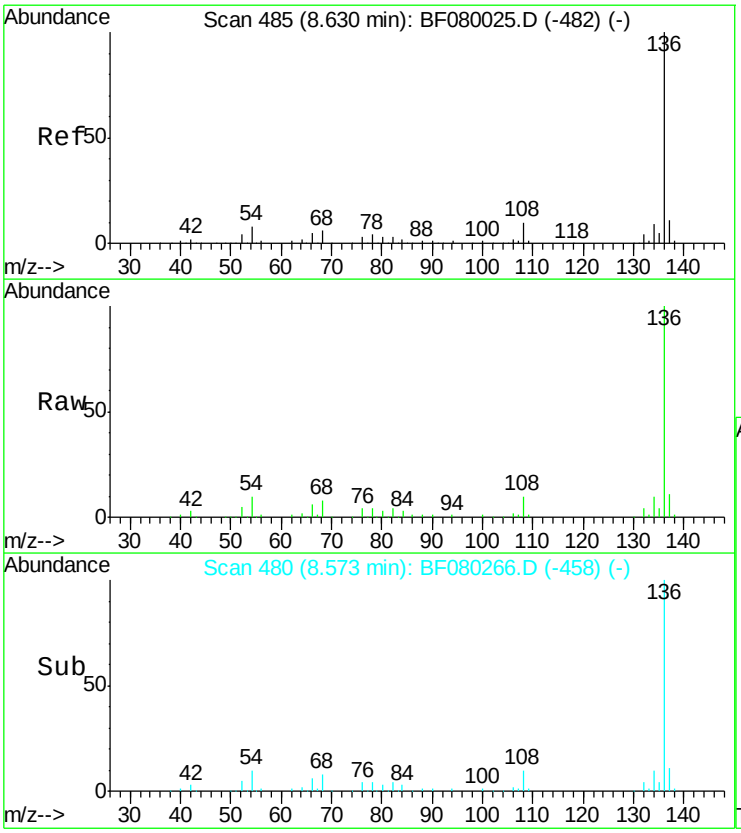
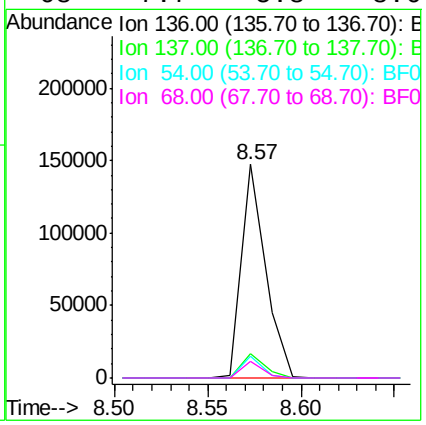
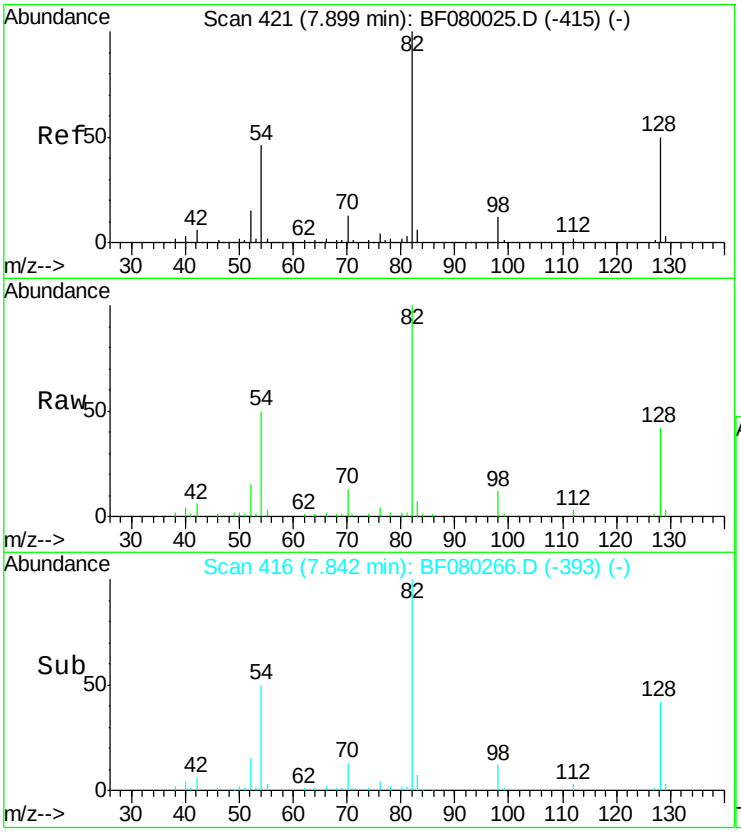


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:136 Resp: 134251

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	10.4	8.2	12.2
68	7.7	5.8	8.6

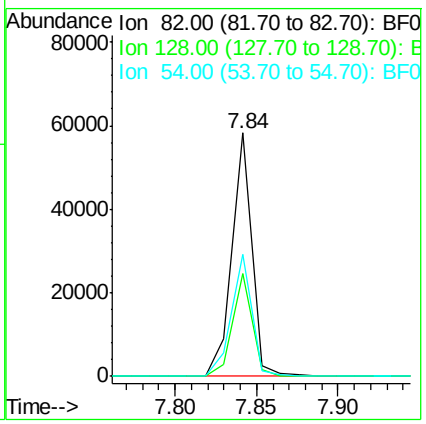




#23
Nitrobenzene-d5
Concen: 21.05 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion: 82 Resp: 48543

Ion	Ratio	Lower	Upper
82	100		
128	42.1	51.0	76.6#
54	50.3	47.5	71.3



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

Manual Integrations APPROVED
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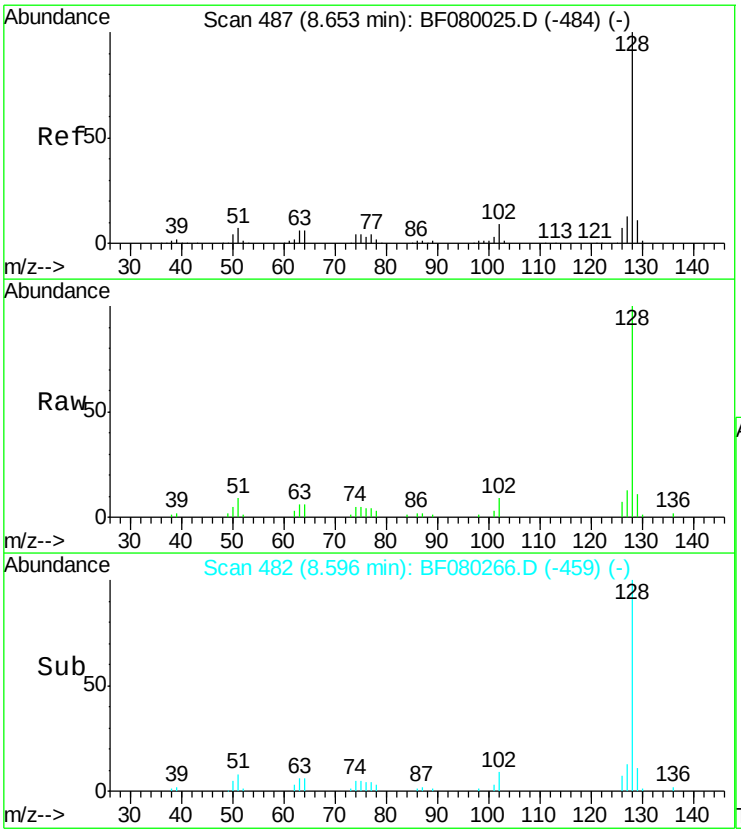
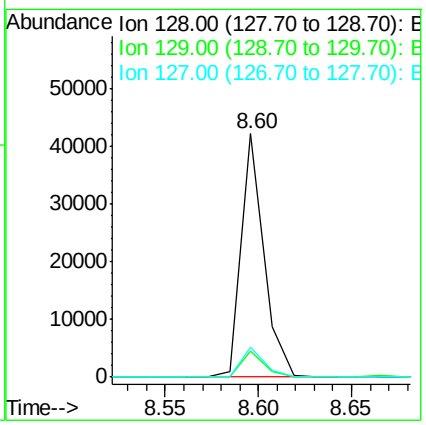
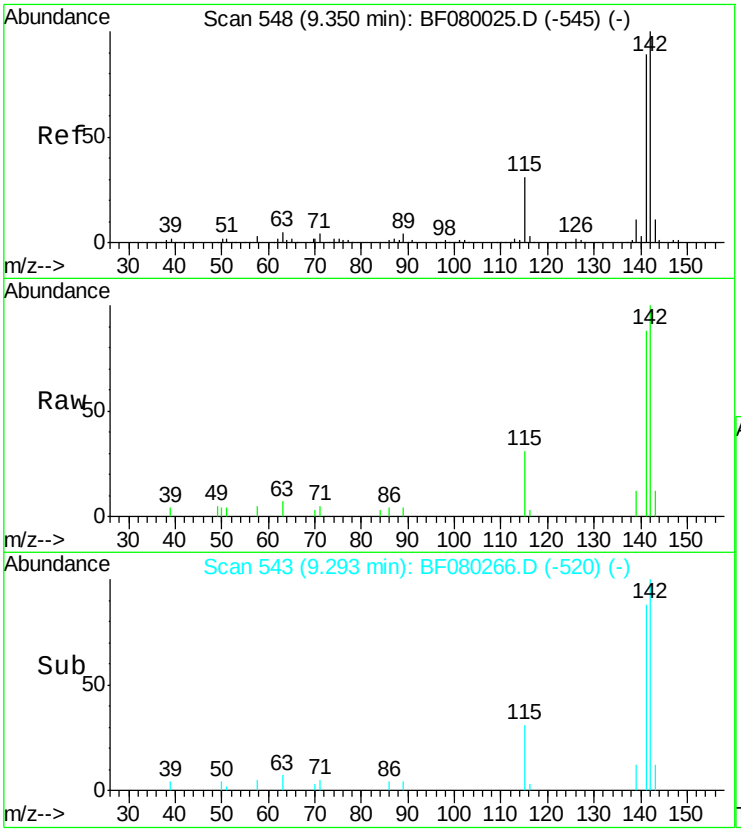


#31
Naphthalene
Concen: 5.09 ng
RT: 8.60 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:128 Resp: 35743

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	12.5	9.9	14.9

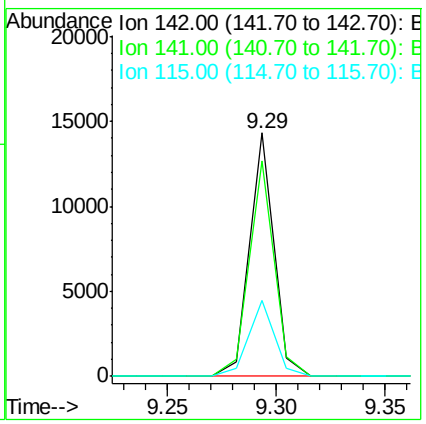




#37
2-Methylnaphthalene
Concen: 2.45 ng
RT: 9.29 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:142 Resp: 11123

Ion	Ratio	Lower	Upper
142	100		
141	88.3	67.5	101.3
115	31.0	18.2	27.2#



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

Manual Integrations APPROVED
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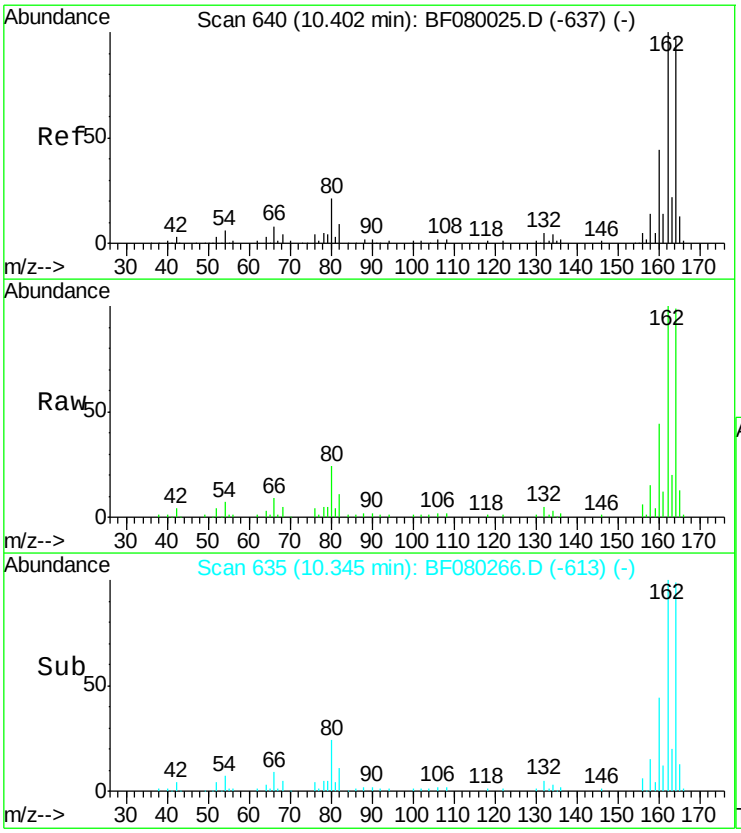
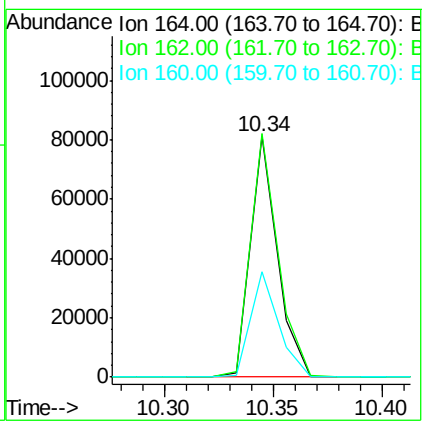
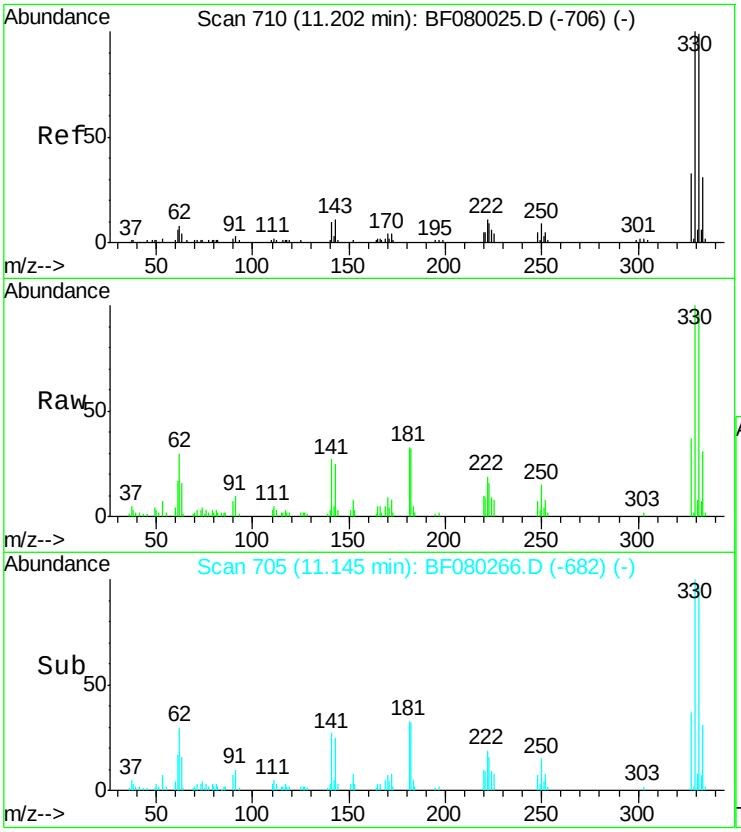


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.34 min Scan# 635
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:164 Resp: 69852

Ion	Ratio	Lower	Upper
164	100		
162	101.1	75.2	112.8
160	44.0	31.5	47.3

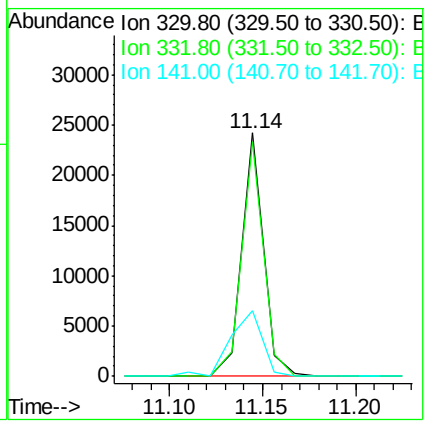




#41
2,4,6-Tribromophenol
Concen: 29.03 ng
RT: 11.14 min Scan# 705
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:330 Resp: 19832

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	40.0	29.7	44.5



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

Manual Integrations APPROVED
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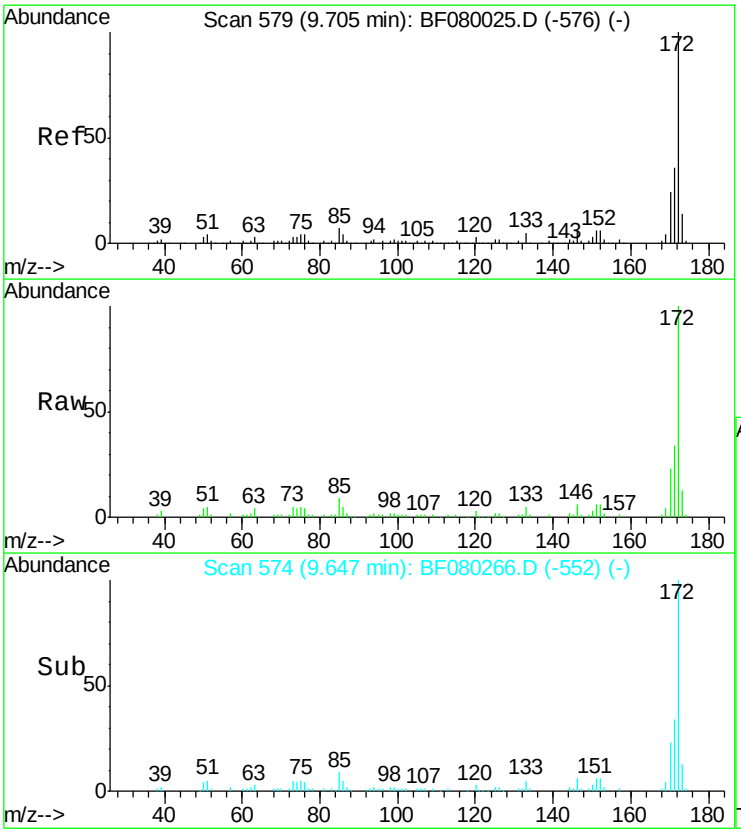
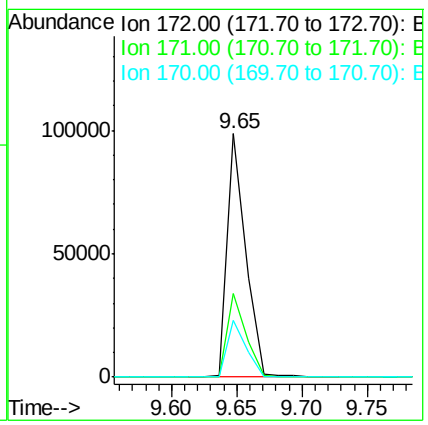
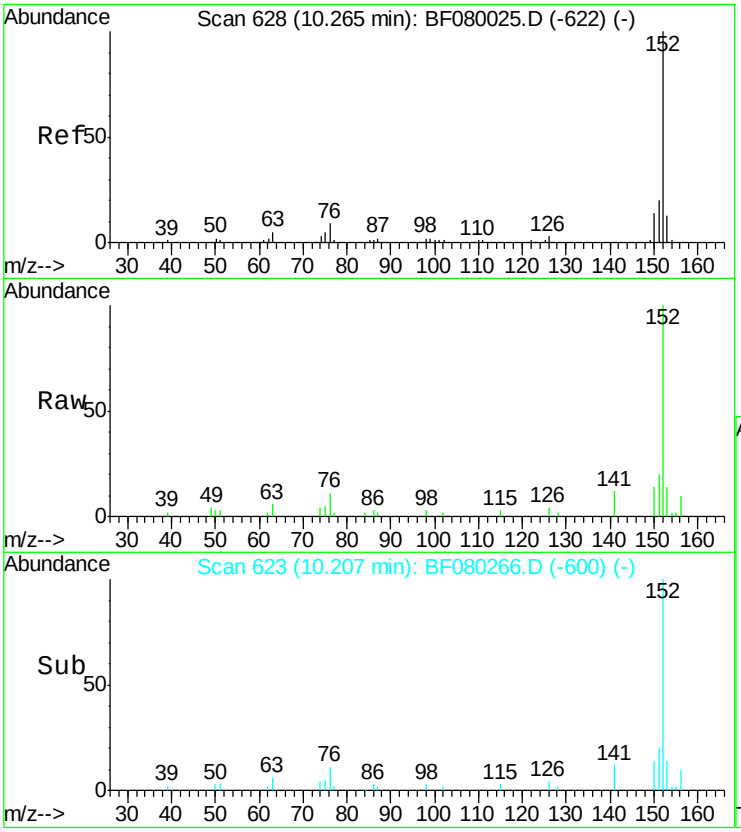


#44
2-Fluorobiphenyl
Concen: 19.88 ng
RT: 9.65 min Scan# 574
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:172 Resp: 97396

Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.1	39.1
170	23.3	17.4	26.2

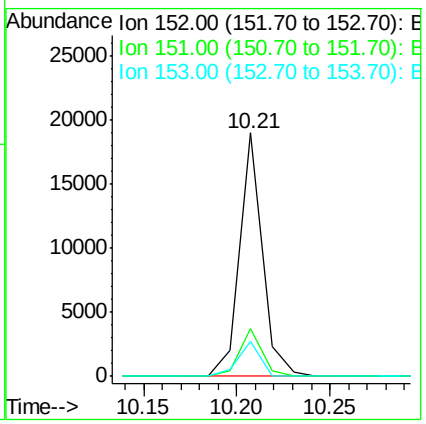




#48
Acenaphthylene
Concen: 2.12 ng
RT: 10.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:152 Resp: 16304

Ion	Ratio	Lower	Upper
152	100		
151	19.7	14.6	22.0
153	14.4	10.3	15.5



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

Manual Integrations APPROVED
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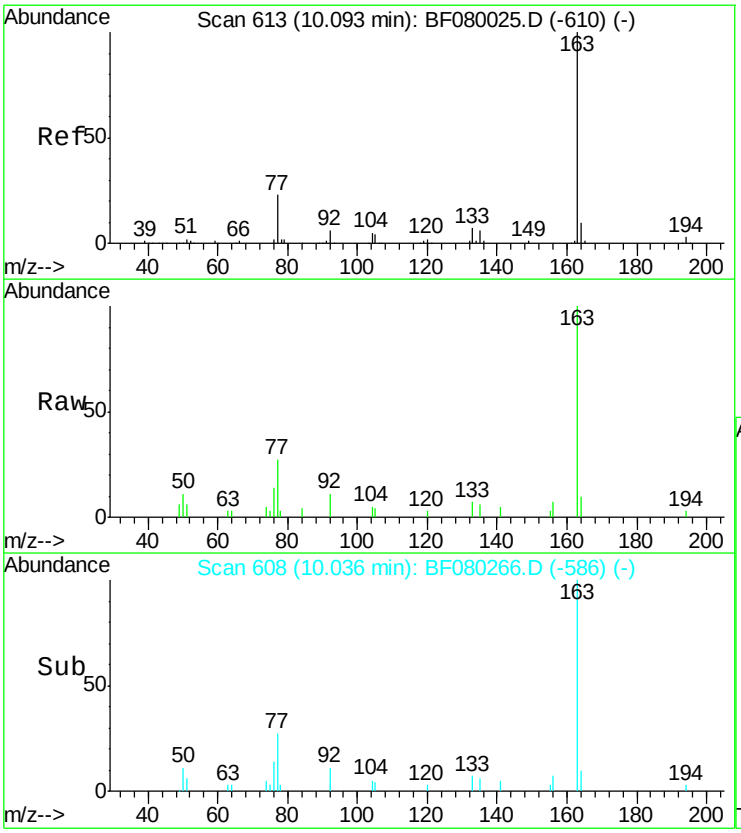
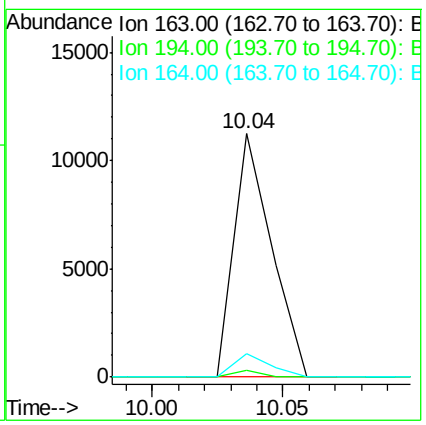
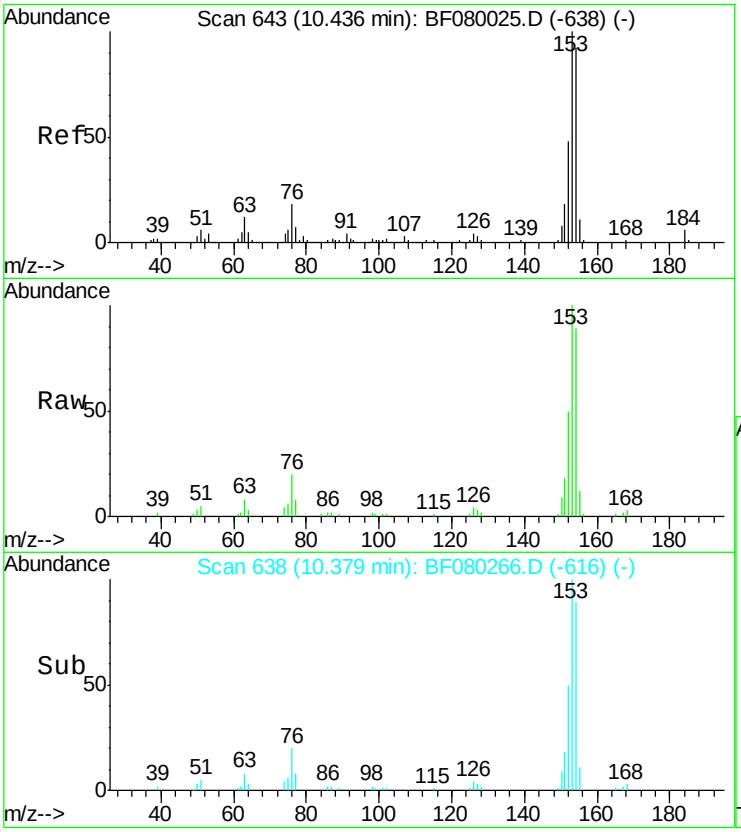


#49
Dimethylphthalate
Concen: 2.14 ng
RT: 10.04 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:163 Resp: 11242

Ion	Ratio	Lower	Upper
163	100		
194	2.9	4.4	6.6#
164	9.6	8.3	12.5

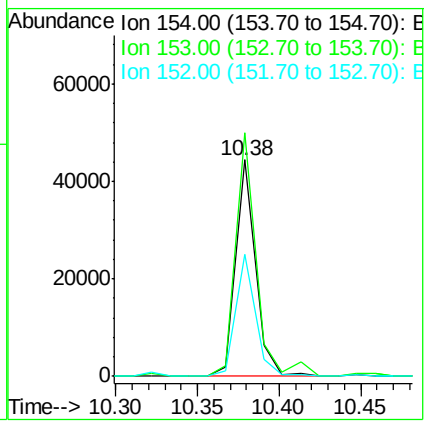




#51
Acenaphthene
Concen: 7.77 ng
RT: 10.38 min Scan# 638
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:154 Resp: 36584

Ion	Ratio	Lower	Upper
154	100		
153	112.5	82.1	123.1
152	56.6	37.9	56.9



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

Manual Integrations APPROVED
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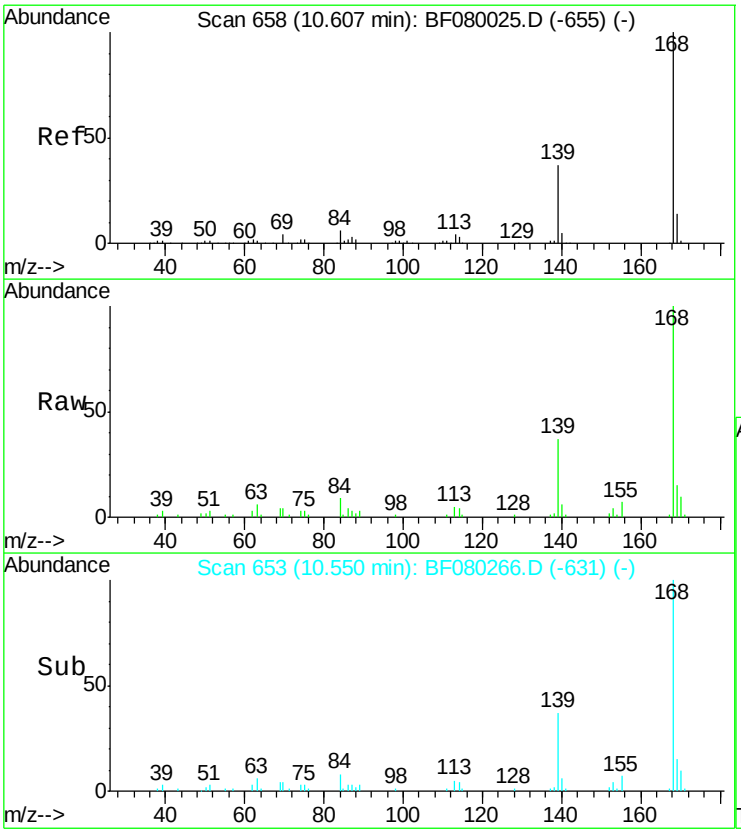
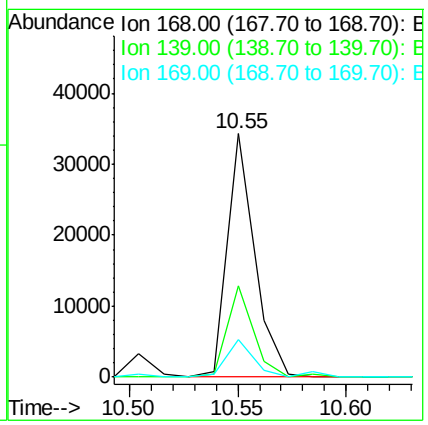
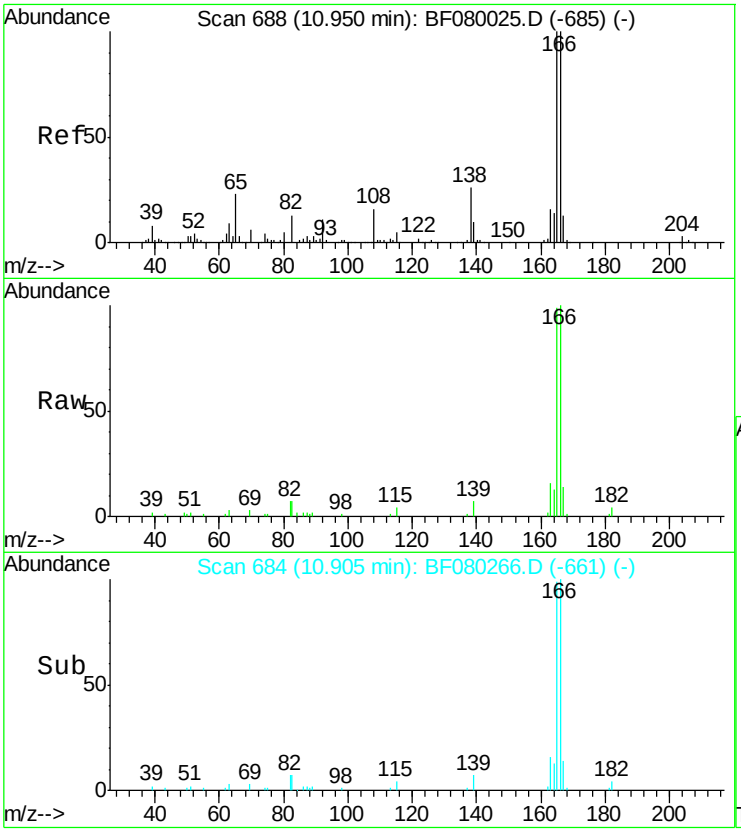


#54
Dibenzofuran
Concen: 4.46 ng
RT: 10.55 min Scan# 653
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:168 Resp: 29774

Ion	Ratio	Lower	Upper
168	100		
139	37.3	24.2	36.2#
169	15.5	10.6	15.8

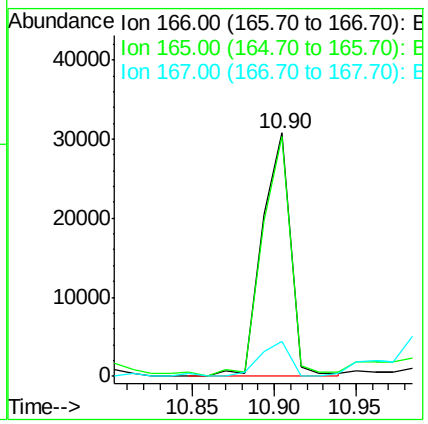




#57
Fluorene
Concen: 7.03 ng
RT: 10.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:166 Resp: 37257

Ion	Ratio	Lower	Upper
166	100		
165	98.7	72.6	109.0
167	14.3	10.6	16.0



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

Manual Integrations APPROVED
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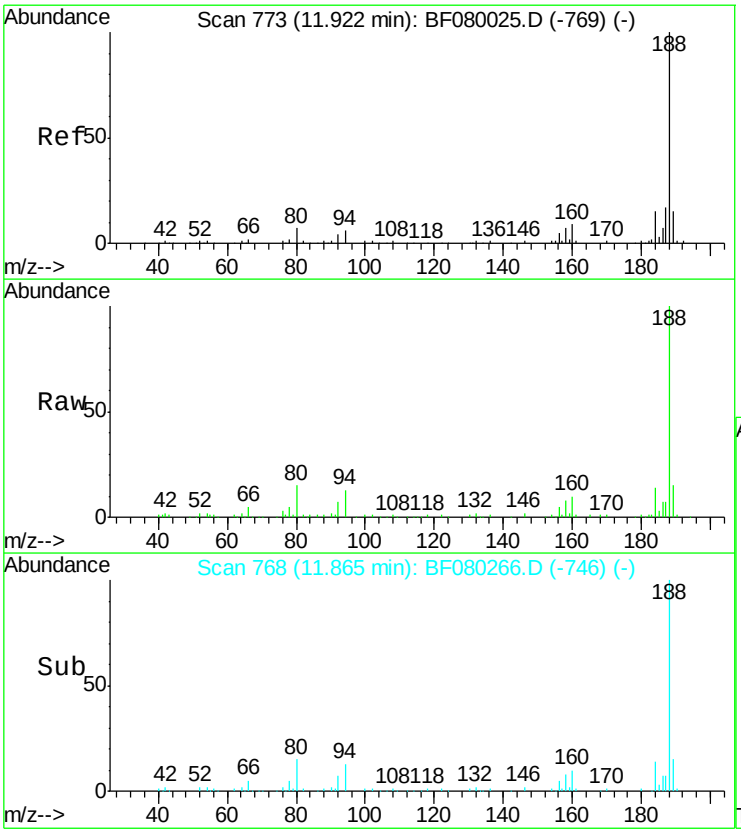
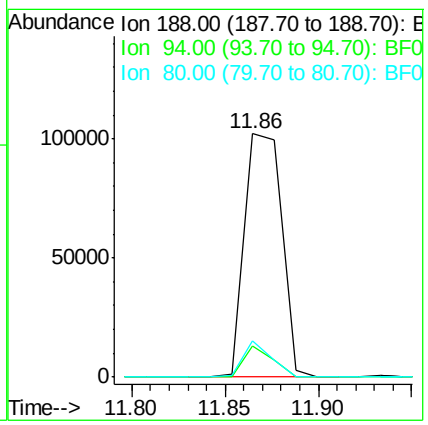
7/1/2015 4:18:29 PM

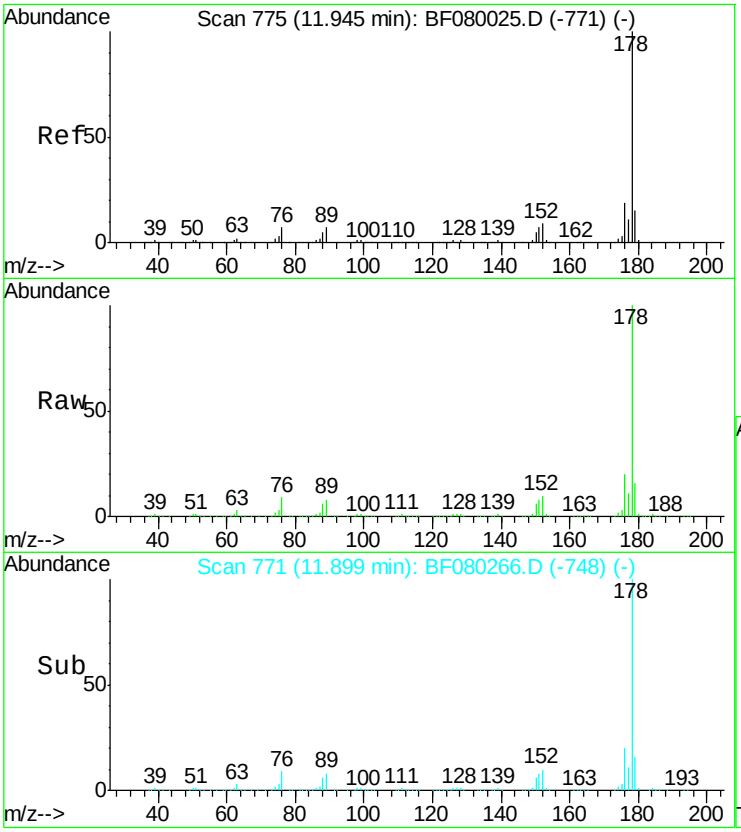


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:188 Resp: 141077

Ion	Ratio	Lower	Upper
188	100		
94	13.0	11.1	16.7
80	15.1	11.0	16.4

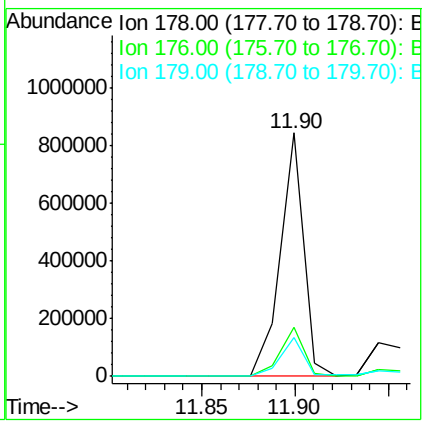




#70
Phenanthrene
Concen: 86.41 ng
RT: 11.90 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:178 Resp: 738060

Ion	Ratio	Lower	Upper
178	100		
176	20.2	13.8	20.8
179	16.0	12.2	18.2



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

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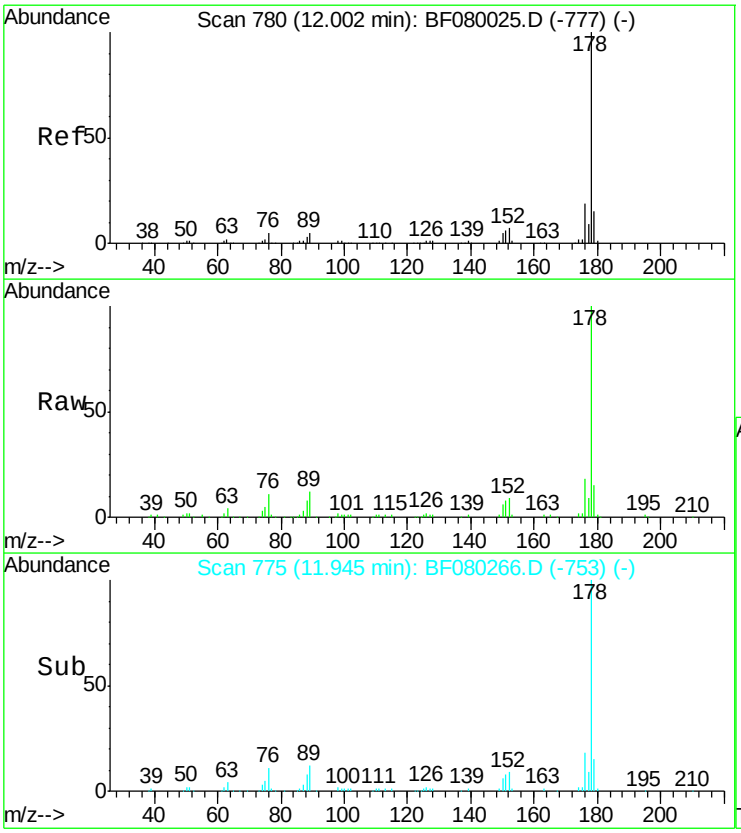
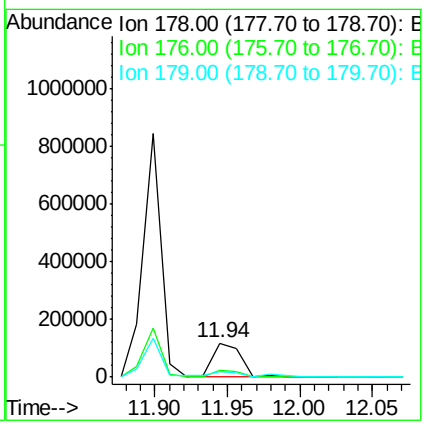
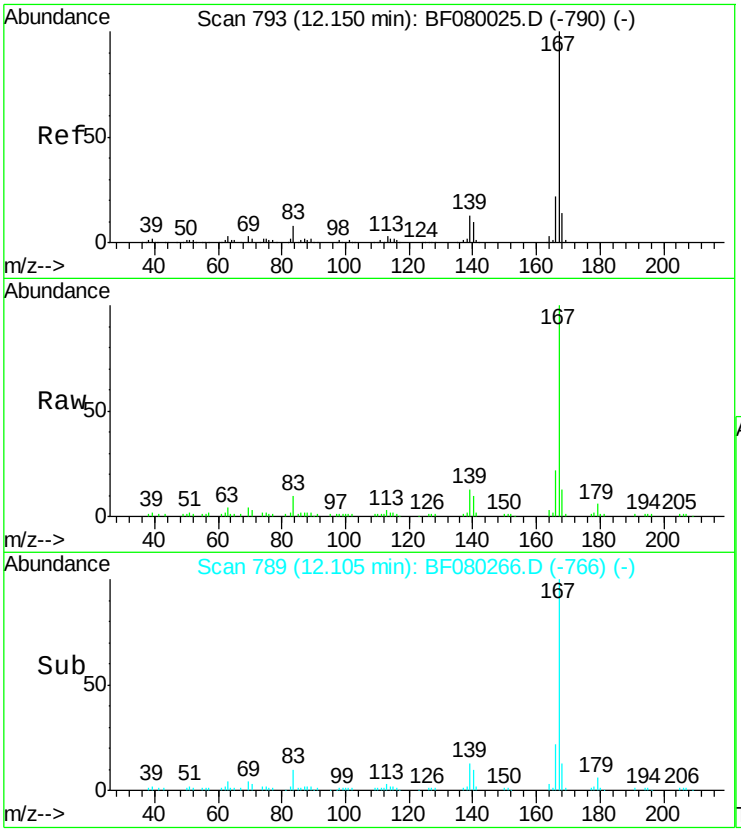


#71
Anthracene
Concen: 19.09 ng
RT: 11.94 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:178 Resp: 156983

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.1	21.1
179	15.4	12.2	18.2

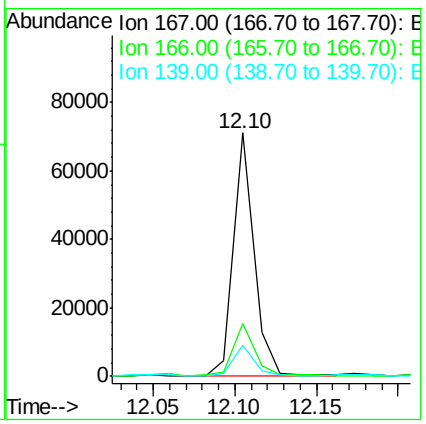




#72
Carbazole
Concen: 7.89 ng
RT: 12.10 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:167 Resp: 61985

Ion	Ratio	Lower	Upper
167	100		
166	21.6	15.7	23.5
139	12.8	9.5	14.3



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

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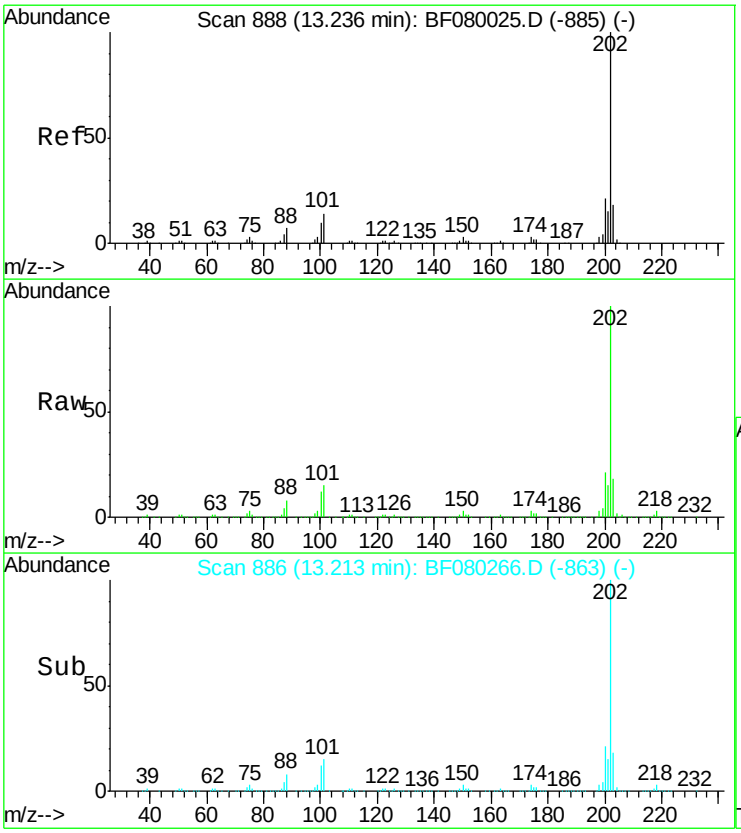
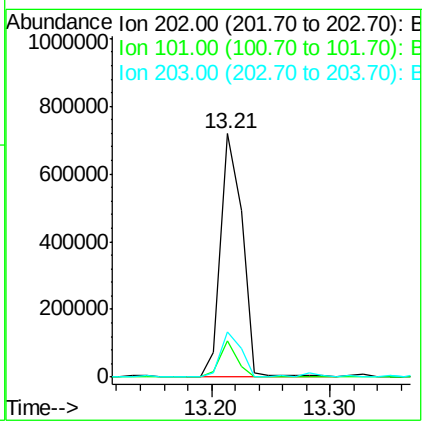
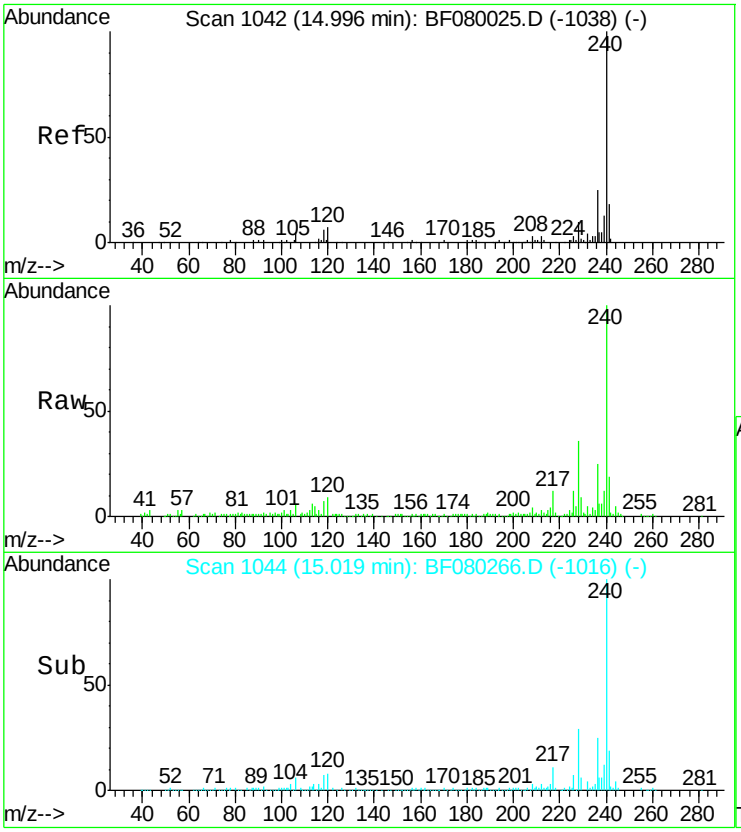


#74
Fluoranthene
Concen: 98.51 ng
RT: 13.21 min Scan# 886
Delta R.T. -0.03 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:202 Resp: 896074

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	38.3
203	18.4	0.0	37.3

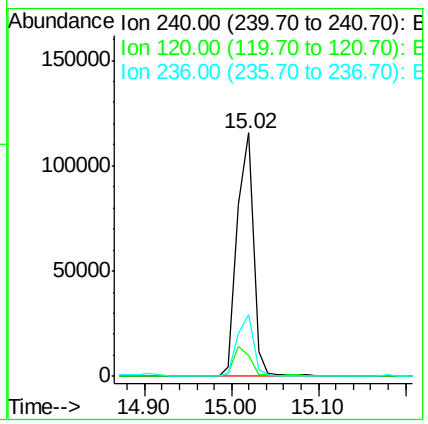




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1044
Delta R.T. 0.02 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:240 Resp: 151251

Ion	Ratio	Lower	Upper
240	100		
120	8.7	16.2	24.2#
236	25.2	18.4	27.6



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

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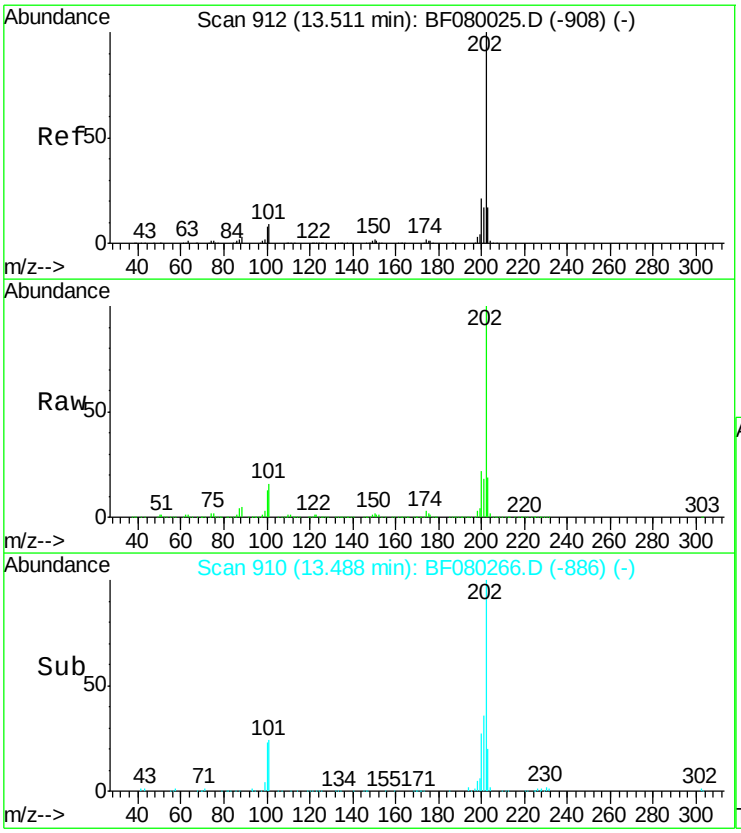
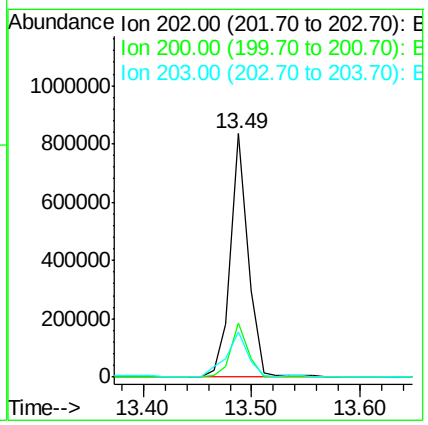
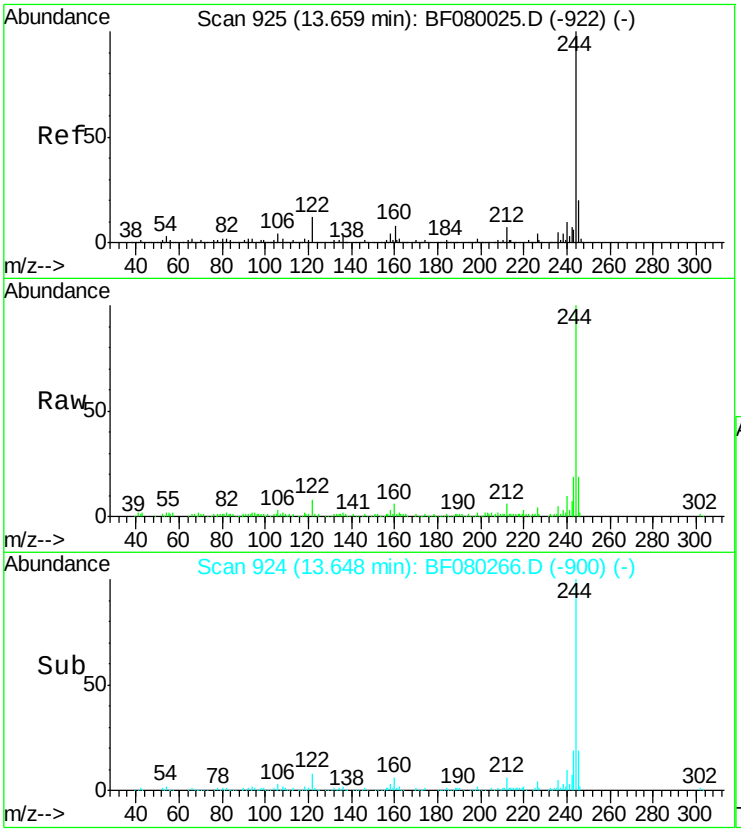


#77
Pyrene
Concen: 100.26 ng
RT: 13.49 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:202 Resp: 933650

Ion	Ratio	Lower	Upper
202	100		
200	22.1	15.0	22.4
203	18.6	14.1	21.1

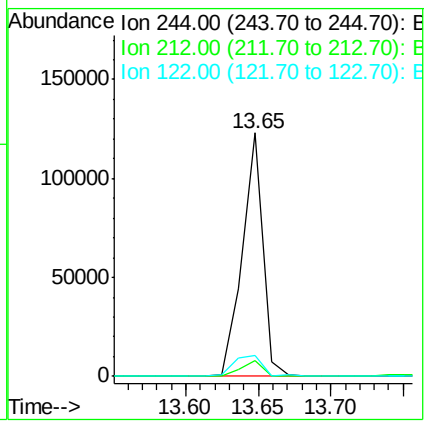




#78
Terphenyl-d14
Concen: 18.69 ng
RT: 13.65 min Scan# 924
Delta R.T. -0.02 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:244 Resp: 121010

Ion	Ratio	Lower	Upper
244	100		
212	6.2	4.3	6.5
122	8.3	17.4	26.2#



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

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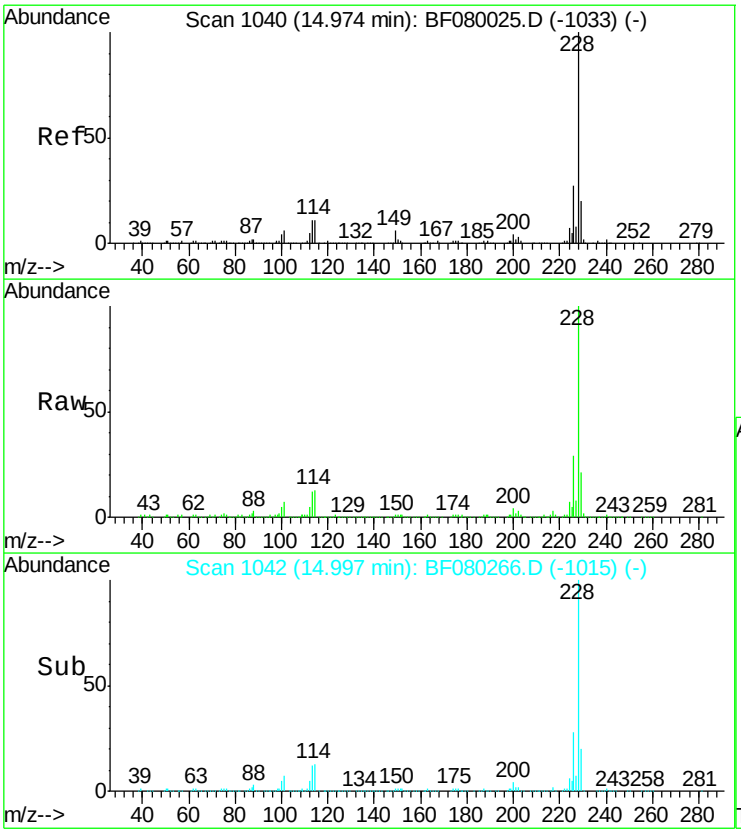
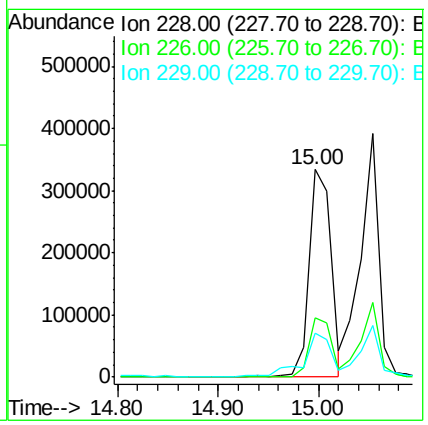
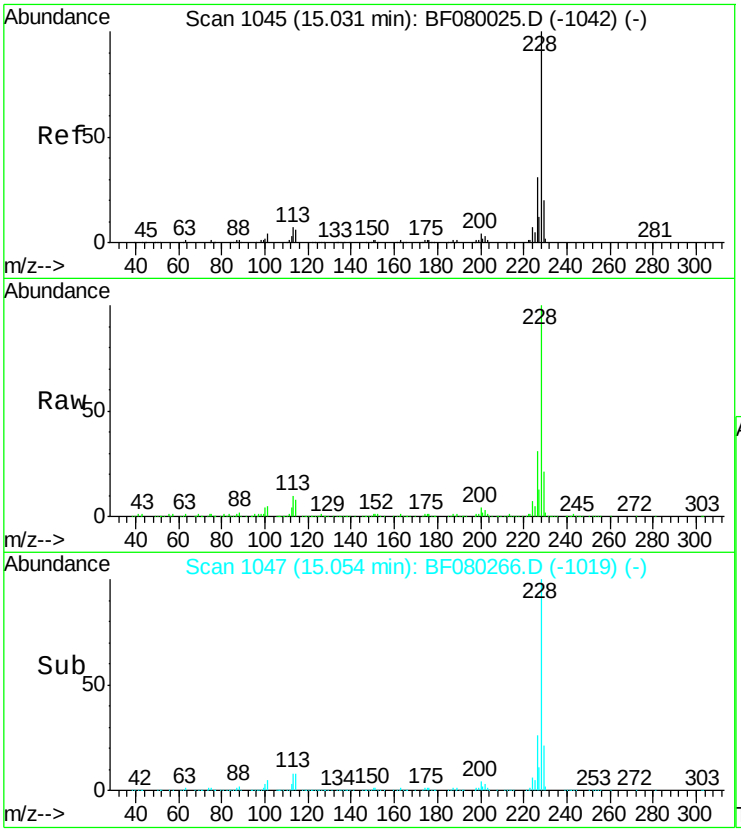


#80
Benzo(a)anthracene
Concen: 54.68 ng
RT: 15.00 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:228 Resp: 503812

Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.0	30.0
229	21.0	15.4	23.2





#82
Chrysene
Concen: 59.01 ng
RT: 15.05 min Scan# 1047
Delta R.T. 0.02 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:228 Resp: 501397

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.0	31.4
229	21.2	15.6	23.4

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

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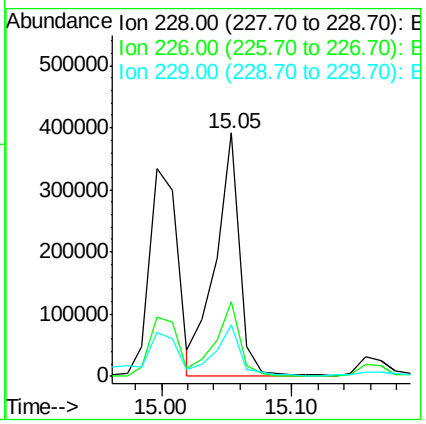
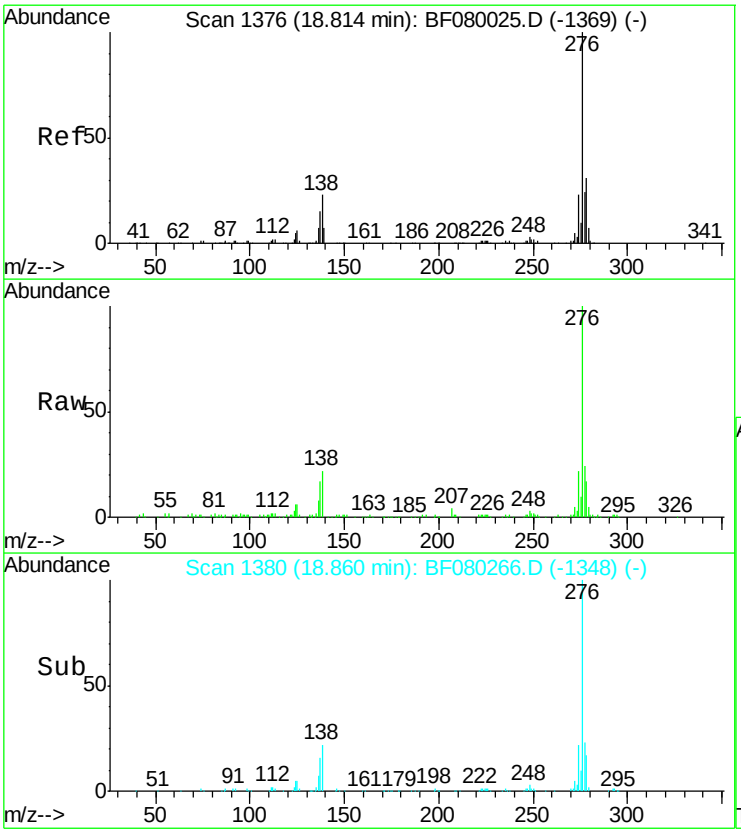
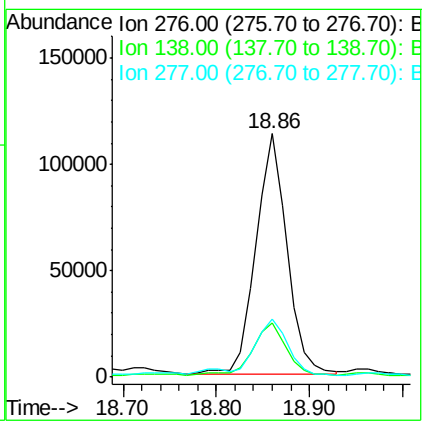


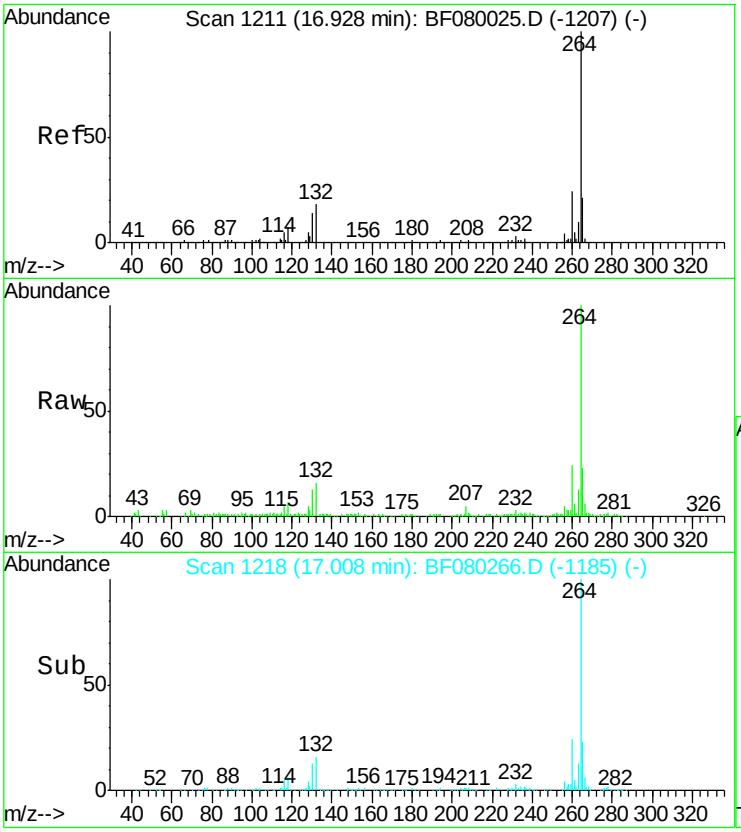


#85
Indeno(1,2,3-cd)pyrene
Concen: 24.54 ng
RT: 18.86 min Scan# 1380
Delta R.T. 0.07 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:276 Resp: 262890

Ion	Ratio	Lower	Upper
276	100		
138	24.9	25.7	38.5#
277	27.3	15.6	23.4#

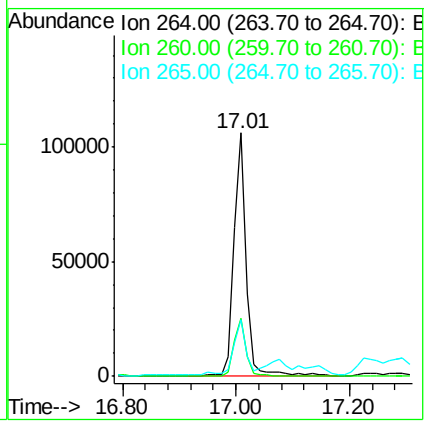




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.01 min Scan# 1218
Delta R.T. 0.08 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:264 Resp: 163905

Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	23.3	17.2	25.8



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

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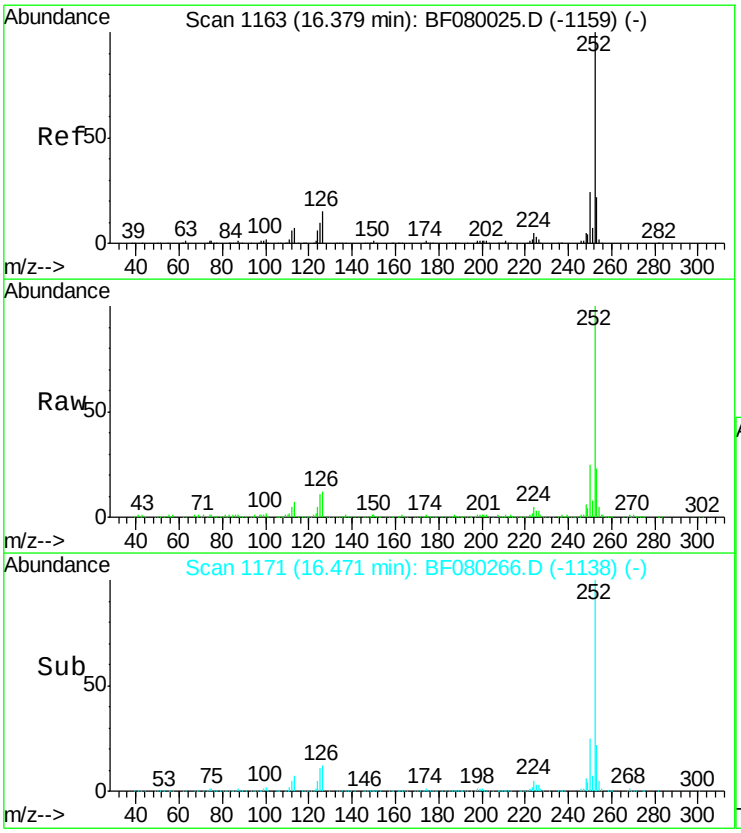
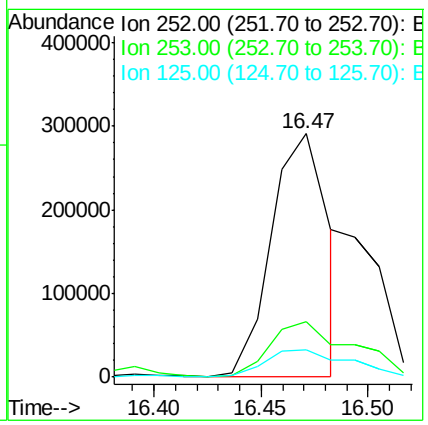
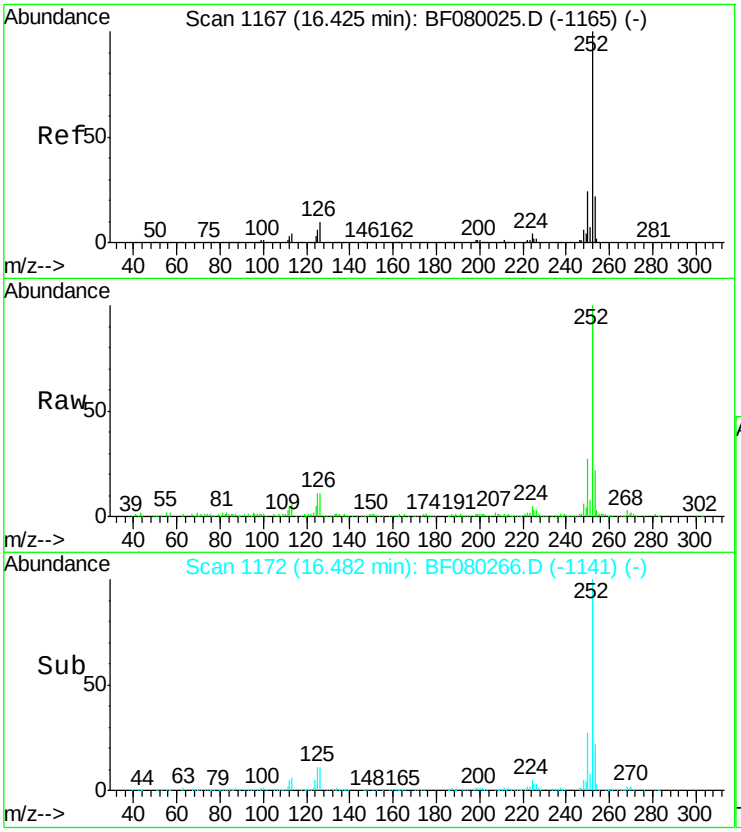


#87
Benzo(b)fluoranthene
Concen: 54.61 ng m
RT: 16.47 min Scan# 1171
Delta R.T. 0.08 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:252 Resp: 541930

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.2	17.1	25.7#

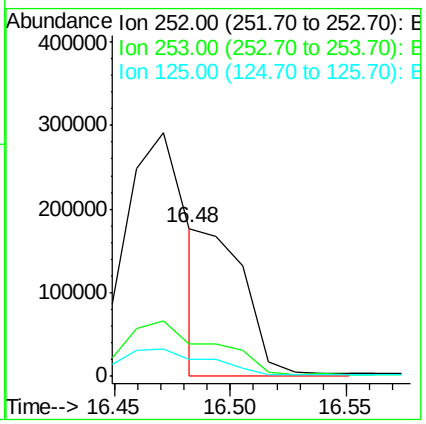




#88
Benzo(k)fluoranthene
Concen: 22.26 ng m
RT: 16.48 min Scan# 1172
Delta R.T. 0.06 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:252 Resp: 224967

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	11.5	16.0	24.0#



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

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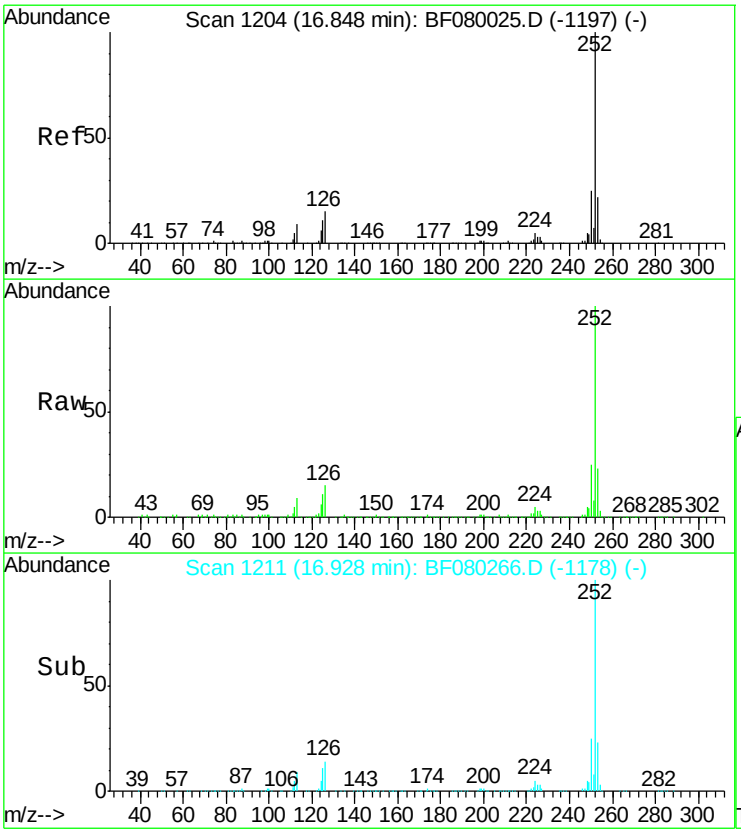
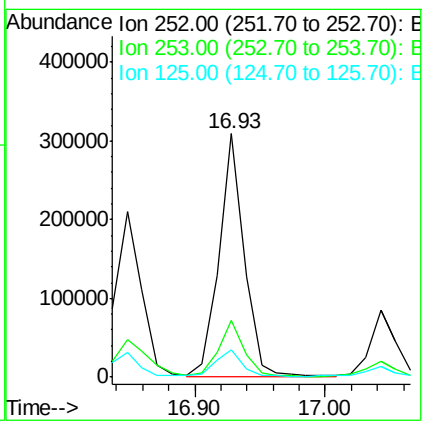
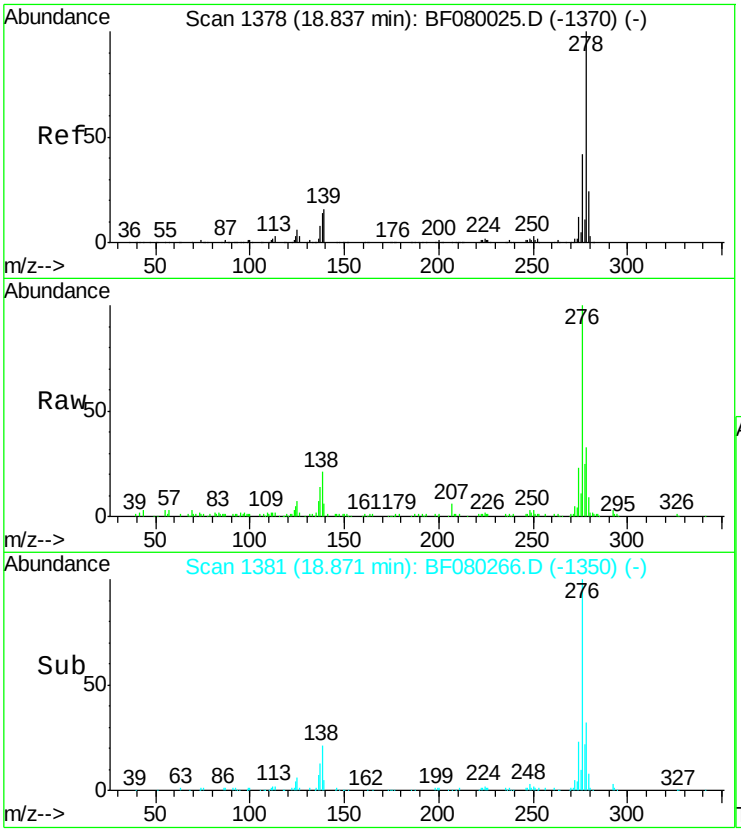


#89
Benzo(a)pyrene
Concen: 44.12 ng
RT: 16.93 min Scan# 1211
Delta R.T. 0.08 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:252 Resp: 415826

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	11.2	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 6.33 ng
RT: 18.87 min Scan# 1381
Delta R.T. 0.06 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:278 Resp: 61063

Ion	Ratio	Lower	Upper
278	100		
139	19.0	26.3	39.5#
279	27.6	18.2	27.4#

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

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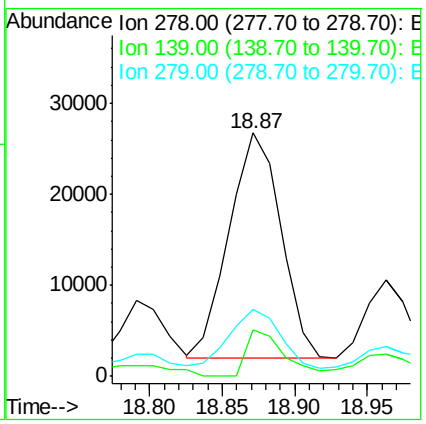

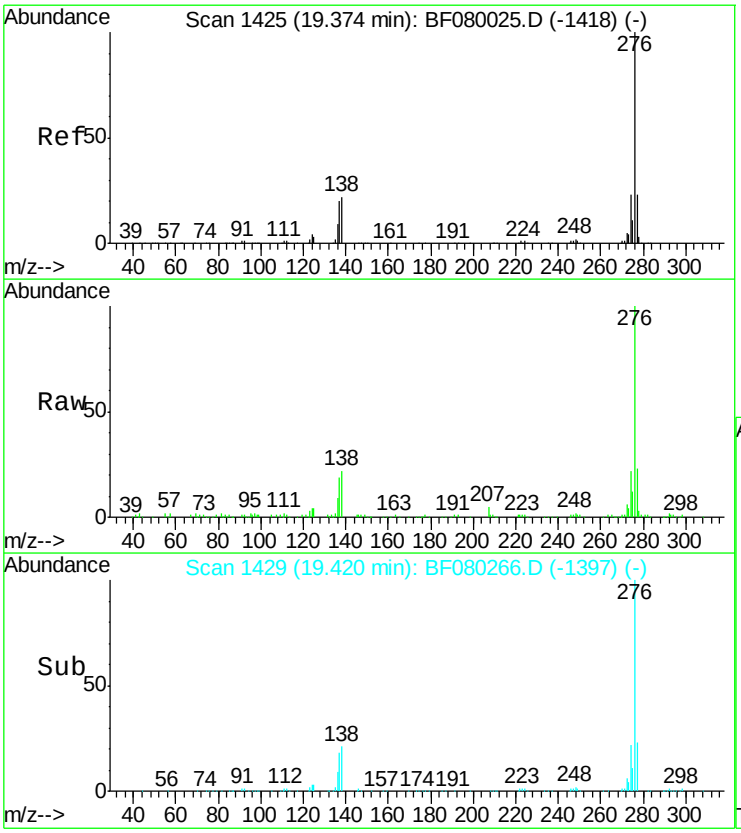

#91
Benzo(g,h,i)perylene
Concen: 26.60 ng
RT: 19.42 min Scan# 1429
Delta R.T. 0.07 min
Lab File: BF080266.D
Acq: 1 Jul 2015 9:19

Tgt Ion:276 Resp: 259109

Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.8	26.6
138	21.6	34.6	51.8#