Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

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

Manual Integrations APPROVED
apatel
7/1/2015 4:18:20 PM

Quant Time: Jul 01 13:54:46 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	34668	20.00	ng		-0.05
21) Naphthalene-d8	8.57	136	140694	20.00	ng		-0.05
38) Acenaphthene-d10	10.34	164	71046	20.00	ng		-0.05
63) Phenanthrene-d10	11.86	188	145762	20.00	ng		-0.05
75) Chrysene-d12	14.95	240	159961	20.00	ng		-0.05
86) Perylene-d12	16.89	264	162143	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.90	112	63045	32.19	ng		-0.03
7) Phenol-d6	6.89	99	84312	32.35	ng		-0.03
23) Nitrobenzene-d5	7.84	82	50352	20.83	ng		-0.03
41) 2,4,6-Tribromophenol	11.14	330	19426	27.96	ng		-0.03
44) 2-Fluorobiphenyl	9.65	172	99009	19.87	ng		-0.05
78) Terphenyl-d14	13.61	244	117889	17.21	ng		-0.06
Target Compounds							Qvalue
49) Dimethylphthalate	10.04	163	11750	2.20	ng	#	98
51) Acenaphthene	10.38	154	17356	3.62	ng		91
57) Fluorene	10.90	166	14476	2.68	ng		91
70) Phenanthrene	11.89	178	248371	28.14	ng		97
71) Anthracene	11.94	178	70163	8.26	ng		99
72) Carbazole	12.09	167	21008	2.59	ng		96
74) Fluoranthene	13.19	202	451215	48.01	ng		91
77) Pyrene	13.45	202	394386	40.04	ng		96
80) Benzo(a)anthracene	14.94	228	236401	24.26	ng		95
82) Chrysene	14.99	228	232444m	25.87	ng		
85) Indeno(1,2,3-cd)pyrene	18.73	276	123639	10.91	ng	#	88
87) Benzo(b)fluoranthene	16.36	252	294897m	30.04	ng		
88) Benzo(k)fluoranthene	16.39	252	100357m	10.04	ng		
89) Benzo(a)pyrene	16.81	252	194313	20.84	ng	#	88
90) Dibenzo(a,h)anthracene	18.76	278	29971	3.14	ng	#	80
91) Benzo(g,h,i)perylene	19.29	276	117853	12.23	ng	#	78

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

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Manual Integrations APPROVED
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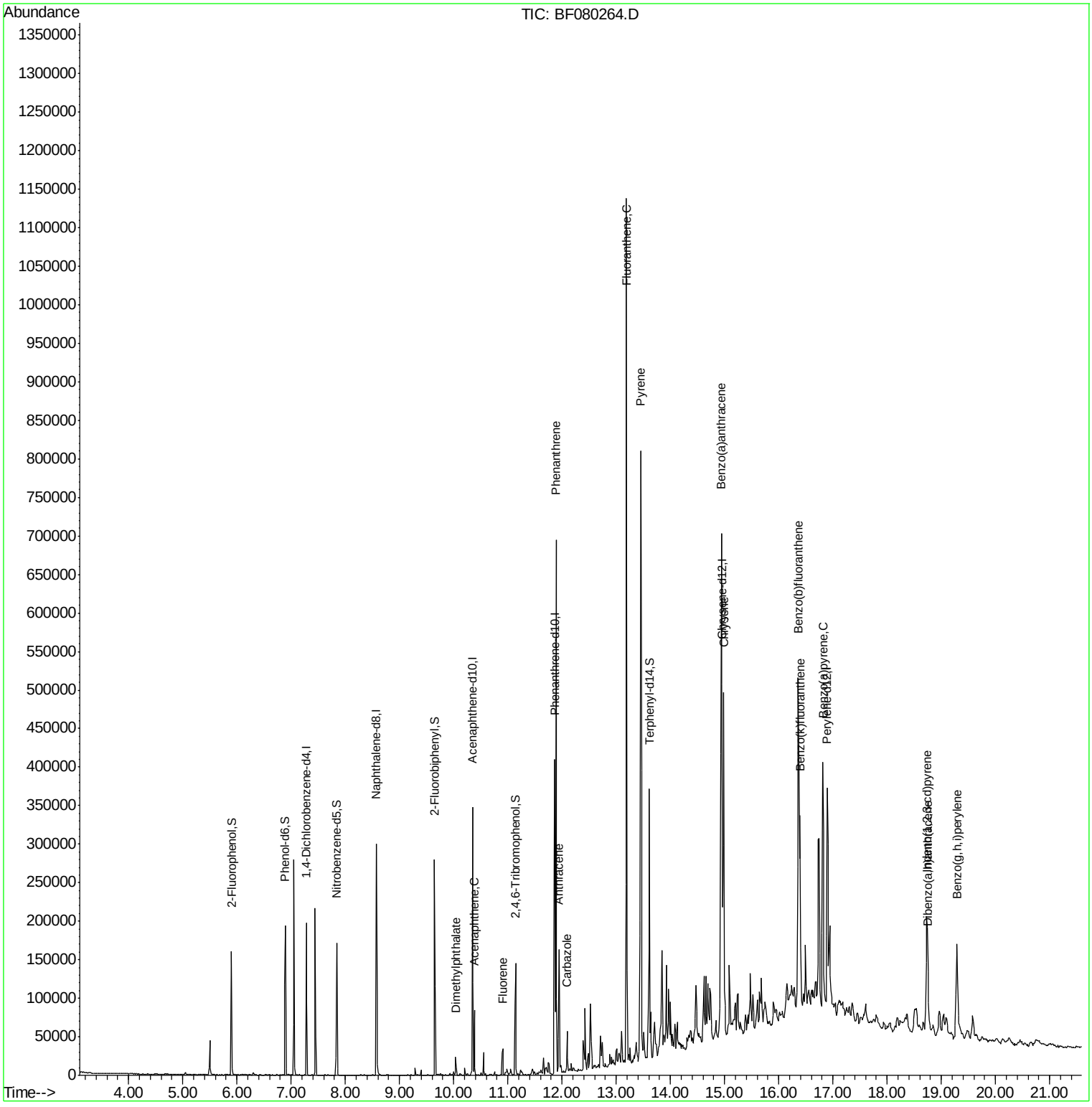
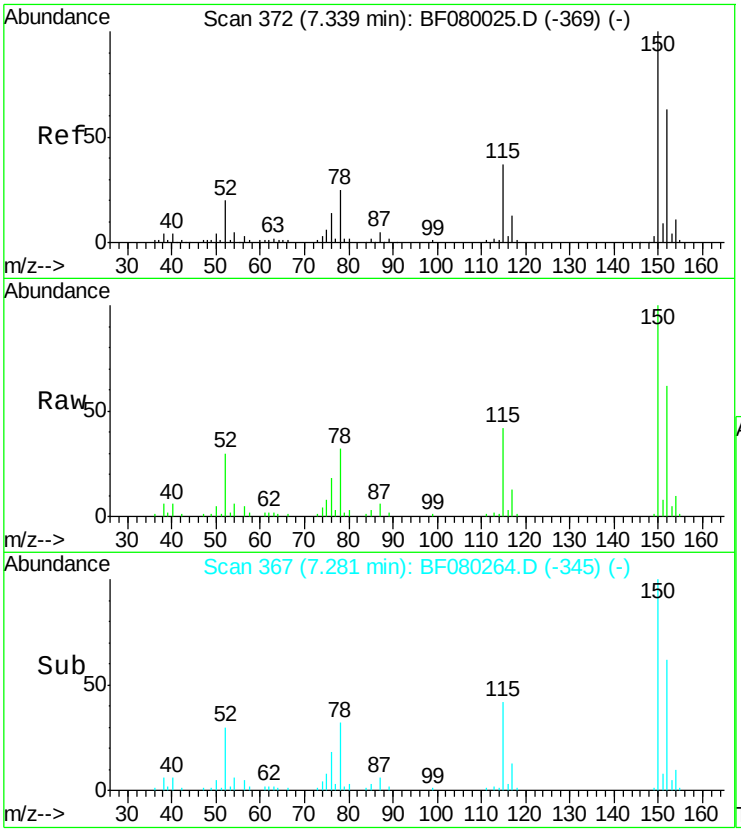
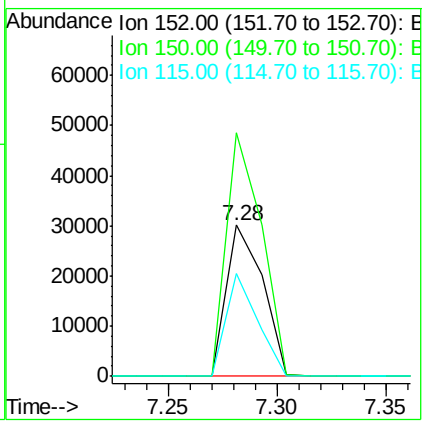




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 367
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:152 Resp: 34668

Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.7	187.1
115	67.7	39.0	58.4#



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

Manual Integrations APPROVED
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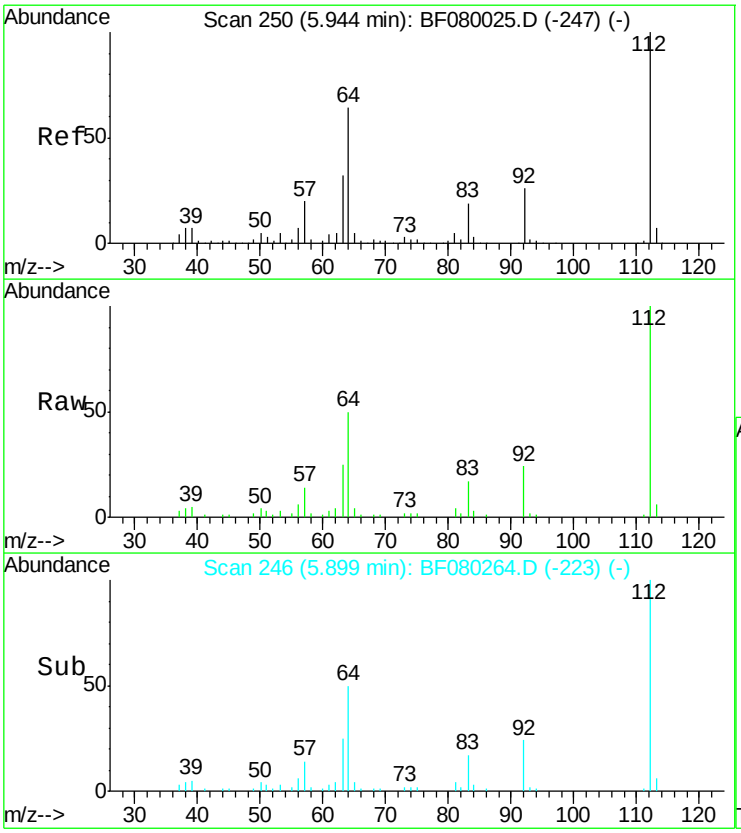
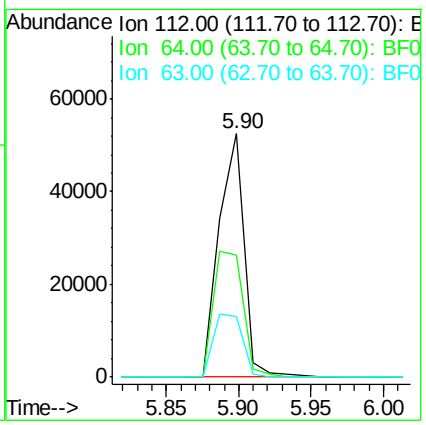
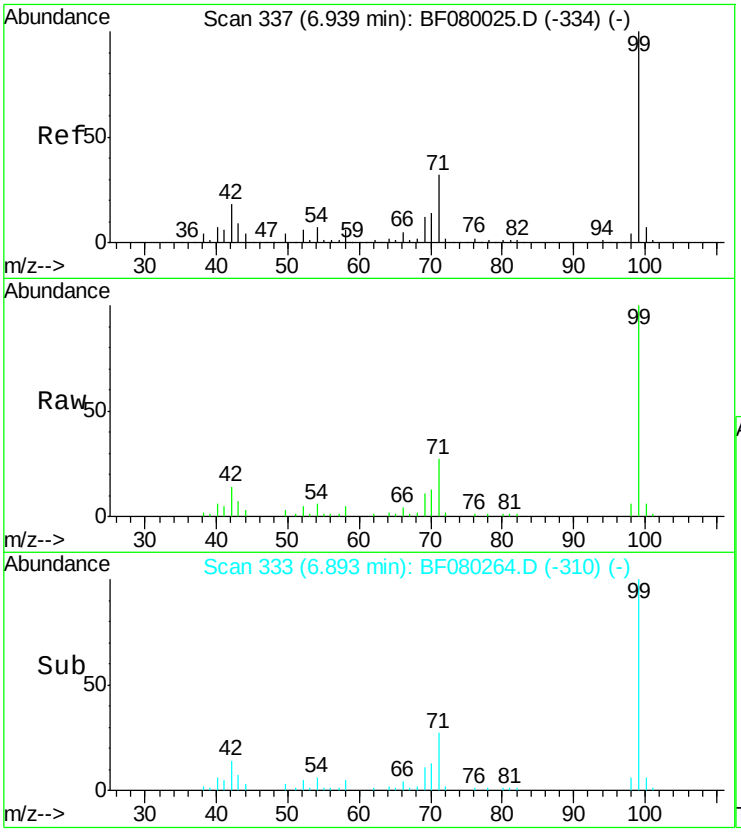


#5
2-Fluorophenol
Concen: 32.19 ng
RT: 5.90 min Scan# 246
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:112 Resp: 63045

Ion	Ratio	Lower	Upper
112	100		
64	50.1	39.7	59.5
63	24.8	17.4	26.0

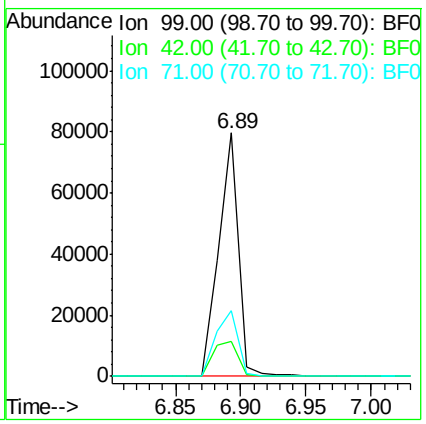




#7
Phenol-d6
Concen: 32.35 ng
RT: 6.89 min Scan# 333
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion: 99 Resp: 84312

Ion	Ratio	Lower	Upper
99	100		
42	14.4	13.7	20.5
71	26.9	14.2	21.2#



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

Manual Integrations APPROVED
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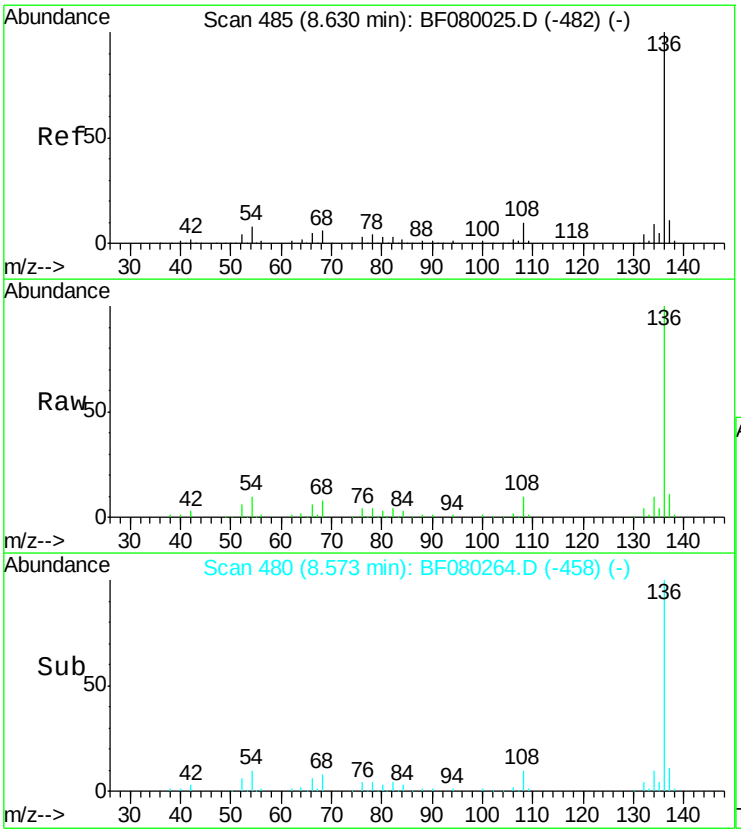
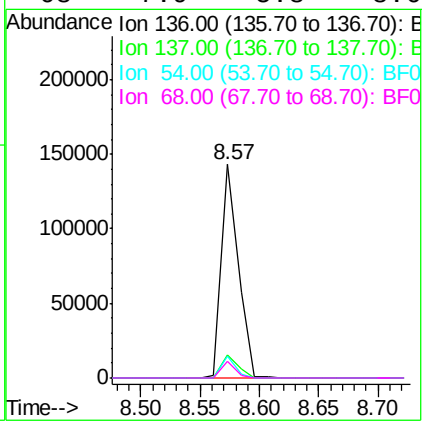
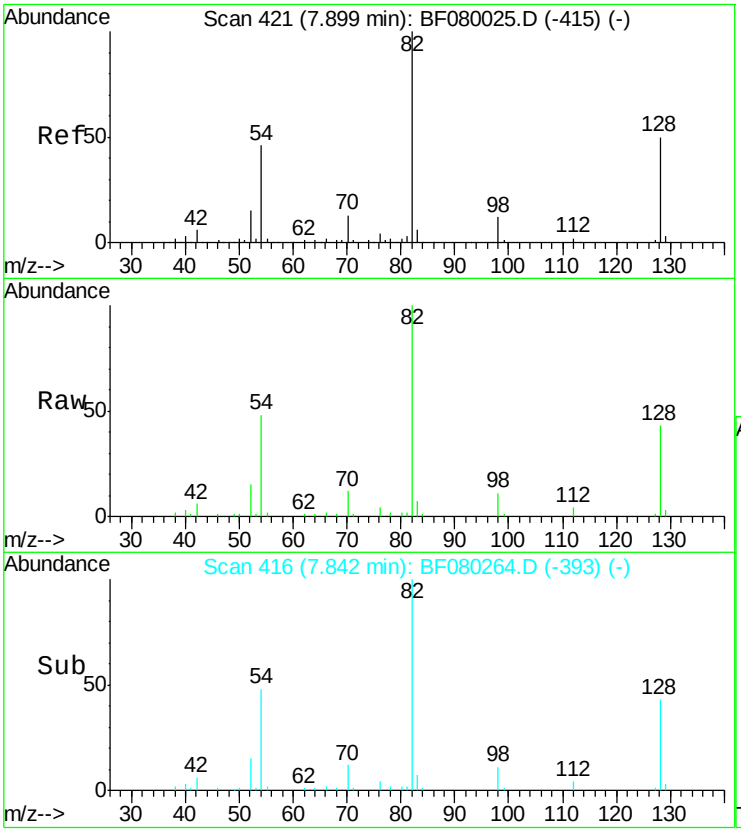


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:136 Resp: 140694

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	10.2	8.2	12.2
68	7.9	5.8	8.6

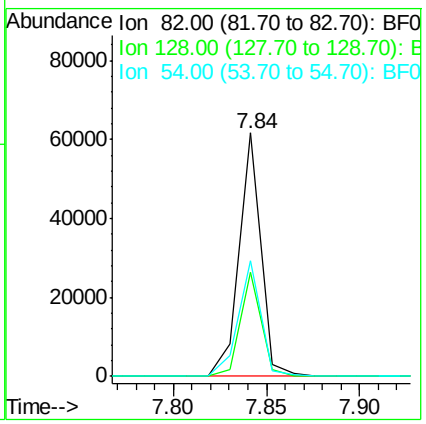




#23
Nitrobenzene-d5
Concen: 20.83 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion: 82 Resp: 50352

Ion	Ratio	Lower	Upper
82	100		
128	42.9	51.0	76.6#
54	47.6	47.5	71.3



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

Manual Integrations APPROVED
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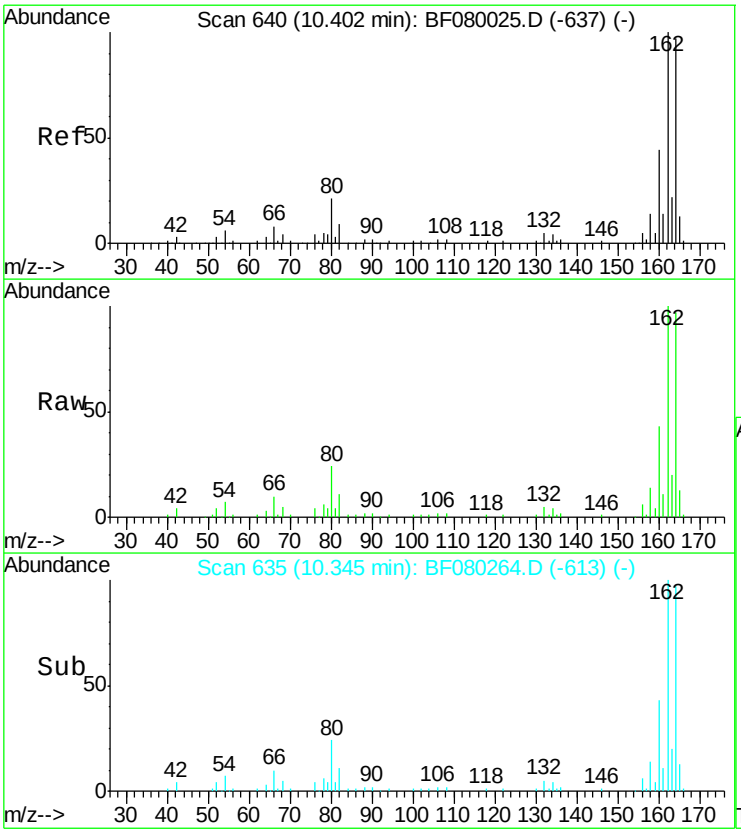
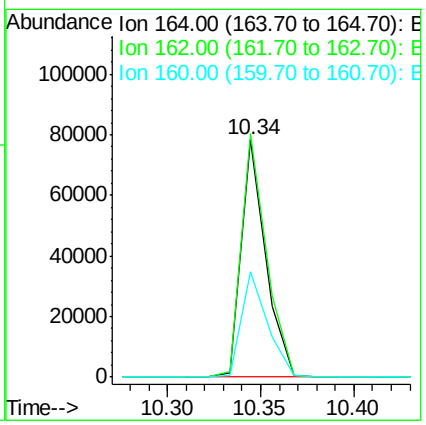
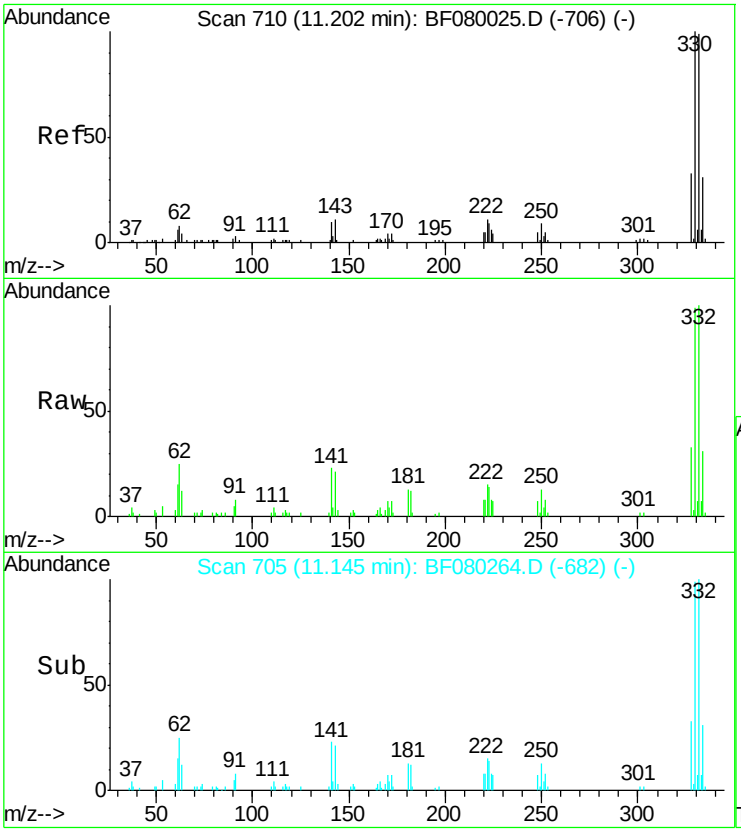


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.34 min Scan# 635
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:164 Resp: 71046

Ion	Ratio	Lower	Upper
164	100		
162	102.6	75.2	112.8
160	44.6	31.5	47.3

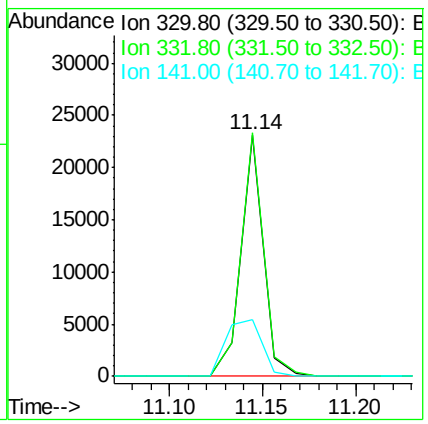




#41
2,4,6-Tribromophenol
Concen: 27.96 ng
RT: 11.14 min Scan# 705
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:330 Resp: 19426

Ion	Ratio	Lower	Upper
330	100		
332	101.3	76.6	114.8
141	38.0	29.7	44.5



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

Manual Integrations APPROVED
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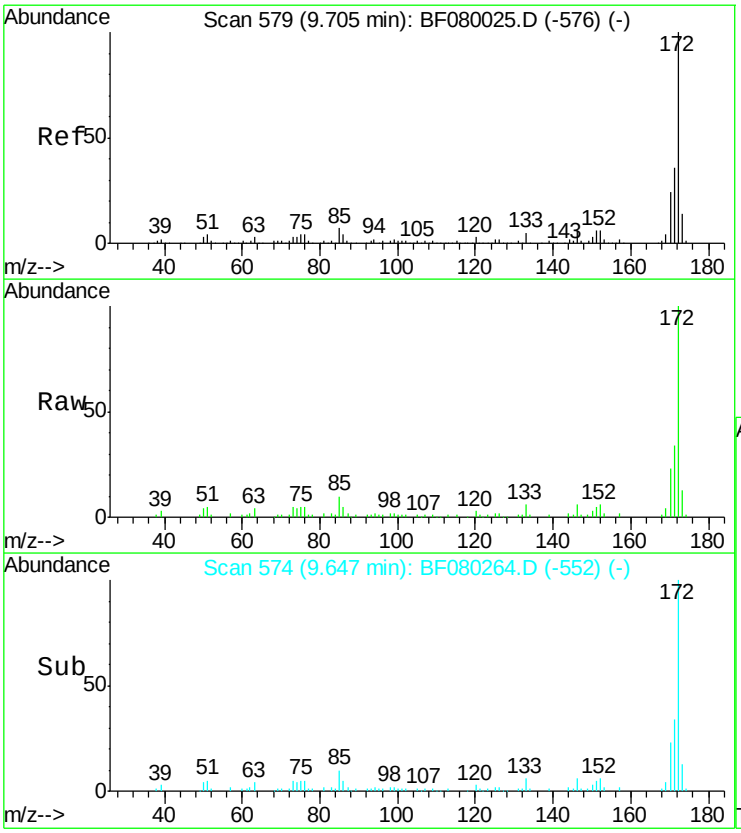
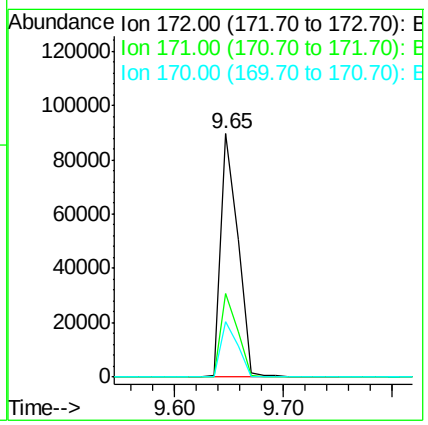
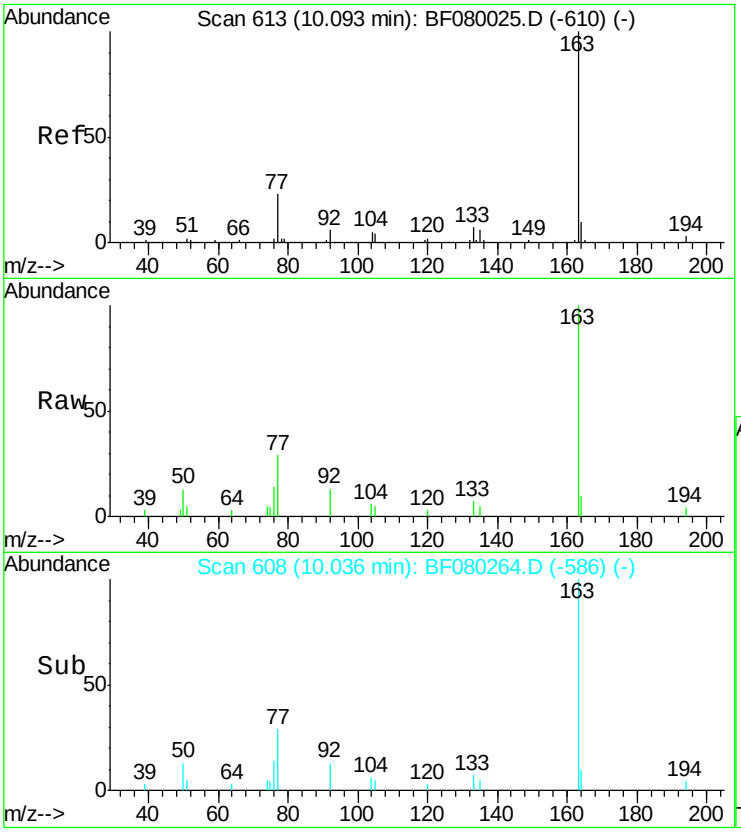


#44
2-Fluorobiphenyl
Concen: 19.87 ng
RT: 9.65 min Scan# 574
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:172 Resp: 99009

Ion	Ratio	Lower	Upper
172	100		
171	34.4	26.1	39.1
170	23.0	17.4	26.2

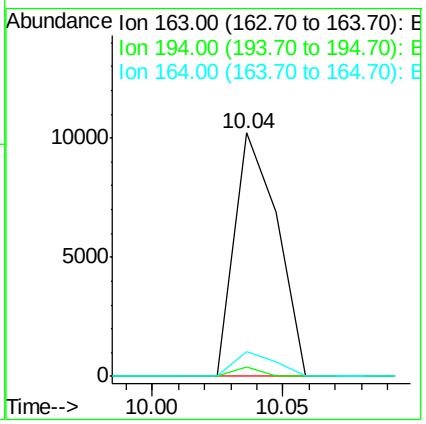




#49
Dimethylphthalate
Concen: 2.20 ng
RT: 10.04 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:163 Resp: 11750

Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.4	6.6#
164	10.4	8.3	12.5



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

Manual Integrations APPROVED
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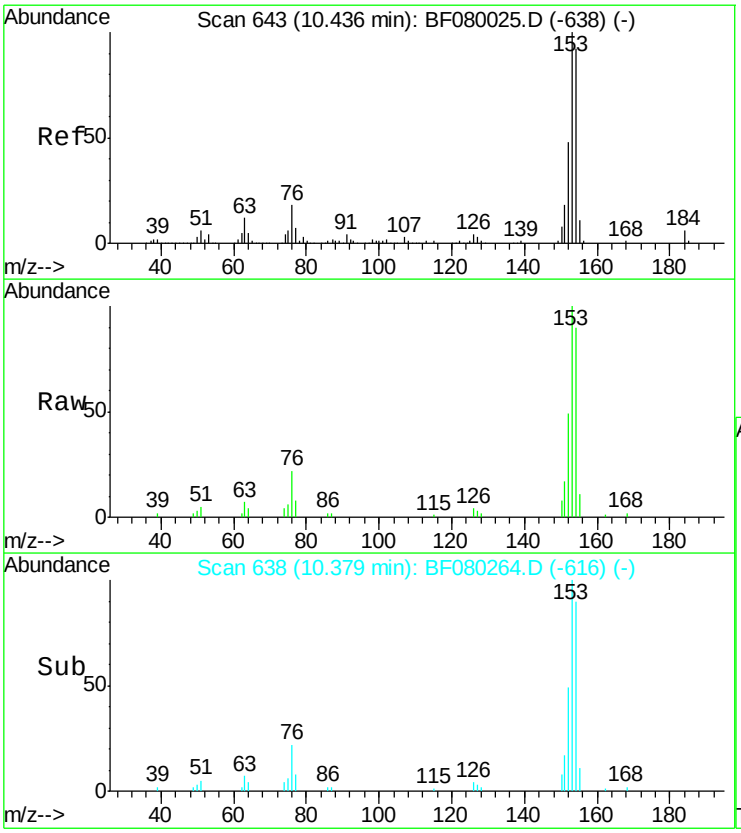
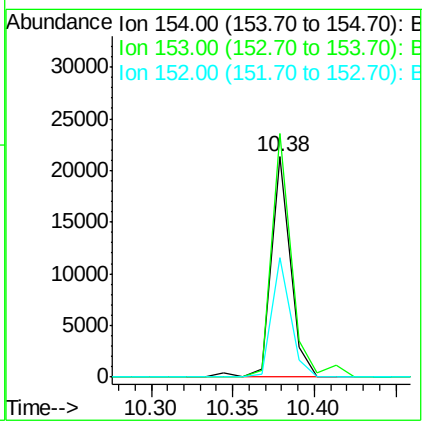
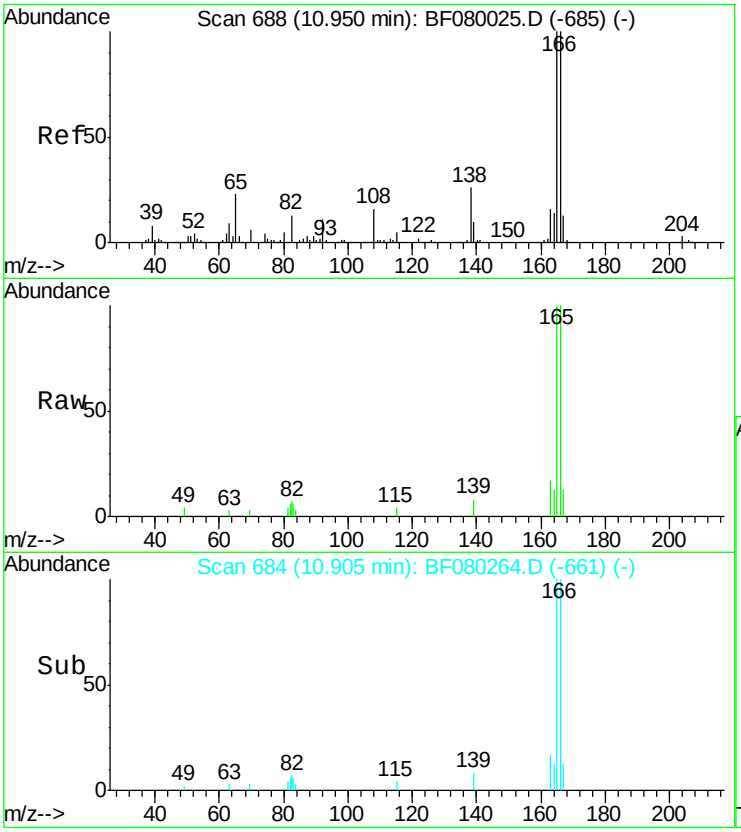


#51
Acenaphthene
Concen: 3.62 ng
RT: 10.38 min Scan# 638
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:154 Resp: 17356

Ion	Ratio	Lower	Upper
154	100		
153	110.6	82.1	123.1
152	54.1	37.9	56.9

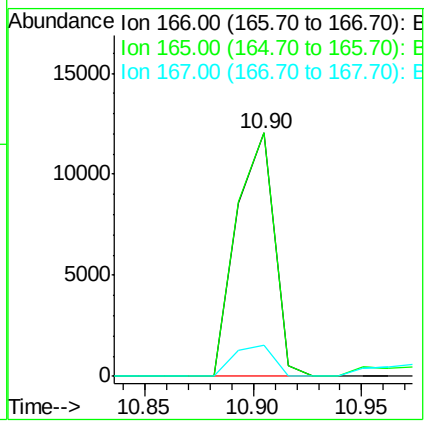




#57
Fluorene
Concen: 2.68 ng
RT: 10.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:166 Resp: 14476

Ion	Ratio	Lower	Upper
166	100		
165	100.2	72.6	109.0
167	12.6	10.6	16.0



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

Manual Integrations APPROVED
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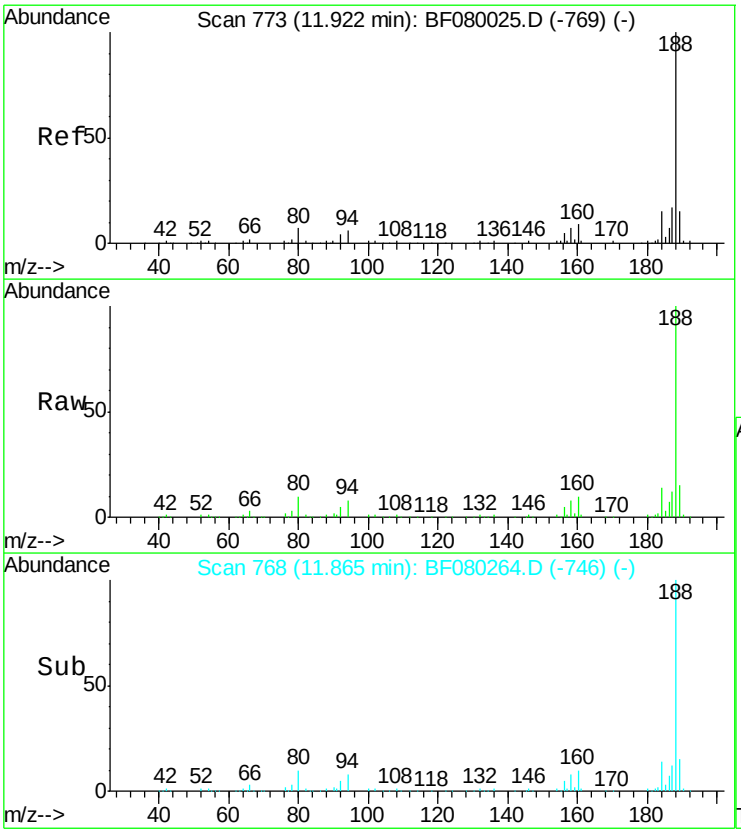
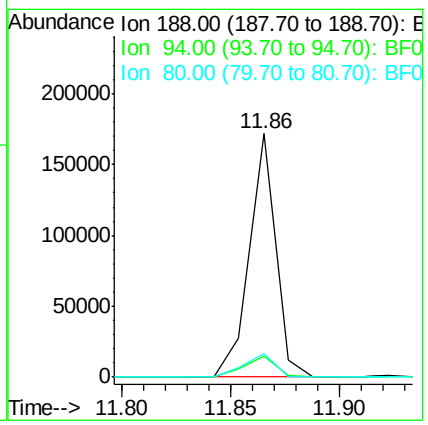
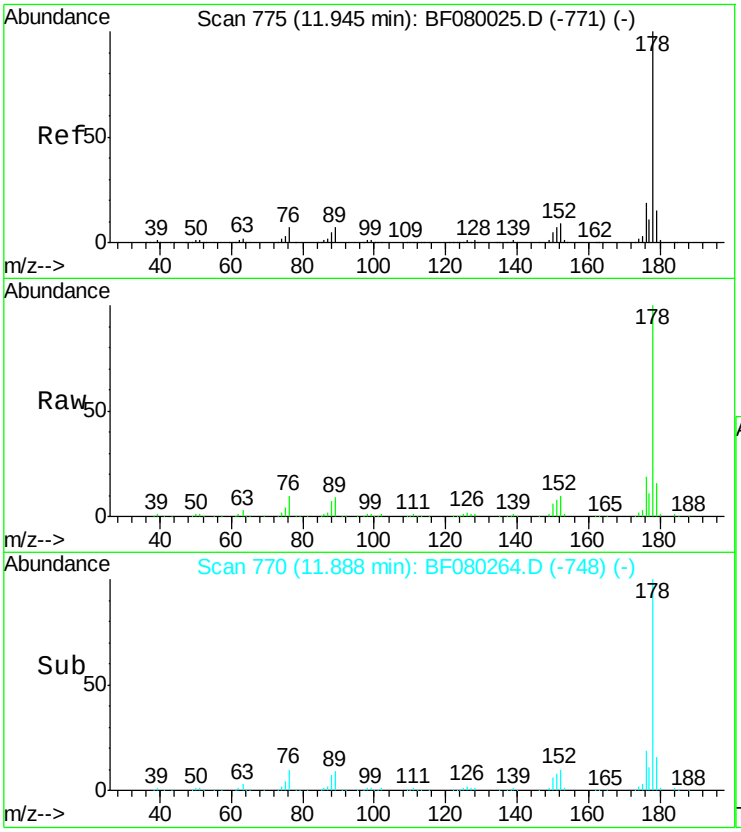


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:188 Resp: 145762

Ion	Ratio	Lower	Upper
188	100		
94	8.3	11.1	16.7#
80	9.5	11.0	16.4#

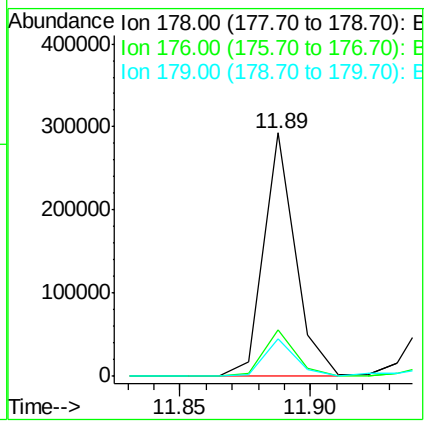




#70
Phenanthrene
Concen: 28.14 ng
RT: 11.89 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:178 Resp: 248371

Ion	Ratio	Lower	Upper
178	100		
176	19.2	13.8	20.8
179	15.7	12.2	18.2



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

Manual Integrations APPROVED
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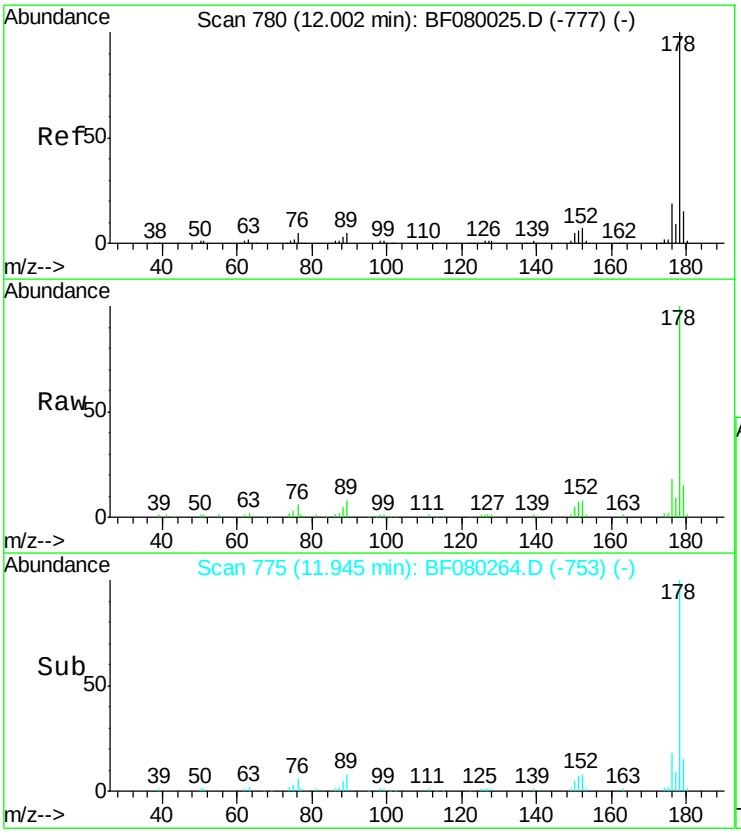
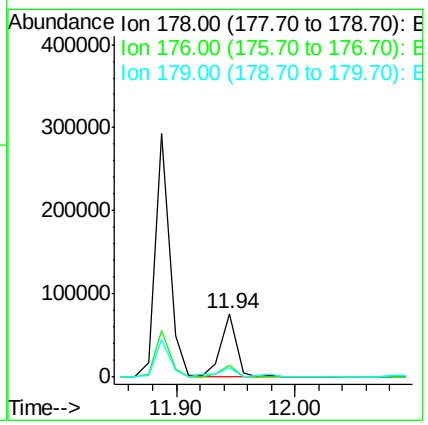
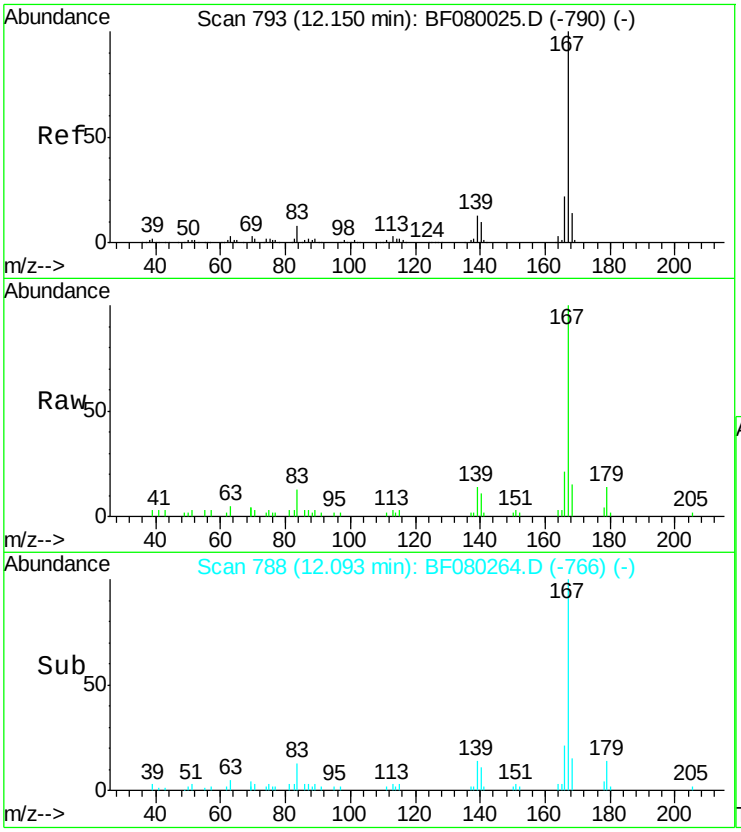


#71
Anthracene
Concen: 8.26 ng
RT: 11.94 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:178 Resp: 70163

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.1	21.1
179	15.0	12.2	18.2

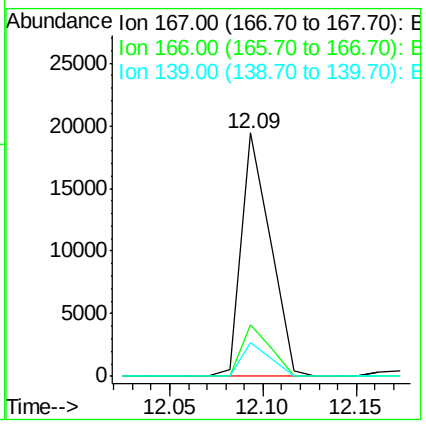




#72
Carbazole
Concen: 2.59 ng
RT: 12.09 min Scan# 788
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:167 Resp: 21008

Ion	Ratio	Lower	Upper
167	100		
166	21.3	15.7	23.5
139	13.7	9.5	14.3



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

Manual Integrations APPROVED
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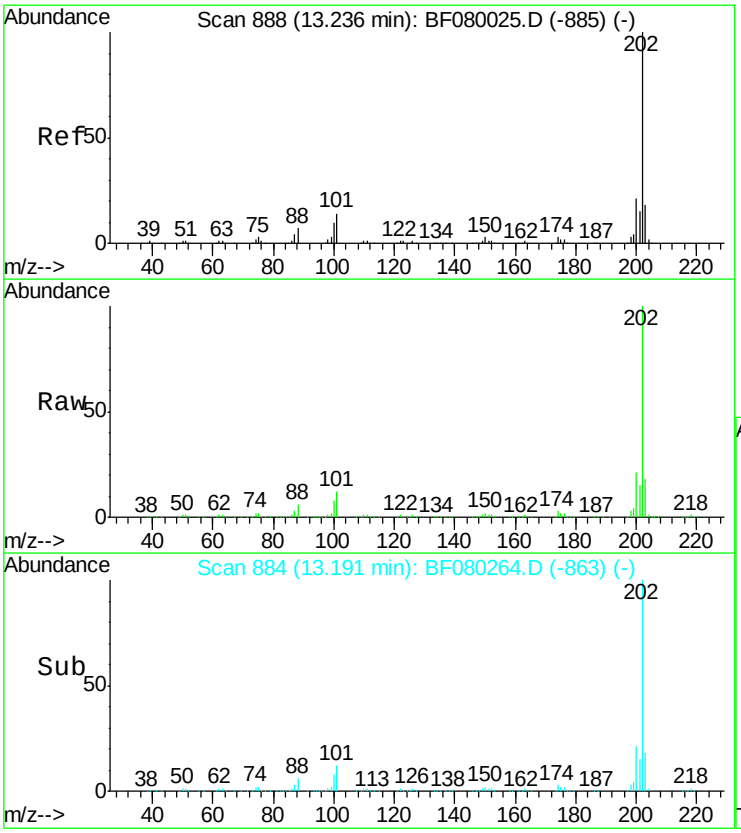
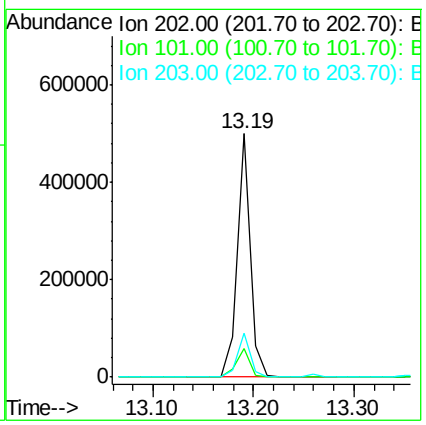
7/1/2015 4:18:20 PM

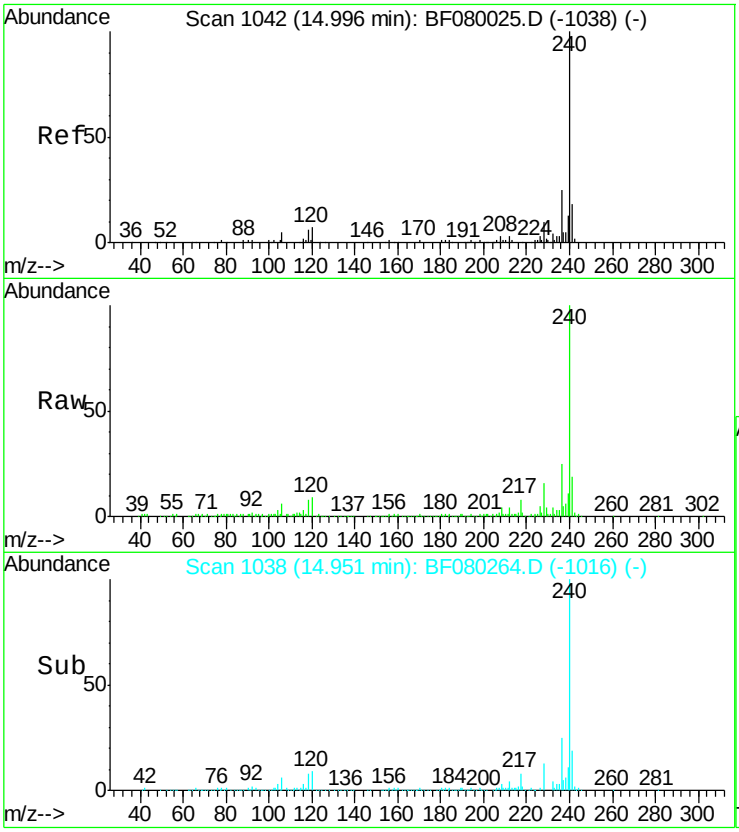


#74
Fluoranthene
Concen: 48.01 ng
RT: 13.19 min Scan# 884
Delta R.T. -0.06 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:202 Resp: 451215

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	38.3
203	18.0	0.0	37.3

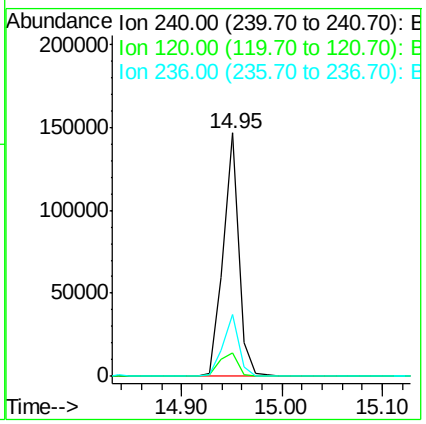




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:240 Resp: 159961

Ion	Ratio	Lower	Upper
240	100		
120	9.4	16.2	24.2#
236	25.4	18.4	27.6



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

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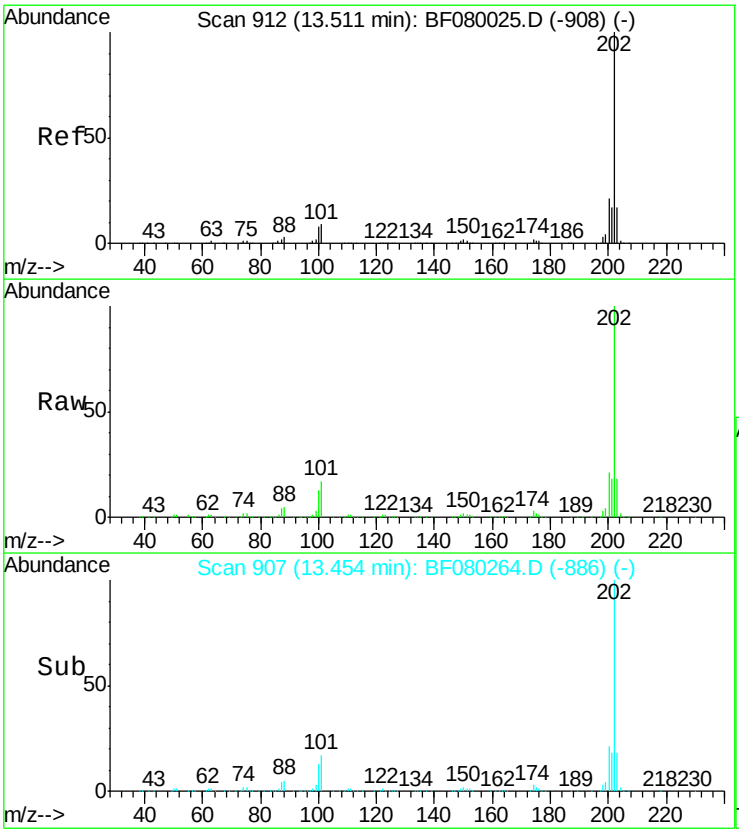
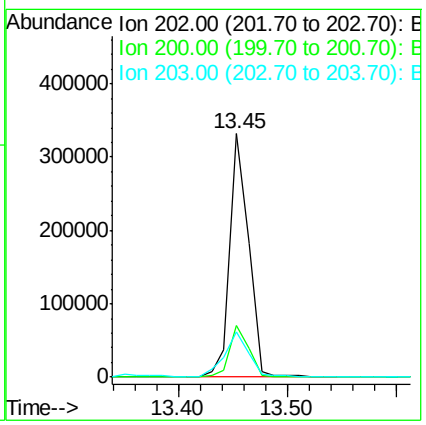
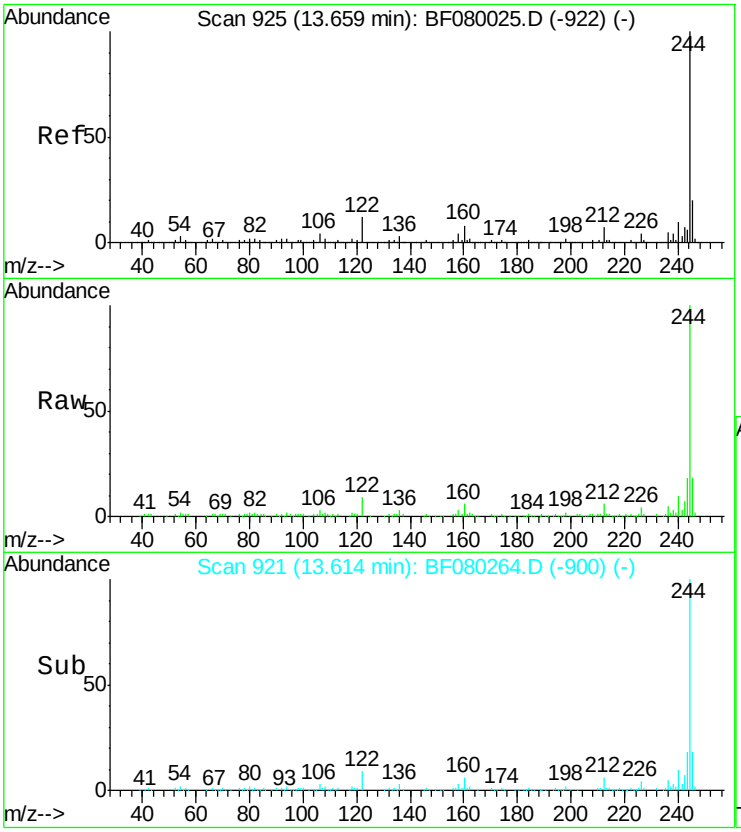


#77
Pyrene
Concen: 40.04 ng
RT: 13.45 min Scan# 907
Delta R.T. -0.06 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:202 Resp: 394386

Ion	Ratio	Lower	Upper
202	100		
200	21.5	15.0	22.4
203	18.3	14.1	21.1

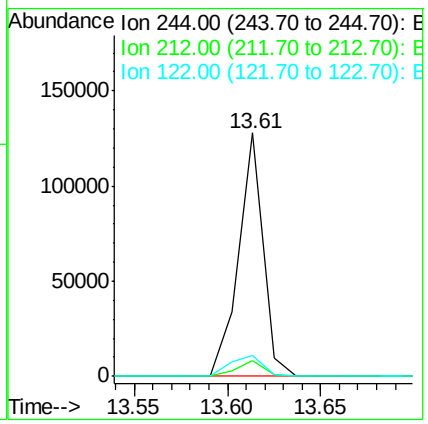




#78
Terphenyl-d14
Concen: 17.21 ng
RT: 13.61 min Scan# 921
Delta R.T. -0.06 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:244 Resp: 117889

Ion	Ratio	Lower	Upper
244	100		
212	6.3	4.3	6.5
122	8.5	17.4	26.2#



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

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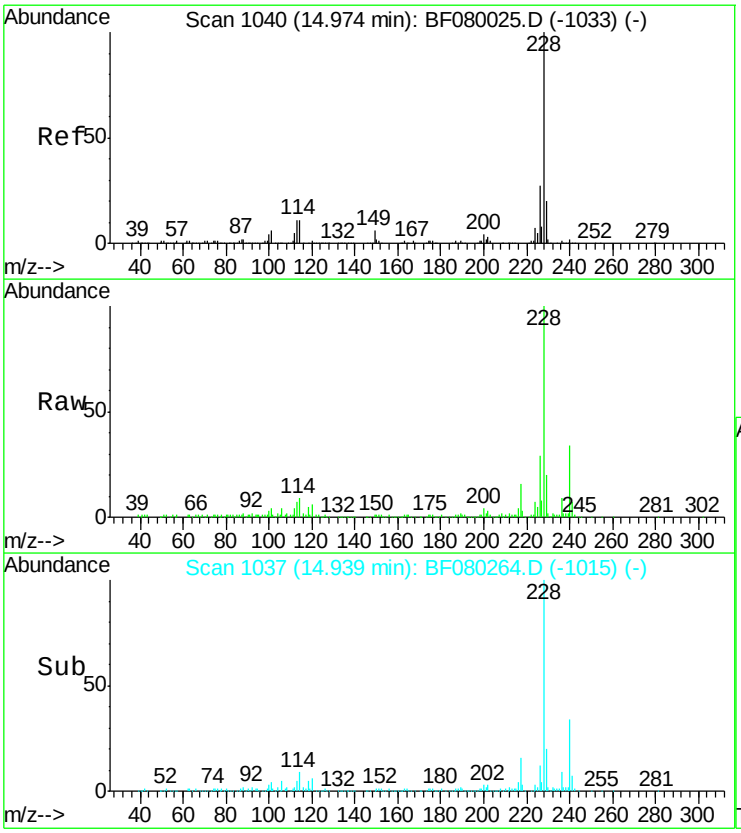
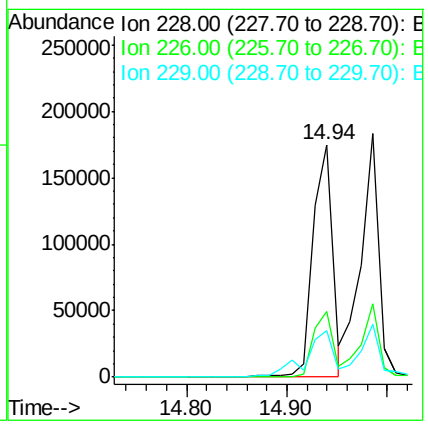
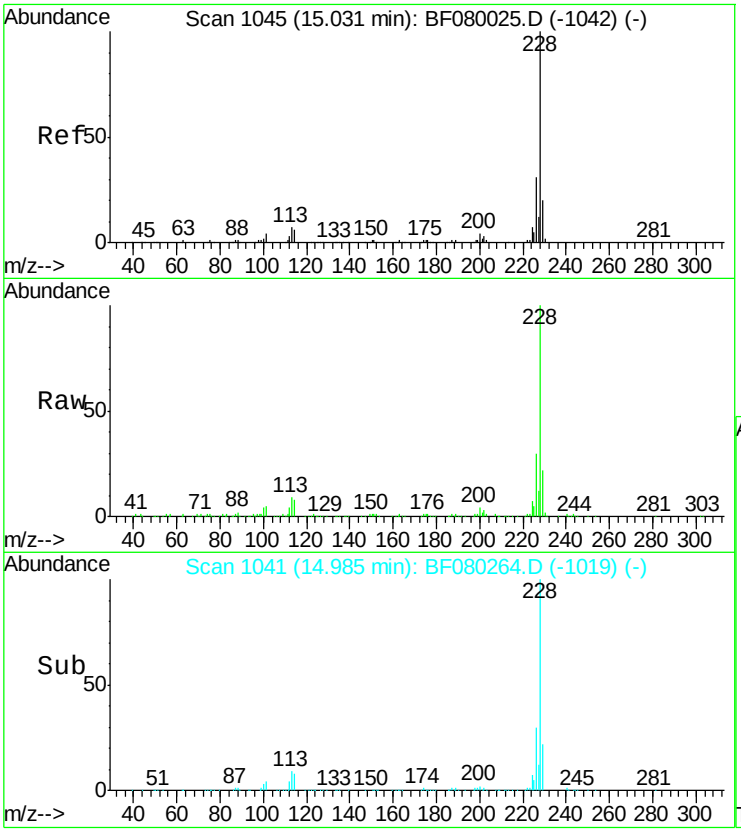


#80
Benzo(a)anthracene
Concen: 24.26 ng
RT: 14.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:228 Resp: 236401

Ion	Ratio	Lower	Upper
228	100		
226	28.6	20.0	30.0
229	20.3	15.4	23.2

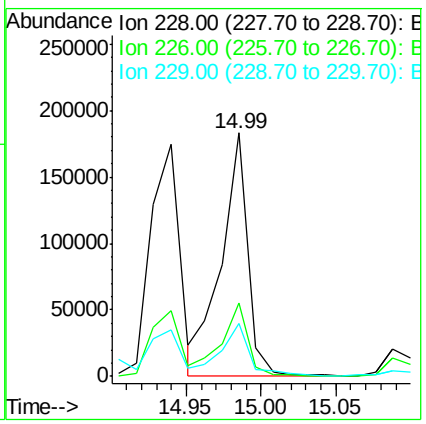




#82
Chrysene
Concen: 25.87 ng m
RT: 14.99 min Scan# 1041
Delta R.T. -0.05 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:228 Resp: 232444

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.0	31.4
229	21.9	15.6	23.4



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

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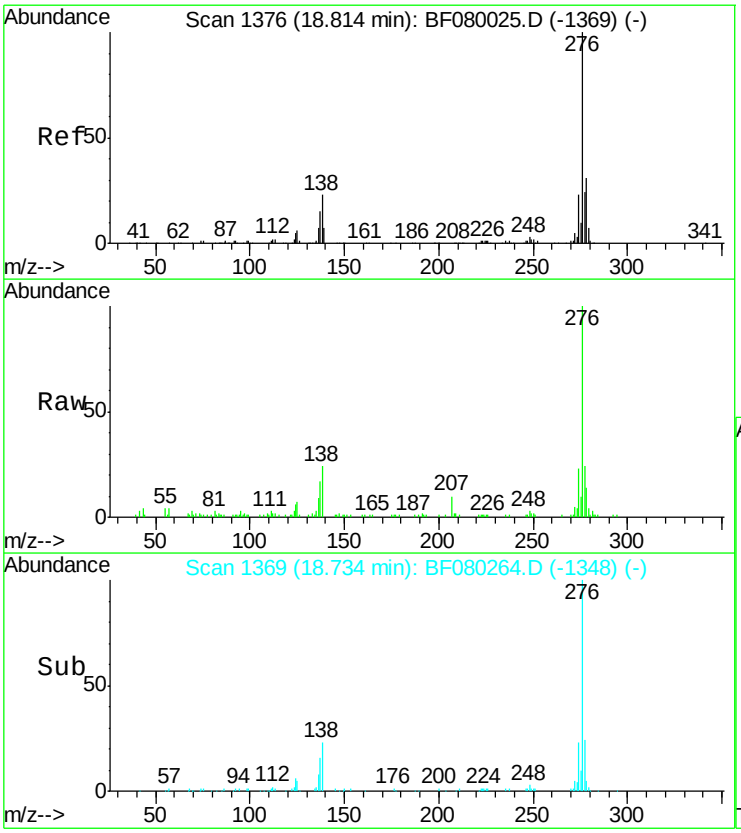
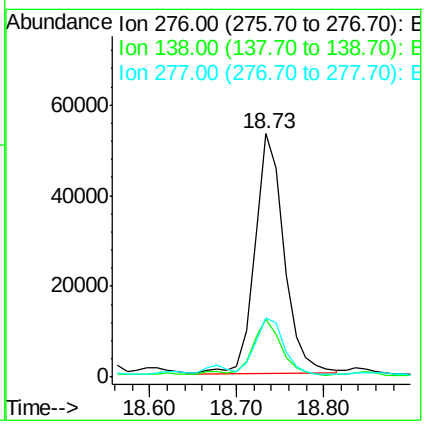
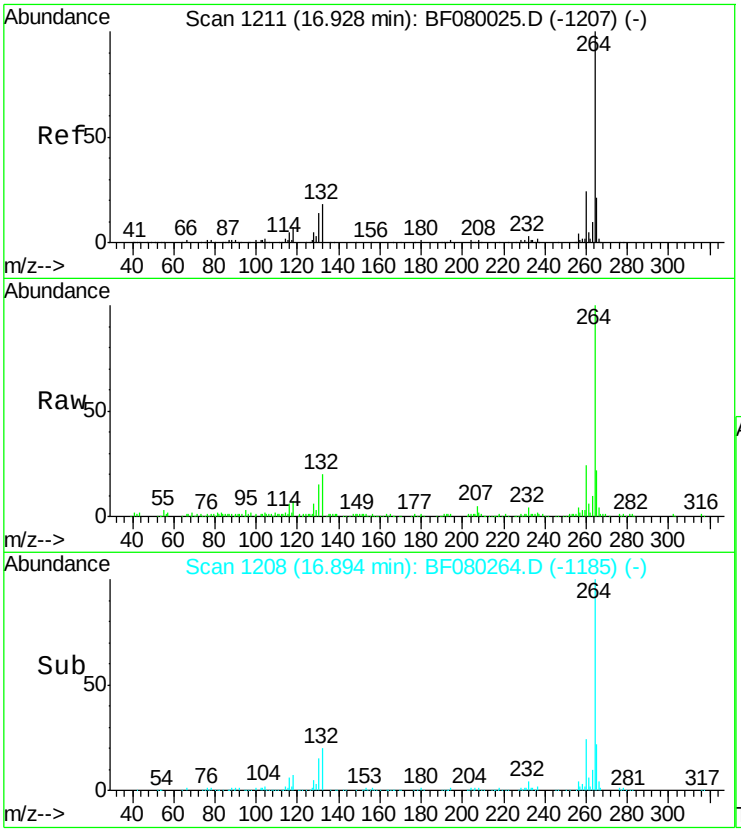


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.91 ng
RT: 18.73 min Scan# 1369
Delta R.T. -0.06 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:276 Resp: 123639

Ion	Ratio	Lower	Upper
276	100		
138	24.5	25.7	38.5#
277	24.1	15.6	23.4#

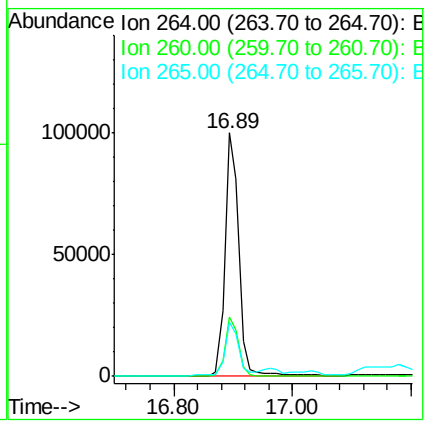




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.89 min Scan# 1208
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:264 Resp: 162143

Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	22.3	17.2	25.8



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

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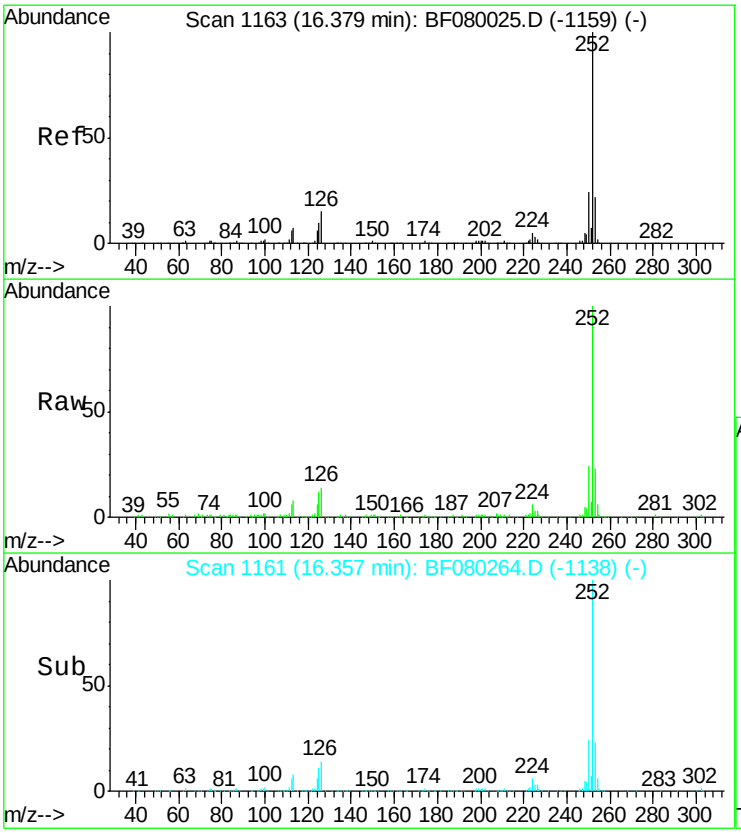
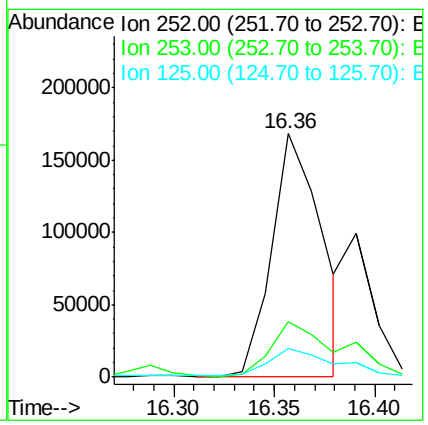
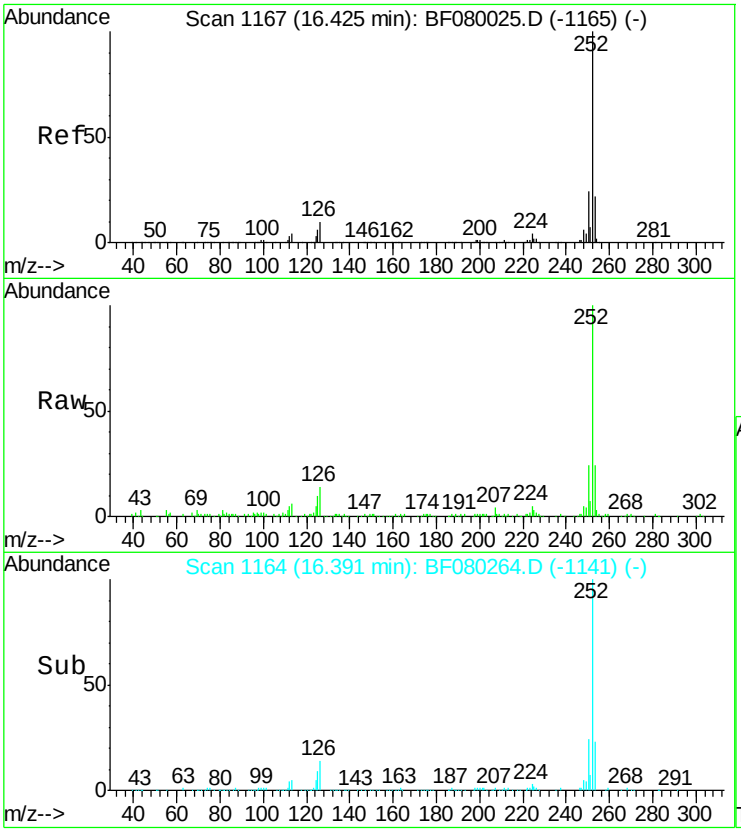


#87
Benzo(b)fluoranthene
Concen: 30.04 ng m
RT: 16.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:252 Resp: 294897

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.8	17.1	25.7#





#88
Benzo(k)fluoranthene
Concen: 10.04 ng m
RT: 16.39 min Scan# 1164
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:252 Resp: 100357

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	10.3	16.0	24.0#

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

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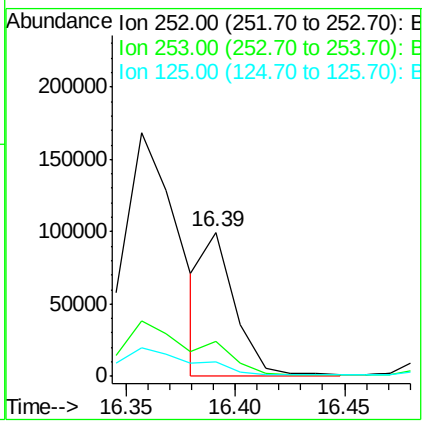
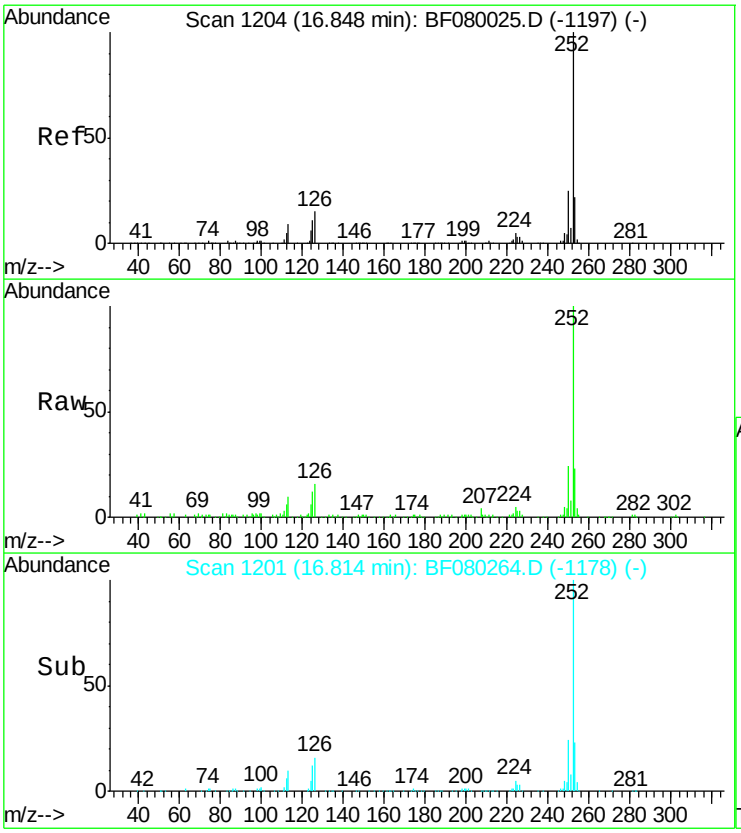
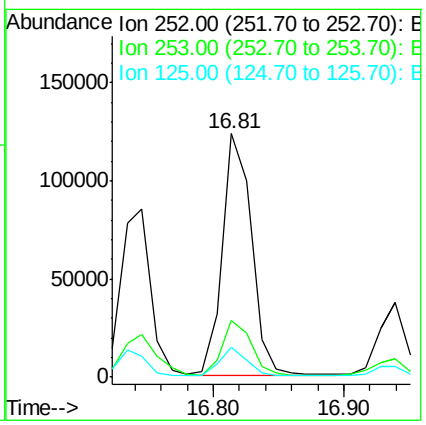


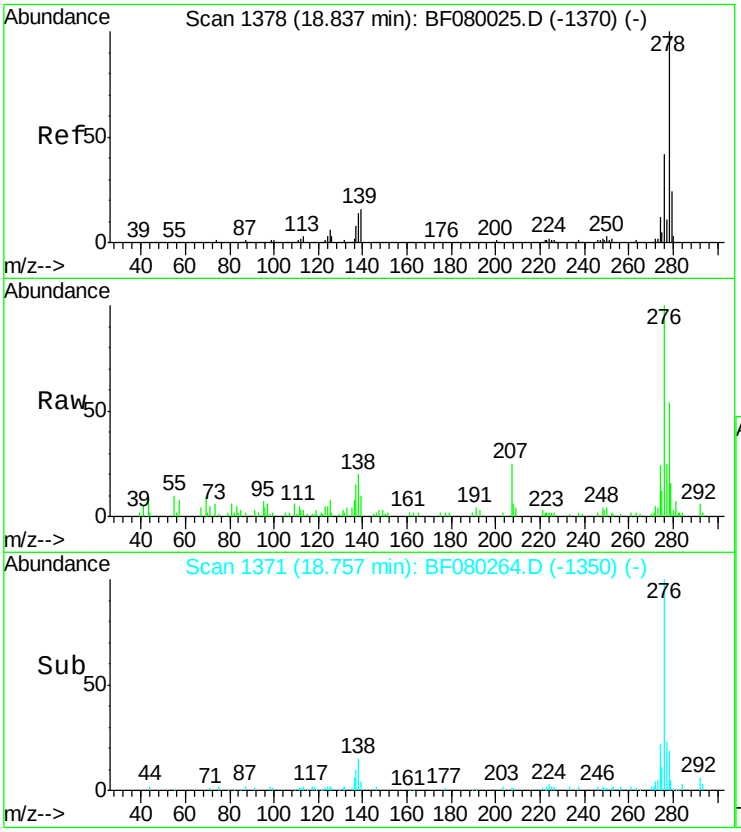


#89
Benzo(a)pyrene
Concen: 20.84 ng
RT: 16.81 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:252 Resp: 194313

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.4	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 3.14 ng
RT: 18.76 min Scan# 1371
Delta R.T. -0.06 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:278 Resp: 29971

Ion	Ratio	Lower	Upper
278	100		
139	19.3	26.3	39.5#
279	29.6	18.2	27.4#

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

Manual Integrations APPROVED
apatel
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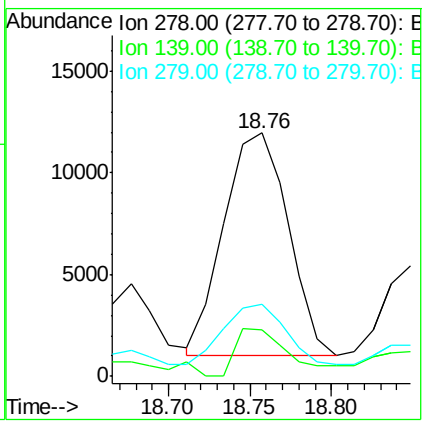

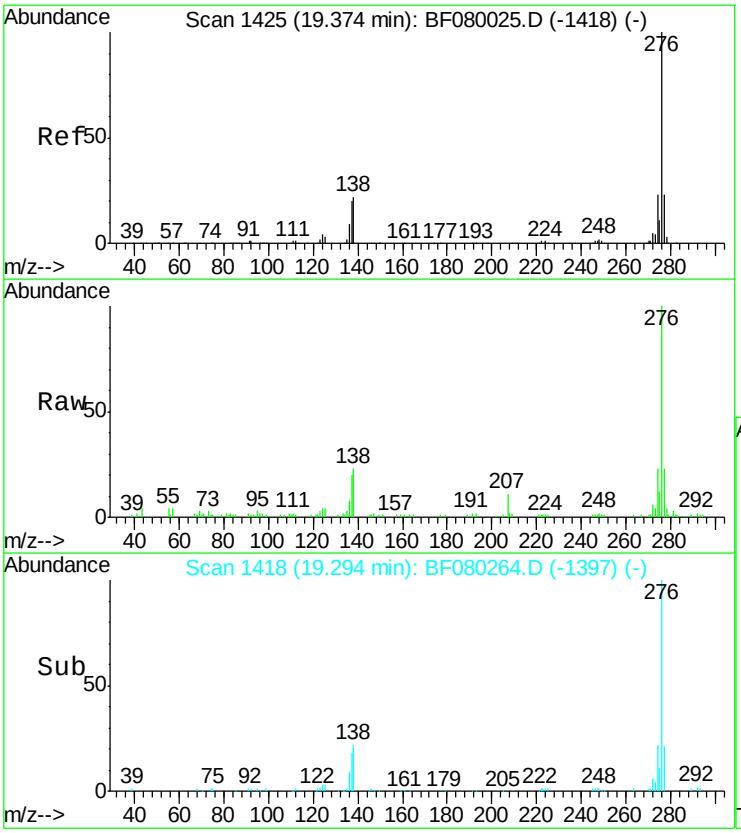

#91
Benzo(g,h,i)perylene
Concen: 12.23 ng
RT: 19.29 min Scan# 1418
Delta R.T. -0.06 min
Lab File: BF080264.D
Acq: 1 Jul 2015 8:22

Tgt Ion:276 Resp: 117853

Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.8	26.6
138	22.7	34.6	51.8#