Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093247.D
Acq On : 28 Feb 2017 14:36
Operator : SJ/MA
Sample : I2000-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
3/1/2017 4:05:59 PM

Quant Time: Feb 28 15:07:22 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	142745	20.00	ng		-0.05
21) Naphthalene-d8	8.09	136	526284	20.00	ng		-0.06
38) Acenaphthene-d10	9.85	164	240740	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	392220	20.00	ng		-0.05
75) Chrysene-d12	13.96	240	295755	20.00	ng		-0.06
86) Perylene-d12	15.39	264	295022	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	986161	118.52	ng		-0.03
7) Phenol-d6	6.46	99	1249531	116.72	ng		-0.02
23) Nitrobenzene-d5	7.38	82	755951	79.99	ng		-0.05
41) 2,4,6-Tribromophenol	10.64	330	183279	105.26	ng		-0.05
44) 2-Fluorobiphenyl	9.16	172	1169433	88.00	ng		-0.06
78) Terphenyl-d14	12.91	244	722313	57.39	ng		-0.06
Target Compounds							Qvalue
10) Phenol	6.48	94	45041	3.60	ng	#	73
31) Naphthalene	8.11	128	80612	3.02	ng	#	93
37) 2-Methylnaphthalene	8.81	142	70064	4.09	ng		96
49) Dimethylphthalate	9.56	163	97184	5.99	ng		99
51) Acenaphthene	9.87	154	30026	2.13	ng	#	87
57) Fluorene	10.38	166	36474	2.52	ng	#	81
70) Phenanthrene	11.36	178	220018	9.79	ng		98
71) Anthracene	11.40	178	48804	2.16	ng		98
74) Fluoranthene	12.54	202	181270	7.82	ng		92
77) Pyrene	12.76	202	214464	9.69	ng		98
80) Benzo(a)anthracene	13.95	228	98949	5.47	ng		97
82) Chrysene	14.00	228	77275m	4.56	ng		
85) Indeno(1,2,3-cd)pyrene	16.77	276	34480	2.63	ng		94
87) Benzo(b)fluoranthene	14.99	252	95945m	4.94	ng		
89) Benzo(a)pyrene	15.33	252	72835	4.34	ng	#	96
91) Benzo(g,h,i)perylene	17.20	276	37786	2.76	ng	#	91

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

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BNA_F
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SP-NORTH(0-2)

Manual Integrations APPROVED
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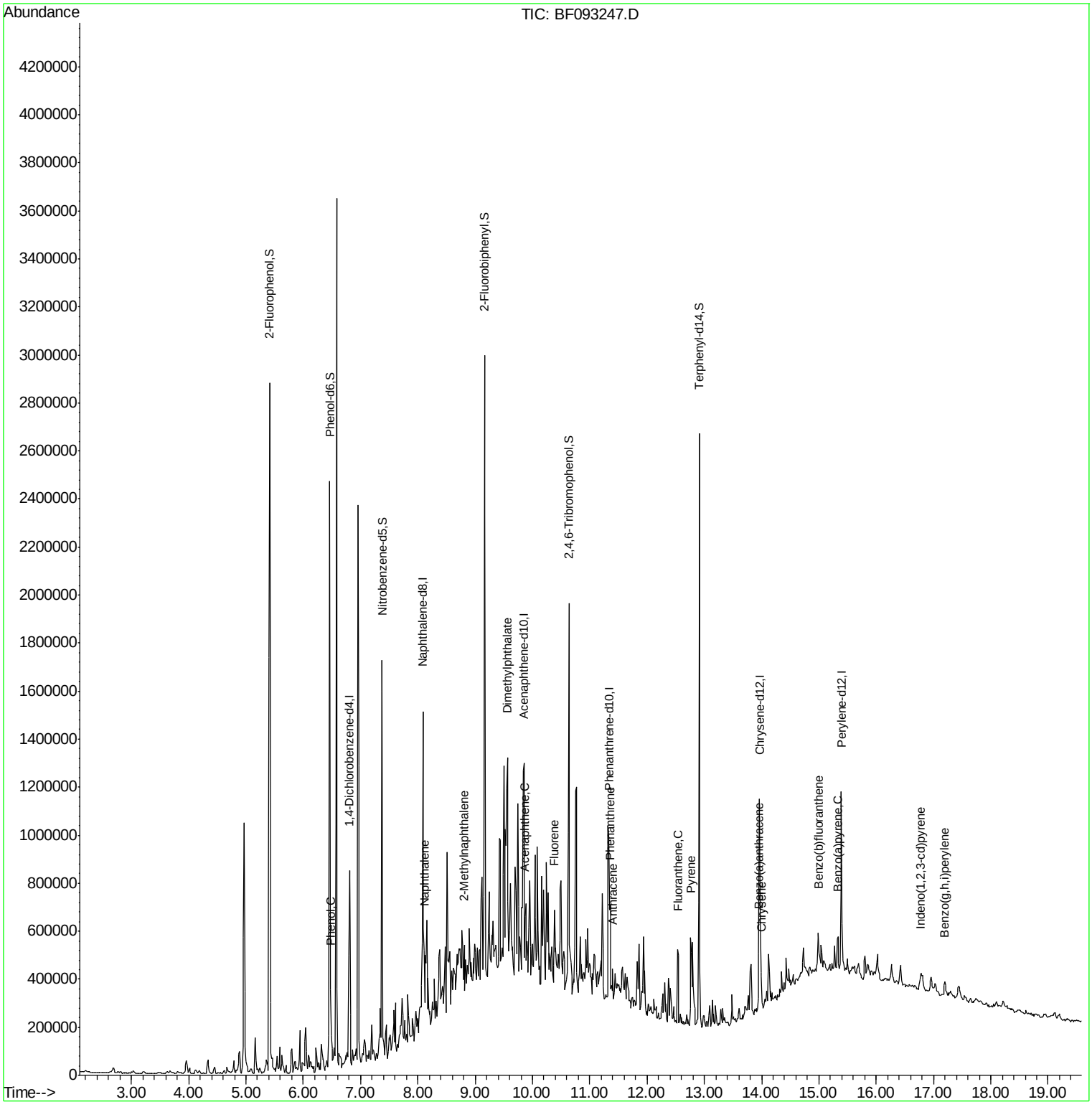
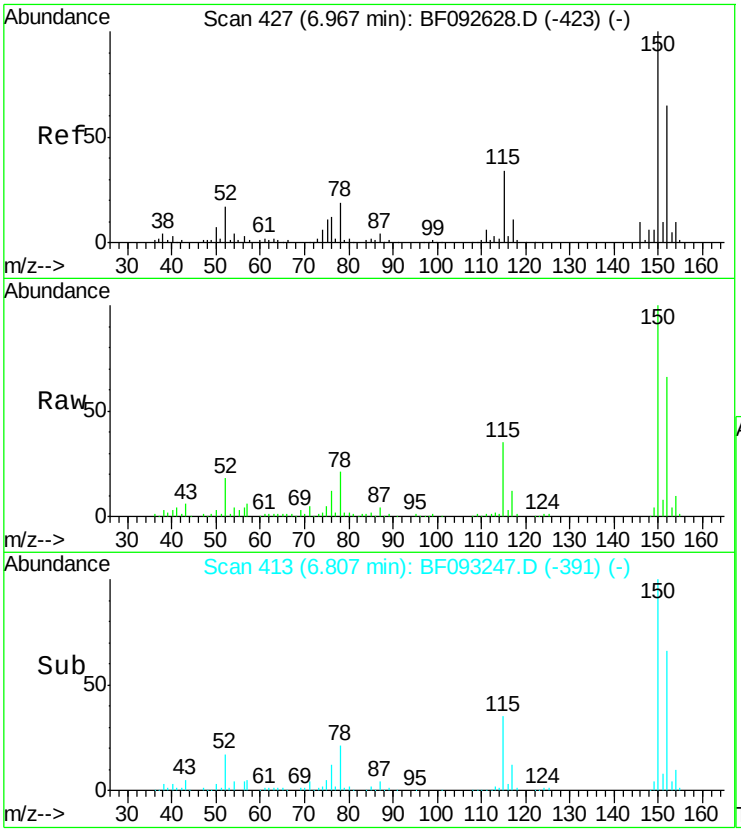
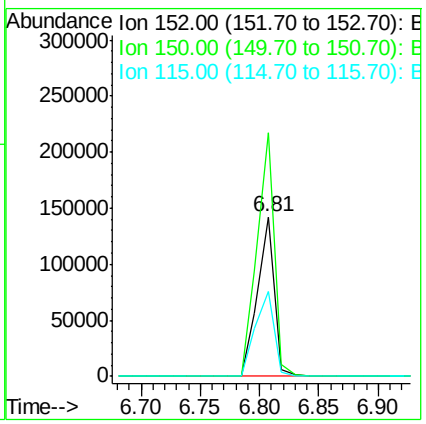




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:152 Resp: 142745

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.9	187.3
115	53.4	46.0	69.0



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

Manual Integrations APPROVED
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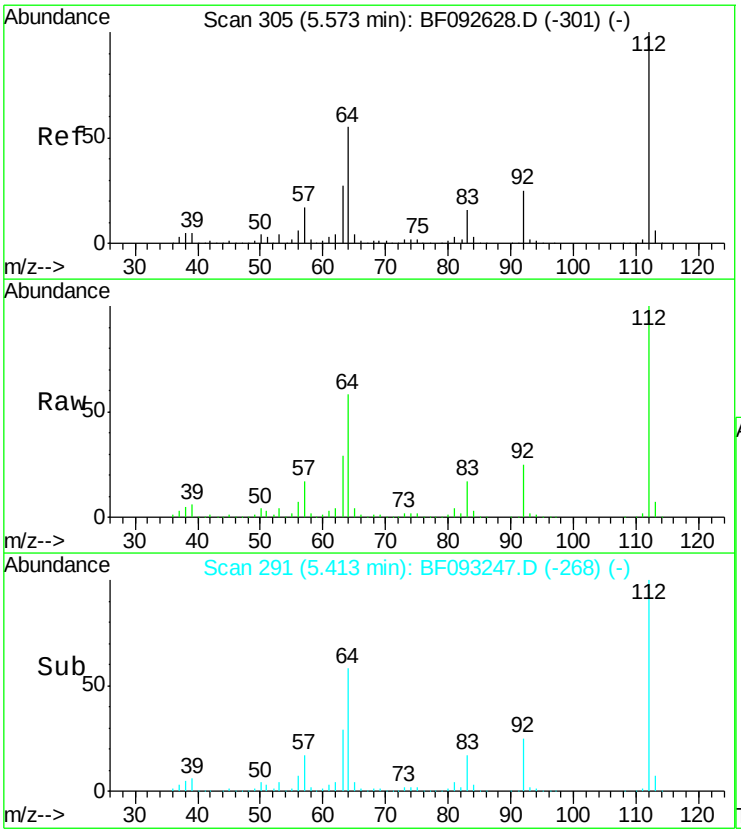
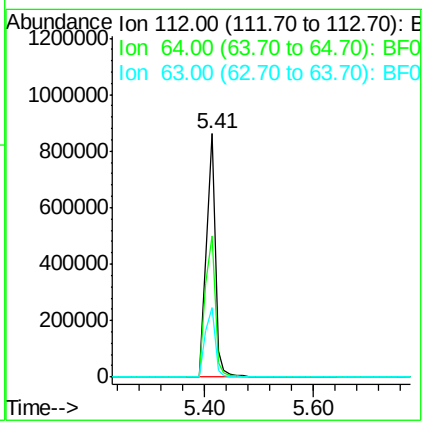
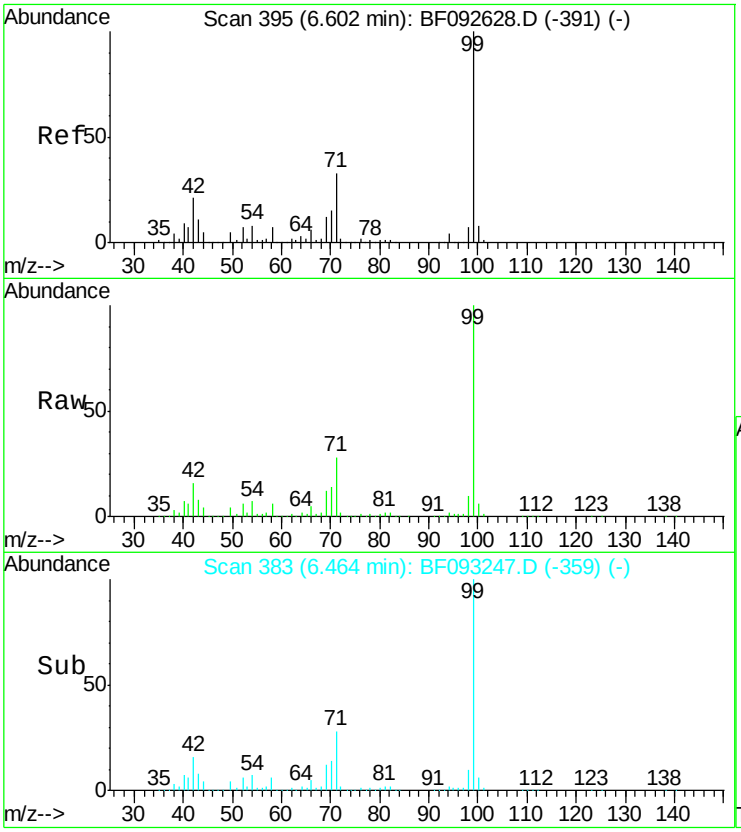


#5
2-Fluorophenol
Concen: 118.52 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:112 Resp: 986161

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.1	69.1
63	28.8	23.8	35.6

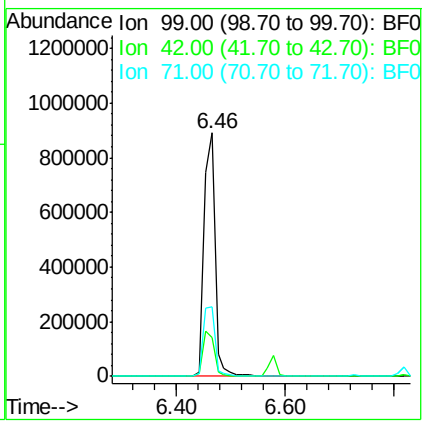




#7
Phenol-d6
Concen: 116.72 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion: 99 Resp: 1249531

Ion	Ratio	Lower	Upper
99	100		
42	15.9	15.6	23.4
71	28.4	27.5	41.3



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

Manual Integrations APPROVED
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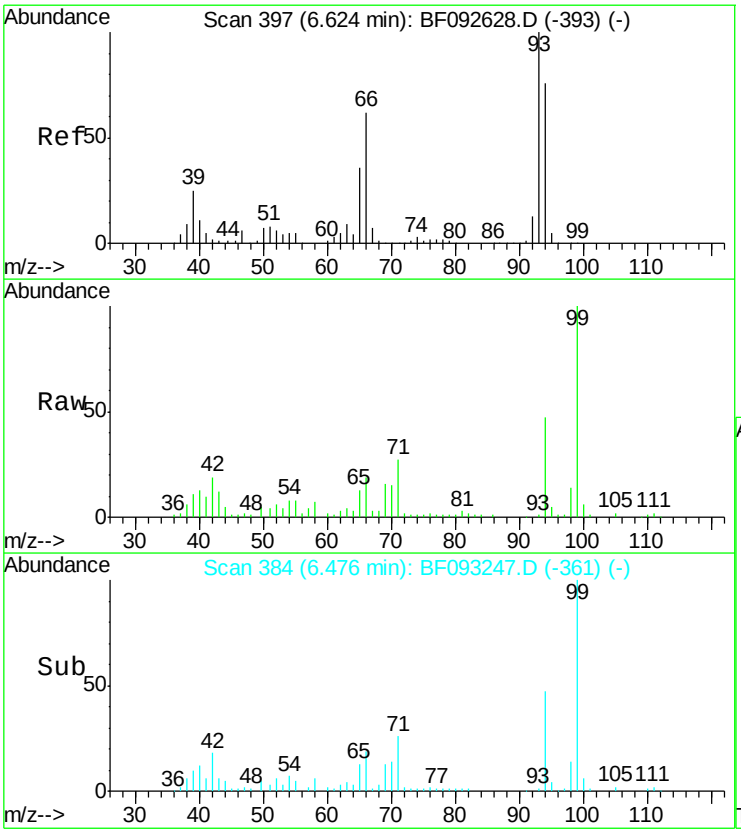
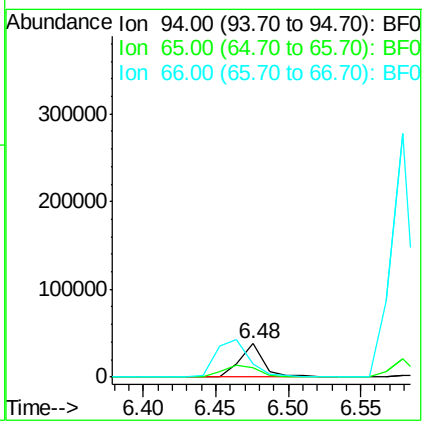
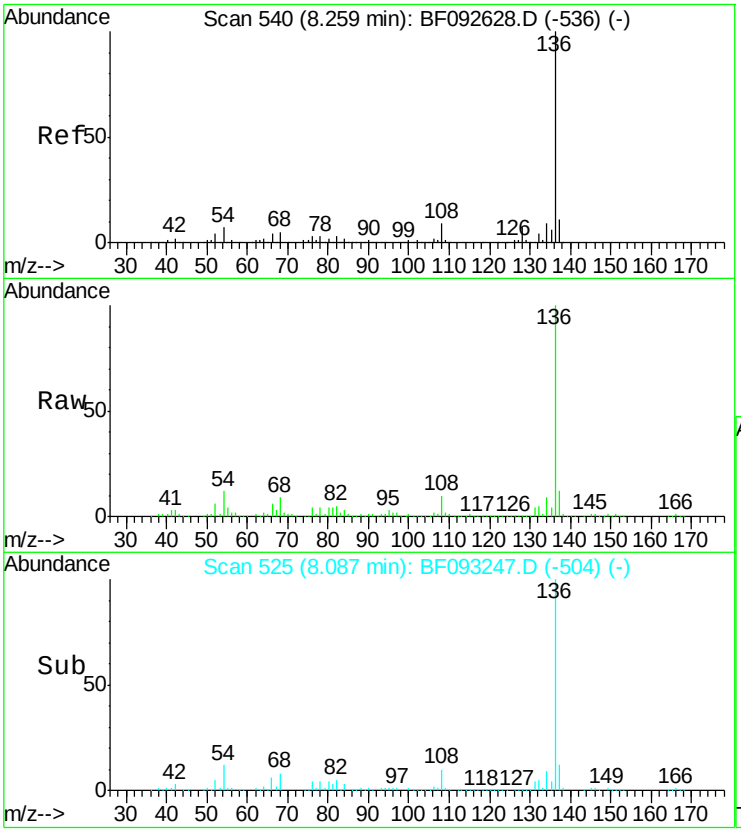


#10
Phenol
Concen: 3.60 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion: 94 Resp: 45041

Ion	Ratio	Lower	Upper
94	100		
65	26.8	21.4	61.4
66	40.7	44.0	84.0#

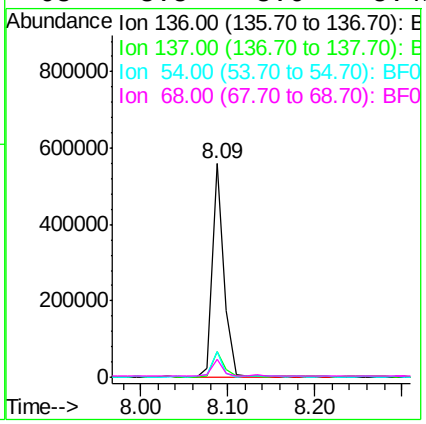




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:136 Resp: 526284

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.4	12.6
54	12.3	4.5	6.7#
68	8.5	3.6	5.4#



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

Manual Integrations APPROVED
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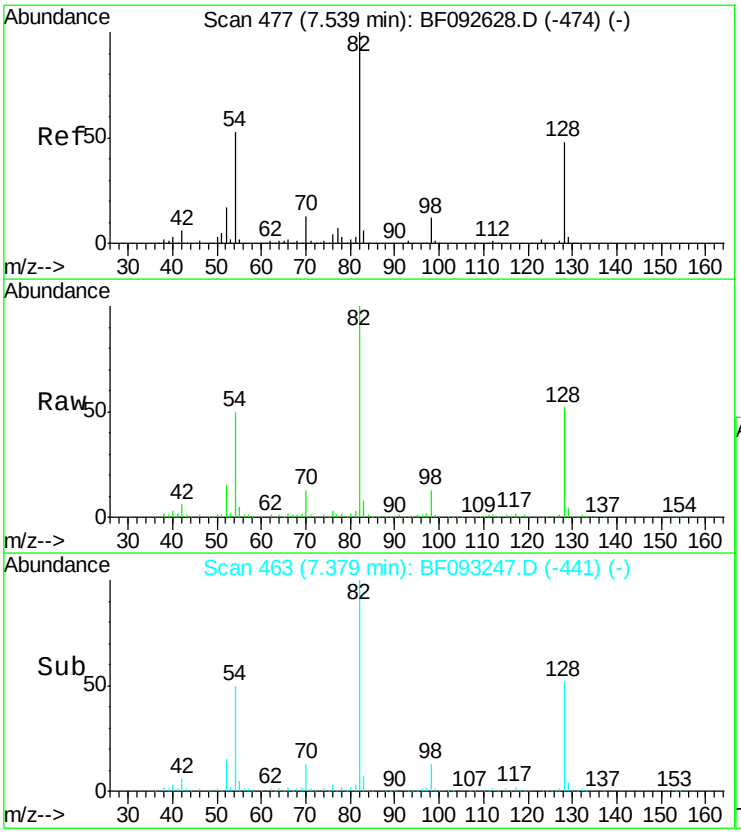
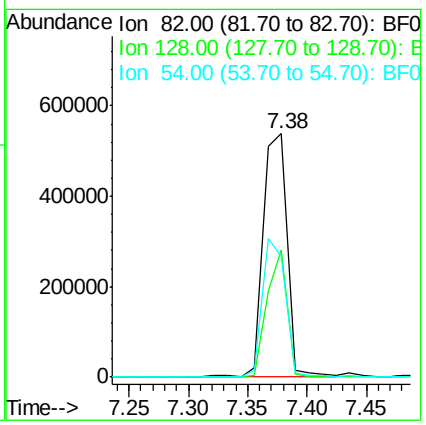
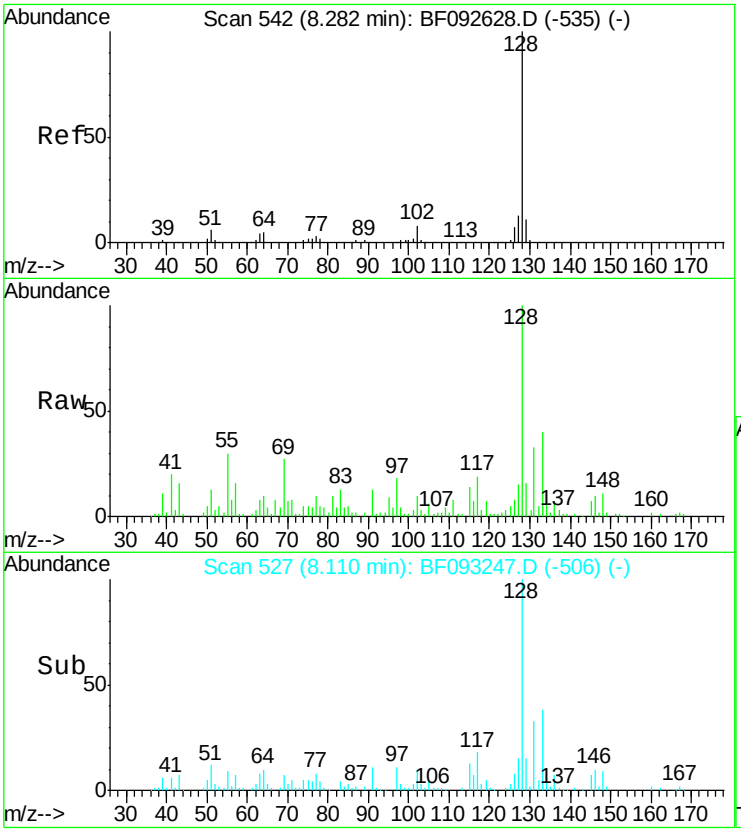


#23
Nitrobenzene-d5
Concen: 79.99 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion: 82 Resp: 755951

Ion	Ratio	Lower	Upper
82	100		
128	52.2	34.6	52.0#
54	49.7	39.5	59.3

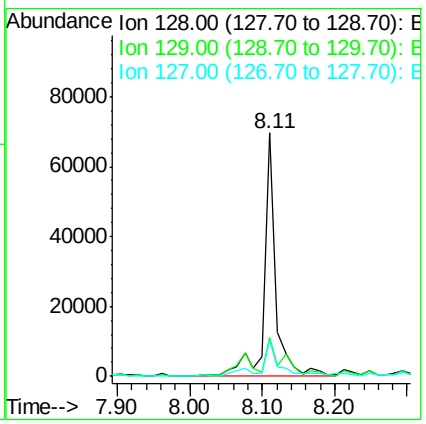




#31
Naphthalene
Concen: 3.02 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:128 Resp: 80612

Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.5	14.3#
127	14.9	10.8	16.2



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

Manual Integrations APPROVED
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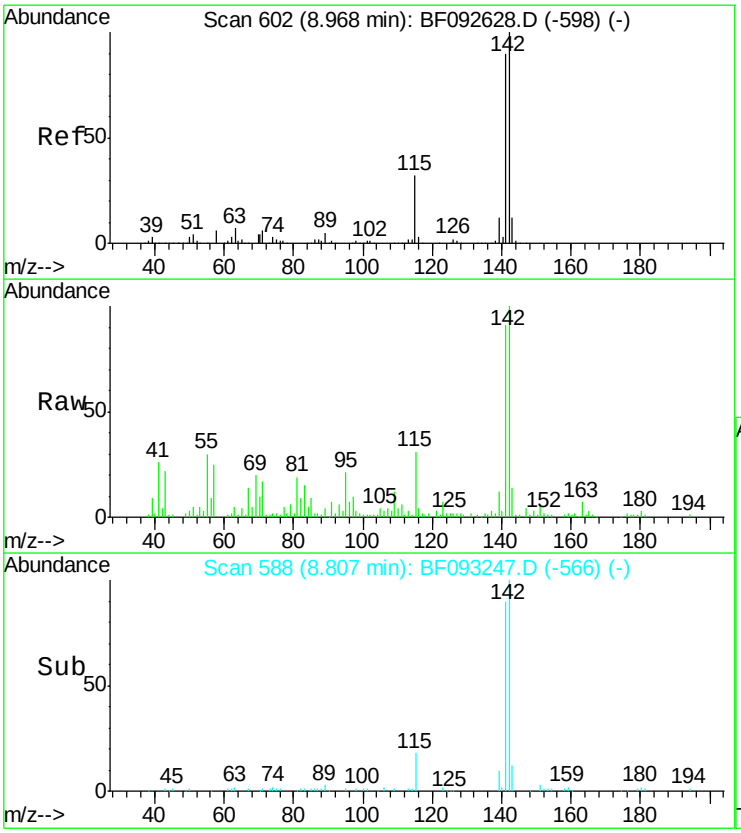
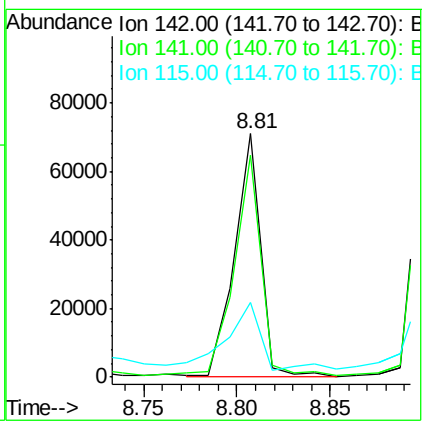
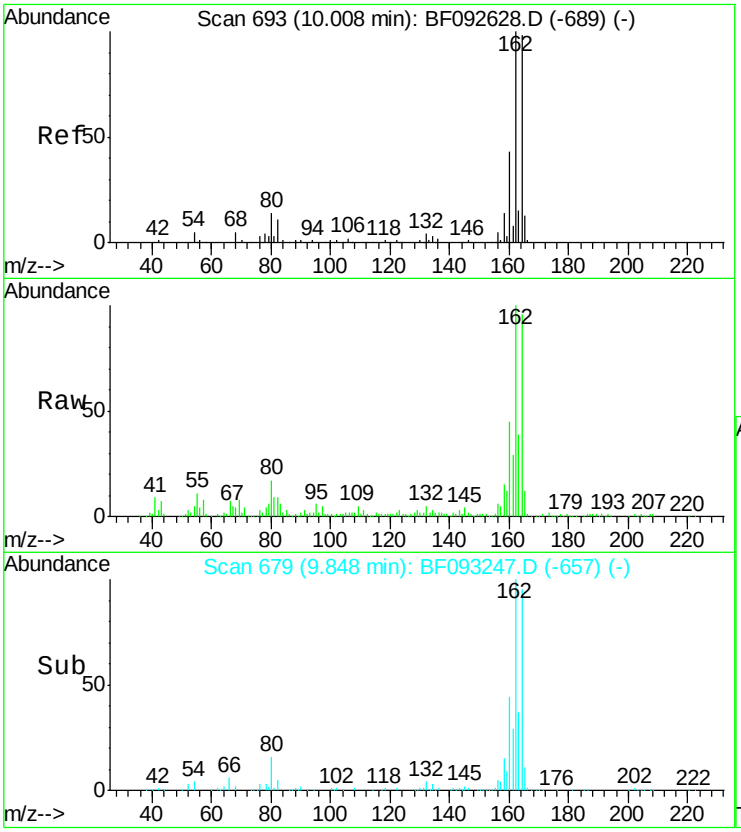


#37
2-Methylnaphthalene
Concen: 4.09 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:142 Resp: 70064

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.0	106.6
115	30.5	28.3	42.5

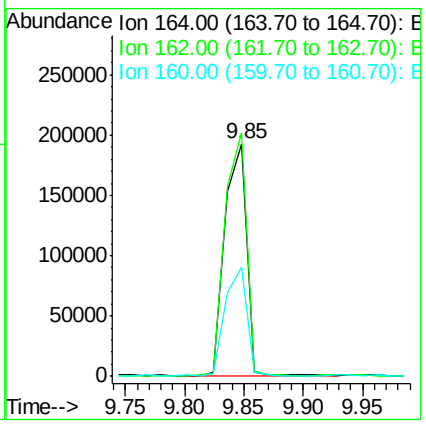




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:164 Resp: 240740

Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.2	120.2
160	46.9	36.9	55.3



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

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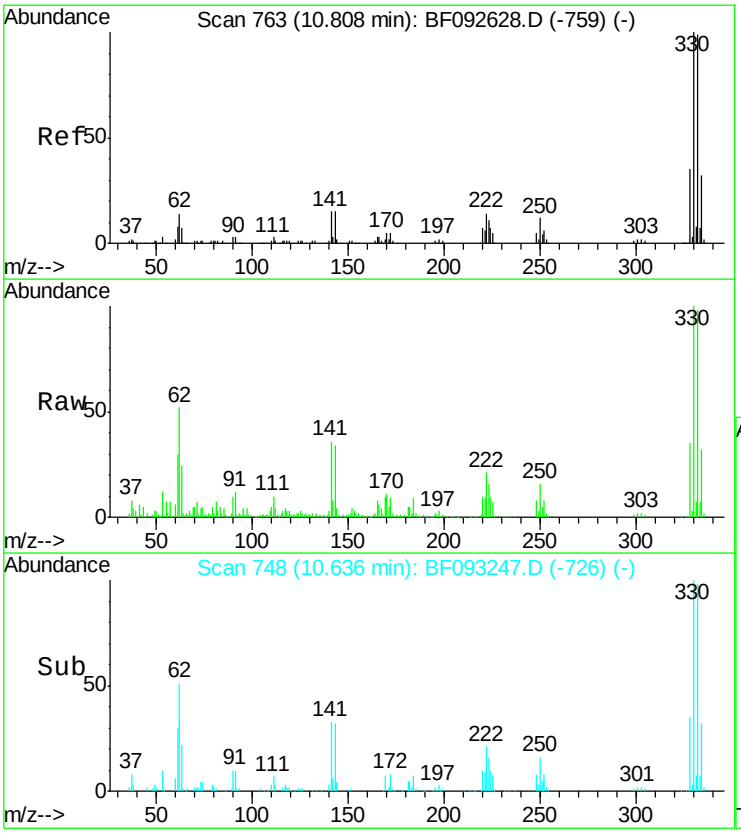
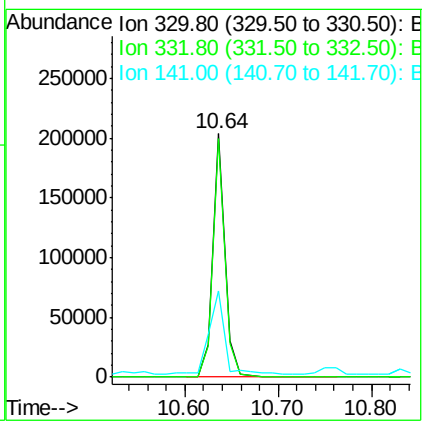
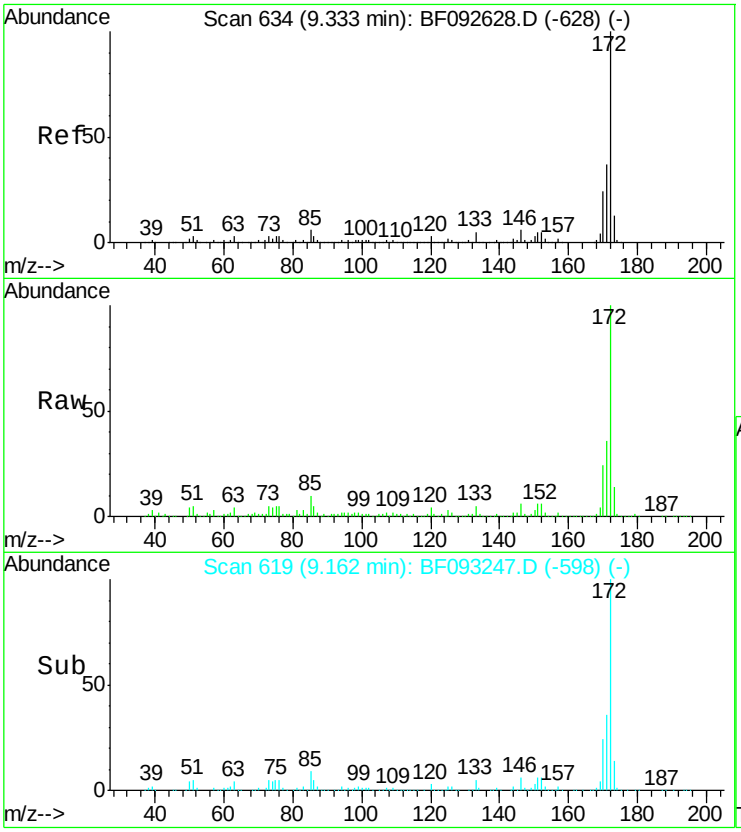


#41
2,4,6-Tribromophenol
Concen: 105.26 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:330 Resp: 183279

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.2
141	44.9	34.1	51.1

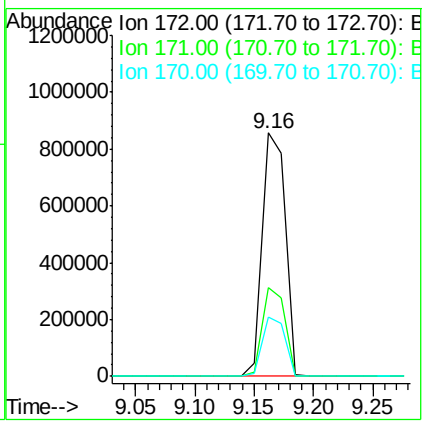




#44
2-Fluorobiphenyl
Concen: 88.00 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:172 Resp: 1169433

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.2	20.2	30.4



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

Manual Integrations APPROVED
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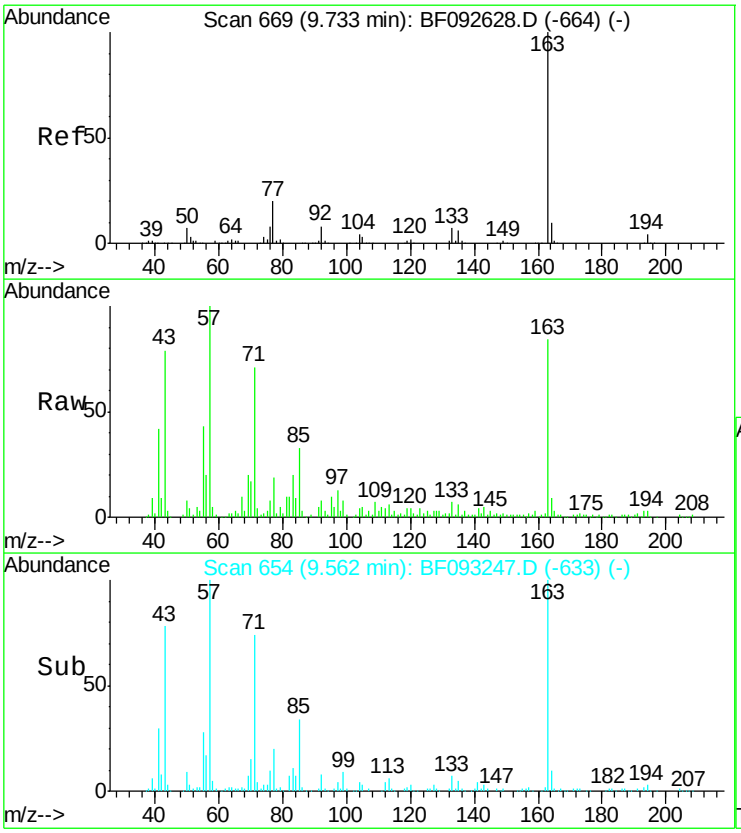
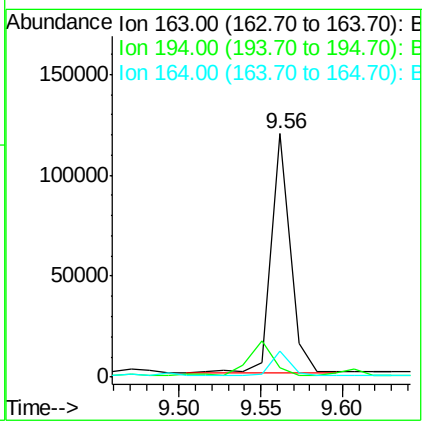
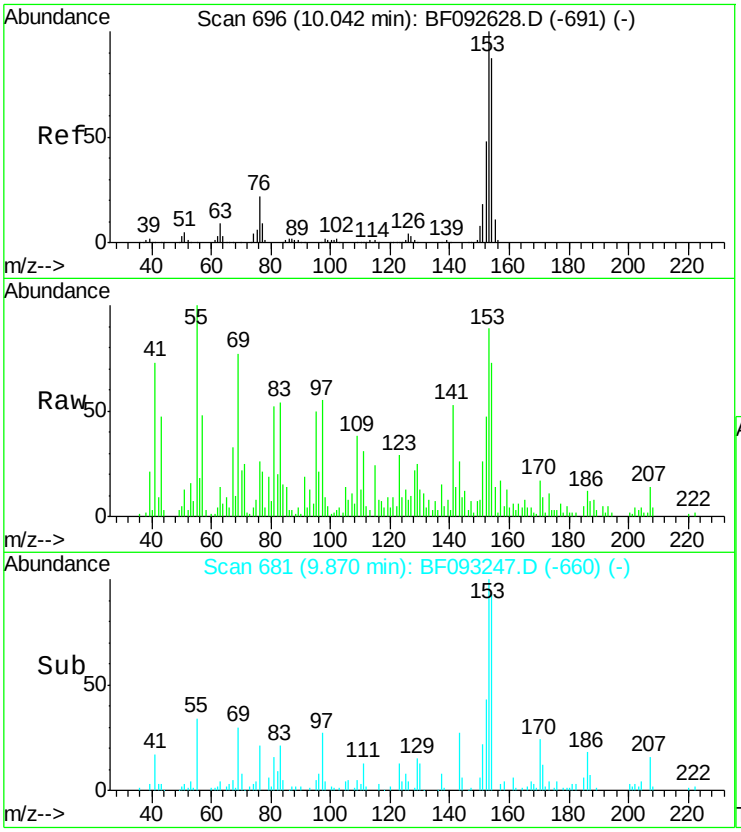


#49
Dimethylphthalate
Concen: 5.99 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:163 Resp: 97184

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	10.6	8.0	12.0

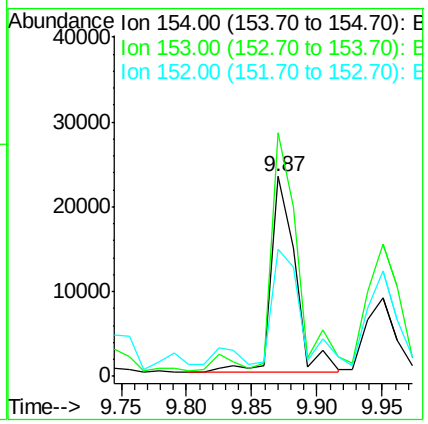




#51
Acenaphthene
Concen: 2.13 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:154 Resp: 30026

Ion	Ratio	Lower	Upper
154	100		
153	122.0	88.6	133.0
152	63.9	41.6	62.4#



Instrument :
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SP-NORTH(0-2)

Manual Integrations APPROVED
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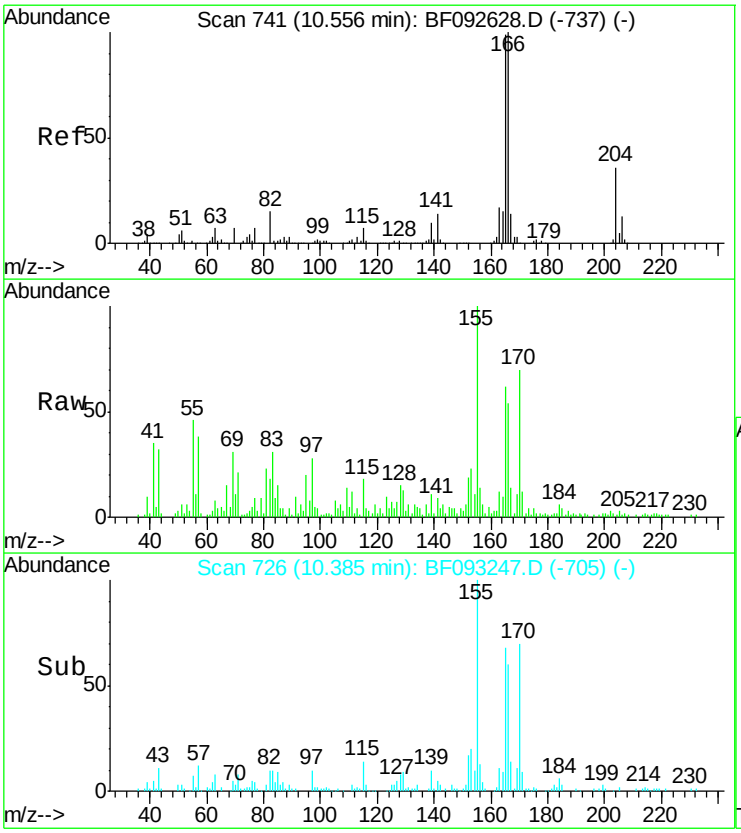
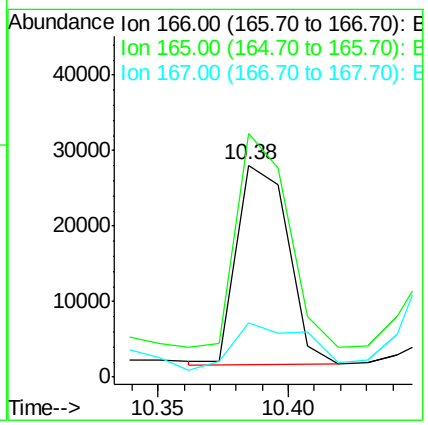
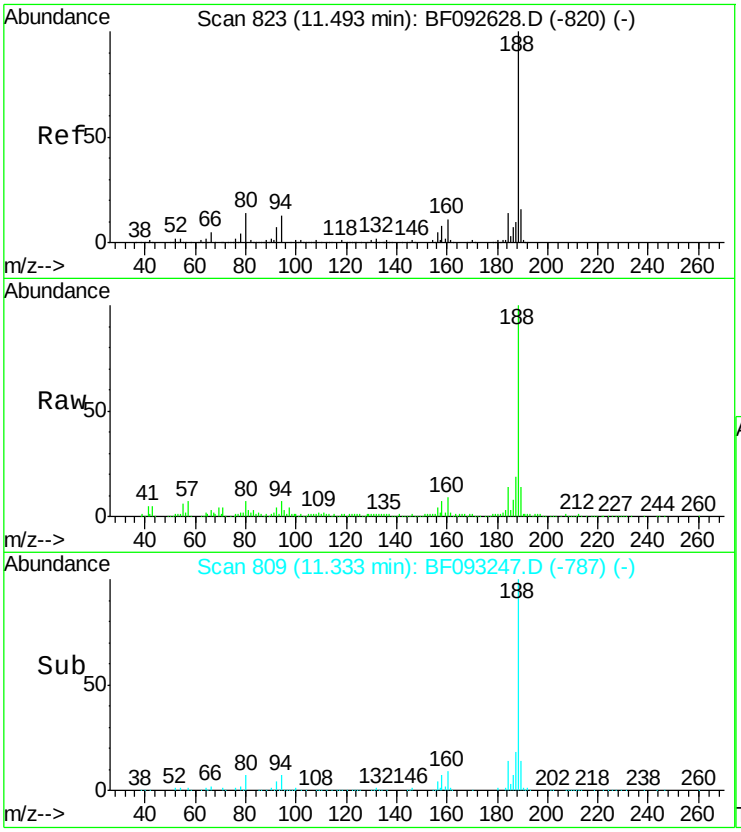


#57
Fluorene
Concen: 2.52 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:166 Resp: 36474

Ion	Ratio	Lower	Upper
166	100		
165	114.9	77.8	116.8
167	25.8	10.8	16.2#

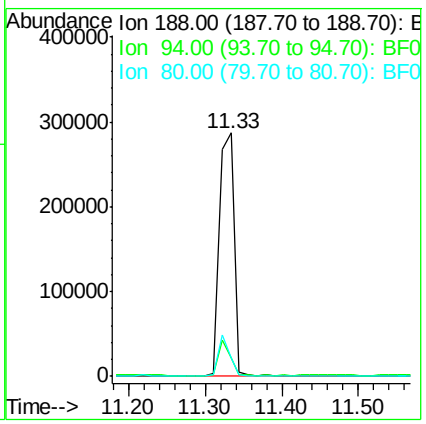




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:188 Resp: 392220

Ion	Ratio	Lower	Upper
188	100		
94	7.3	10.0	15.0#
80	7.5	11.2	16.8#



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

Manual Integrations APPROVED
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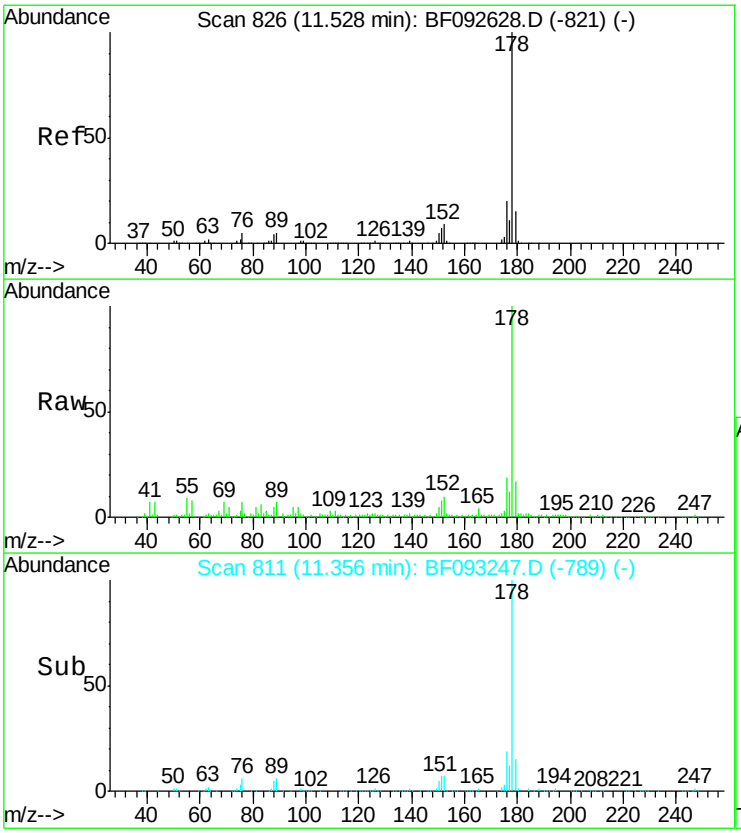
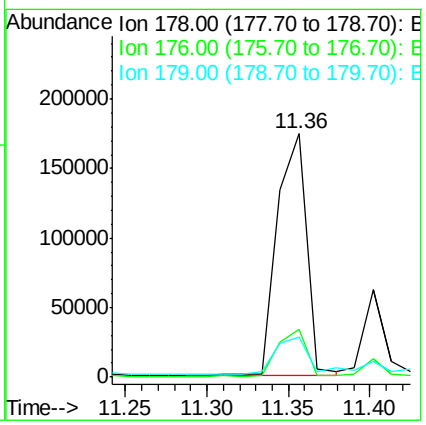
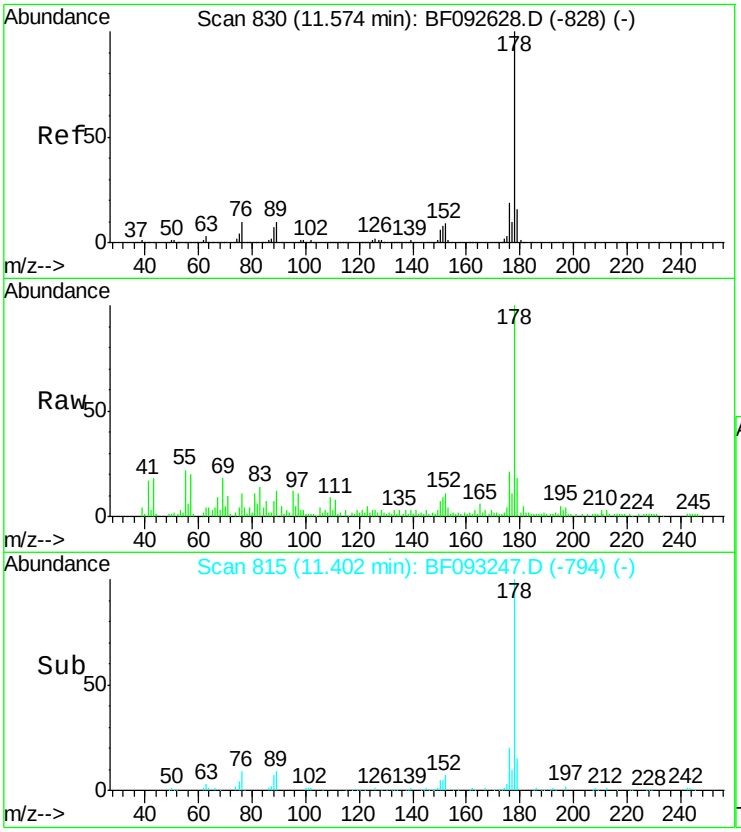


#70
Phenanthrene
Concen: 9.79 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:178 Resp: 220018

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	16.6	12.8	19.2

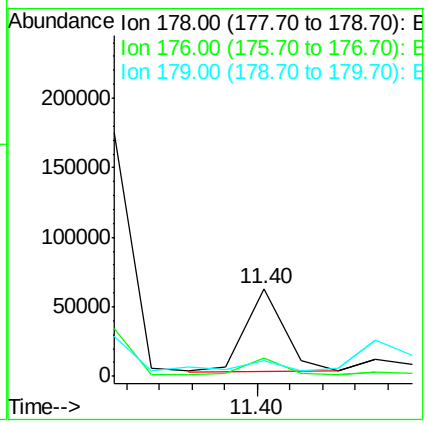




#71
Anthracene
Concen: 2.16 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:178 Resp: 48804

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.9	23.9
179	17.7	13.2	19.8



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

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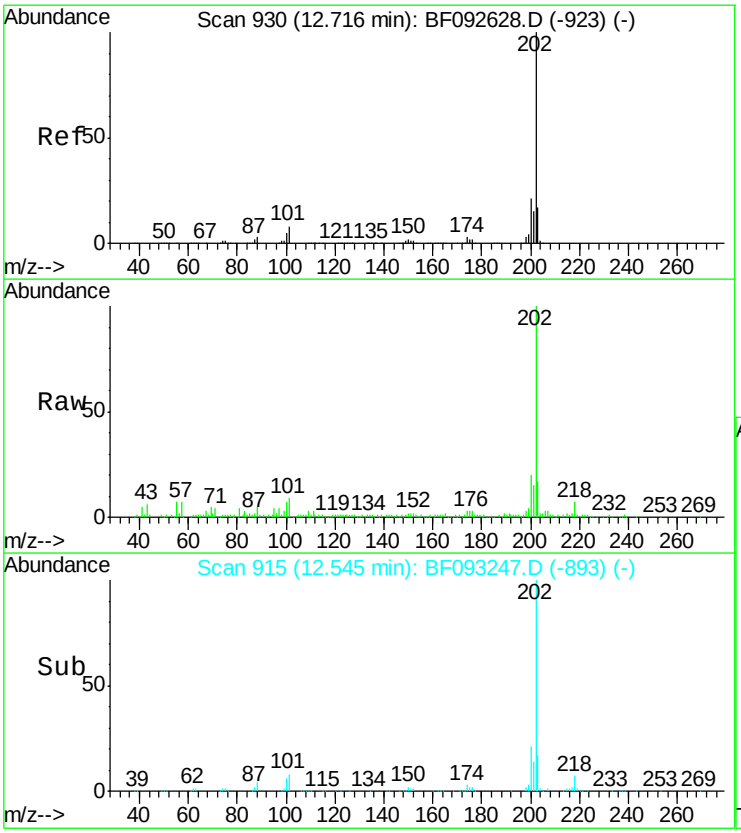
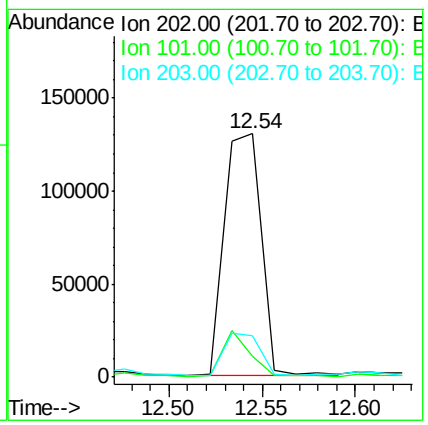
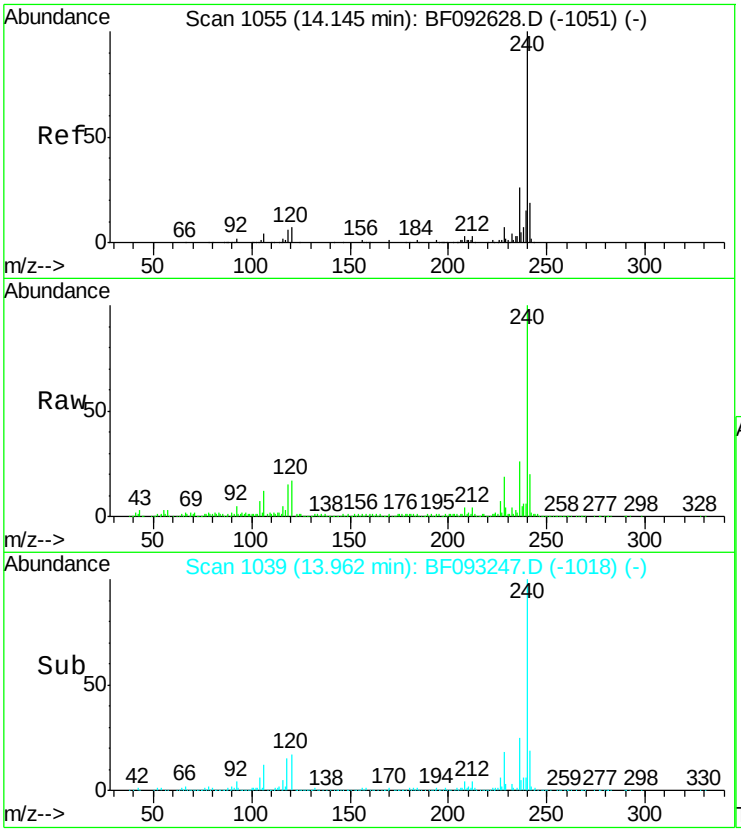


#74
Fluoranthene
Concen: 7.82 ng
RT: 12.54 min Scan# 915
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:202 Resp: 181270

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	34.6
203	17.2	0.0	38.7

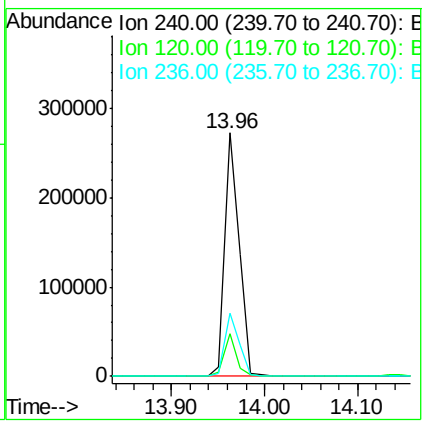




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:240 Resp: 295755

Ion	Ratio	Lower	Upper
240	100		
120	17.3	12.9	19.3
236	25.8	20.9	31.3



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

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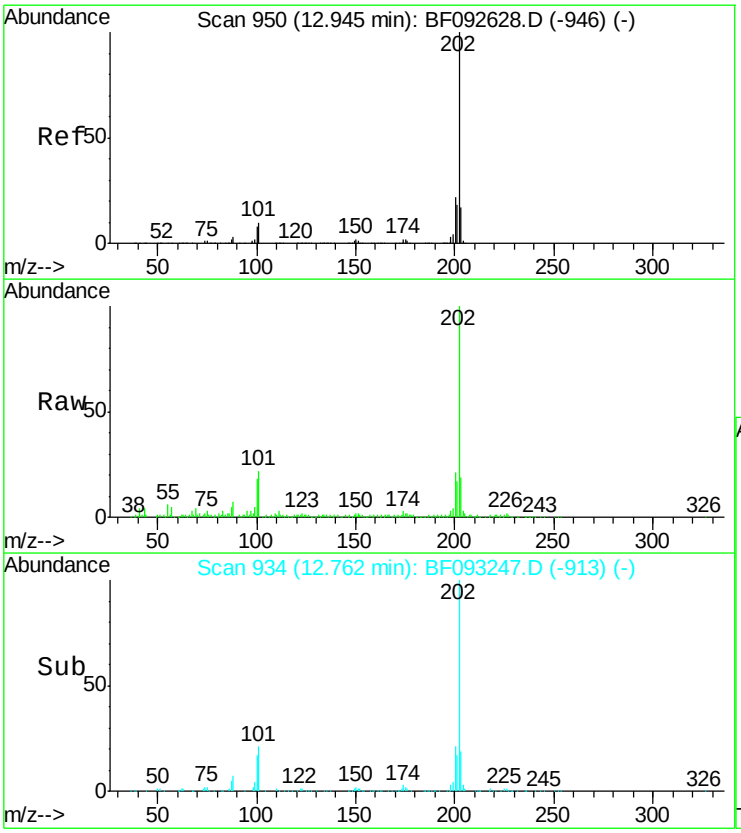
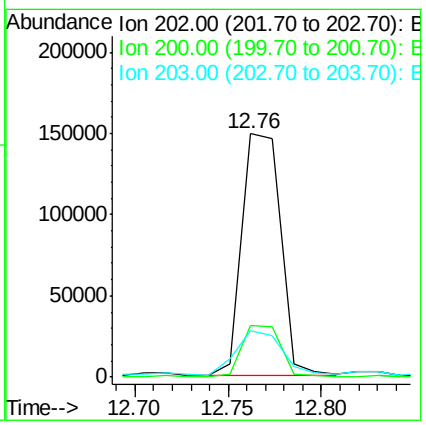
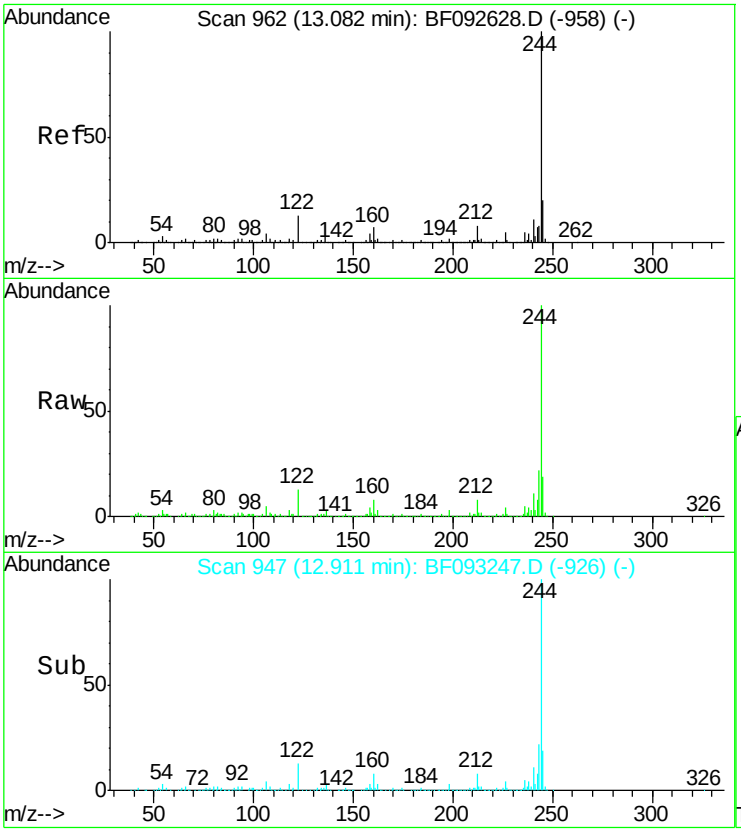


#77
Pyrene
Concen: 9.69 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:202 Resp: 214464

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	19.3	14.7	22.1

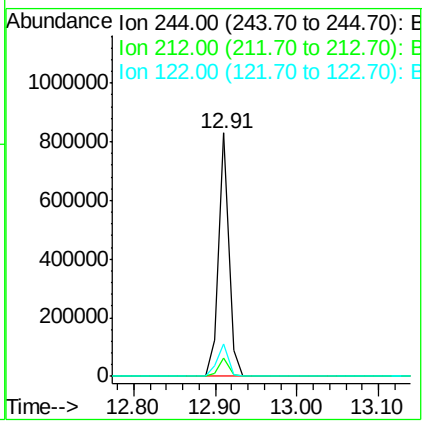




#78
Terphenyl-d14
Concen: 57.39 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:244 Resp: 722313

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	13.5	11.4	17.2



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

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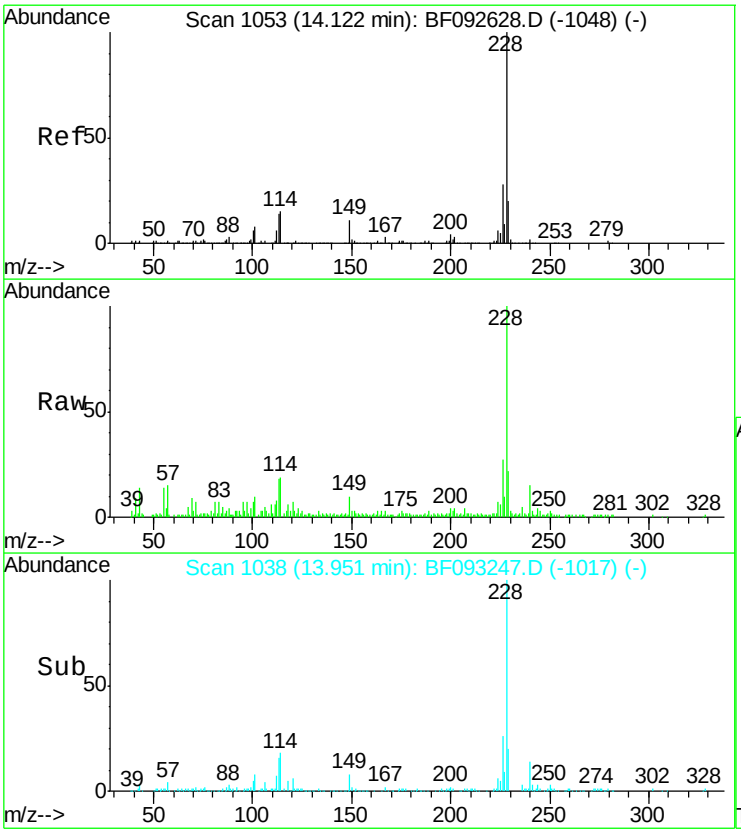
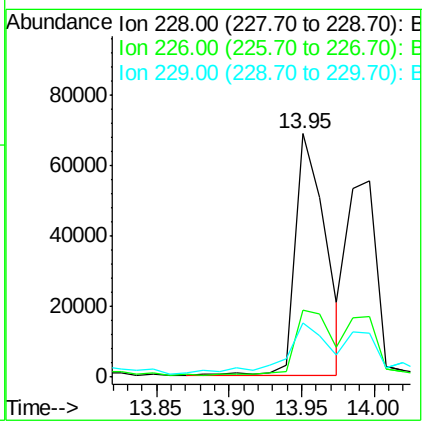
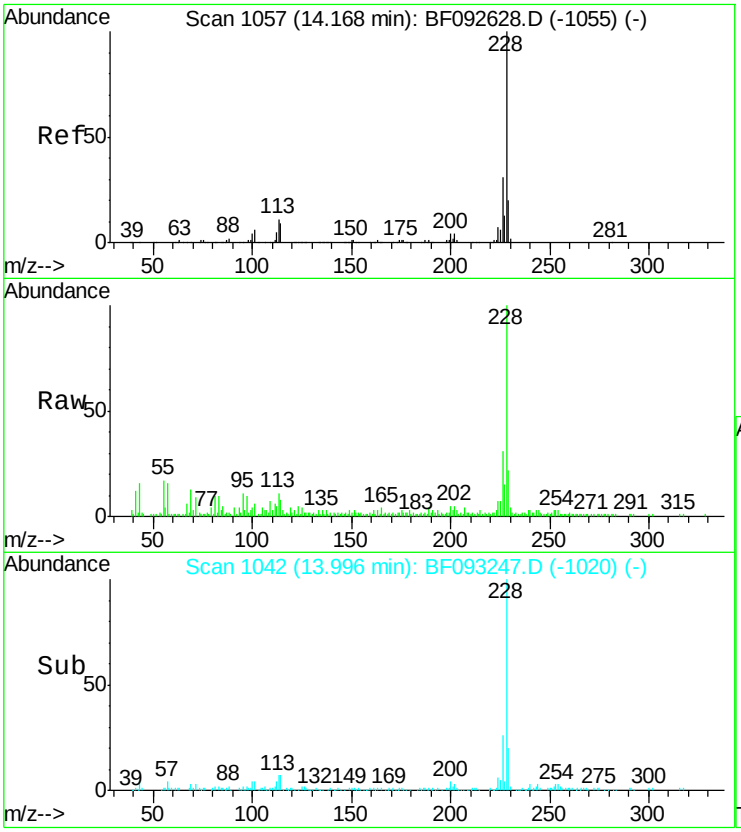


#80
Benzo(a)anthracene
Concen: 5.47 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:228 Resp: 98949

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.4	33.6
229	22.4	16.2	24.4

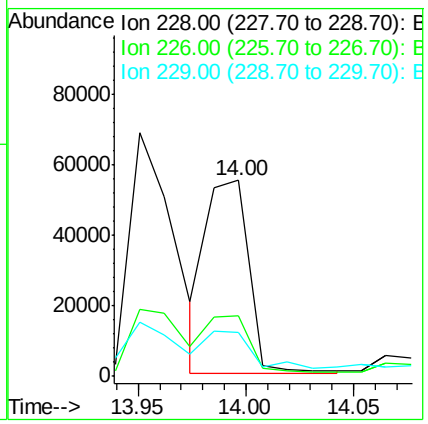




#82
Chrysene
Concen: 4.56 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:228 Resp: 77275

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	22.5	16.2	24.2



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

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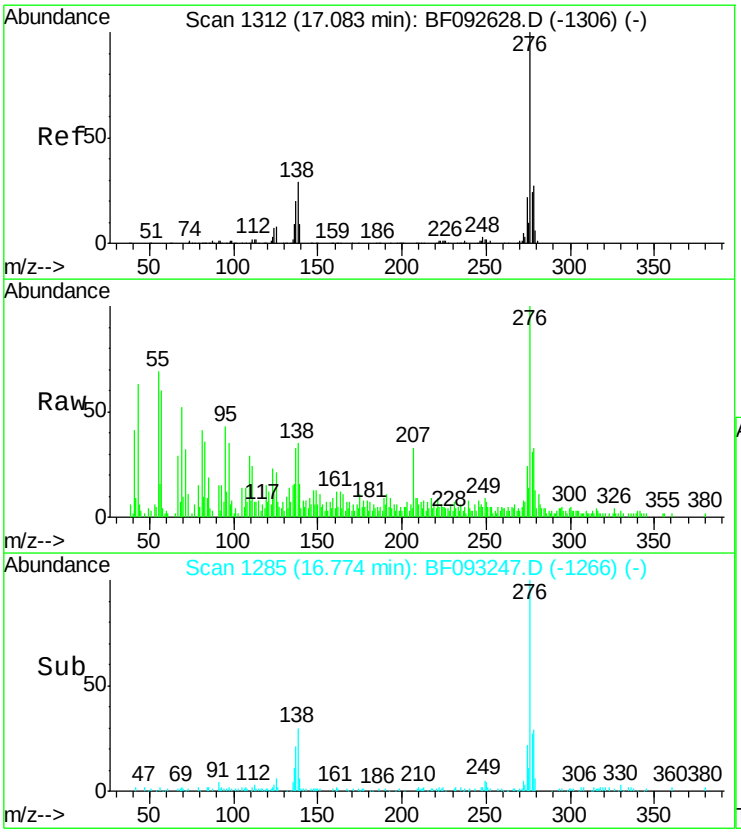
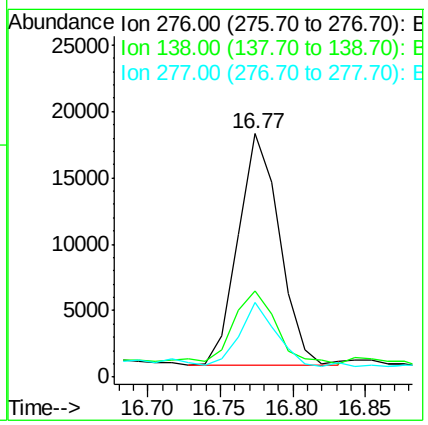
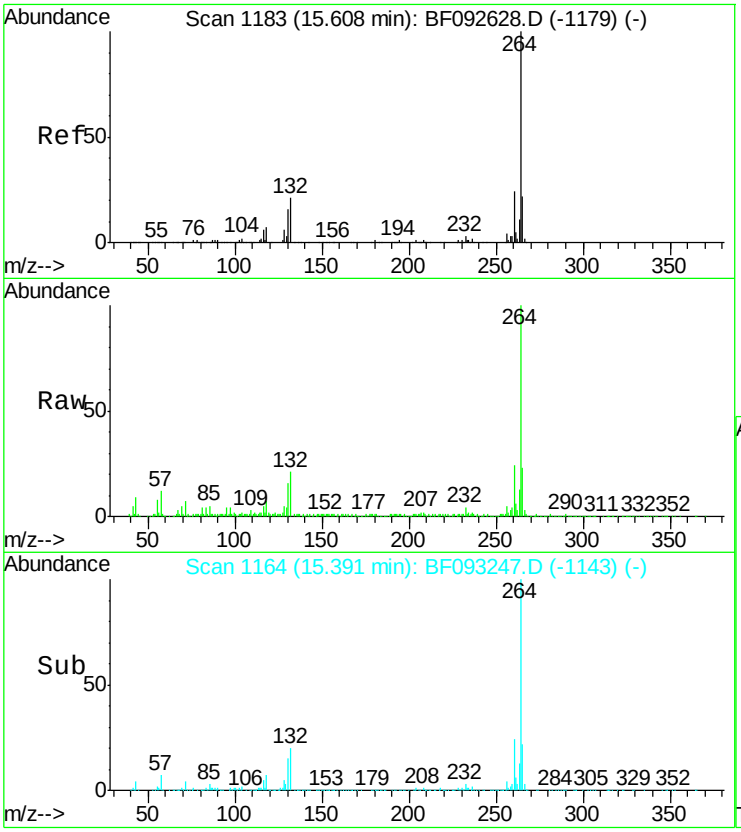


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.63 ng
RT: 16.77 min Scan# 1285
Delta R.T. -0.08 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:276 Resp: 34480

Ion	Ratio	Lower	Upper
276	100		
138	32.3	21.8	32.6
277	24.0	20.2	30.4

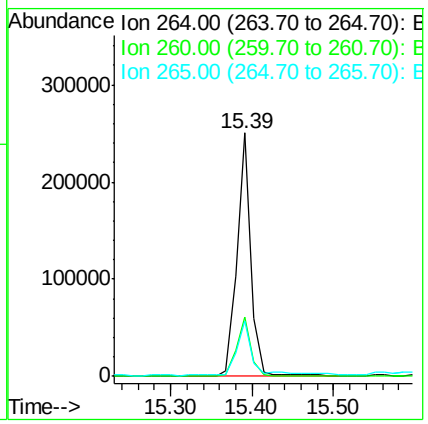




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:264 Resp: 295022

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.5	17.4	26.0



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

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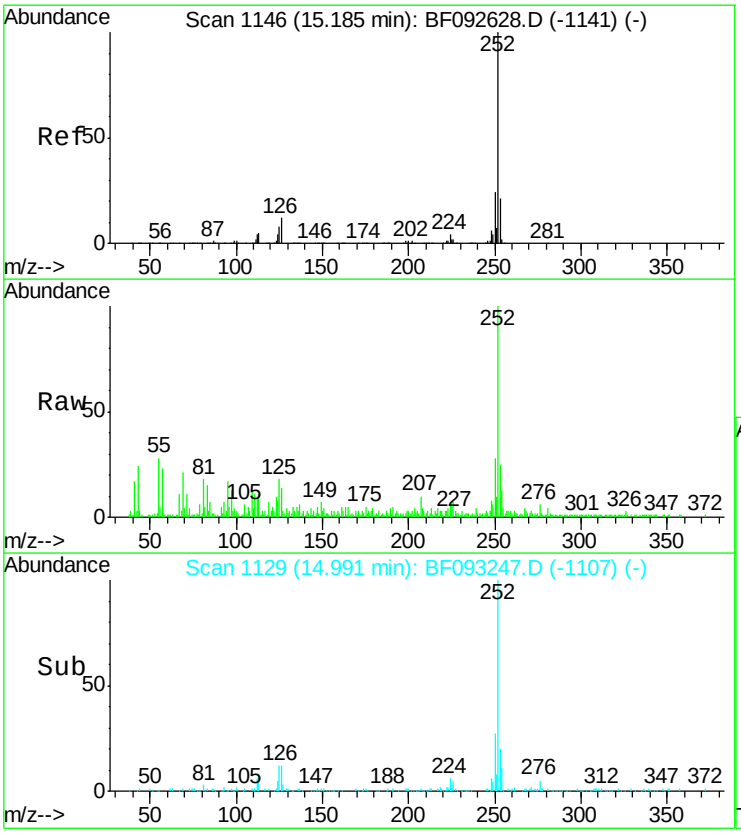
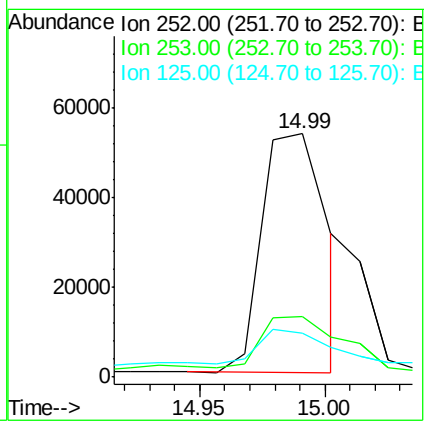
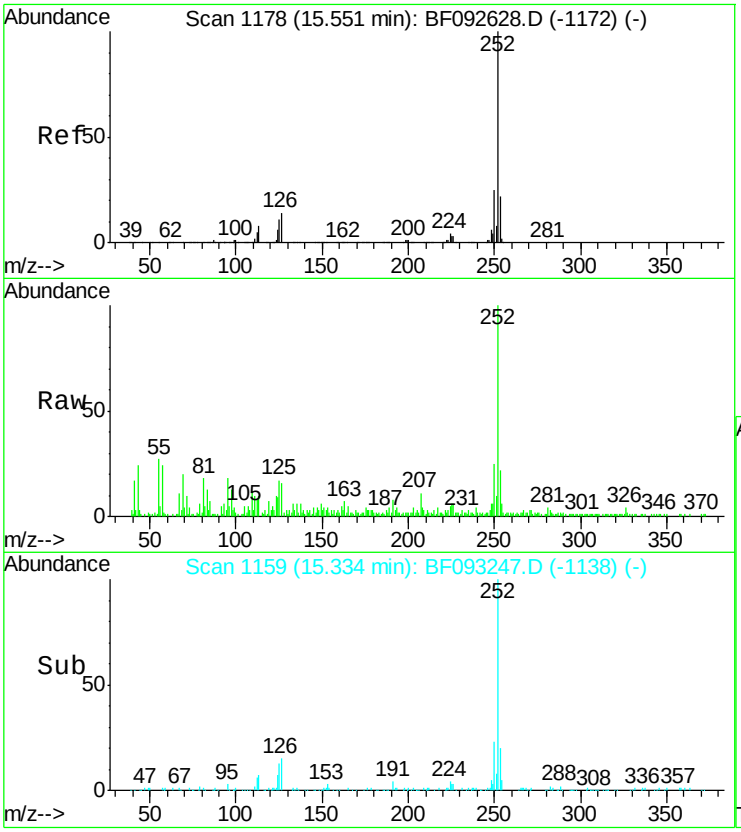


#87
Benzo(b)fluoranthene
Concen: 4.94 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:252 Resp: 95945

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	18.2	9.8	14.6#





#89
Benzo(a)pyrene
Concen: 4.34 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:252 Resp: 72835

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	16.8	10.0	15.0#

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

Manual Integrations APPROVED
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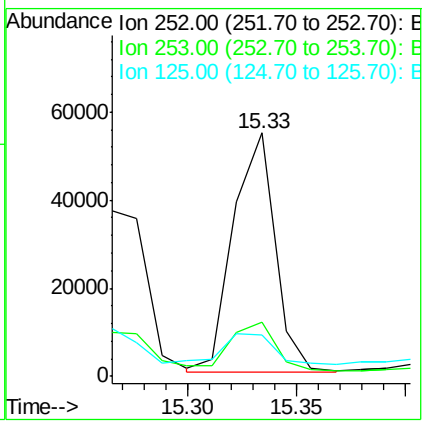

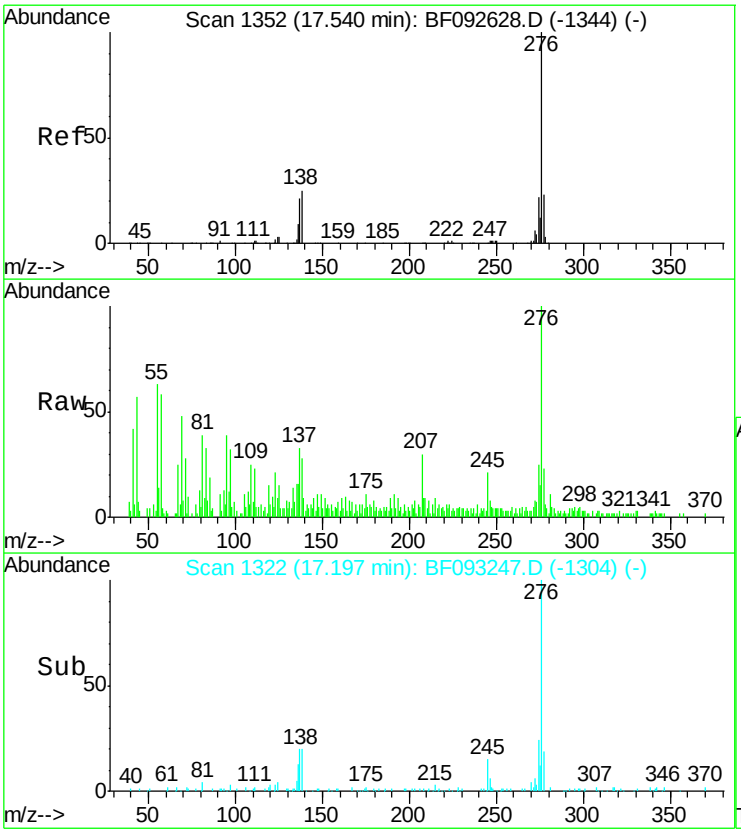

#91
Benzo(g,h,i)perylene
Concen: 2.76 ng
RT: 17.20 min Scan# 1322
Delta R.T. -0.09 min
Lab File: BF093247.D
Acq: 28 Feb 2017 14:36

Tgt Ion:276 Resp: 37786

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	27.9	16.0	24.0#