Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093167.D
Acq On : 25 Feb 2017 1:50
Operator : SJ/MA
Sample : I1954-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

Manual Integrations APPROVED
mohammad
2/27/2017 1:07:50 PM

Quant Time: Feb 27 10:18:09 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	6.83	152	163559	20.00	ng		-0.02
21) Naphthalene-d8	8.12	136	642357	20.00	ng		-0.02
38) Acenaphthene-d10	9.87	164	271009	20.00	ng		-0.02
63) Phenanthrene-d10	11.36	188	477442	20.00	ng		-0.02
75) Chrysene-d12	14.01	240	307671	20.00	ng		-0.01
86) Perylene-d12	15.44	264	325109	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	952188	99.88	ng		-0.02
7) Phenol-d6	6.48	99	1367572	111.49	ng		-0.01
23) Nitrobenzene-d5	7.40	82	723968	62.76	ng		-0.02
41) 2,4,6-Tribromophenol	10.67	330	240350	122.62	ng		-0.01
44) 2-Fluorobiphenyl	9.20	172	1173338	78.44	ng		-0.02
78) Terphenyl-d14	12.95	244	801088	61.18	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.49	94	29724	2.07	ng	#	68
49) Dimethylphthalate	9.60	163	329366	18.04	ng		99
51) Acenaphthene	9.90	154	44043	2.78	ng		94
57) Fluorene	10.42	166	42251	2.59	ng	#	98
70) Phenanthrene	11.39	178	890342	32.55	ng		97
71) Anthracene	11.44	178	189090	6.88	ng		98
74) Fluoranthene	12.58	202	1217527	43.15	ng		96
77) Pyrene	12.81	202	1332281	57.86	ng		99
80) Benzo(a)anthracene	14.00	228	617704	32.83	ng		99
82) Chrysene	14.03	228	548670	31.14	ng		97
85) Indeno(1,2,3-cd)pyrene	16.84	276	271601	19.90	ng		93
87) Benzo(b)fluoranthene	15.03	252	579014m	27.06	ng		
88) Benzo(k)fluoranthene	15.04	252	243704m	13.19	ng		
89) Benzo(a)pyrene	15.38	252	491433	26.55	ng		99
90) Dibenzo(a,h)anthracene	16.84	278	79609m	5.32	ng		
91) Benzo(g,h,i)perylene	17.27	276	283921	18.79	ng	#	91

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

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Manual Integrations APPROVED
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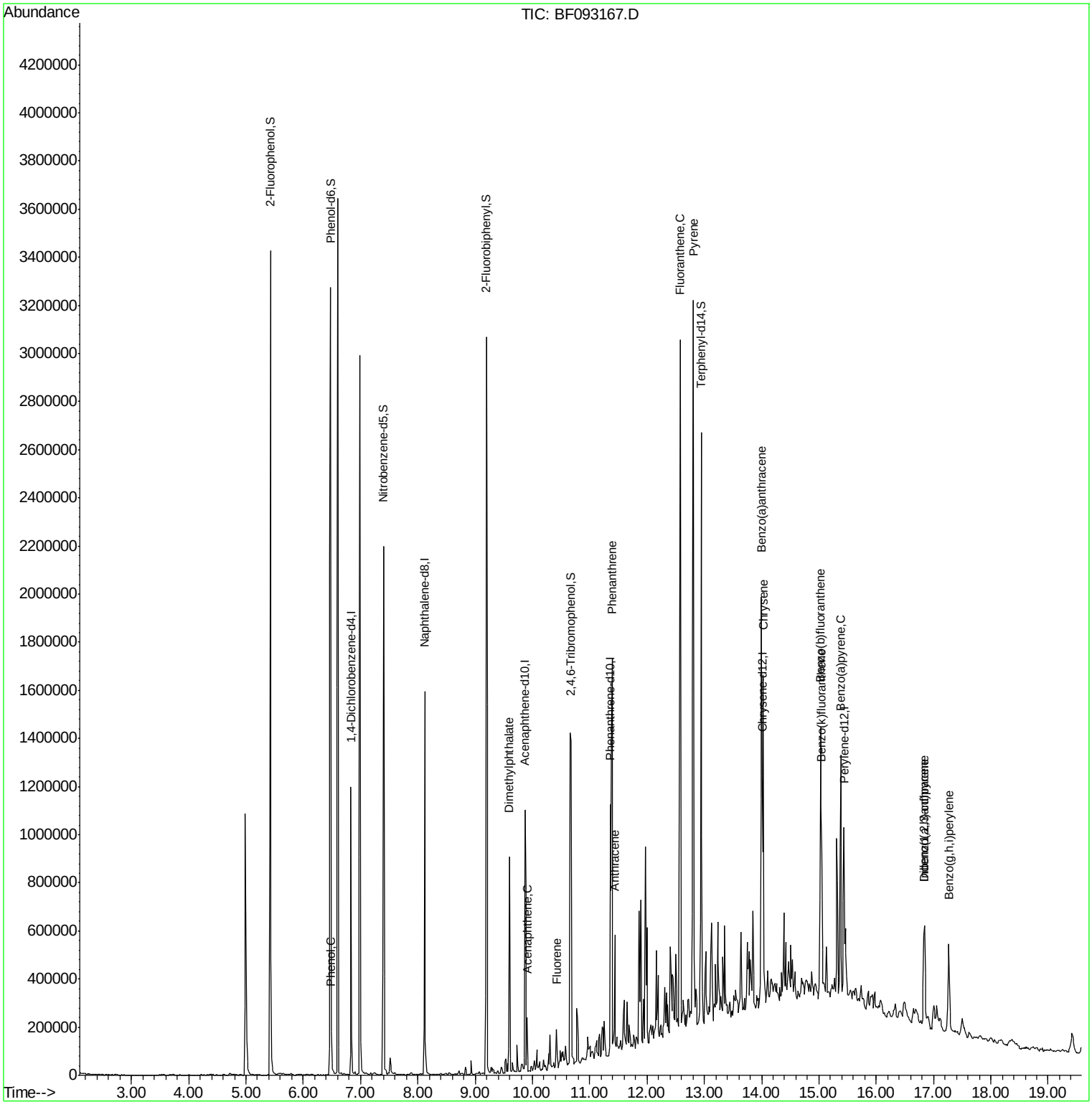
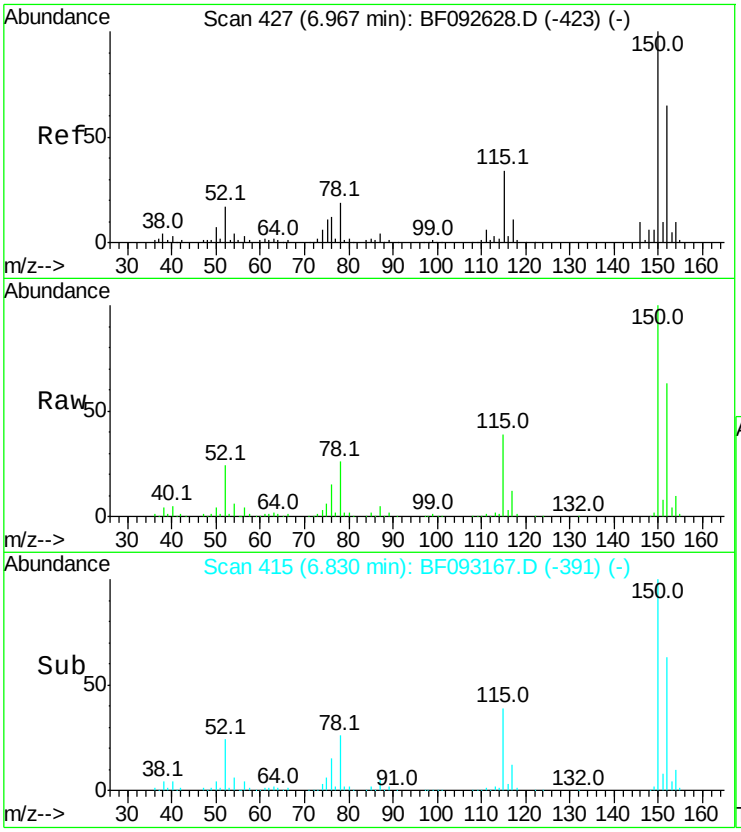
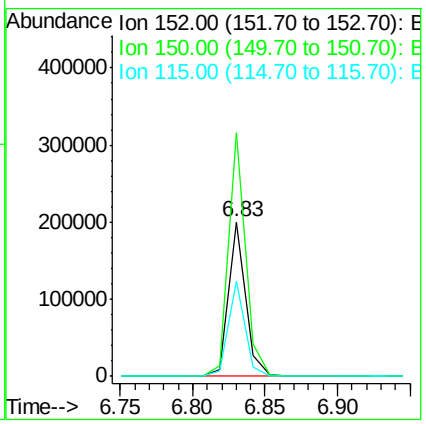




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:152 Resp: 163559

Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.9	187.3
115	61.8	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

Manual Integrations APPROVED
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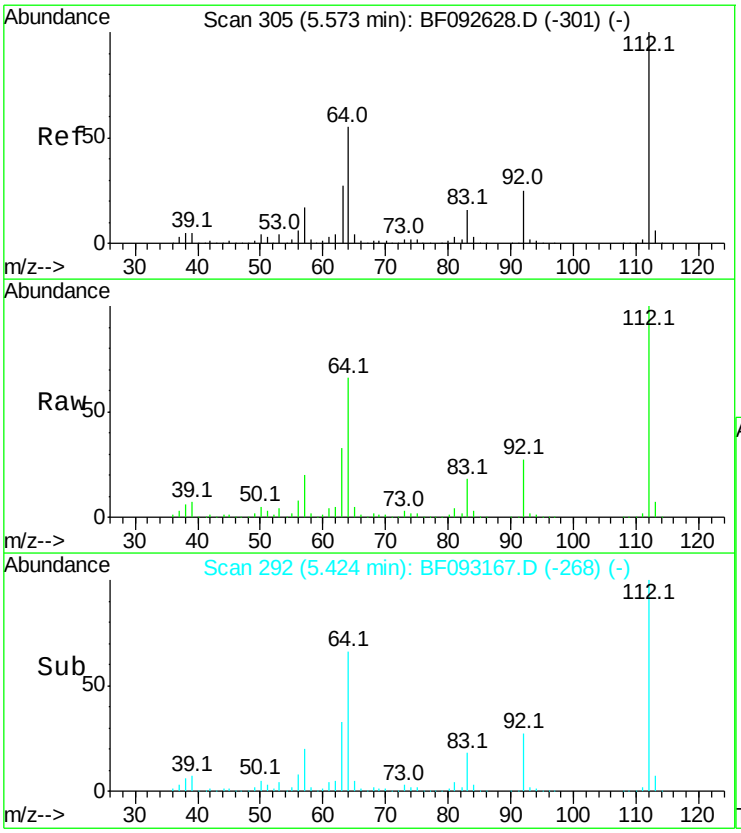
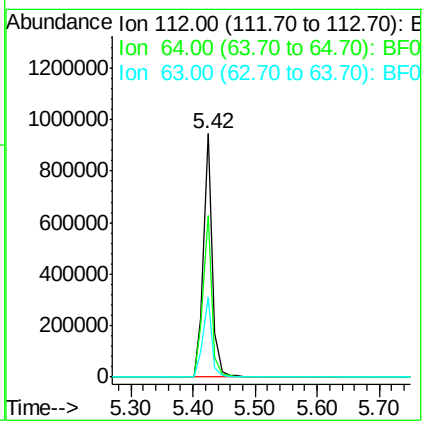
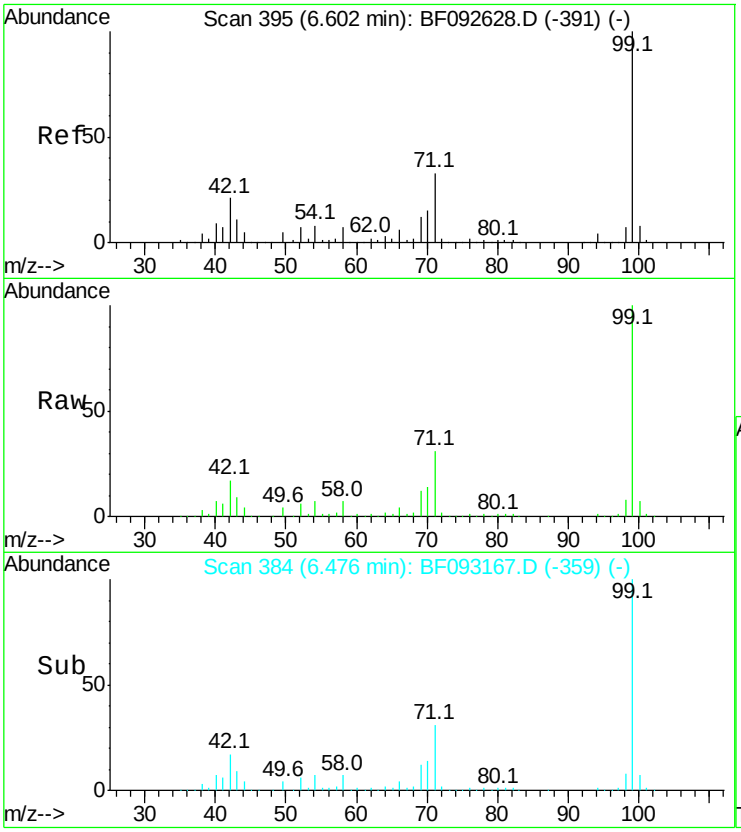


#5
2-Fluorophenol
Concen: 99.88 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:112 Resp: 952188

Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.1	69.1
63	32.8	23.8	35.6

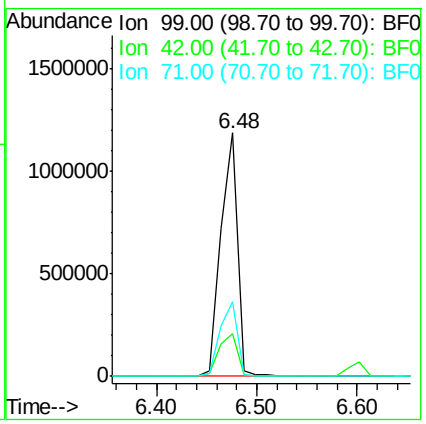




#7
Phenol-d6
Concen: 111.49 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion: 99 Resp: 1367572

Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.6	23.4
71	30.5	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

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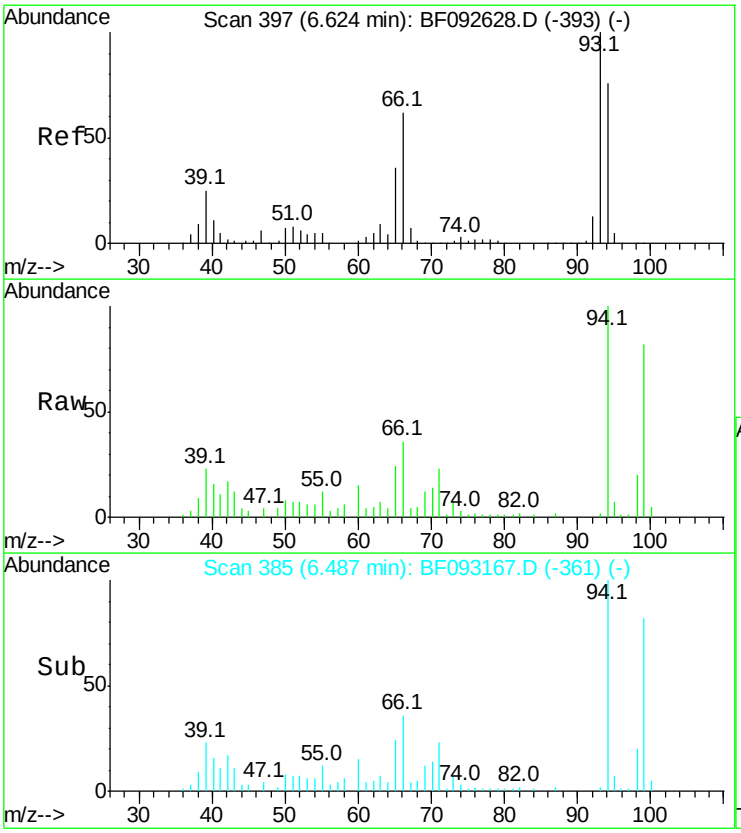
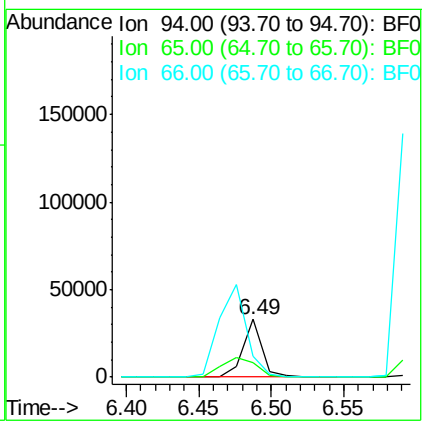
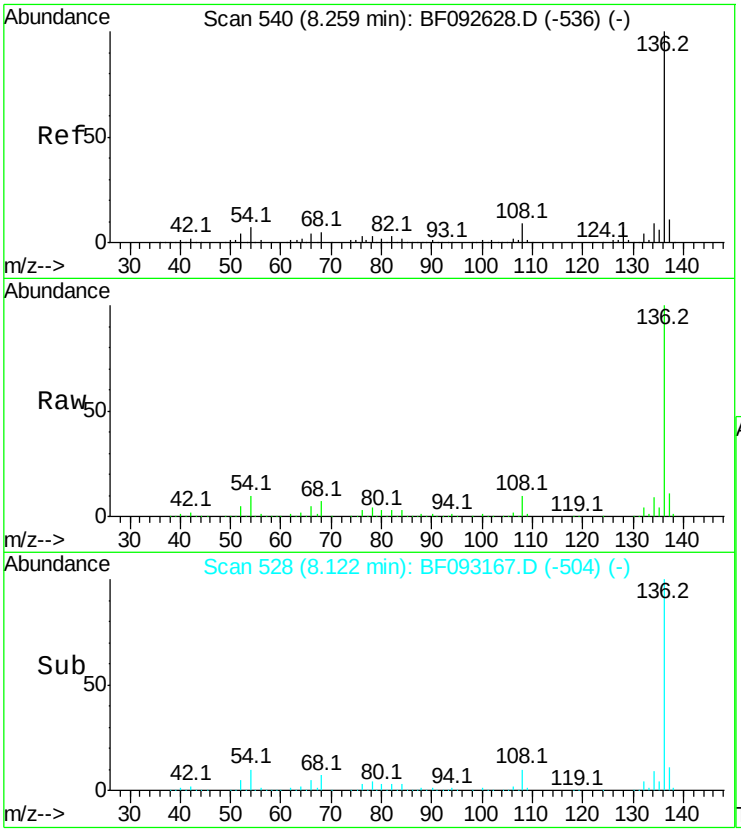


#10
Phenol
Concen: 2.07 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion: 94 Resp: 29724

Ion	Ratio	Lower	Upper
94	100		
65	24.4	21.4	61.4
66	35.9	44.0	84.0#

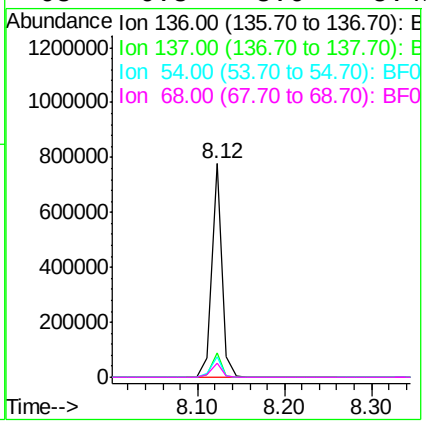




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:136 Resp: 642357

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.9	4.5	6.7#
68	6.8	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

Manual Integrations APPROVED
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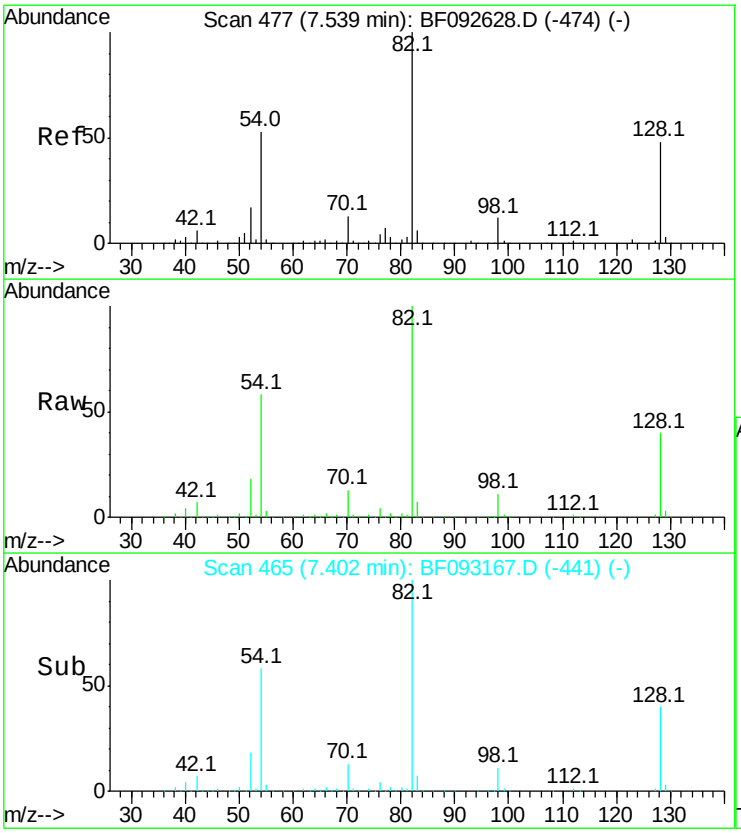
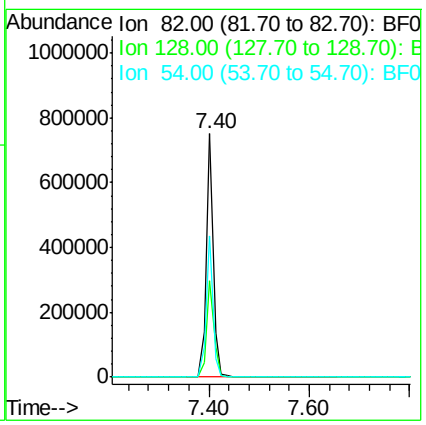
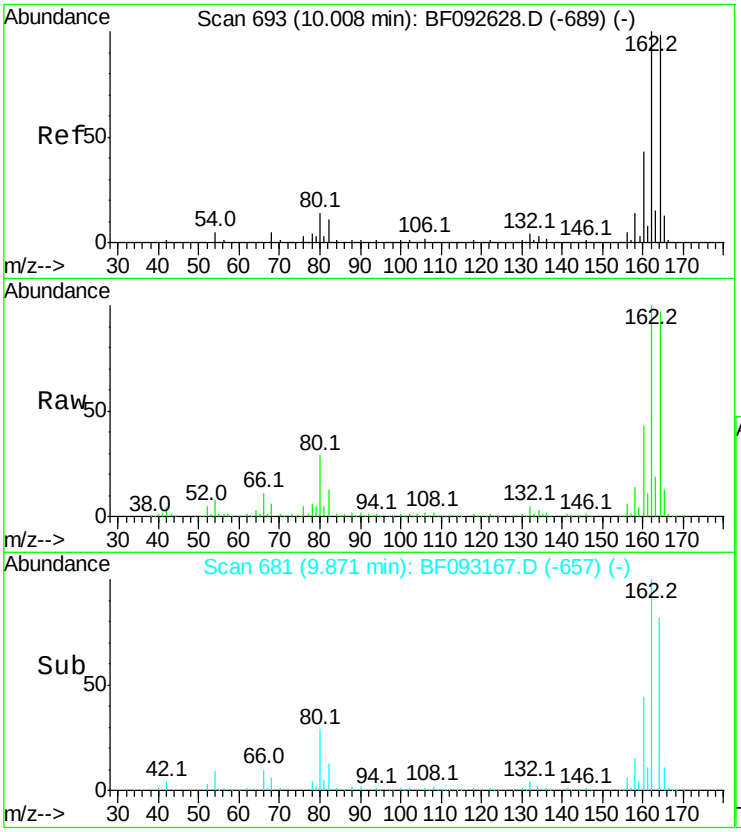


#23
Nitrobenzene-d5
Concen: 62.76 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion: 82 Resp: 723968

Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.6	52.0
54	58.2	39.5	59.3

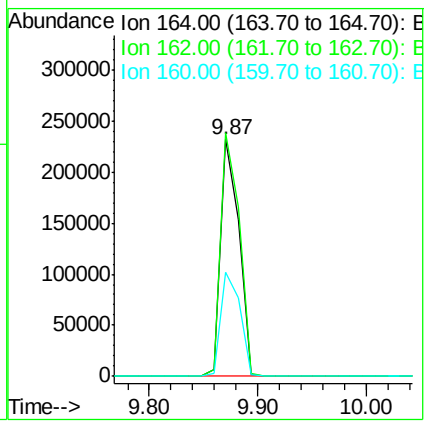




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:164 Resp: 271009

Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.2	120.2
160	44.0	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

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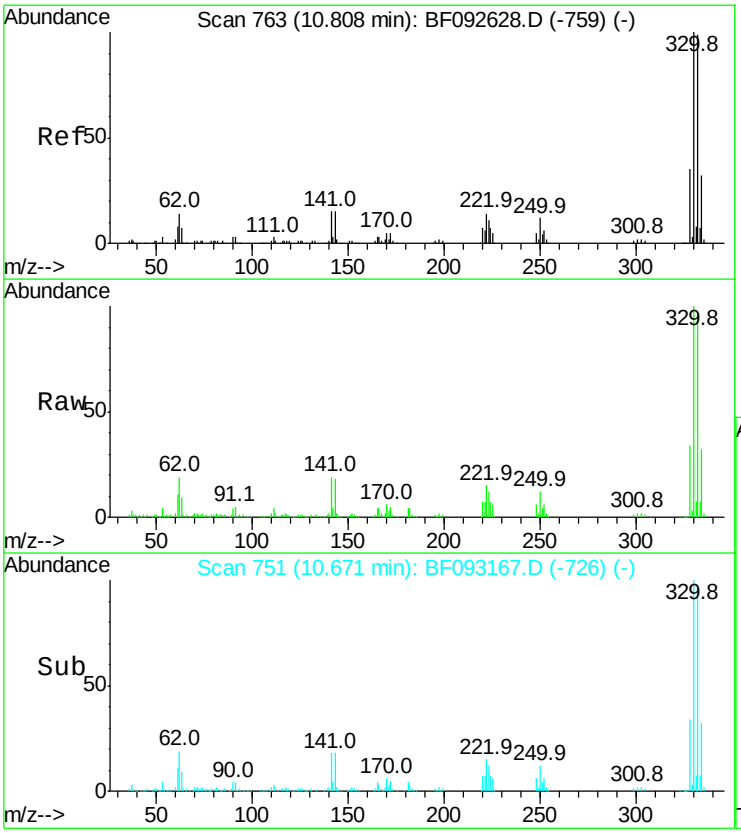
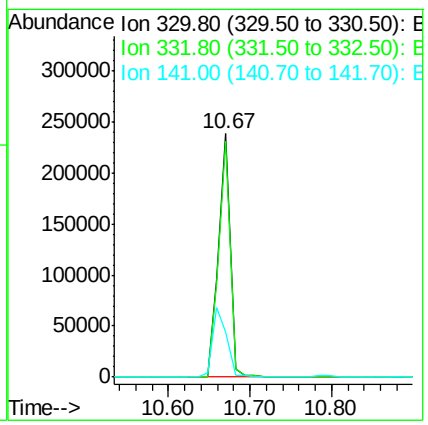
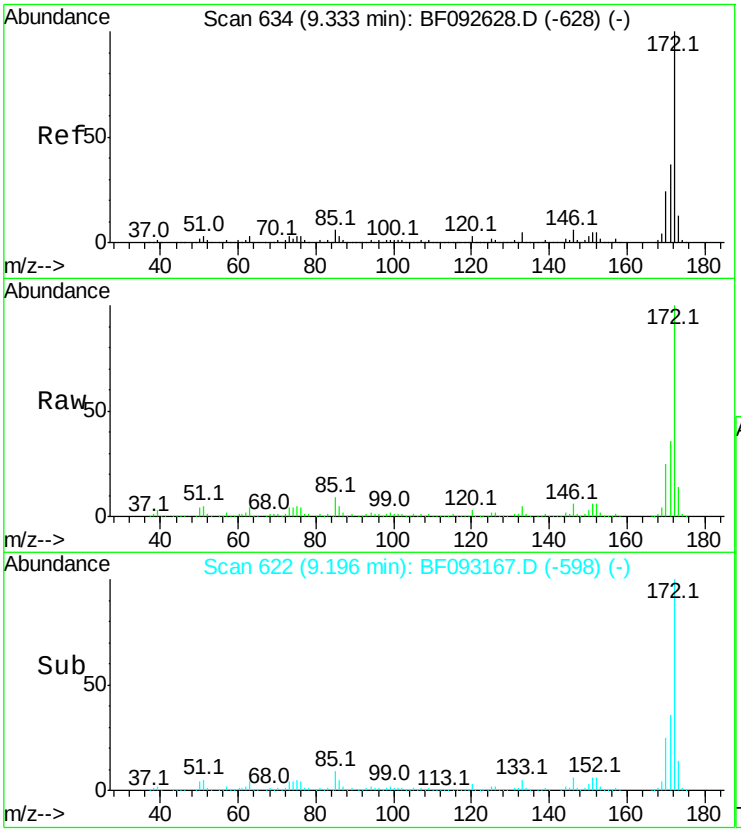


#41
2,4,6-Tribromophenol
Concen: 122.62 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:330 Resp: 240350

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	34.1	34.1	51.1

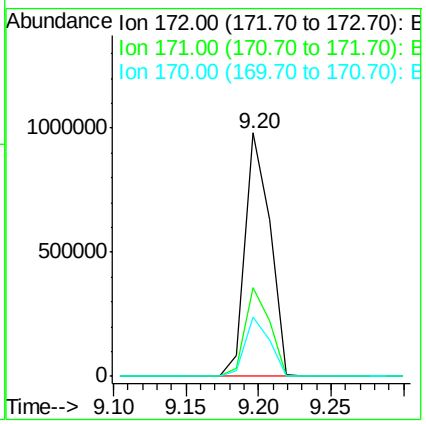




#44
2-Fluorobiphenyl
Concen: 78.44 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:172 Resp: 1173338

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.5	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
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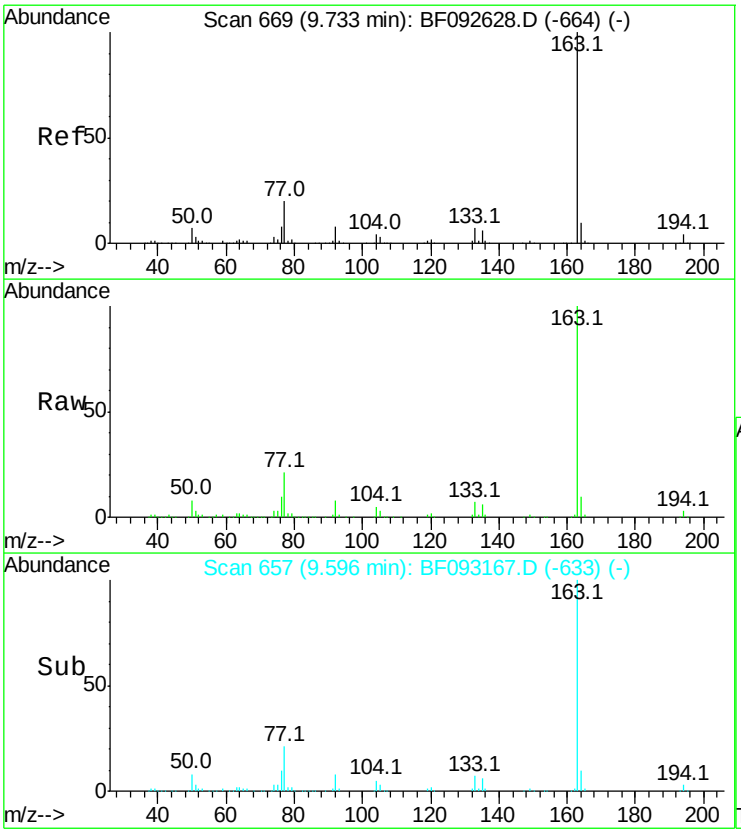
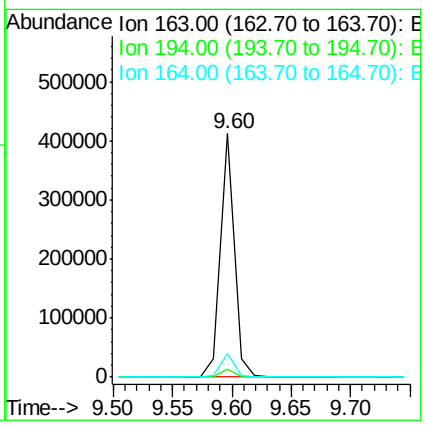
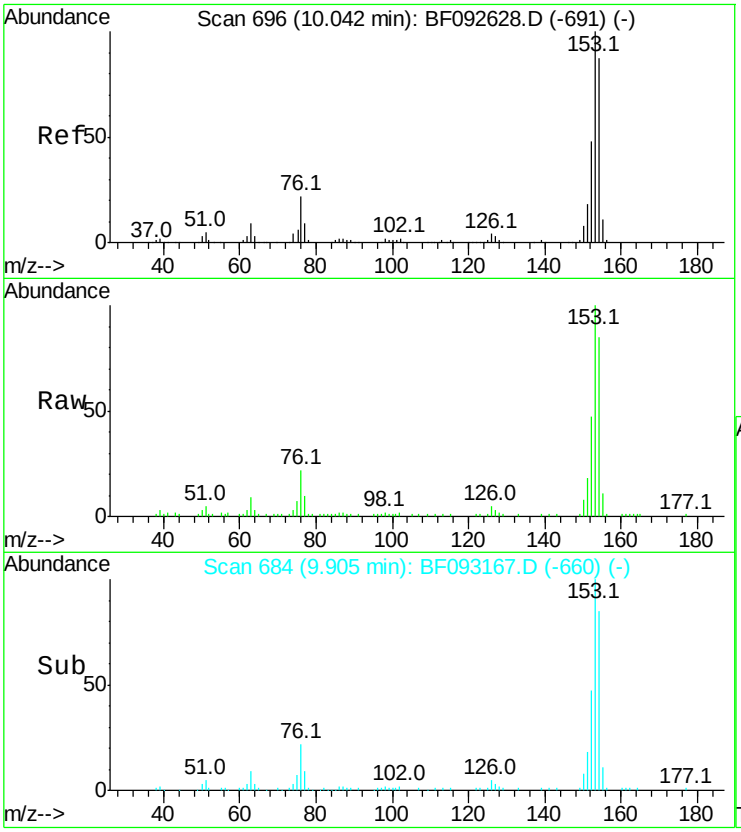


#49
Dimethylphthalate
Concen: 18.04 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:163 Resp: 329366

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	9.8	8.0	12.0

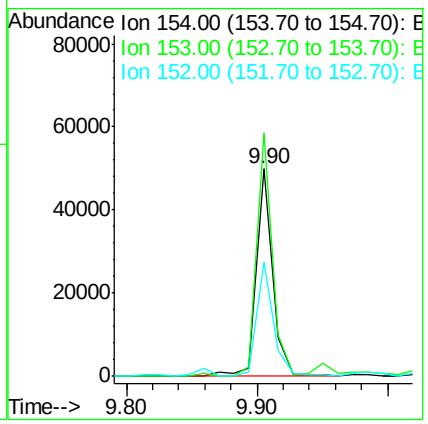




#51
Acenaphthene
Concen: 2.78 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:154 Resp: 44043

Ion	Ratio	Lower	Upper
154	100		
153	117.3	88.6	133.0
152	55.4	41.6	62.4



Instrument :
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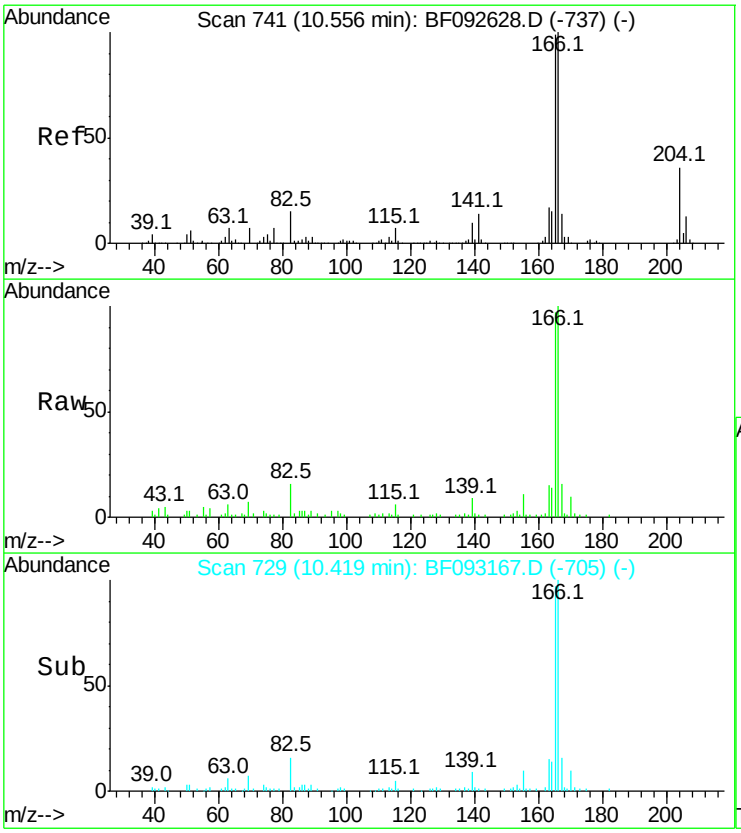
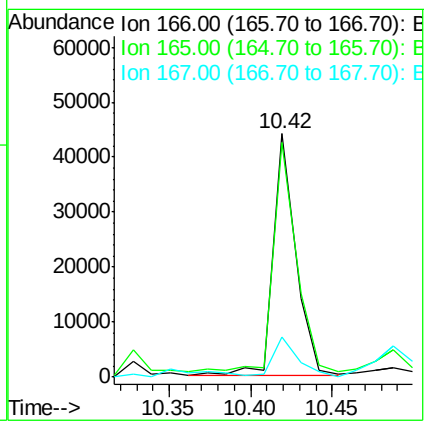
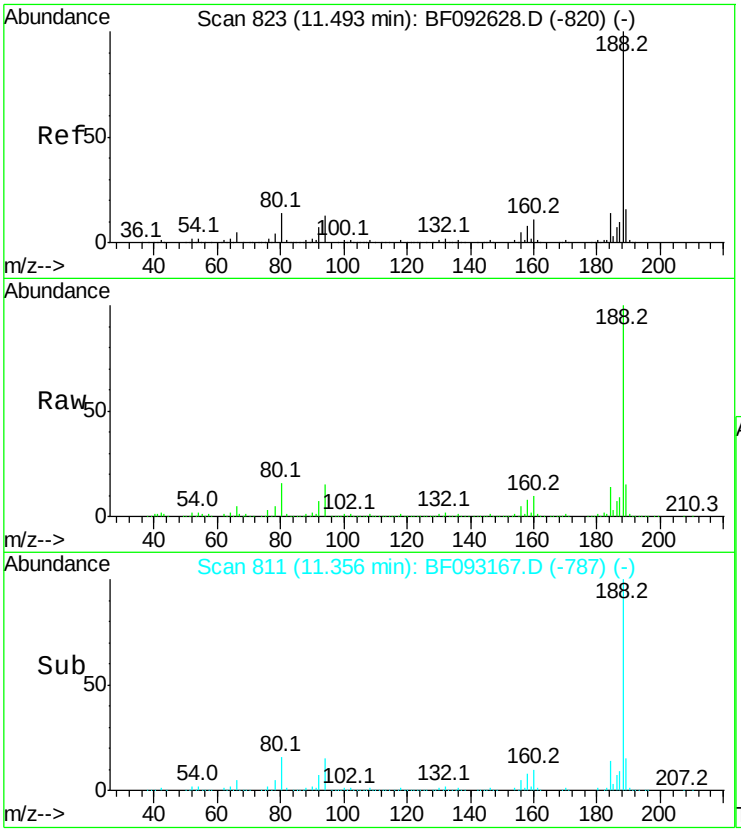


#57
Fluorene
Concen: 2.59 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:166 Resp: 42251

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.8	116.8
167	16.2	10.8	16.2#

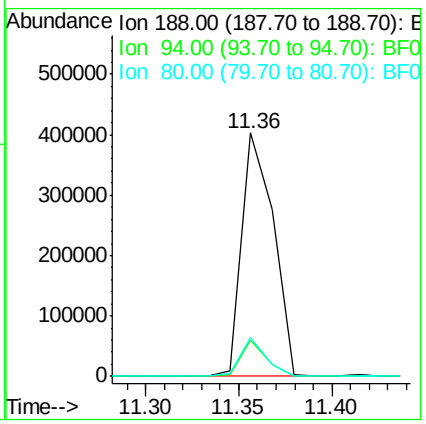




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:188 Resp: 477442

Ion	Ratio	Lower	Upper
188	100		
94	14.8	10.0	15.0
80	15.7	11.2	16.8



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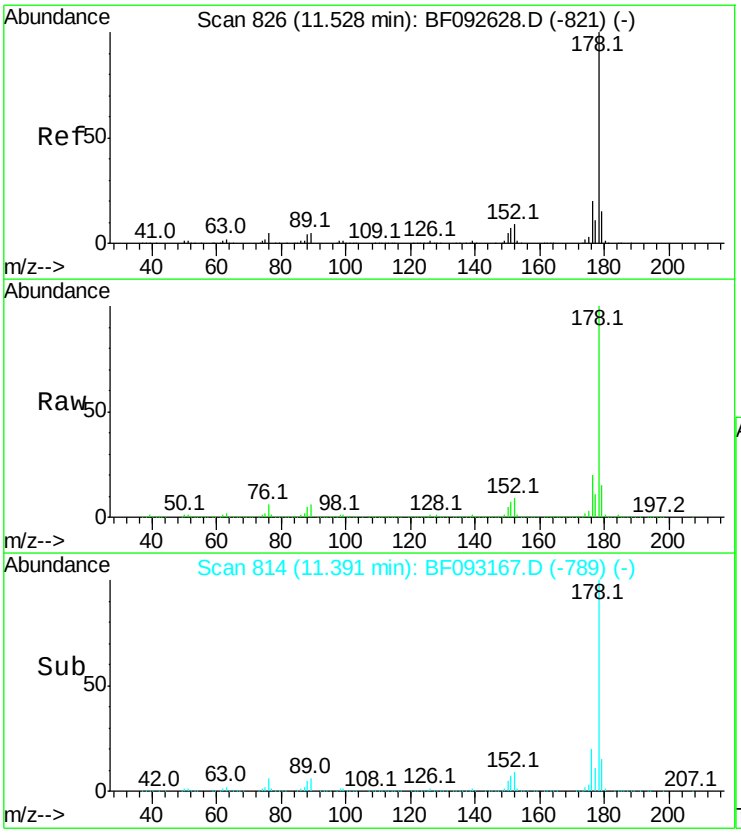
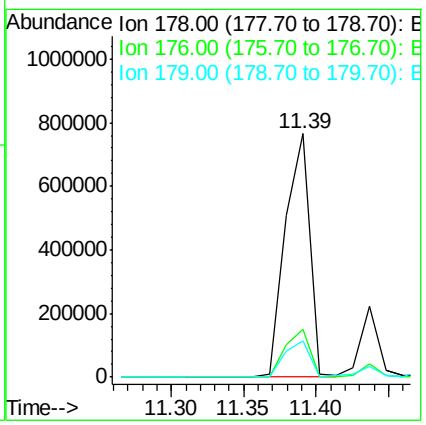
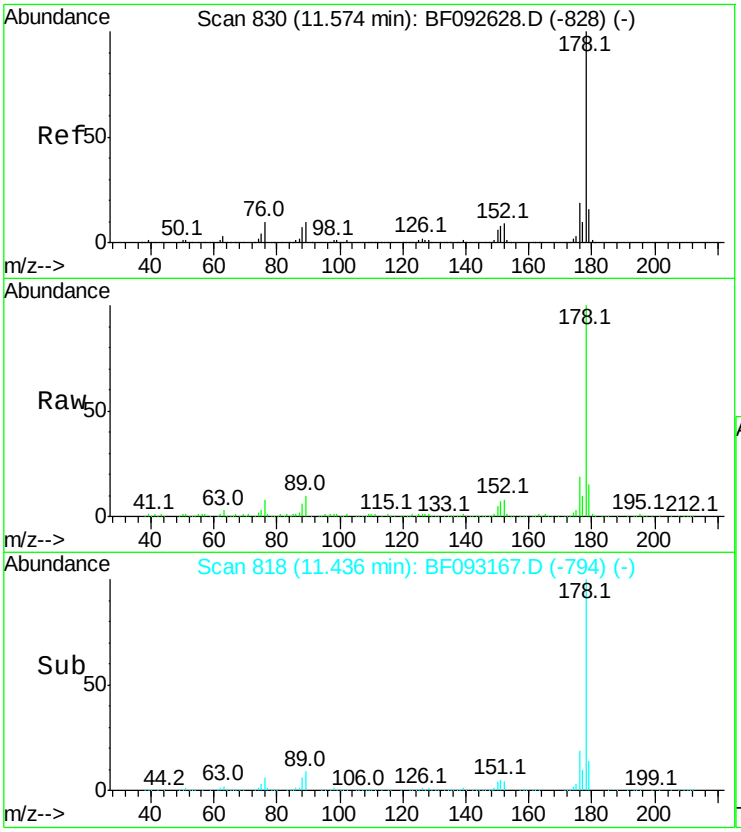


#70
Phenanthrene
Concen: 32.55 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:178 Resp: 890342

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	14.8	12.8	19.2

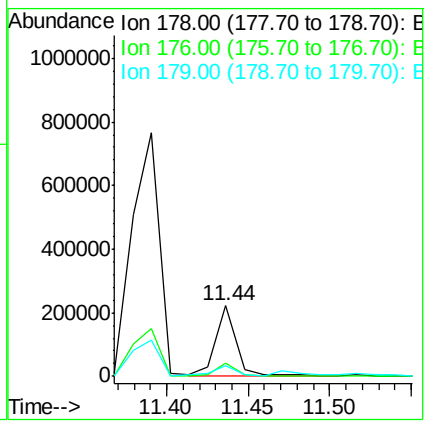




#71
Anthracene
Concen: 6.88 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:178 Resp: 189090

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	14.8	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

Manual Integrations APPROVED
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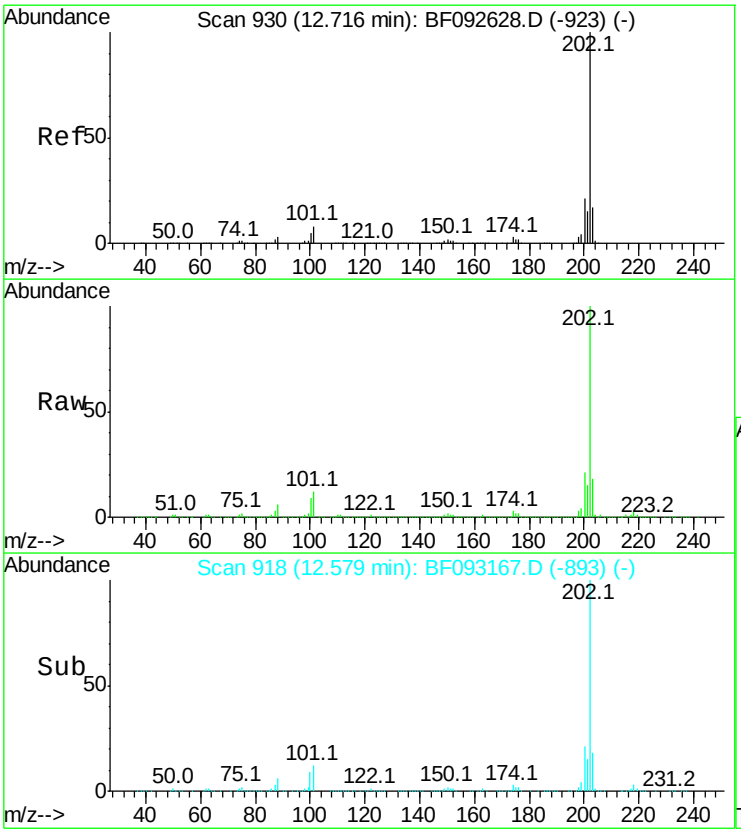
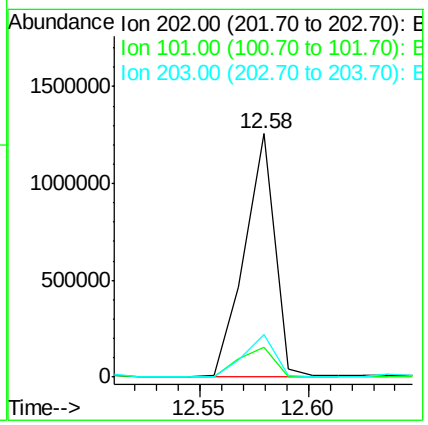
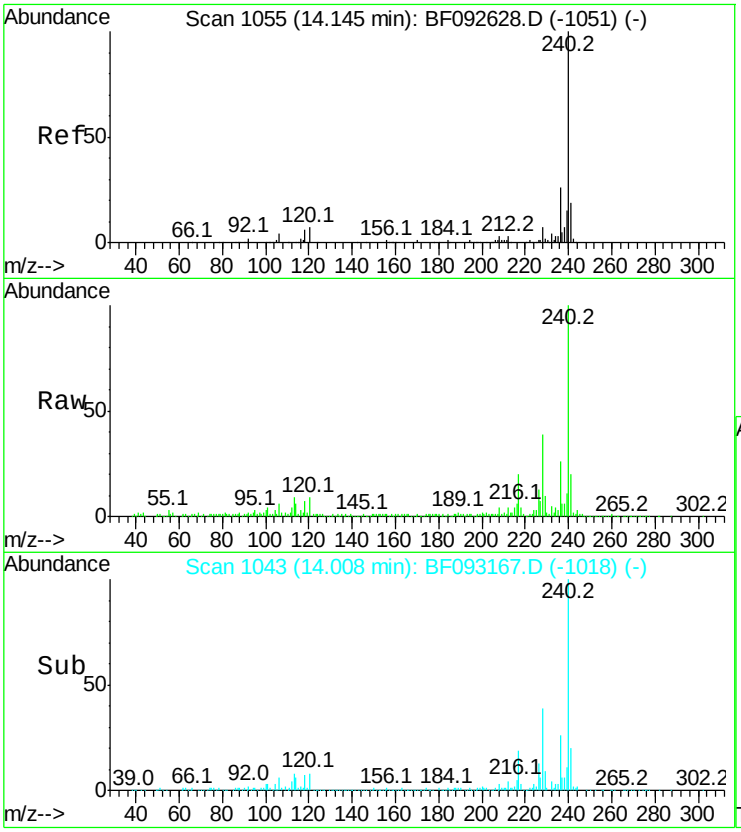


#74
Fluoranthene
Concen: 43.15 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:202 Resp: 1217527

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.6
203	17.7	0.0	38.7

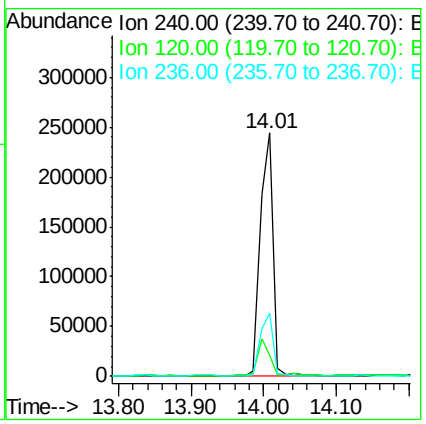




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:240 Resp: 307671

Ion	Ratio	Lower	Upper
240	100		
120	8.5	12.9	19.3#
236	25.8	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

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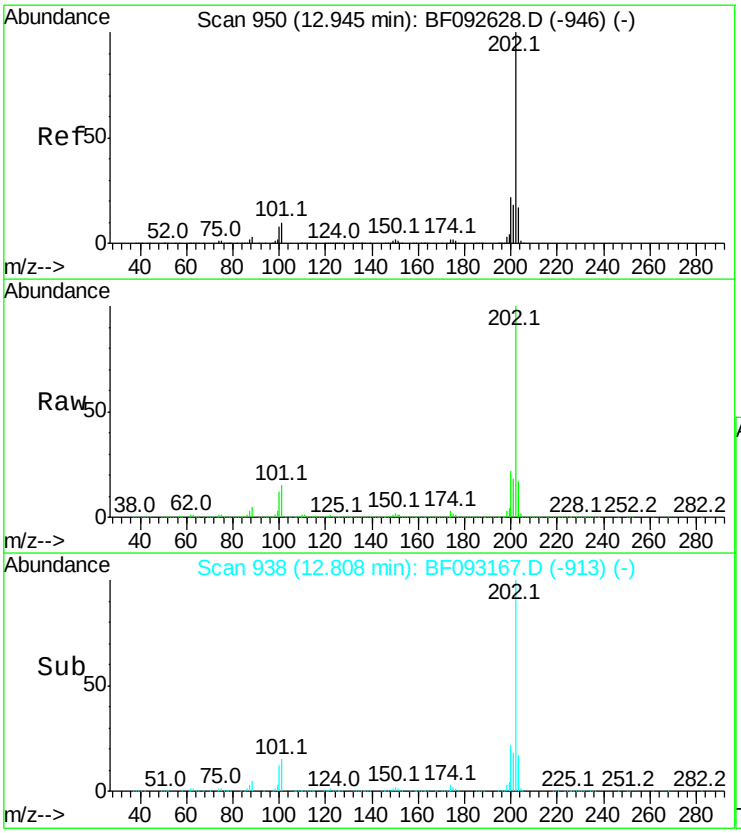
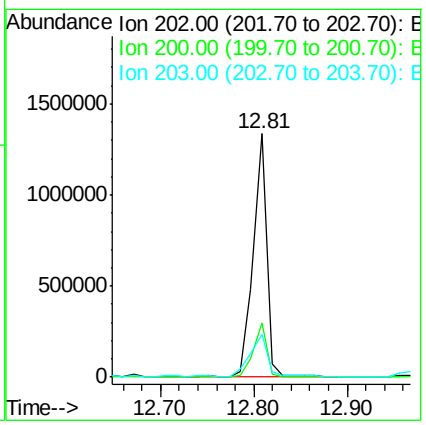
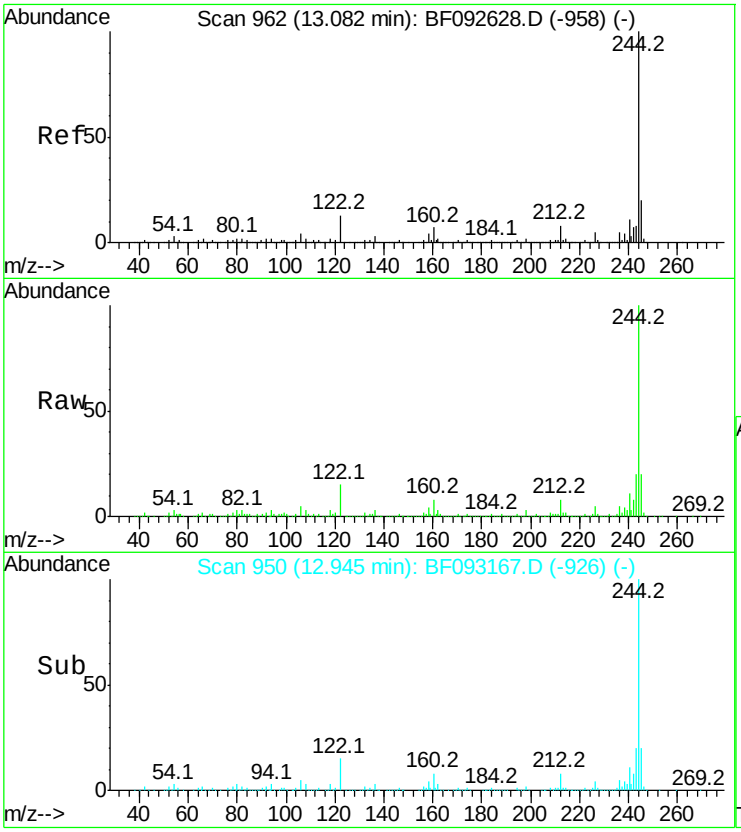


#77
Pyrene
Concen: 57.86 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:202 Resp: 1332281

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.4	14.7	22.1

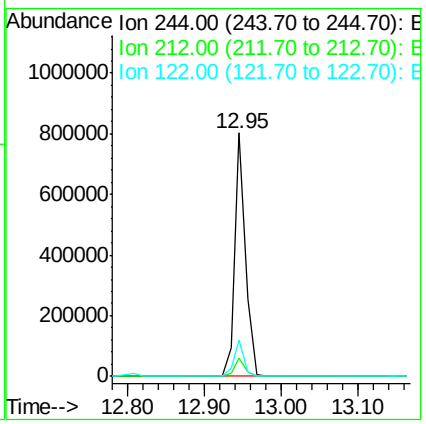




#78
Terphenyl-d14
Concen: 61.18 ng
RT: 12.95 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:244 Resp: 801088

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	14.8	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

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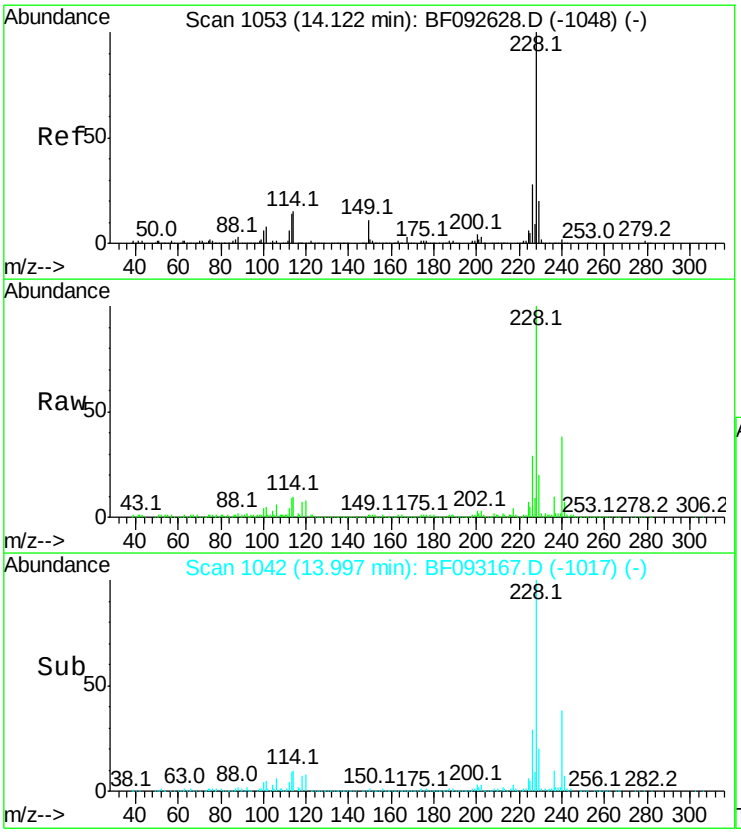
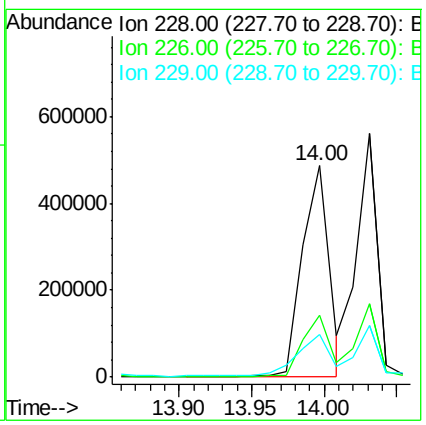
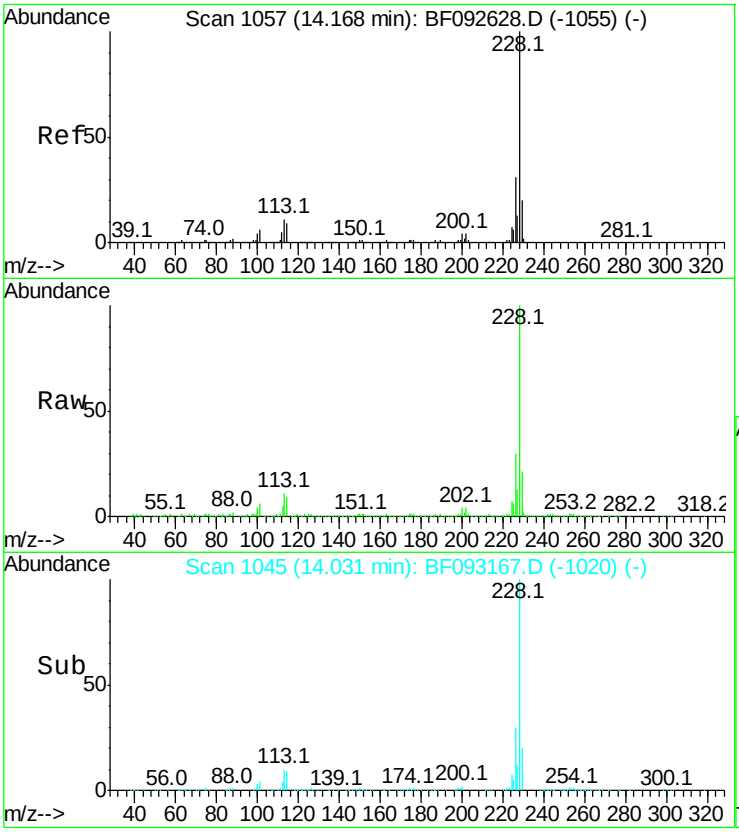


#80
Benzo(a)anthracene
Concen: 32.83 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:228 Resp: 617704

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	20.2	16.2	24.4

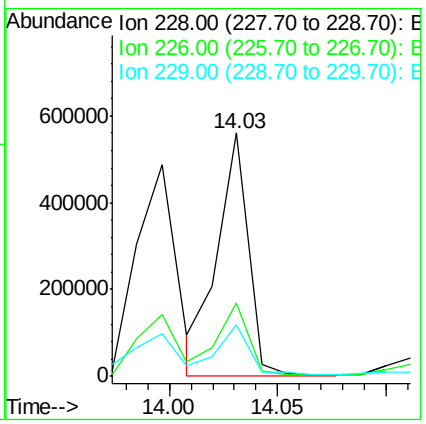




#82
Chrysene
Concen: 31.14 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:228 Resp: 548670

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	21.1	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

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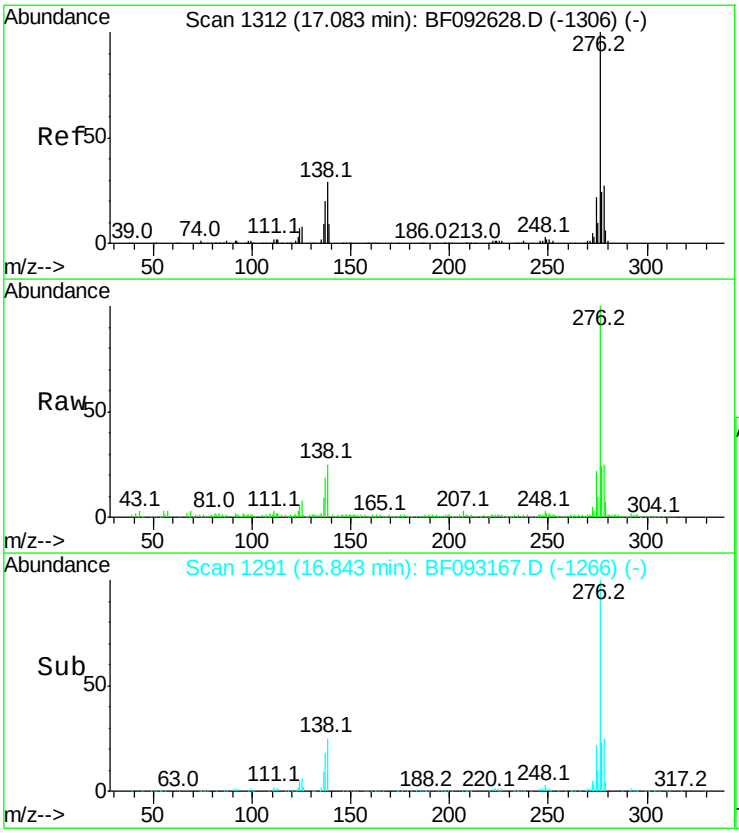
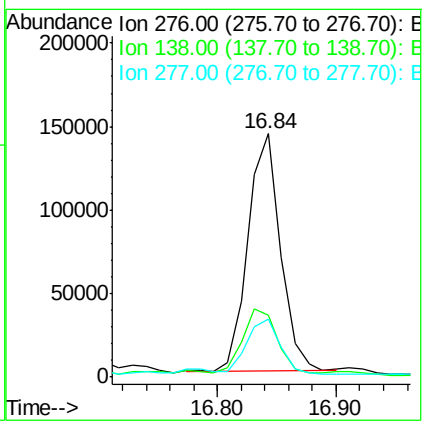
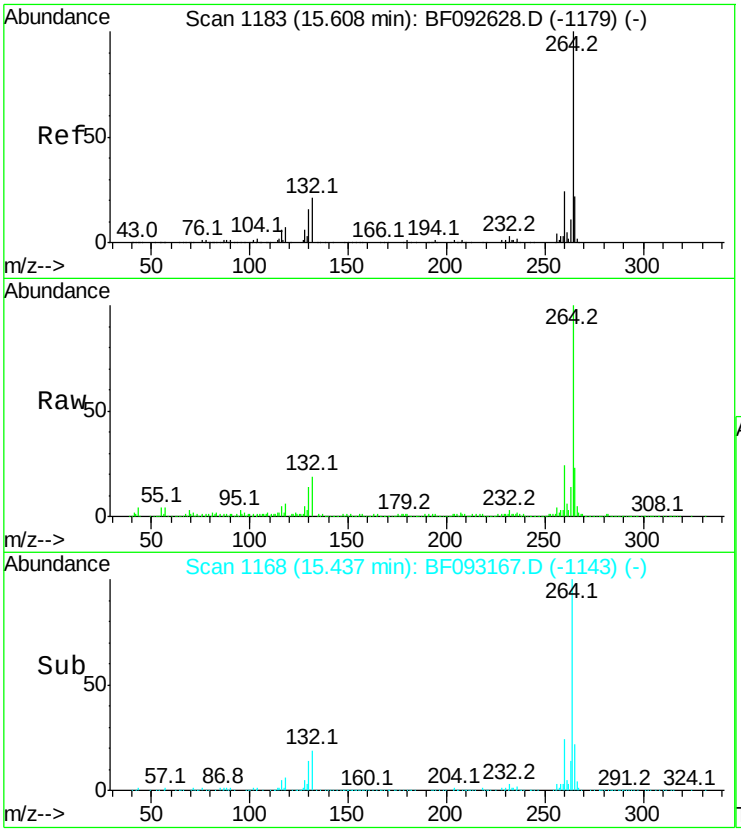


#85
Indeno(1,2,3-cd)pyrene
Concen: 19.90 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:276 Resp: 271601

Ion	Ratio	Lower	Upper
276	100		
138	31.0	21.8	32.6
277	28.2	20.2	30.4

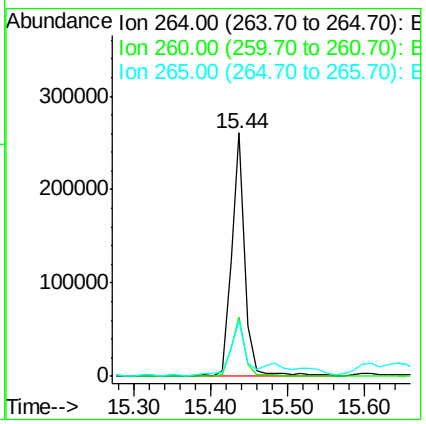




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:264 Resp: 325109

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.6	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

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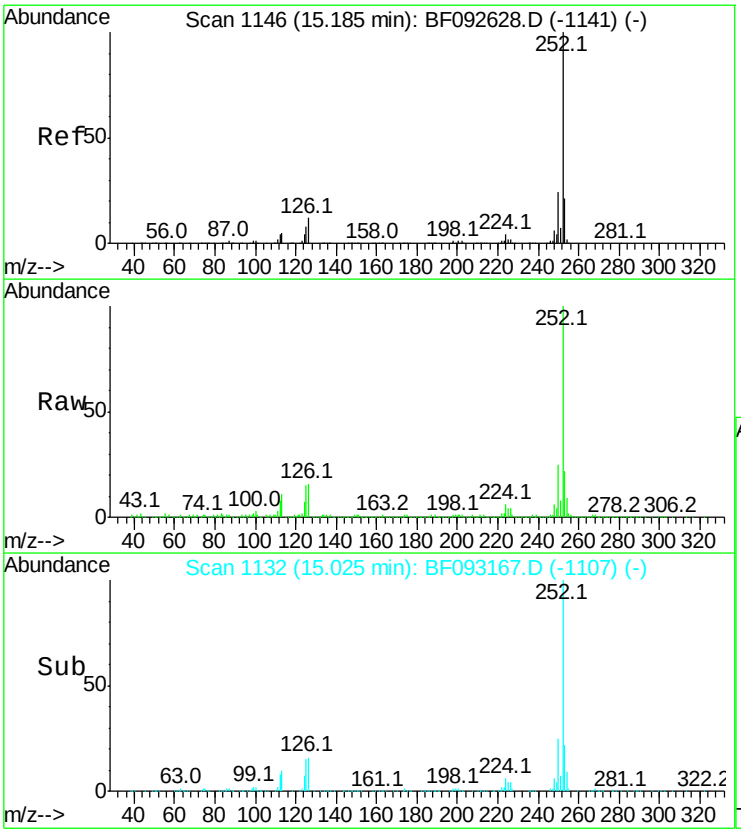
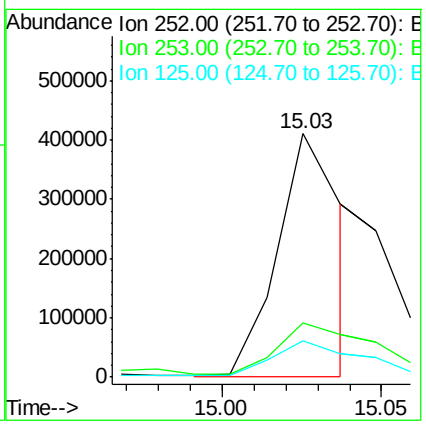
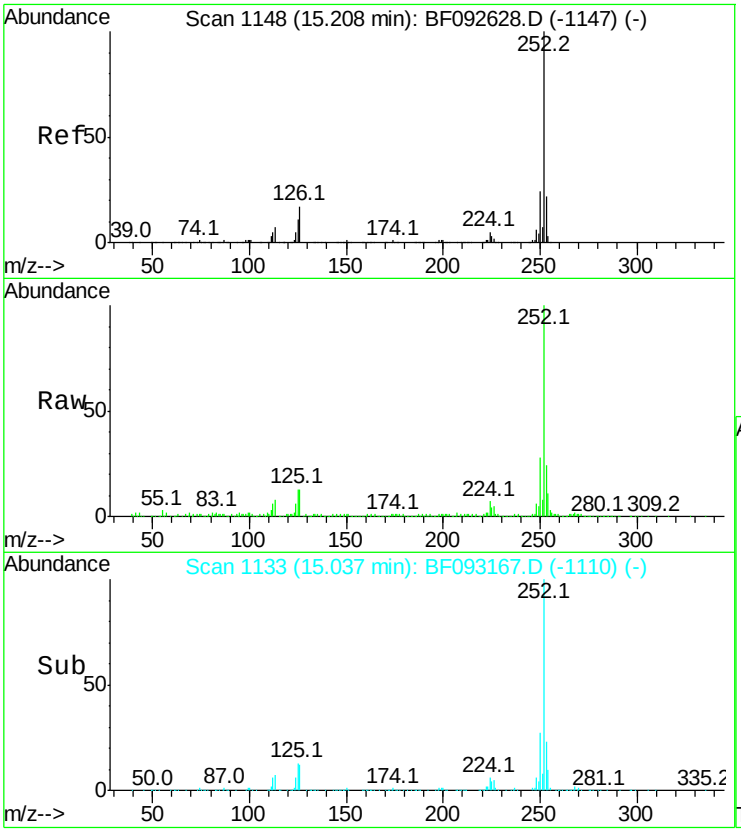


#87
Benzo(b)fluoranthene
Concen: 27.06 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:252 Resp: 579014

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.9	9.8	14.6#

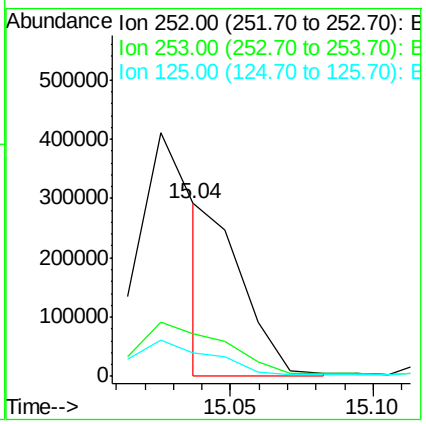




#88
Benzo(k)fluoranthene
Concen: 13.19 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:252 Resp: 243704

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	13.4	8.9	13.3#



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

Manual Integrations APPROVED
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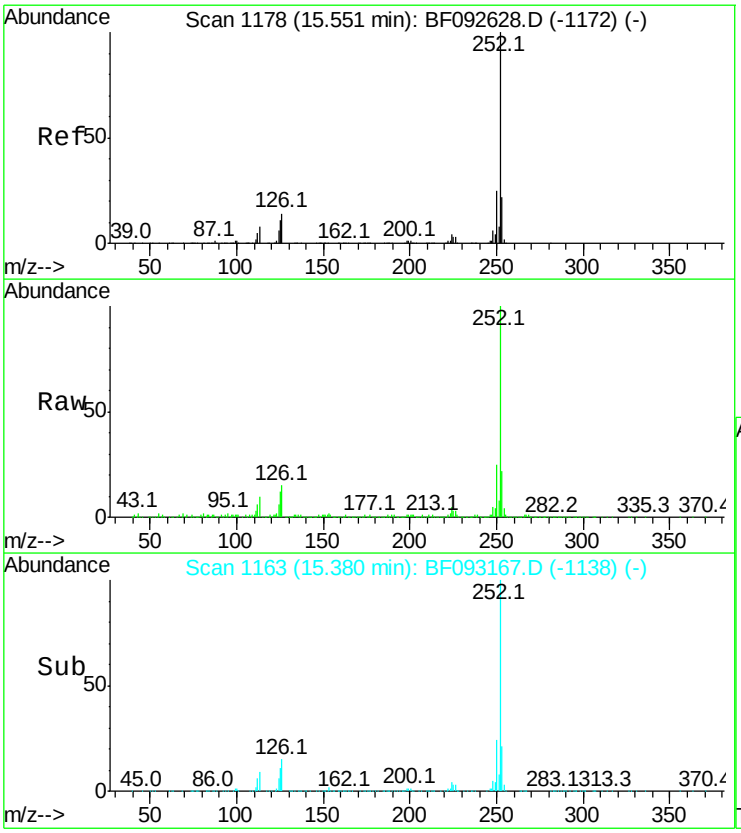
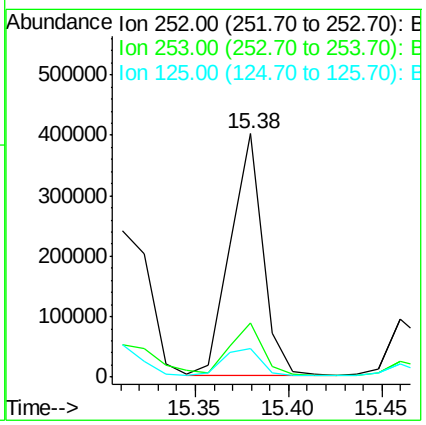
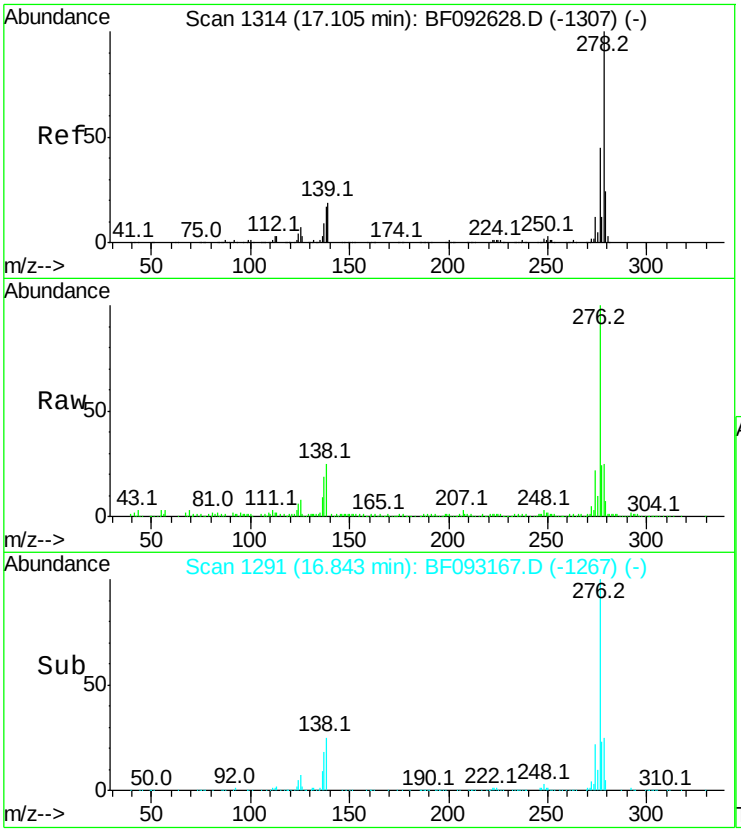


#89
Benzo(a)pyrene
Concen: 26.55 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:252 Resp: 491433

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.9	10.0	15.0

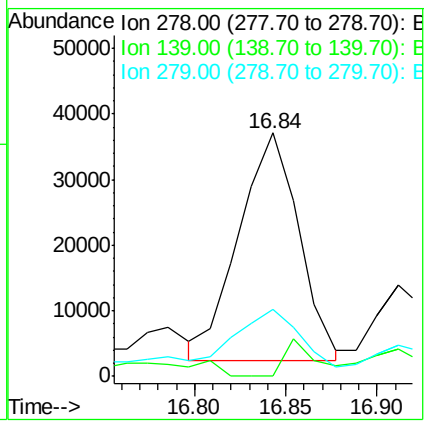




#90
Dibenzo(a,h)anthracene
Concen: 5.32 ng m
RT: 16.84 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:278 Resp: 79609

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	27.5	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
CLP-B-01(5-10)

Manual Integrations APPROVED
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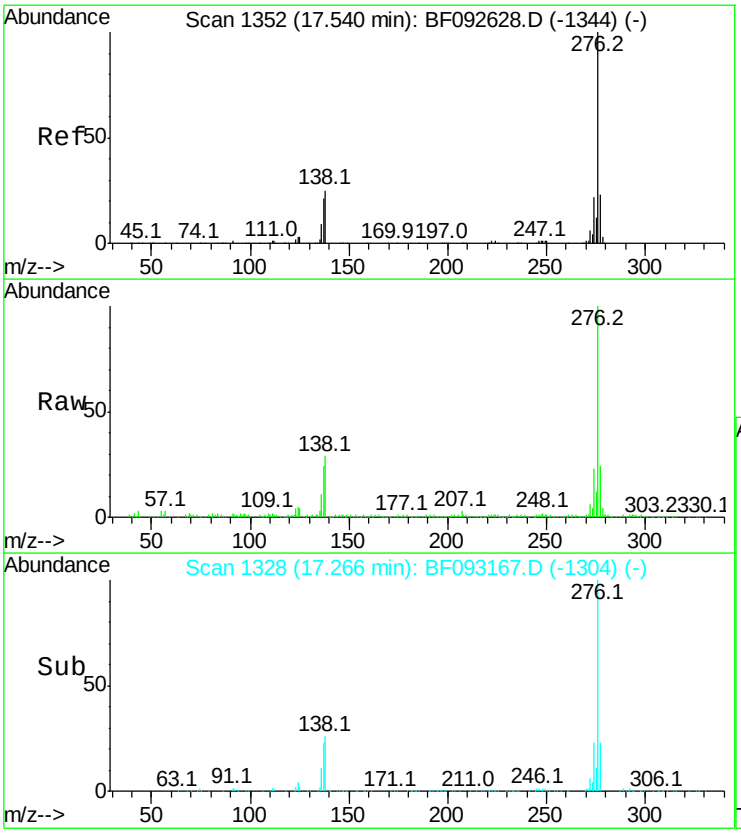
2/27/2017 1:07:50 PM



#91
Benzo(g,h,i)perylene
Concen: 18.79 ng
RT: 17.27 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF093167.D
Acq: 25 Feb 2017 1:50

Tgt Ion:276 Resp: 283921

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	28.8	16.0	24.0#