Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092580.D
Acq On : 27 Jan 2017 16:33
Operator : SJ/MA
Sample : I1265-01RE 2X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1RE

Manual Integrations APPROVED
mohammad
1/27/2017 5:32:58 PM

Quant Time: Jan 27 17:28:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	168830	20.00	ng		0.01
21) Naphthalene-d8	8.27	136	662266	20.00	ng		0.00
38) Acenaphthene-d10	10.04	164	314661	20.00	ng		0.01
63) Phenanthrene-d10	11.53	188	479672	20.00	ng		0.00
75) Chrysene-d12	14.17	240	326060	20.00	ng		0.00
86) Perylene-d12	15.67	264	279330	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	119991	11.06	ng		0.03
7) Phenol-d6	6.62	99	156521	11.32	ng		0.03
23) Nitrobenzene-d5	7.54	82	82329	6.79	ng		0.00
41) 2,4,6-Tribromophenol	10.83	330	22561	10.52	ng		0.01
44) 2-Fluorobiphenyl	9.36	172	158029	9.29	ng		0.00
78) Terphenyl-d14	13.12	244	127466	10.41	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.89	152	59338	2.18	ng		98
70) Phenanthrene	11.55	178	89965	3.41	ng		98
71) Anthracene	11.60	178	52253	2.02	ng		98
74) Fluoranthene	12.74	202	268753	10.40	ng		97
77) Pyrene	12.97	202	326551	13.82	ng		98
80) Benzo(a)anthracene	14.16	228	184854	10.55	ng		91
82) Chrysene	14.20	228	138108m	7.38	ng		
85) Indeno(1,2,3-cd)pyrene	17.17	276	87861	6.35	ng		94
87) Benzo(b)fluoranthene	15.23	252	203378m	11.34	ng		
88) Benzo(k)fluoranthene	15.25	252	68620m	4.60	ng		
89) Benzo(a)pyrene	15.60	252	146453	9.65	ng	#	91
91) Benzo(g,h,i)perylene	17.63	276	88143	7.11	ng	#	87

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
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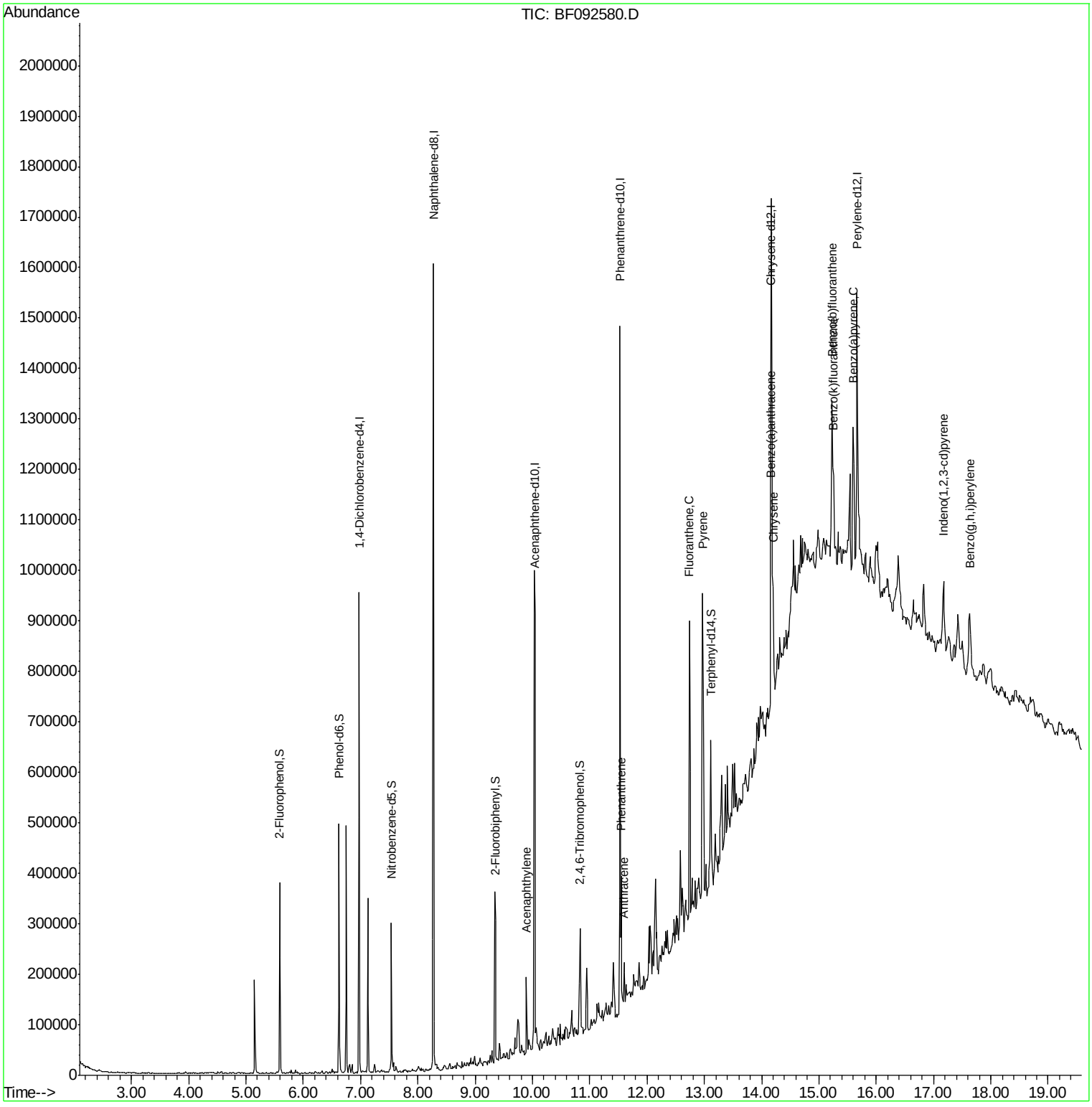
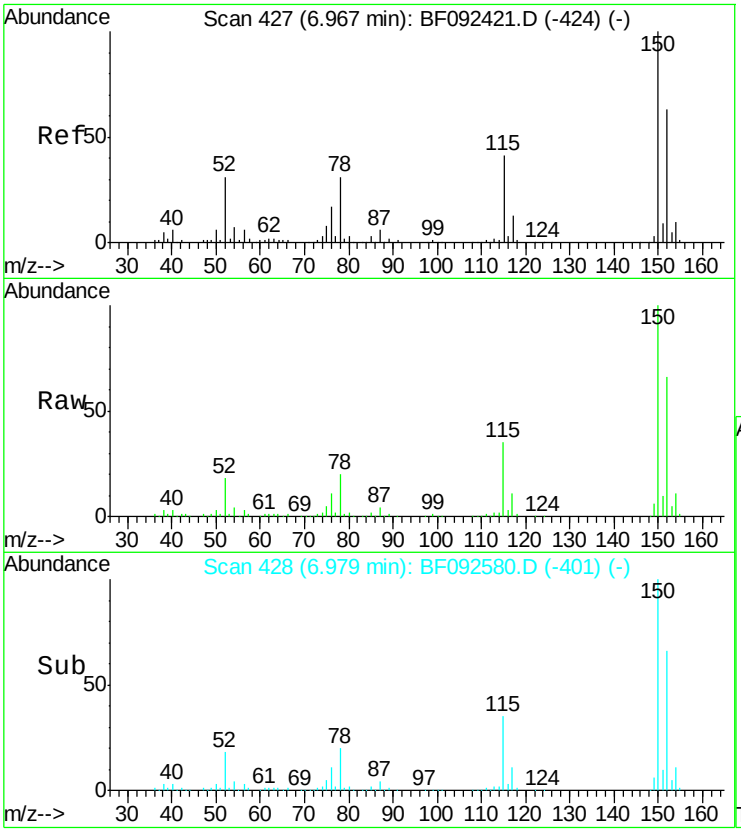
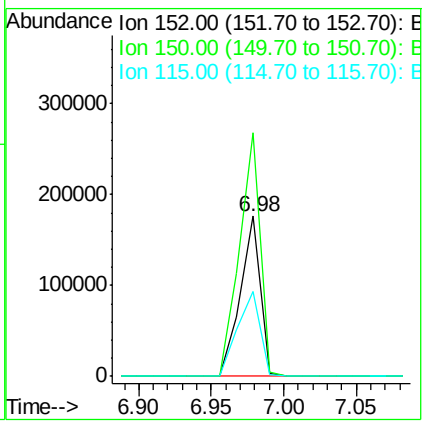




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:152 Resp: 168830

Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.9	187.3
115	53.0	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
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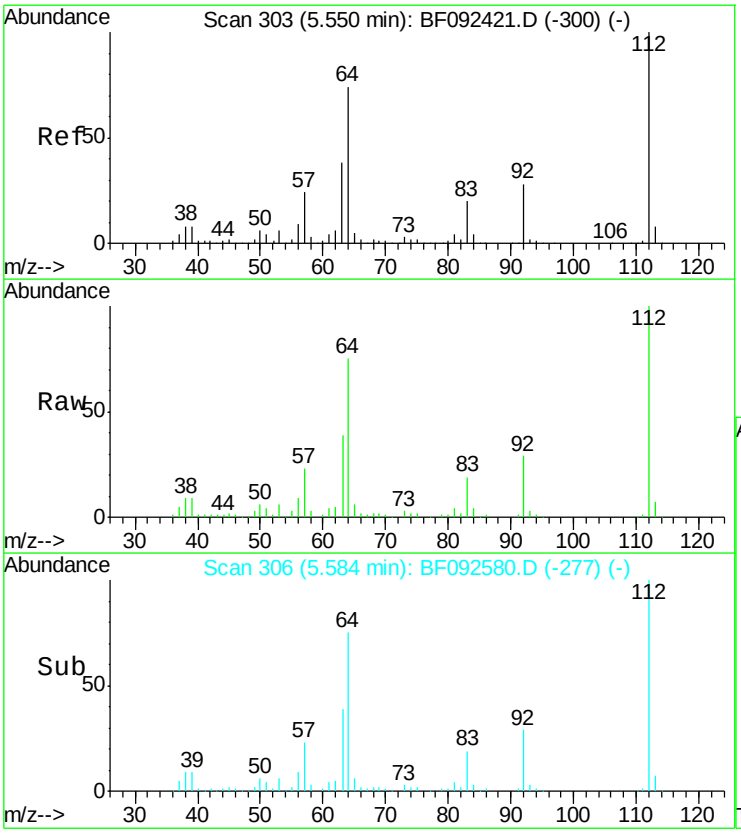
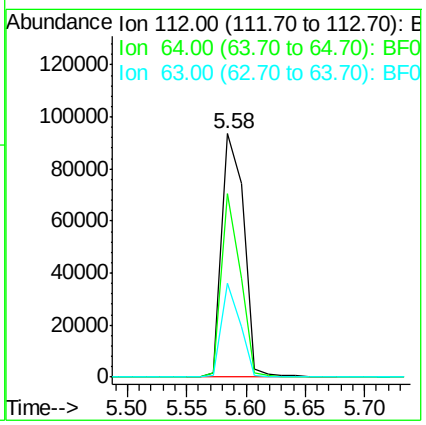
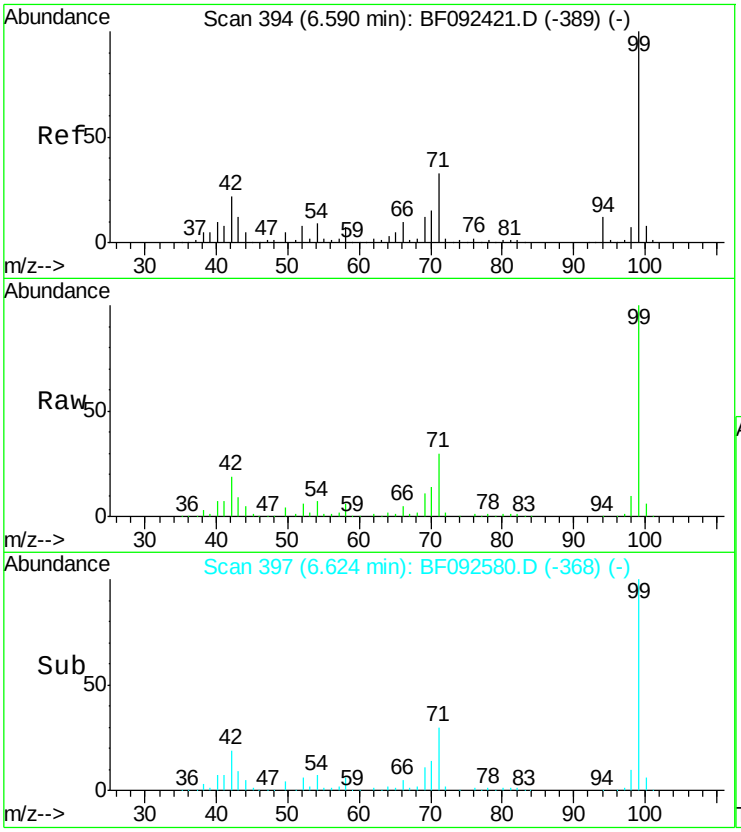


#5
2-Fluorophenol
Concen: 11.06 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.03 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:112 Resp: 119991

Ion	Ratio	Lower	Upper
112	100		
64	75.2	46.1	69.1#
63	38.5	23.8	35.6#

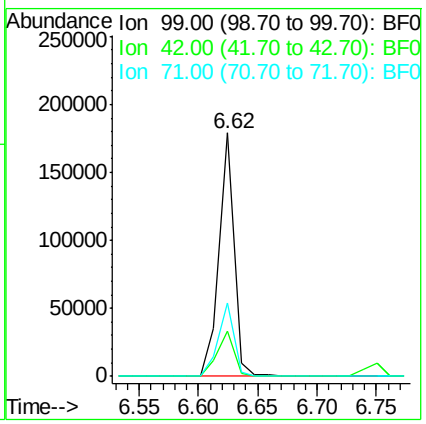




#7
Phenol-d6
Concen: 11.32 ng
RT: 6.62 min Scan# 397
Delta R.T. 0.03 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion: 99 Resp: 156521

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.6	23.4
71	30.1	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
B-1RE

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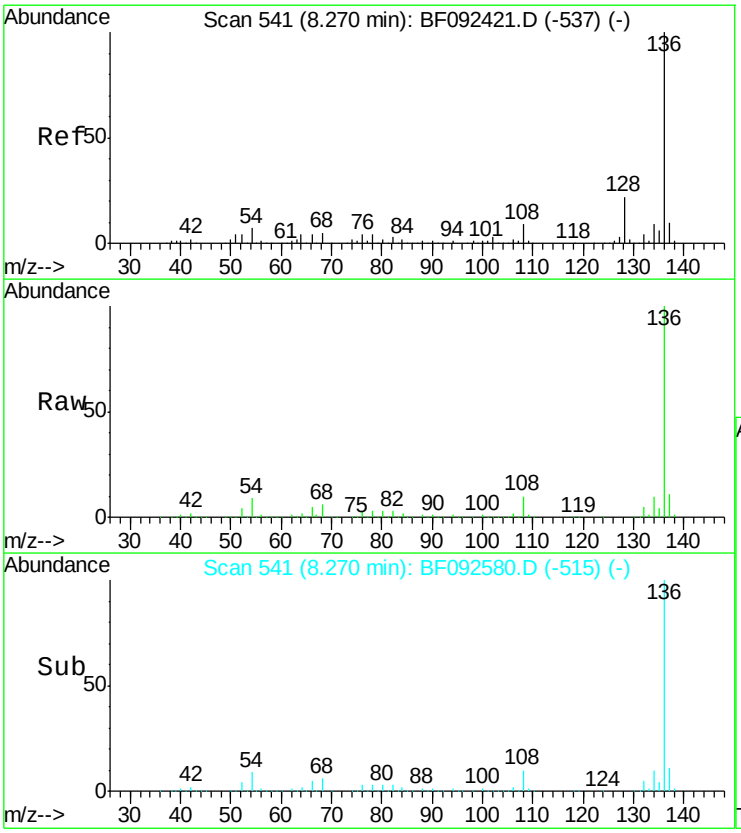
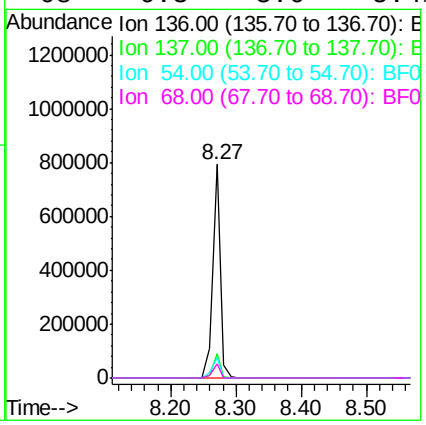
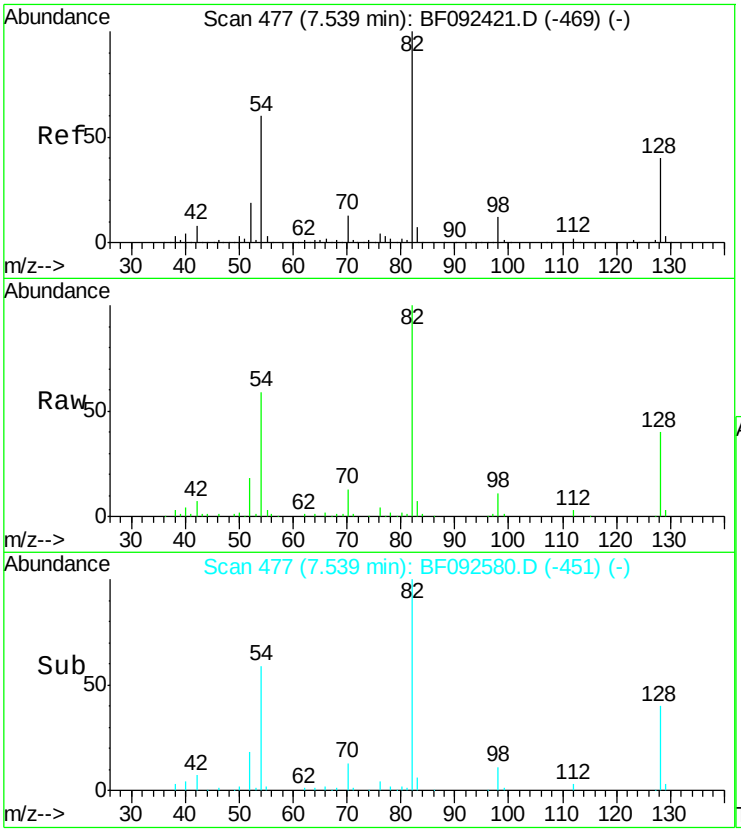


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:136 Resp: 662266

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.3	4.5	6.7#
68	6.3	3.6	5.4#

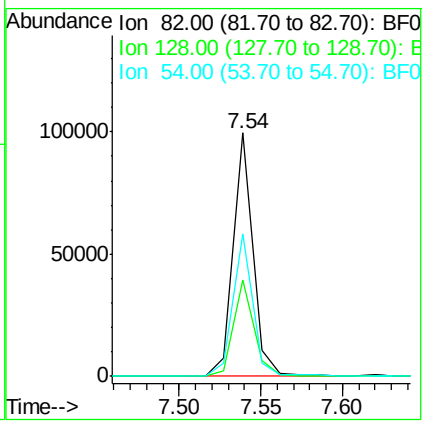




#23
Nitrobenzene-d5
Concen: 6.79 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion: 82 Resp: 82329

Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.6	52.0
54	58.7	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
B-1RE

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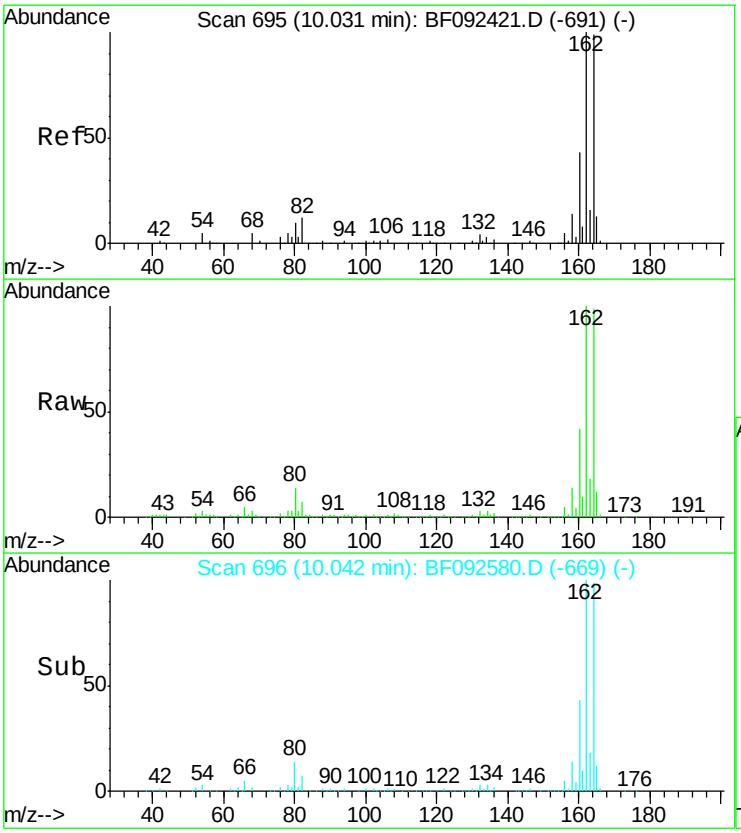
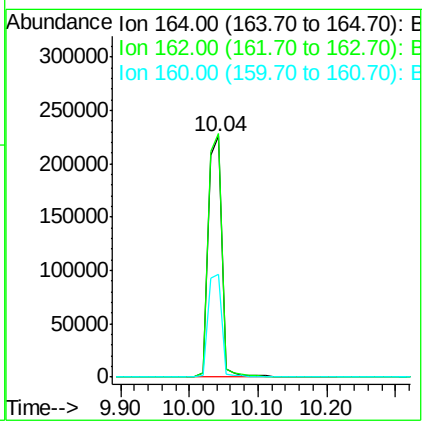
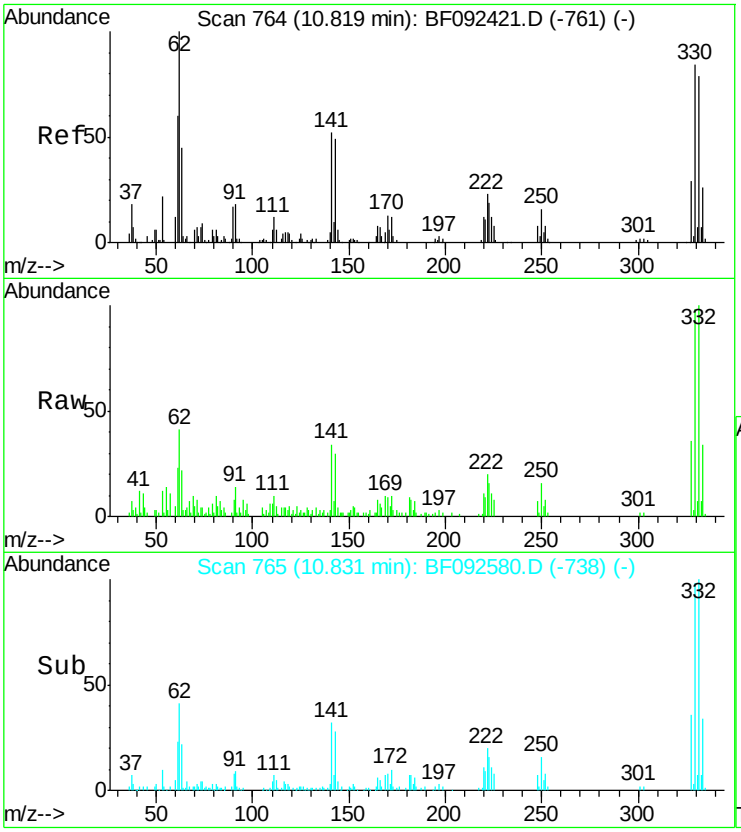


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:164 Resp: 314661

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.2	120.2
160	43.0	36.9	55.3

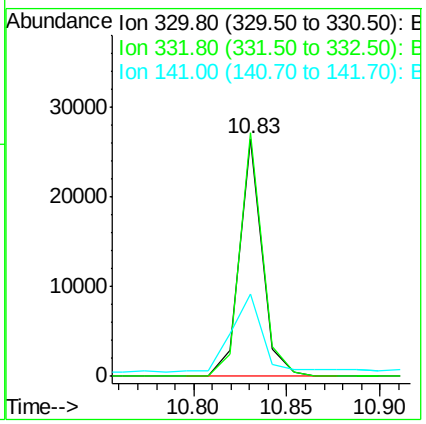




#41
2,4,6-Tribromophenol
Concen: 10.52 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:330 Resp: 22561

Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.4	116.2
141	46.3	34.1	51.1



Instrument :
BNA_F
ClientSampleId :
B-1RE

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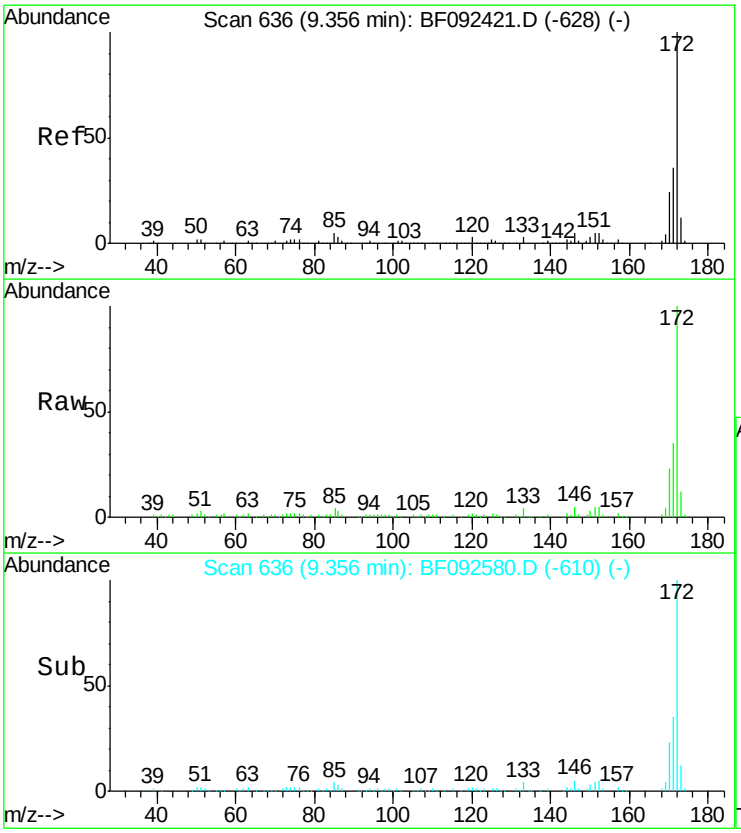
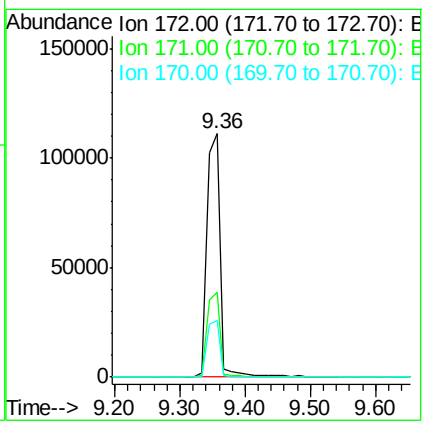
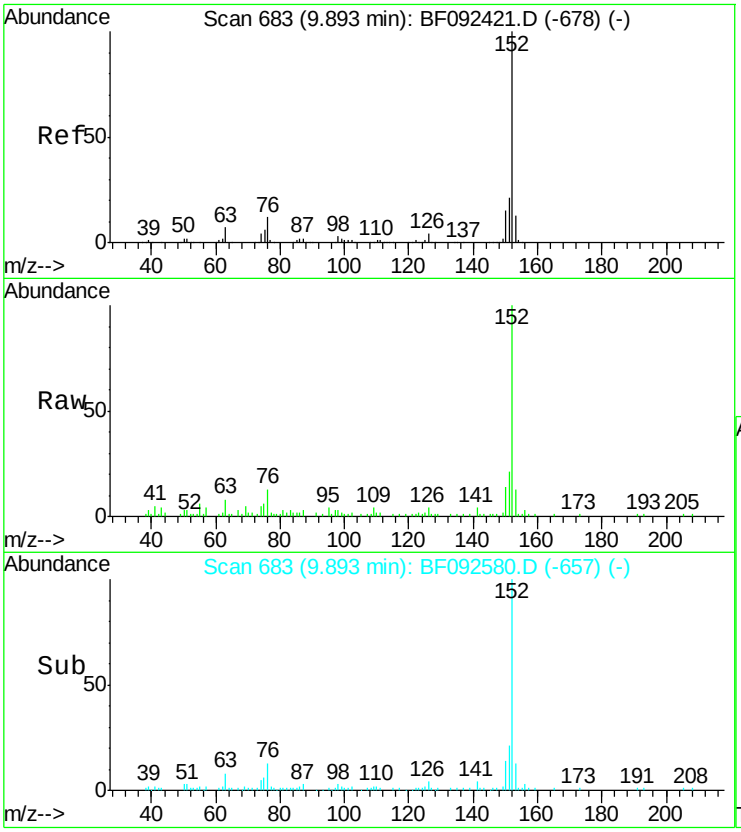


#44
2-Fluorobiphenyl
Concen: 9.29 ng
RT: 9.36 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:172 Resp: 158029

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.4	44.0
170	23.2	20.2	30.4

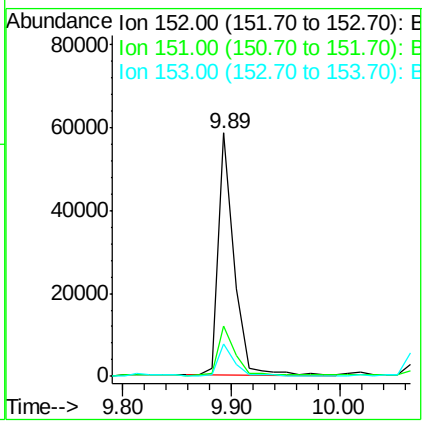




#48
Acenaphthylene
Concen: 2.18 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:152 Resp: 59338

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.9	25.3
153	13.3	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
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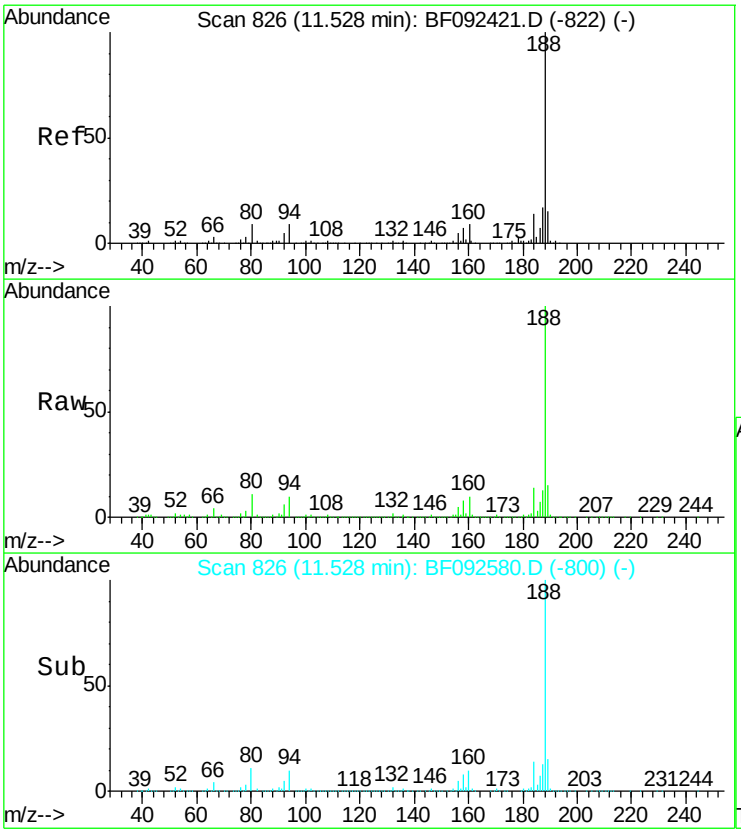
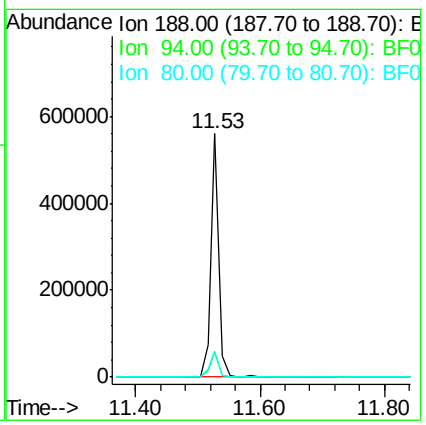
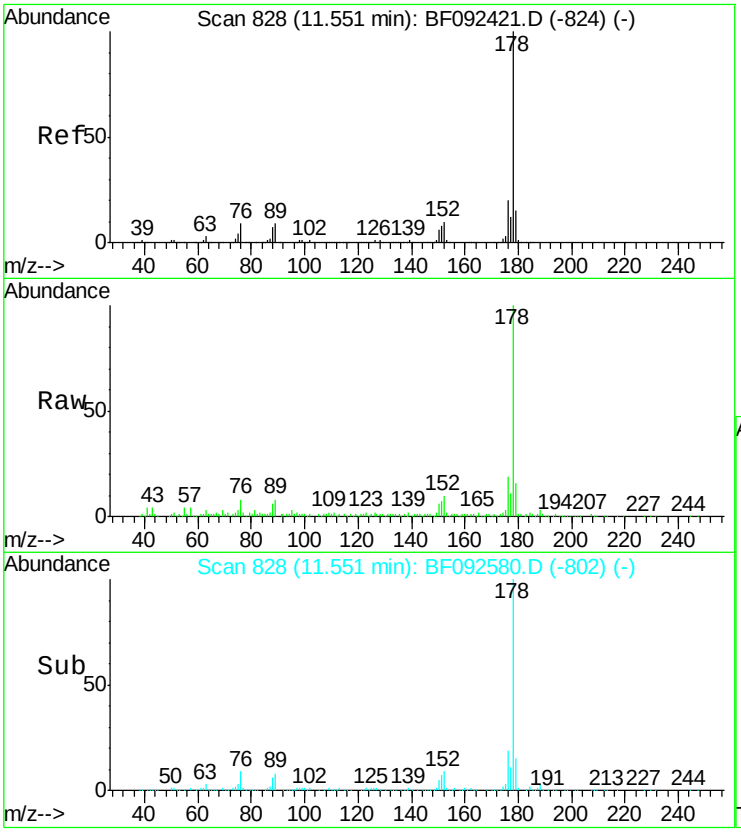


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:188 Resp: 479672

Ion	Ratio	Lower	Upper
188	100		
94	10.1	10.0	15.0
80	10.7	11.2	16.8#

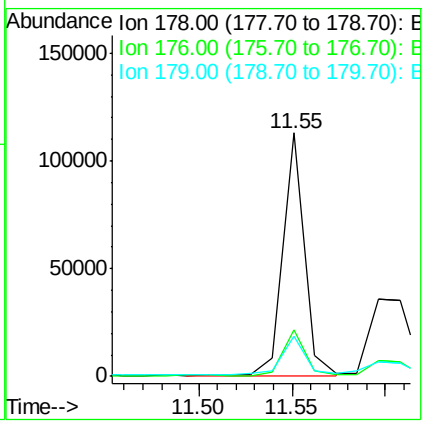




#70
Phenanthrene
Concen: 3.41 ng
RT: 11.55 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:178 Resp: 89965

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	16.2	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
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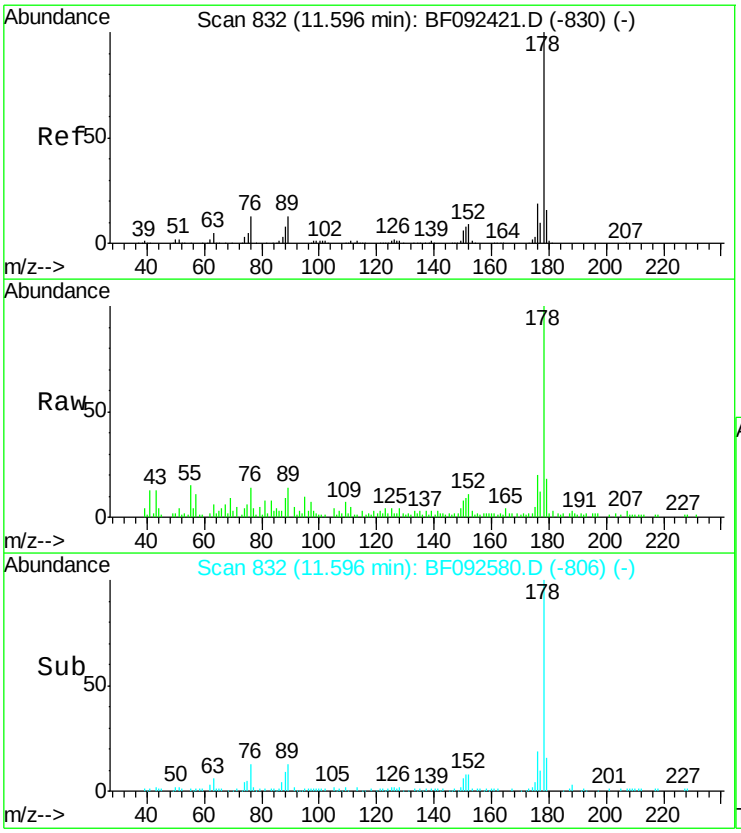
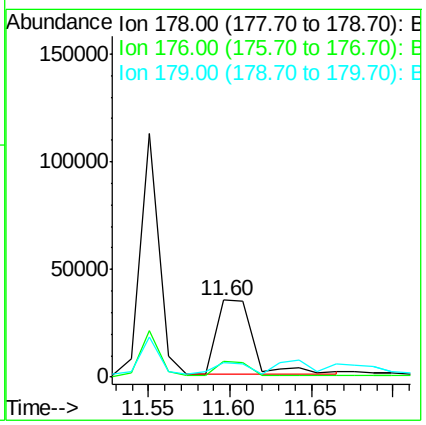
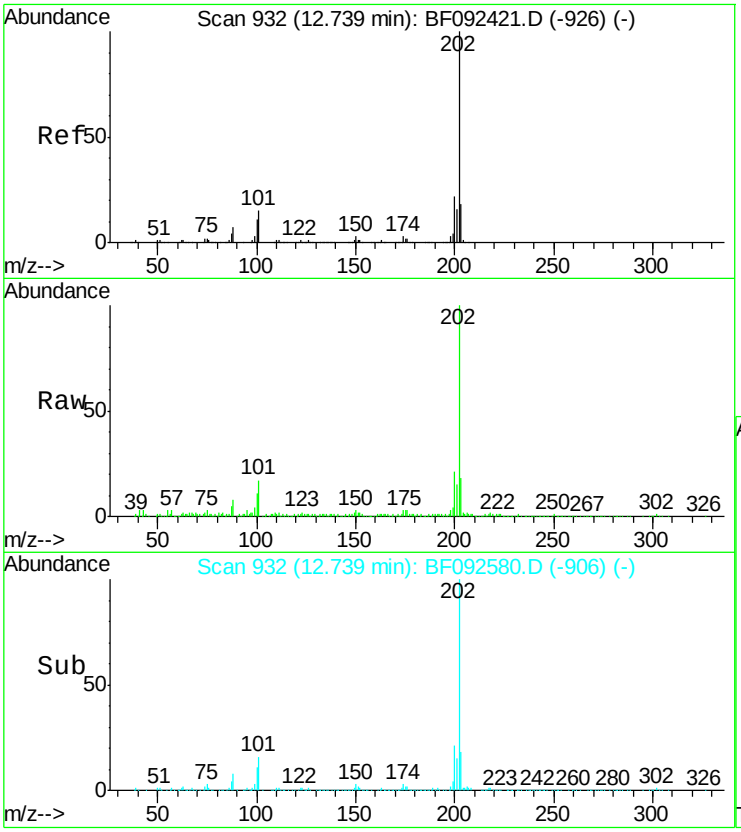


#71
Anthracene
Concen: 2.02 ng
RT: 11.60 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:178 Resp: 52253

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	18.1	13.2	19.8

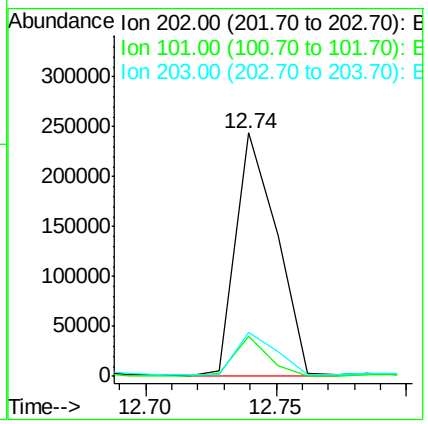




#74
Fluoranthene
Concen: 10.40 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:202 Resp: 268753

Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	34.6
203	18.0	0.0	38.7



Instrument :
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ClientSampleId :
B-1RE

Manual Integrations APPROVED
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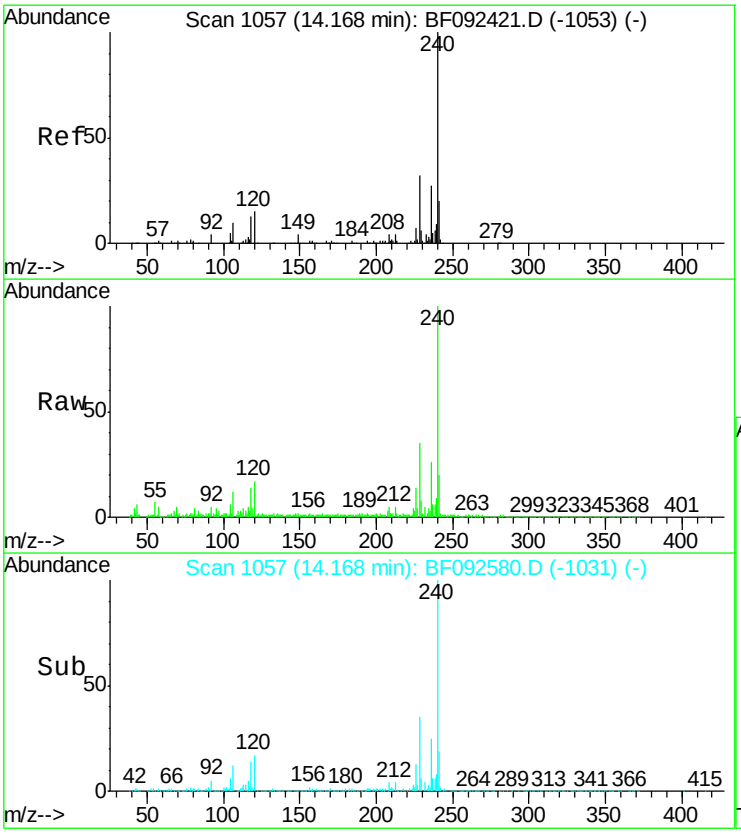
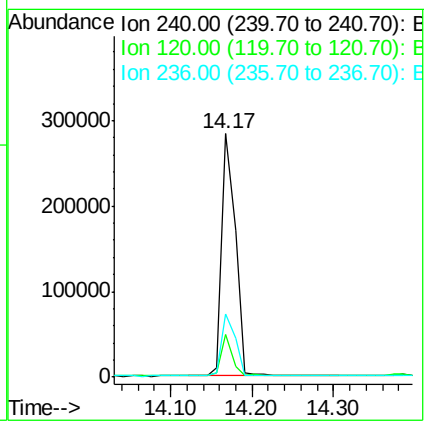
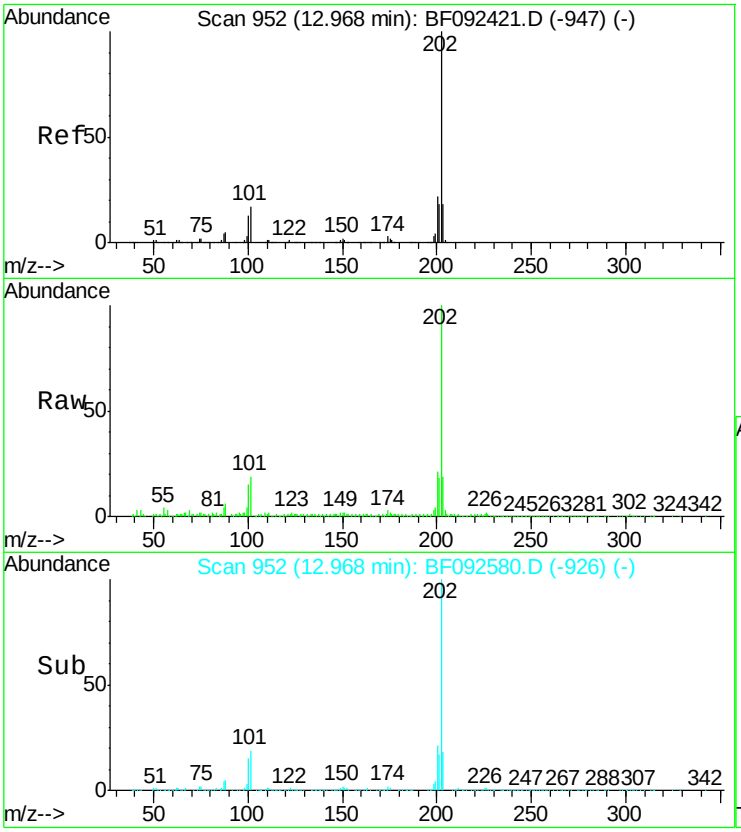


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.17 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:240 Resp: 326060

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

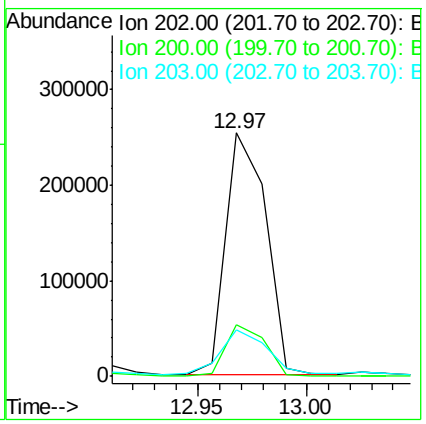




#77
Pyrene
Concen: 13.82 ng
RT: 12.97 min Scan# 952
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:202 Resp: 326551

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	19.1	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
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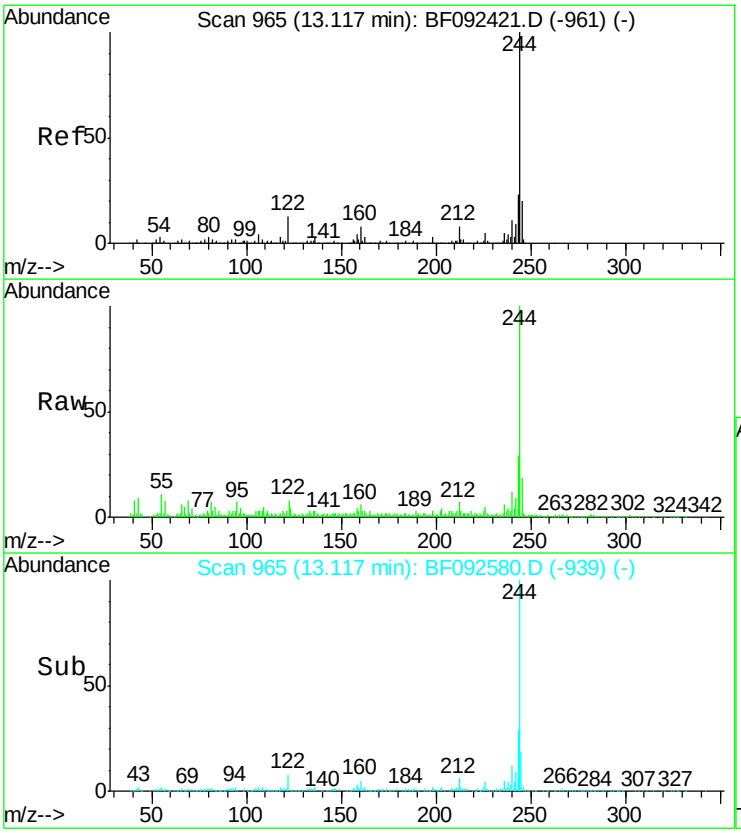
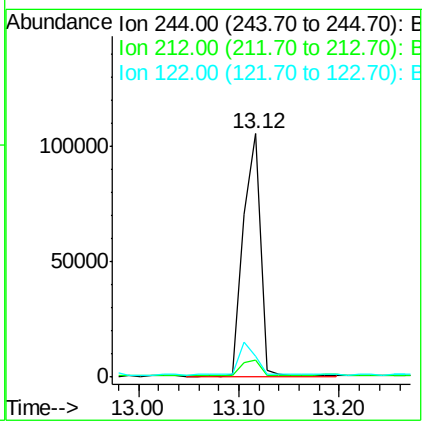
1/27/2017 5:32:58 PM

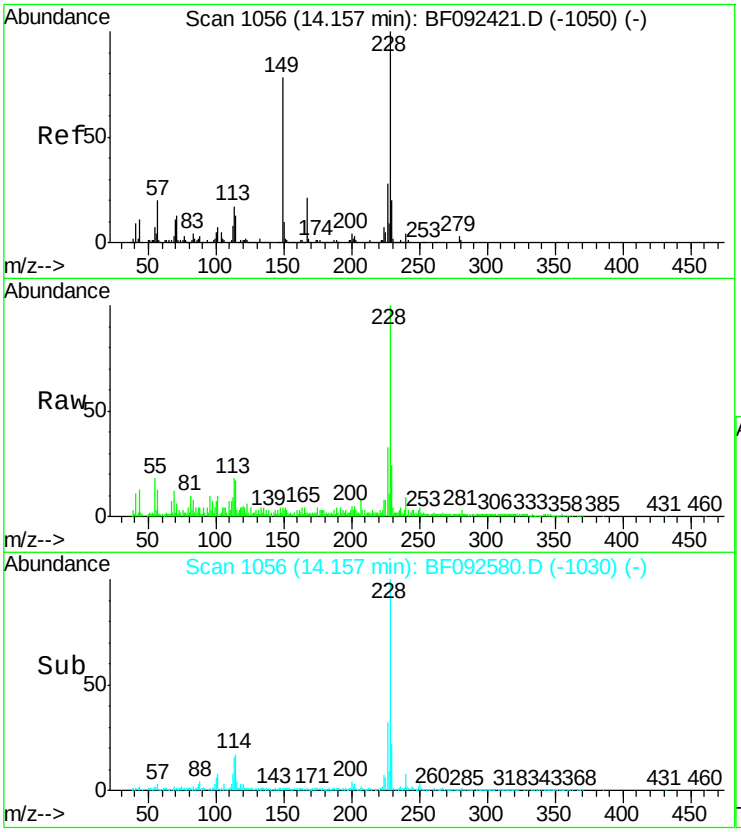


#78
Terphenyl-d14
Concen: 10.41 ng
RT: 13.12 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:244 Resp: 127466

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	8.5	11.4	17.2#

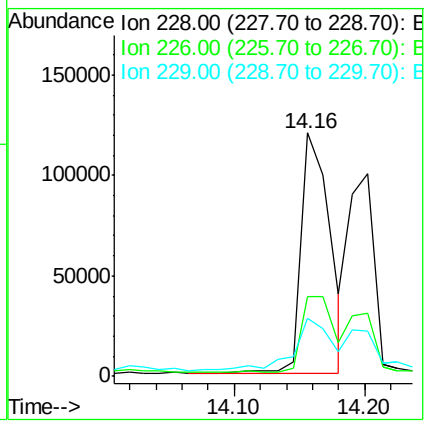




#80
Benzo(a)anthracene
Concen: 10.55 ng
RT: 14.16 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:228 Resp: 184854

Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.4	33.6
229	24.0	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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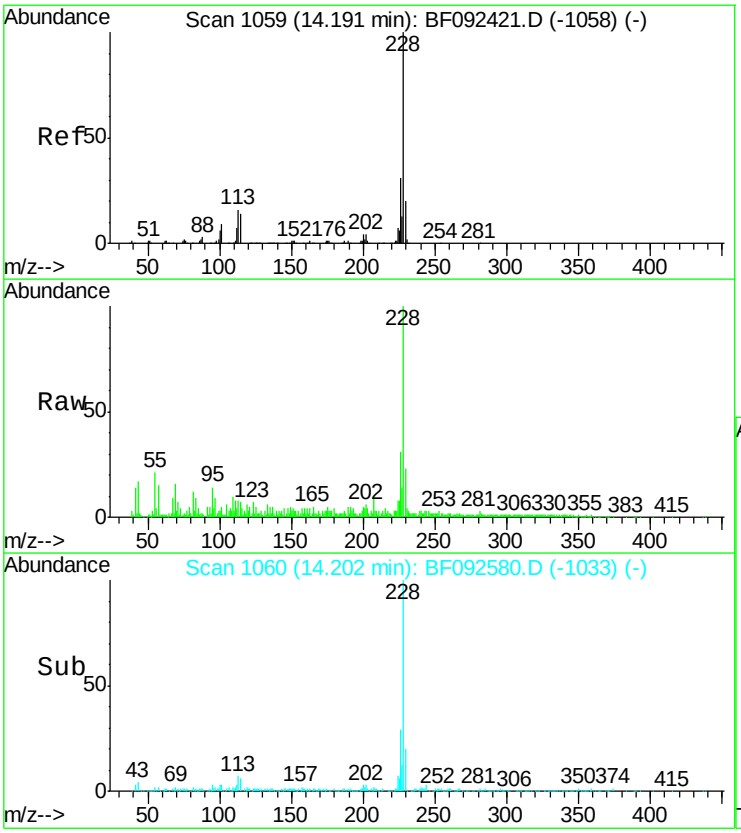
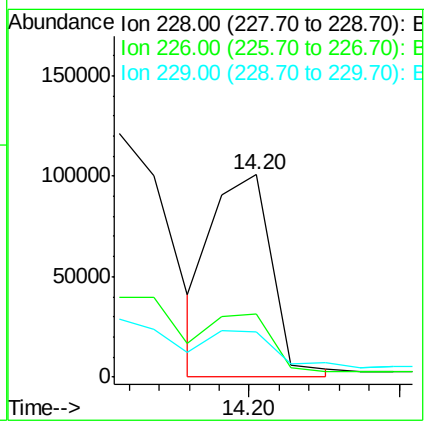
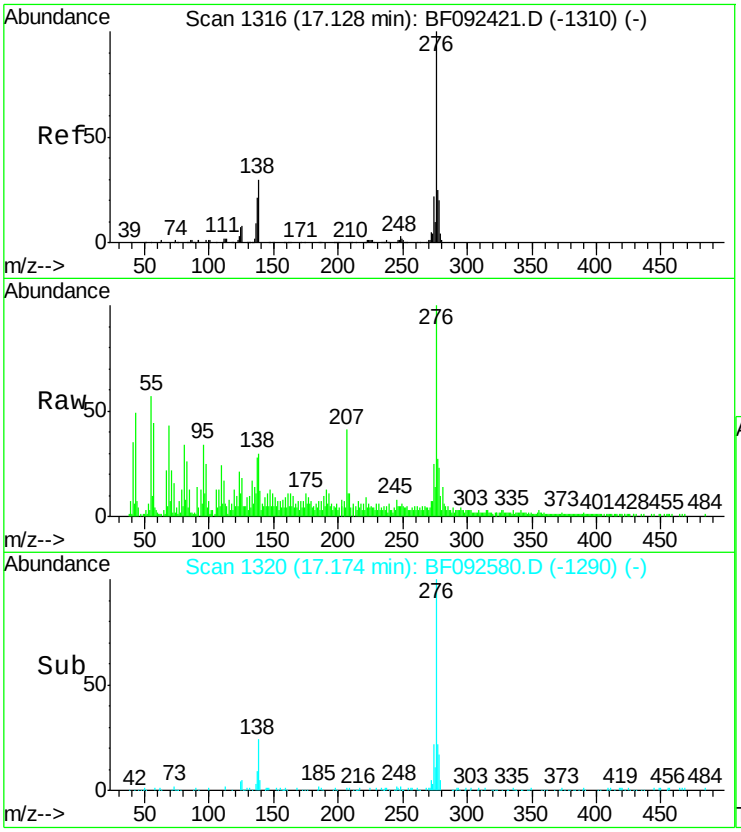


#82
Chrysene
Concen: 7.38 ng m
RT: 14.20 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:228 Resp: 138108

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	22.6	16.2	24.2

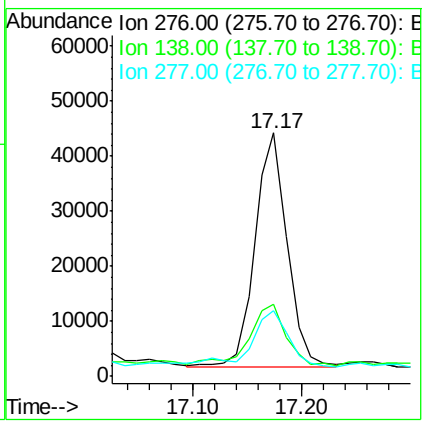




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.35 ng
RT: 17.17 min Scan# 1320
Delta R.T. 0.05 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:276 Resp: 87861

Ion	Ratio	Lower	Upper
276	100		
138	30.7	21.8	32.6
277	27.6	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
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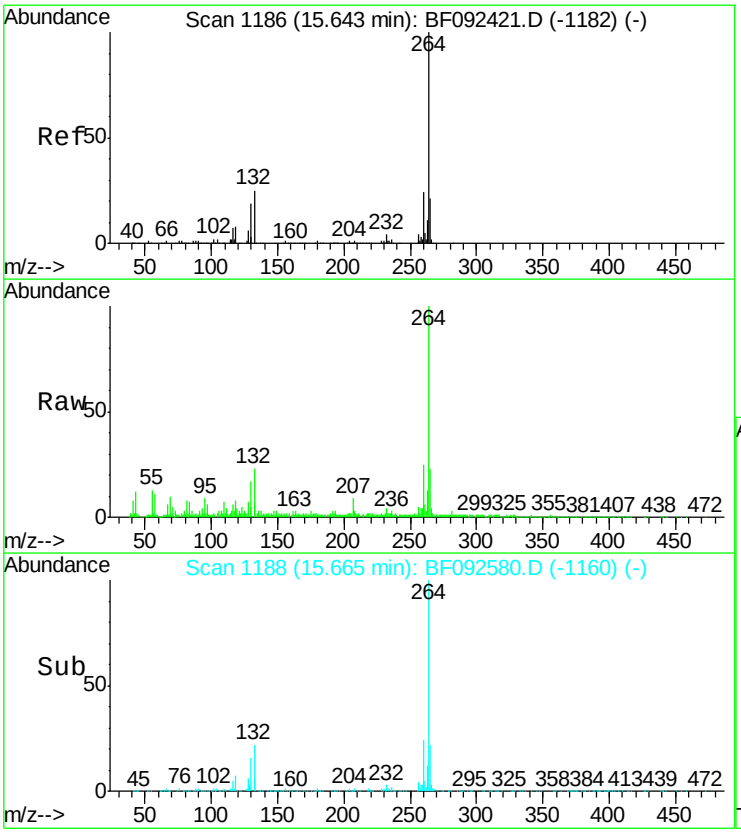
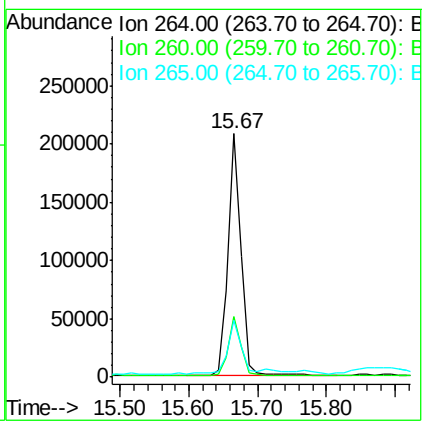
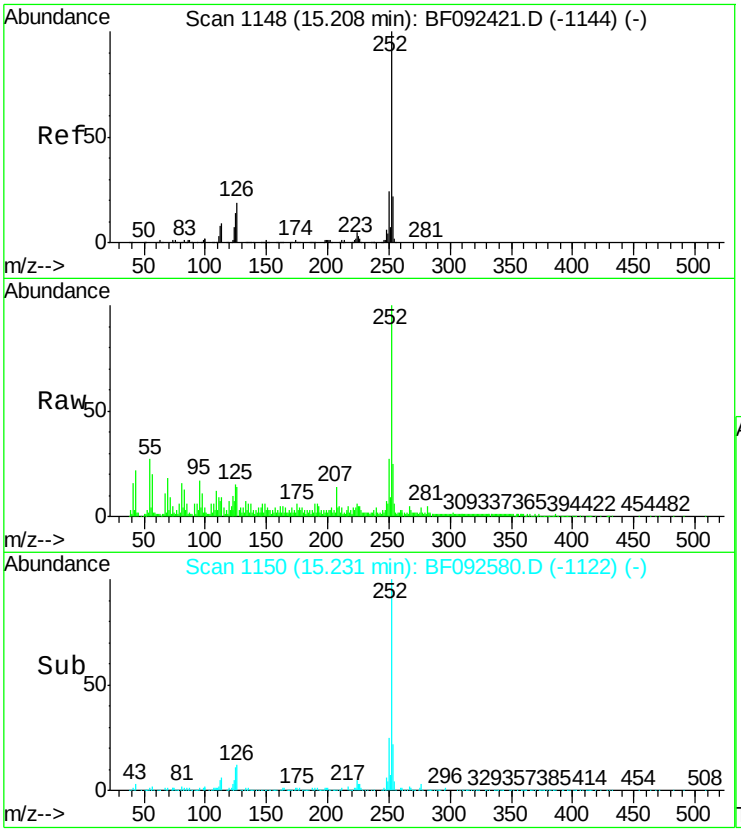


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.67 min Scan# 1188
Delta R.T. 0.02 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:264 Resp: 279330

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.2	17.4	26.0





#87
Benzo(b)fluoranthene
Concen: 11.34 ng m
RT: 15.23 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:252 Resp: 203378

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.4
125	15.4	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
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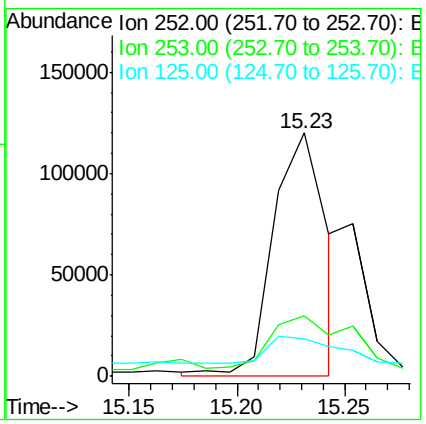
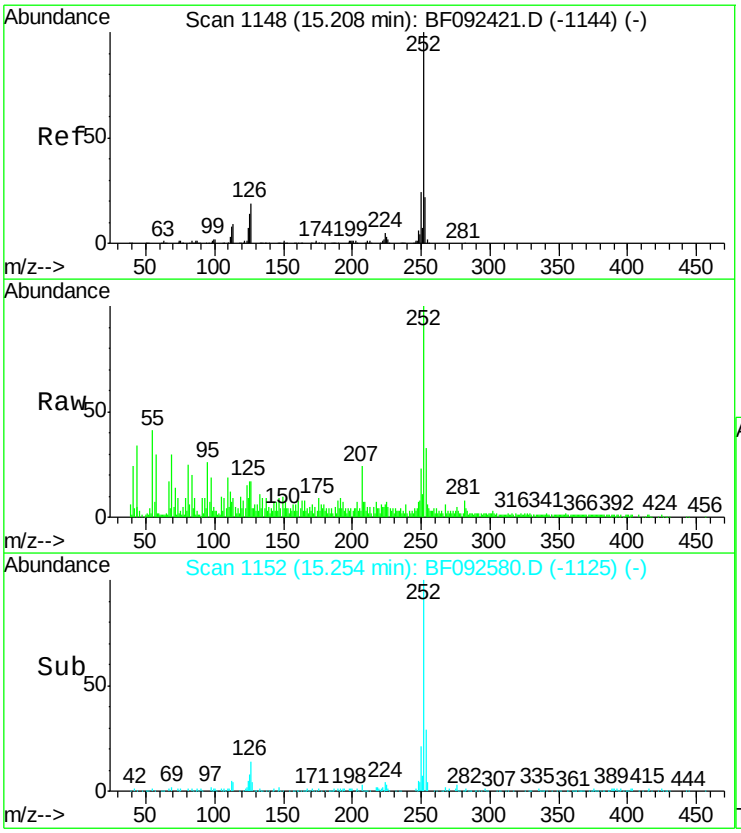
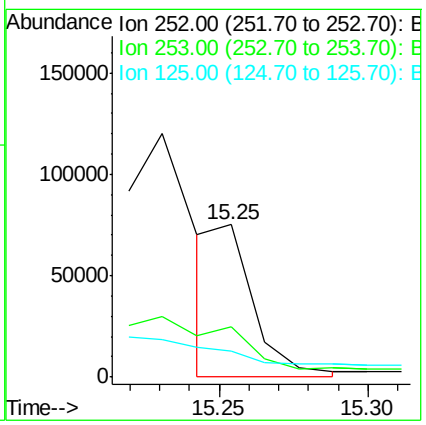


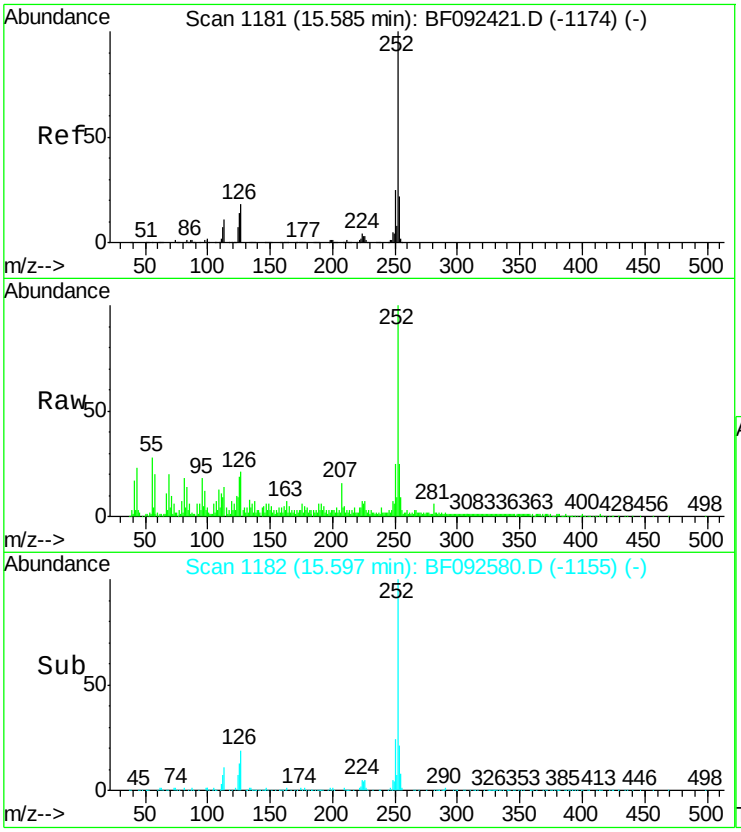


#88
Benzo(k)fluoranthene
Concen: 4.60 ng m
RT: 15.25 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:252 Resp: 68620

Ion	Ratio	Lower	Upper
252	100		
253	32.7	18.5	27.7#
125	17.0	8.9	13.3#





#89
Benzo(a)pyrene
Concen: 9.65 ng
RT: 15.60 min Scan# 1182
Delta R.T. 0.01 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:252 Resp: 146453

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	19.2	10.0	15.0#

Instrument :
BNA_F
ClientSampleId :
B-1RE

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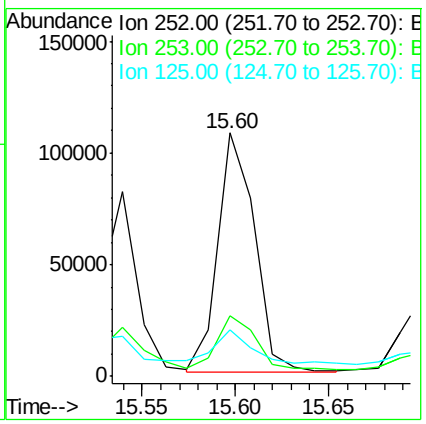

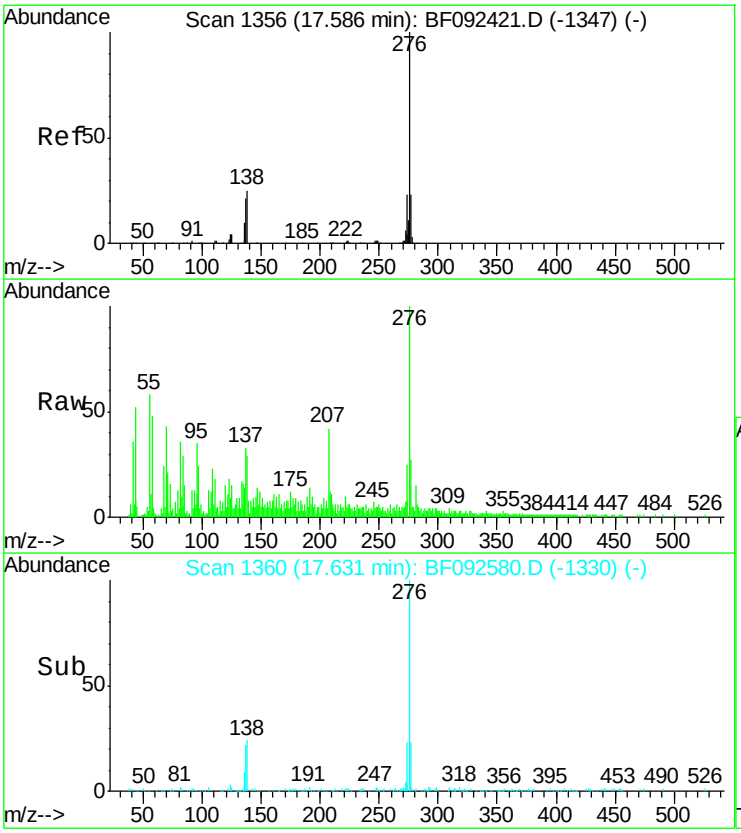

#91
Benzo(g,h,i)perylene
Concen: 7.11 ng
RT: 17.63 min Scan# 1360
Delta R.T. 0.05 min
Lab File: BF092580.D
Acq: 27 Jan 2017 16:33

Tgt Ion:276 Resp: 88143

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.2	28.8
138	29.3	16.0	24.0#