Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF112003.D
Acq On : 10 Jan 2019 22:27
Operator : JU/SJ
Sample : K1015-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

Manual Integrations APPROVED
Sohil
1/11/2019 4:42:59 PM

Quant Time: Jan 11 02:48:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	87532	20.00	ng		-0.02
21) Naphthalene-d8	8.16	136	299732	20.00	ng		-0.02
39) Acenaphthene-d10	9.92	164	138199	20.00	ng		-0.02
64) Phenanthrene-d10	11.40	188	275811	20.00	ng		-0.02
76) Chrysene-d12	14.04	240	248761	20.00	ng		-0.02
87) Perylene-d12	15.52	264	186054	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	264157	51.63	ng		-0.02
7) Phenol-d6	6.51	99	323423	49.04	ng		-0.02
23) Nitrobenzene-d5	7.43	82	185178	33.02	ng		-0.02
42) 2,4,6-Tribromophenol	10.70	330	84465	46.99	ng		-0.02
45) 2-Fluorobiphenyl	9.23	172	301448	31.81	ng		-0.02
79) Terphenyl-d14	12.98	244	382089	29.16	ng		-0.02
Target Compounds							Qvalue
50) Dimethylphthalate	9.62	163	67208	6.474	ng		98
52) Acenaphthene	9.95	154	19896	2.301	ng		99
58) Fluorene	10.46	166	27865	3.045	ng		96
71) Phenanthrene	11.42	178	276340	18.740	ng		99
72) Anthracene	11.47	178	70127	4.685	ng		96
75) Fluoranthene	12.62	202	390768	25.813	ng		99
78) Pyrene	12.84	202	353958	20.680	ng		99
81) Benzo(a)anthracene	14.03	228	148091	10.344	ng		98
83) Chrysene	14.07	228	121509	8.901	ng		97
86) Indeno(1,2,3-cd)pyrene	17.01	276	58859	5.914	ng		95
88) Benzo(b)fluoranthene	15.09	252	125348m	11.263	ng		
89) Benzo(k)fluoranthene	15.12	252	46611m	4.455	ng		
90) Benzo(a)pyrene	15.46	252	98422	10.057	ng	#	96
92) Benzo(g,h,i)perylene	17.46	276	56162	7.295	ng		96

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

Quantitation Report (LSC Reviewed)

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Manual Integrations APPROVED
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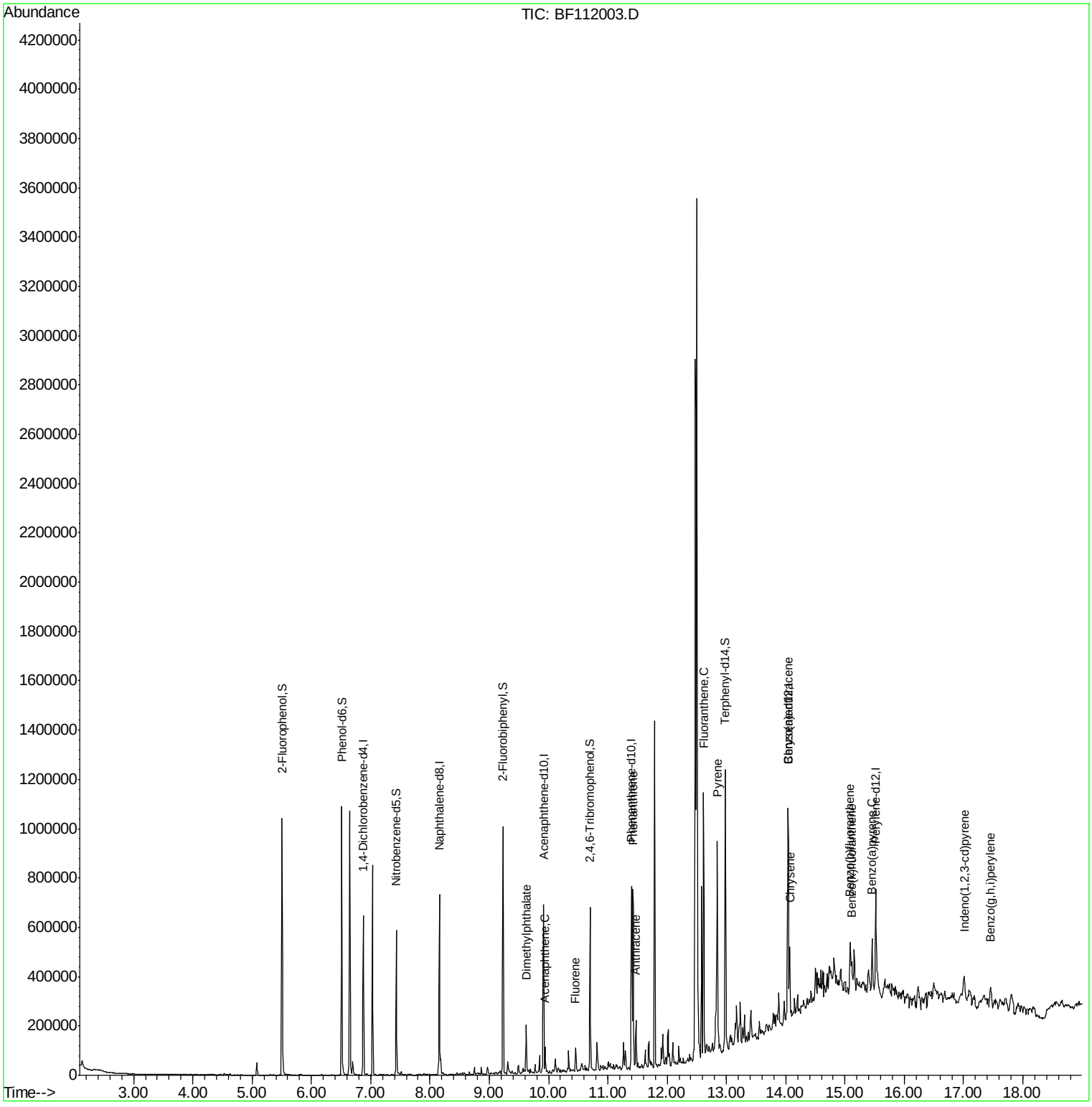
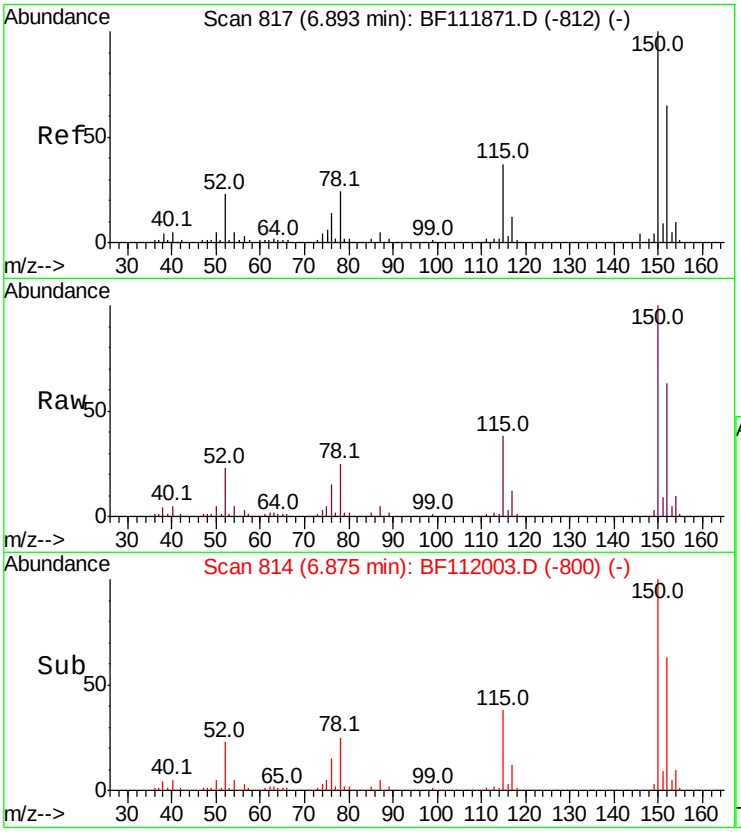
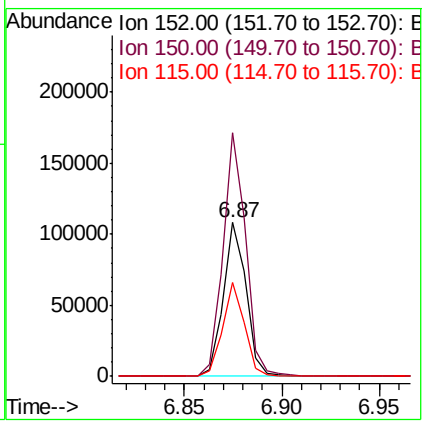




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:152 Resp: 87532

Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.7	184.1
115	60.8	45.2	67.8



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

Manual Integrations APPROVED
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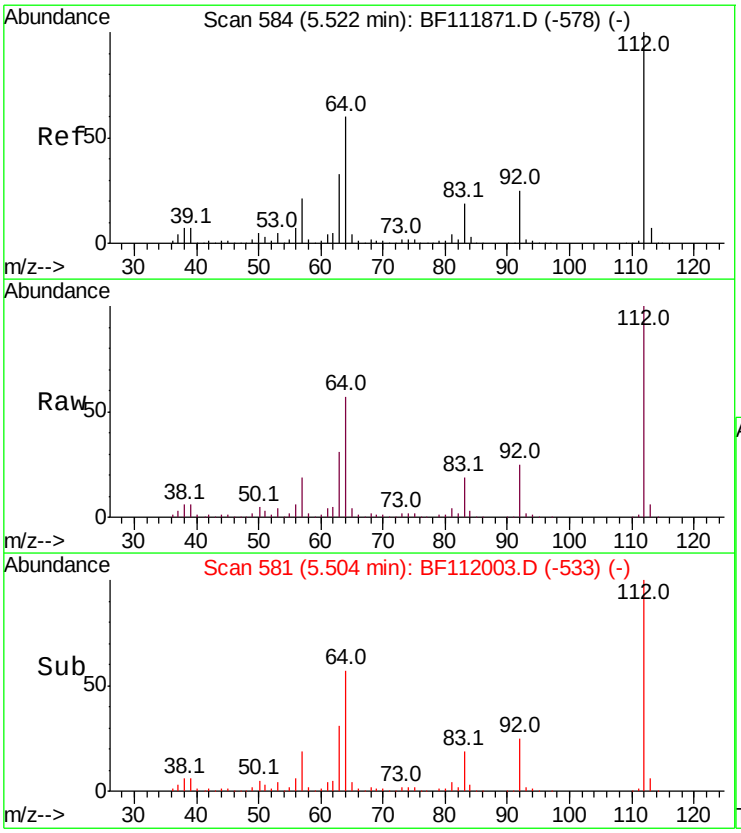
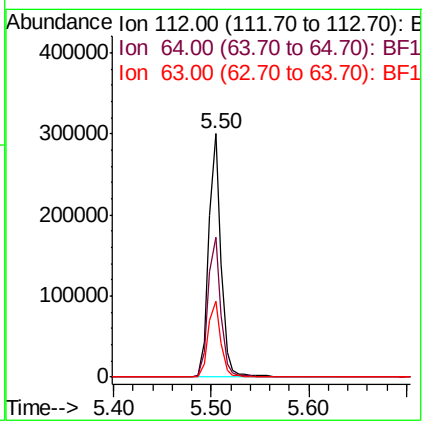
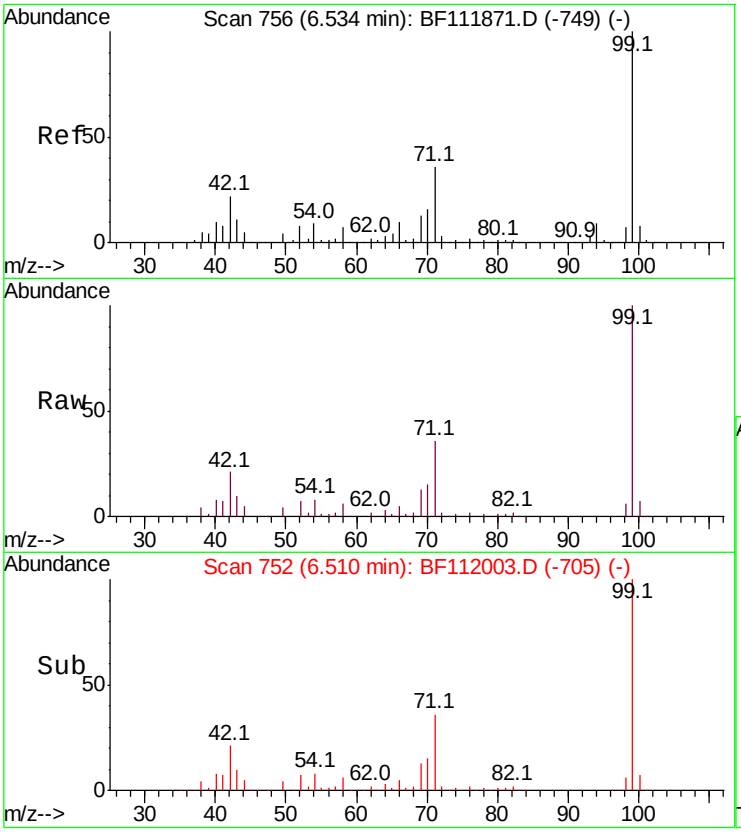


#5
2-Fluorophenol
Concen: 51.630 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:112 Resp: 264157

Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.3	72.5
63	30.9	26.1	39.1

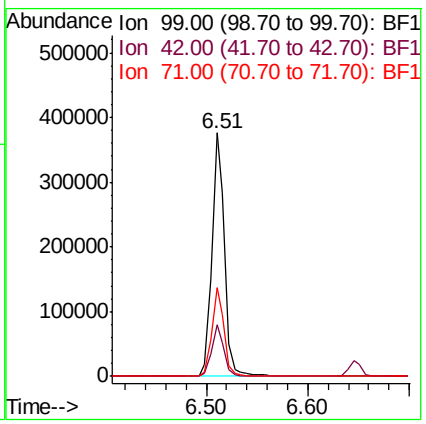




#7
Phenol-d6
Concen: 49.045 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion: 99 Resp: 323423

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.9	26.9
71	36.2	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

Manual Integrations APPROVED
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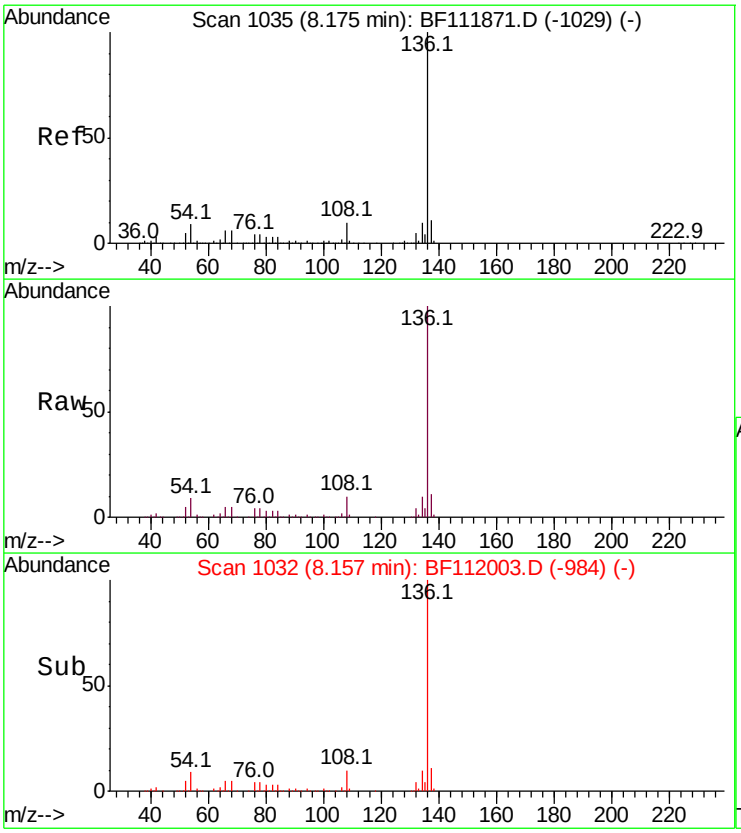
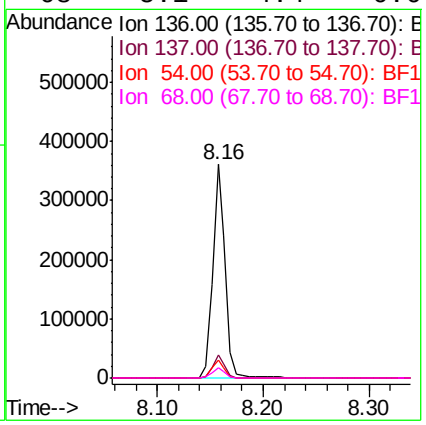
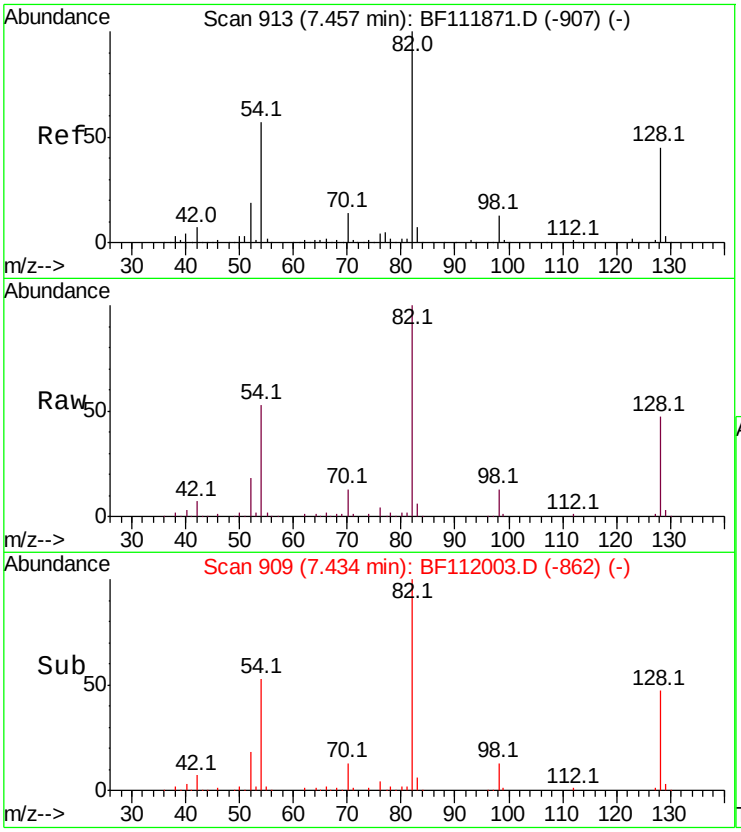


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:136 Resp: 299732

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	8.6	7.2	10.8
68	5.1	4.4	6.6

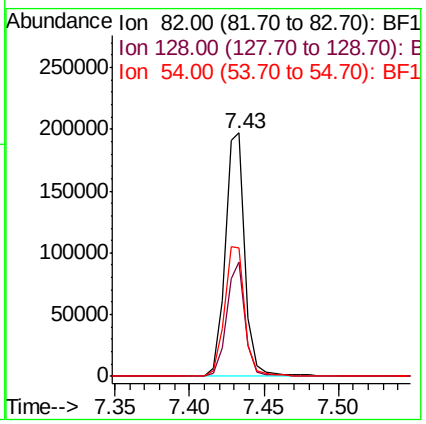




#23
Nitrobenzene-d5
Concen: 33.019 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion: 82 Resp: 185178

Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.7	53.5
54	52.6	45.8	68.8



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

Manual Integrations APPROVED
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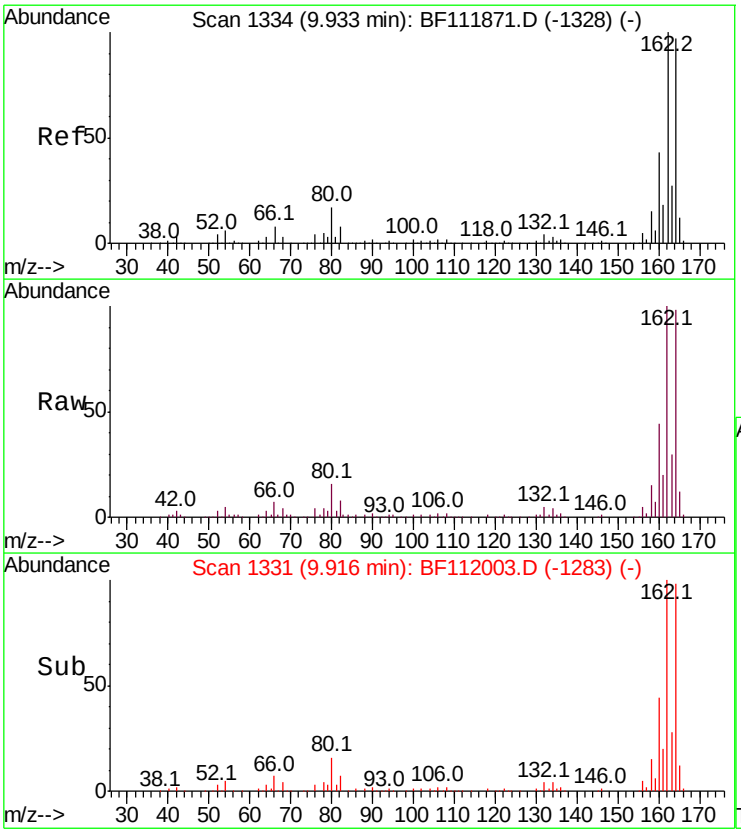
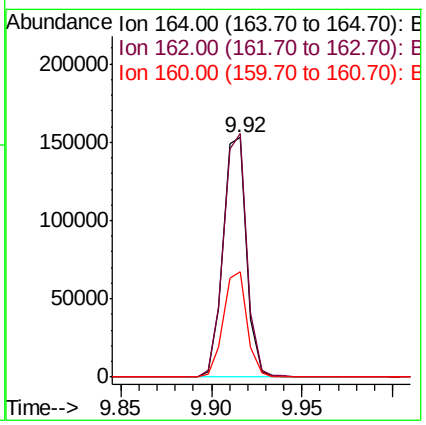
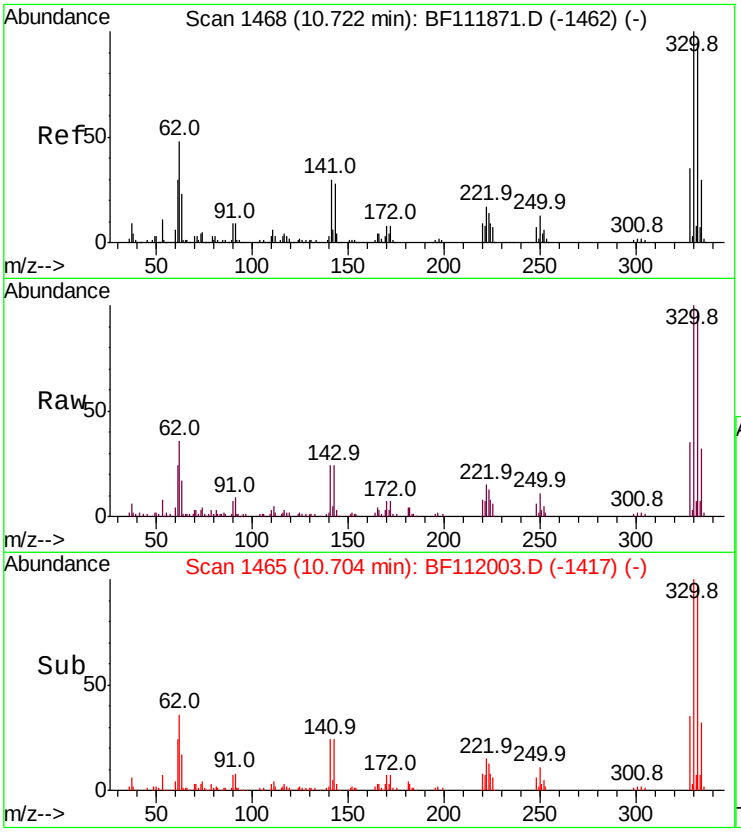


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:164 Resp: 138199

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	44.3	35.5	53.3

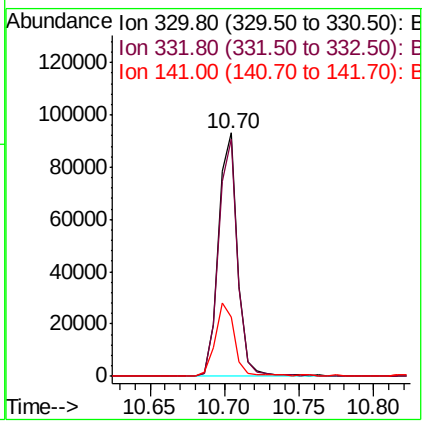




#42
2,4,6-Tribromophenol
Concen: 46.989 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:330 Resp: 84465

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	30.4	23.7	35.5



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

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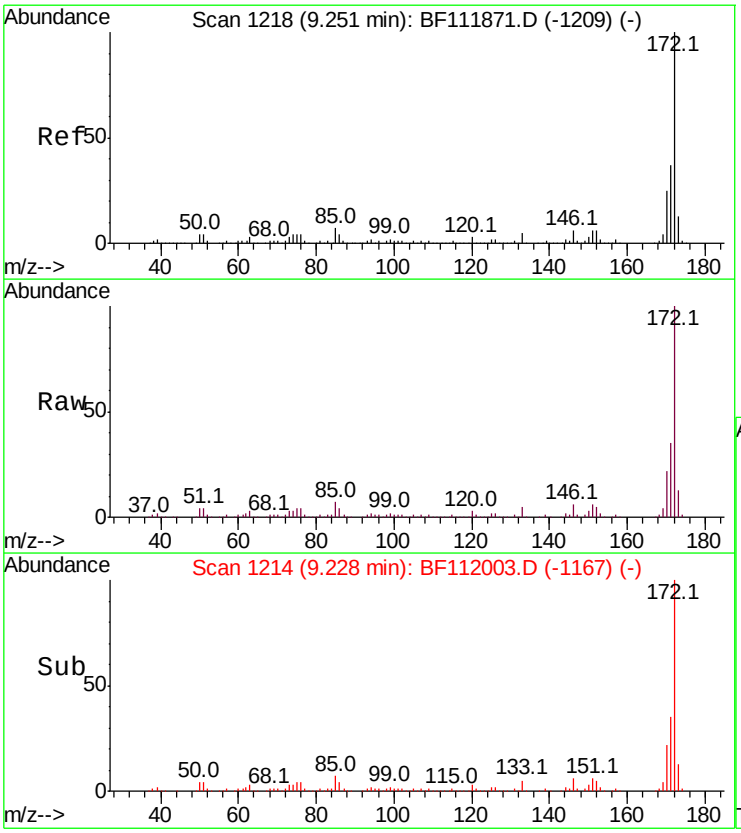
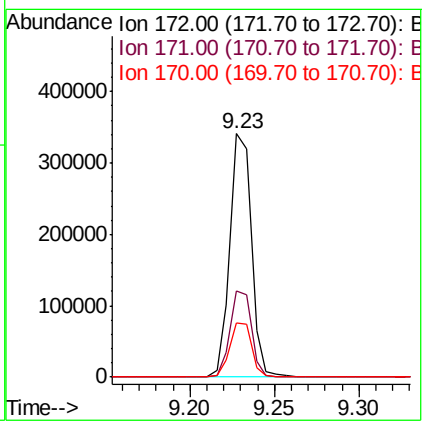
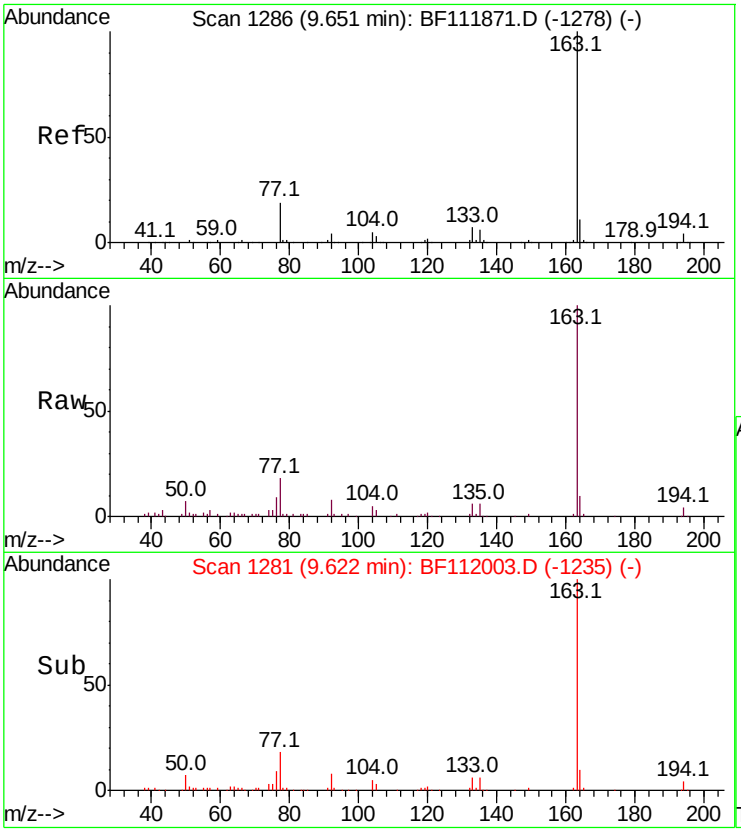


#45
2-Fluorobiphenyl
Concen: 31.807 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:172 Resp: 301448

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.2	19.8	29.8

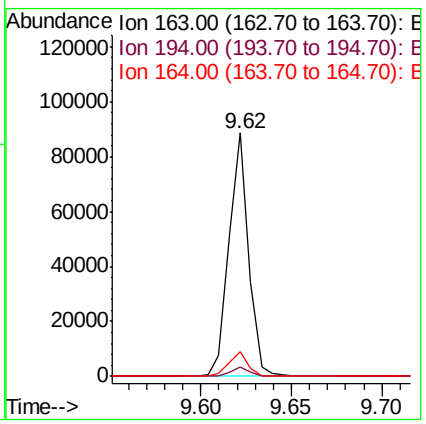




#50
Dimethylphthalate
Concen: 6.474 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:163 Resp: 67208

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.2
164	10.0	8.5	12.7



Instrument :
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ClientSampleId :
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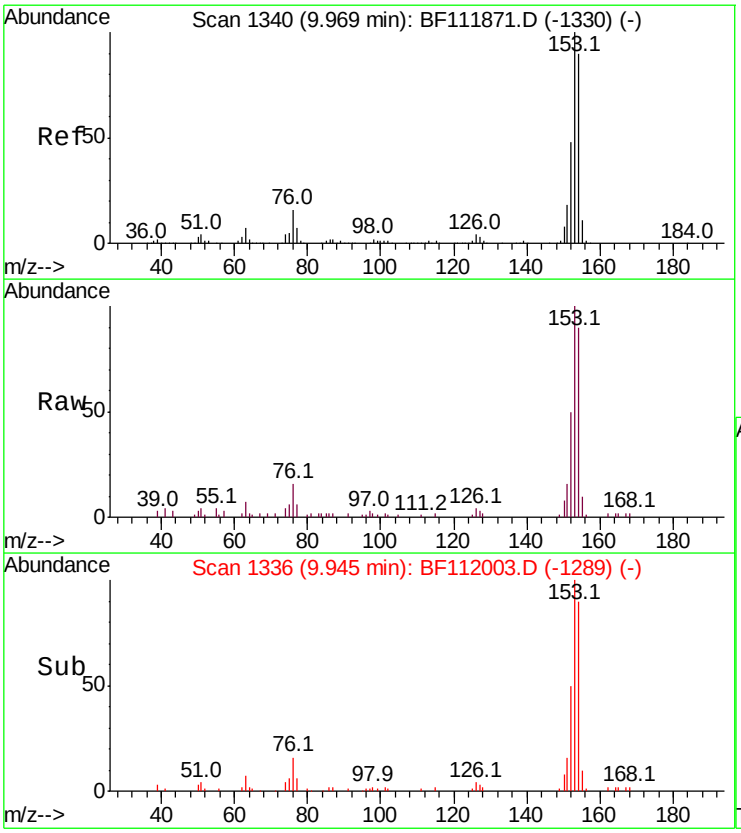
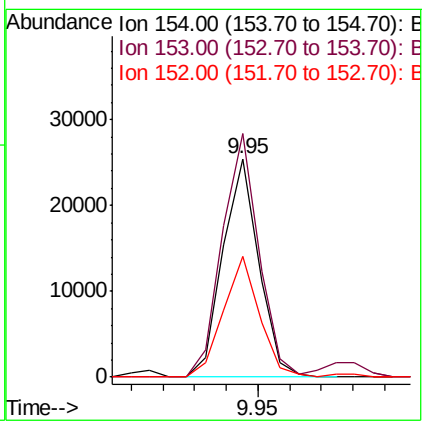
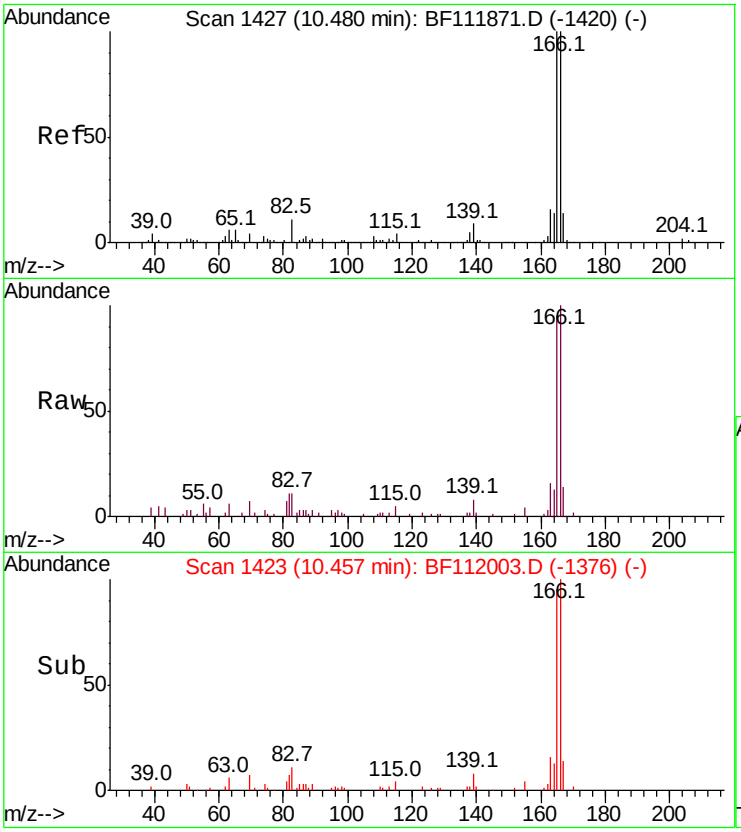


#52
Acenaphthene
Concen: 2.301 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:154 Resp: 19896

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.4	134.0
152	55.6	43.1	64.7

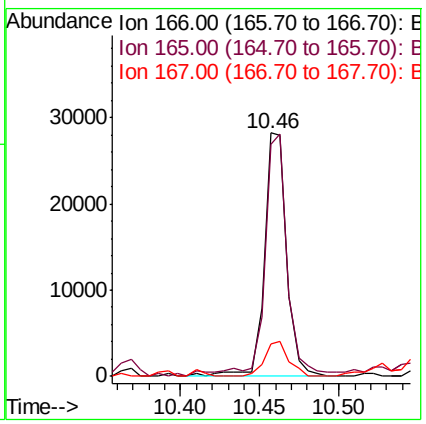




#58
Fluorene
Concen: 3.045 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:166 Resp: 27865

Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.7	119.5
167	13.5	11.1	16.7



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ClientSampleId :
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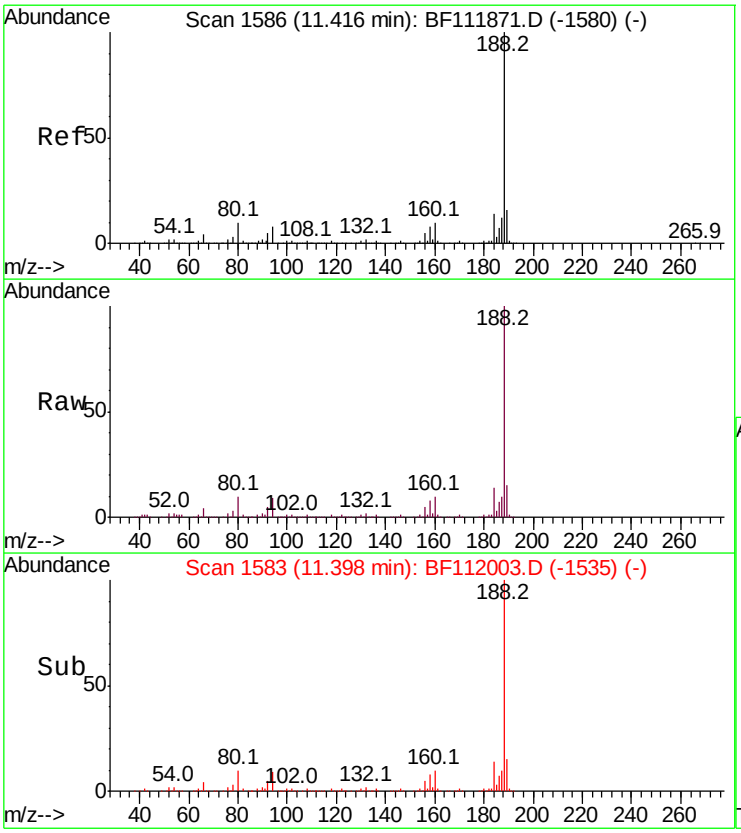
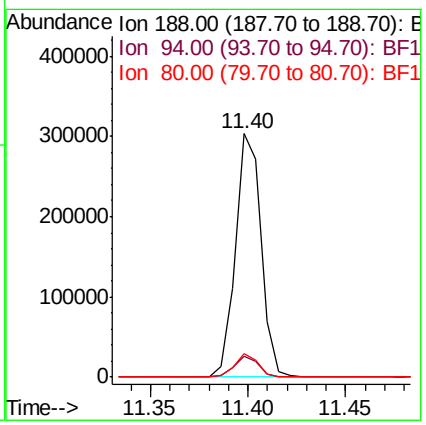
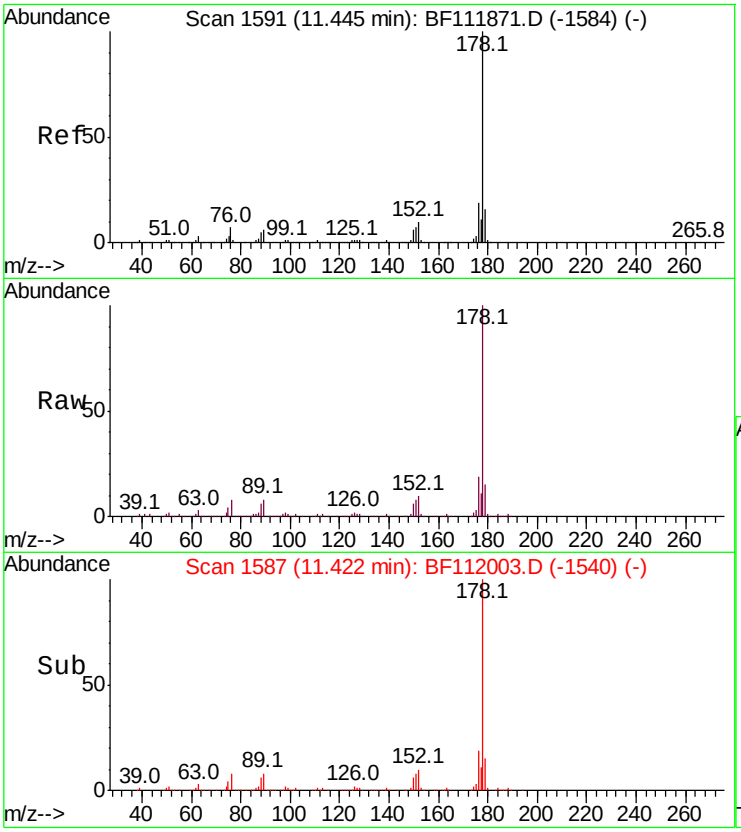


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:188 Resp: 275811

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.7	7.7	11.5

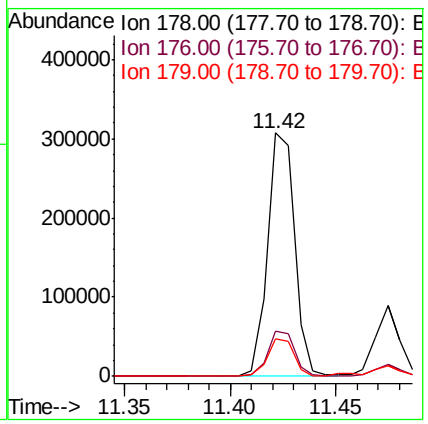




#71
Phenanthrene
Concen: 18.740 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:178 Resp: 276340

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.4	12.6	18.8



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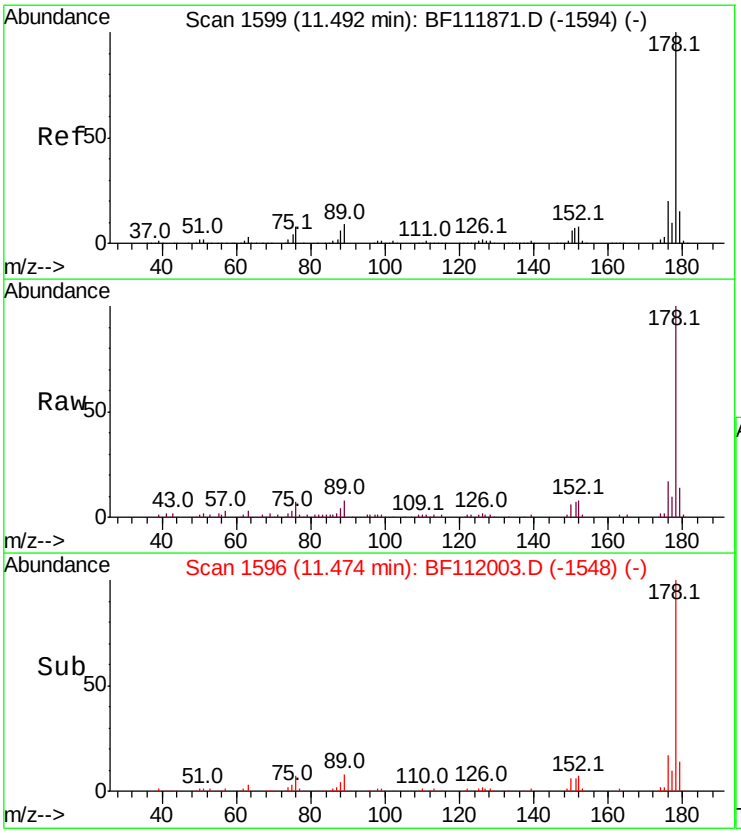
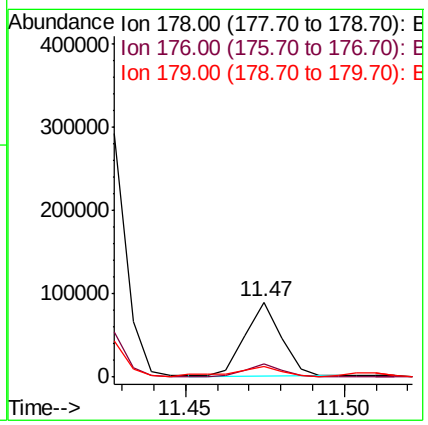
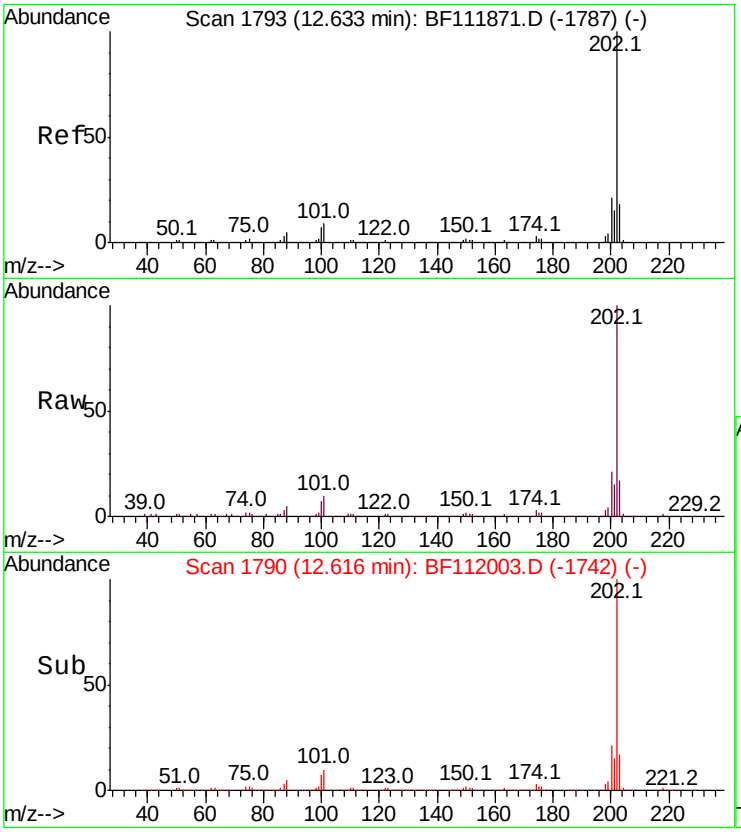


#72
Anthracene
Concen: 4.685 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:178 Resp: 70127

Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.7	23.5
179	14.2	12.4	18.6

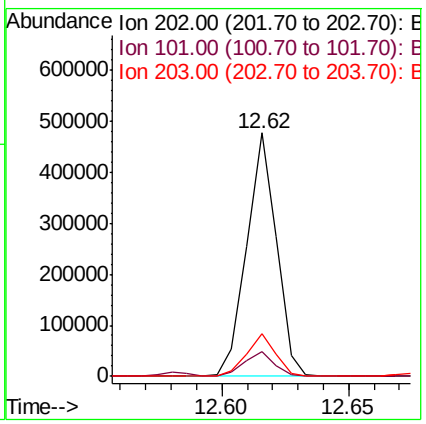




#75
Fluoranthene
Concen: 25.813 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:202 Resp: 390768

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.3
203	17.3	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

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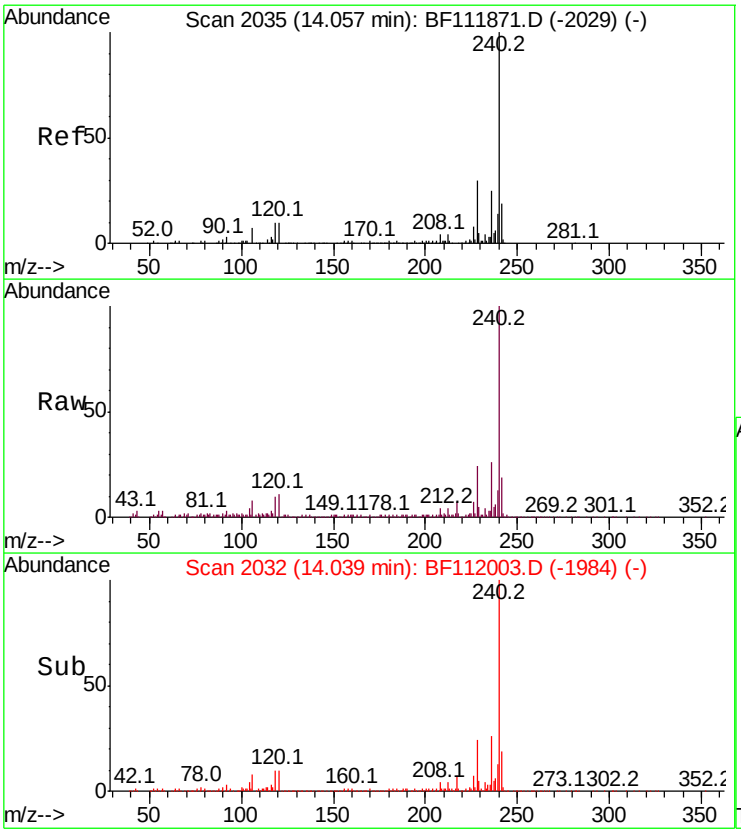
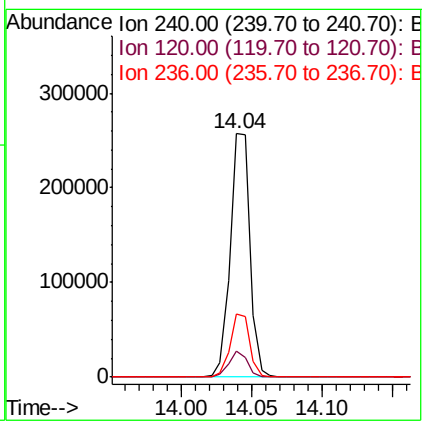
Sohil
1/11/2019 4:42:59 PM

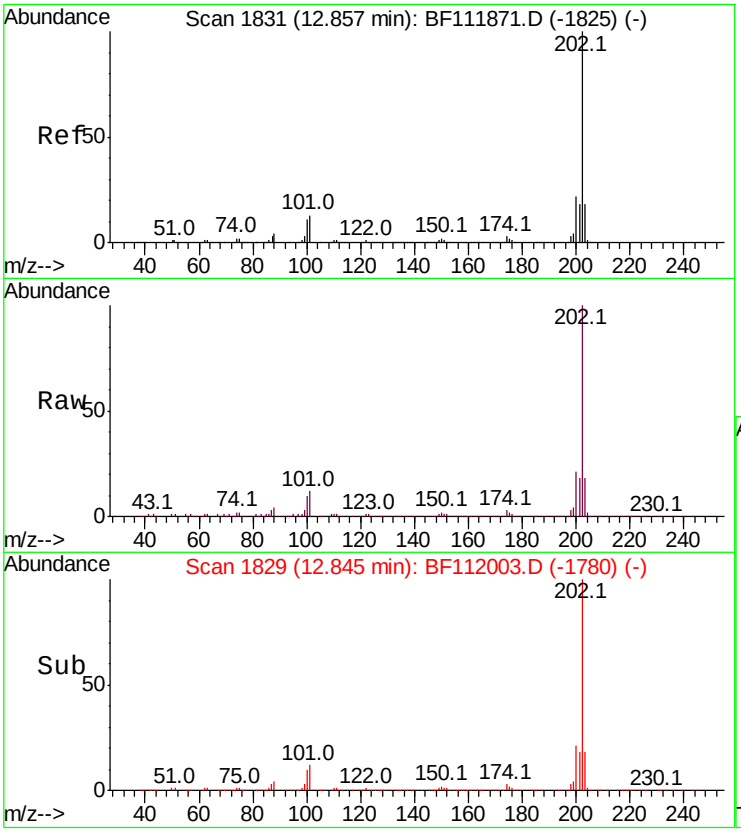


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:240 Resp: 248761

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	26.0	20.2	30.4

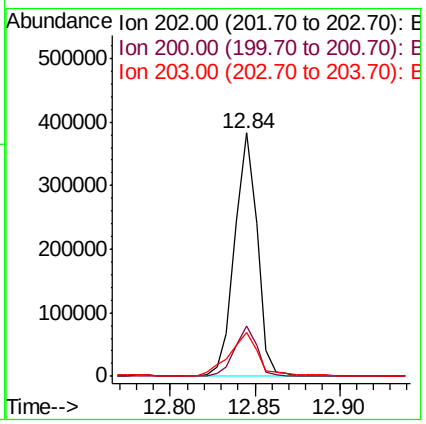




#78
Pyrene
Concen: 20.680 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:202 Resp: 353958

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.9	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

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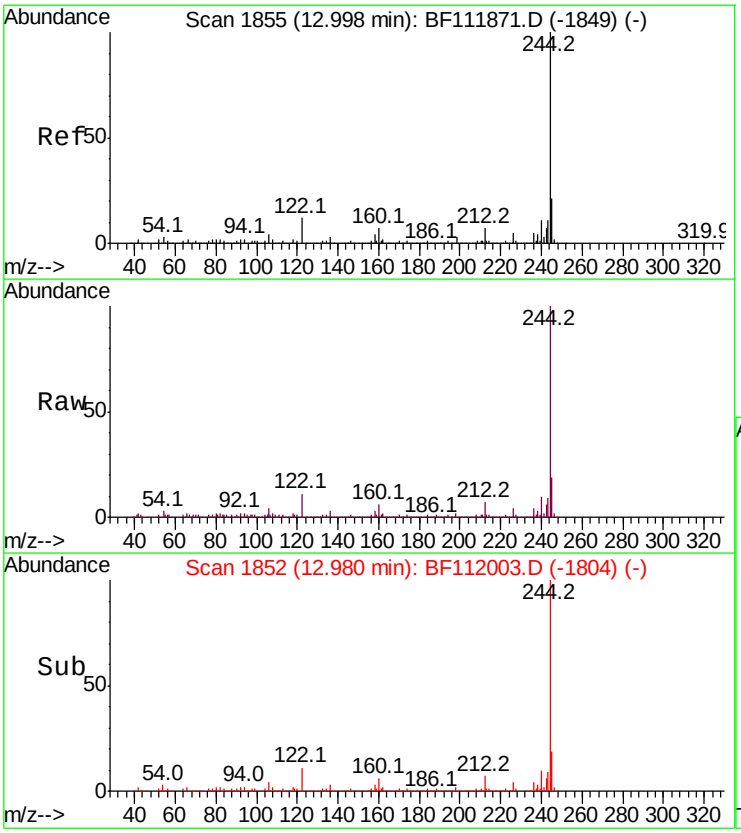
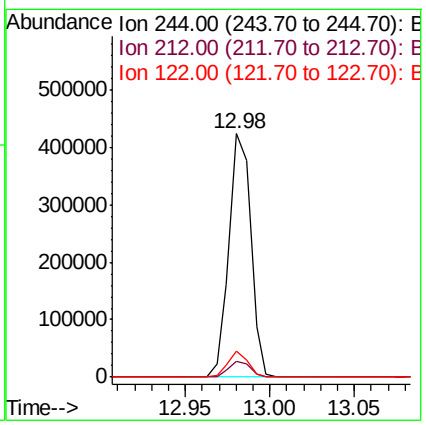
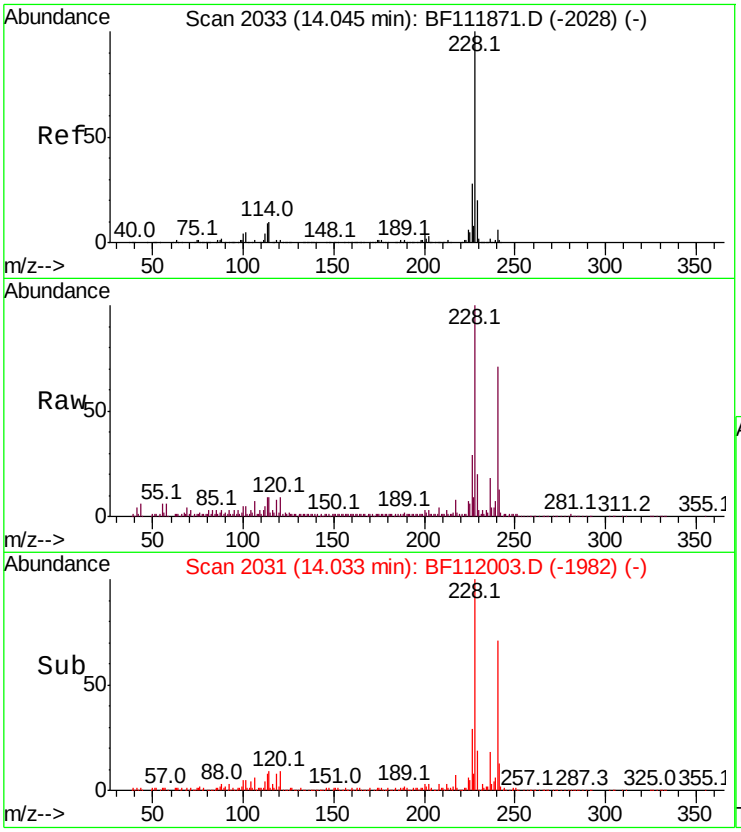


#79
Terphenyl-d14
Concen: 29.156 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:244 Resp: 382089

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.9	9.5	14.3

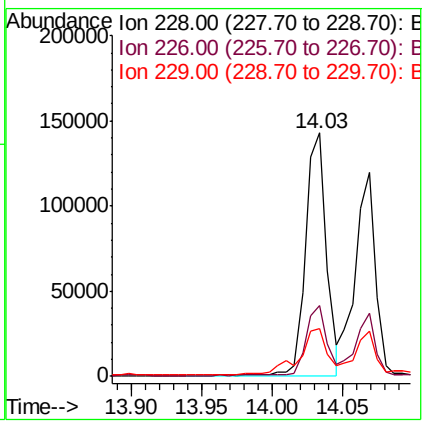




#81
Benzo(a)anthracene
Concen: 10.344 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:228 Resp: 148091

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.2
229	19.7	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SU-03-010918-B

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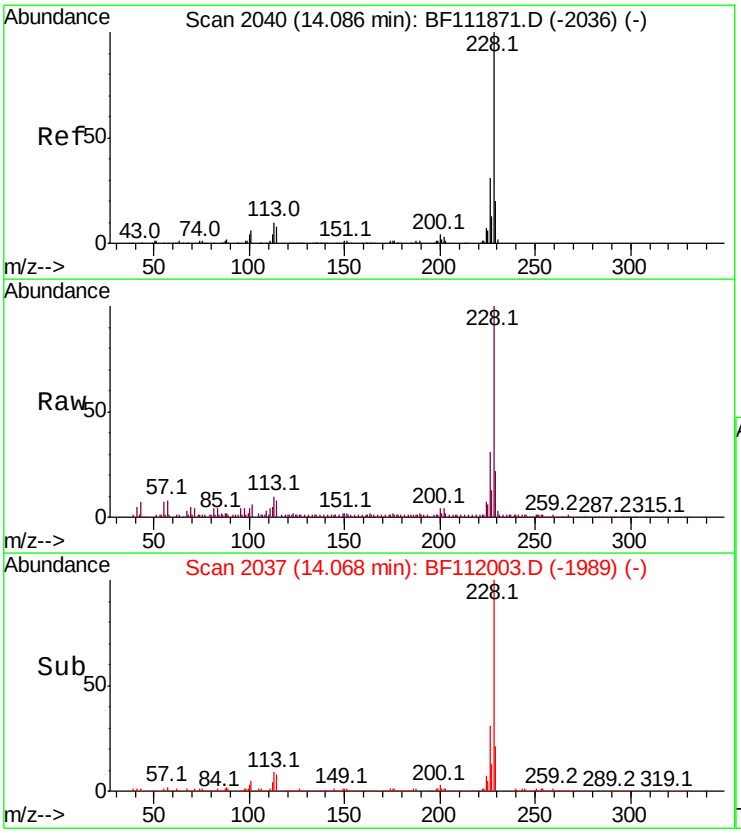
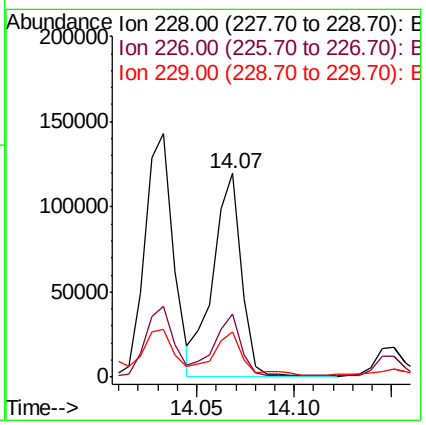
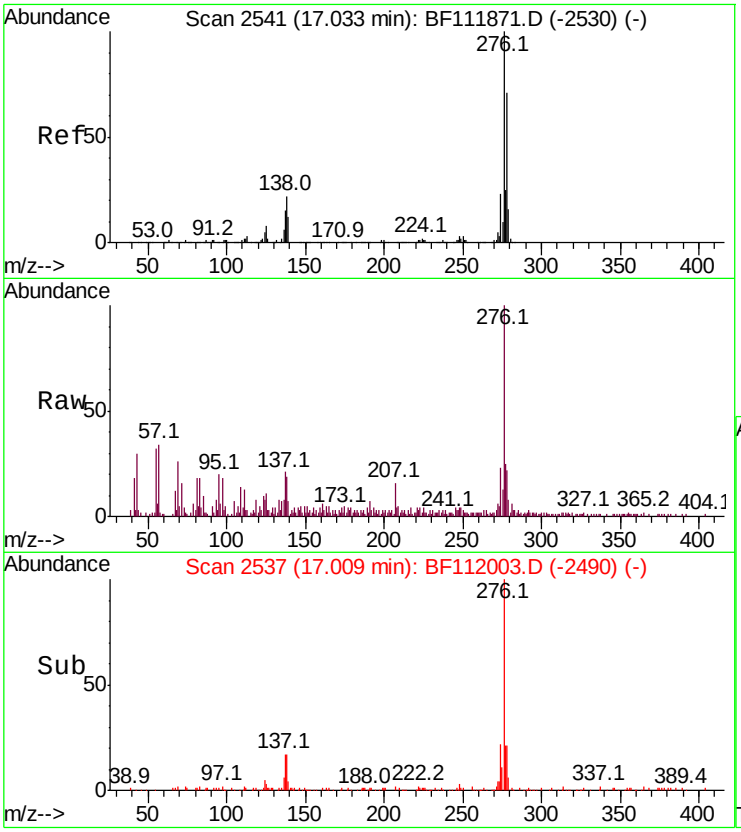


#83
Chrysene
Concen: 8.901 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:228 Resp: 121509

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	22.1	15.7	23.5

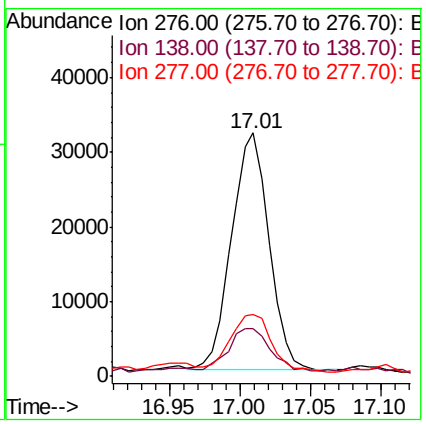




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.914 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:276 Resp: 58859

Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.1	27.1
277	26.6	19.9	29.9



Instrument :
BNA_F
ClientSampleId :
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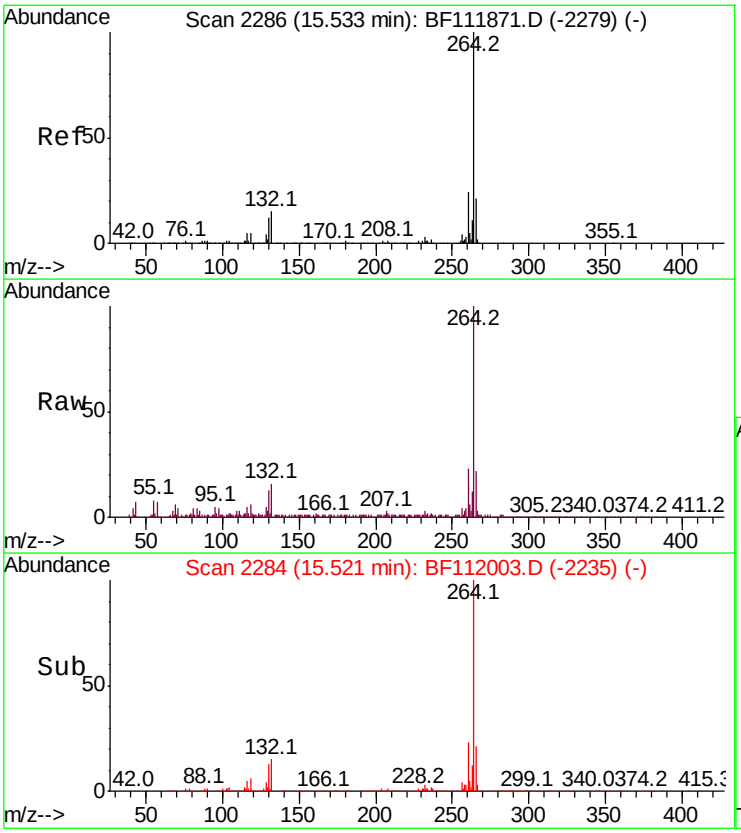
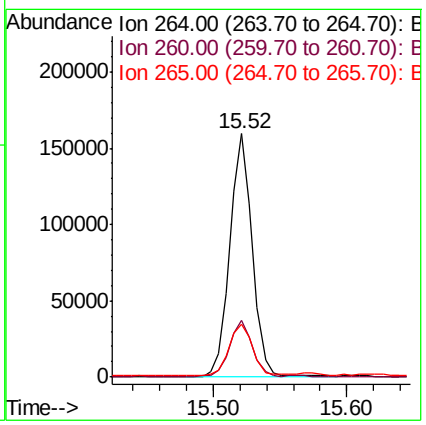
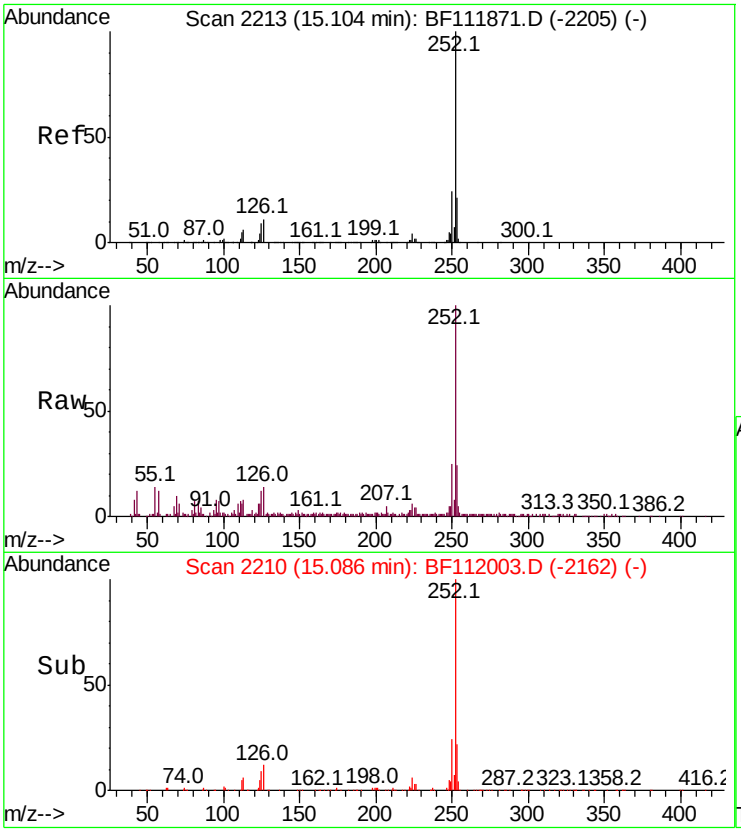


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:264 Resp: 186054

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	17.1	25.7





#88
Benzo(b)fluoranthene
Concen: 11.263 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:252 Resp: 125348

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	12.3	7.1	10.7#

Instrument :
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ClientSampleId :
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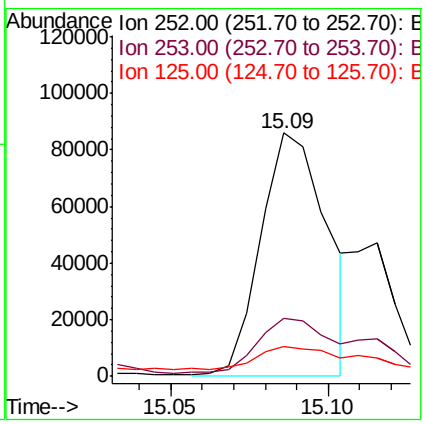
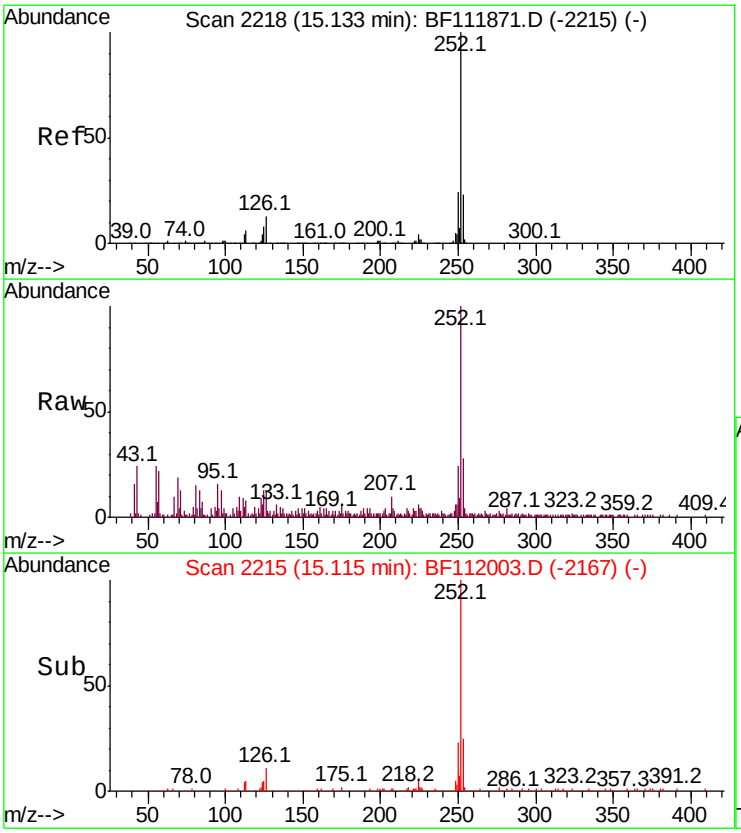
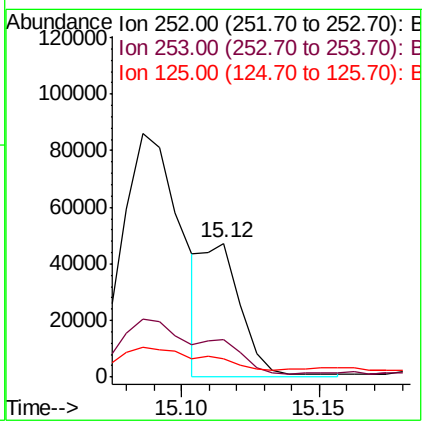


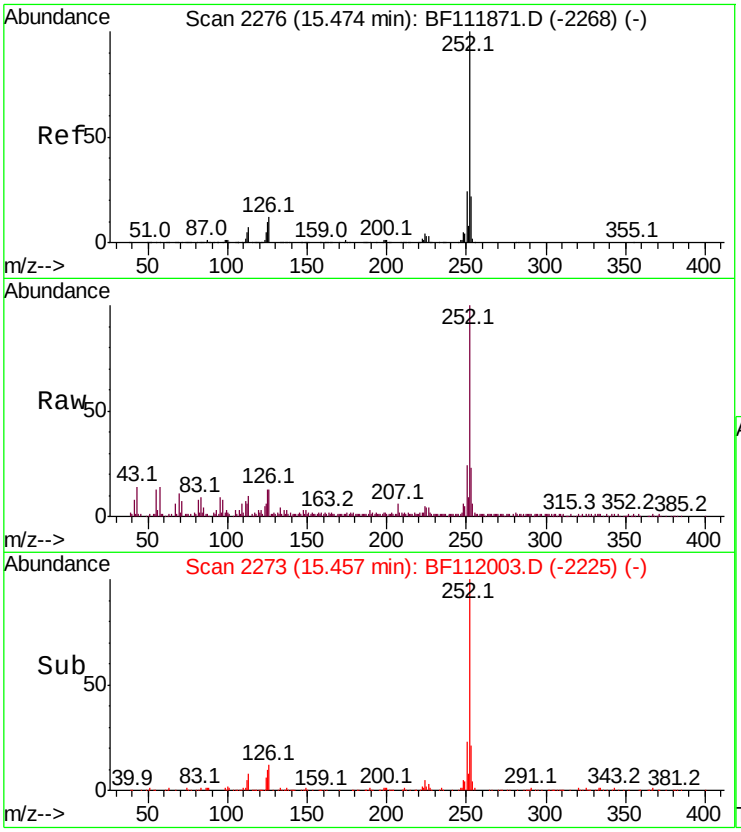


#89
Benzo(k)fluoranthene
Concen: 4.455 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:252 Resp: 46611

Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.8	26.6#
125	13.4	7.0	10.4#

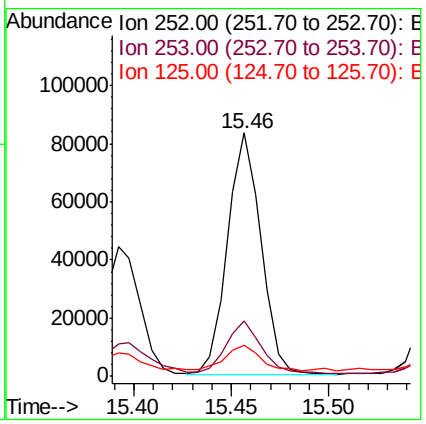




#90
Benzo(a)pyrene
Concen: 10.057 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:252 Resp: 98422

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	12.7	7.9	11.9#



Instrument :
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ClientSampleId :
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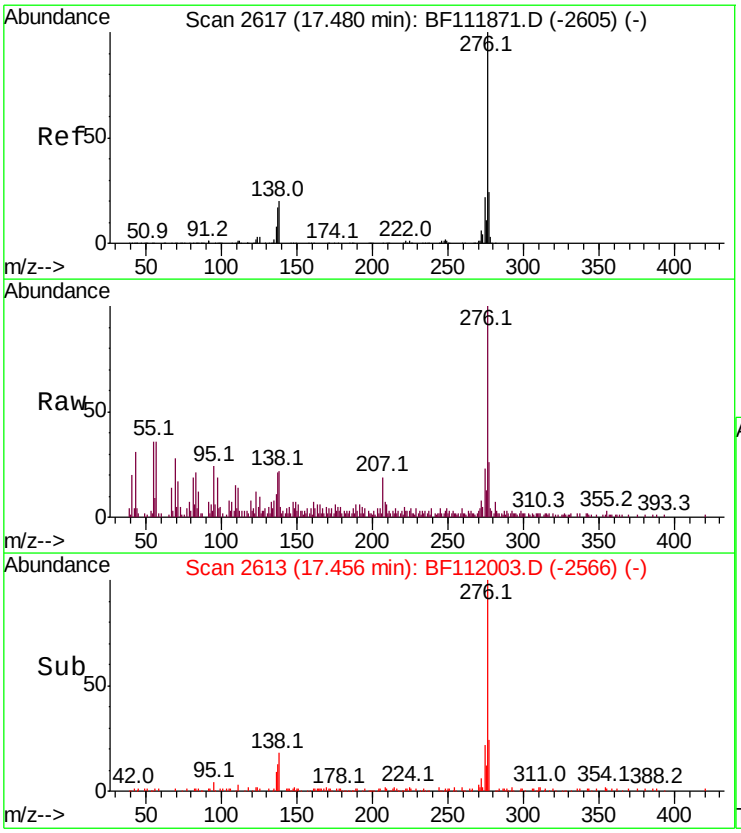

#92
Benzo(g,h,i)perylene
Concen: 7.295 ng
RT: 17.46 min Scan# 2613
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:276 Resp: 56162

Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.0	28.6
138	21.6	16.2	24.2