Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119085.D
Acq On : 26 Feb 2020 1:10
Operator : CG/JU
Sample : L1367-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-022420

Manual Integrations APPROVED
mohammad
2/27/2020 5:02:39 PM

Quant Time: Feb 26 04:30:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	178938	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	661943	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	320135	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	486377	20.00	ng	0.00
76) Chrysene-d12	13.91	240	340232	20.00	ng	0.00
87) Perylene-d12	15.34	264	322436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	208732	19.49	ng	0.00
7) Phenol-d6	6.39	99	256986	19.73	ng	-0.01
23) Nitrobenzene-d5	7.31	82	158178	12.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	65418	15.62	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	344237	15.84	ng	-0.01
79) Terphenyl-d14	12.85	244	291219	14.74	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.85	142	49034	2.257	ng	99
49) Acenaphthylene	9.65	152	151220	5.022	ng	99
52) Acenaphthene	9.82	154	69738	3.841	ng	99
58) Fluorene	10.33	166	100553	4.775	ng	98
71) Phenanthrene	11.29	178	914038	34.460	ng	99
72) Anthracene	11.34	178	269641	10.174	ng	98
73) Carbazole	11.50	167	48996	2.075	ng	99
75) Fluoranthene	12.49	202	1469092	52.178	ng	99
78) Pyrene	12.72	202	1429283	52.316	ng	99
81) Benzo(a)anthracene	13.90	228	907882	39.163	ng	95
83) Chrysene	13.94	228	796269	34.472	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	418435	18.708	ng	# 93
88) Benzo(b)fluoranthene	14.94	252	1048814m	49.348	ng	
89) Benzo(k)fluoranthene	14.96	252	360832m	18.320	ng	
90) Benzo(a)pyrene	15.29	252	728482	37.978	ng	100
91) Dibenzo(a,h)anthracene	16.75	278	128112m	7.591	ng	
92) Benzo(g,h,i)perylene	17.18	276	381581	22.882	ng	98

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

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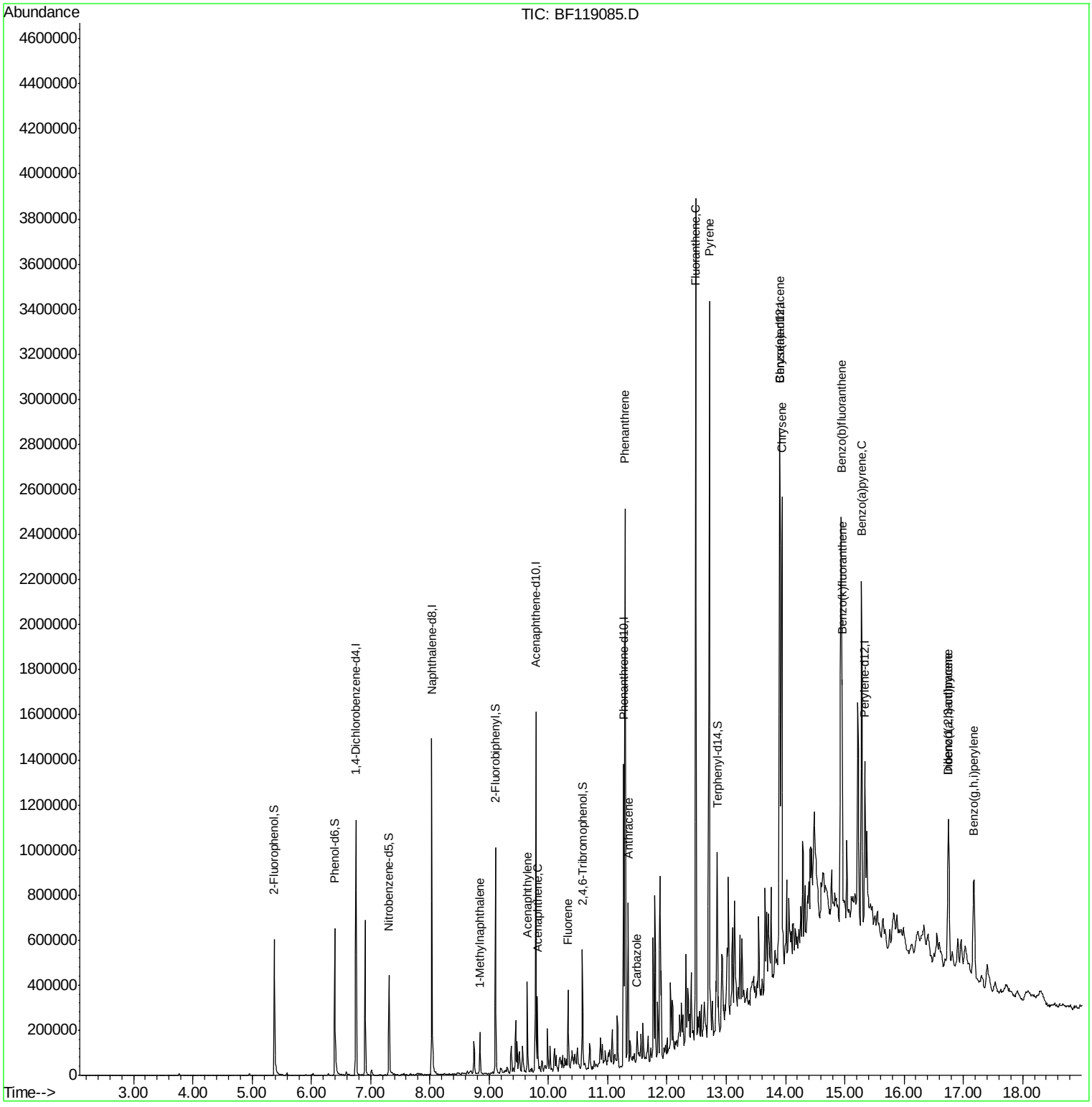
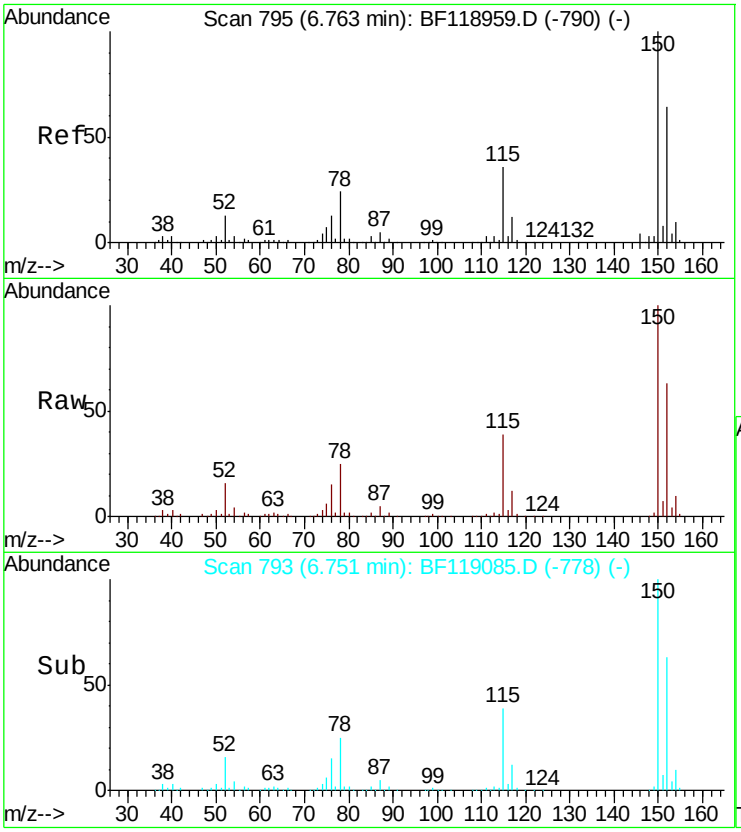
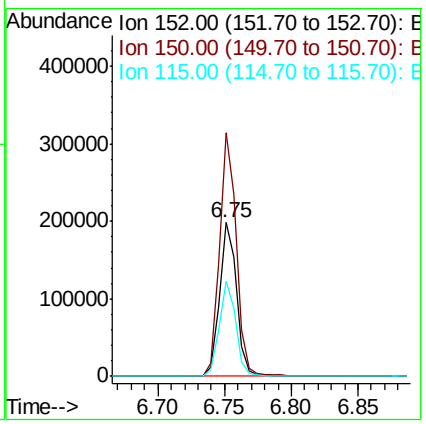




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:152 Resp: 178938

Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.3	186.5
115	62.0	44.6	67.0



Instrument :
BNA_F
ClientSampleId :
OK-02-022420

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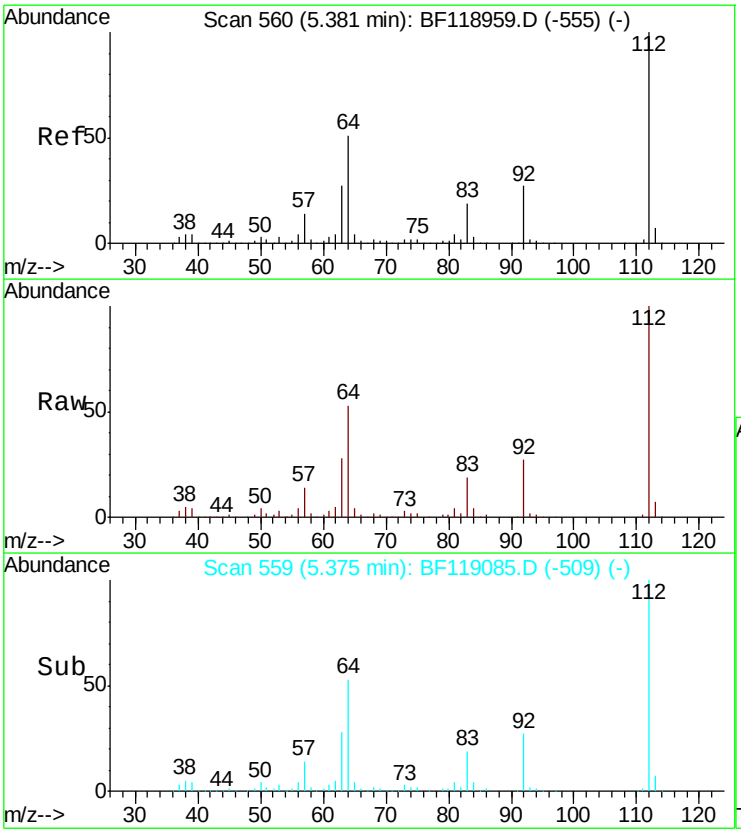
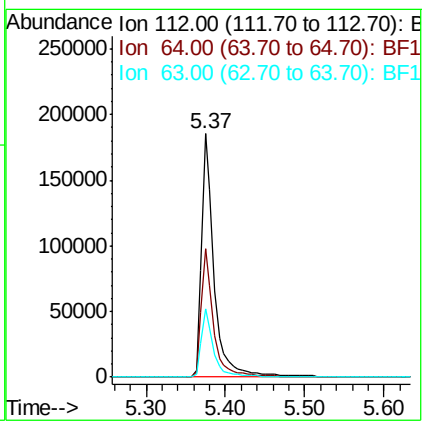
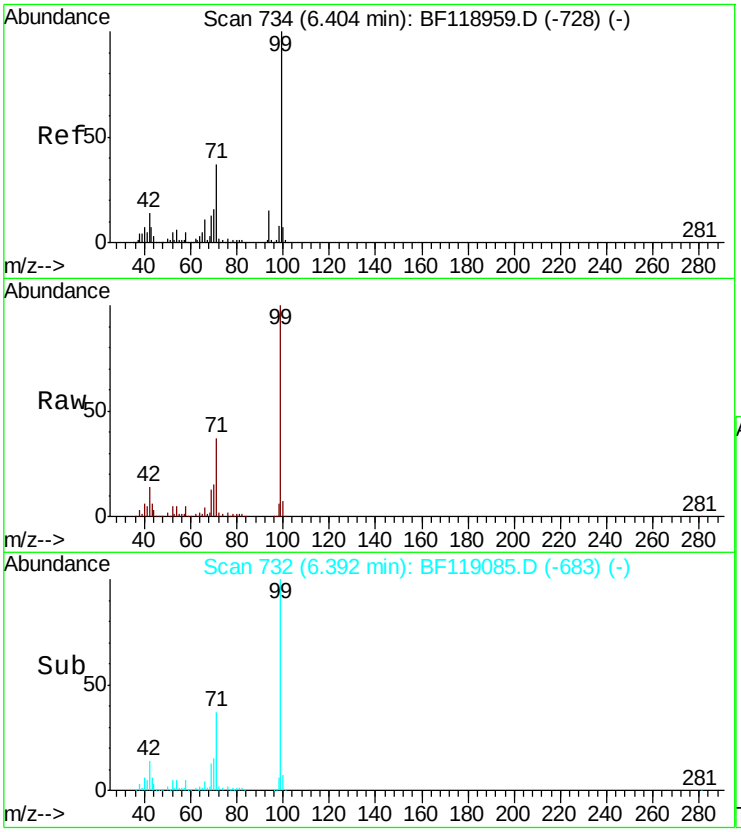


#5
2-Fluorophenol
Concen: 19.494 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:112 Resp: 208732

Ion	Ratio	Lower	Upper
112	100		
64	52.9	40.4	60.6
63	28.0	21.3	31.9

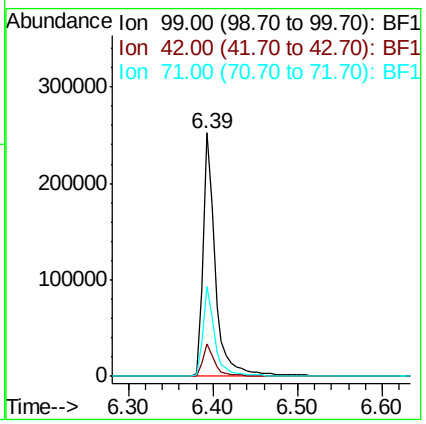




#7
Phenol-d6
Concen: 19.735 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion: 99 Resp: 256986

Ion	Ratio	Lower	Upper
99	100		
42	13.6	11.4	17.0
71	36.8	29.8	44.6



Instrument :
BNA_F
ClientSampleId :
OK-02-022420

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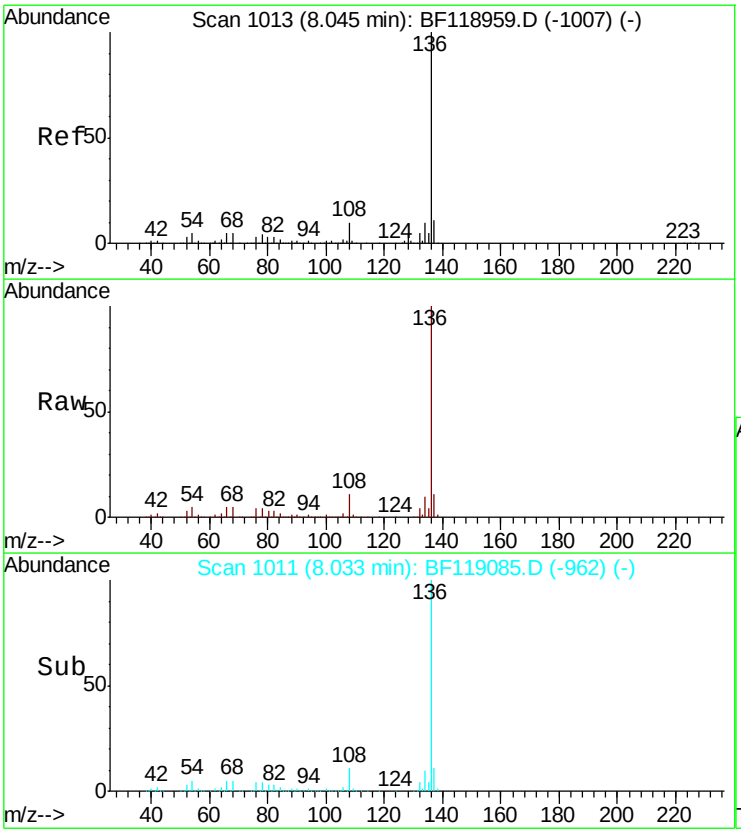
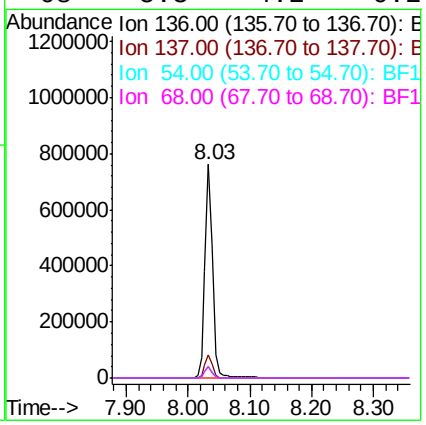
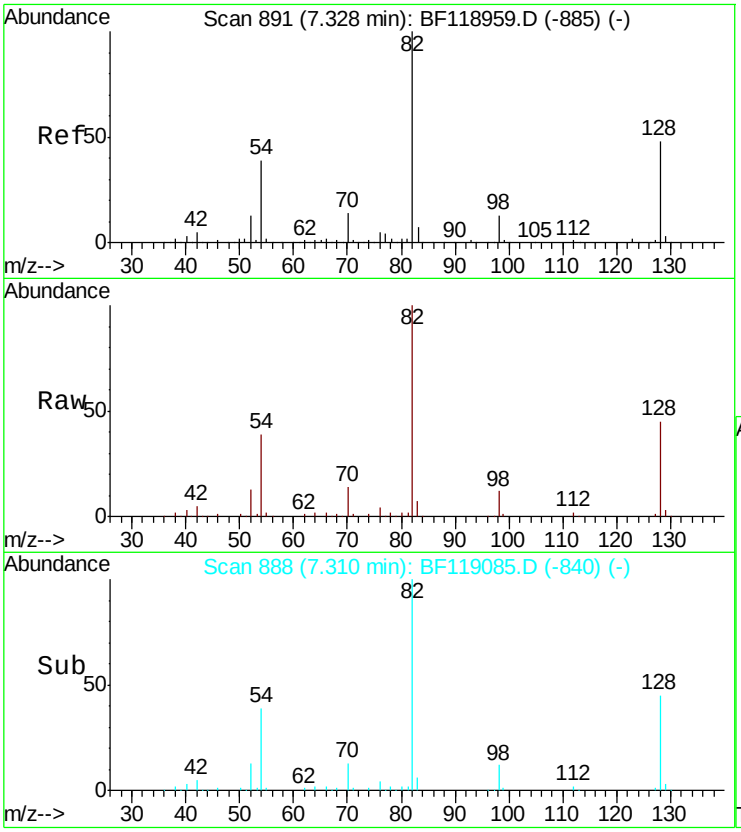


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:136 Resp: 661943

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.3	3.8	5.6
68	5.3	4.2	6.2

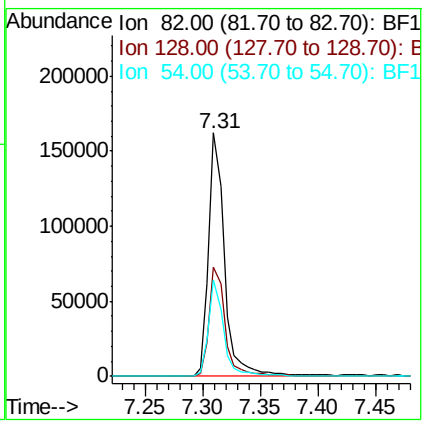




#23
Nitrobenzene-d5
Concen: 12.617 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion: 82 Resp: 158178

Ion	Ratio	Lower	Upper
82	100		
128	44.7	38.2	57.2
54	39.4	31.3	46.9



Instrument :
BNA_F
ClientSampleId :
OK-02-022420

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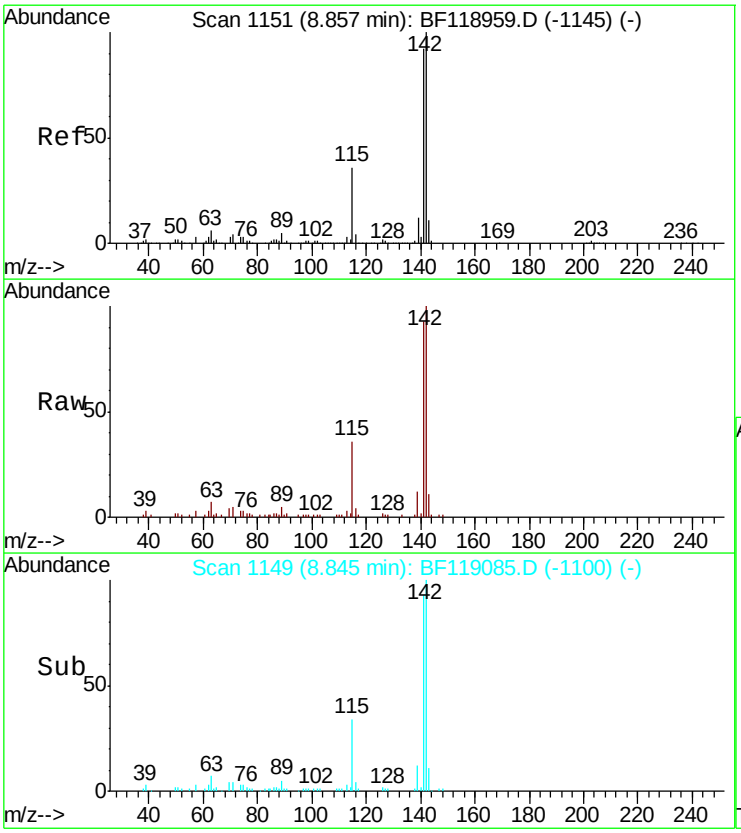
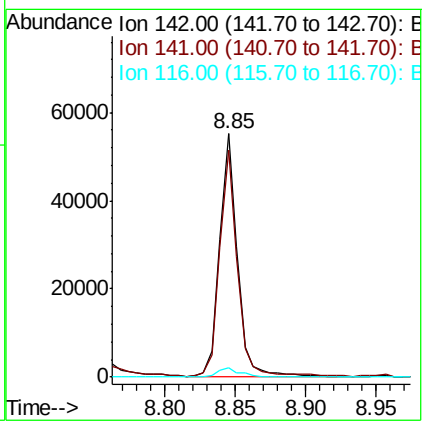
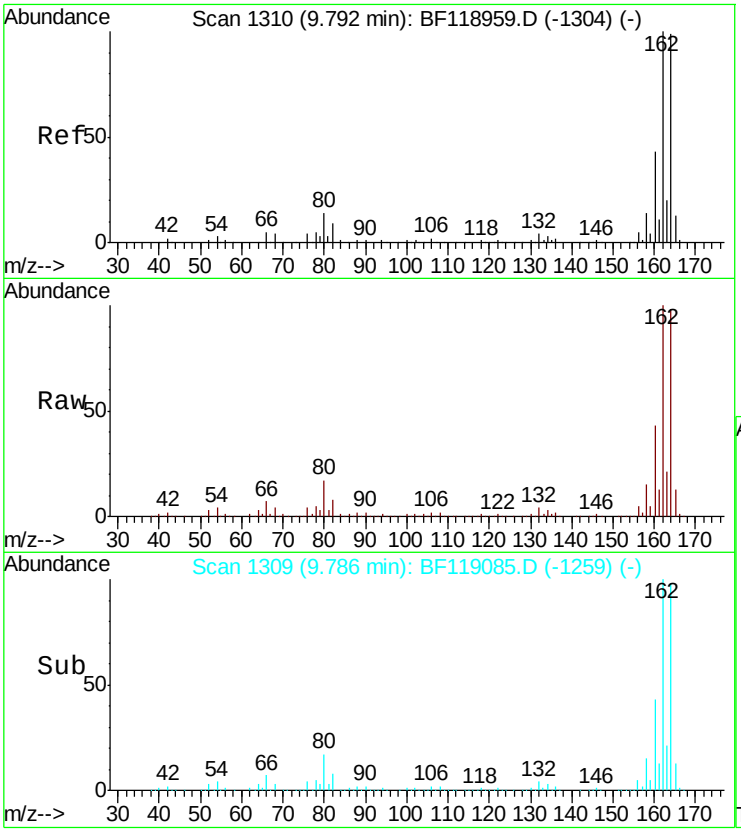


#38
1-Methylnaphthalene
Concen: 2.257 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:142 Resp: 49034

Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.7	110.5
116	4.0	3.0	4.6

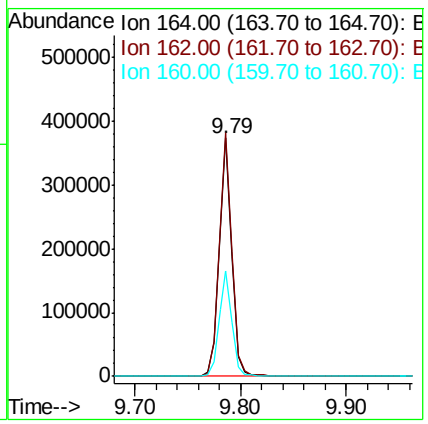




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:164 Resp: 320135

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.2	121.8
160	44.4	35.2	52.8



Instrument :
BNA_F
ClientSampleId :
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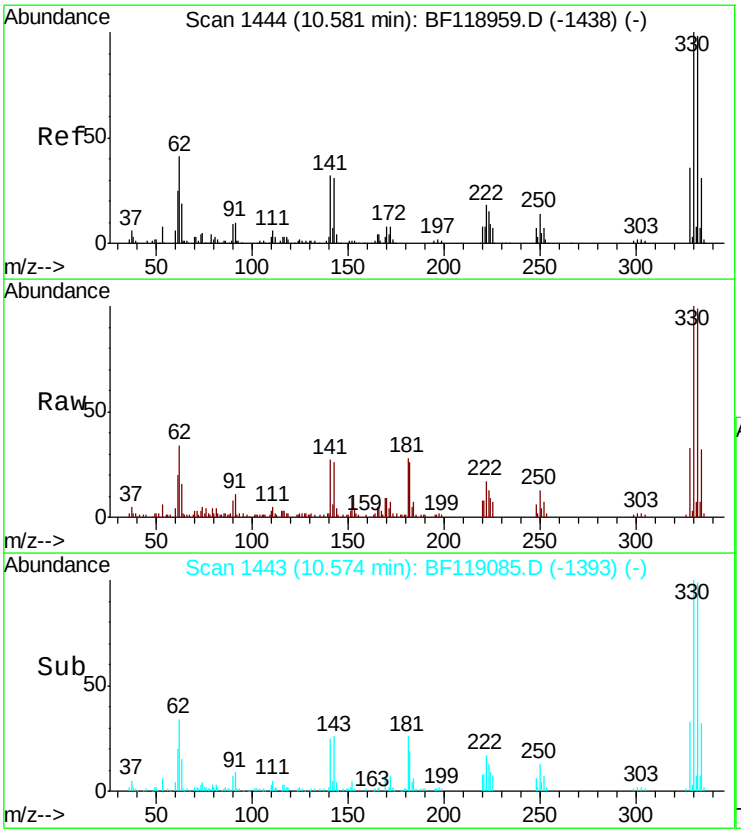
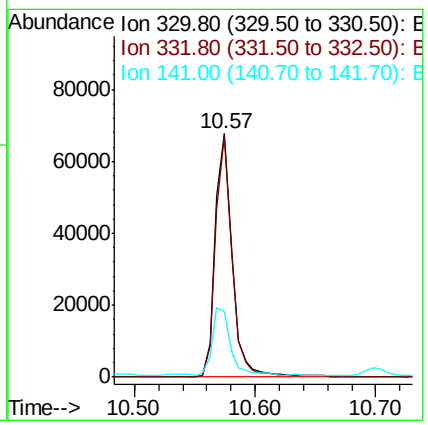
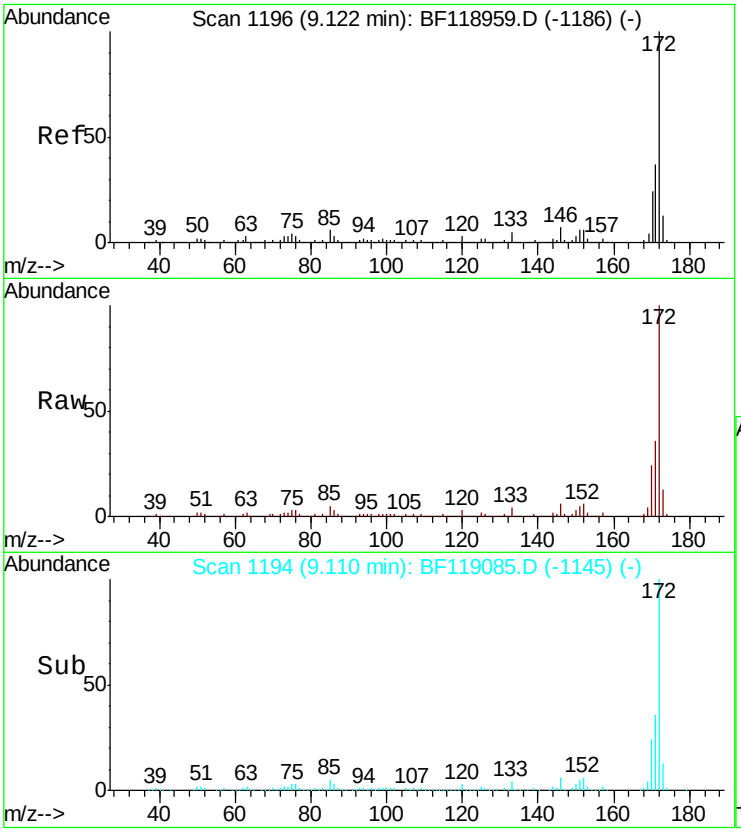


#42
2,4,6-Tribromophenol
Concen: 15.621 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:330 Resp: 65418

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	31.5	23.0	34.6

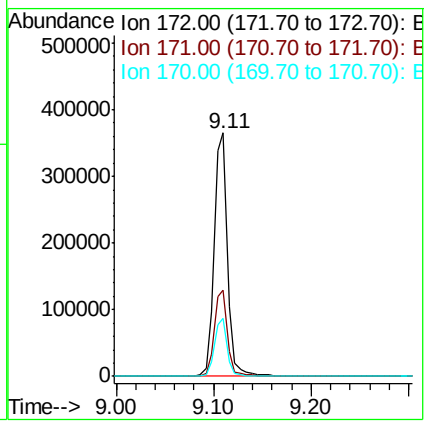




#45
2-Fluorobiphenyl
Concen: 15.841 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:172 Resp: 344237

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.2
170	23.6	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
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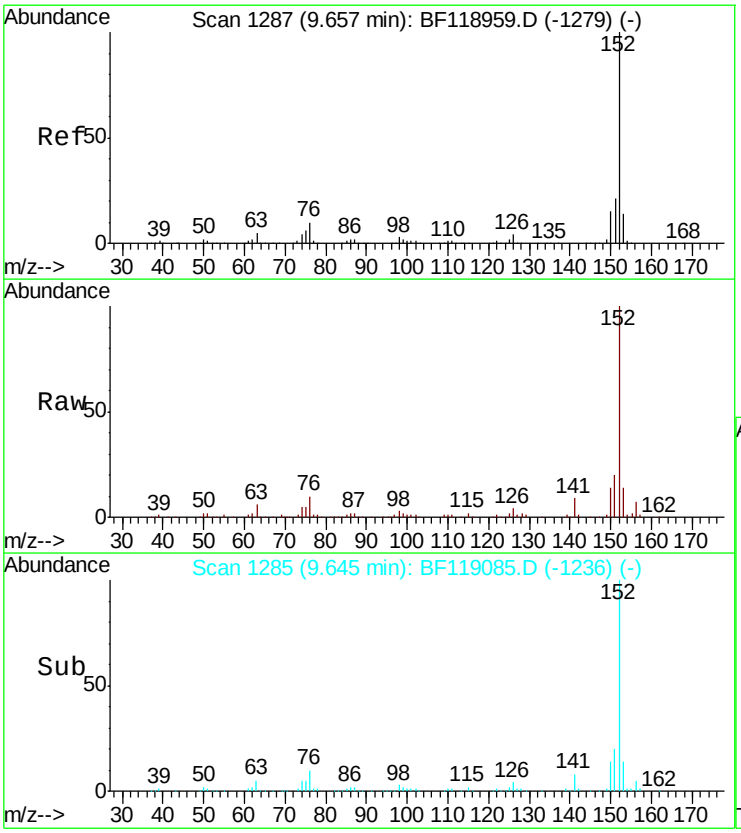
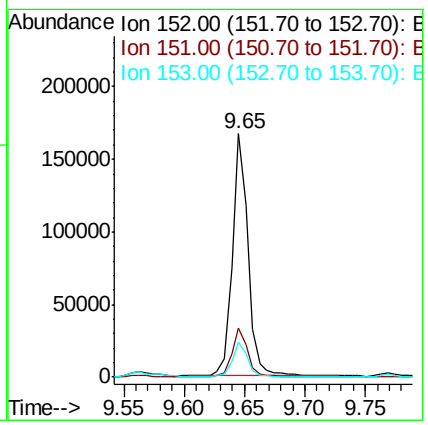
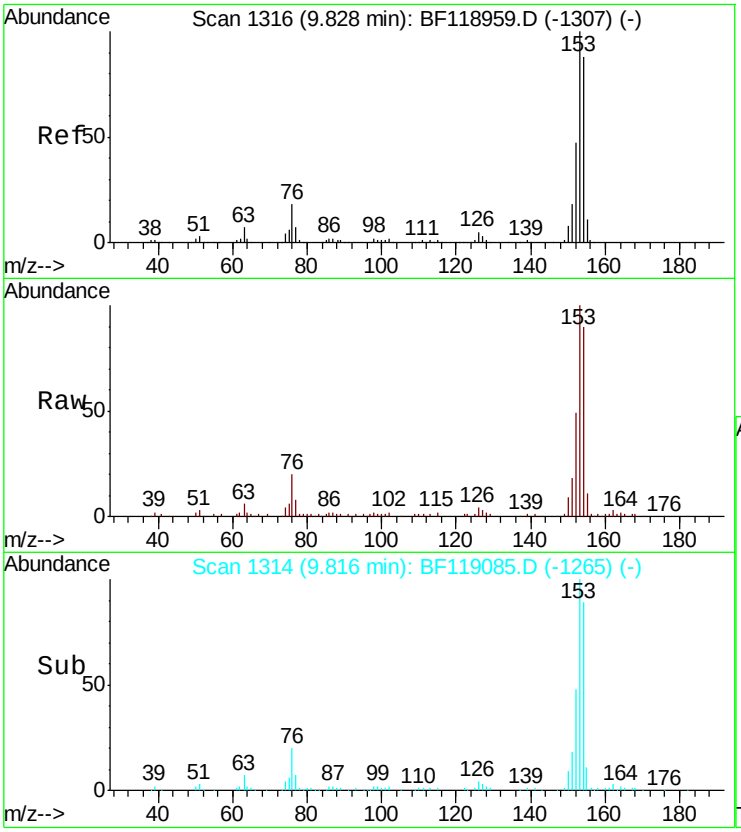


#49
Acenaphthylene
Concen: 5.022 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:152 Resp: 151220

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.7	25.1
153	14.1	10.9	16.3

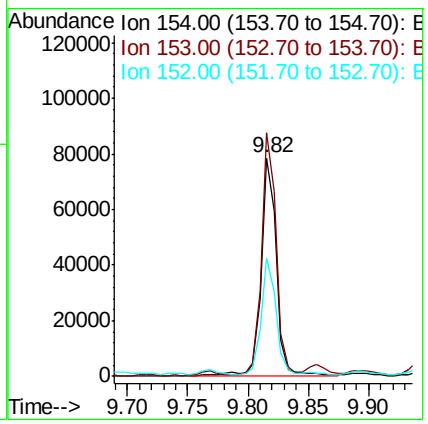




#52
Acenaphthene
Concen: 3.841 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:154 Resp: 69738

Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.4	135.6
152	54.2	42.9	64.3



Instrument :
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ClientSampleId :
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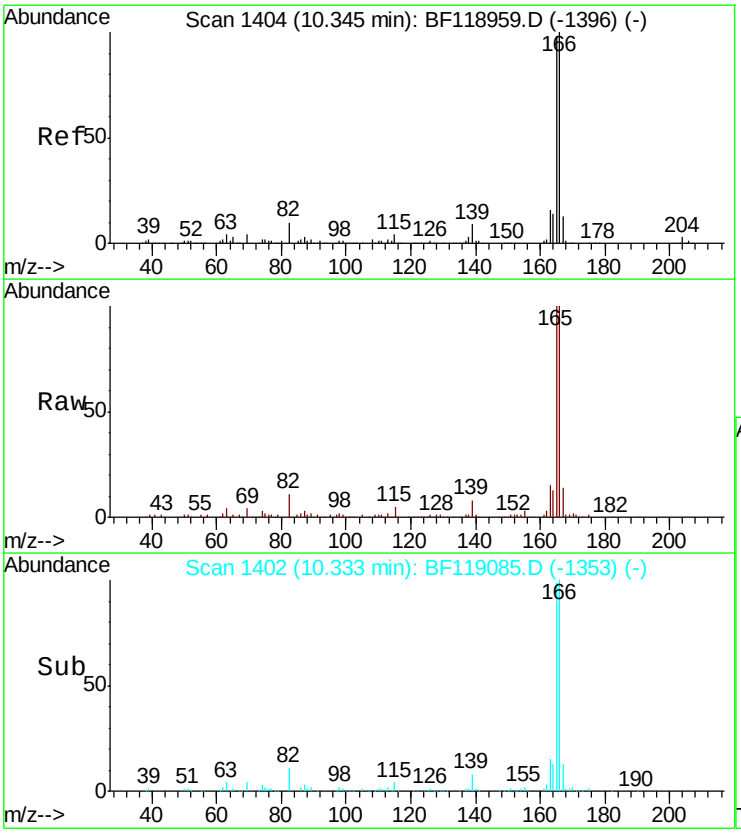
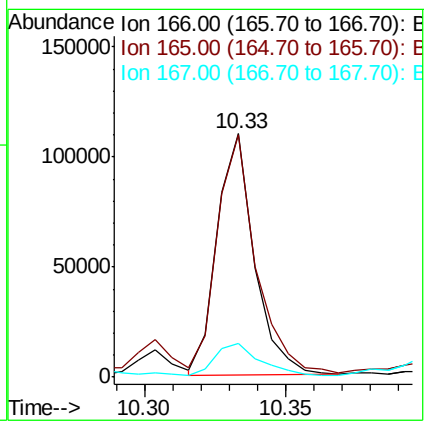
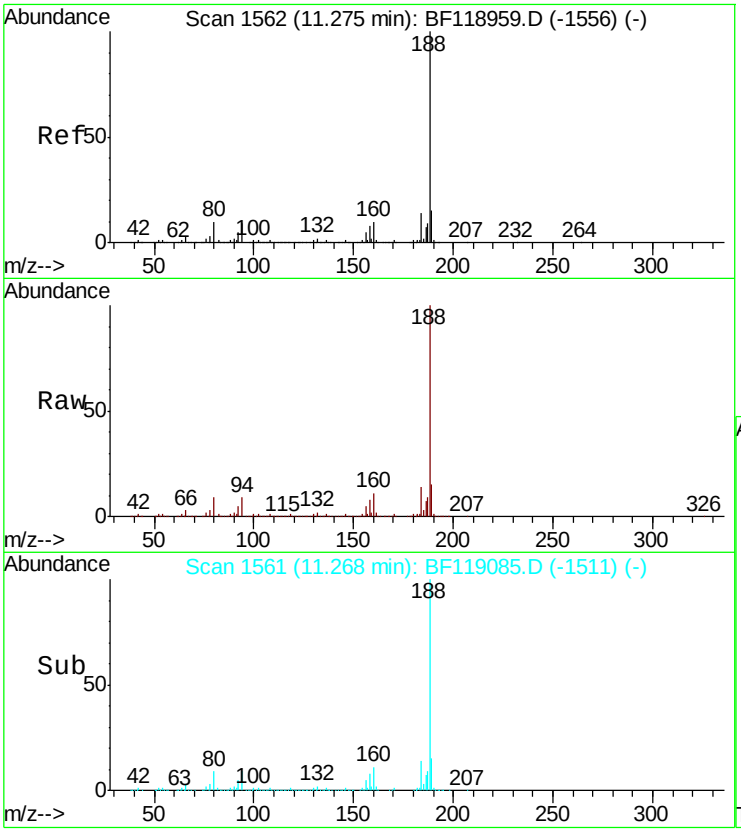


#58
Fluorene
Concen: 4.775 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:166 Resp: 100553

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.2	117.4
167	13.8	10.6	16.0

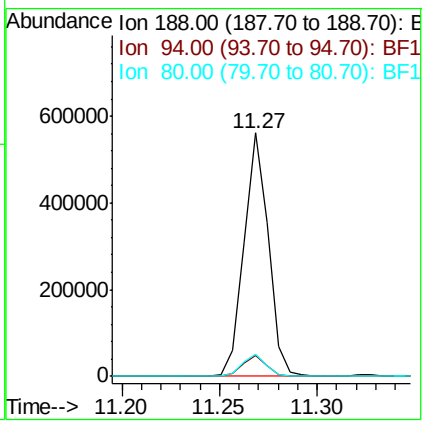




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:188 Resp: 486377

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.6
80	9.3	7.9	11.9



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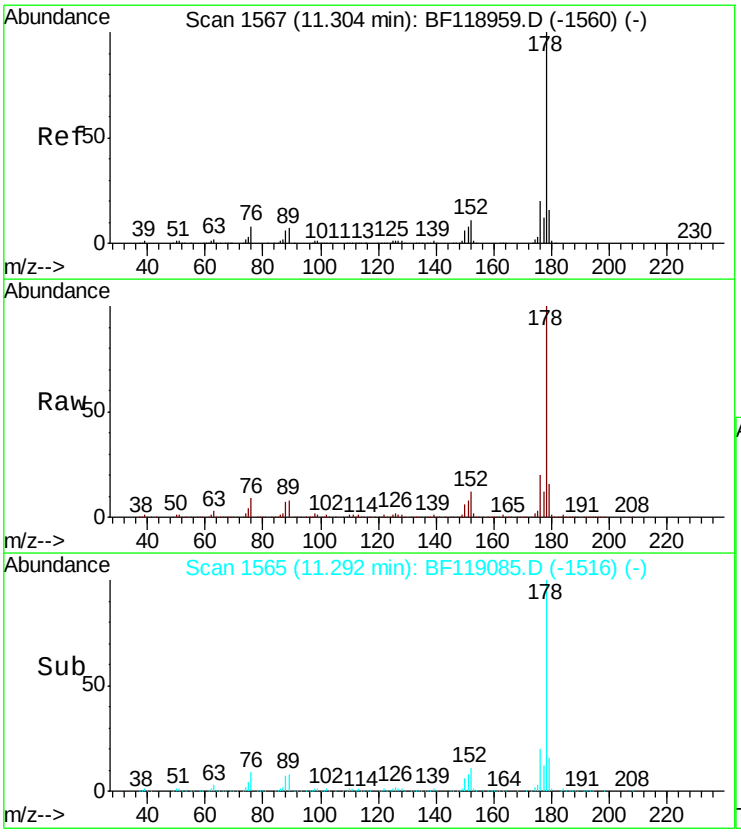
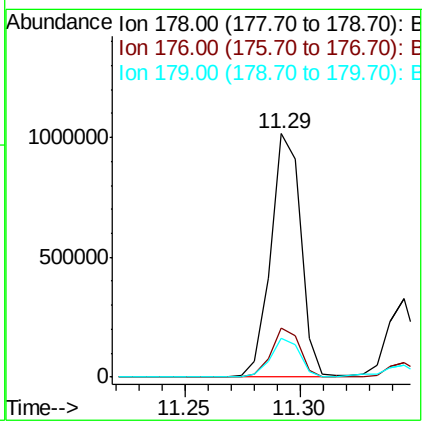
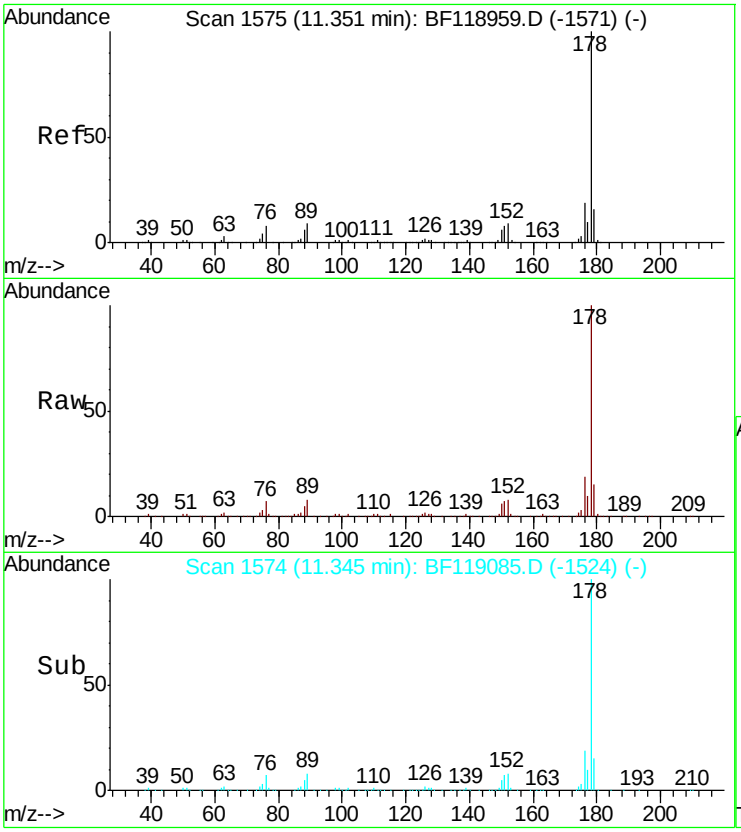


#71
Phenanthrene
Concen: 34.460 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:178 Resp: 914038

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.6	23.4
179	15.7	12.6	18.8

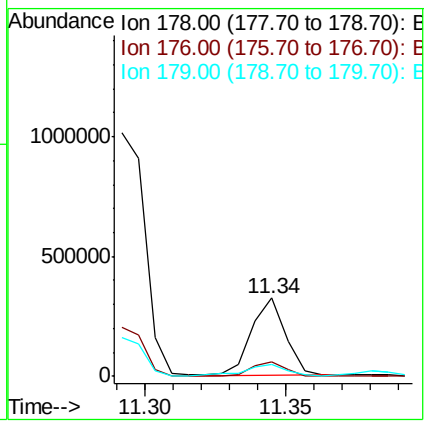




#72
Anthracene
Concen: 10.174 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:178 Resp: 269641

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.2	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
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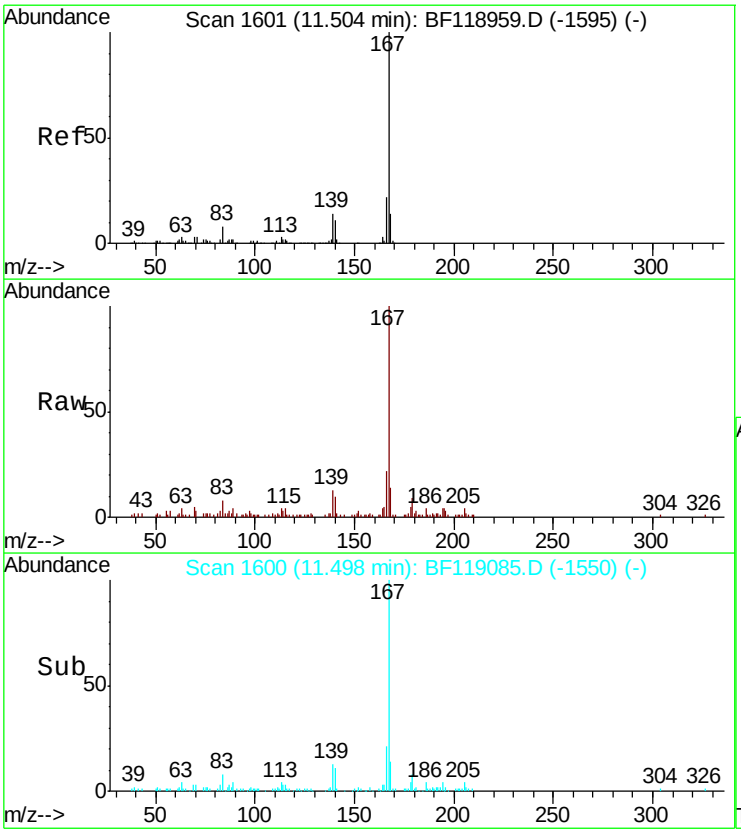
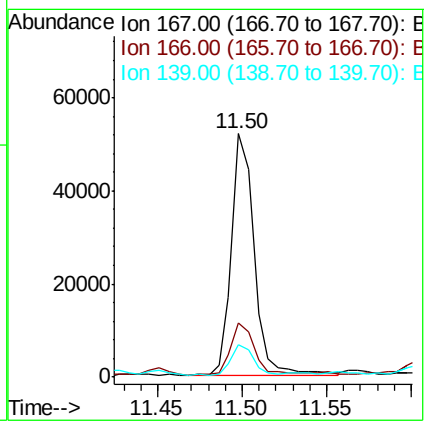
2/27/2020 5:02:39 PM

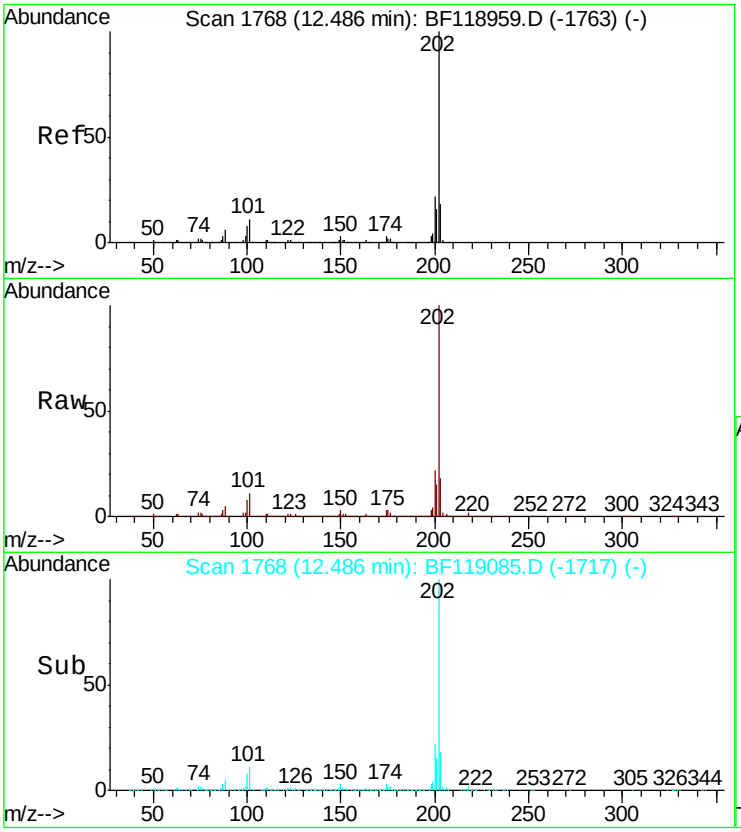


#73
Carbazole
Concen: 2.075 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:167 Resp: 48996

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.6
139	13.4	11.2	16.8

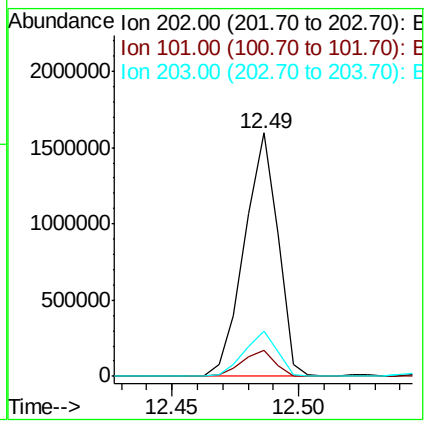




#75
Fluoranthene
Concen: 52.178 ng
RT: 12.49 min Scan# 1768
Delta R.T. -0.00 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:202 Resp: 1469092

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.1
203	18.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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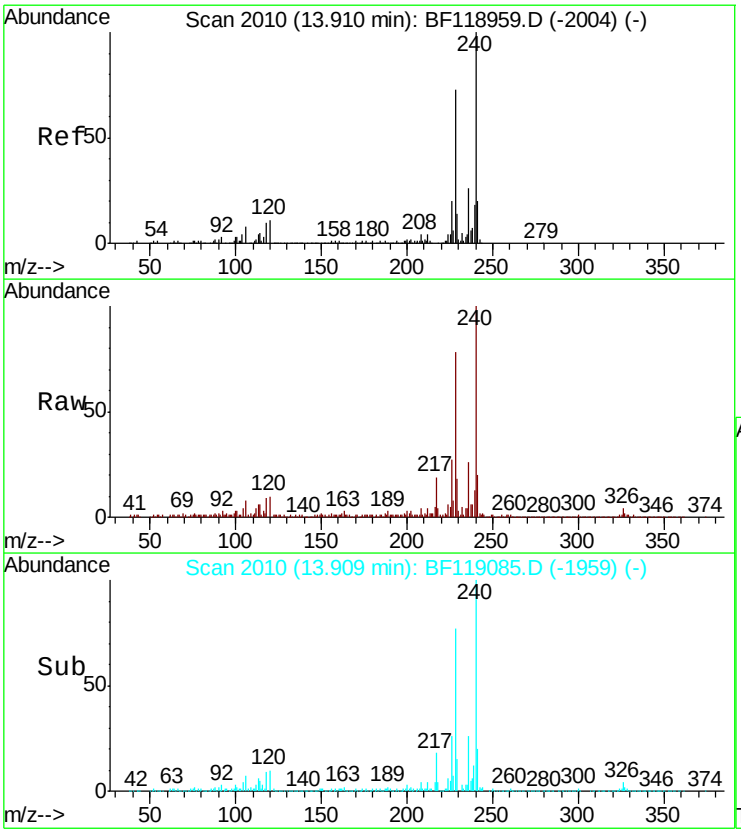
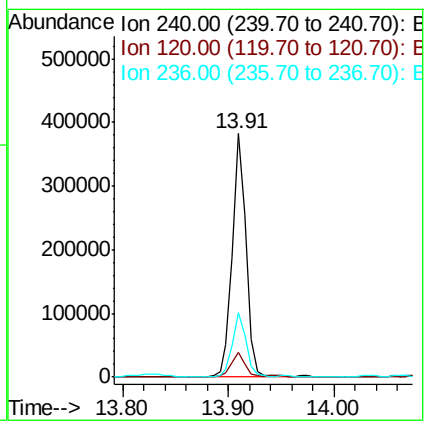
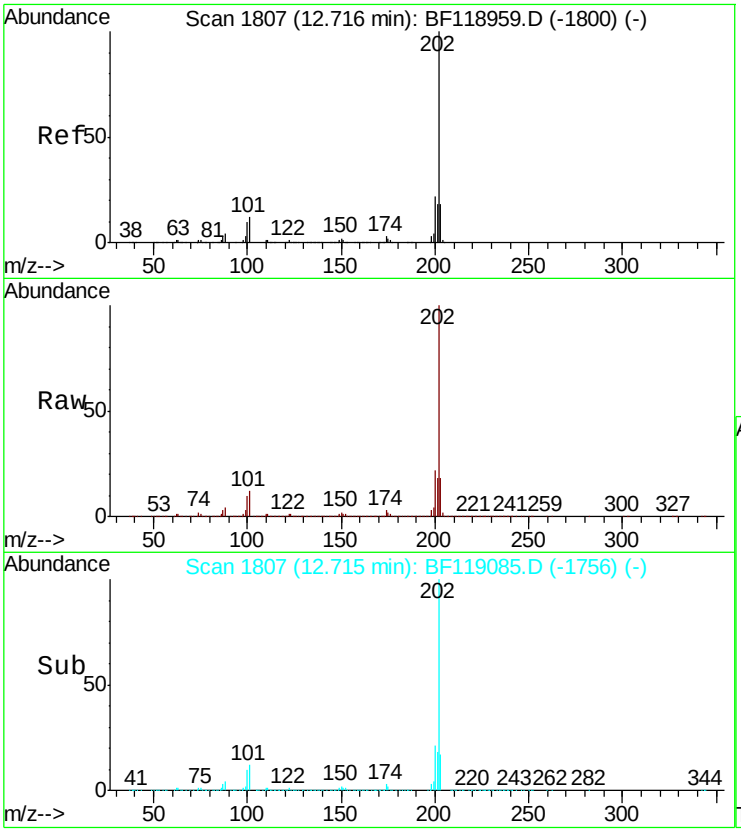


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:240 Resp: 340232

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	26.2	20.6	30.8

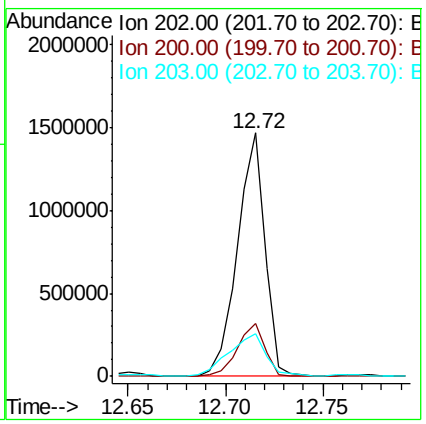




#78
Pyrene
Concen: 52.316 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:202 Resp: 1429283

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	17.6	14.5	21.7



Instrument :
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ClientSampleId :
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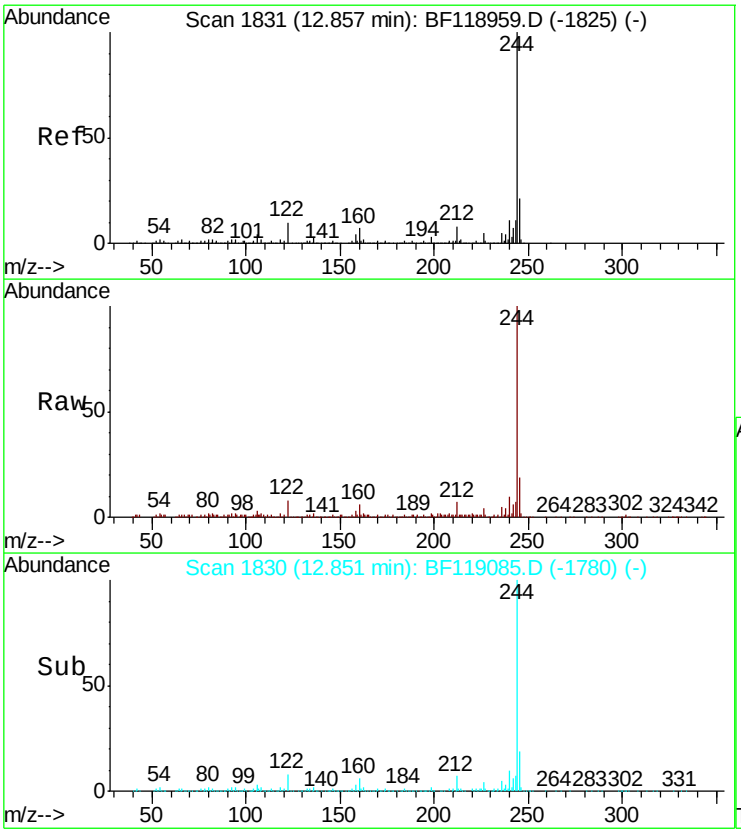
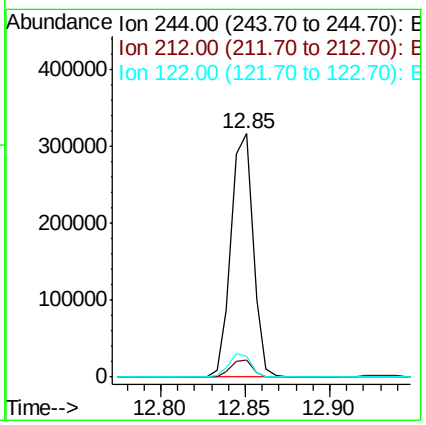
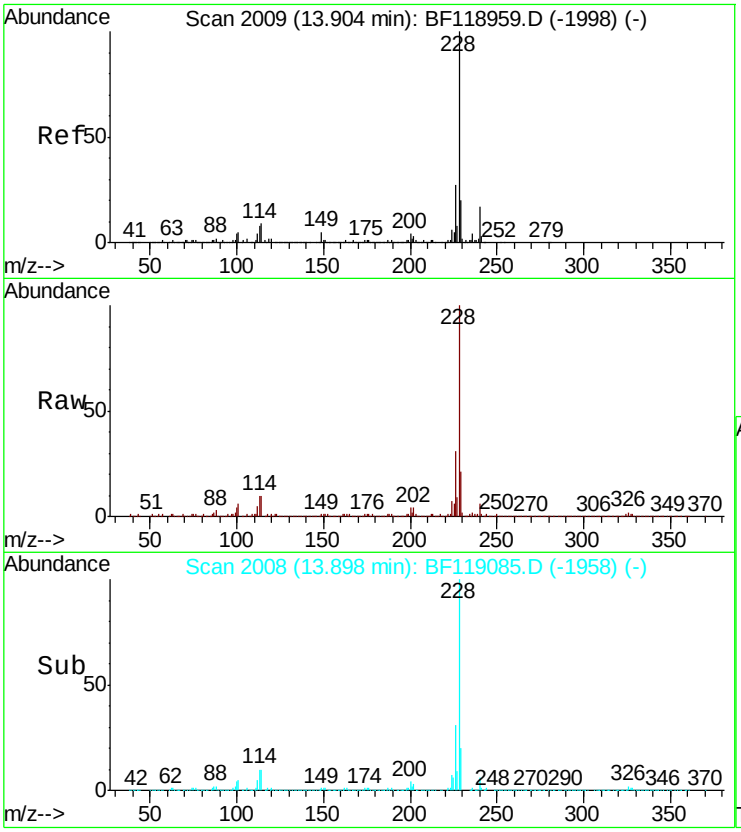


#79
Terphenyl-d14
Concen: 14.737 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:244 Resp: 291219

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	8.4	8.4	12.6

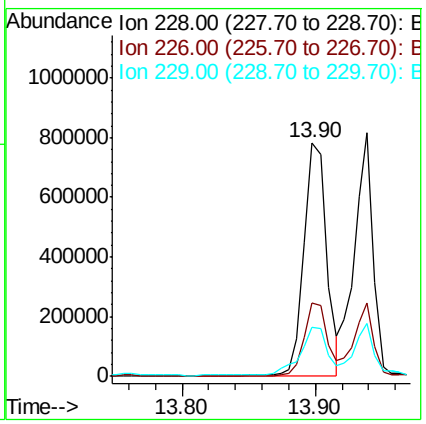




#81
Benzo(a)anthracene
Concen: 39.163 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:228 Resp: 907882

Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.8	32.8
229	21.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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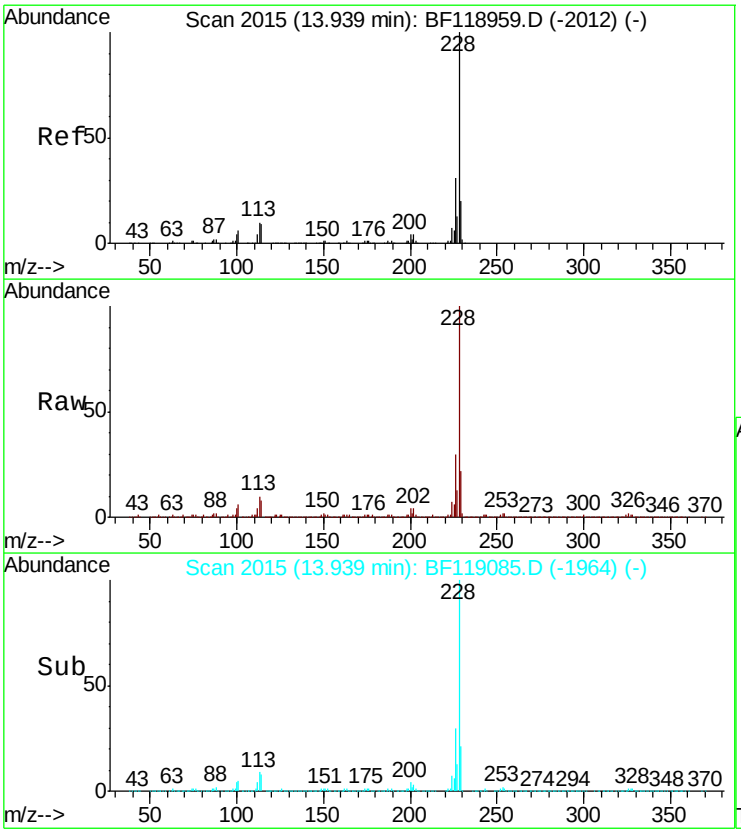
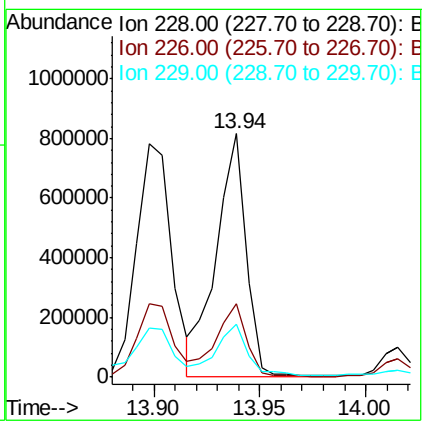
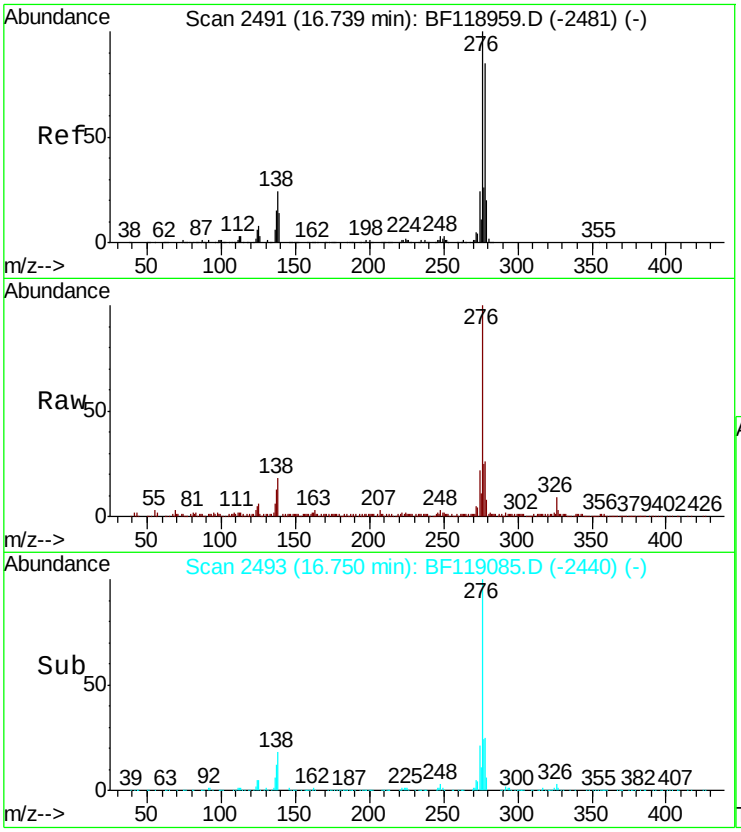


#83
Chrysene
Concen: 34.472 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:228 Resp: 796269

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	21.9	16.2	24.2

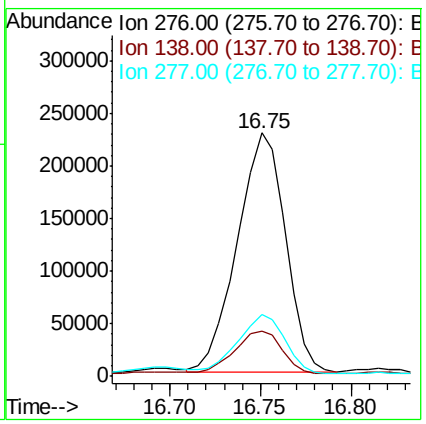




#86
Indeno(1,2,3-cd)pyrene
Concen: 18.708 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:276 Resp: 418435

Ion	Ratio	Lower	Upper
276	100		
138	18.3	18.7	28.1#
277	23.9	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
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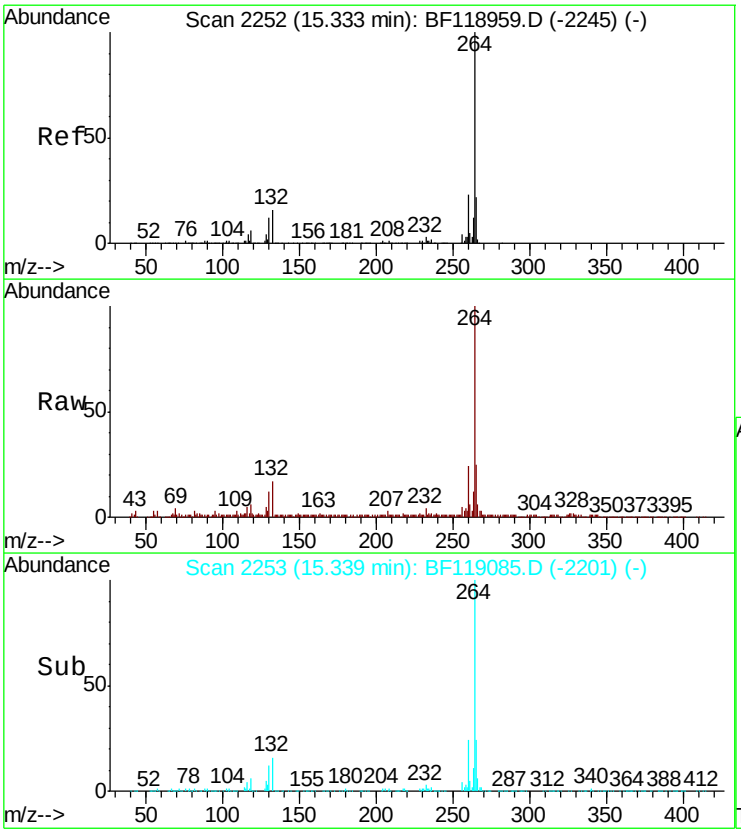
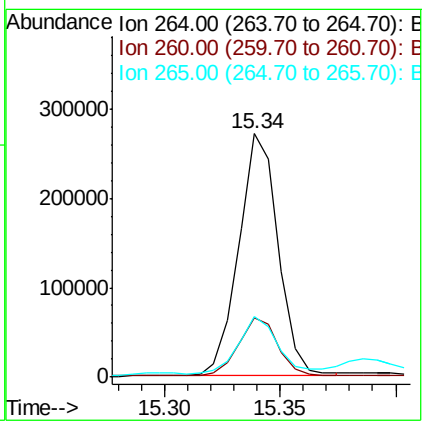
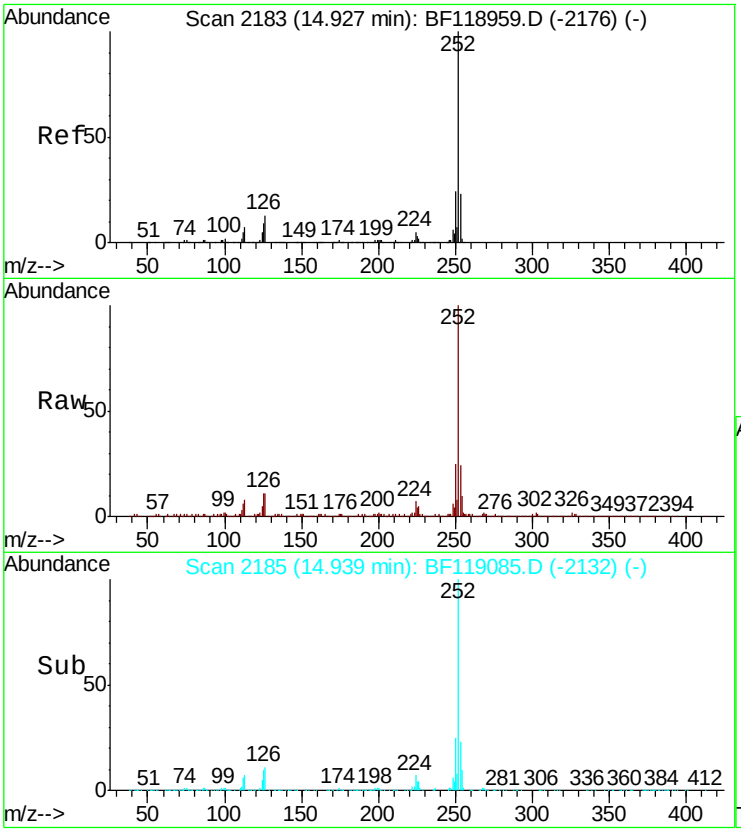


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:264 Resp: 322436

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	24.9	17.3	25.9

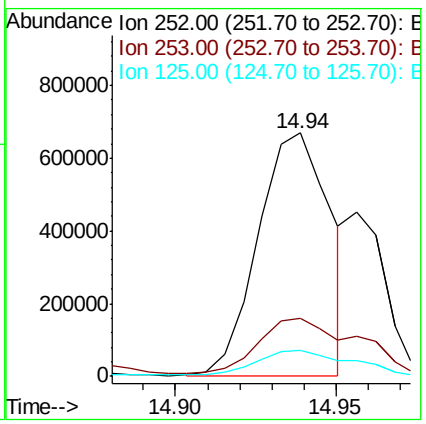




#88
Benzo(b)fluoranthene
Concen: 49.348 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:252 Resp: 1048814

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.6	7.4	11.0



Instrument :
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ClientSampleId :
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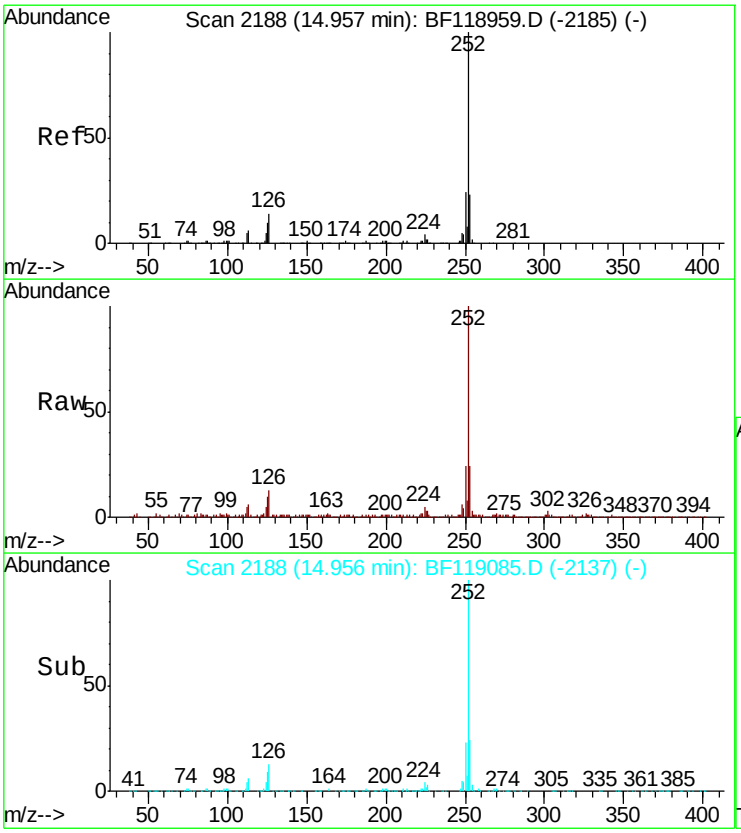
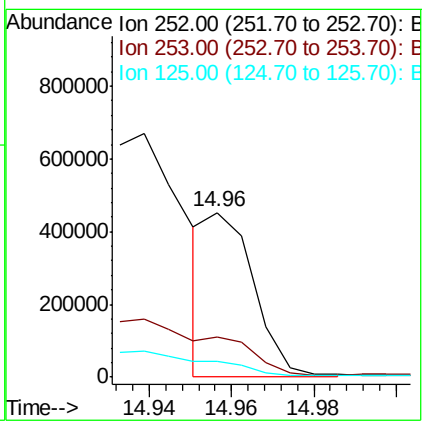
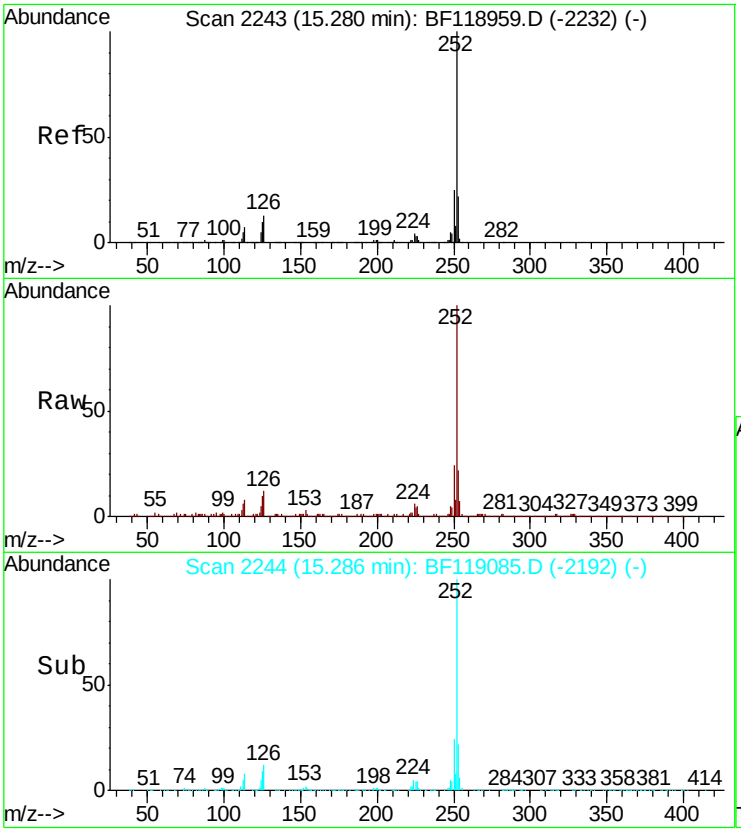


#89
Benzo(k)fluoranthene
Concen: 18.320 ng m
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:252 Resp: 360832

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	9.9	7.3	10.9





#90
Benzo(a)pyrene
Concen: 37.978 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:252 Resp: 728482

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	10.1	7.8	11.6

Instrument :
BNA_F
ClientSampleId :
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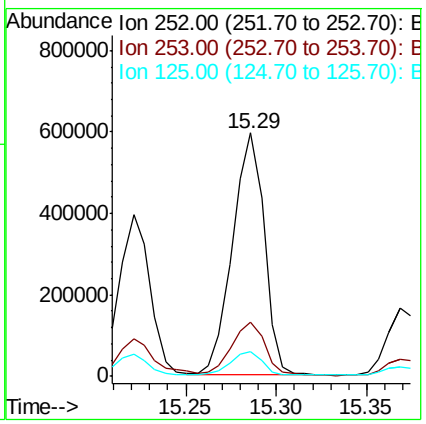
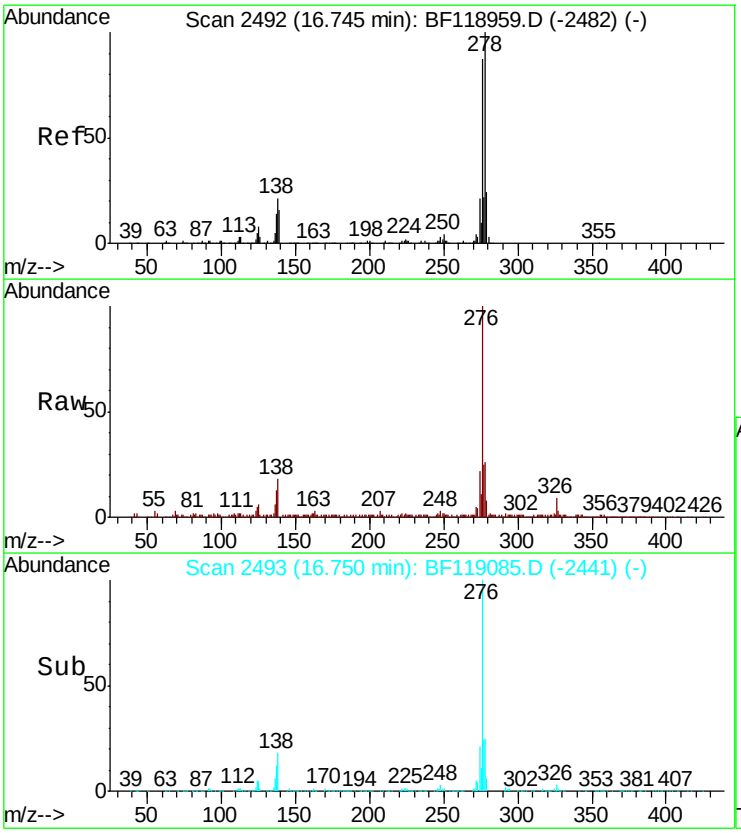
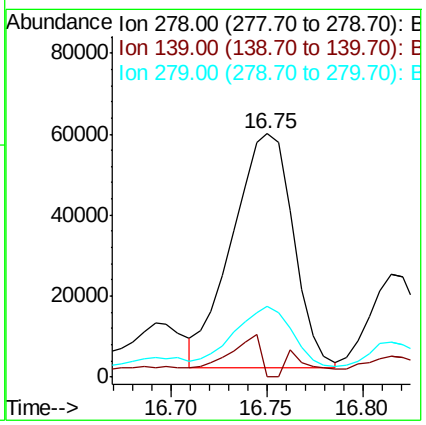


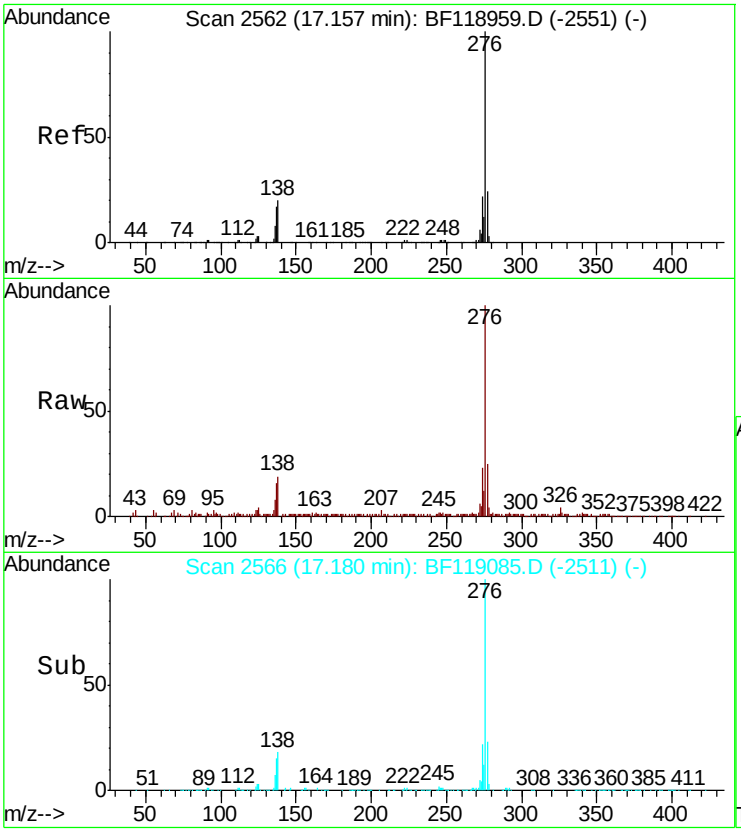


#91
Dibenzo(a,h)anthracene
Concen: 7.591 ng m
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:278 Resp: 128112

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	18.8#
279	29.0	19.0	28.6#

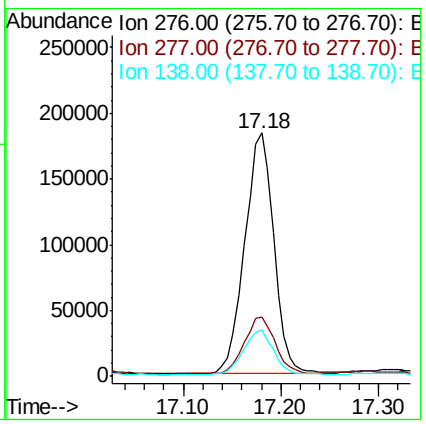




#92
Benzo(g,h,i)perylene
Concen: 22.882 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.02 min
Lab File: BF119085.D
Acq: 26 Feb 2020 1:10

Tgt Ion:276 Resp: 381581

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	18.8	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
OK-02-022420

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