Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115885.D
Acq On : 31 Jul 2019 23:52
Operator : HP/JU
Sample : K3618-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-073019

Manual Integrations APPROVED
mohammad
8/1/2019 5:07:13 PM

Quant Time: Aug 01 12:11:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	143143	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	527310	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	250695	20.00	ng		0.00
64) Phenanthrene-d10	11.38	188	376407	20.00	ng		0.00
76) Chrysene-d12	14.03	240	313551	20.00	ng		0.00
87) Perylene-d12	15.50	264	306696	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	772996	90.40	ng		0.01
7) Phenol-d6	6.49	99	1006241	93.27	ng		0.00
23) Nitrobenzene-d5	7.41	82	620520	67.93	ng		0.00
42) 2,4,6-Tribromophenol	10.68	330	195039	80.24	ng		0.00
45) 2-Fluorobiphenyl	9.21	172	1032916	77.17	ng		0.00
79) Terphenyl-d14	12.96	244	940777	63.22	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.60	163	166140	9.733	ng		98
52) Acenaphthene	9.92	154	46661	3.539	ng		100
58) Fluorene	10.44	166	70304	4.766	ng		100
71) Phenanthrene	11.40	178	816844	42.449	ng		99
72) Anthracene	11.46	178	212605	10.917	ng		99
73) Carbazole	11.61	167	75865	4.294	ng		97
75) Fluoranthene	12.60	202	1442212	71.591	ng		97
78) Pyrene	12.83	202	1351367	57.174	ng		99
81) Benzo(a)anthracene	14.02	228	711079	35.481	ng		97
83) Chrysene	14.05	228	661806	34.014	ng		98
86) Indeno(1,2,3-cd)pyrene	16.97	276	267787	16.387	ng		96
88) Benzo(b)fluoranthene	15.07	252	807233m	45.520	ng		
89) Benzo(k)fluoranthene	15.09	252	246896m	14.294	ng		
90) Benzo(a)pyrene	15.43	252	534390	33.710	ng		97
91) Dibenzo(a,h)anthracene	16.97	278	68933	5.024	ng	#	86
92) Benzo(g,h,i)perylene	17.42	276	253517	18.812	ng		99

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

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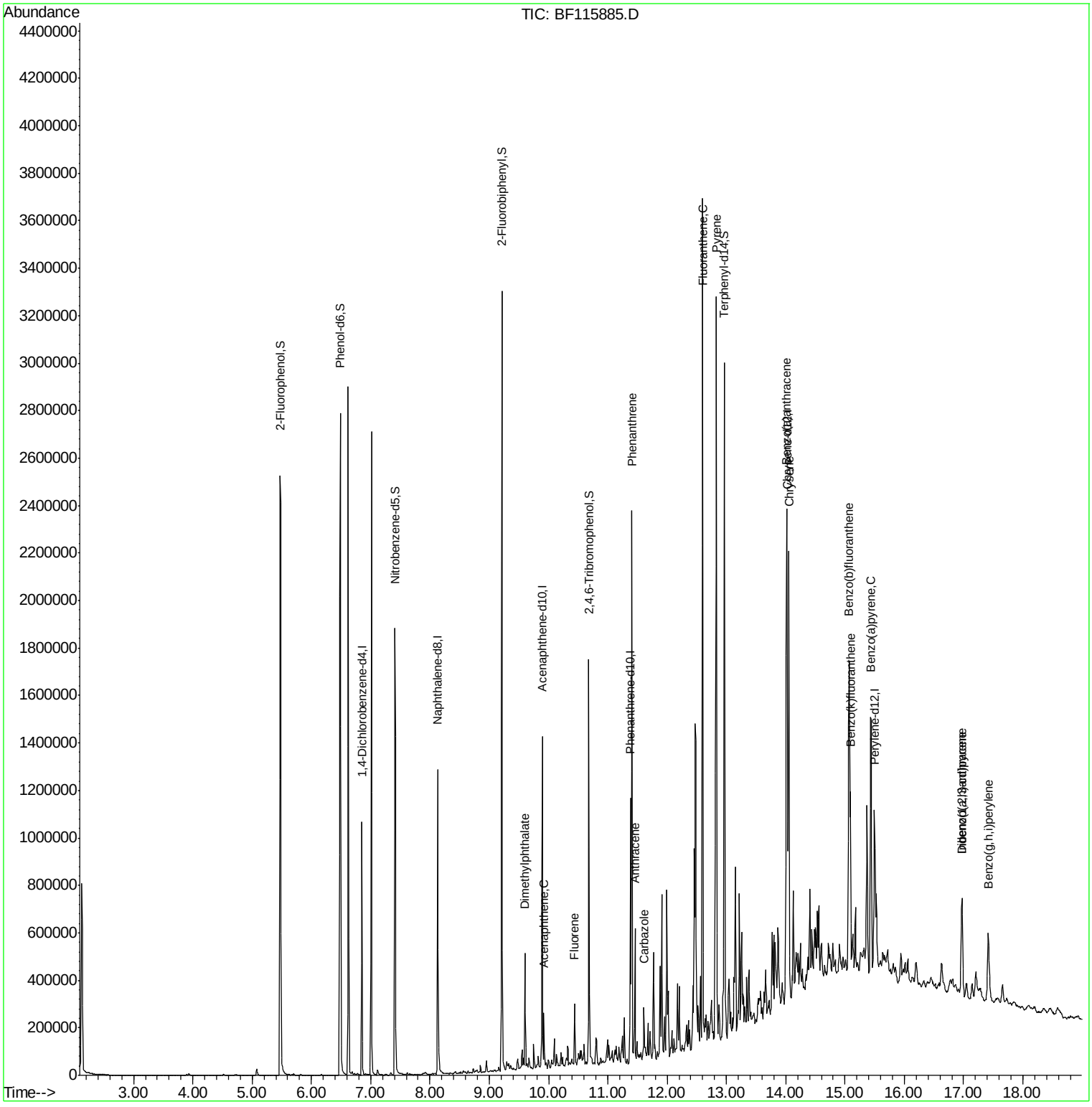
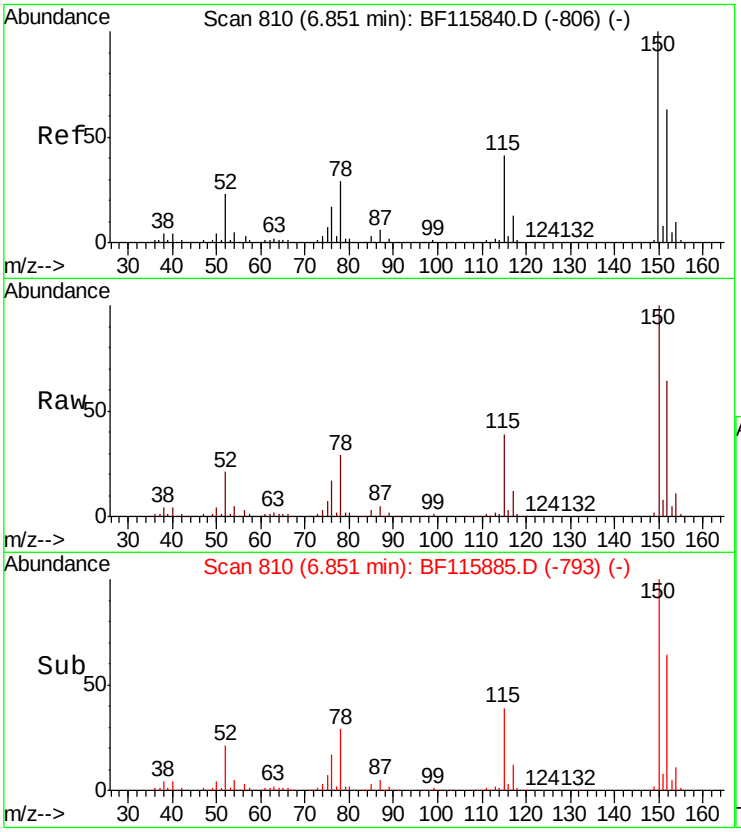
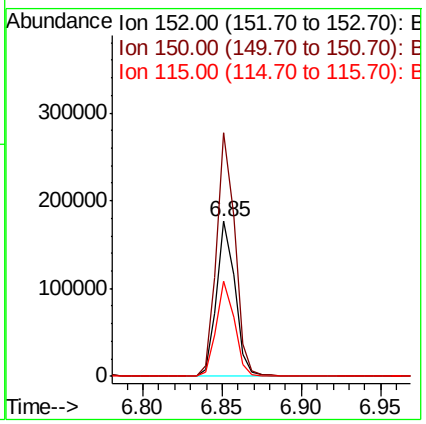




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:152 Resp: 143143

Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.4	191.0
115	61.7	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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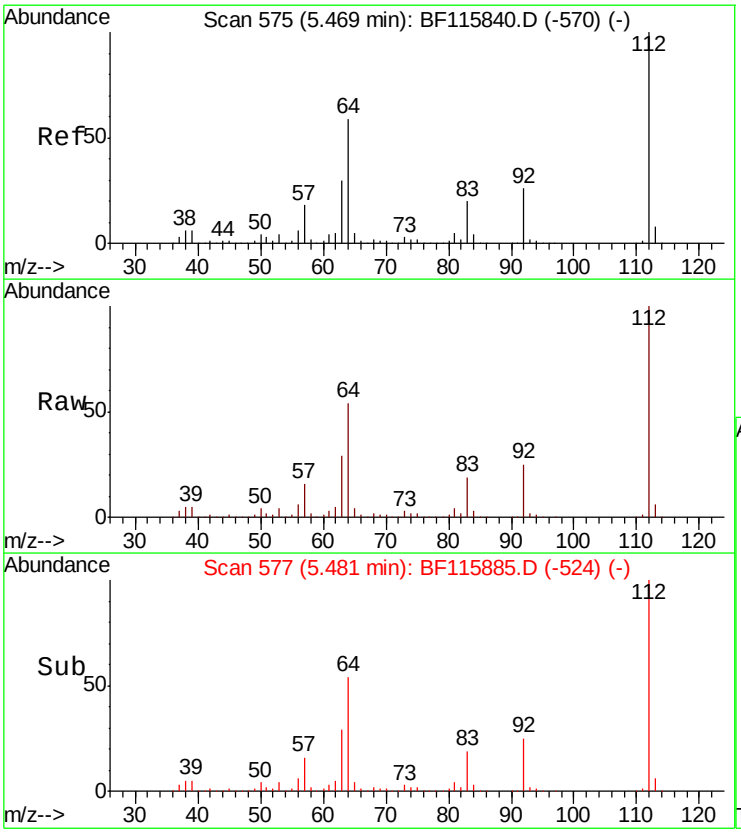
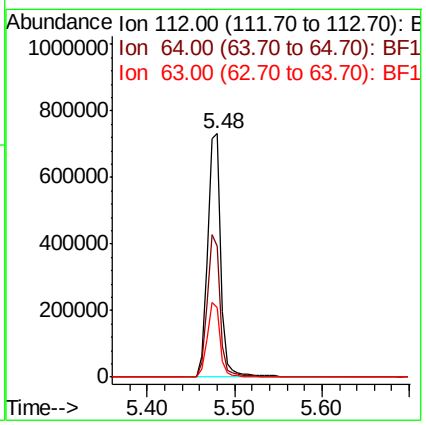
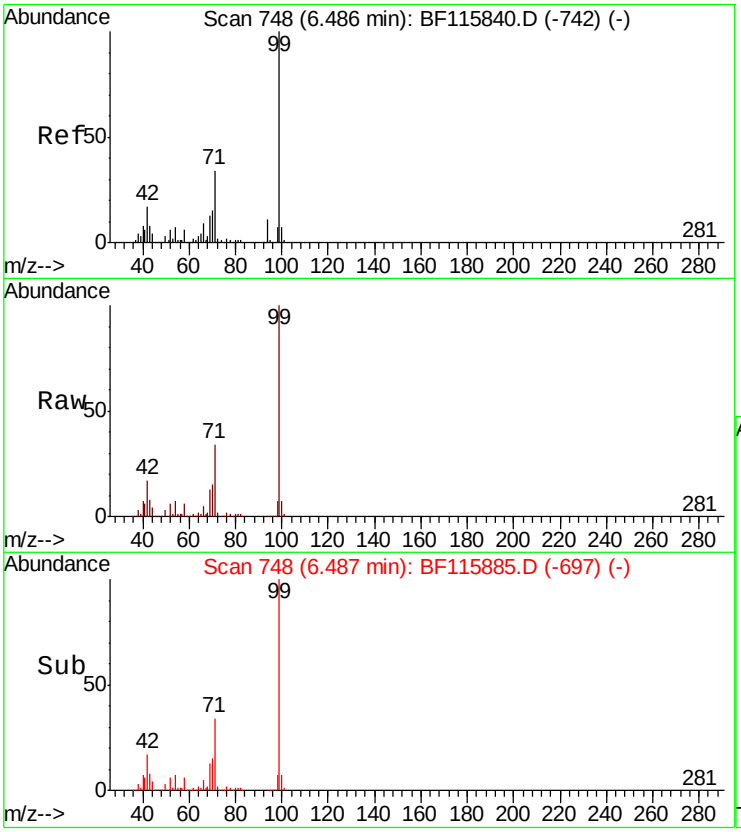


#5
2-Fluorophenol
Concen: 90.402 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:112 Resp: 772996

Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.8	70.2
63	28.6	24.2	36.2

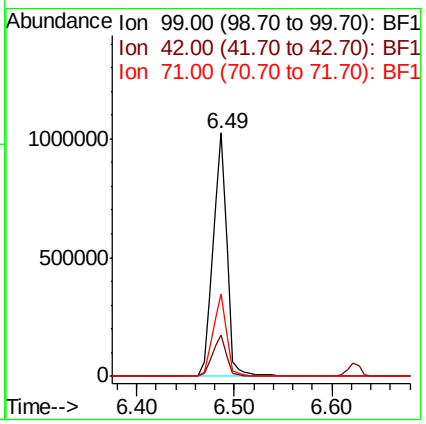




#7
Phenol-d6
Concen: 93.273 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion: 99 Resp: 1006241

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.6
71	33.7	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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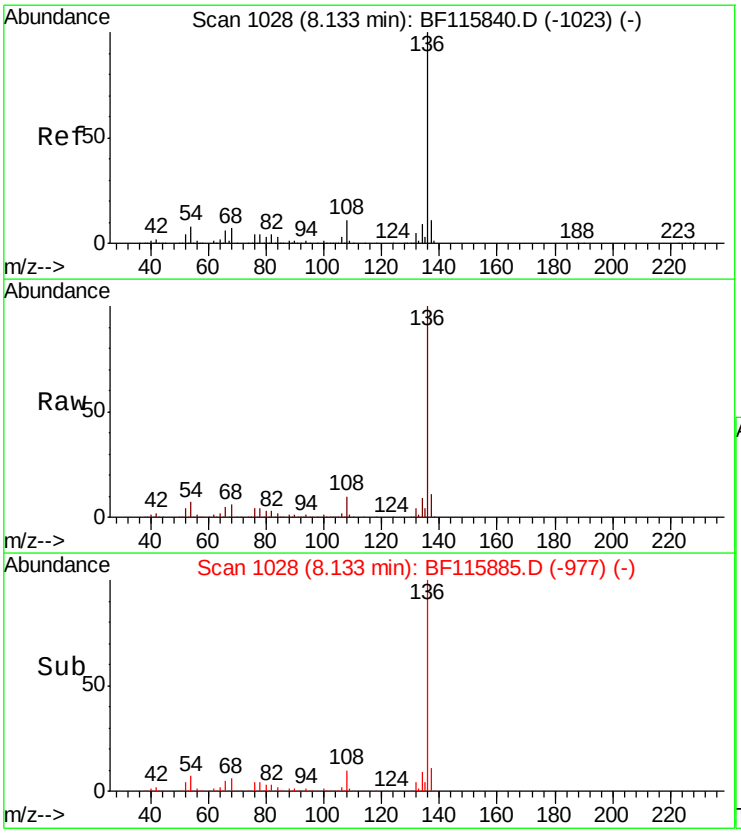
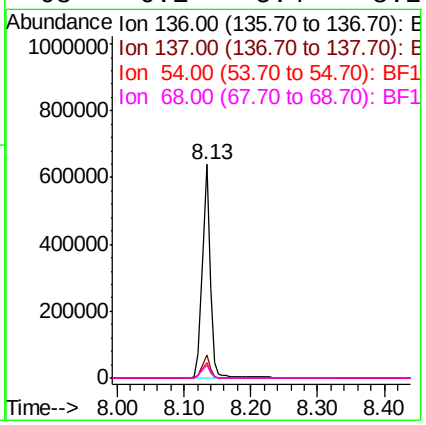
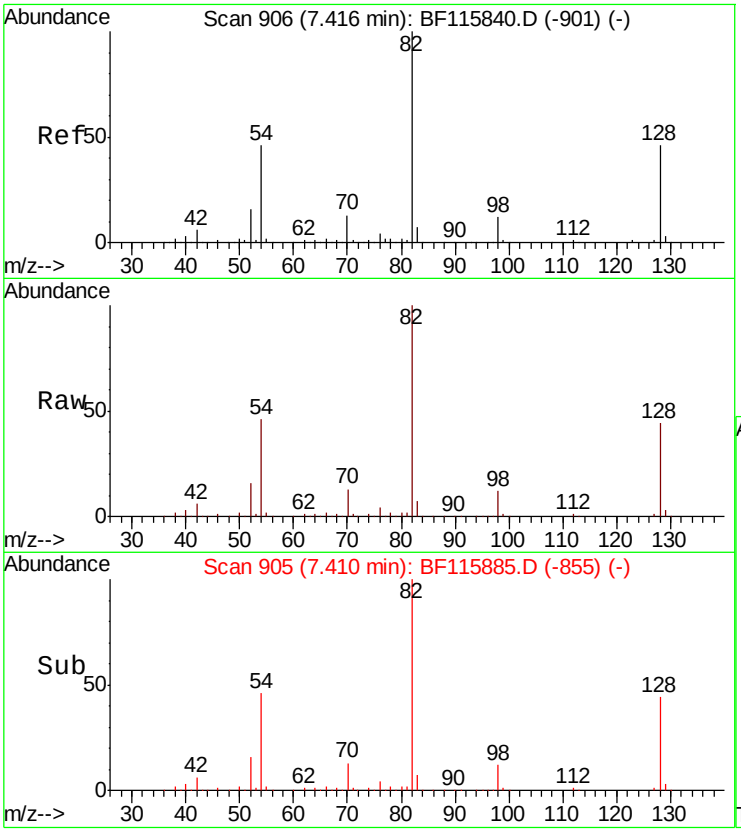


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:136 Resp: 527310

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.0	6.1	9.1
68	6.1	5.4	8.2

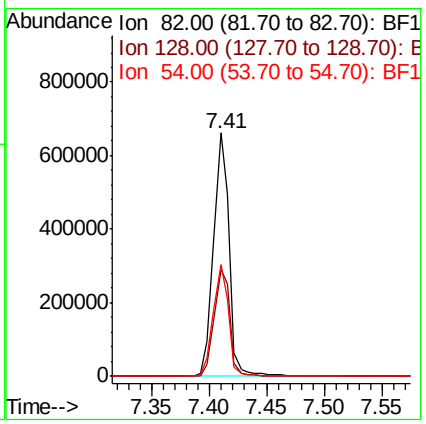




#23
Nitrobenzene-d5
Concen: 67.927 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion: 82 Resp: 620520

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.6	55.0
54	46.2	36.6	55.0



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

Manual Integrations APPROVED
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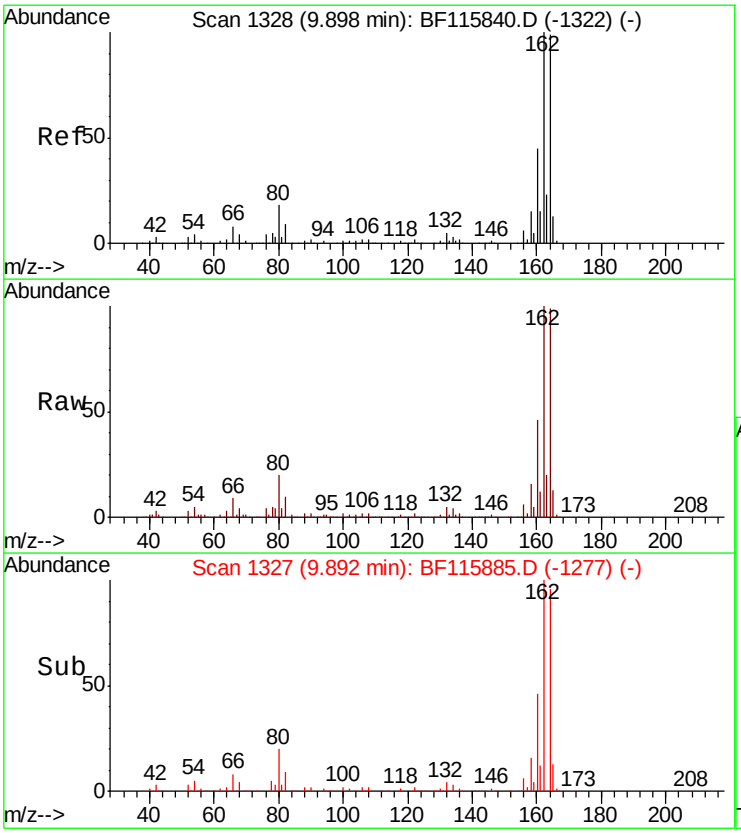
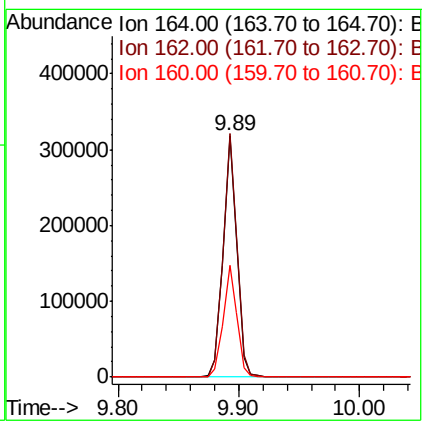
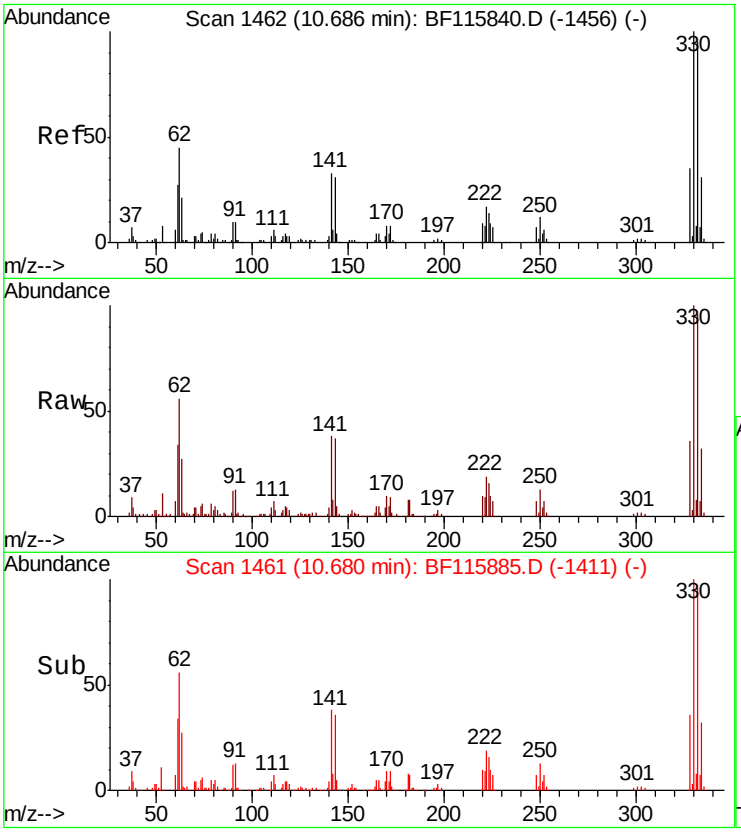


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:164 Resp: 250695

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.8	121.2
160	46.4	36.2	54.4

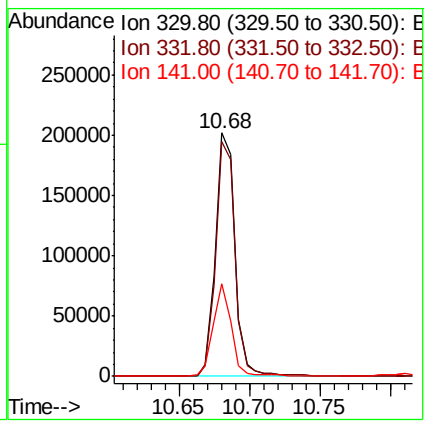




#42
2,4,6-Tribromophenol
Concen: 80.245 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:330 Resp: 195039

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	34.8	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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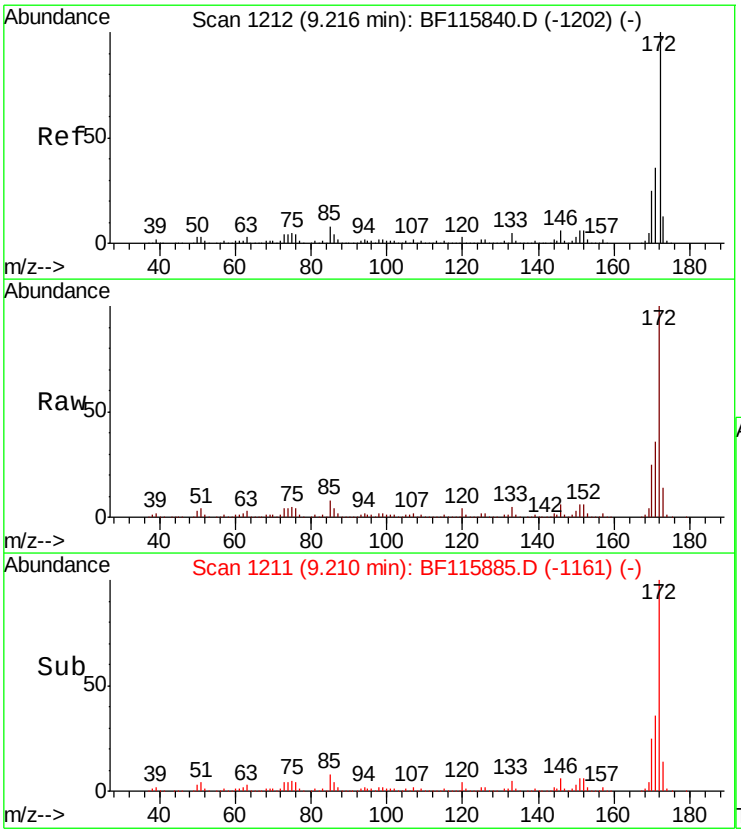
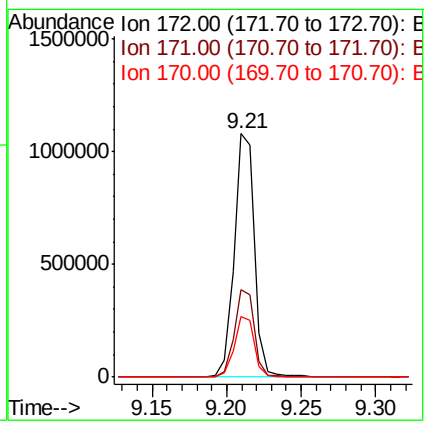
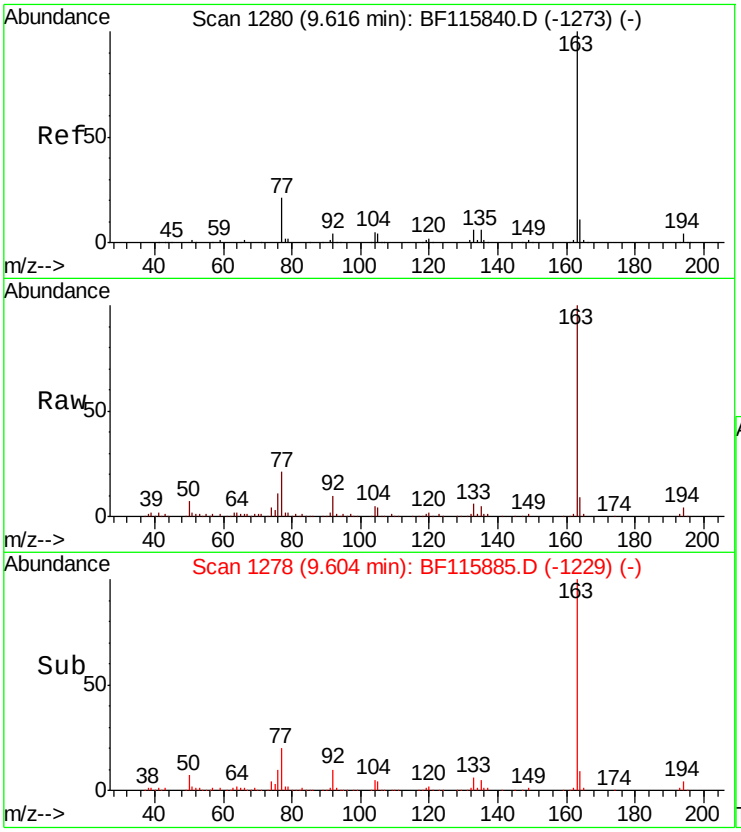


#45
2-Fluorobiphenyl
Concen: 77.175 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:172 Resp: 1032916

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.1	43.7
170	24.7	20.1	30.1

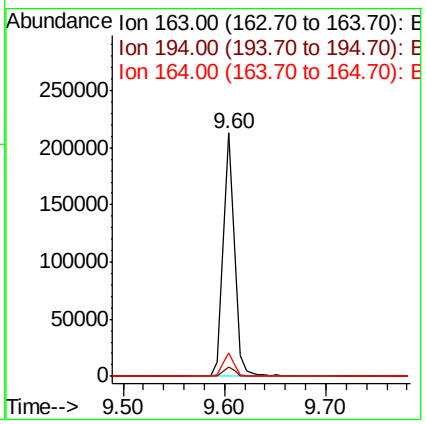




#50
Dimethylphthalate
Concen: 9.733 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:163 Resp: 166140

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.4	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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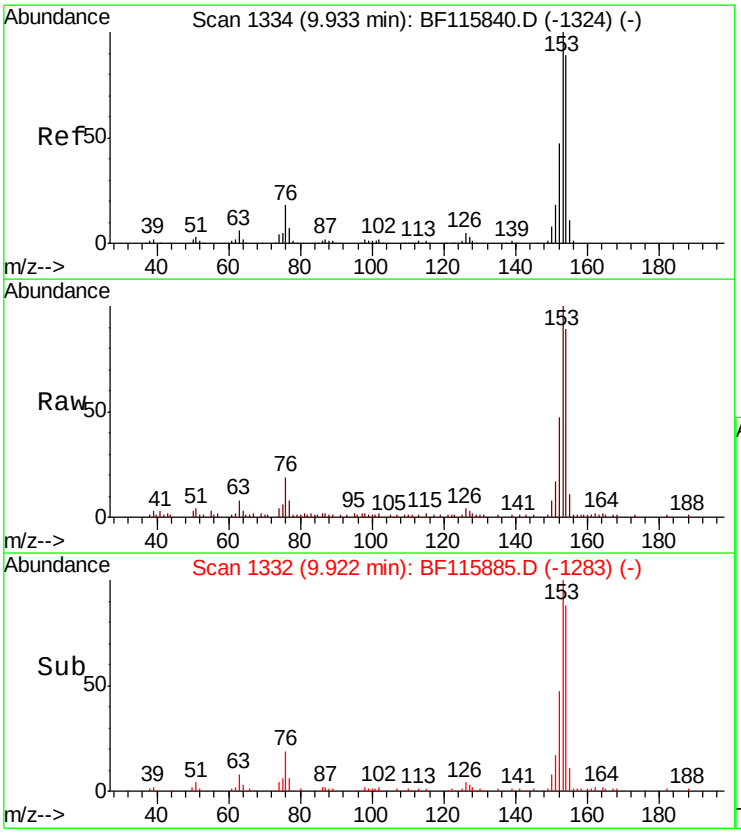
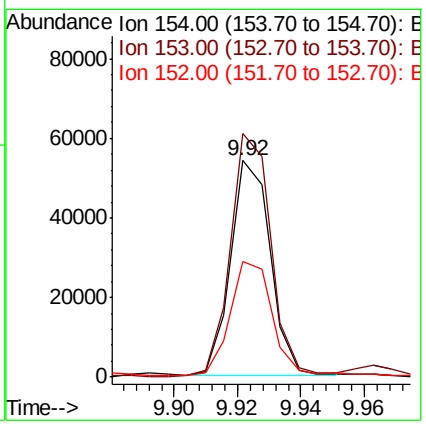
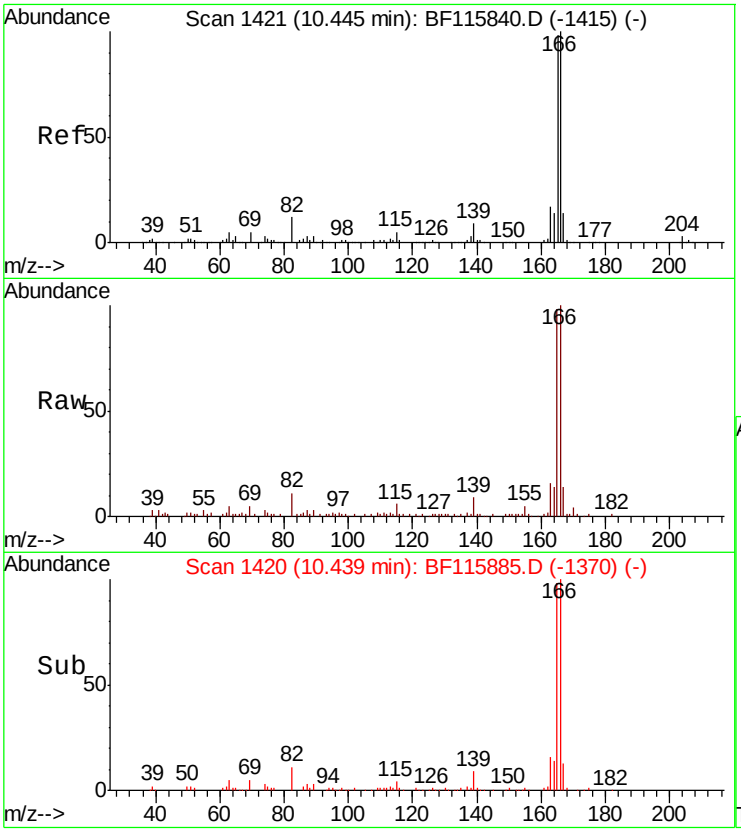


#52
Acenaphthene
Concen: 3.539 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:154 Resp: 46661

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.1	135.1
152	53.2	42.6	63.8

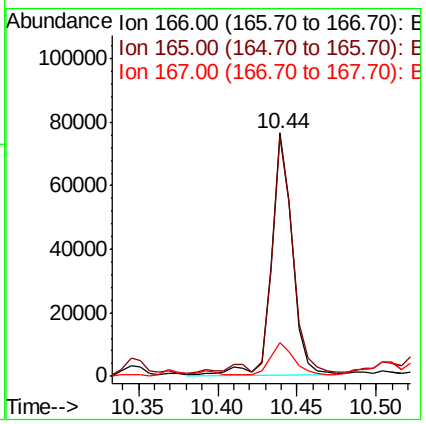




#58
Fluorene
Concen: 4.766 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:166 Resp: 70304

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	14.0	10.9	16.3



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ClientSampleId :
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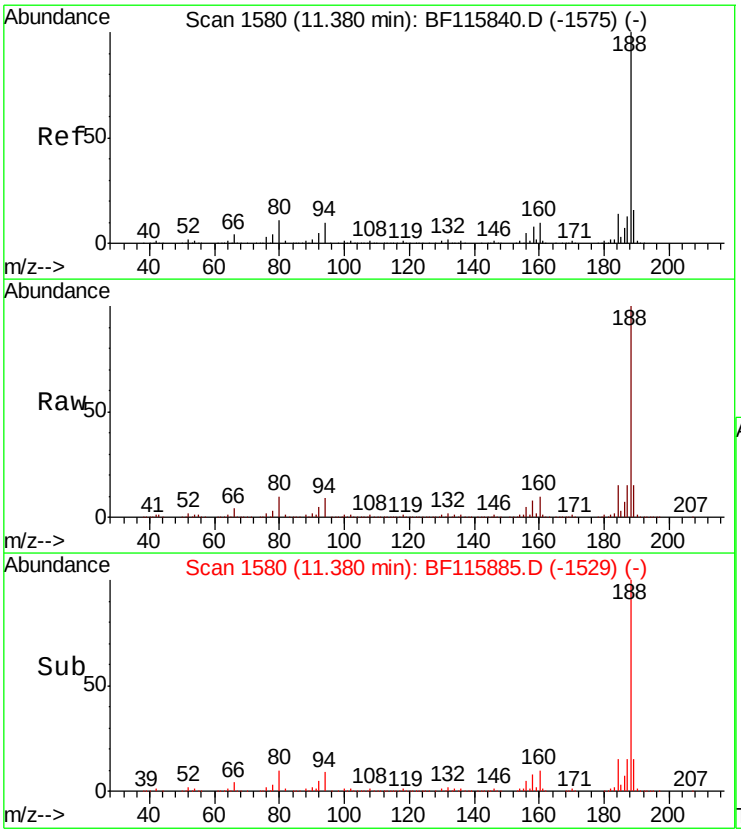
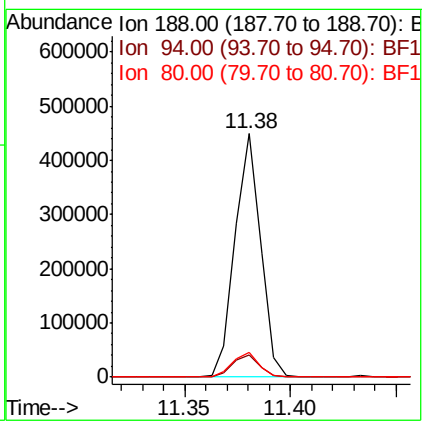
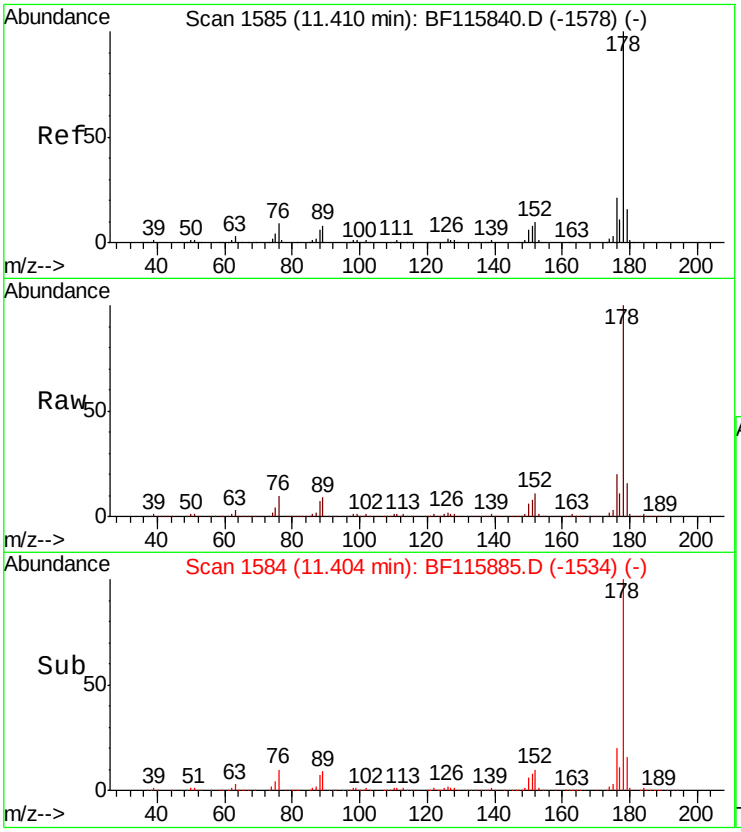


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:188 Resp: 376407

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	10.0	8.6	12.8

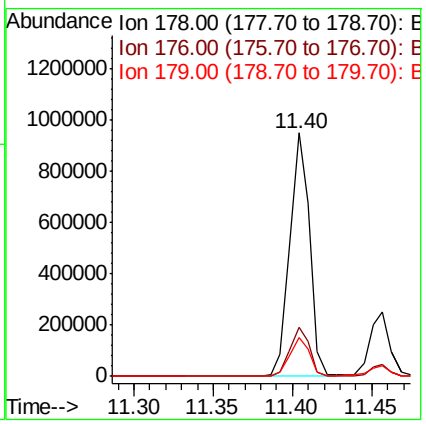




#71
Phenanthrene
Concen: 42.449 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:178 Resp: 816844

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.5	24.7
179	15.9	12.6	18.8



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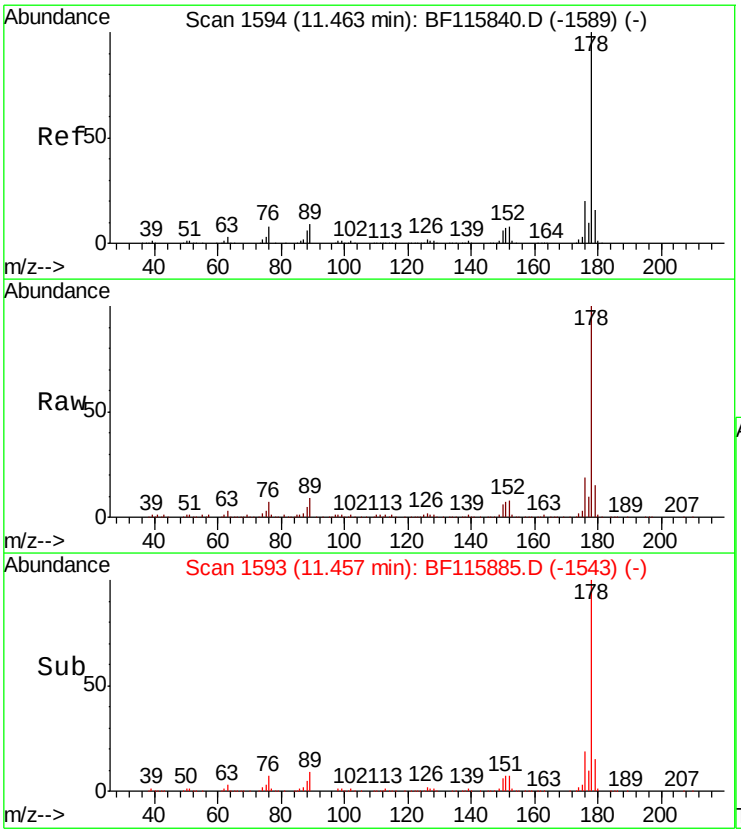
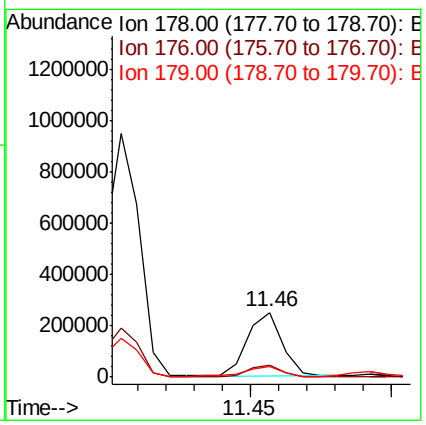
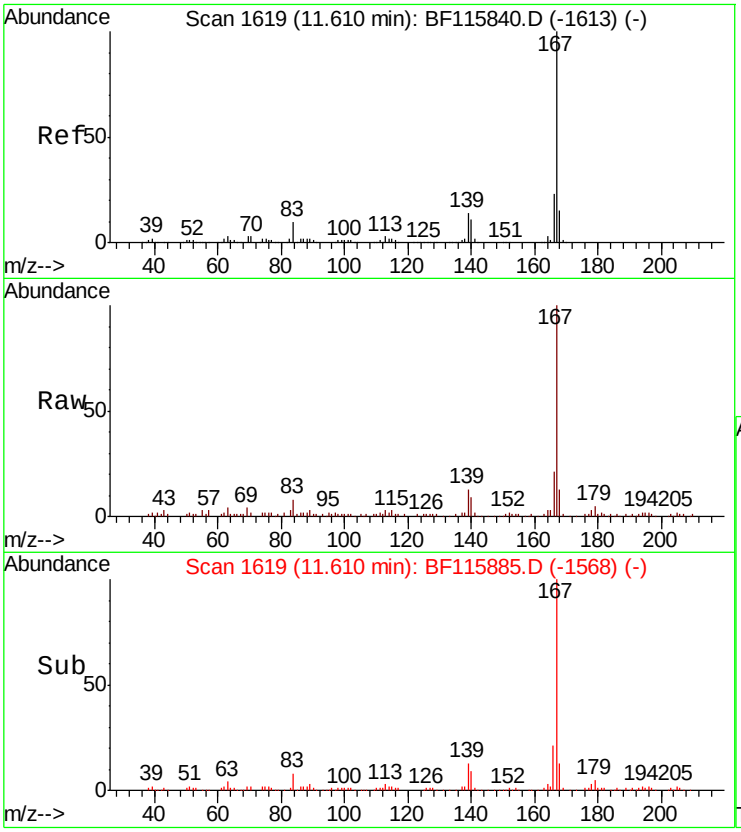


#72
Anthracene
Concen: 10.917 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:178 Resp: 212605

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.5	12.4	18.6

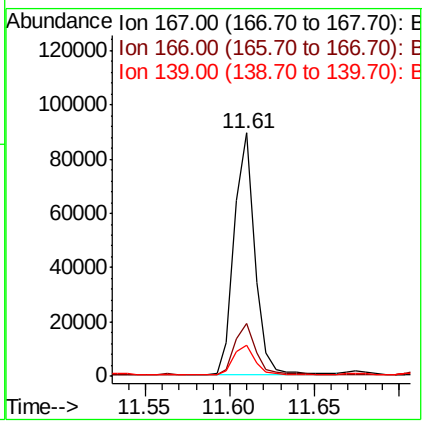




#73
Carbazole
Concen: 4.294 ng
RT: 11.61 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:167 Resp: 75865

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.0	27.0
139	13.0	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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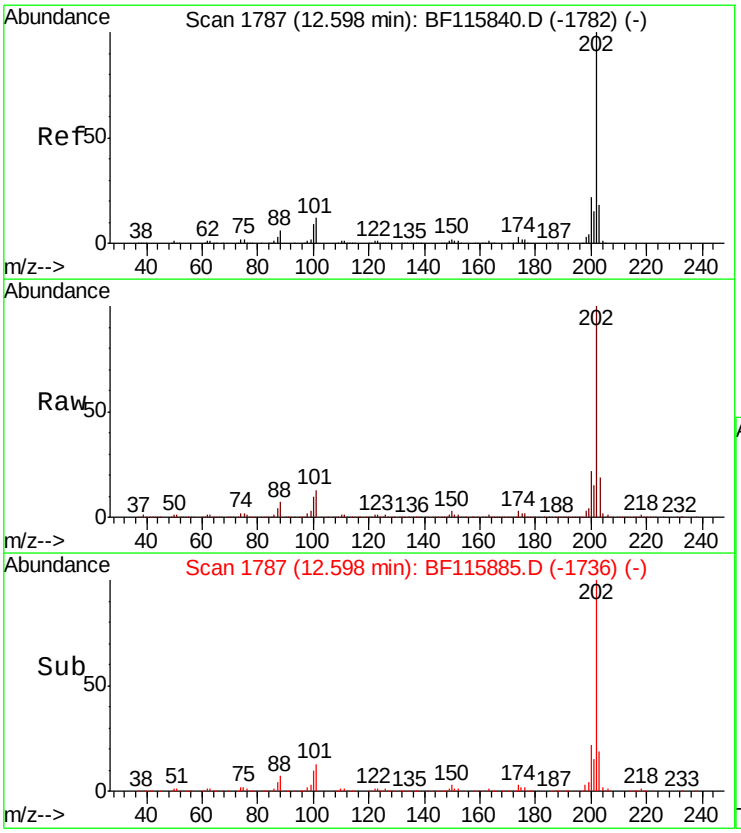
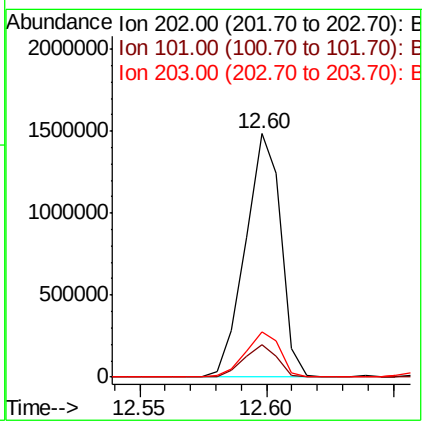
8/1/2019 5:07:13 PM

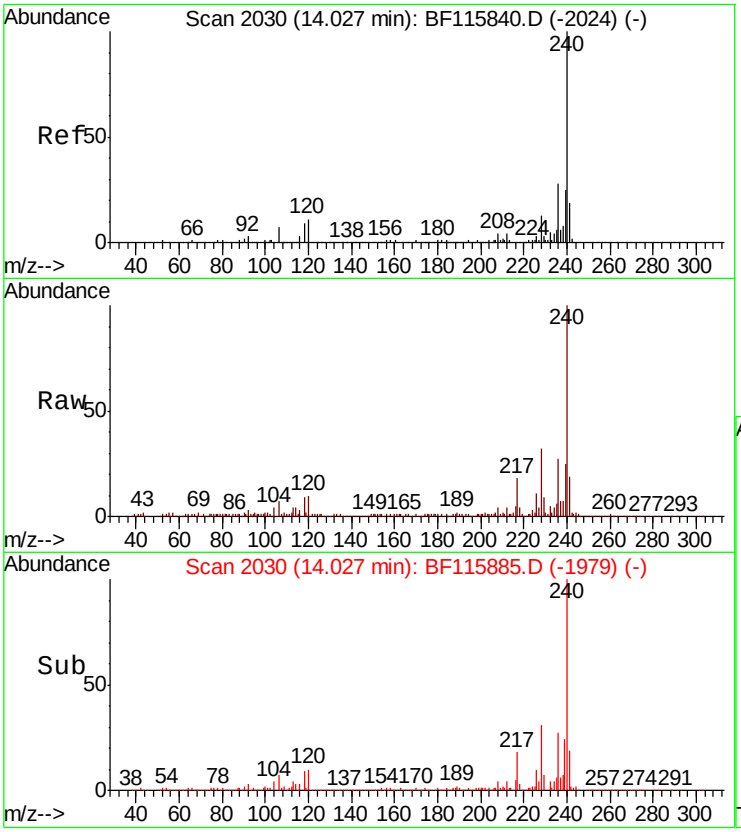


#75
Fluoranthene
Concen: 71.591 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:202 Resp: 1442212

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.5
203	18.7	0.0	37.9

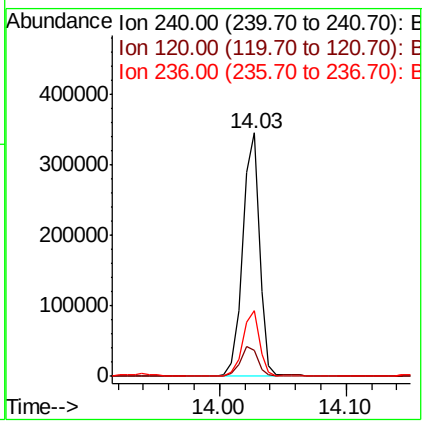




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:240 Resp: 313551

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.5	12.7
236	27.2	22.2	33.2



Instrument :
BNA_F
ClientSampleId :
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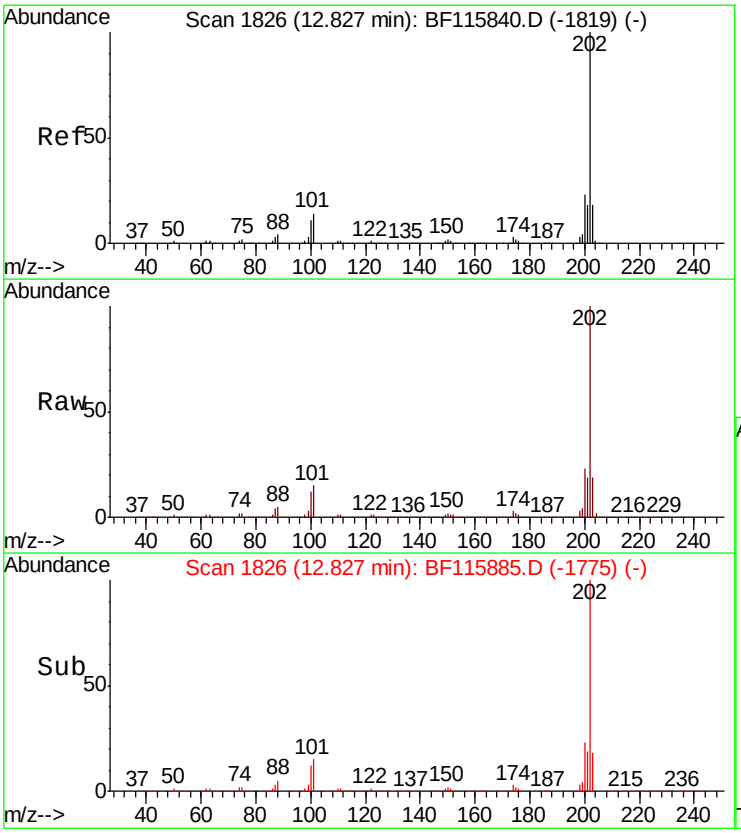
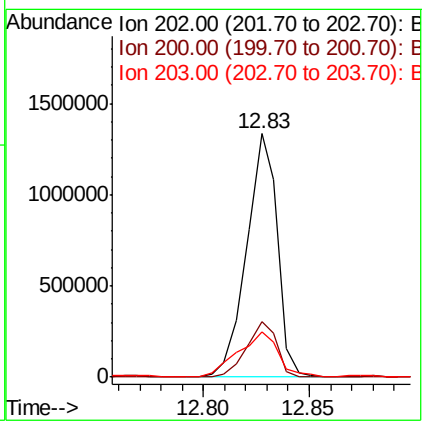
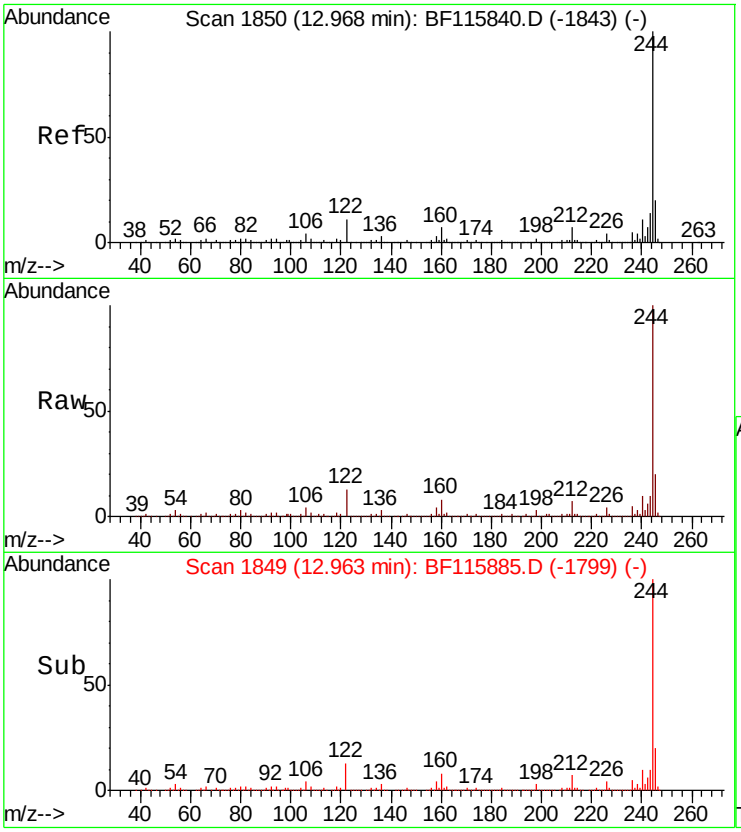


#78
Pyrene
Concen: 57.174 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:202 Resp: 1351367

Ion	Ratio	Lower	Upper
202	100		
200	22.8	18.2	27.2
203	18.6	14.3	21.5

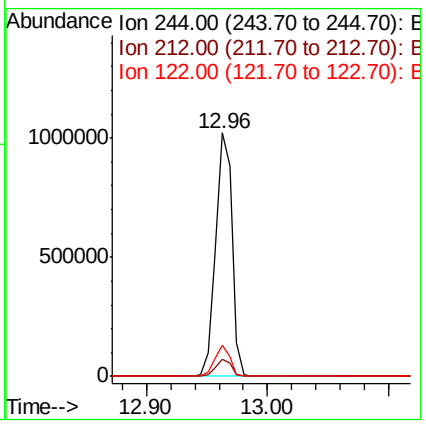




#79
Terphenyl-d14
Concen: 63.223 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:244 Resp: 940777

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
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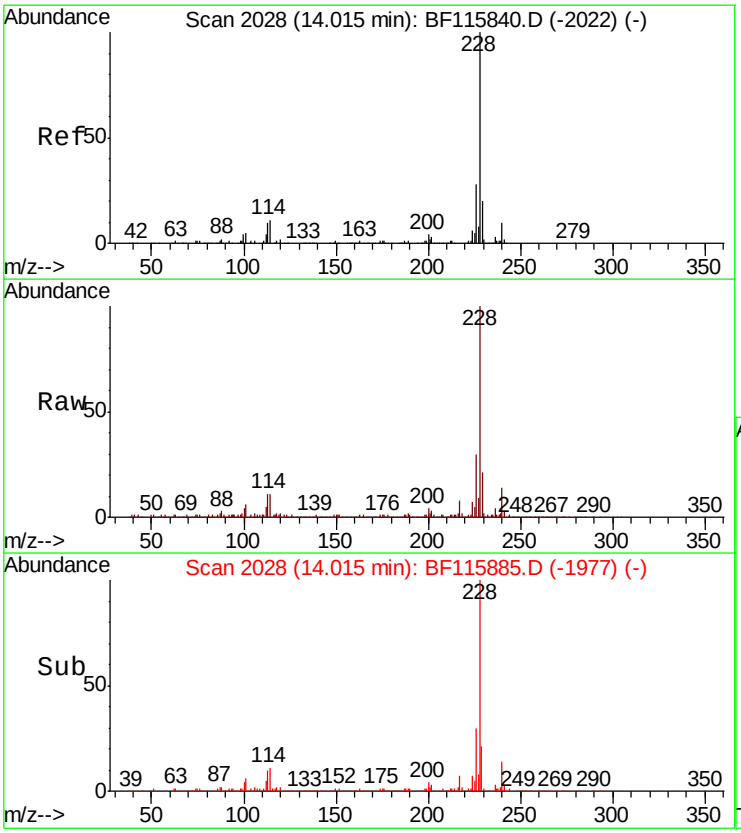
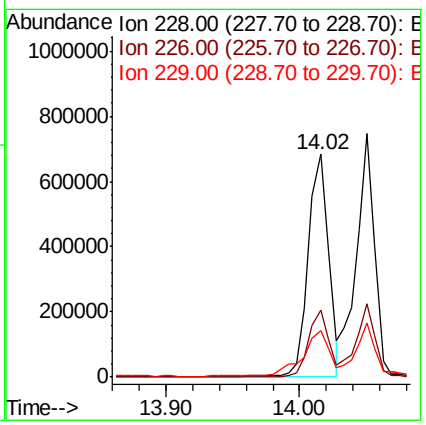
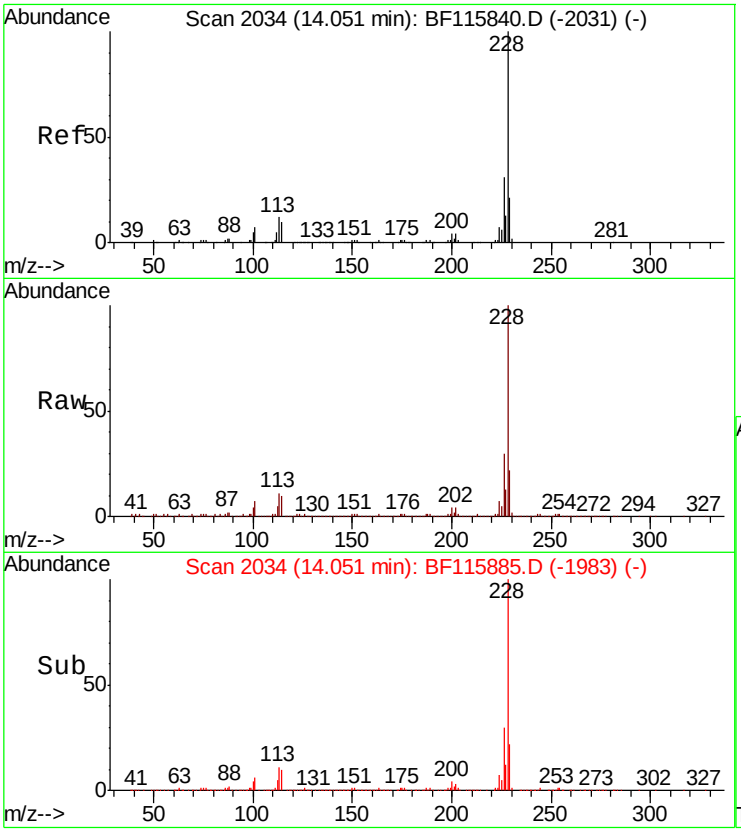


#81
Benzo(a)anthracene
Concen: 35.481 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:228 Resp: 711079

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.5	33.7
229	21.1	16.1	24.1

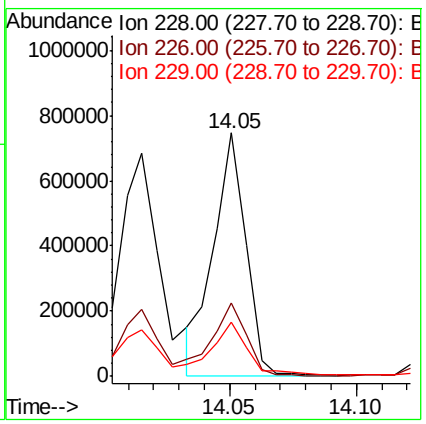




#83
Chrysene
Concen: 34.014 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:228 Resp: 661806

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.8	37.2
229	22.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
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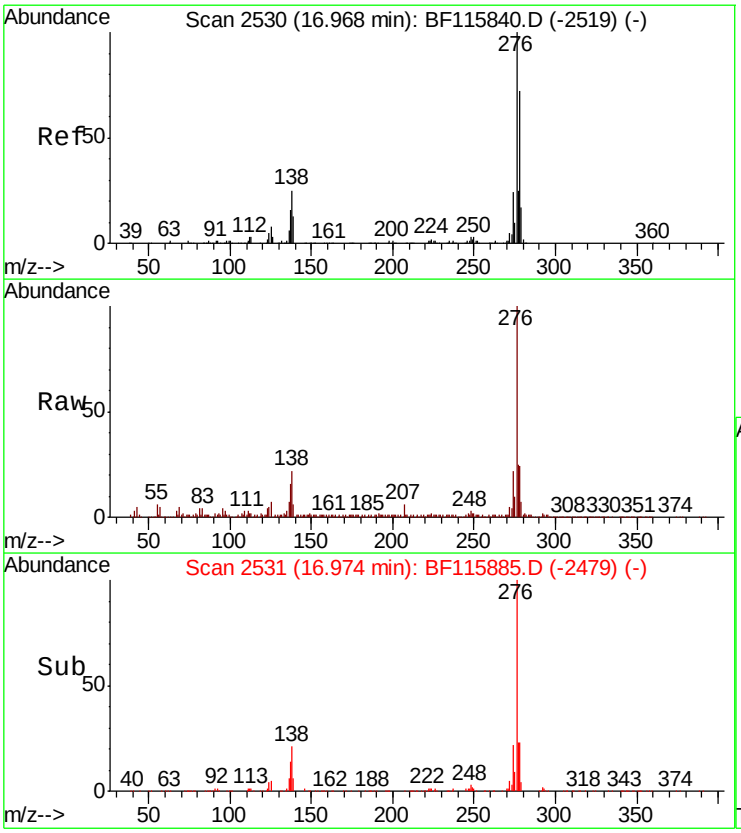
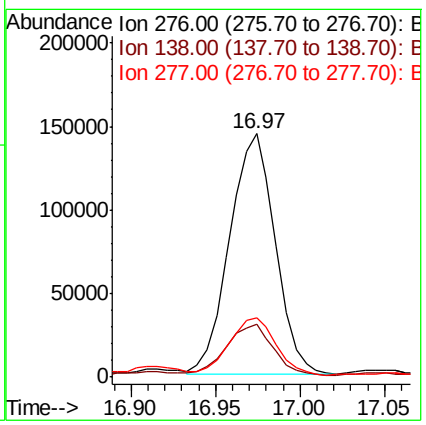
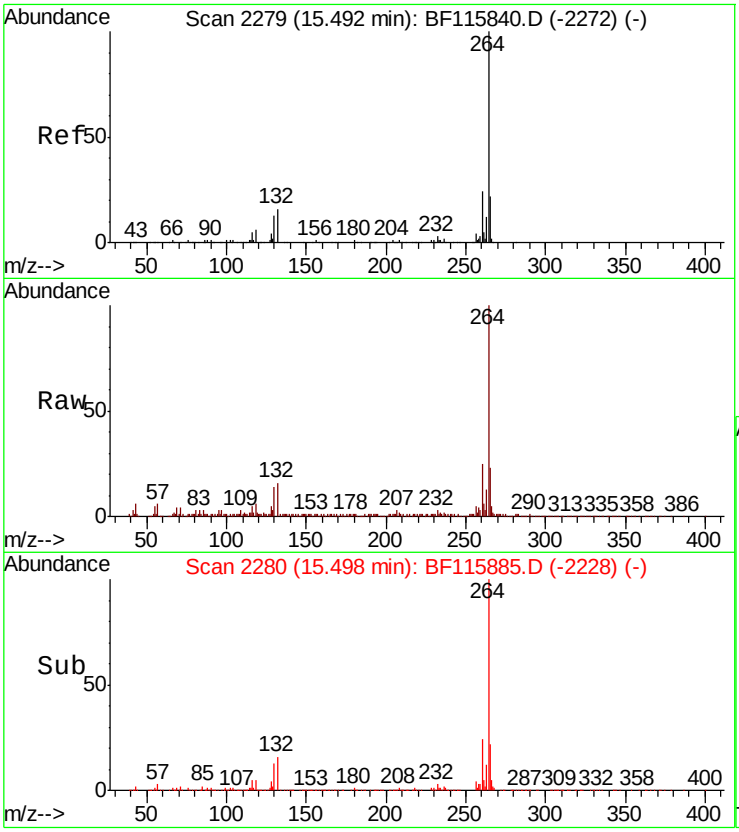


#86
Indeno(1,2,3-cd)pyrene
Concen: 16.387 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:276 Resp: 267787

Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.6	29.4
277	23.9	20.1	30.1

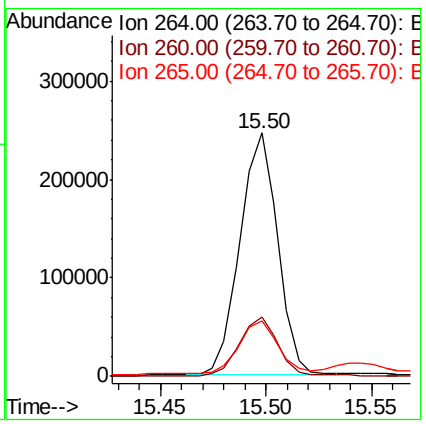




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:264 Resp: 306696

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.8	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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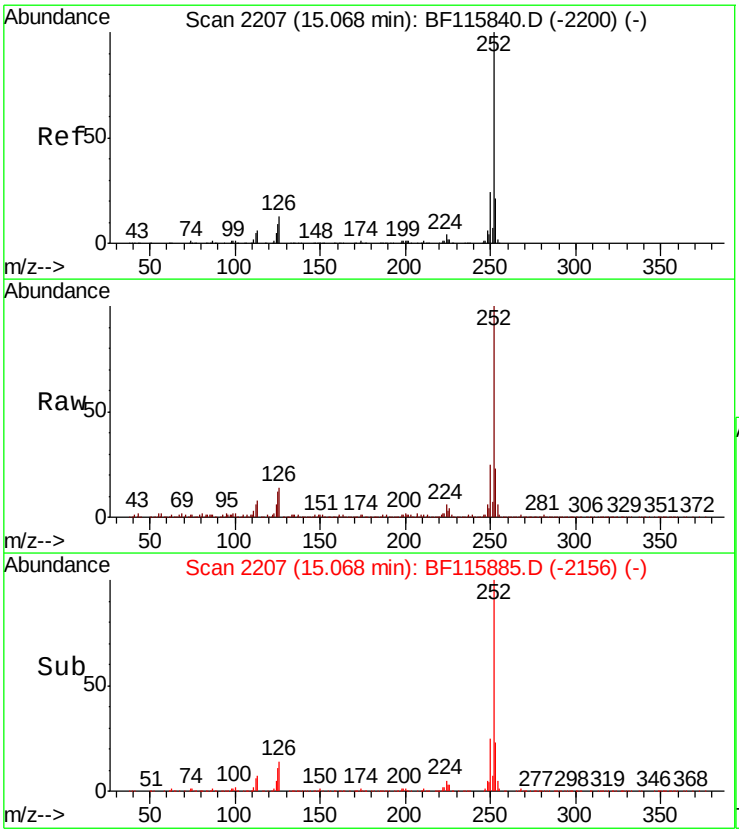
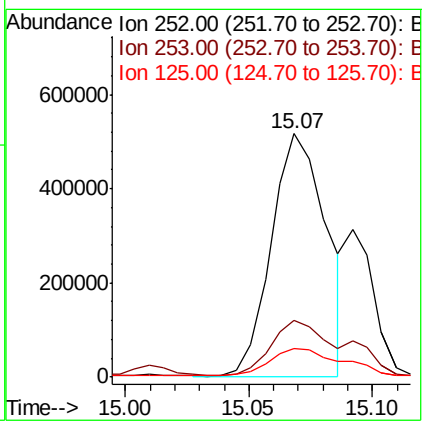
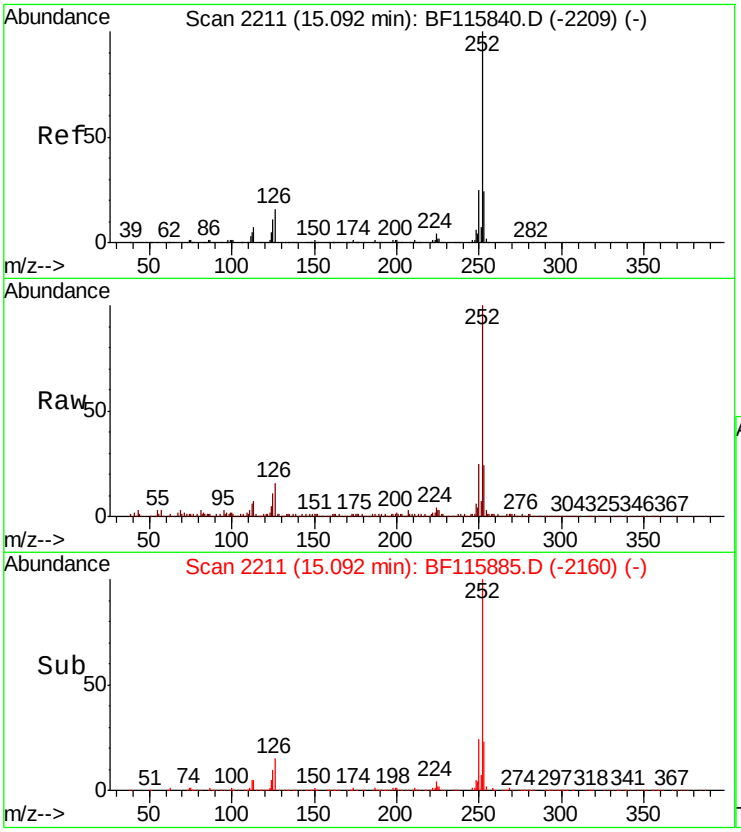


#88
Benzo(b)fluoranthene
Concen: 45.520 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:252 Resp: 807233

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.5	7.4	11.0#

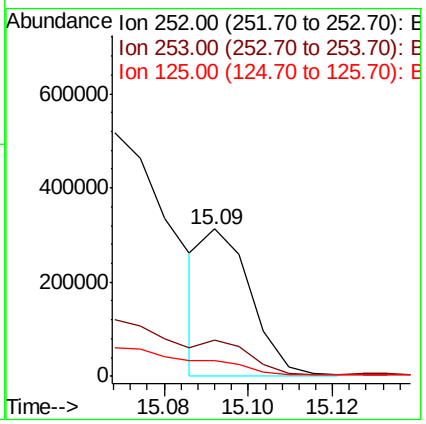




#89
Benzo(k)fluoranthene
Concen: 14.294 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:252 Resp: 246896

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	10.8	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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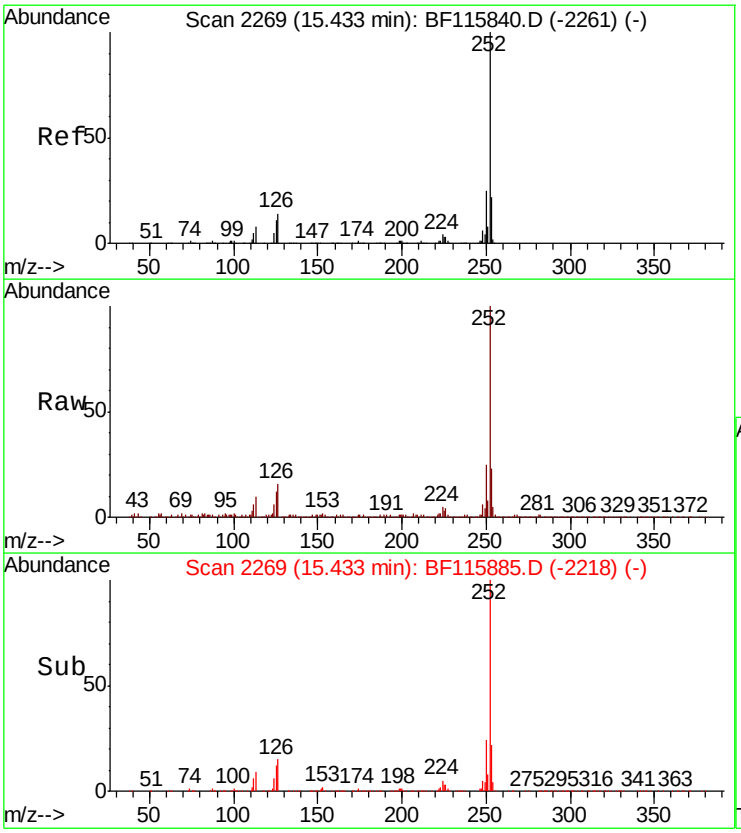
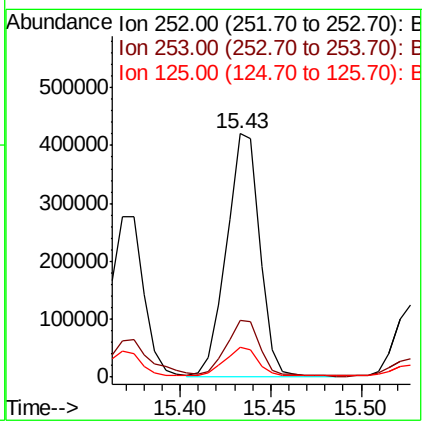
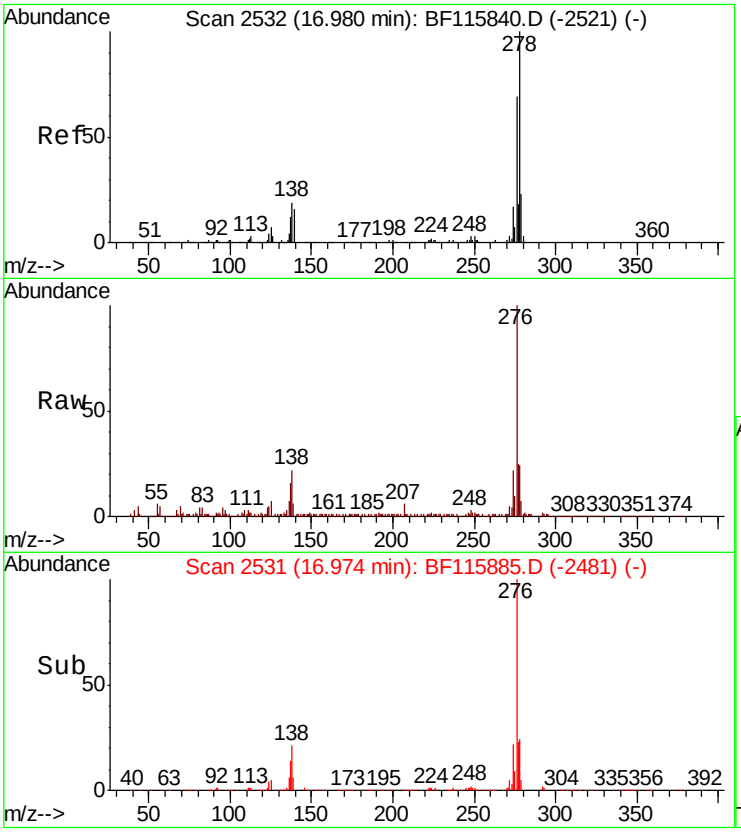


#90
Benzo(a)pyrene
Concen: 33.710 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:252 Resp: 534390

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.3	8.8	13.2

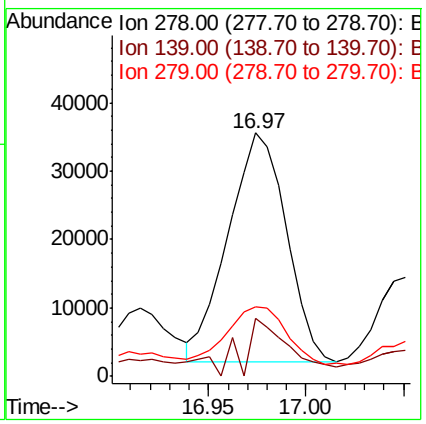




#91
Dibenzo(a,h)anthracene
Concen: 5.024 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:278 Resp: 68933

Ion	Ratio	Lower	Upper
278	100		
139	24.0	12.6	19.0#
279	28.7	18.8	28.2#



Instrument :
BNA_F
ClientSampleId :
HD-02-073019

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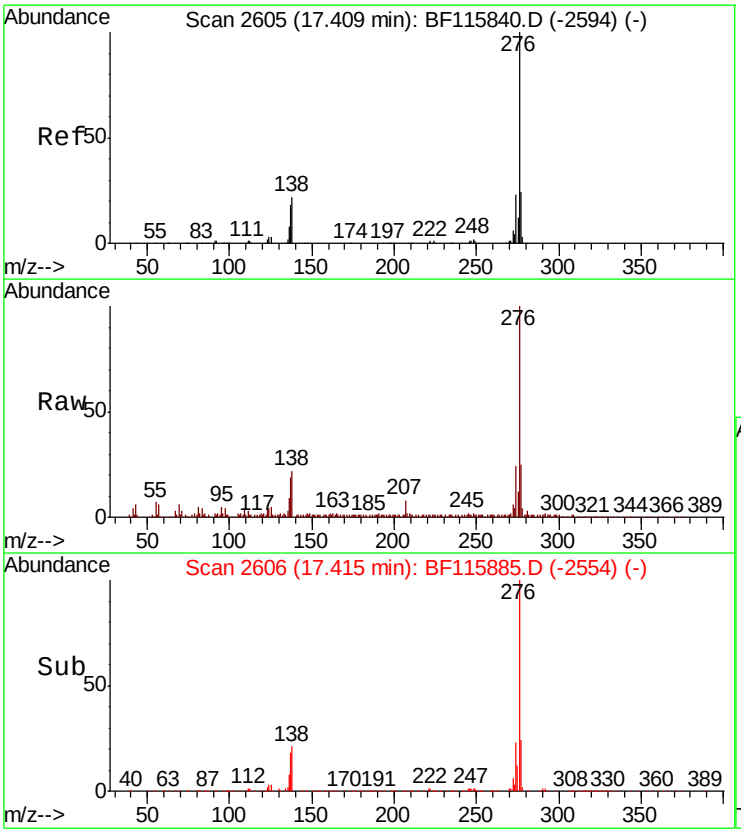

#92
Benzo(g,h,i)perylene
Concen: 18.812 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF115885.D
Acq: 31 Jul 2019 23:52

Tgt Ion:276 Resp: 253517

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.5	29.3
138	21.7	17.8	26.8