Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117646.D
Acq On : 31 Oct 2019 5:21
Operator : JU
Sample : K5576-19DL 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
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10/31/2019 3:11:16 PM

Quant Time: Oct 31 08:19:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	30047	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	134239	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	65088	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	95063	20.00	ng		0.00
76) Chrysene-d12	13.90	240	71838	20.00	ng		0.00
87) Perylene-d12	15.33	264	60263	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	9661	4.78	ng		0.05
7) Phenol-d6	6.43	99	16704	6.16	ng		0.05
23) Nitrobenzene-d5	7.33	82	7431	2.73	ng		0.02
42) 2,4,6-Tribromophenol	10.57	330	2573	4.57	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	19716	4.27	ng		0.00
79) Terphenyl-d14	12.83	244	16308	3.70	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.03	128	14523	2.183	ng		97
52) Acenaphthene	9.79	154	20403	5.573	ng		95
55) Dibenzofuran	9.97	168	17313	3.264	ng		98
58) Fluorene	10.32	166	20863	4.756	ng		92
71) Phenanthrene	11.27	178	273496	49.547	ng		99
72) Anthracene	11.33	178	73258	12.934	ng		96
73) Carbazole	11.50	167	14740	2.848	ng		93
75) Fluoranthene	12.47	202	243783	44.116	ng		98
78) Pyrene	12.70	202	223241	36.179	ng		100
81) Benzo(a)anthracene	13.89	228	92768	19.144	ng		100
83) Chrysene	13.92	228	74750	15.740	ng		100
86) Indeno(1,2,3-cd)pyrene	16.76	276	22701	6.402	ng		98
88) Benzo(b)fluoranthene	14.93	252	66570m	18.707	ng		
89) Benzo(k)fluoranthene	14.95	252	25378m	6.958	ng		
90) Benzo(a)pyrene	15.27	252	48881	15.108	ng		95
92) Benzo(g,h,i)perylene	17.19	276	20053	7.576	ng	#	87

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

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Manual Integrations APPROVED
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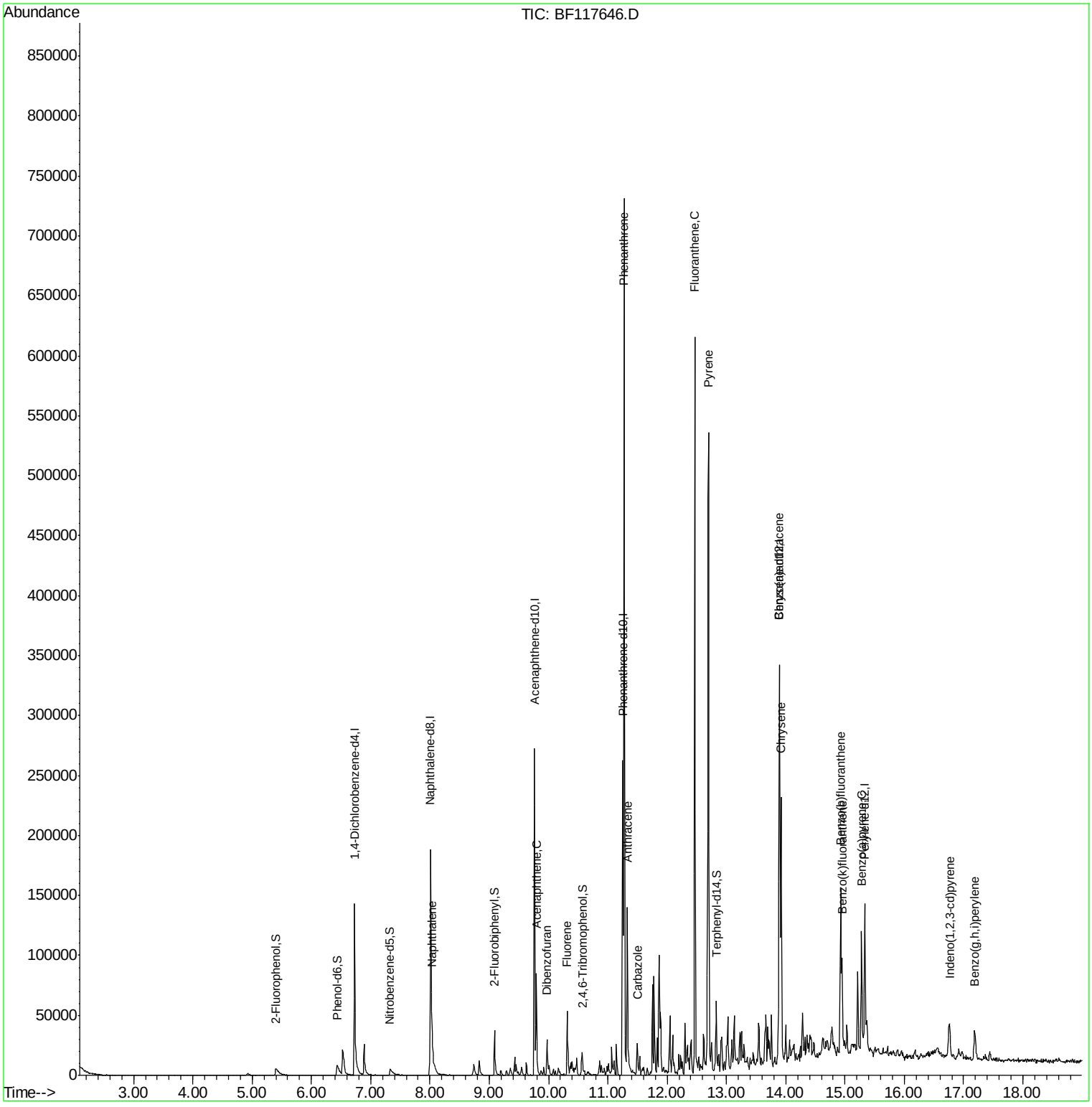
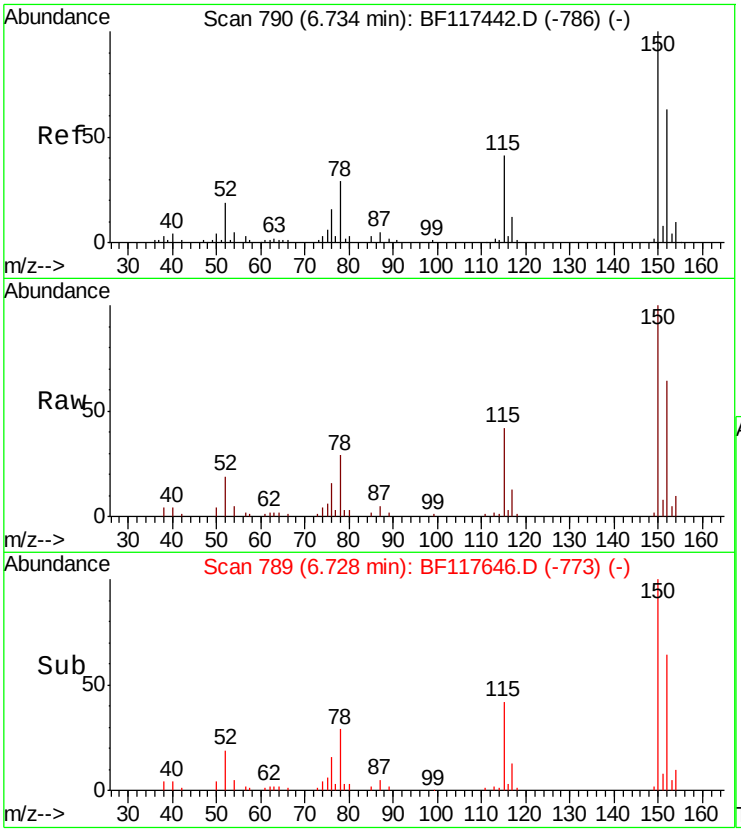
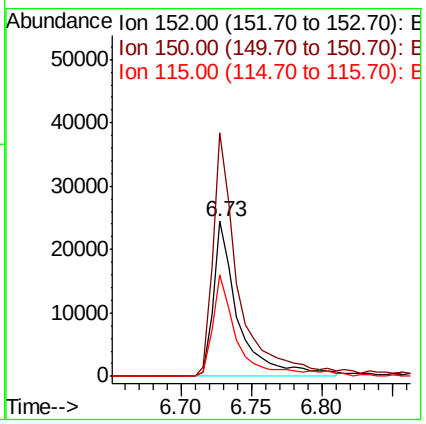




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:152 Resp: 30047

Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.8	190.2
115	65.9	51.6	77.4



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
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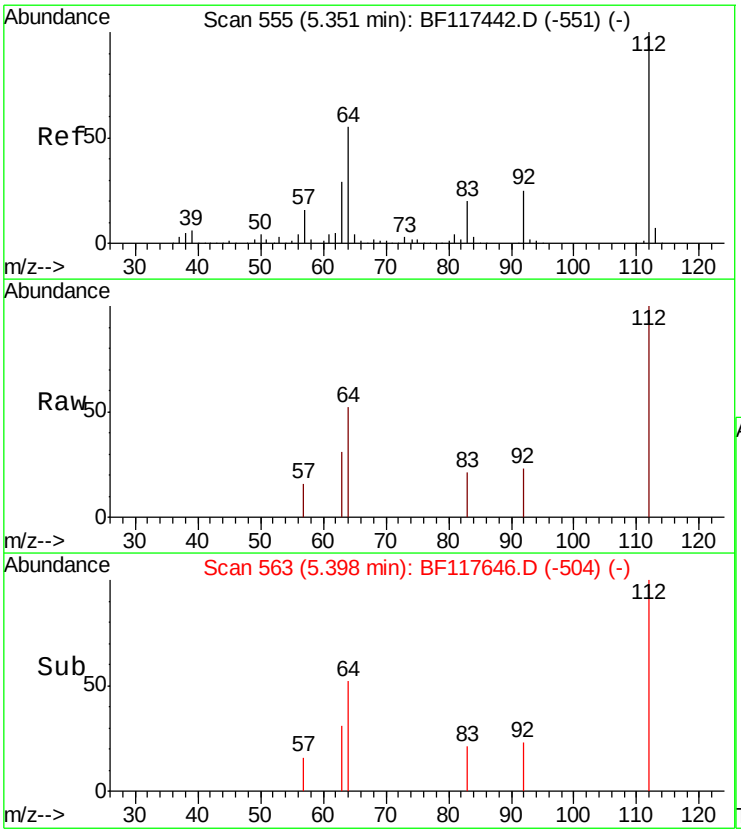
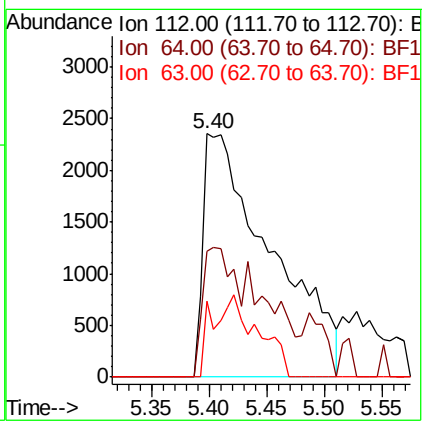
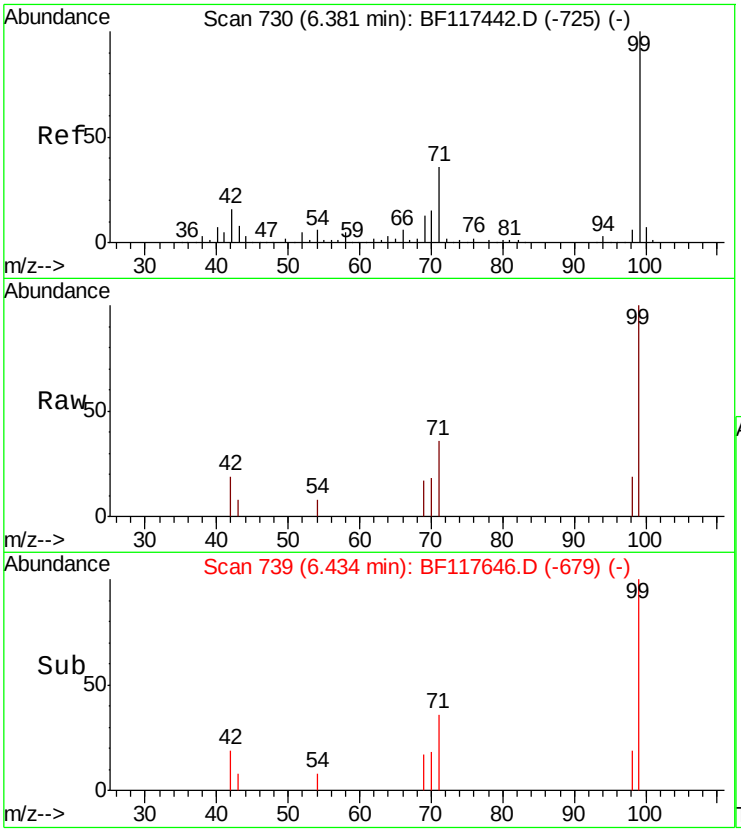


#5
2-Fluorophenol
Concen: 4.783 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.05 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:112 Resp: 9661

Ion	Ratio	Lower	Upper
112	100		
64	51.5	44.1	66.1
63	31.1	23.4	35.2

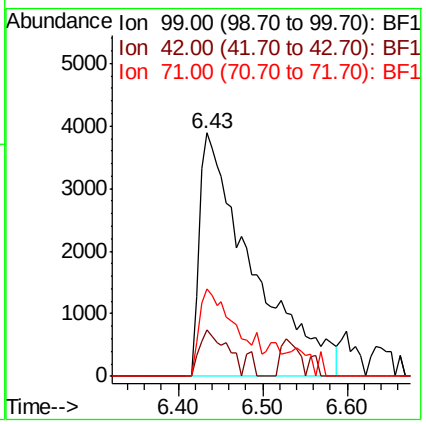




#7
Phenol-d6
Concen: 6.158 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.05 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion: 99 Resp: 16704

Ion	Ratio	Lower	Upper
99	100		
42	19.2	12.8	19.2
71	35.8	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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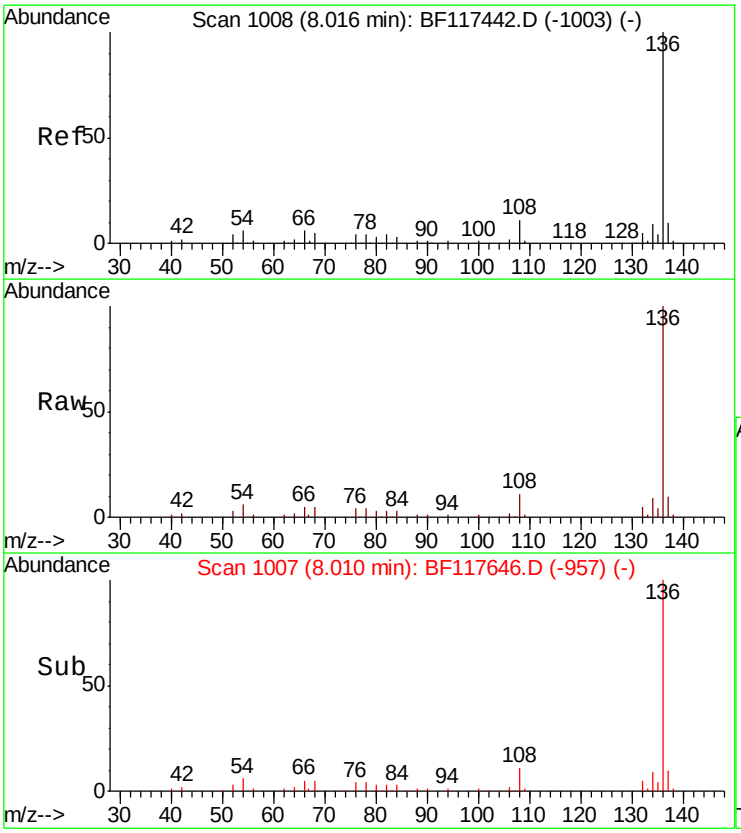
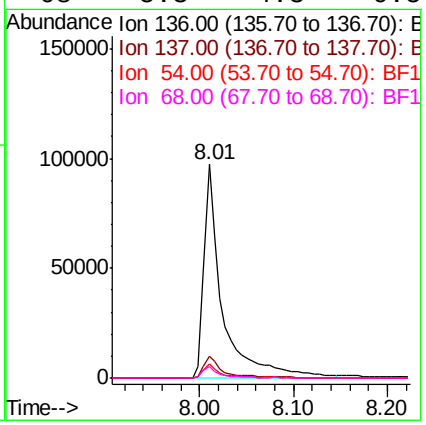
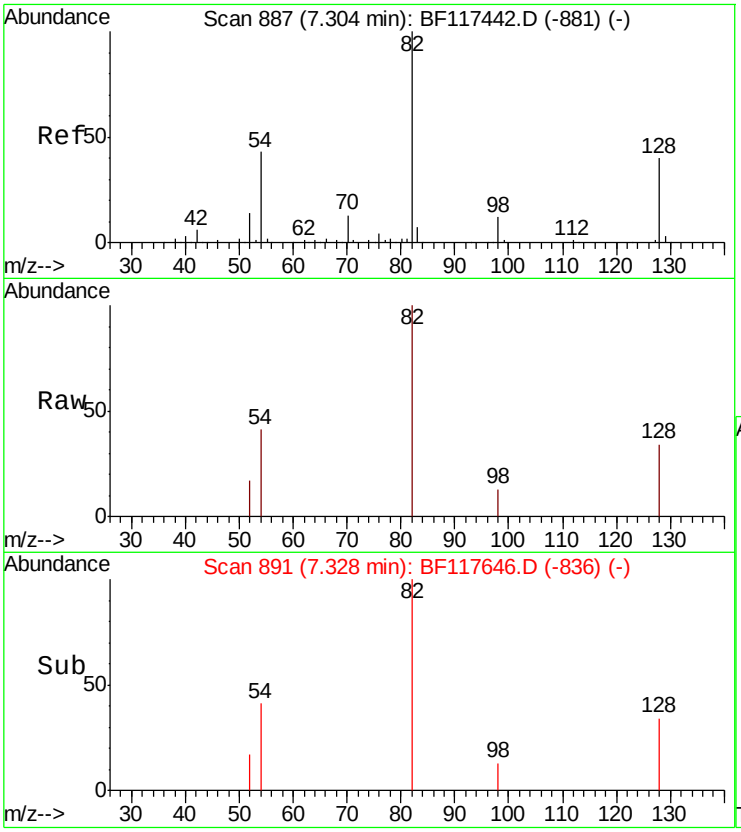


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:136 Resp: 134239

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.2	12.4
54	6.3	4.5	6.7
68	5.3	4.3	6.5

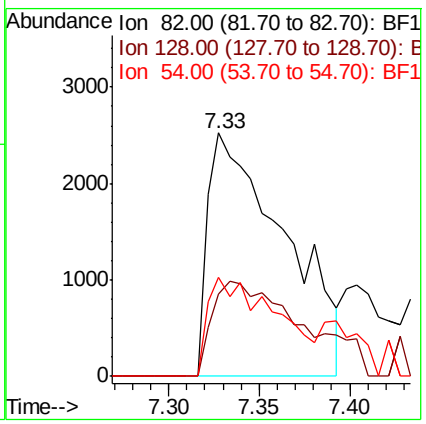




#23
Nitrobenzene-d5
Concen: 2.733 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.02 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion: 82 Resp: 7431

Ion	Ratio	Lower	Upper
82	100		
128	33.9	32.2	48.2
54	40.8	34.2	51.2



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
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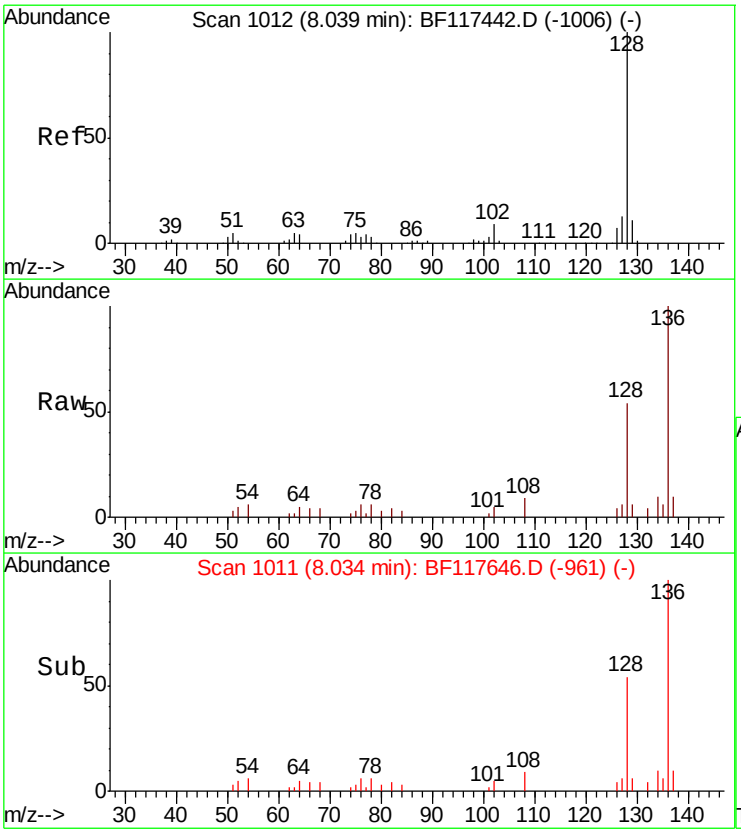
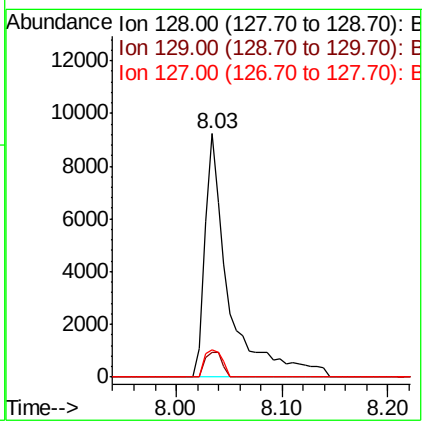
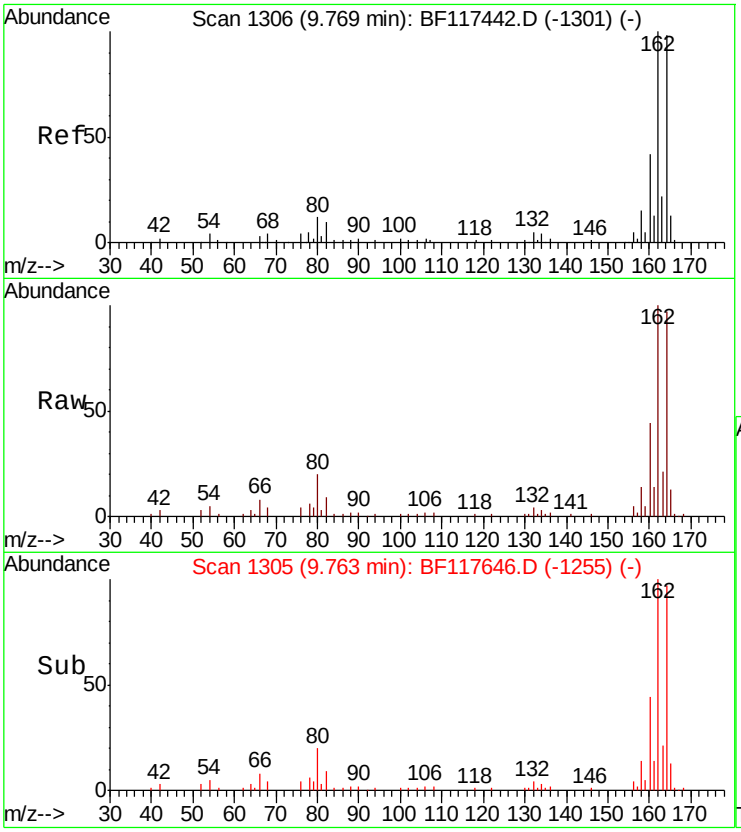


#31
Naphthalene
Concen: 2.183 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:128 Resp: 14523

Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.4
127	11.4	10.2	15.2

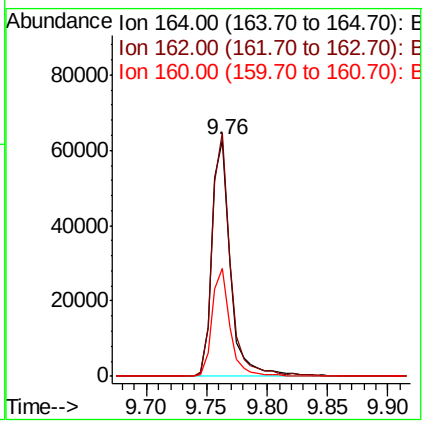




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:164 Resp: 65088

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.8	122.6
160	45.4	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
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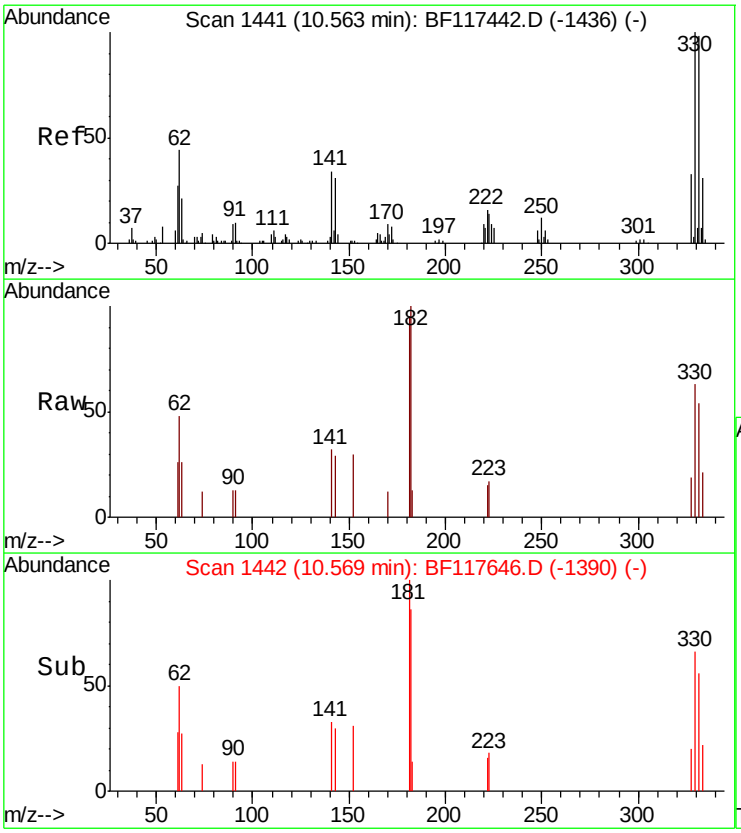
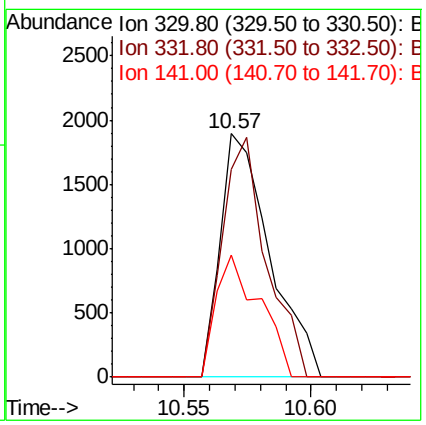
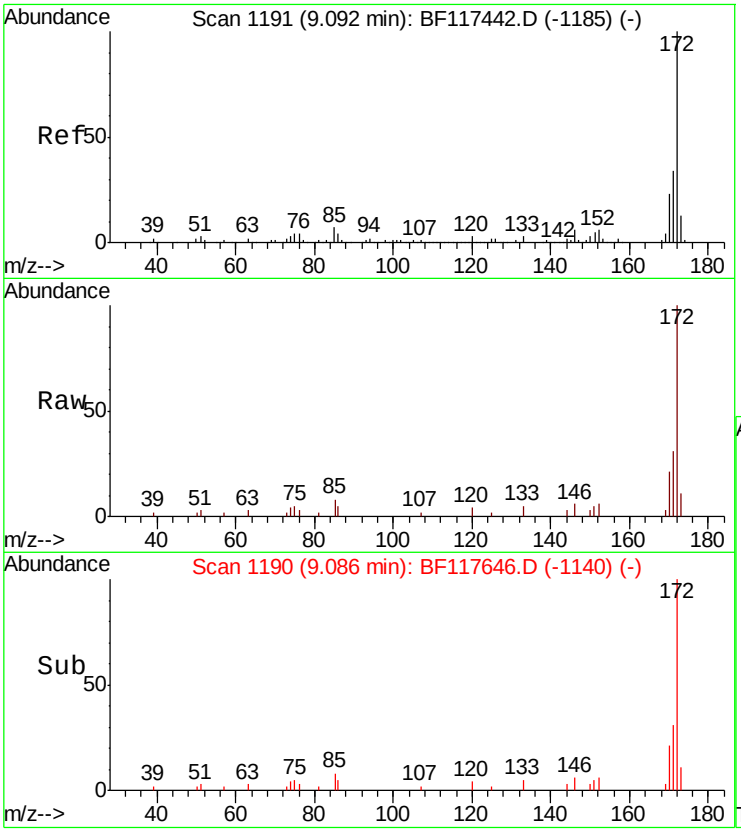


#42
2,4,6-Tribromophenol
Concen: 4.569 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:330 Resp: 2573

Ion	Ratio	Lower	Upper
330	100		
332	87.2	78.5	117.7
141	44.2	37.0	55.6

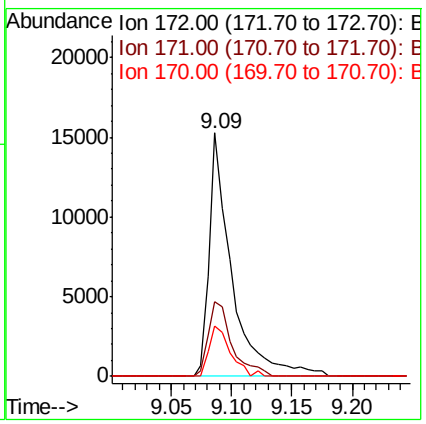




#45
2-Fluorobiphenyl
Concen: 4.268 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:172 Resp: 19716

Ion	Ratio	Lower	Upper
172	100		
171	30.8	27.5	41.3
170	20.9	18.6	27.8



Instrument :
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ClientSampleId :
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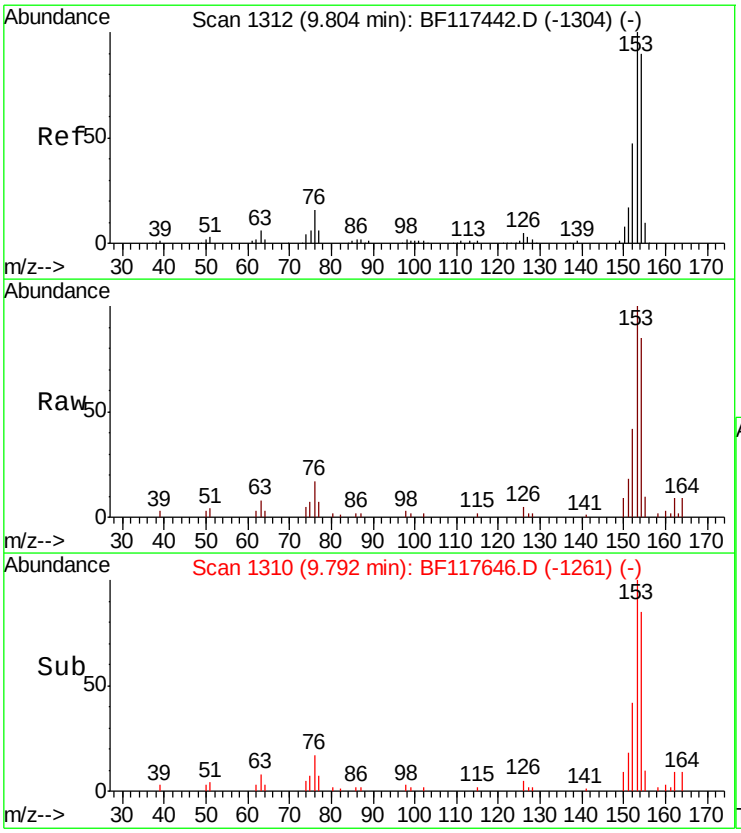
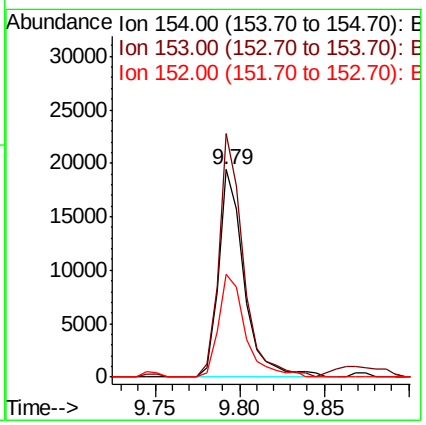
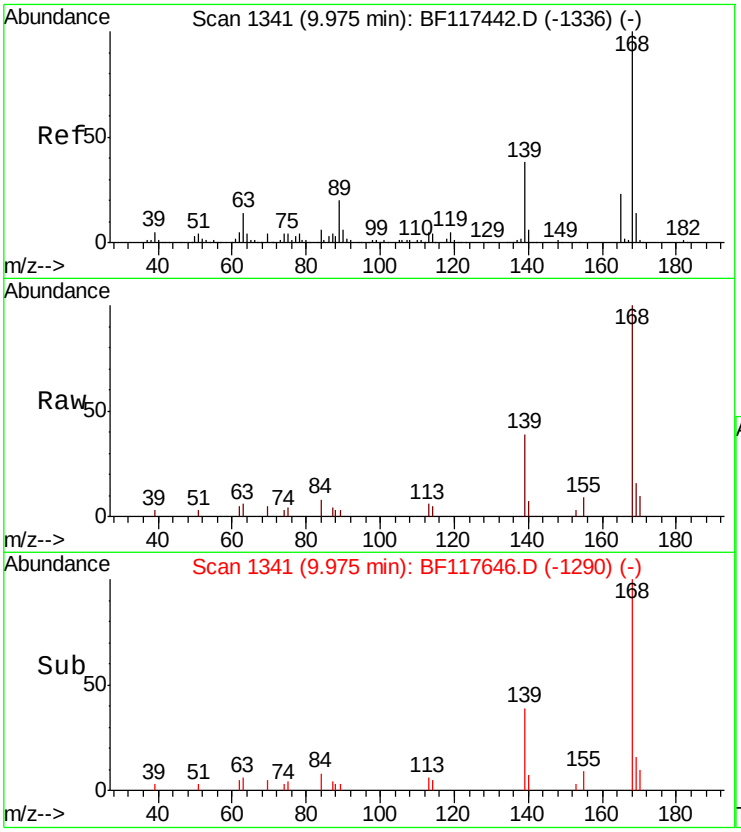


#52
Acenaphthene
Concen: 5.573 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:154 Resp: 20403

Ion	Ratio	Lower	Upper
154	100		
153	117.4	89.2	133.8
152	49.6	41.8	62.6

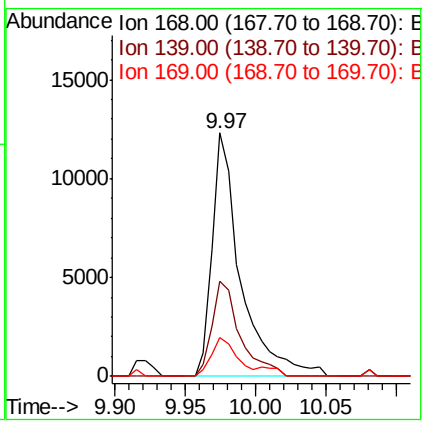




#55
Dibenzofuran
Concen: 3.264 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:168 Resp: 17313

Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.8	47.6
169	15.8	11.2	16.8



Instrument :
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ClientSampleId :
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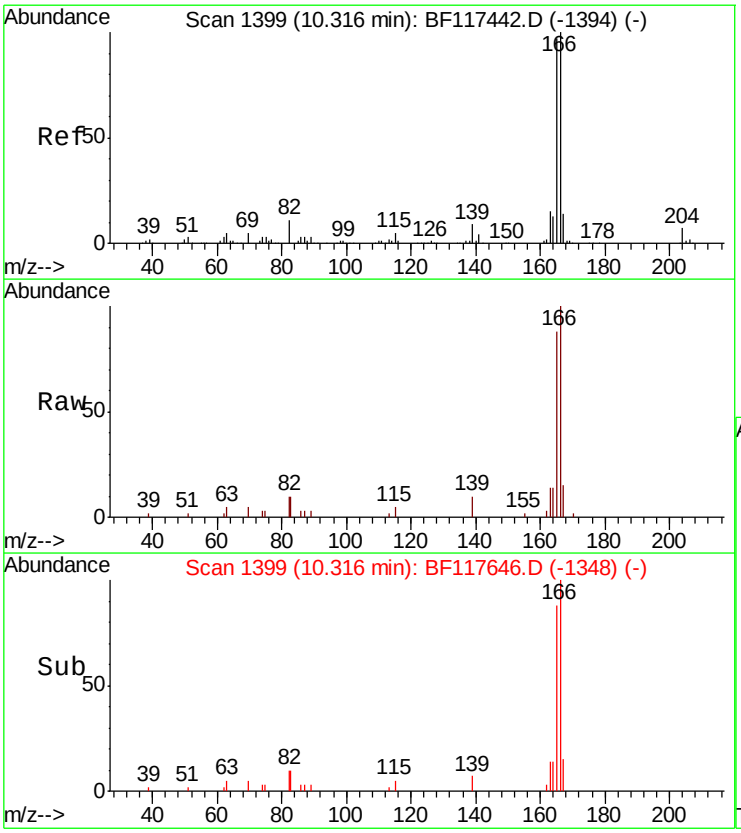
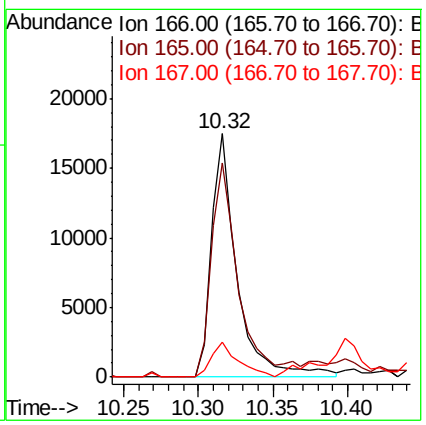
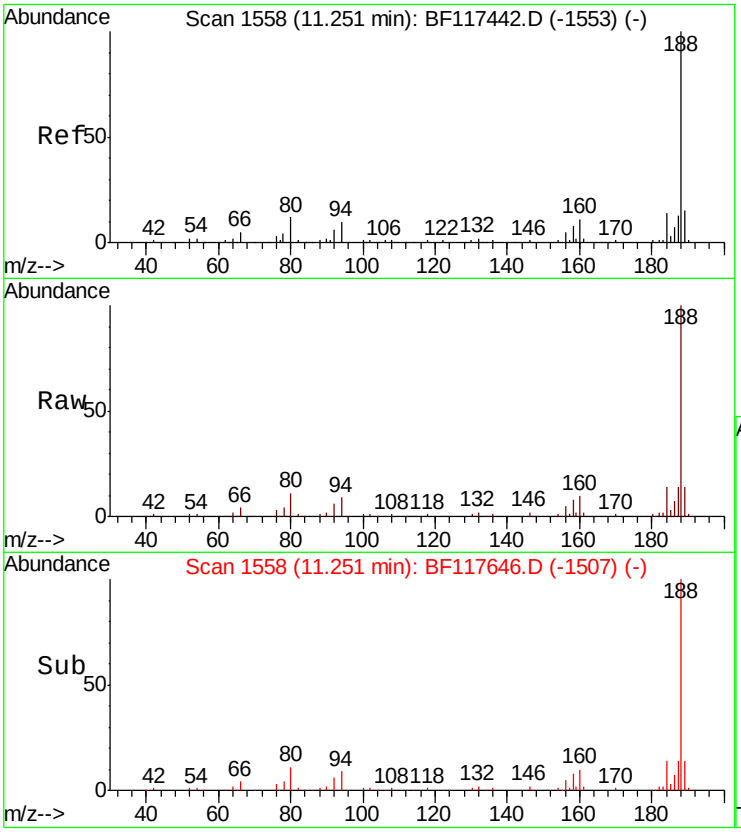


#58
Fluorene
Concen: 4.756 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:166 Resp: 20863

Ion	Ratio	Lower	Upper
166	100		
165	88.0	77.6	116.4
167	14.5	11.0	16.4

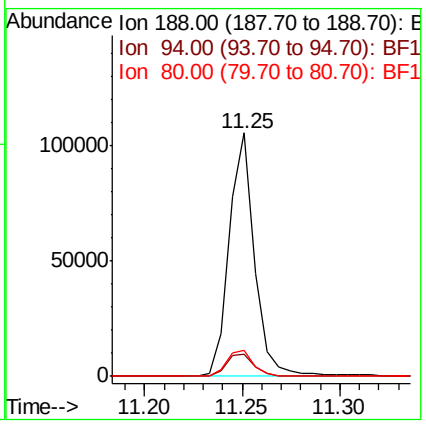




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:188 Resp: 95063

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	10.8	9.5	14.3



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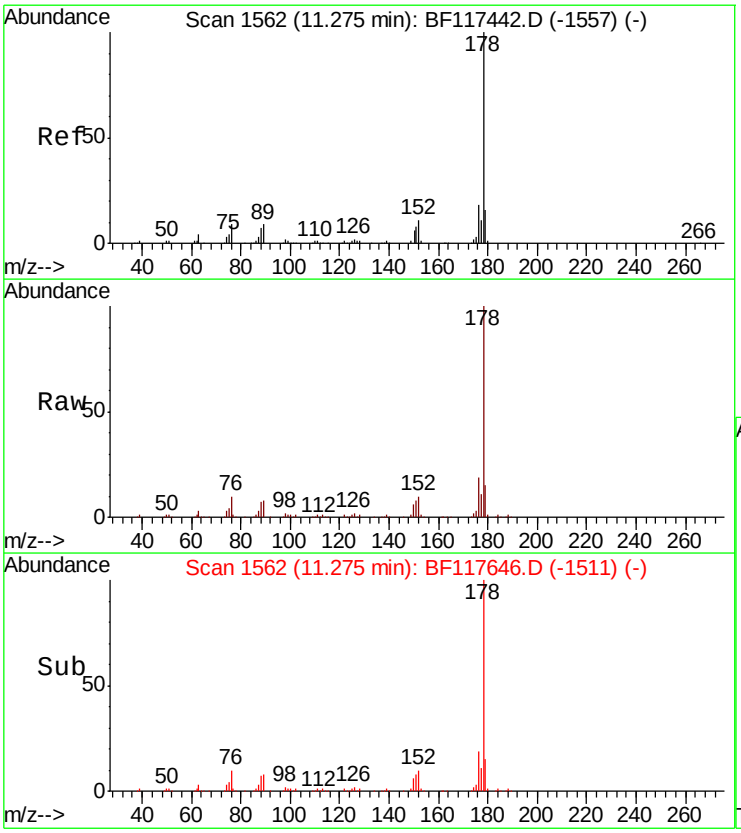
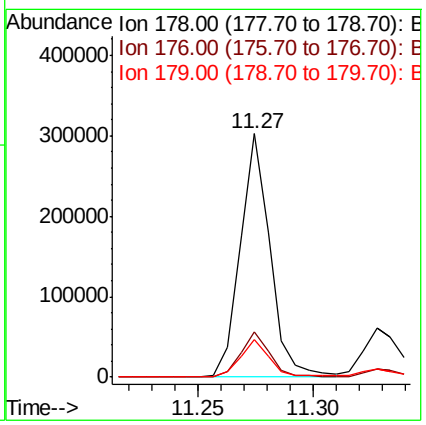
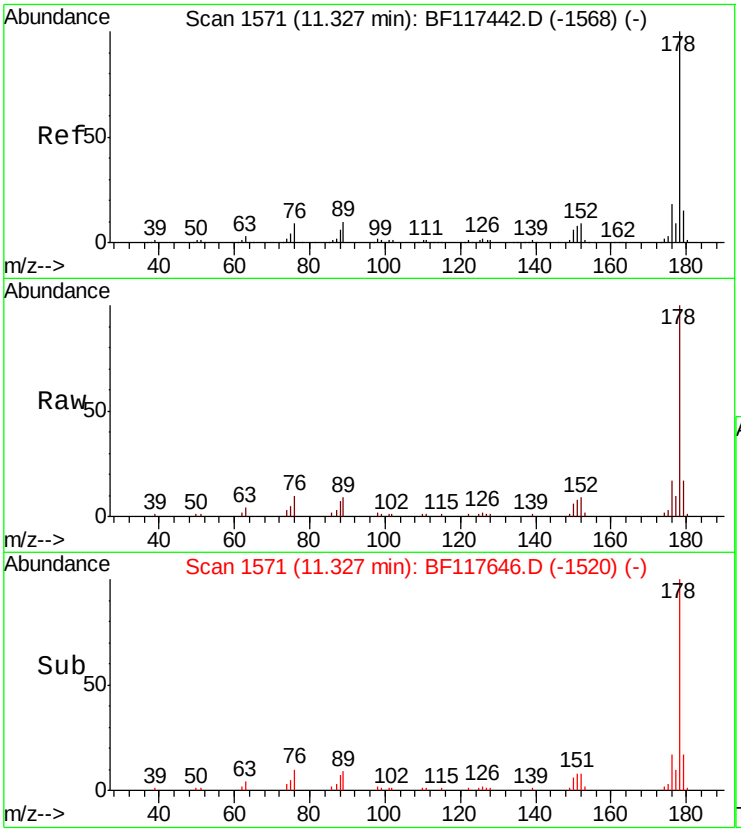


#71
Phenanthrene
Concen: 49.547 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:178 Resp: 273496

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.2	12.6	19.0

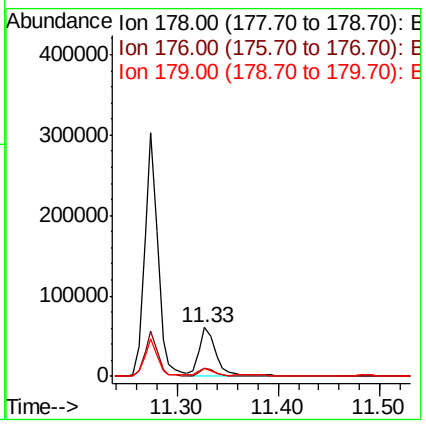




#72
Anthracene
Concen: 12.934 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

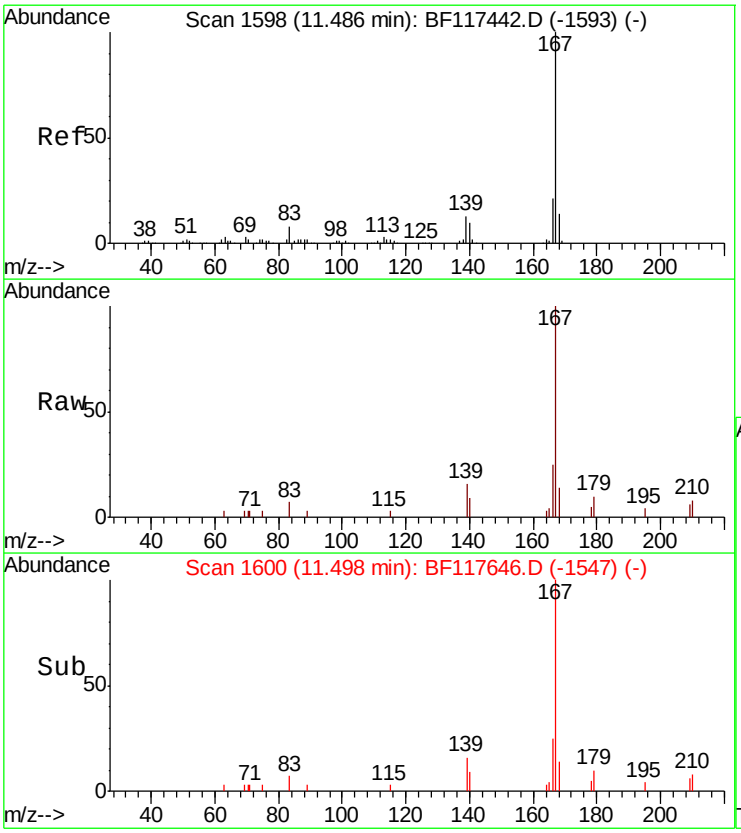
Tgt Ion:178 Resp: 73258

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.7	22.1
179	17.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

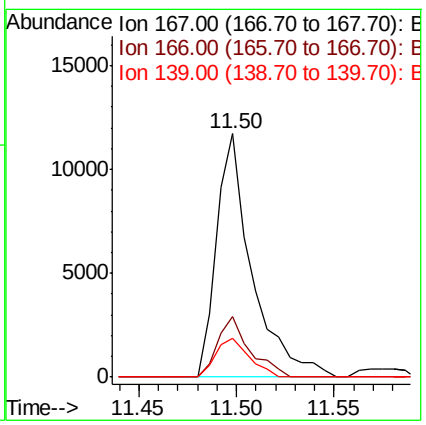
Manual Integrations APPROVED
mohammad
10/31/2019 3:11:16 PM

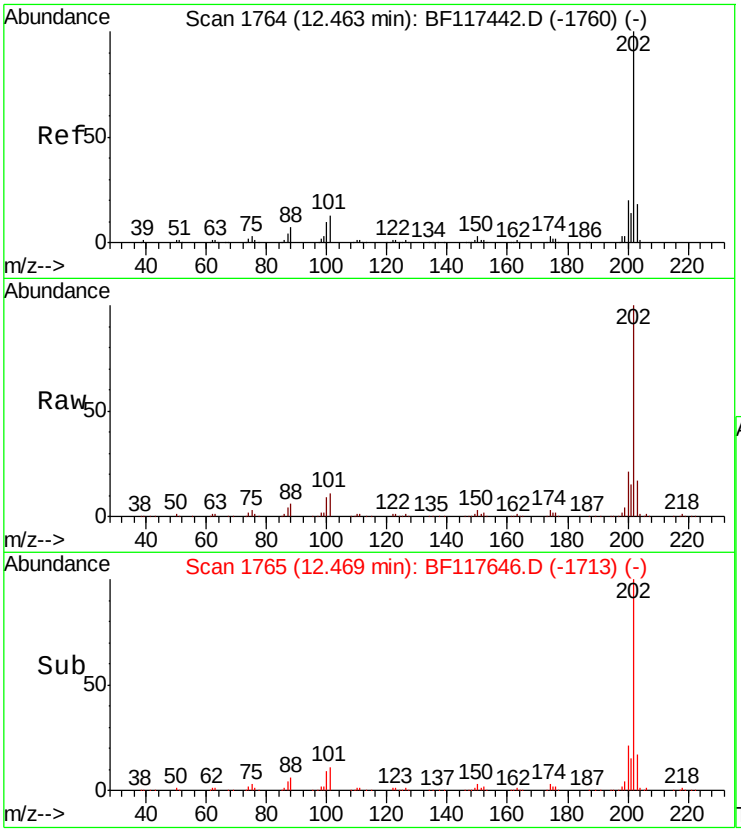


#73
Carbazole
Concen: 2.848 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:167 Resp: 14740

Ion	Ratio	Lower	Upper
167	100		
166	24.7	17.0	25.6
139	15.8	10.6	16.0

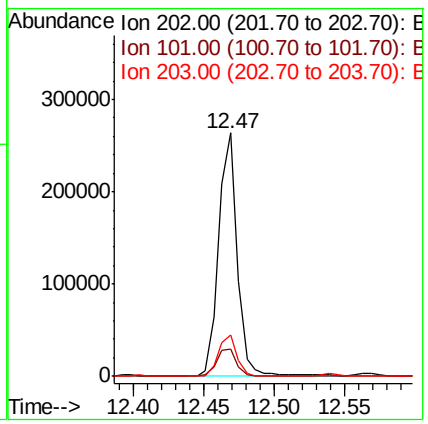




#75
Fluoranthene
Concen: 44.116 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:202 Resp: 243783

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.7
203	17.2	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
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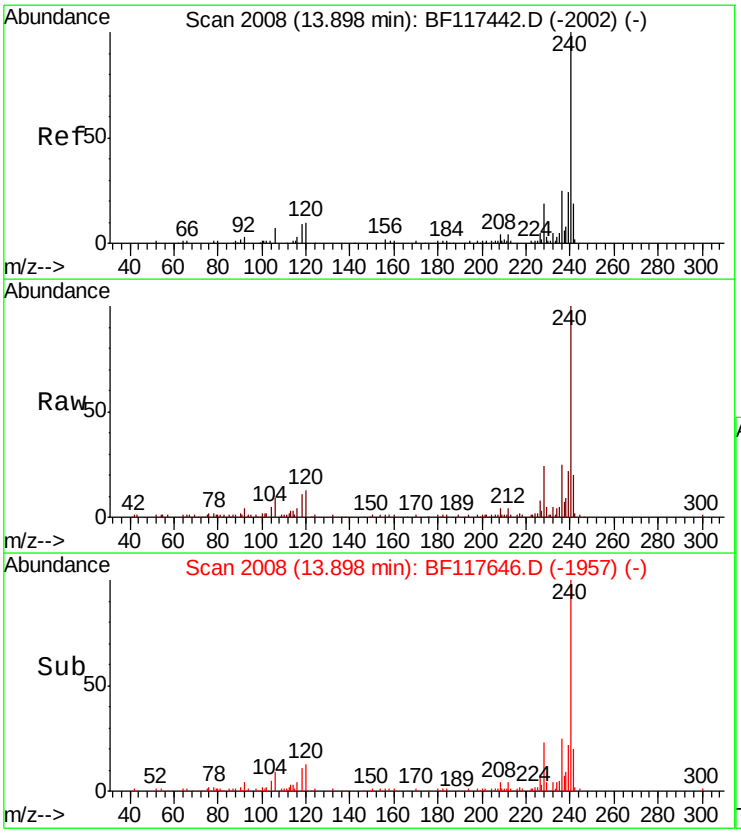
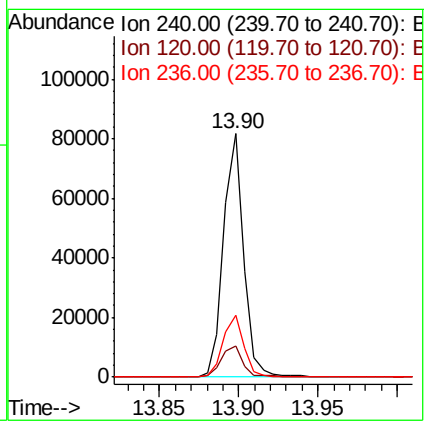
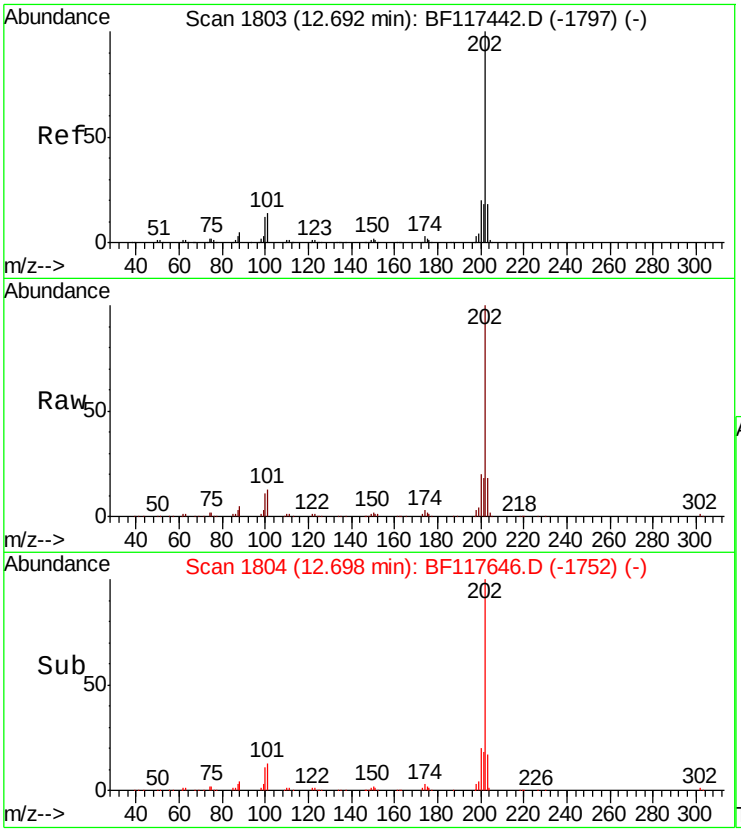


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:240 Resp: 71838

Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.4	12.6#
236	25.5	20.0	30.0

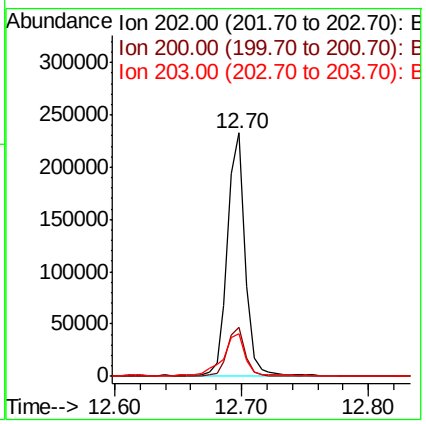




#78
Pyrene
Concen: 36.179 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:202 Resp: 223241

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.7	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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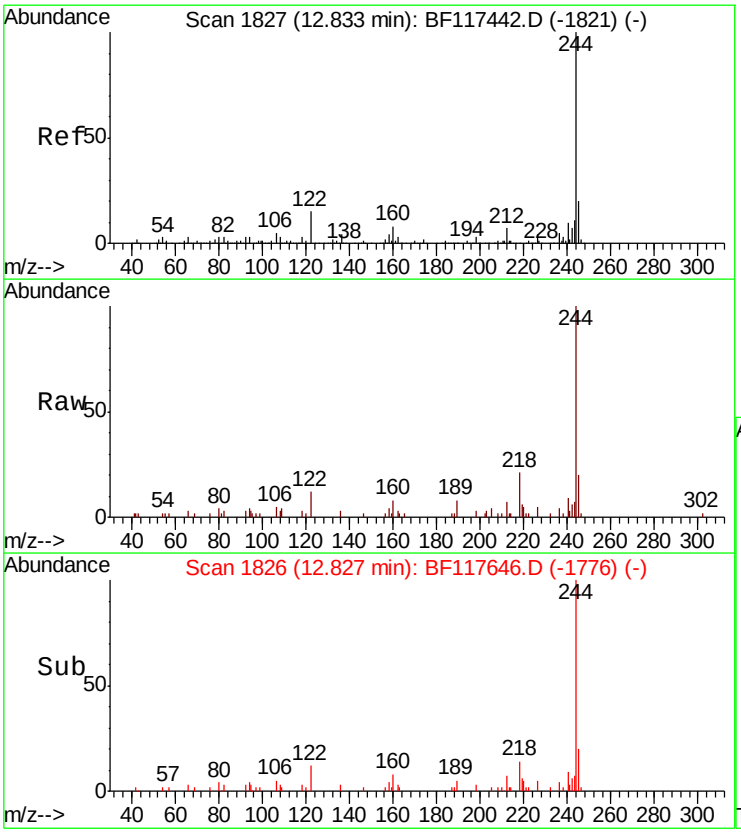
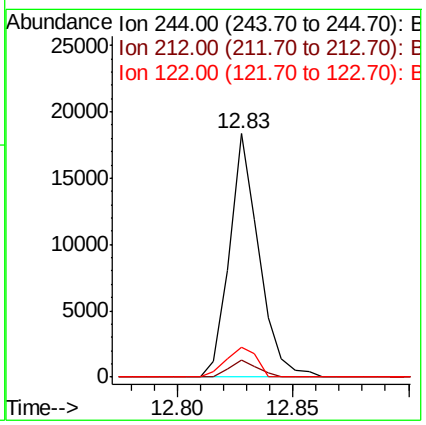
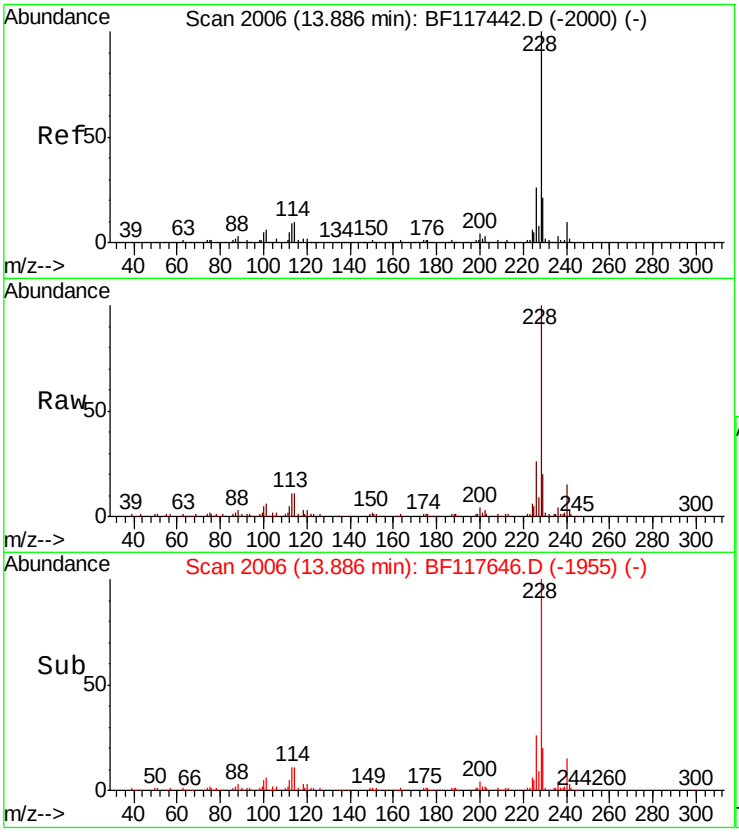


#79
Terphenyl-d14
Concen: 3.703 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:244 Resp: 16308

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.4	11.8	17.8

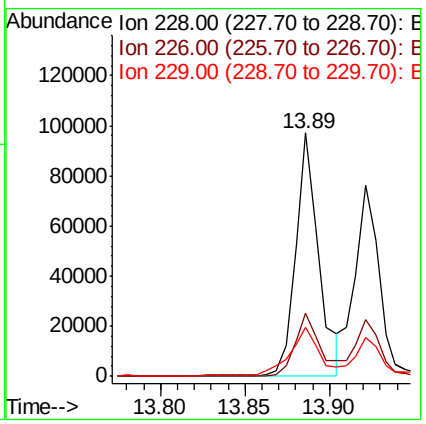




#81
Benzo(a)anthracene
Concen: 19.144 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:228 Resp: 92768

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.0	31.4
229	20.4	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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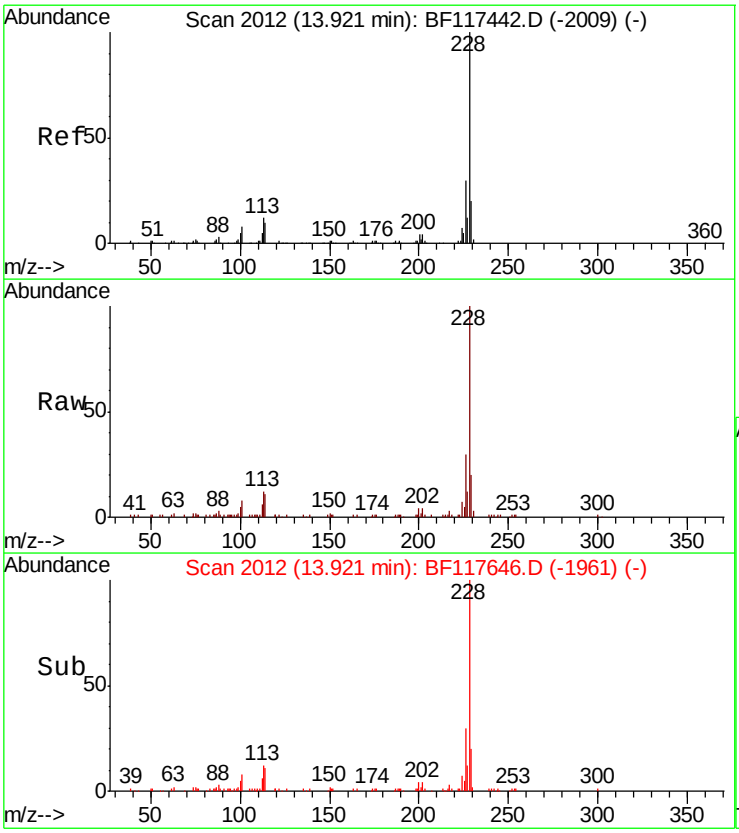
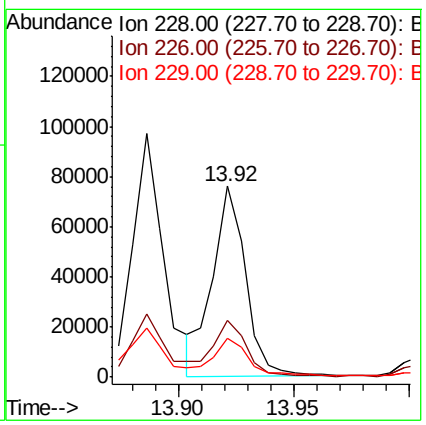
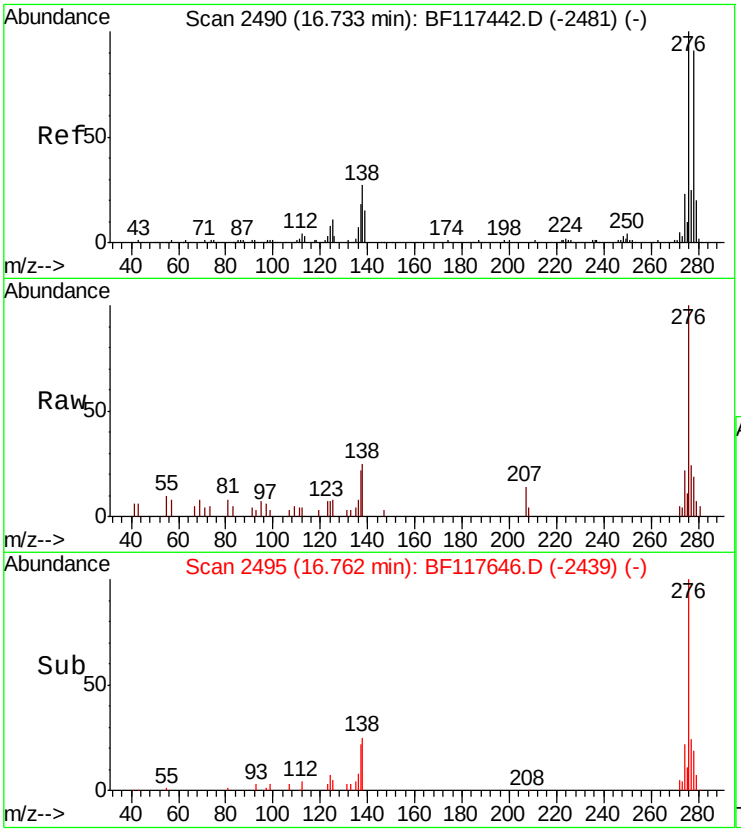


#83
Chrysene
Concen: 15.740 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:228 Resp: 74750

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	20.1	15.8	23.6

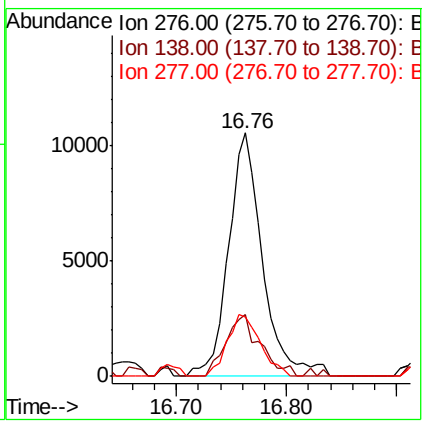




#86
Indeno(1,2,3-cd)pyrene
Concen: 6.402 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:276 Resp: 22701

Ion	Ratio	Lower	Upper
276	100		
138	25.4	21.8	32.8
277	24.7	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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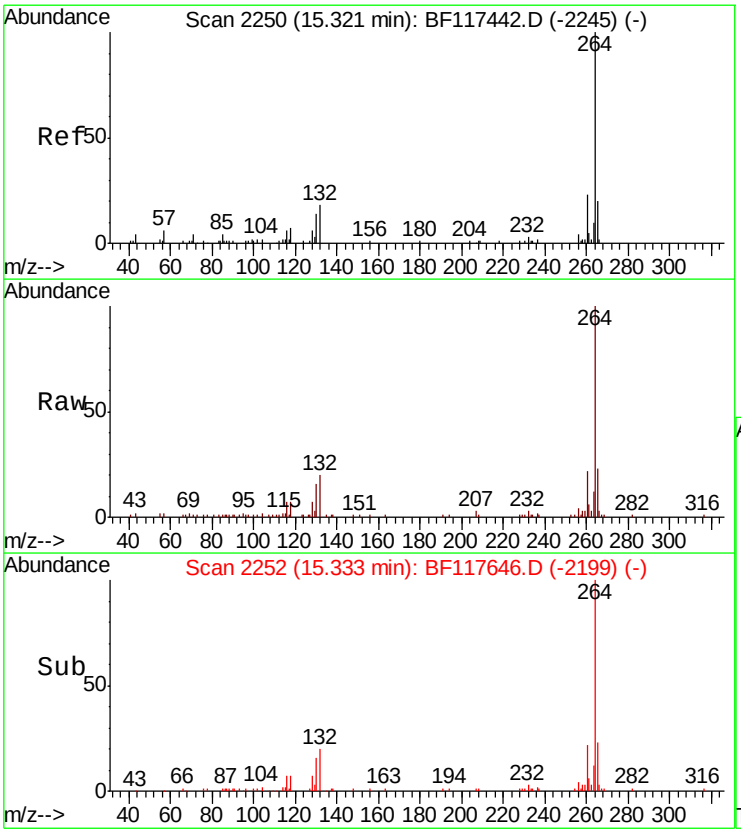
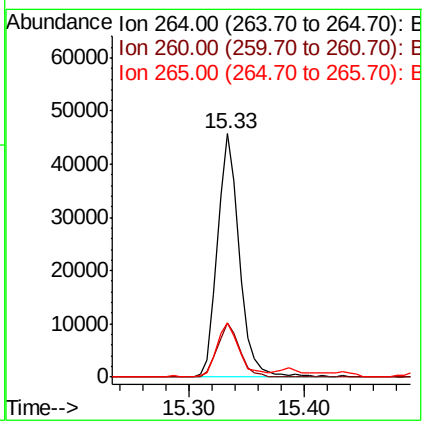
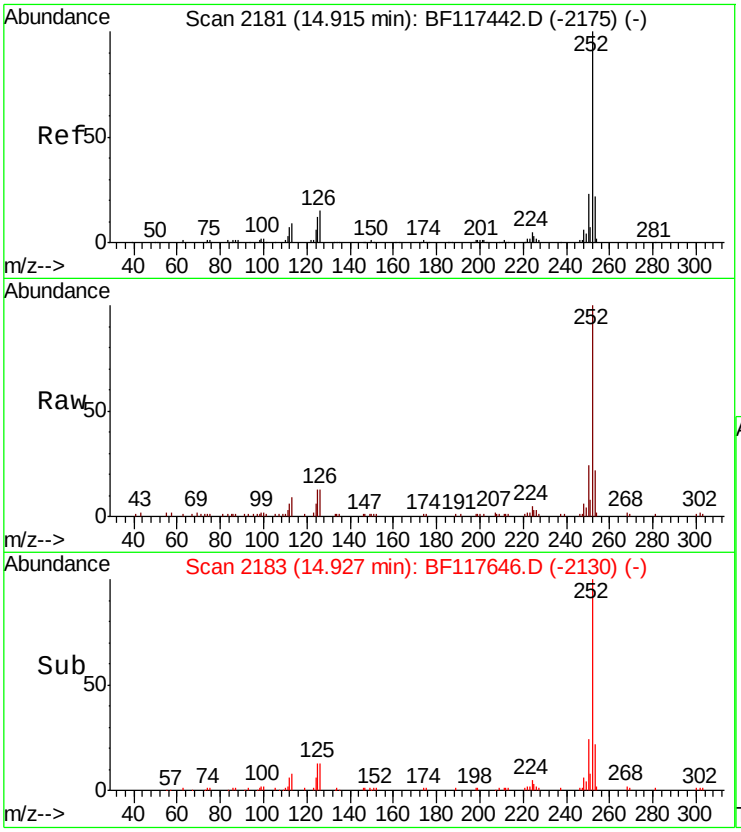


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:264 Resp: 60263

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.4	27.6
265	22.5	16.1	24.1

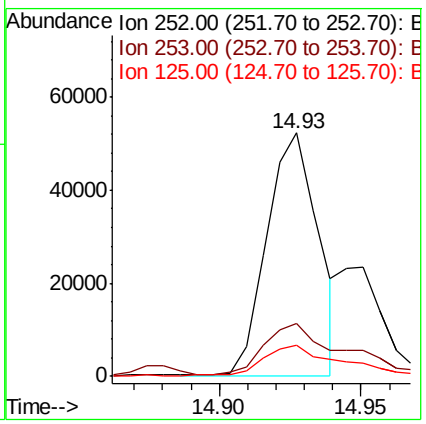




#88
Benzo(b)fluoranthene
Concen: 18.707 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:252 Resp: 66570

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	12.7	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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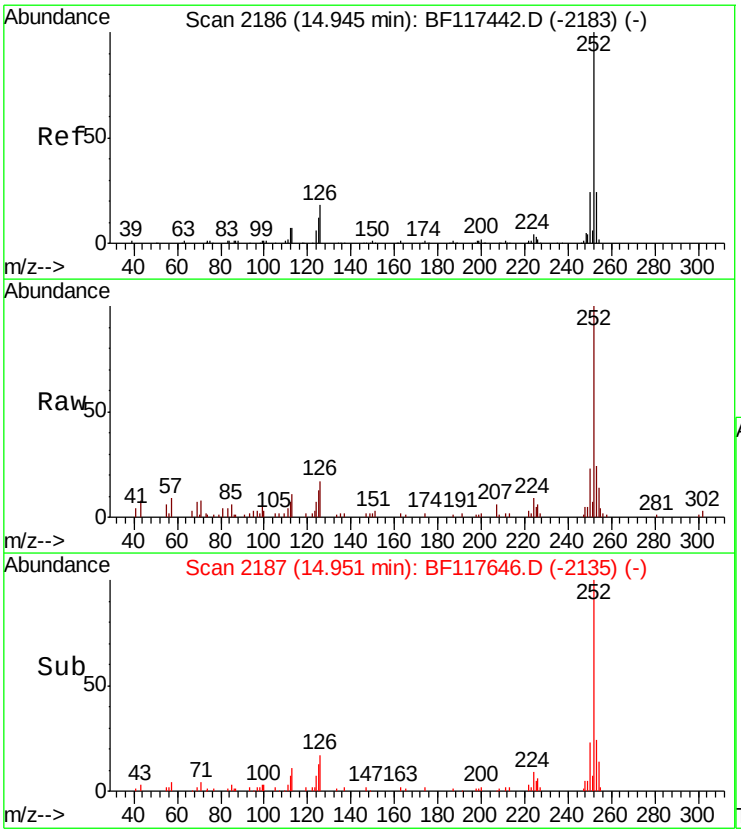
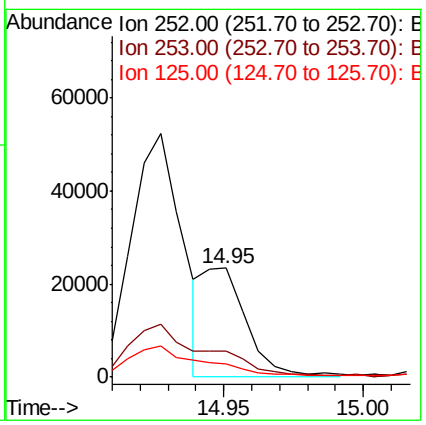
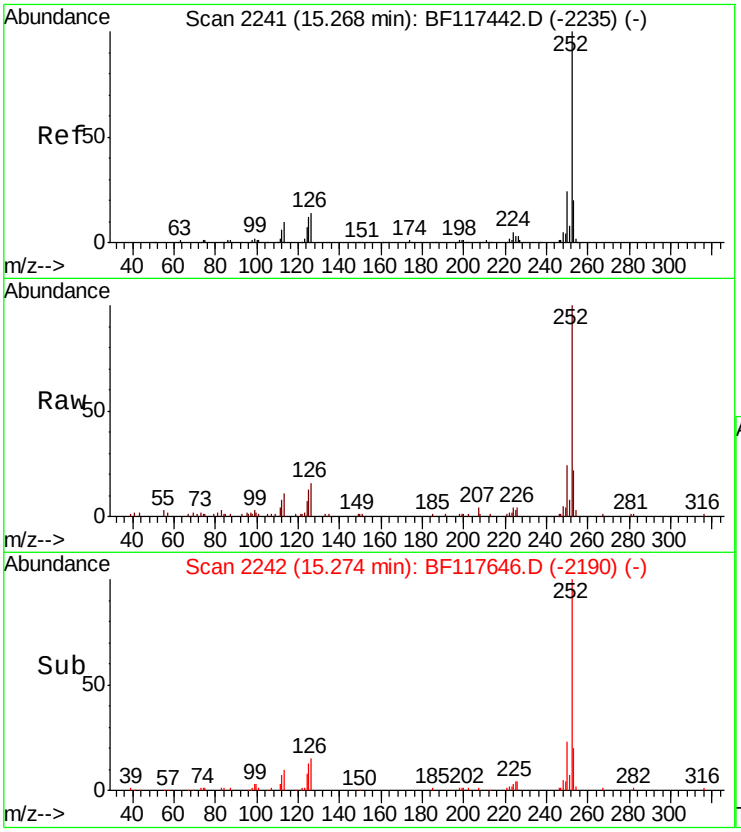


#89
Benzo(k)fluoranthene
Concen: 6.958 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:252 Resp: 25378

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	12.6	8.9	13.3

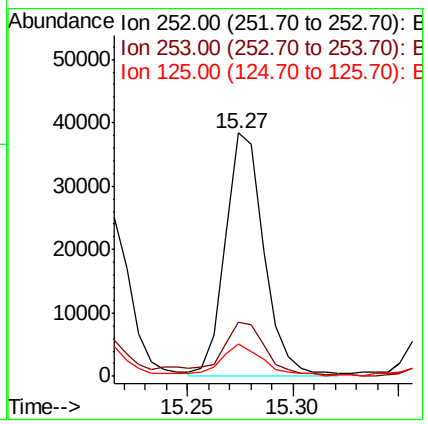




#90
Benzo(a)pyrene
Concen: 15.108 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:252 Resp: 48881

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.3	24.5
125	13.4	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
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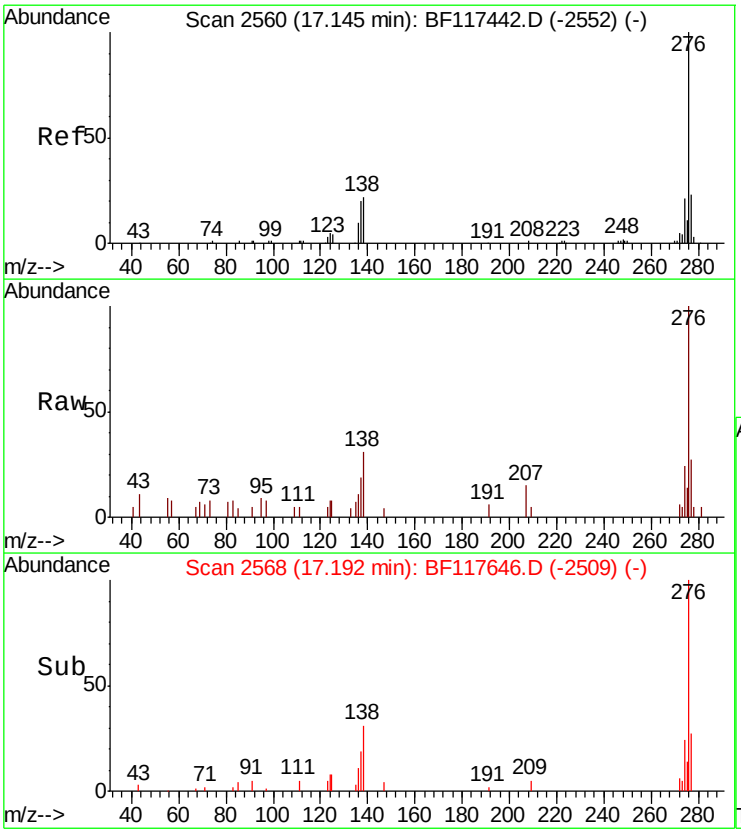

#92
Benzo(g,h,i)perylene
Concen: 7.576 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117646.D
Acq: 31 Oct 2019 5:21

Tgt Ion:276 Resp: 20053

Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.4	27.6
138	30.8	17.8	26.6#