Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
Data File : BF117672.D
Acq On : 31 Oct 2019 21:34
Operator : JU
Sample : K5540-03DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 155-40-(0-1.1)DL

Manual Integrations APPROVED
mohammad
11/1/2019 12:34:58 PM

Quant Time: Nov 01 02:23:13 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	33517	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	145357	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	71246	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	105203	20.00	ng		0.00
76) Chrysene-d12	13.90	240	70830	20.00	ng		0.00
87) Perylene-d12	15.34	264	65404	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	26454	11.74	ng		0.04
7) Phenol-d6	6.41	99	48695	16.09	ng		0.03
23) Nitrobenzene-d5	7.32	82	30625	10.40	ng		0.01
42) 2,4,6-Tribromophenol	10.57	330	7757	12.58	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	47446	9.38	ng		0.00
79) Terphenyl-d14	12.83	244	32272	7.43	ng		0.00
Target Compounds							Qvalue
58) Fluorene	10.32	166	10137	2.111	ng		94
71) Phenanthrene	11.27	178	163858	26.823	ng		98
72) Anthracene	11.33	178	41461	6.615	ng		97
75) Fluoranthene	12.47	202	178974	29.266	ng		97
78) Pyrene	12.70	202	151223	24.856	ng		99
81) Benzo(a)anthracene	13.89	228	65757	13.763	ng		97
83) Chrysene	13.93	228	55250	11.799	ng		99
86) Indeno(1,2,3-cd)pyrene	16.77	276	20125	5.757	ng		94
88) Benzo(b)fluoranthene	14.93	252	52727m	13.652	ng		
89) Benzo(k)fluoranthene	14.95	252	18566m	4.690	ng		
90) Benzo(a)pyrene	15.28	252	38118	10.855	ng	#	91
92) Benzo(g,h,i)perylene	17.21	276	16538	5.757	ng		97

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

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Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

Manual Integrations APPROVED
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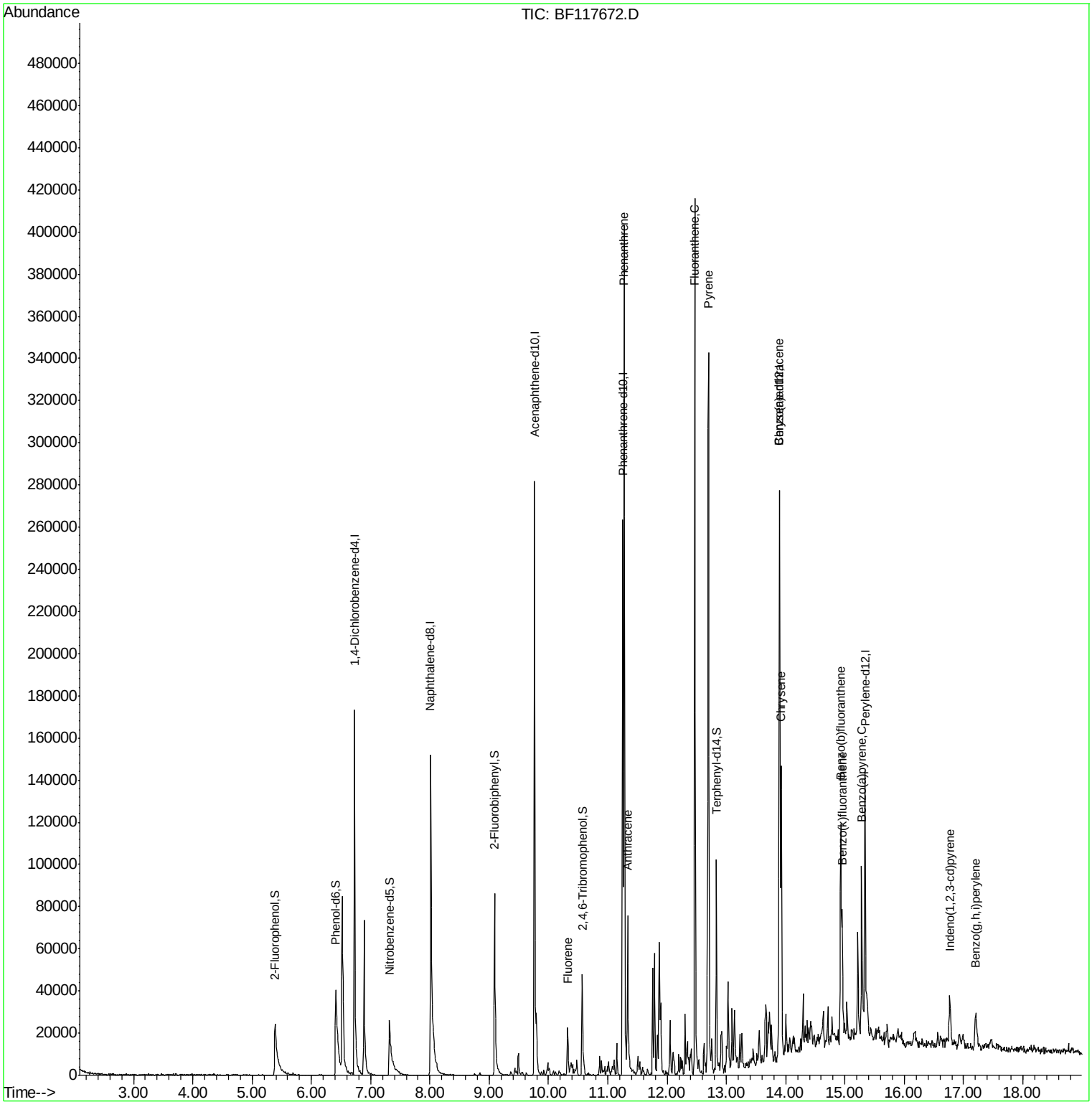
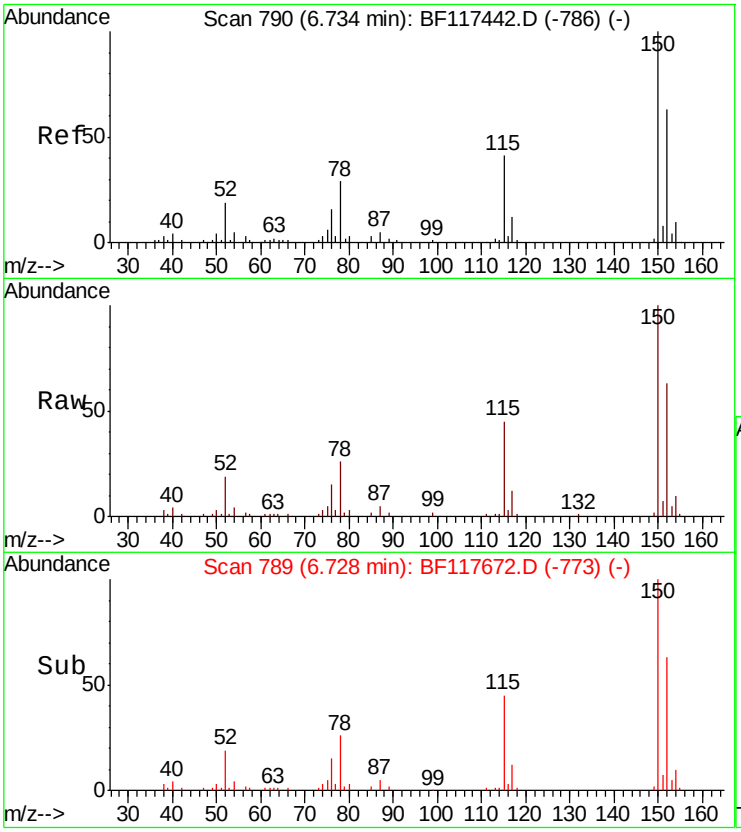
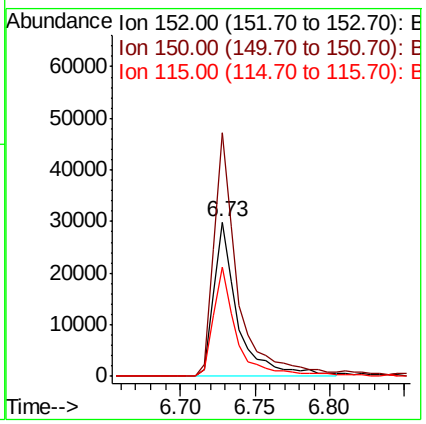




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:152 Resp: 33517

Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.8	190.2
115	70.3	51.6	77.4



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

Manual Integrations APPROVED
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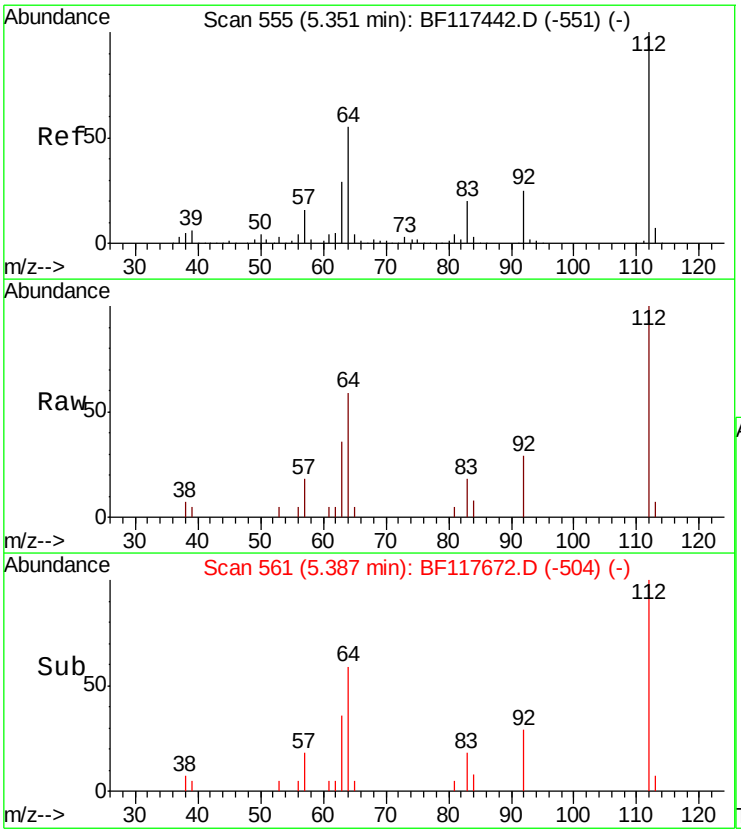
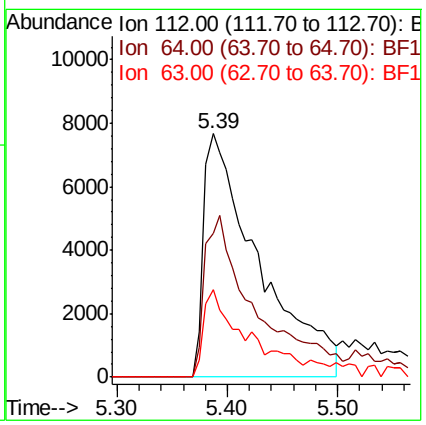
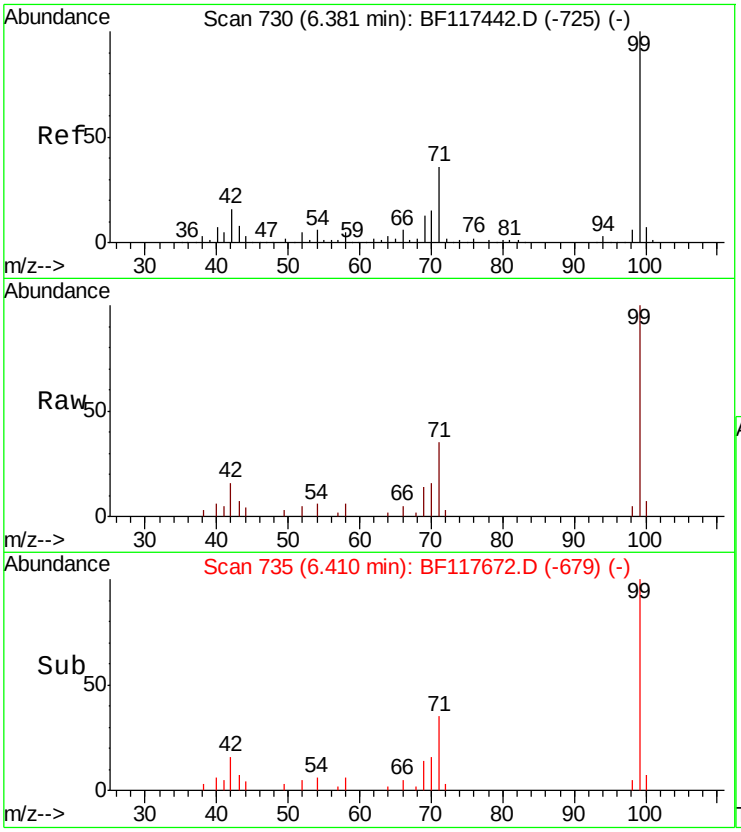


#5
2-Fluorophenol
Concen: 11.742 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.04 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:112 Resp: 26454

Ion	Ratio	Lower	Upper
112	100		
64	59.2	44.1	66.1
63	36.0	23.4	35.2#

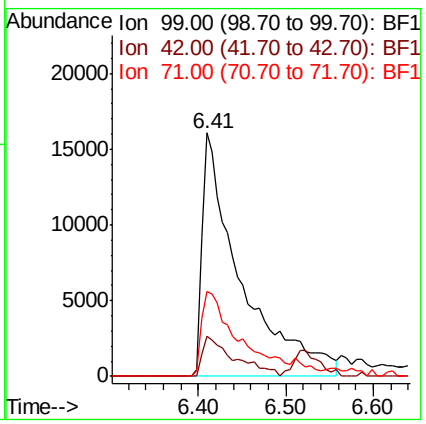




#7
Phenol-d6
Concen: 16.092 ng
RT: 6.41 min Scan# 735
Delta R.T. 0.03 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 99 Resp: 48695

Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.8	19.2
71	34.8	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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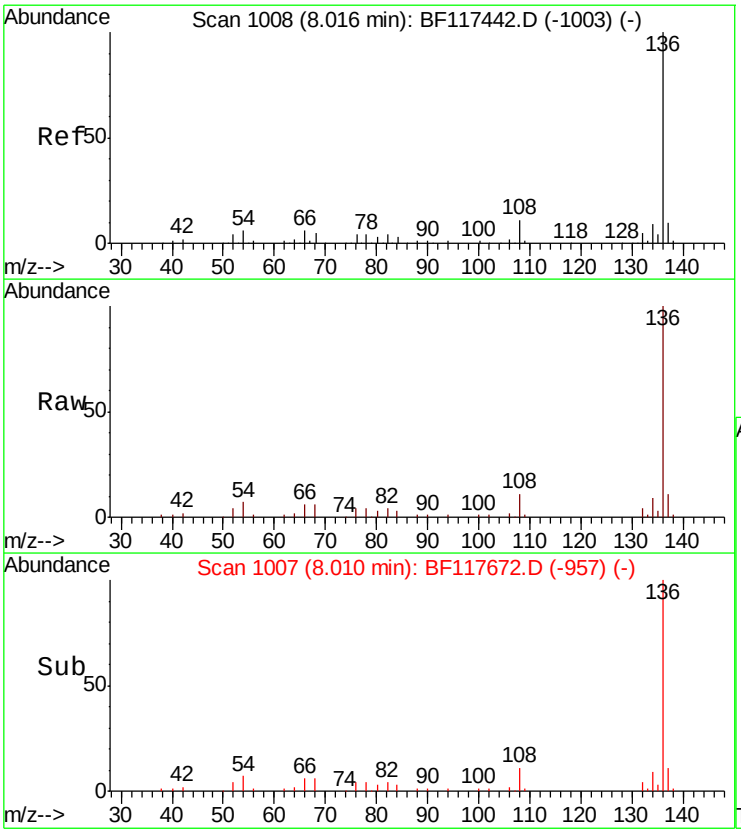
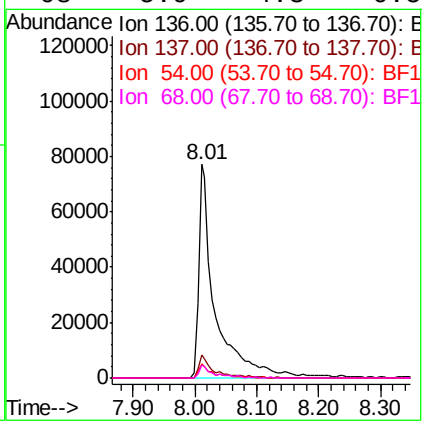
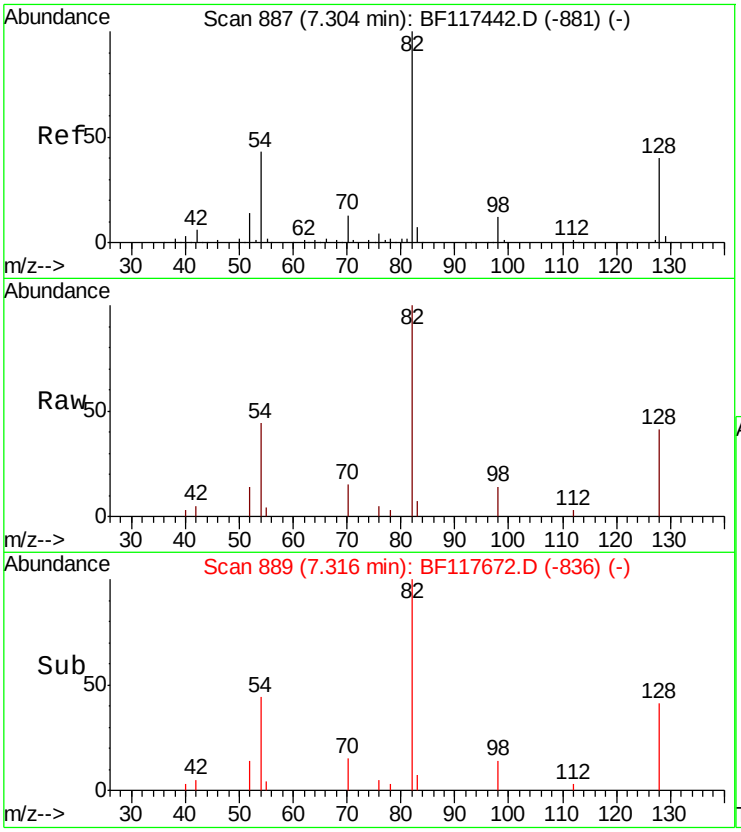


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:136 Resp: 145357

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	6.5	4.5	6.7
68	5.9	4.3	6.5

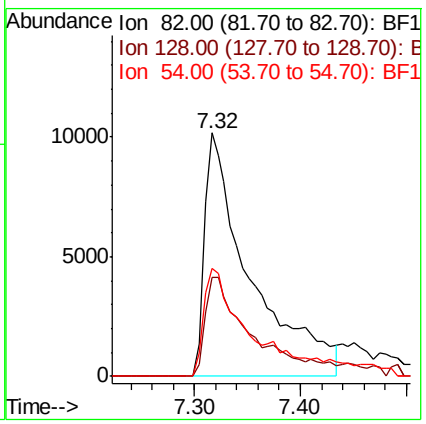




#23
Nitrobenzene-d5
Concen: 10.401 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion: 82 Resp: 30625

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.2	48.2
54	44.2	34.2	51.2



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

Manual Integrations APPROVED
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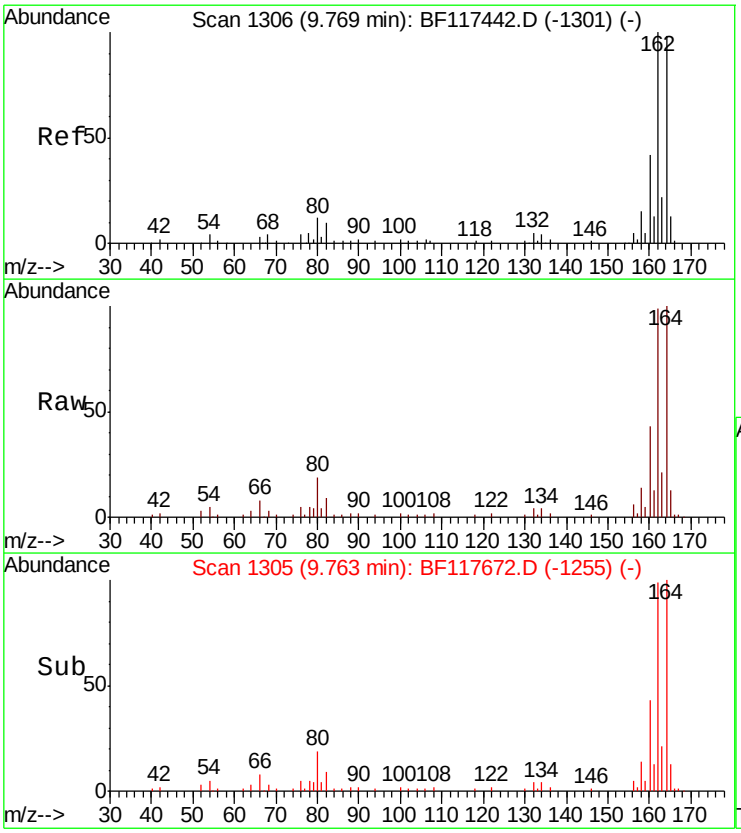
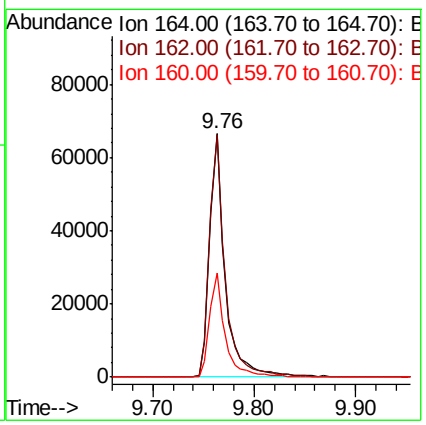
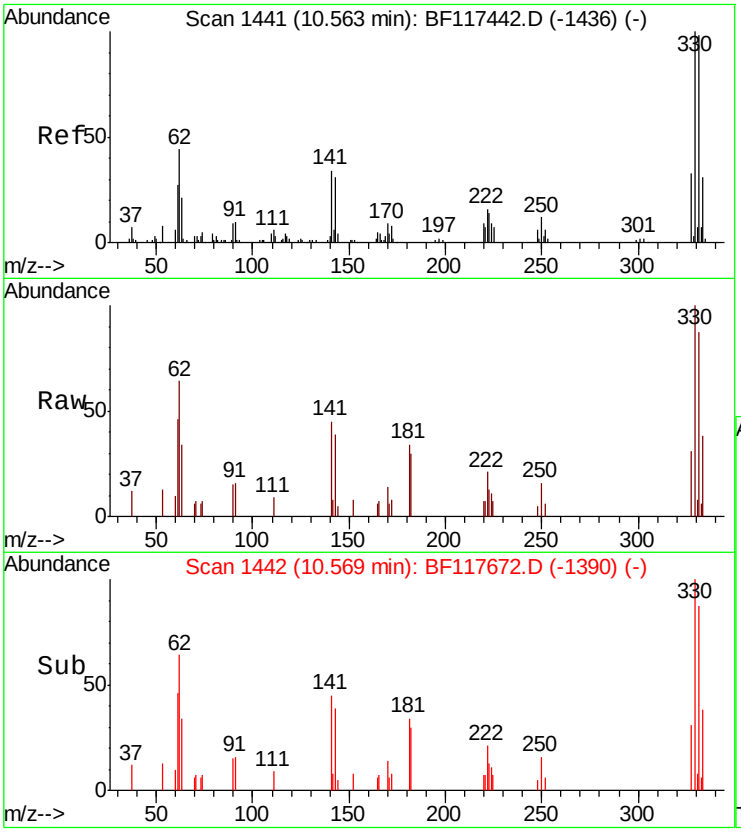


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:164 Resp: 71246

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.8	122.6
160	42.9	34.4	51.6

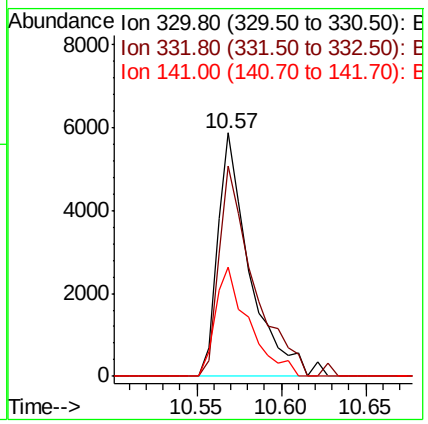




#42
2,4,6-Tribromophenol
Concen: 12.583 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:330 Resp: 7757

Ion	Ratio	Lower	Upper
330	100		
332	92.6	78.5	117.7
141	47.0	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

Manual Integrations APPROVED
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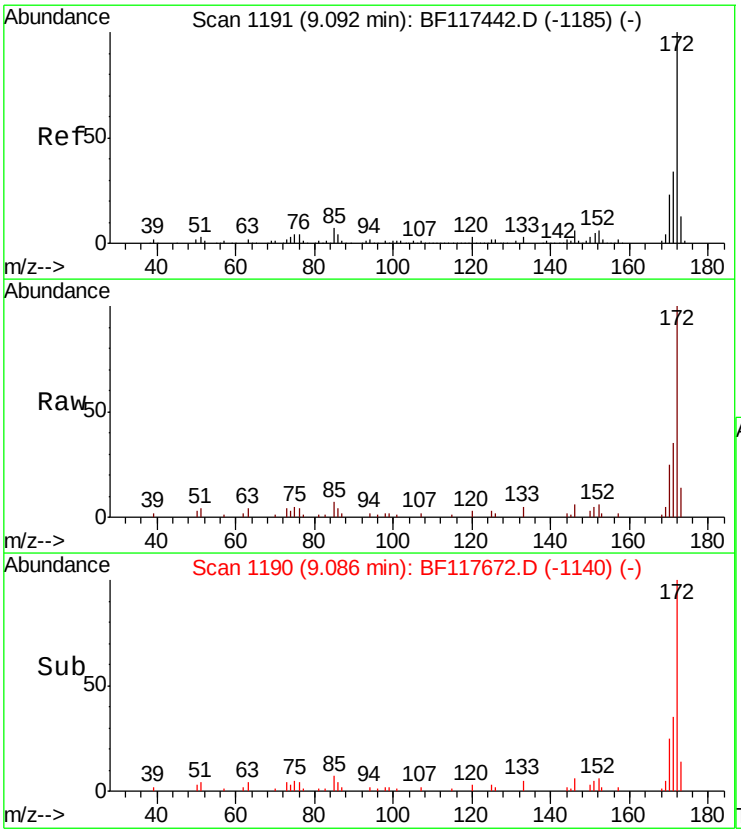
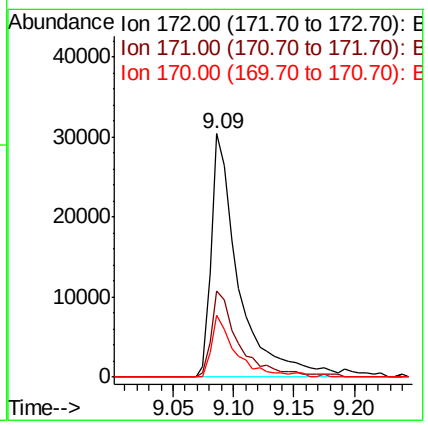
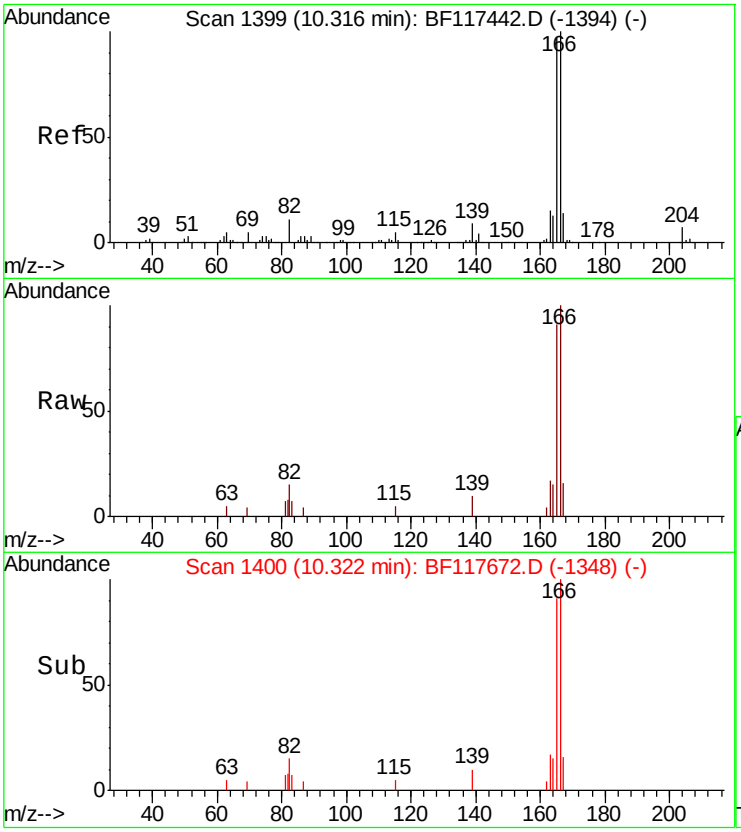


#45
2-Fluorobiphenyl
Concen: 9.383 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:172 Resp: 47446

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.5	41.3
170	25.4	18.6	27.8

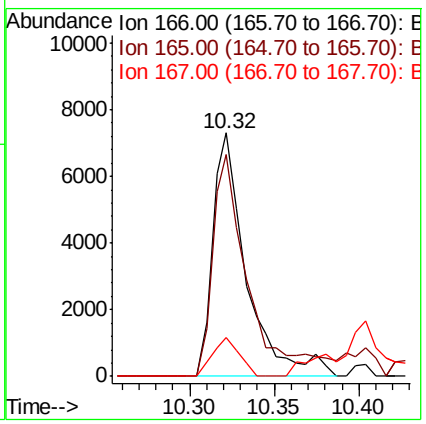




#58
Fluorene
Concen: 2.111 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:166 Resp: 10137

Ion	Ratio	Lower	Upper
166	100		
165	91.4	77.6	116.4
167	15.9	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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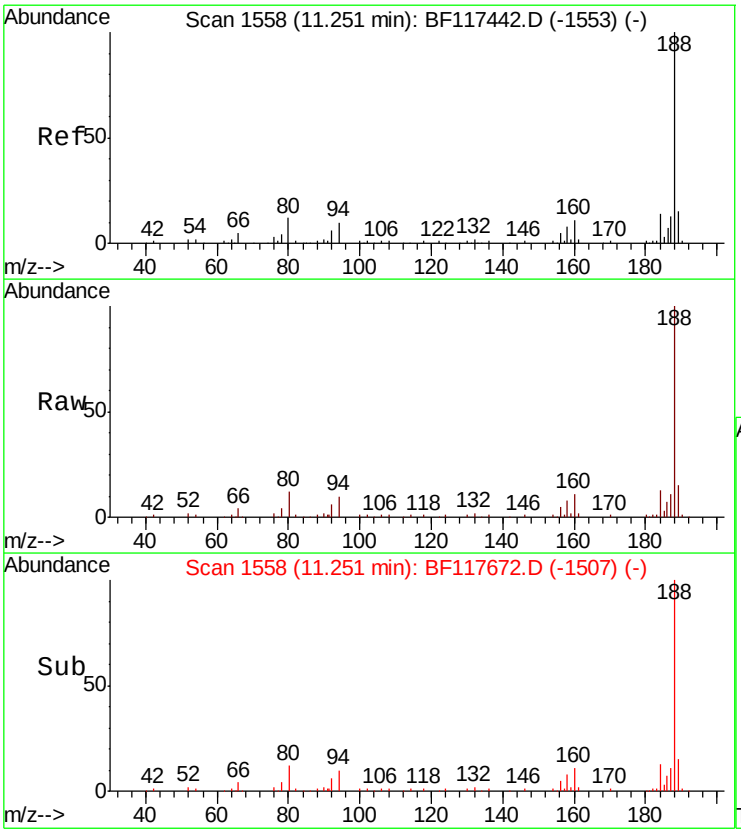
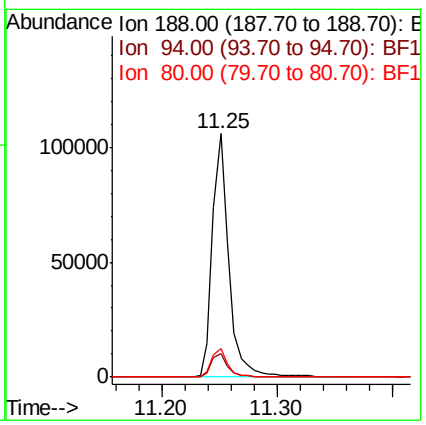
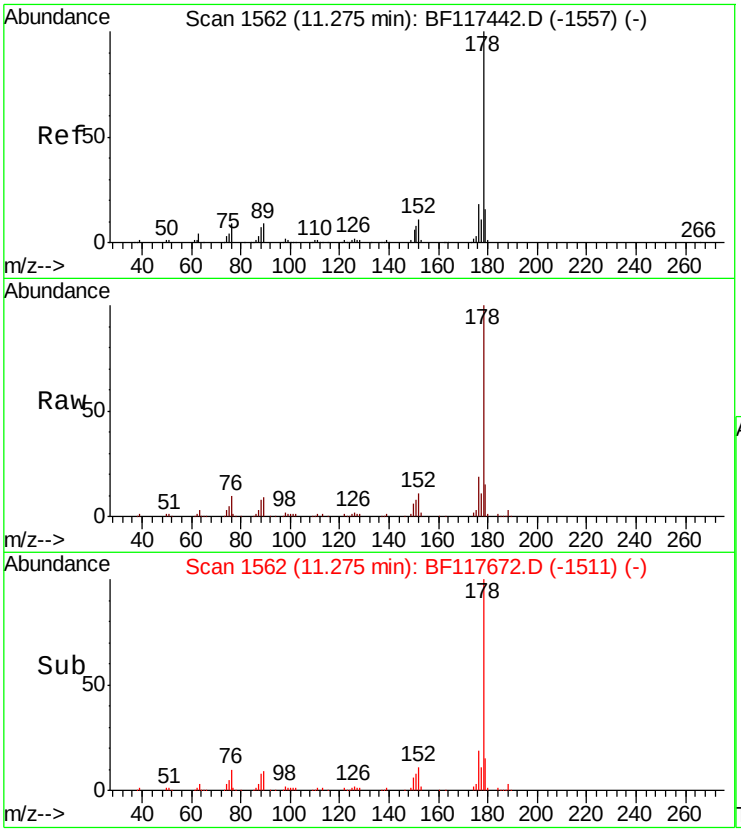


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:188 Resp: 105203

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	11.9	9.5	14.3

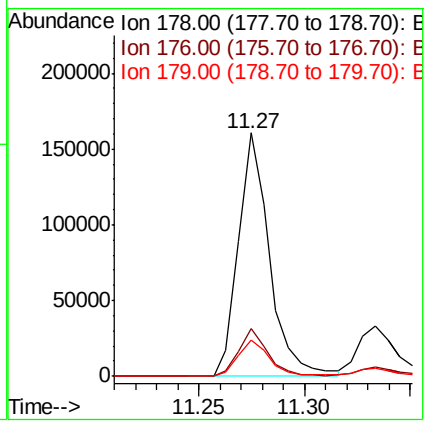




#71
Phenanthrene
Concen: 26.823 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:178 Resp: 163858

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	22.0
179	15.0	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

Manual Integrations APPROVED
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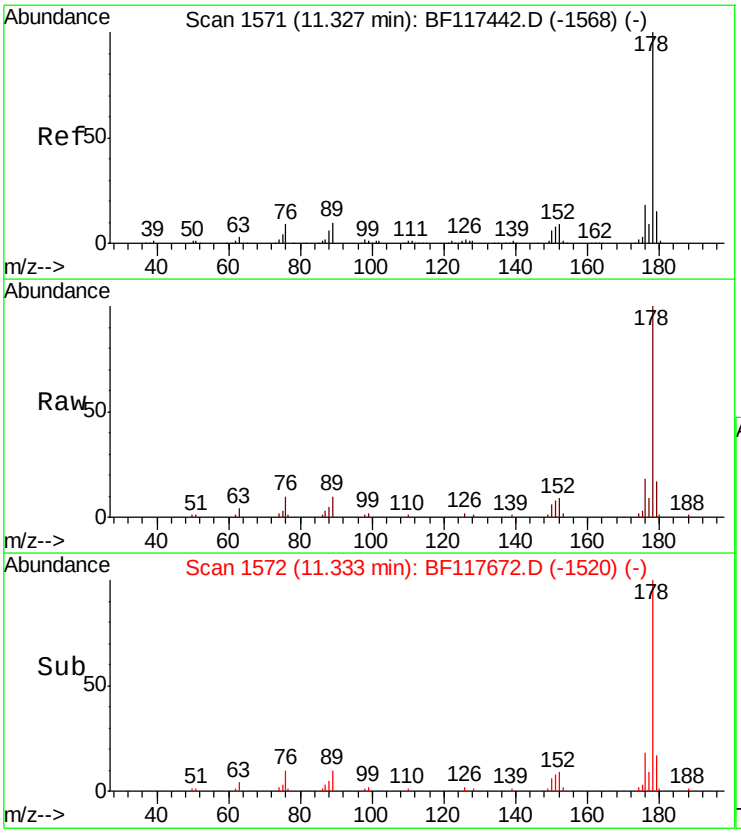
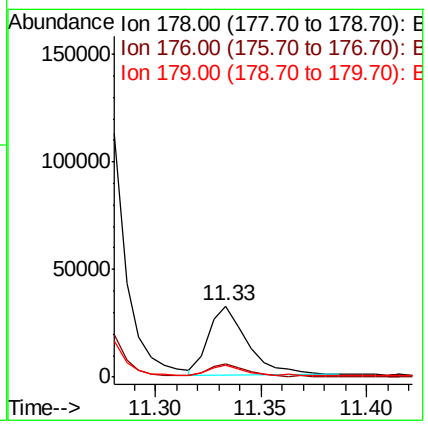
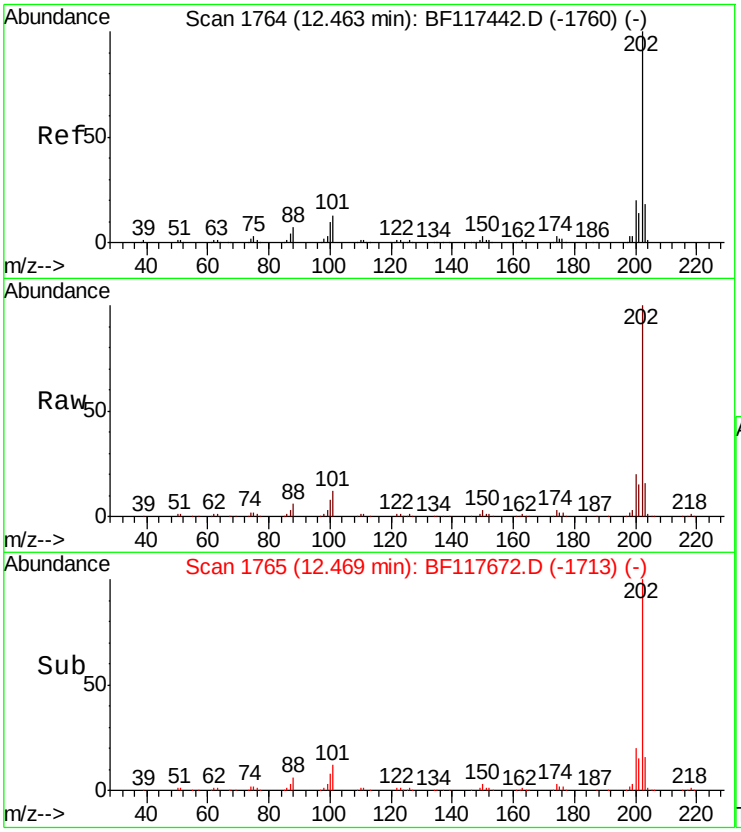


#72
Anthracene
Concen: 6.615 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:178 Resp: 41461

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	17.1	12.2	18.2

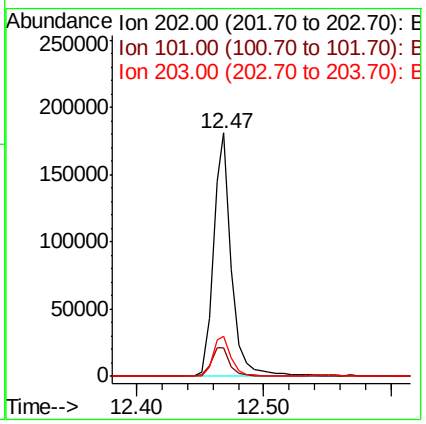




#75
Fluoranthene
Concen: 29.266 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:202 Resp: 178974

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.7
203	16.2	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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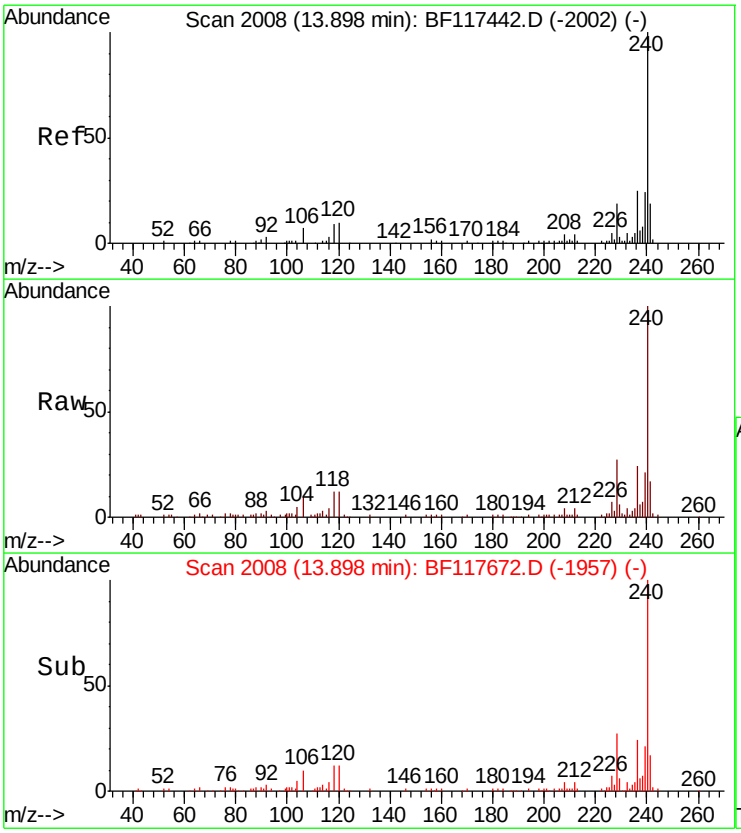
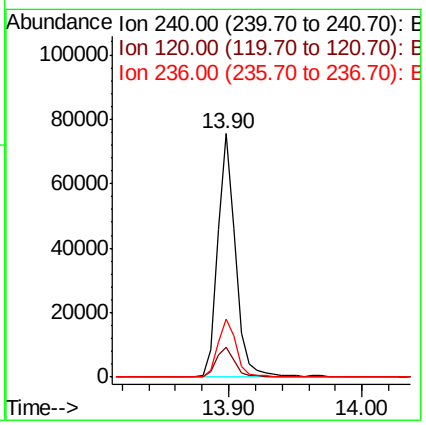
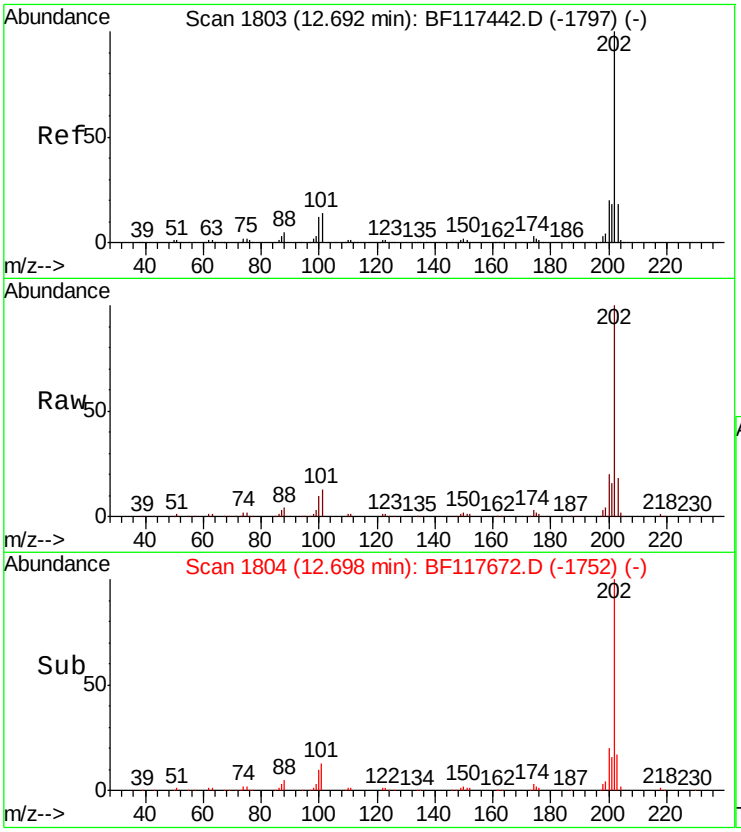


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:240 Resp: 70830

Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.4	12.6
236	23.9	20.0	30.0

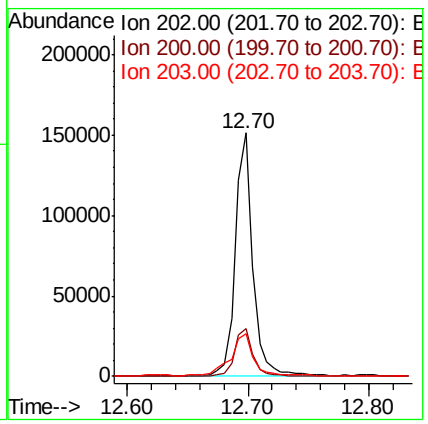




#78
Pyrene
Concen: 24.856 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:202 Resp: 151223

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	17.5	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

Manual Integrations APPROVED
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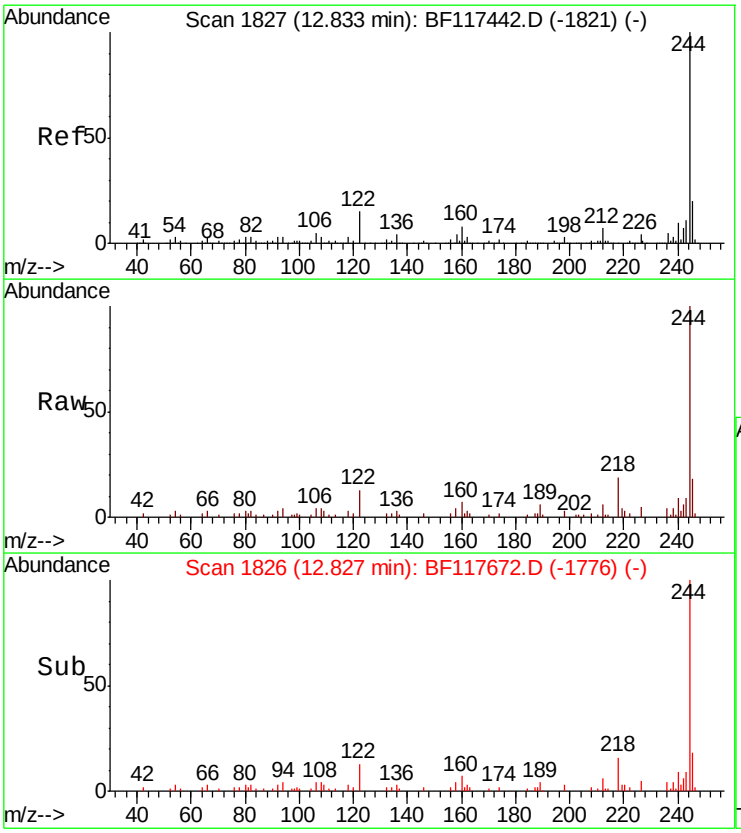
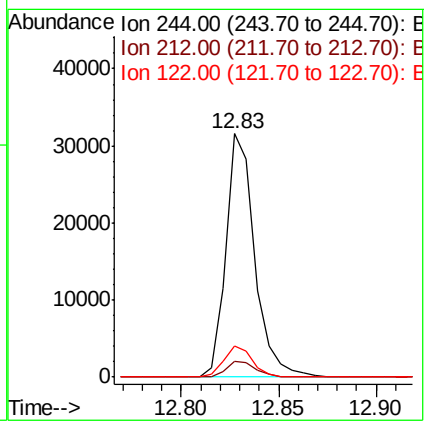
11/1/2019 12:34:58 PM

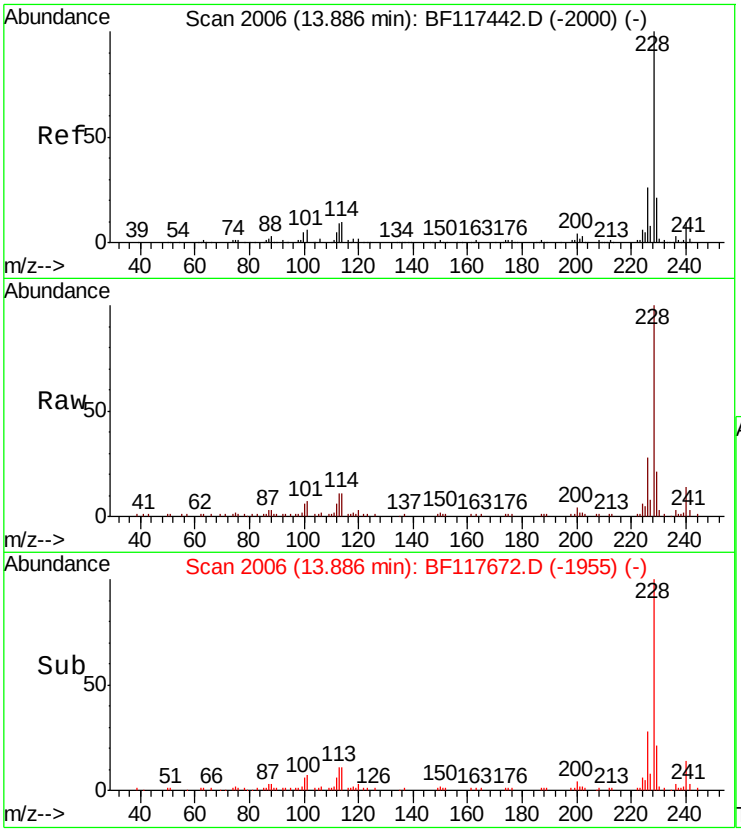


#79
Terphenyl-d14
Concen: 7.432 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:244 Resp: 32272

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	13.0	11.8	17.8

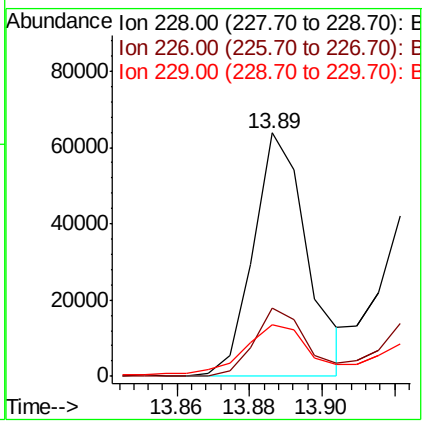




#81
Benzo(a)anthracene
Concen: 13.763 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:228 Resp: 65757

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.0	31.4
229	21.3	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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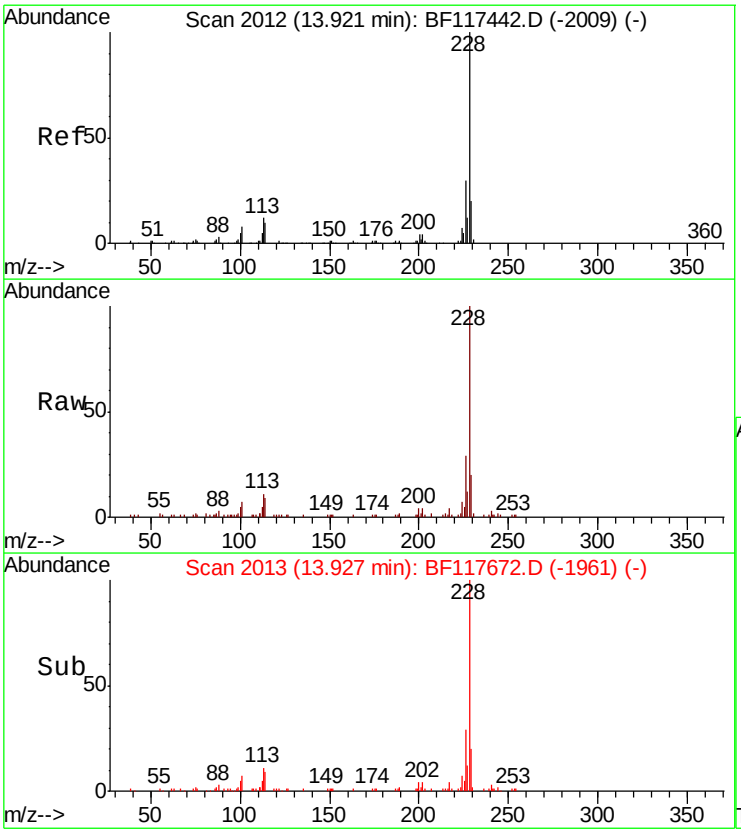
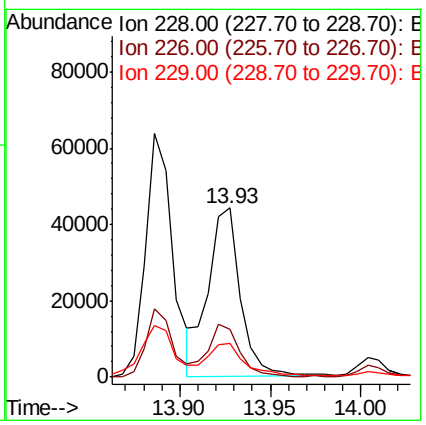
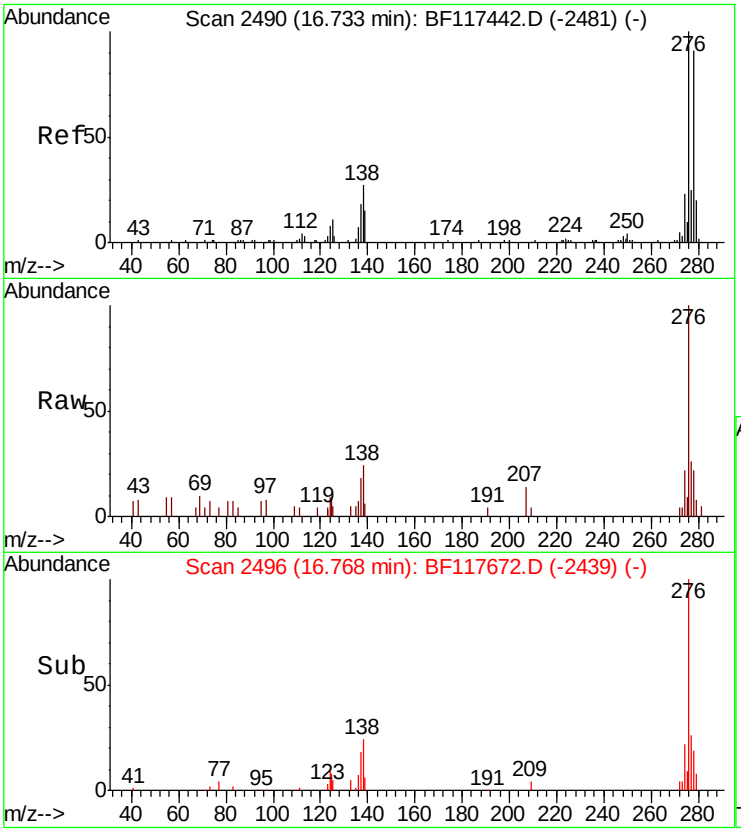


#83
Chrysene
Concen: 11.799 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:228 Resp: 55250

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.9	35.9
229	19.8	15.8	23.6

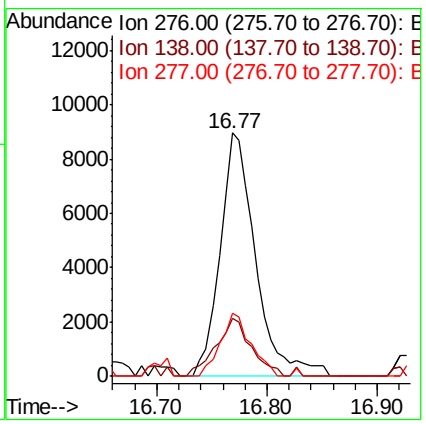




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.757 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.04 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:276 Resp: 20125

Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.8	32.8
277	22.2	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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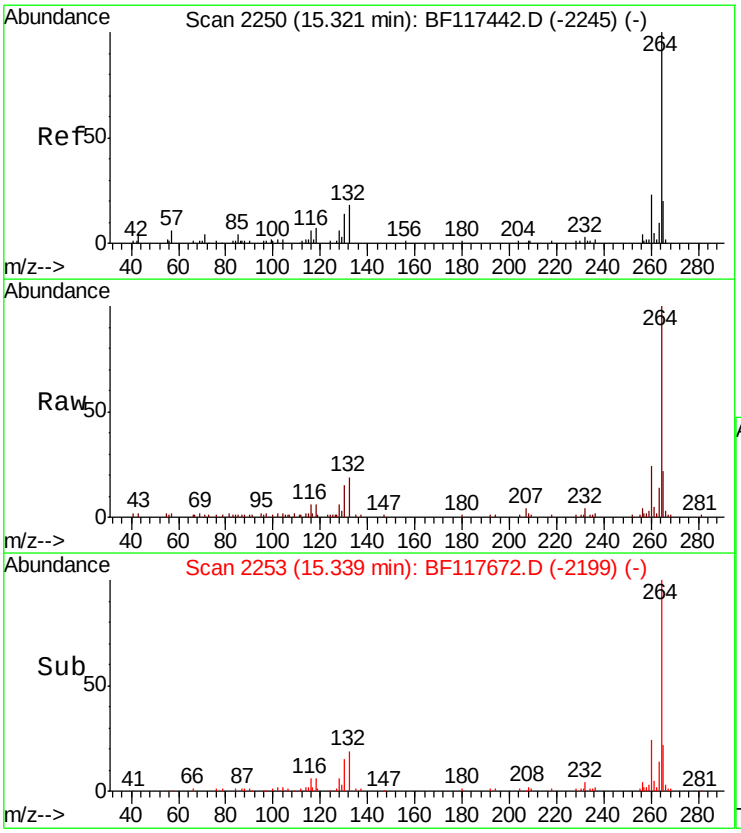
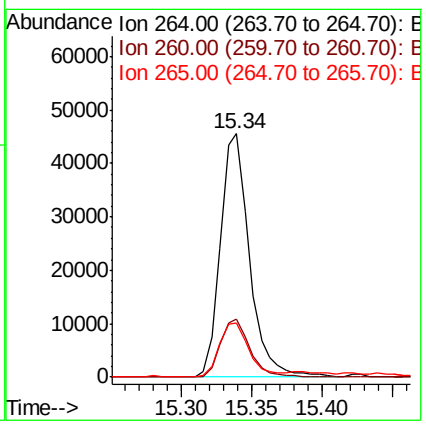
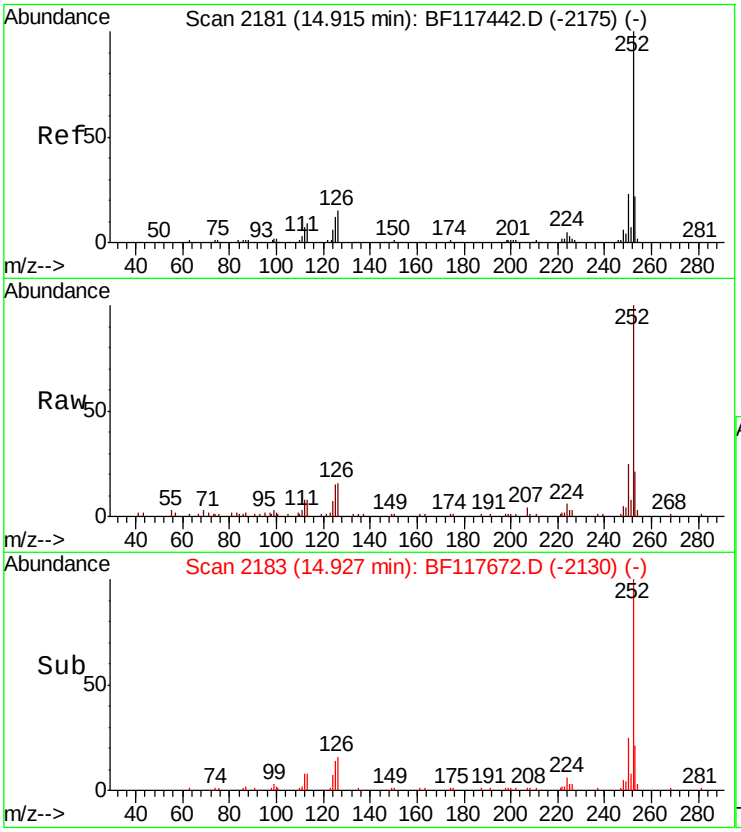


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:264 Resp: 65404

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.1	16.1	24.1

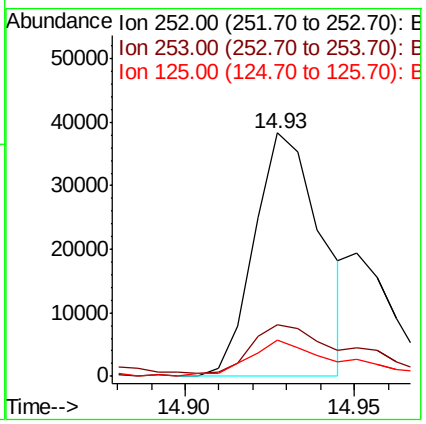




#88
Benzo(b)fluoranthene
Concen: 13.652 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:252 Resp: 52727

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	14.9	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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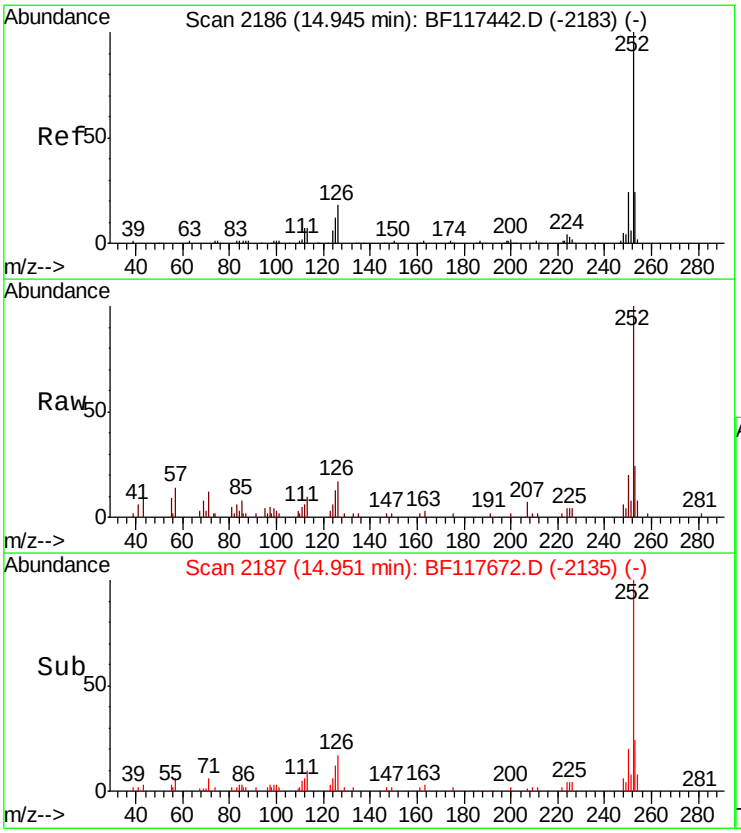
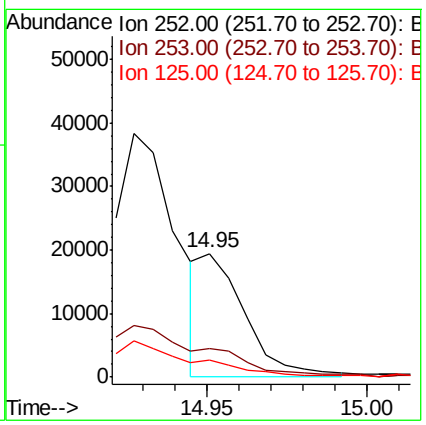
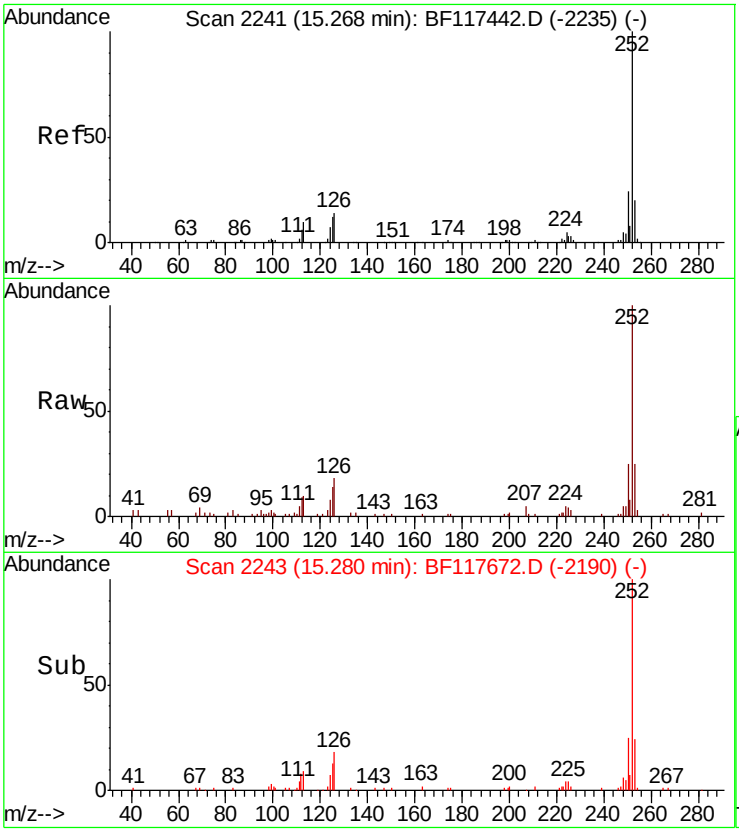


#89
Benzo(k)fluoranthene
Concen: 4.690 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:252 Resp: 18566

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	13.3	8.9	13.3#





#90
Benzo(a)pyrene
Concen: 10.855 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:252 Resp: 38118

Ion	Ratio	Lower	Upper
252	100		
253	25.2	16.3	24.5#
125	14.0	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)DL

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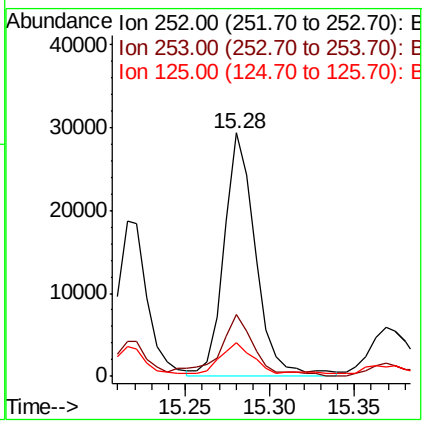

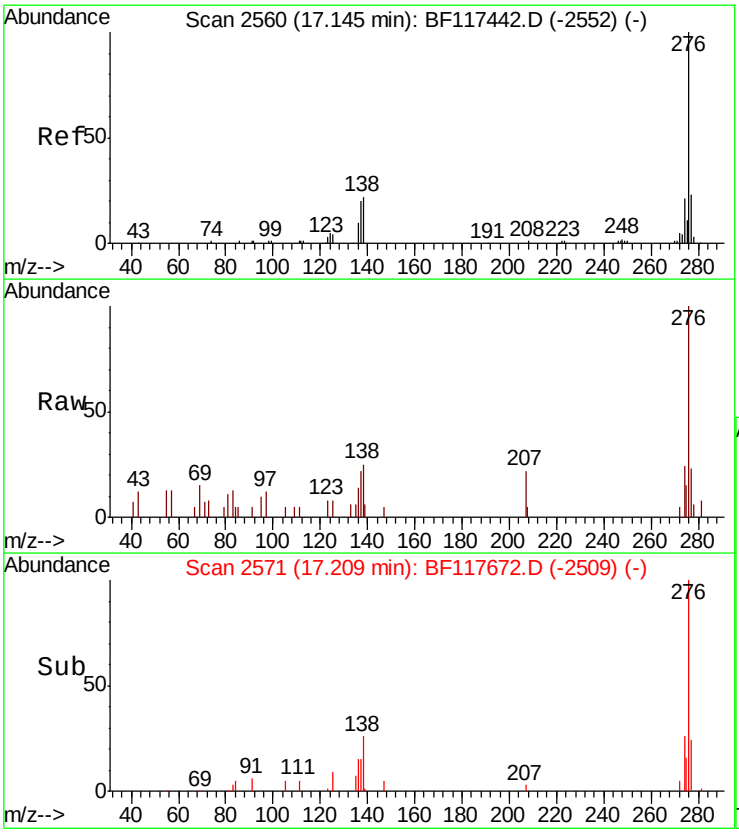

#92
Benzo(g,h,i)perylene
Concen: 5.757 ng
RT: 17.21 min Scan# 2571
Delta R.T. 0.06 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:276 Resp: 16538

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.4	27.6
138	24.6	17.8	26.6