Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117649.D
Acq On : 31 Oct 2019 6:41
Operator : JU
Sample : K5148-13DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

Manual Integrations APPROVED
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10/31/2019 3:11:27 PM

Quant Time: Oct 31 08:27:10 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	30360	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	126576	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	57960	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	87411	20.00	ng		0.00
76) Chrysene-d12	13.90	240	71592	20.00	ng		0.00
87) Perylene-d12	15.33	264	54672	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	28094	13.77	ng		0.02
7) Phenol-d6	6.40	99	44152	16.11	ng		0.02
23) Nitrobenzene-d5	7.32	82	25095	9.79	ng		0.01
42) 2,4,6-Tribromophenol	10.57	330	6320	12.60	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	44446	10.80	ng		0.00
79) Terphenyl-d14	12.83	244	40943	9.33	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.27	178	29139	5.741	ng		98
72) Anthracene	11.33	178	11667	2.240	ng		96
75) Fluoranthene	12.47	202	69068	13.593	ng		97
78) Pyrene	12.70	202	64734	10.527	ng		96
81) Benzo(a)anthracene	13.89	228	25486	5.278	ng		95
83) Chrysene	13.92	228	23061	4.873	ng		98
88) Benzo(b)fluoranthene	14.93	252	19532m	6.050	ng		
89) Benzo(k)fluoranthene	14.95	252	6775m	2.047	ng		
90) Benzo(a)pyrene	15.28	252	14212	4.842	ng	#	91
92) Benzo(g,h,i)perylene	17.20	276	5811	2.420	ng	#	88

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

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Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

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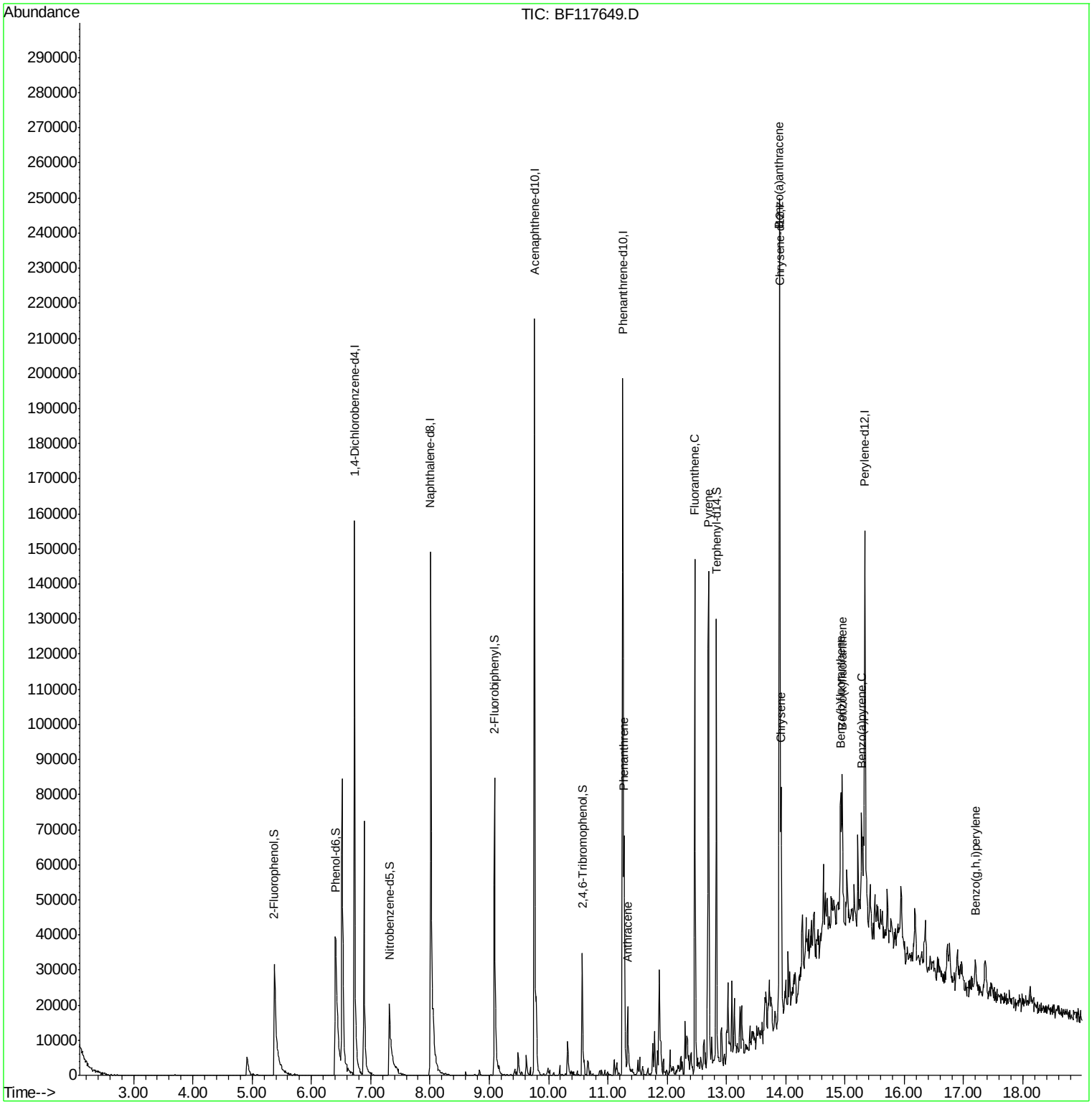
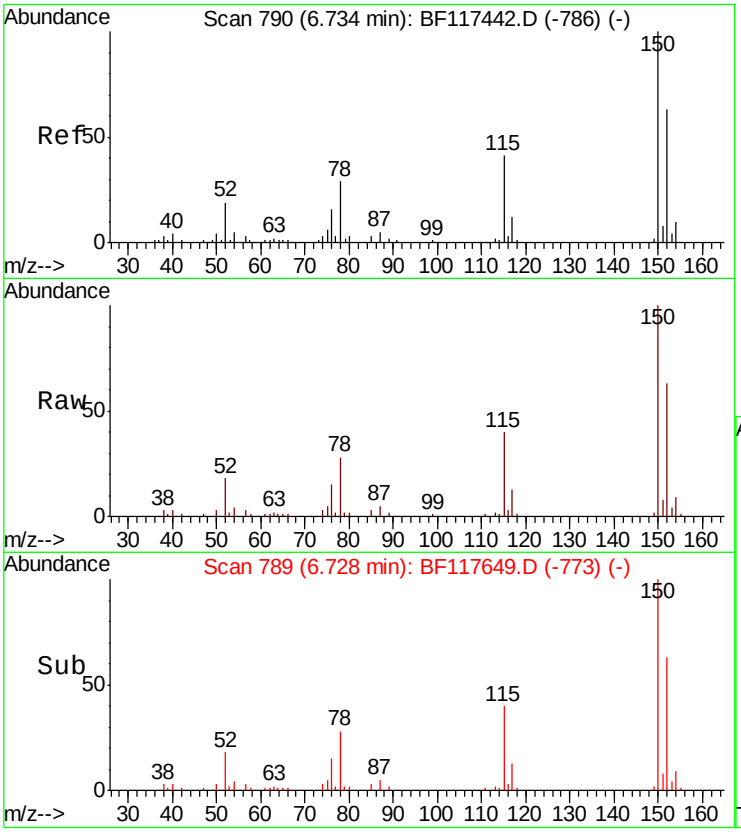
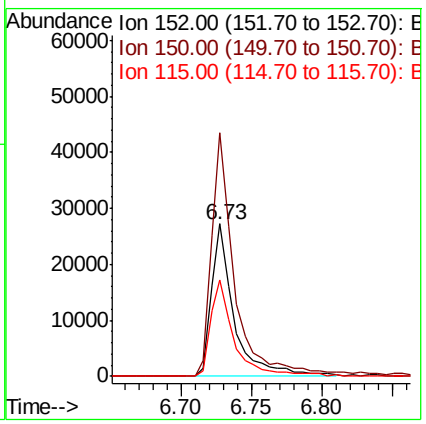




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:152 Resp: 30360

Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.8	190.2
115	63.3	51.6	77.4



Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

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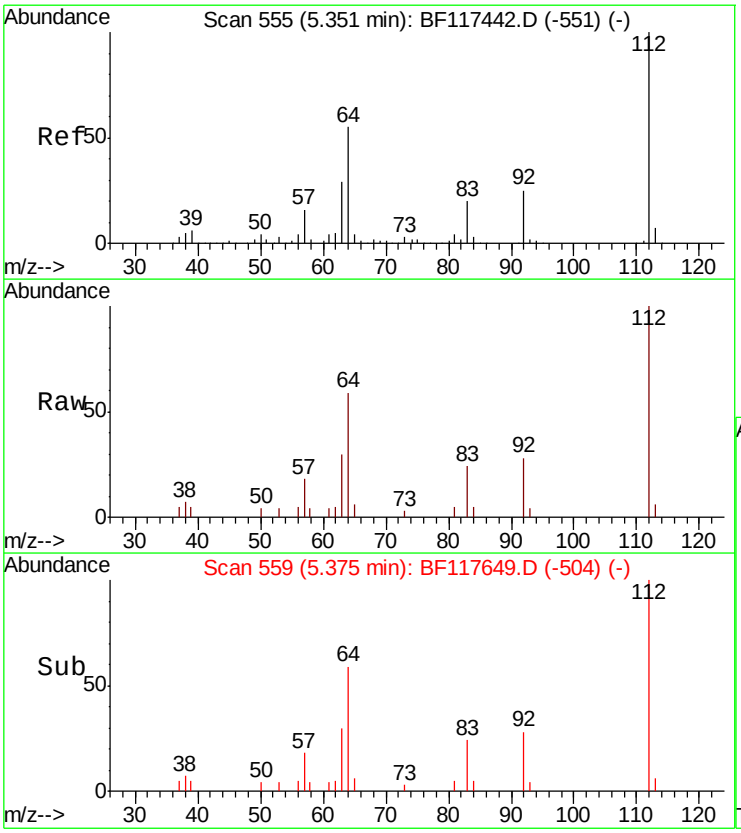
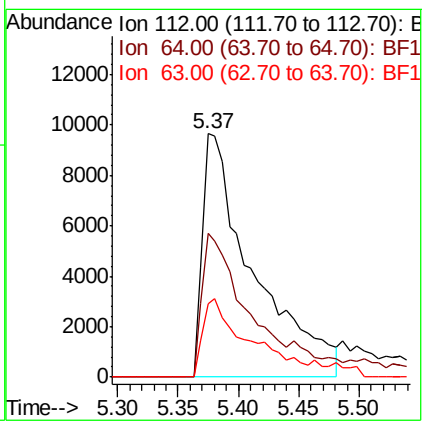
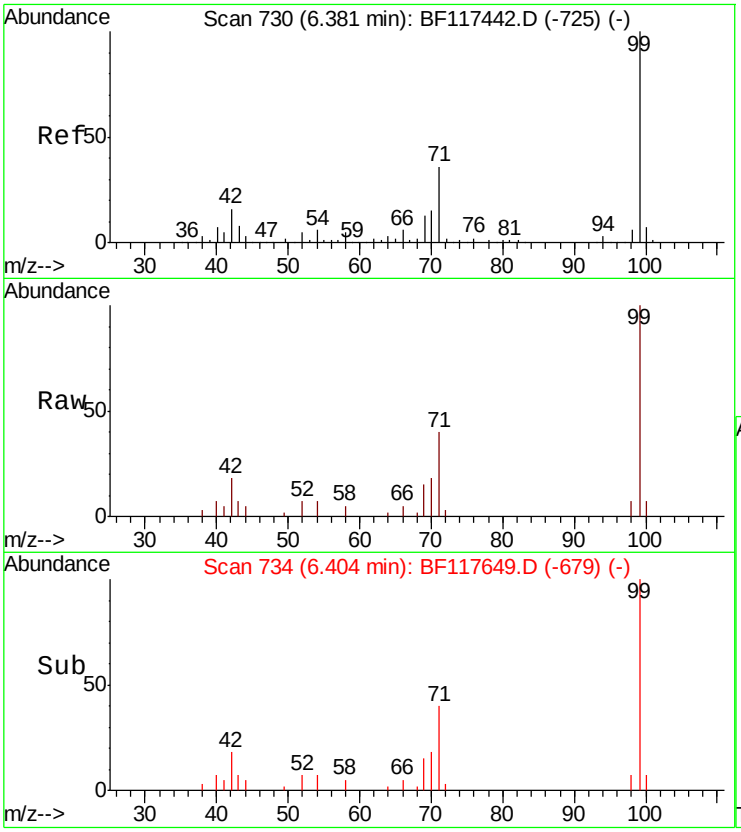


#5
2-Fluorophenol
Concen: 13.767 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:112 Resp: 28094

Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.1	66.1
63	30.0	23.4	35.2

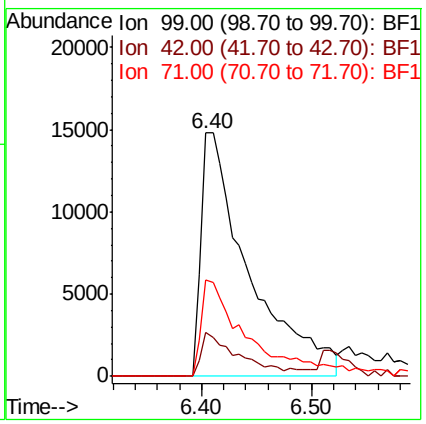




#7
Phenol-d6
Concen: 16.108 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.02 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion: 99 Resp: 44152

Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.8	19.2
71	39.5	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

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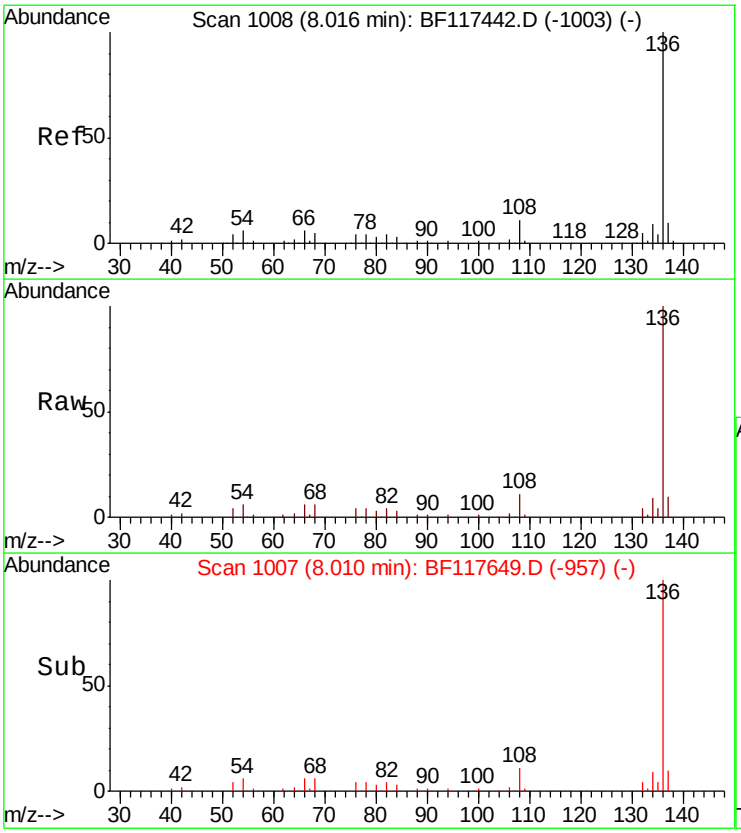
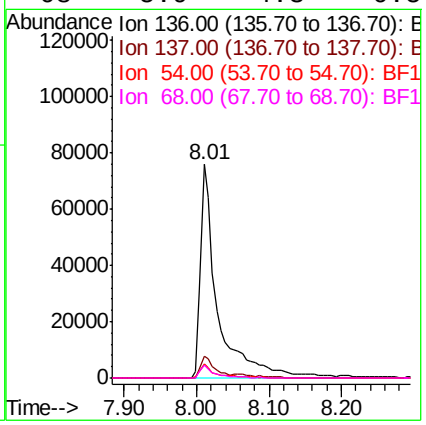
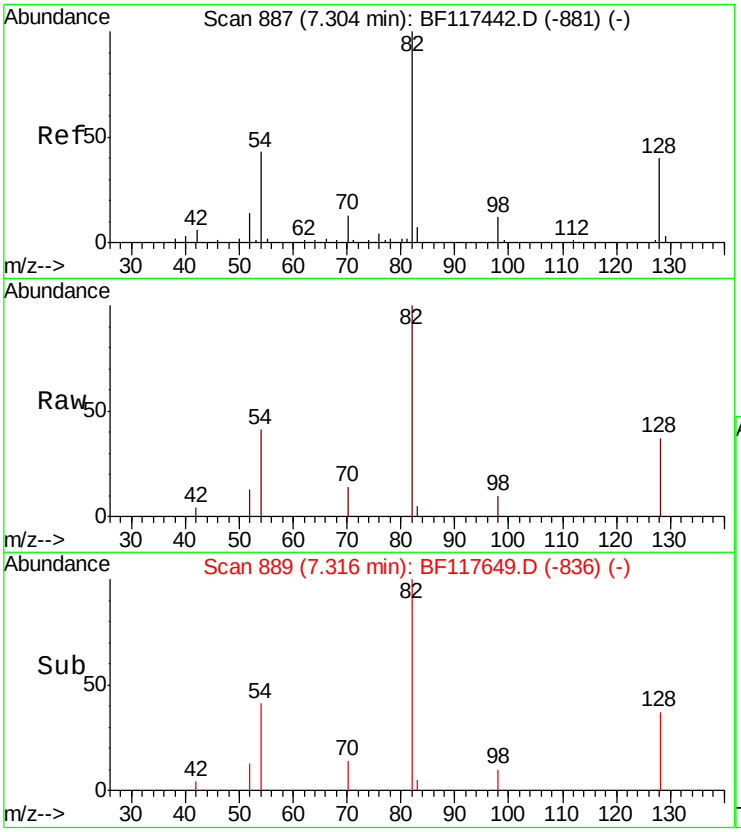


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:136 Resp: 126576

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	6.5	4.5	6.7
68	5.9	4.3	6.5

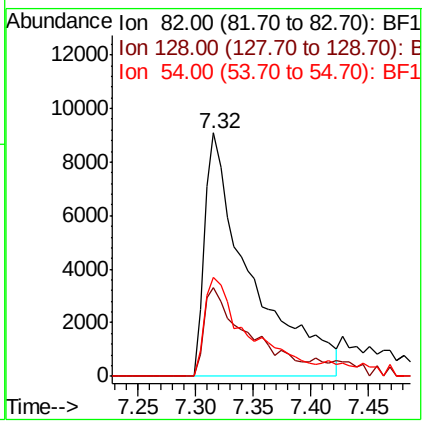




#23
Nitrobenzene-d5
Concen: 9.788 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion: 82 Resp: 25095

Ion	Ratio	Lower	Upper
82	100		
128	36.6	32.2	48.2
54	40.8	34.2	51.2



Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

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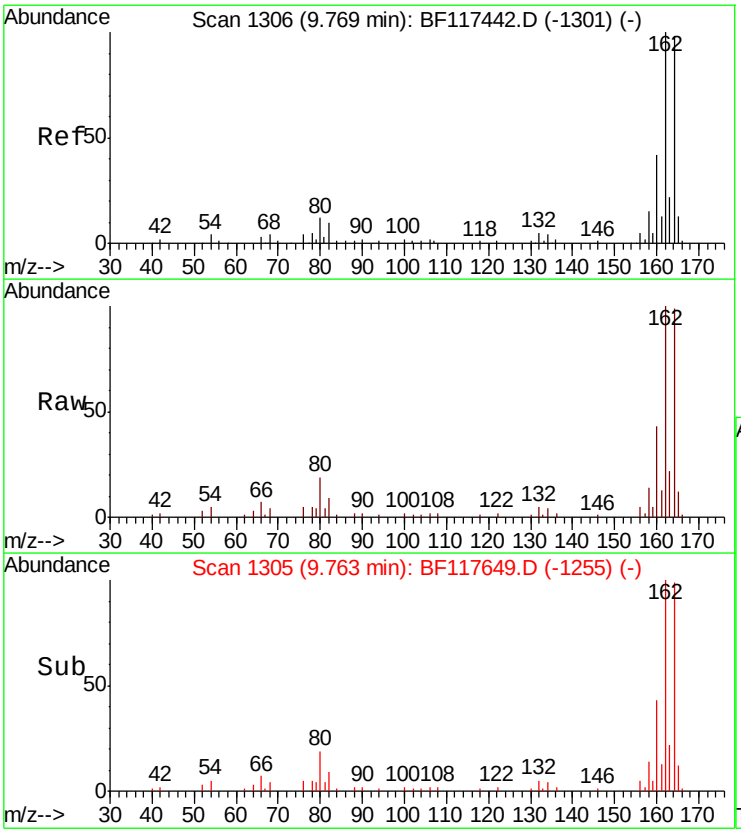
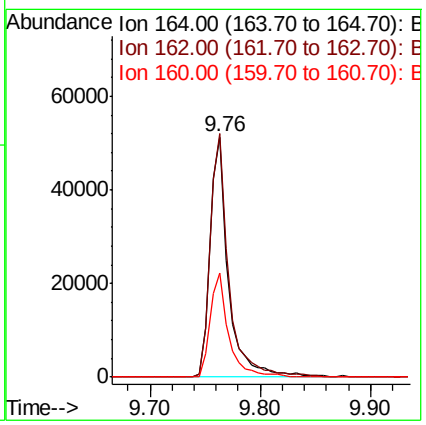
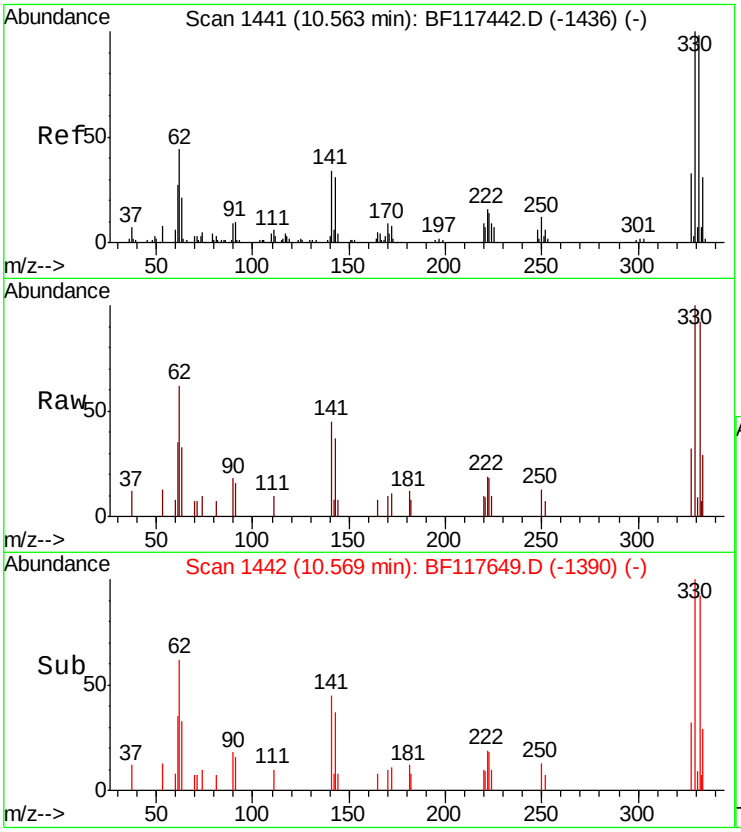


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:164 Resp: 57960

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	43.3	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 12.602 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:330 Resp: 6320

Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.5	117.7
141	47.2	37.0	55.6

Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

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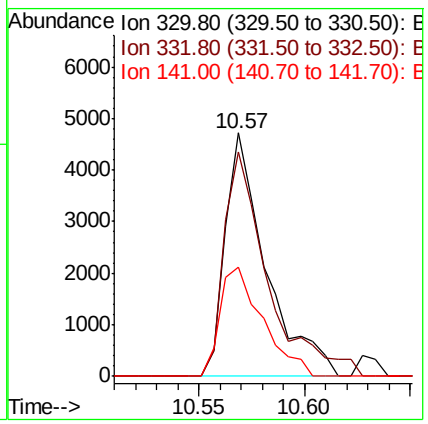
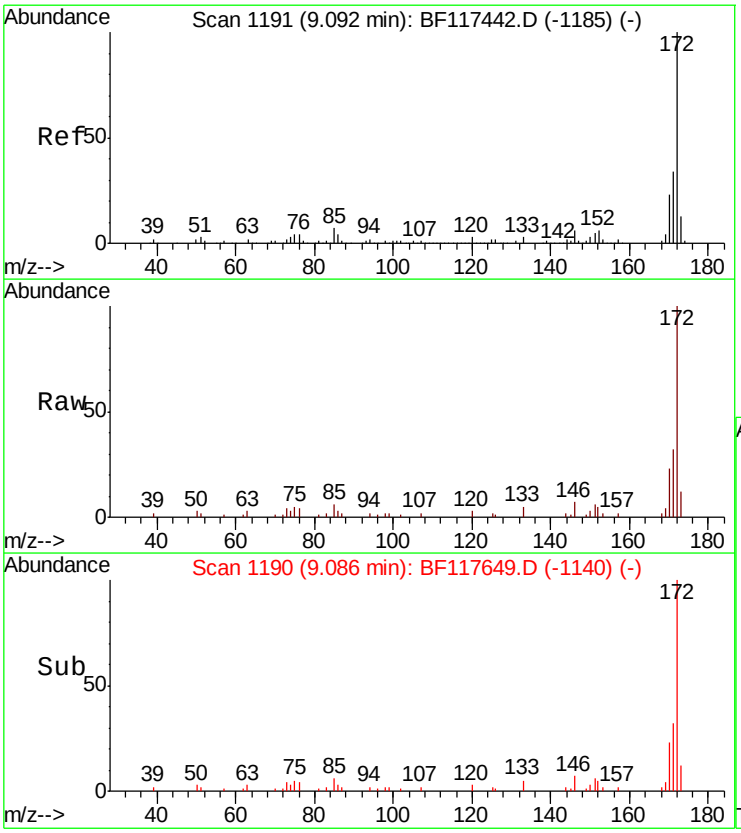
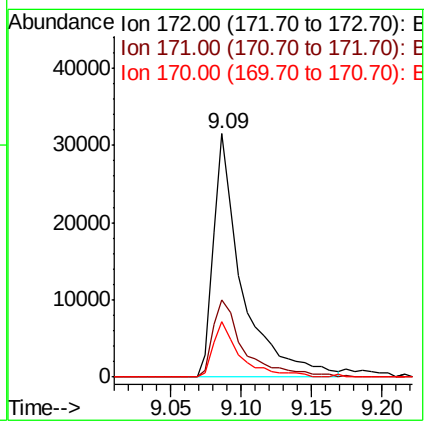


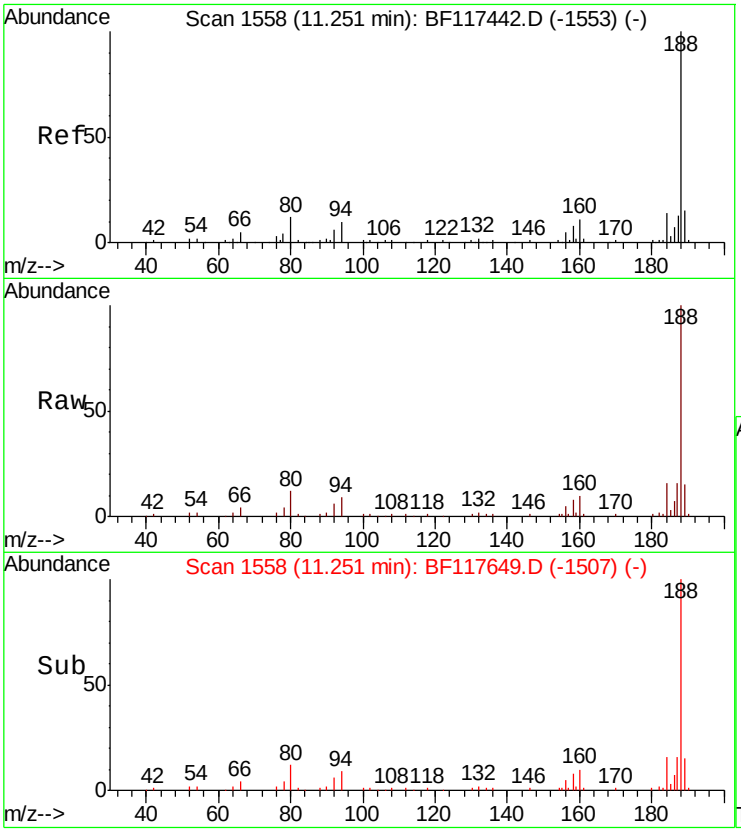


#45
2-Fluorobiphenyl
Concen: 10.805 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:172 Resp: 44446

Ion	Ratio	Lower	Upper
172	100		
171	31.9	27.5	41.3
170	22.6	18.6	27.8

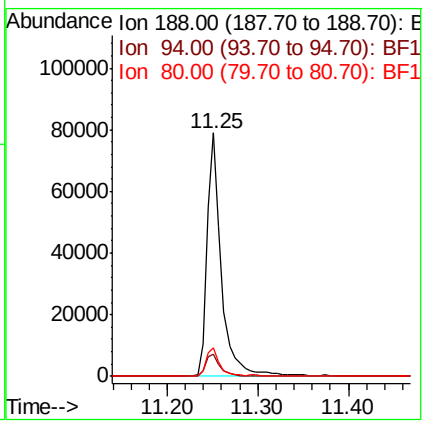




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:188 Resp: 87411

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	11.6	9.5	14.3



Instrument :
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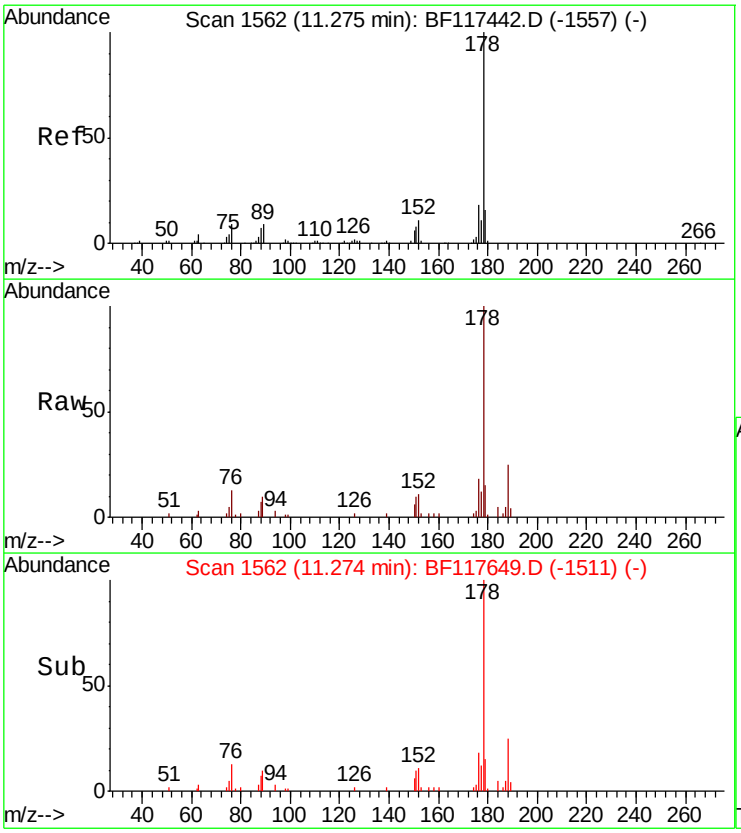
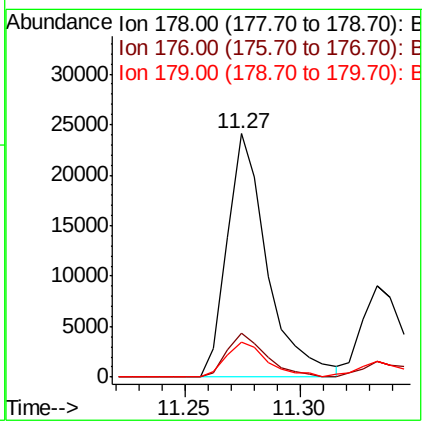
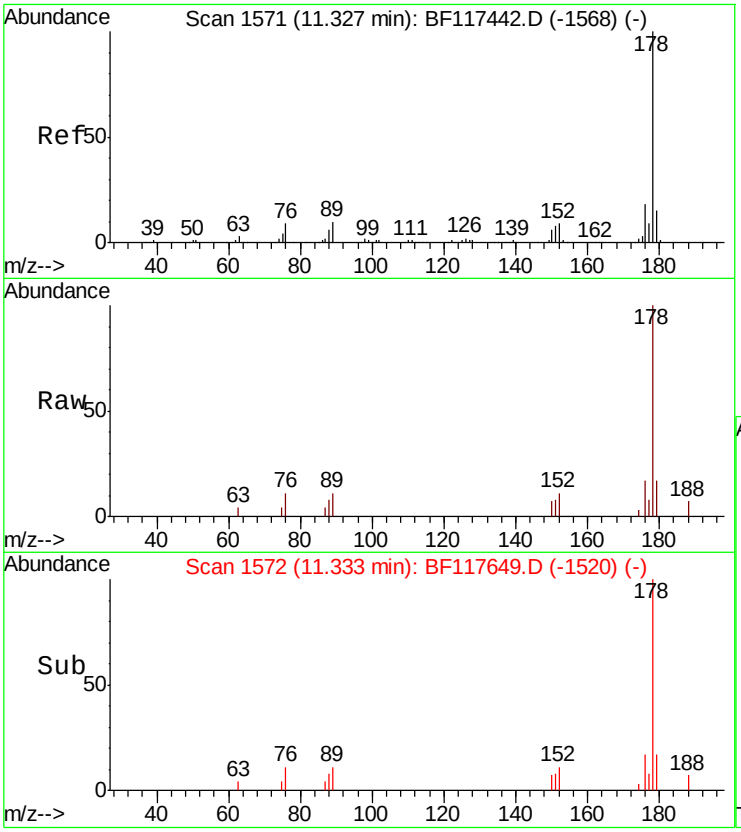


#71
Phenanthrene
Concen: 5.741 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:178 Resp: 29139

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	14.6	12.6	19.0





#72
Anthracene
Concen: 2.240 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:178 Resp: 11667

Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.7	22.1
179	16.7	12.2	18.2

Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

Manual Integrations APPROVED
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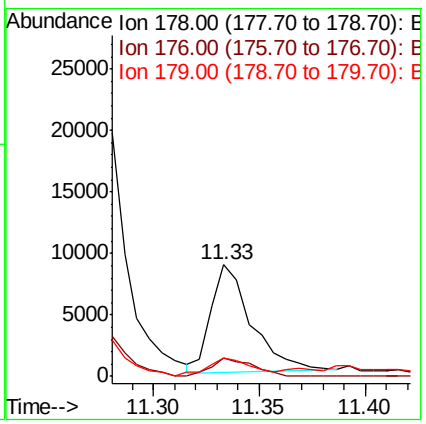
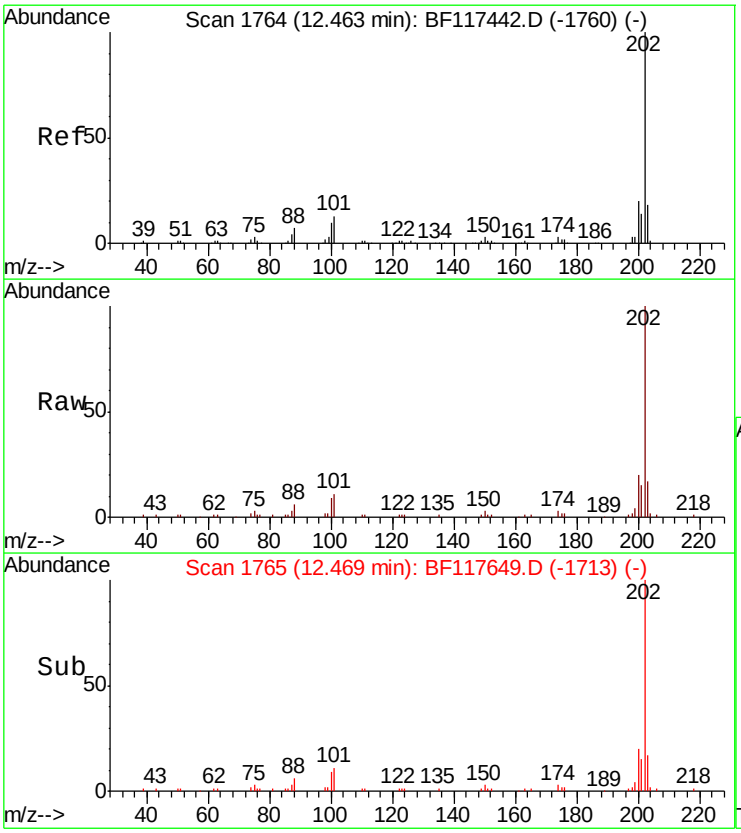
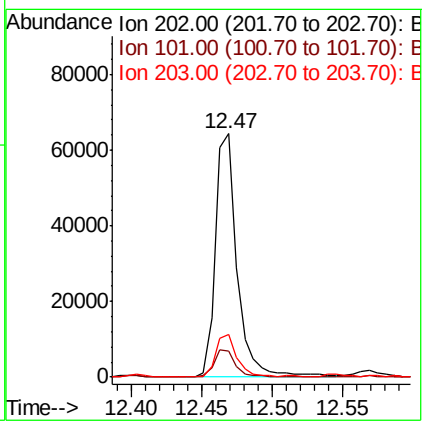


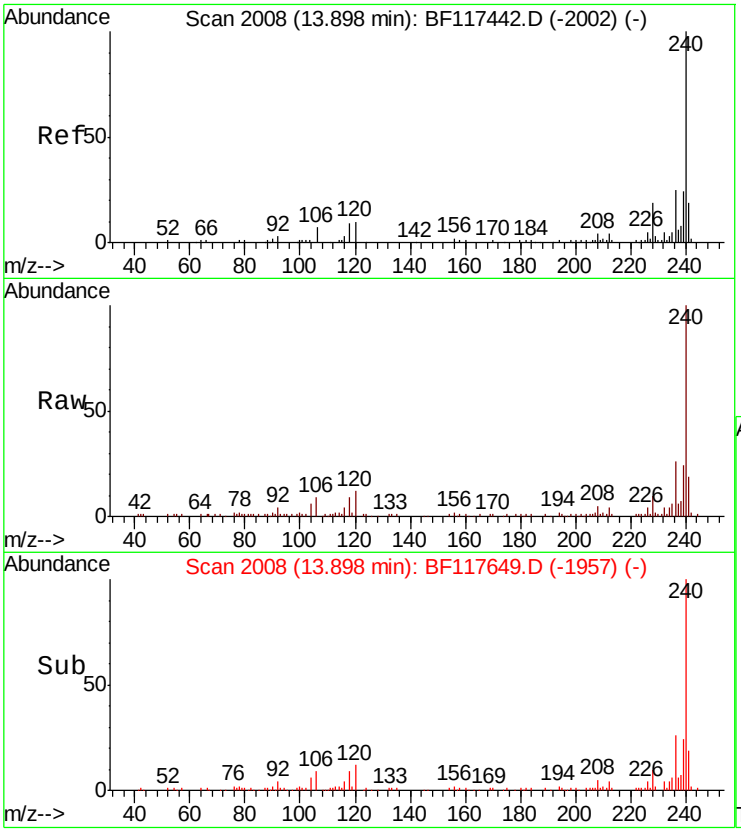


#75
Fluoranthene
Concen: 13.593 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:202 Resp: 69068

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.7
203	17.4	0.0	37.6

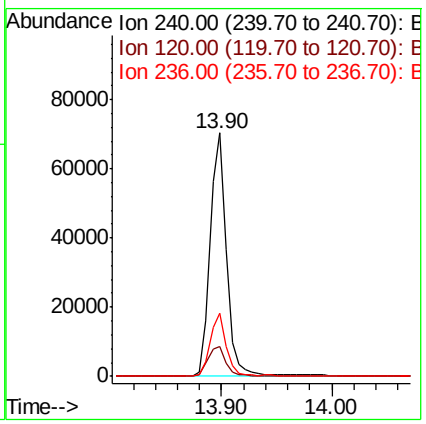




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:240 Resp: 71592

Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.4	12.6
236	25.8	20.0	30.0



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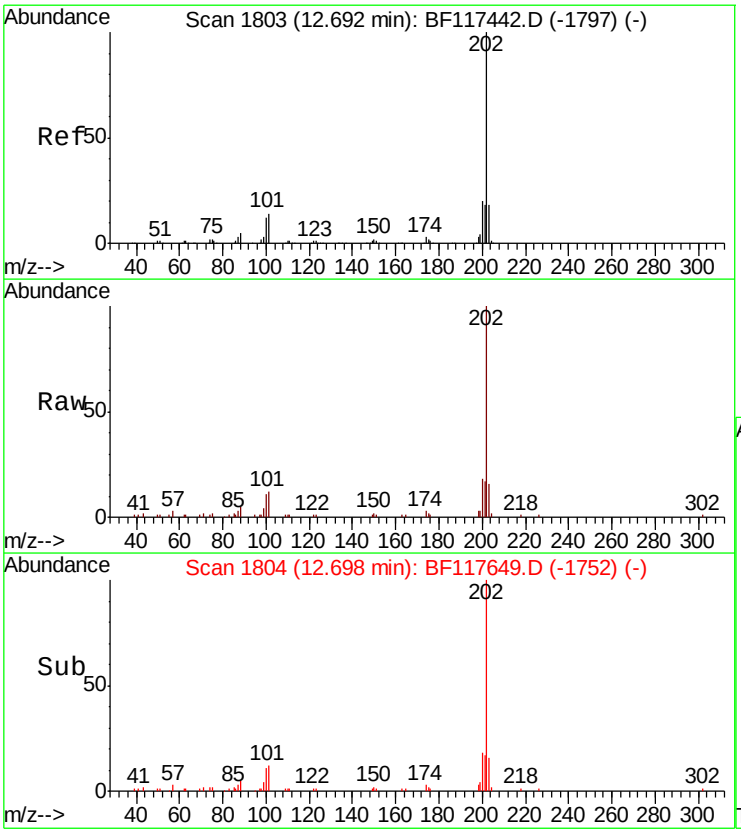
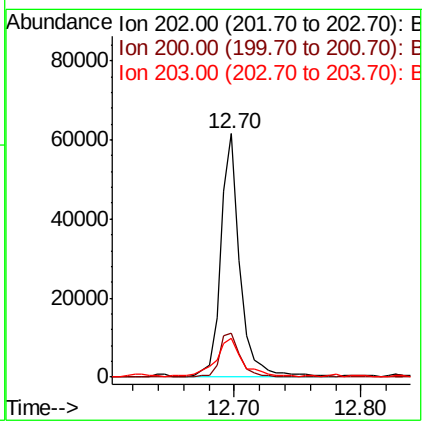
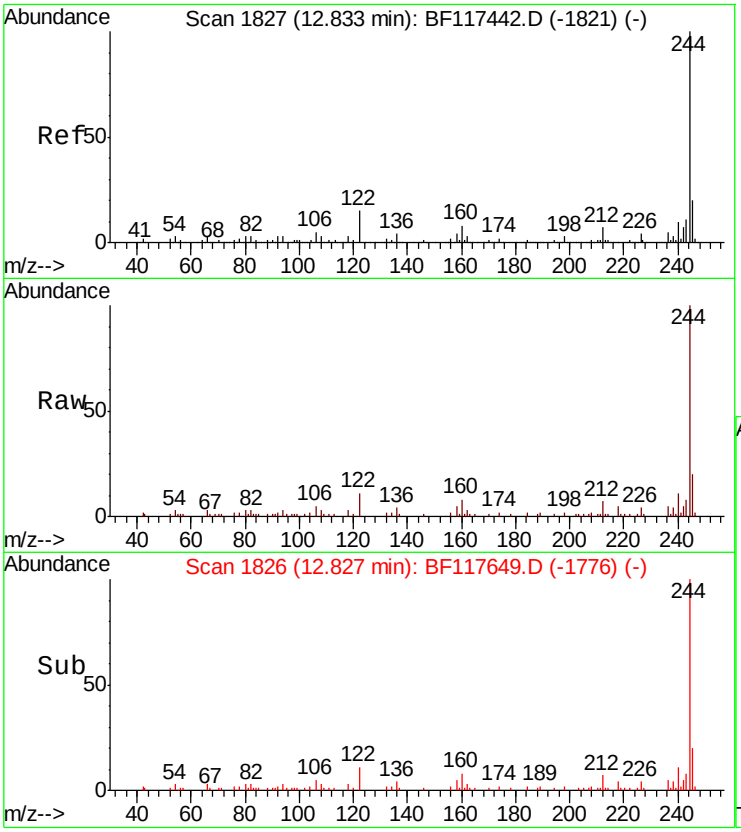


#78
Pyrene
Concen: 10.527 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:202 Resp: 64734

Ion	Ratio	Lower	Upper
202	100		
200	17.9	16.2	24.2
203	16.1	14.0	21.0

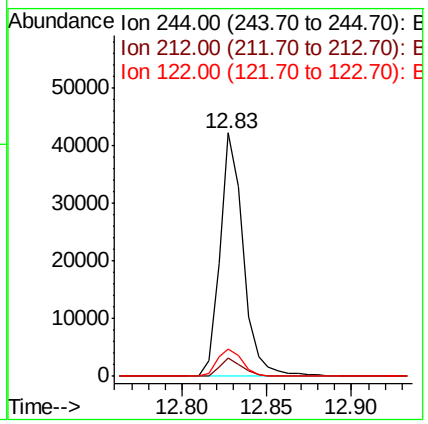




#79
Terphenyl-d14
Concen: 9.328 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:244 Resp: 40943

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	11.0	11.8	17.8#



Instrument :
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ClientSampleId :
OR-03-102919DL

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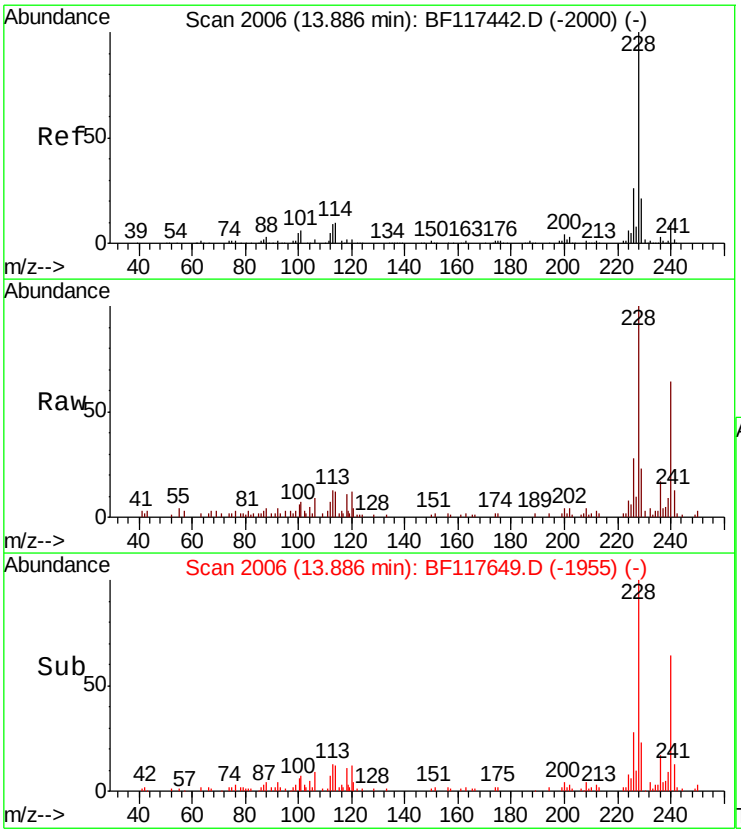
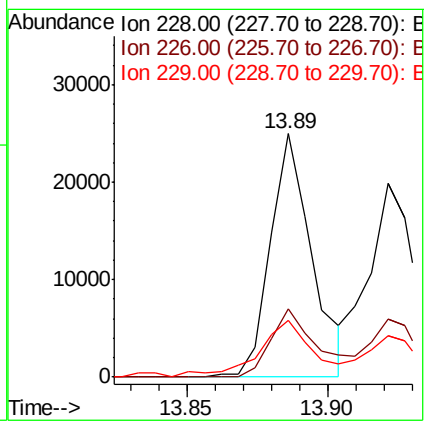
10/31/2019 3:11:27 PM

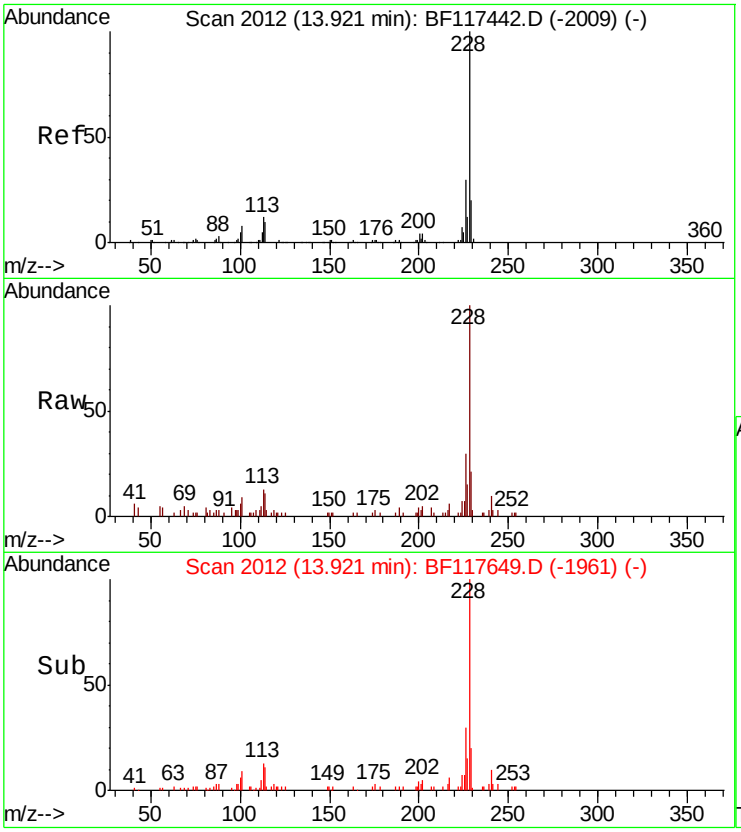


#81
Benzo(a)anthracene
Concen: 5.278 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:228 Resp: 25486

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	23.2	16.4	24.6

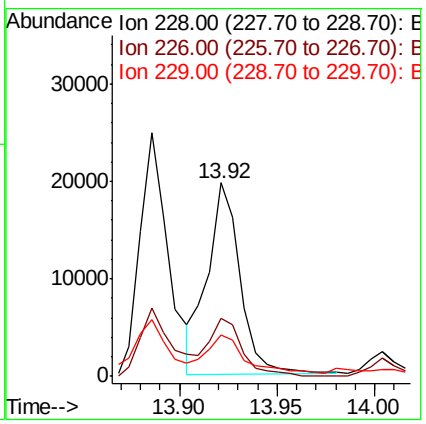




#83
Chrysene
Concen: 4.873 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:228 Resp: 23061

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	21.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

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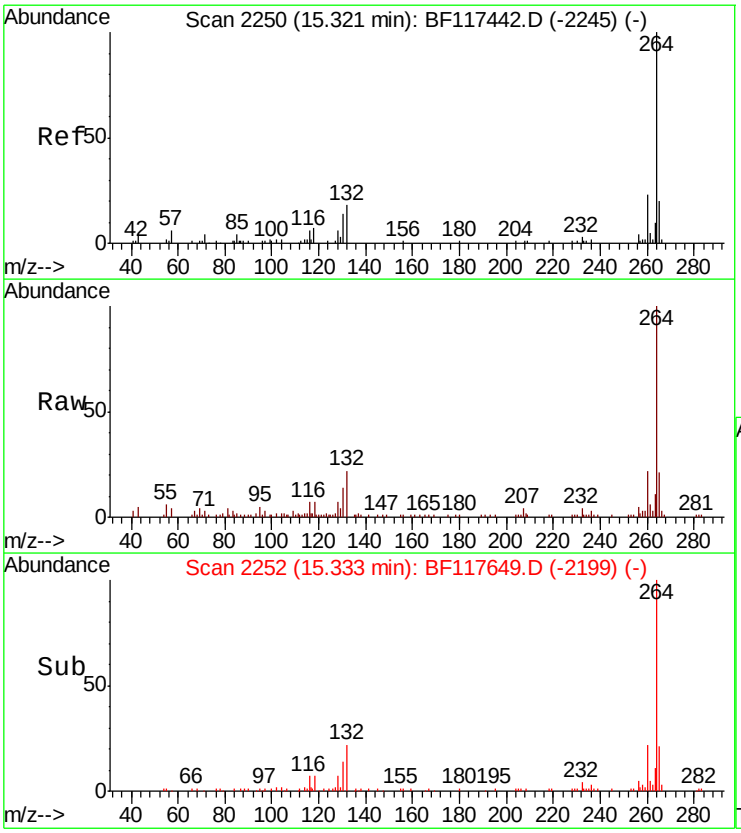
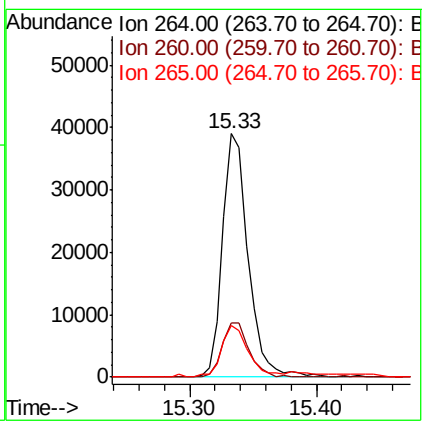
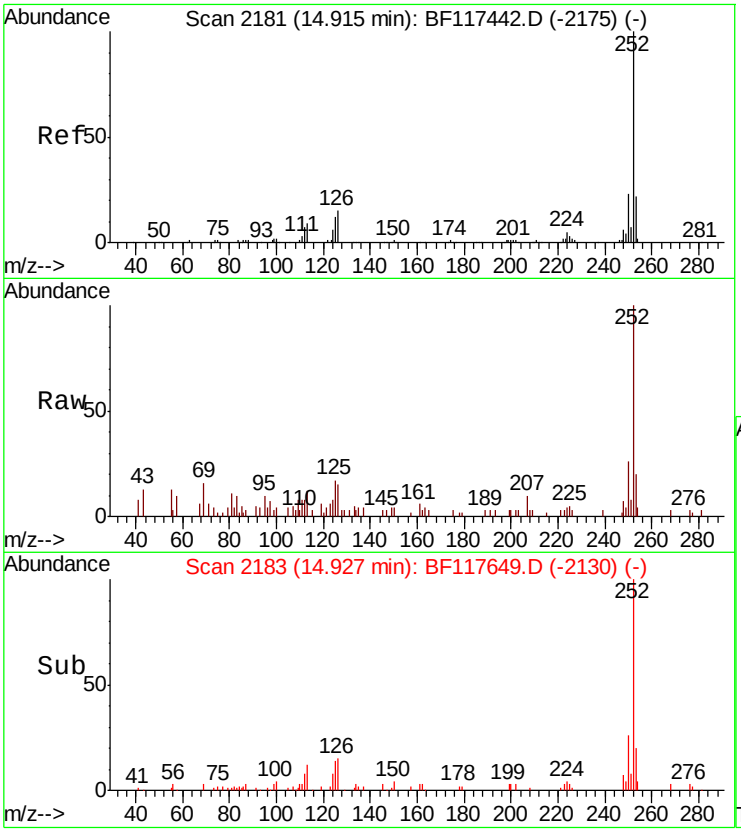


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:264 Resp: 54672

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	21.4	16.1	24.1





#88
Benzo(b)fluoranthene
Concen: 6.050 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:252 Resp: 19532

Ion	Ratio	Lower	Upper
252	100		
253	19.6	17.8	26.6
125	17.3	9.9	14.9#

Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

Manual Integrations APPROVED
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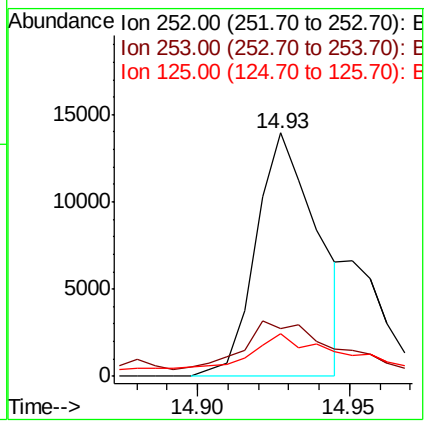
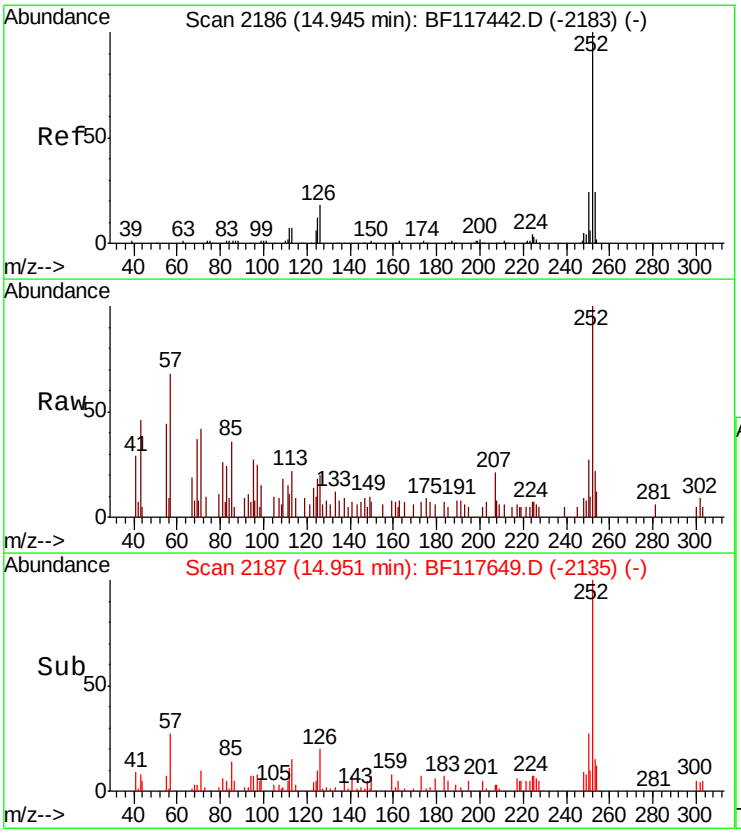
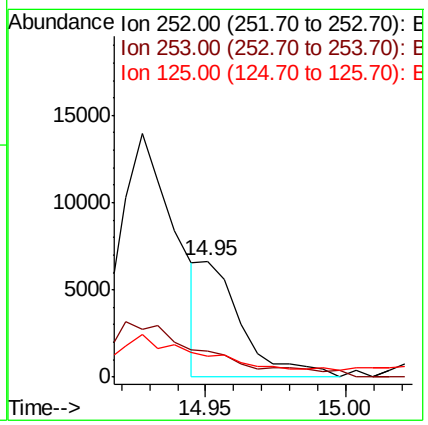


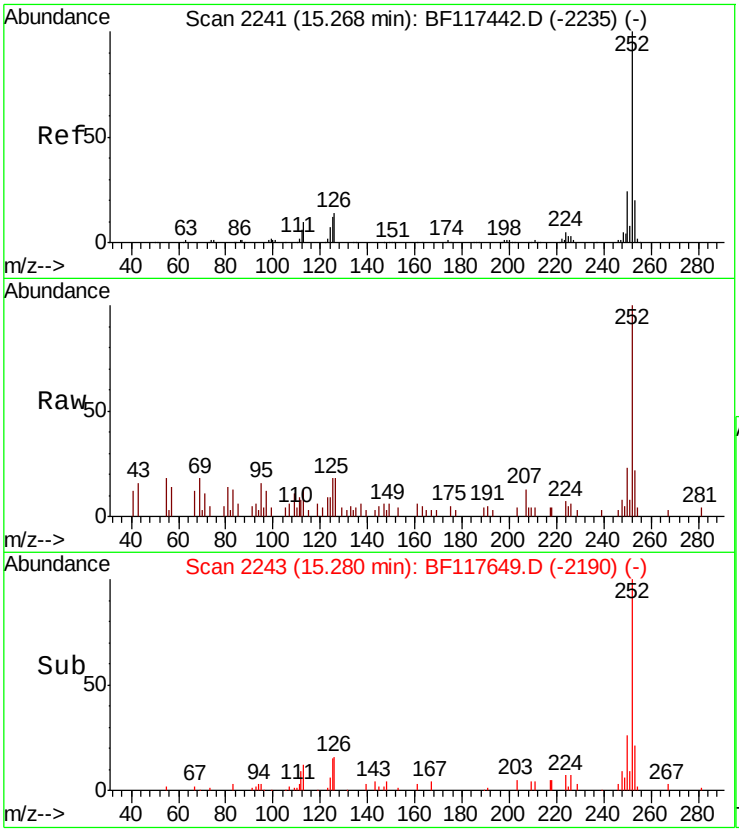


#89
Benzo(k)fluoranthene
Concen: 2.047 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:252 Resp: 6775

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	18.5	8.9	13.3#





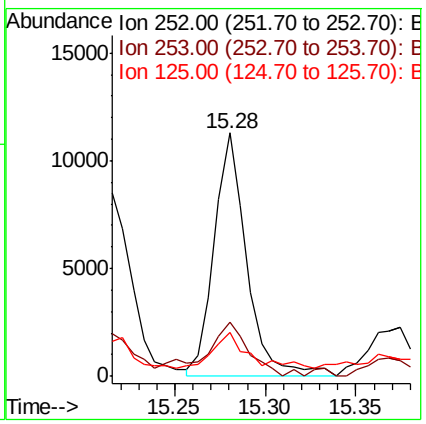
#90
Benzo(a)pyrene
Concen: 4.842 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

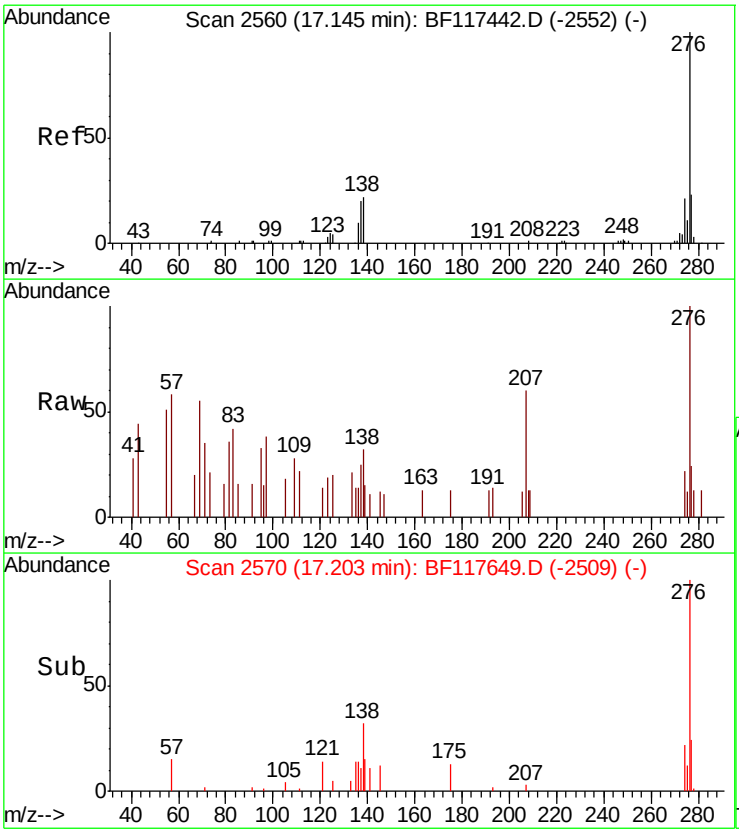
Tgt Ion:252 Resp: 14212

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.3	24.5
125	18.3	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
OR-03-102919DL

Manual Integrations APPROVED
mohammad
10/31/2019 3:11:27 PM





#92
Benzo(g,h,i)perylene
Concen: 2.420 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:276 Resp: 5811

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	32.2	17.8	26.6#