Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118548.D
Acq On : 13 Jan 2020 23:26
Operator : JU
Sample : L1107-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
mohammad
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Quant Time: Jan 14 14:18:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	117065	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	480095	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	234889	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	385534	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	345318	20.00	ng	-0.03
87) Perylene-d12	15.49	264	265167	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	320354	45.17	ng	-0.01
7) Phenol-d6	6.46	99	407137	48.02	ng	-0.02
23) Nitrobenzene-d5	7.38	82	230460	25.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	112524	40.60	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	473392	28.90	ng	-0.03
79) Terphenyl-d14	12.94	244	499871	22.94	ng	-0.03
Target Compounds						Qvalue
50) Dimethylphthalate	9.57	163	37662	2.089	ng	98
75) Fluoranthene	12.57	202	138780	6.322	ng	98
78) Pyrene	12.80	202	126487	4.452	ng	100
81) Benzo(a)anthracene	14.00	228	99122	4.101	ng	92
83) Chrysene	14.03	228	99293	4.227	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	46404	2.454	ng	99
88) Benzo(b)fluoranthene	15.06	252	132970m	6.936	ng	
89) Benzo(k)fluoranthene	15.08	252	37047m	2.025	ng	
90) Benzo(a)pyrene	15.43	252	70966	4.517	ng	94
92) Benzo(g,h,i)perylene	17.44	276	40820	2.924	ng #	95

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118548.D
Acq On : 13 Jan 2020 23:26
Operator : JU
Sample : L1107-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 14 14:18:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

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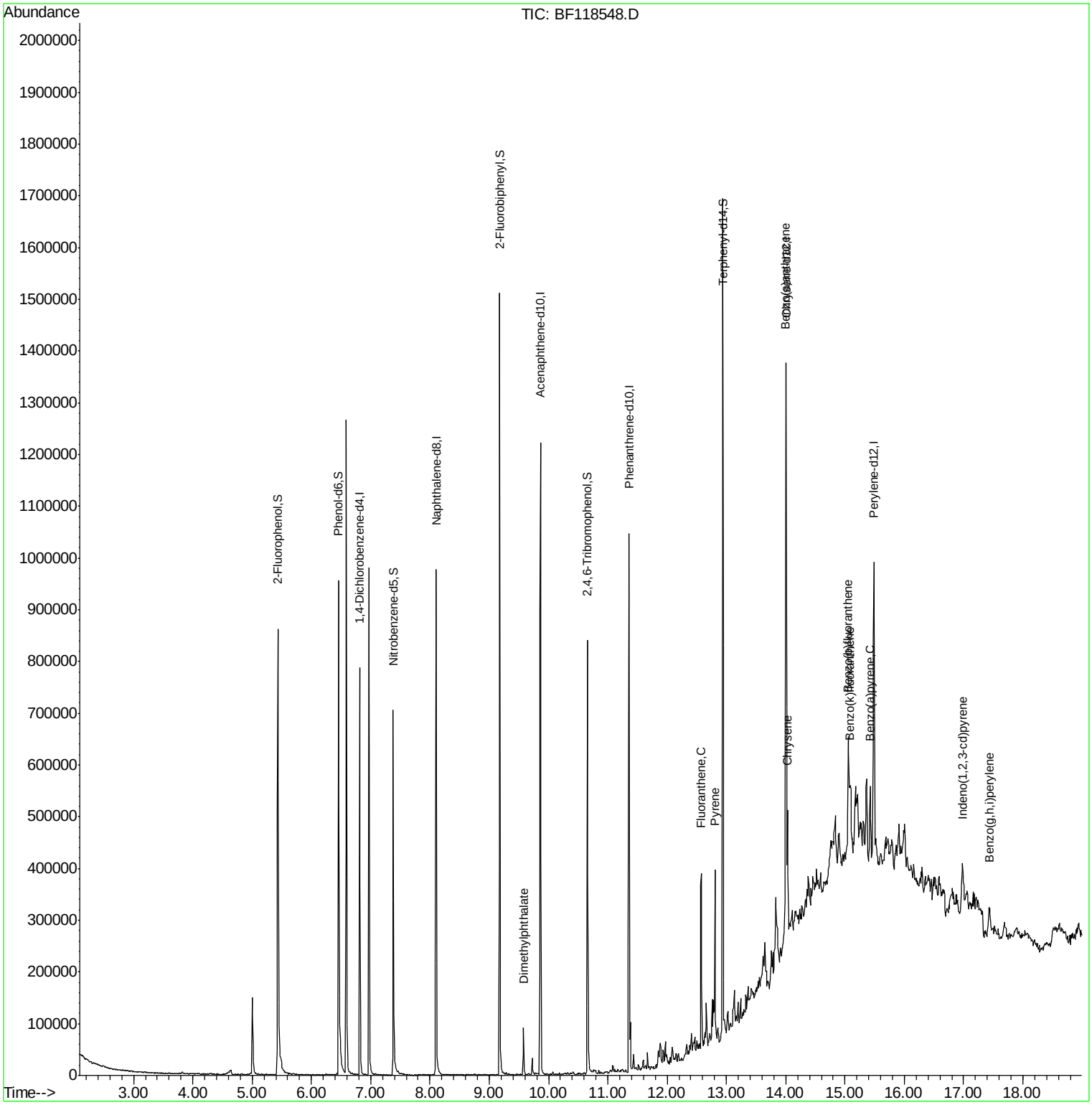

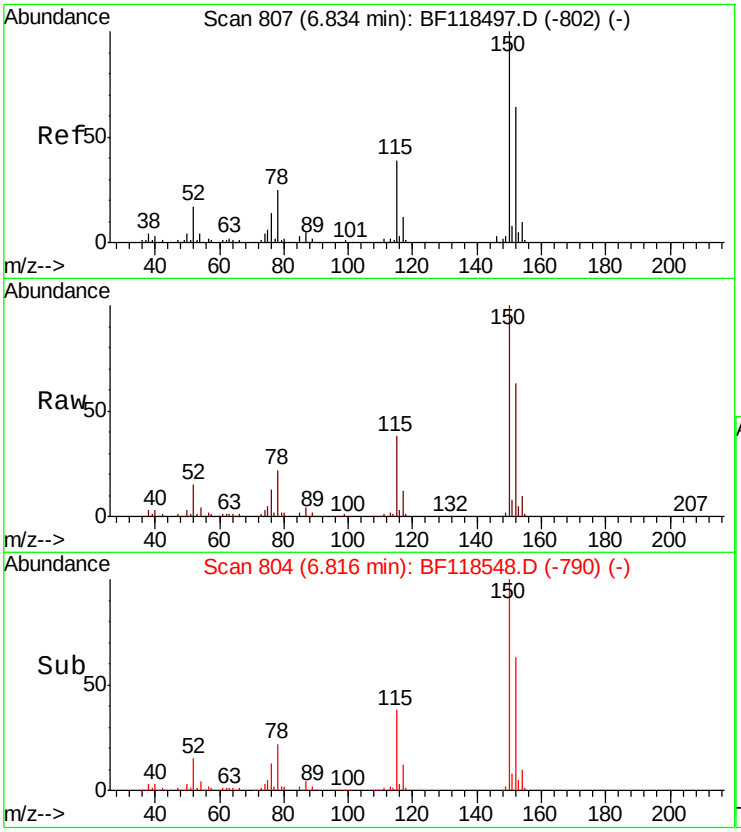

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:152 Resp: 117065

Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.7	187.1
115	60.0	49.0	73.6

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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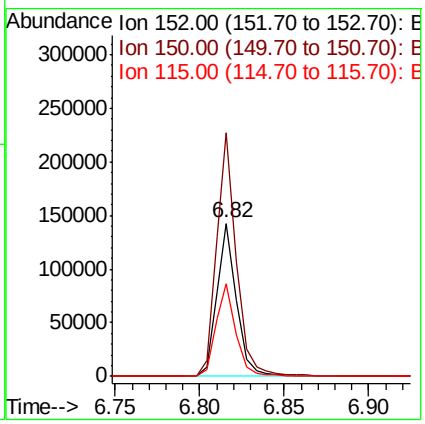
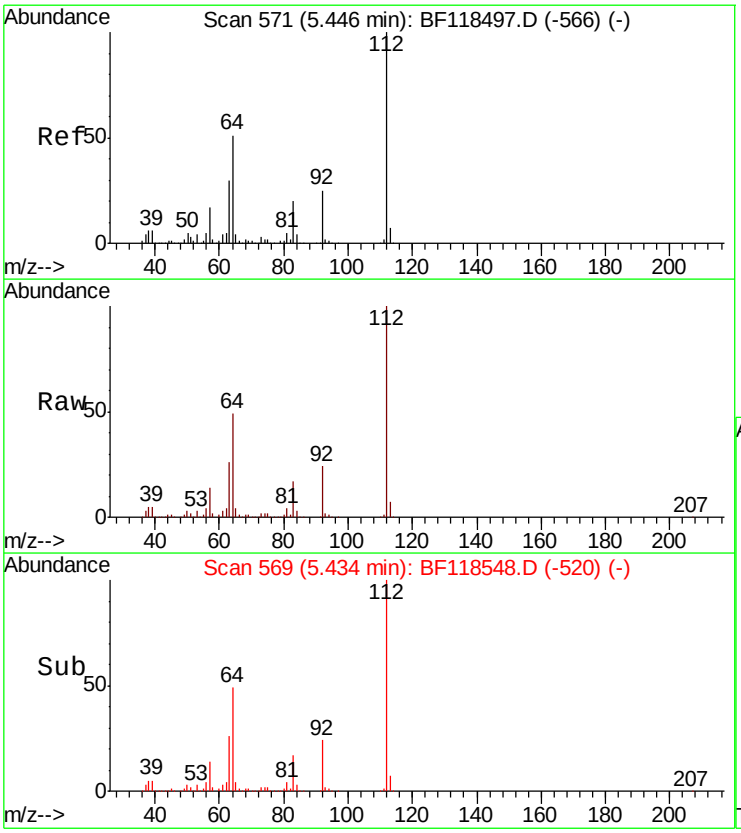
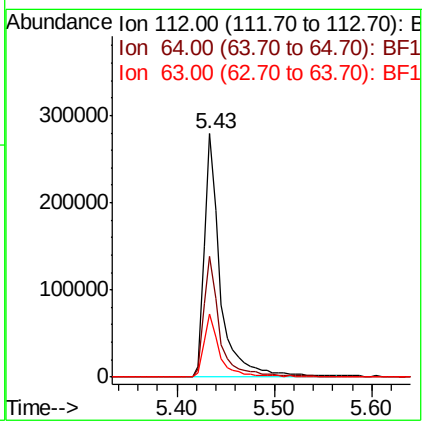


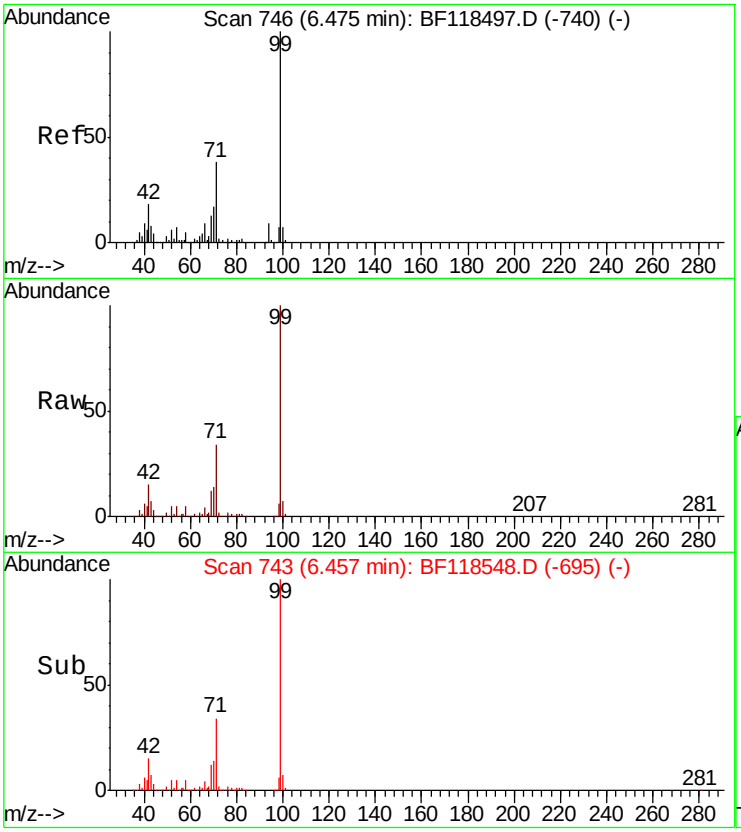


#5
2-Fluorophenol
Concen: 45.174 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:112 Resp: 320354

Ion	Ratio	Lower	Upper
112	100		
64	49.4	41.1	61.7
63	25.9	24.1	36.1





#7
Phenol-d6
Concen: 48.020 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion: 99 Resp: 407137

Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.5	21.7
71	33.8	30.6	45.8

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

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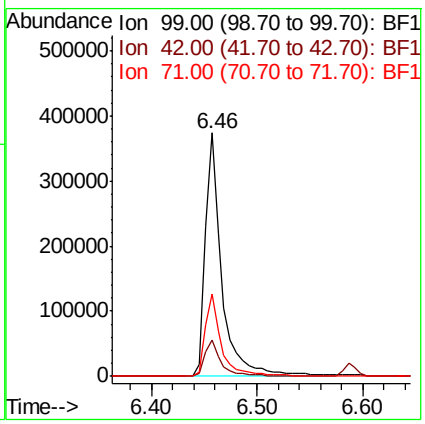
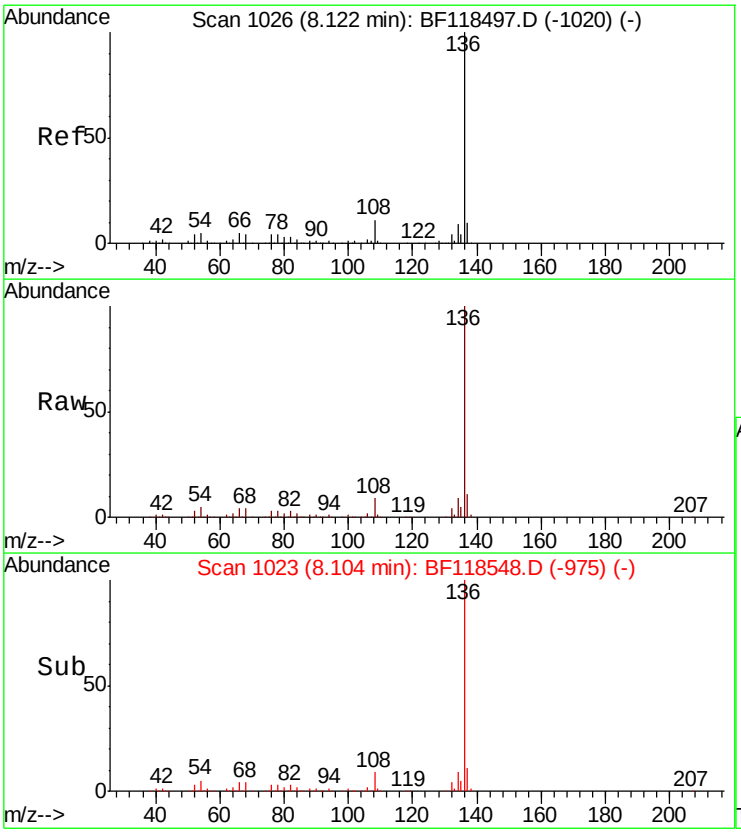
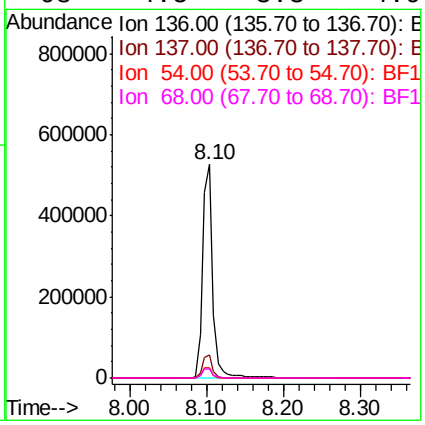


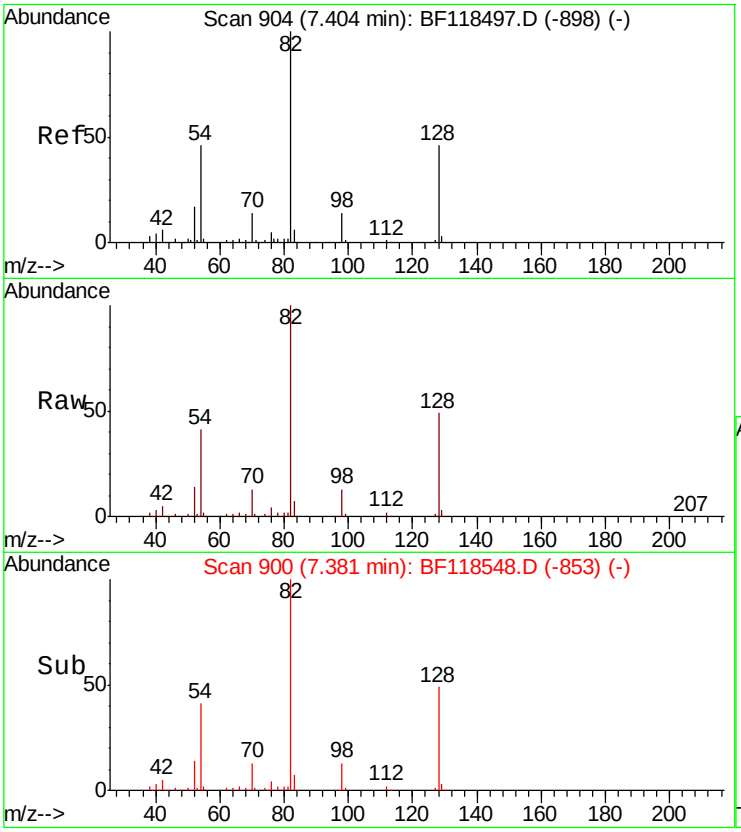


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:136 Resp: 480095

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	4.6	4.2	6.2
68	4.5	3.3	4.9





#23
Nitrobenzene-d5
Concen: 25.217 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion: 82 Resp: 230460

Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.6	54.8
54	41.0	37.0	55.6

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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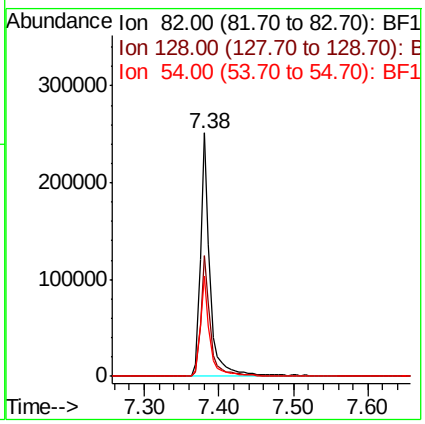
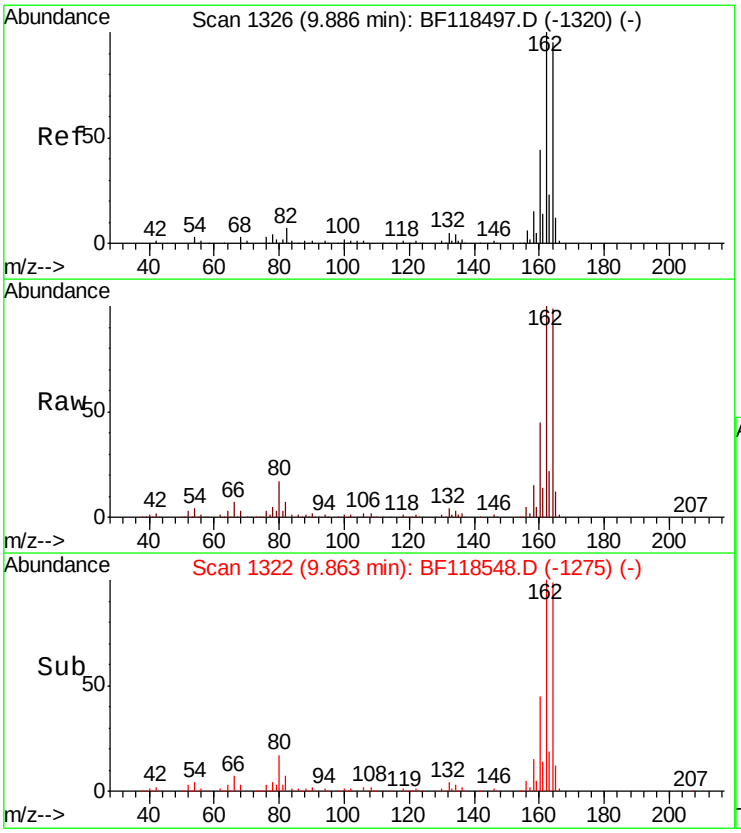
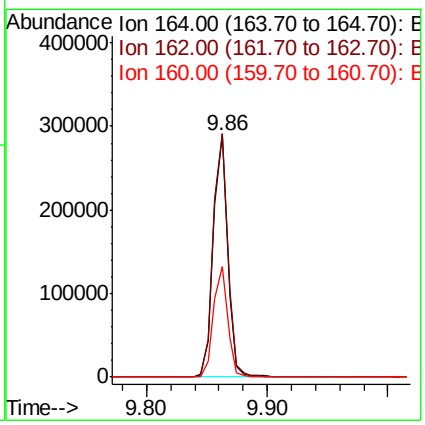


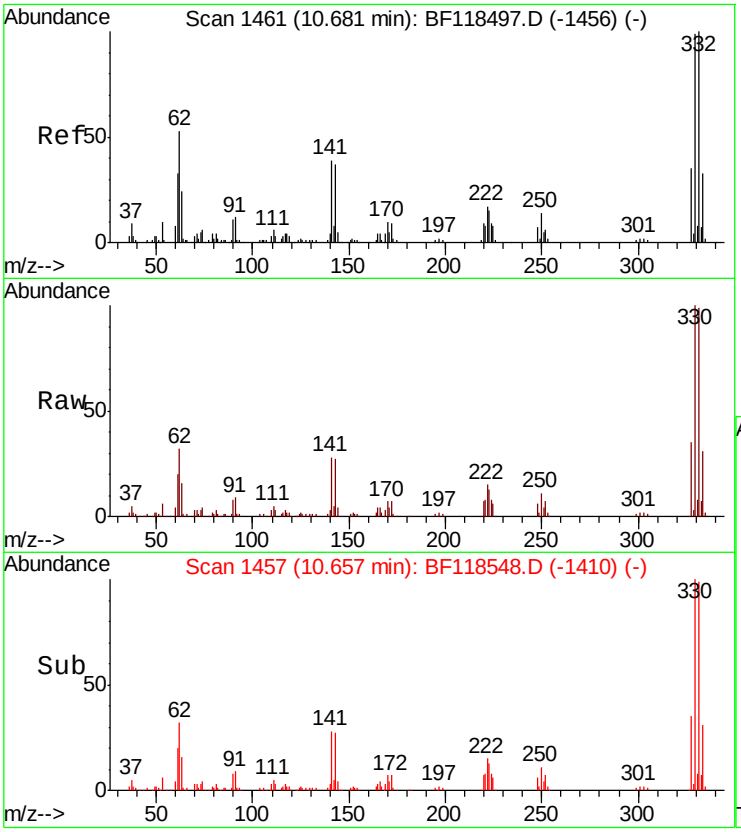


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:164 Resp: 234889

Ion	Ratio	Lower	Upper
164	100		
162	100.6	84.2	126.4
160	45.8	36.8	55.2





#42
2,4,6-Tribromophenol
Concen: 40.598 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:330 Resp: 112524

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.9	116.9
141	30.4	28.6	43.0

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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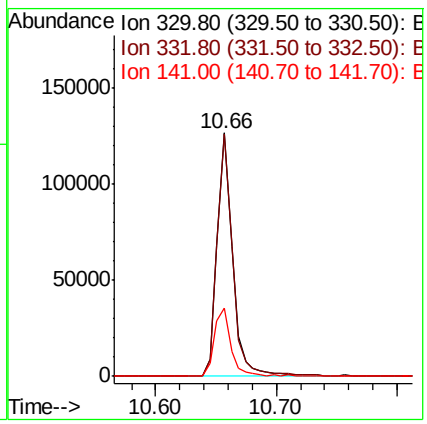
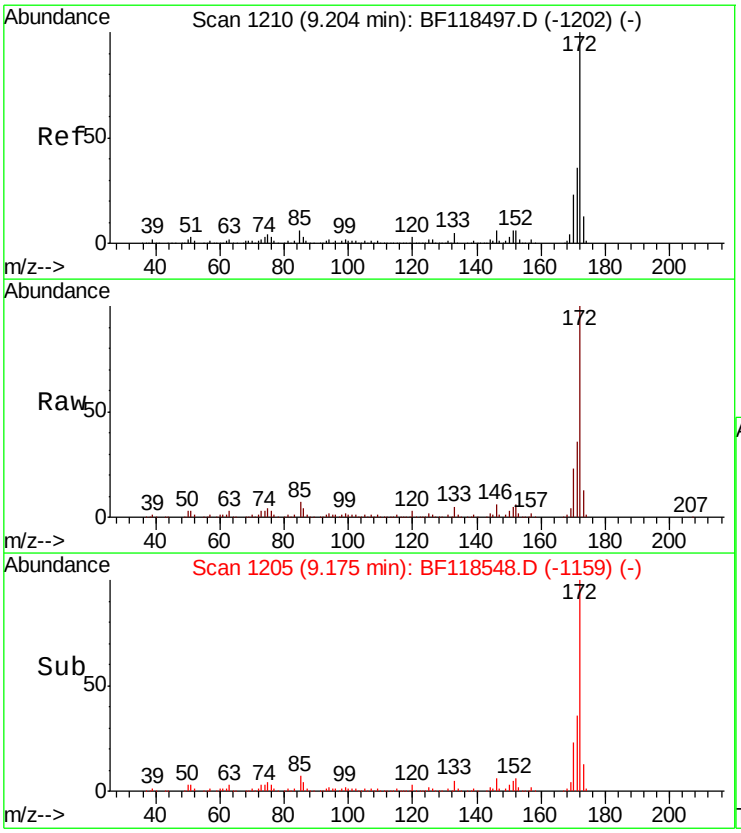
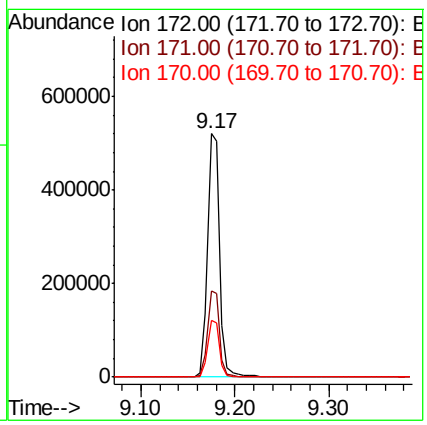


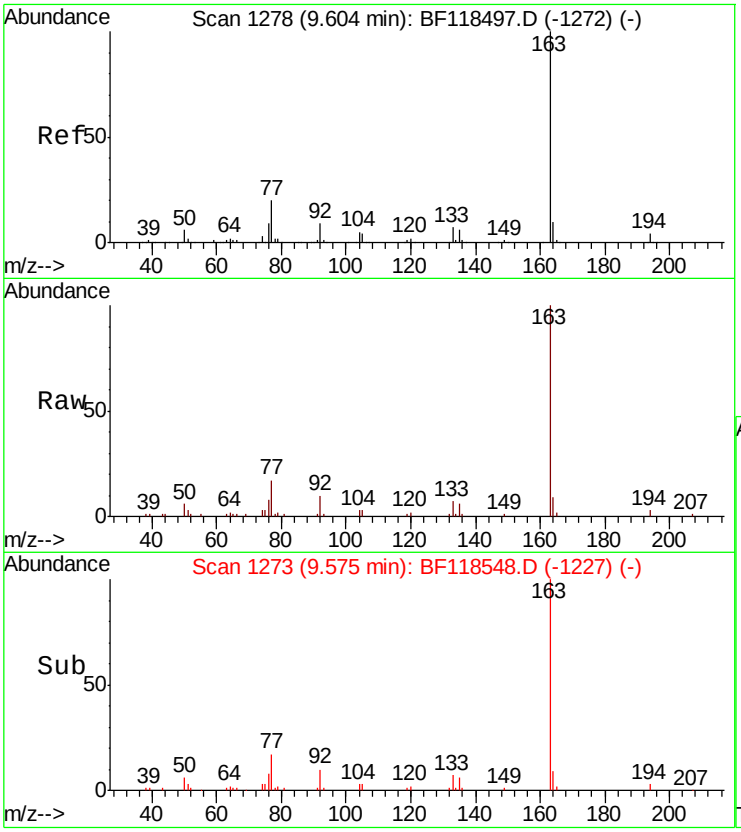


#45
2-Fluorobiphenyl
Concen: 28.905 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:172 Resp: 473392

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.6	27.8





#50
Dimethylphthalate
Concen: 2.089 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:163 Resp: 37662

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	9.5	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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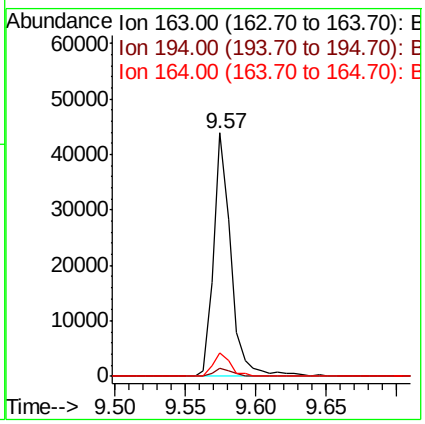
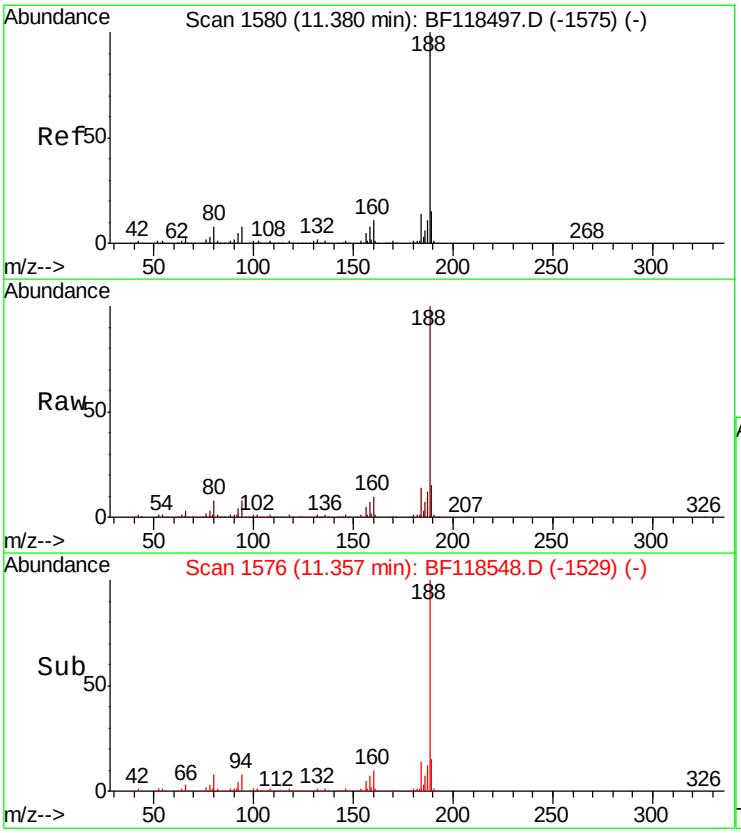
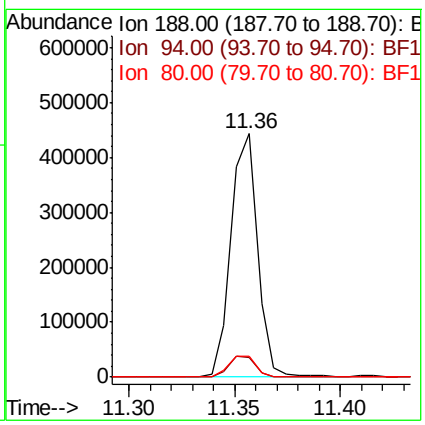


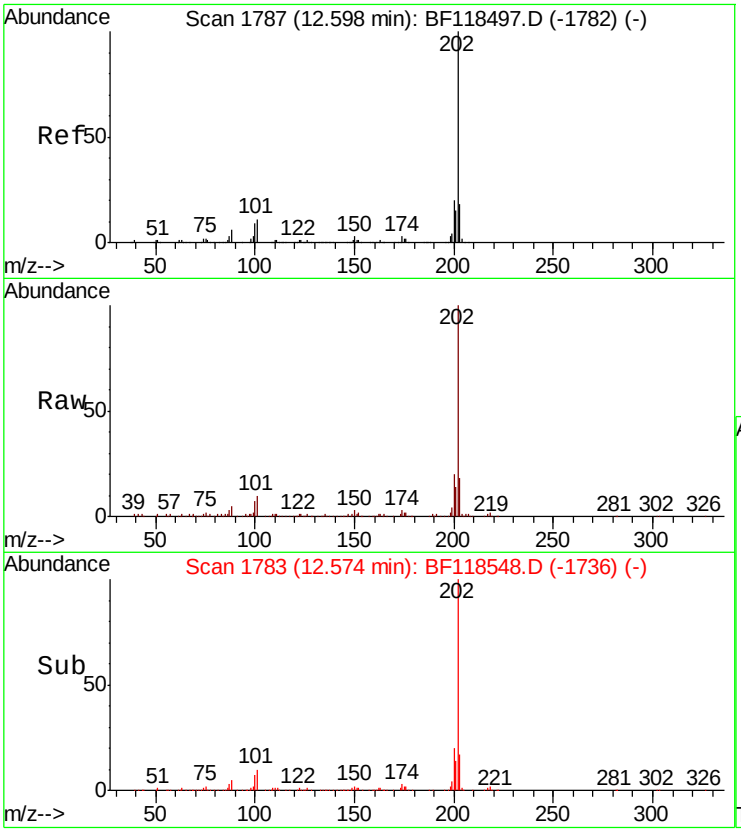


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:188 Resp: 385534

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.2	9.4
80	8.5	6.6	10.0





#75
Fluoranthene
Concen: 6.322 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:202 Resp: 138780

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	17.6	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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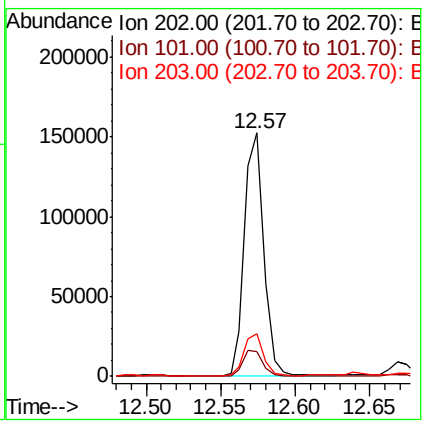
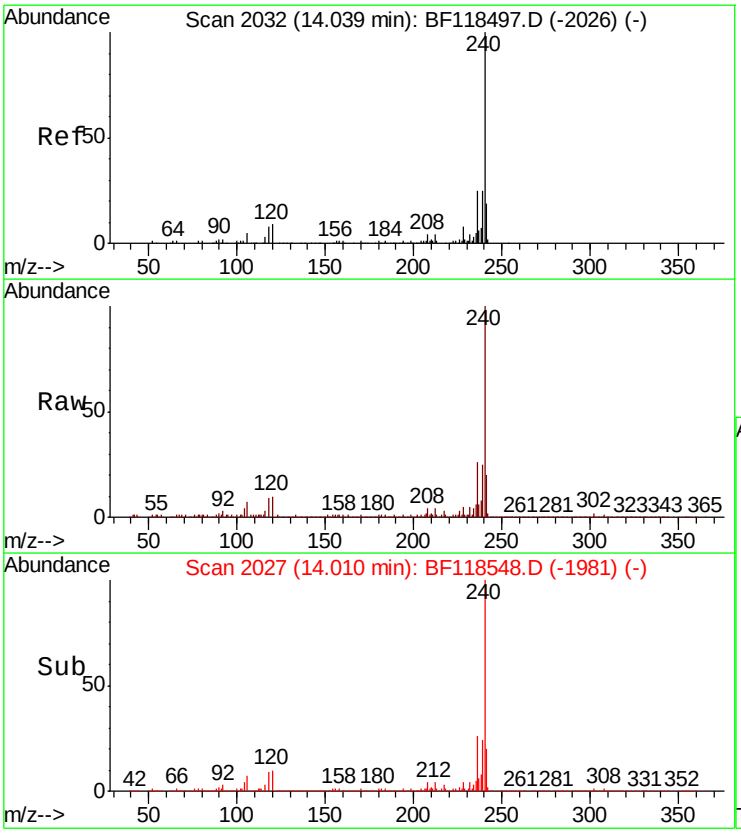
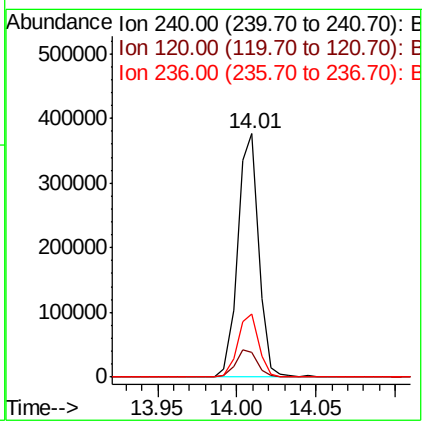


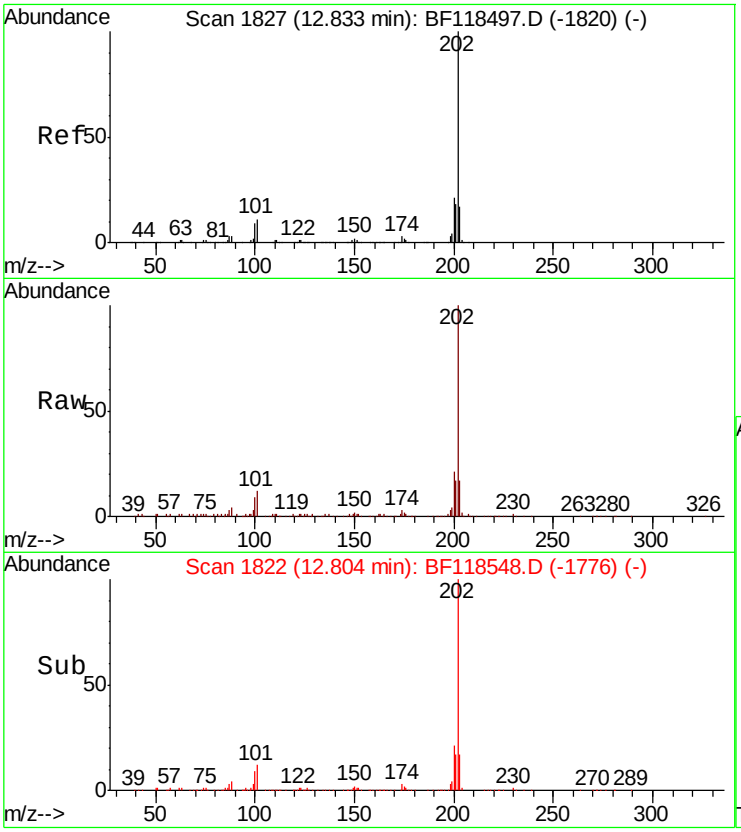


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:240 Resp: 345318

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.0	10.6
236	26.0	20.1	30.1





#78
Pyrene
Concen: 4.452 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:202 Resp: 126487

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.3	13.9	20.9

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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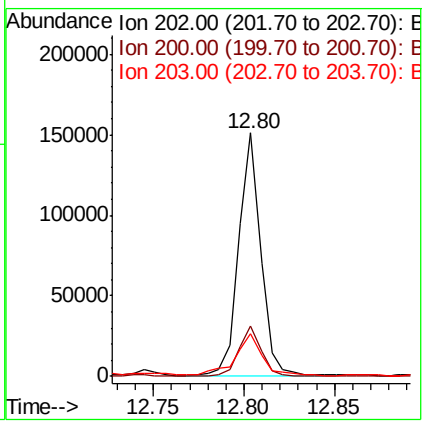
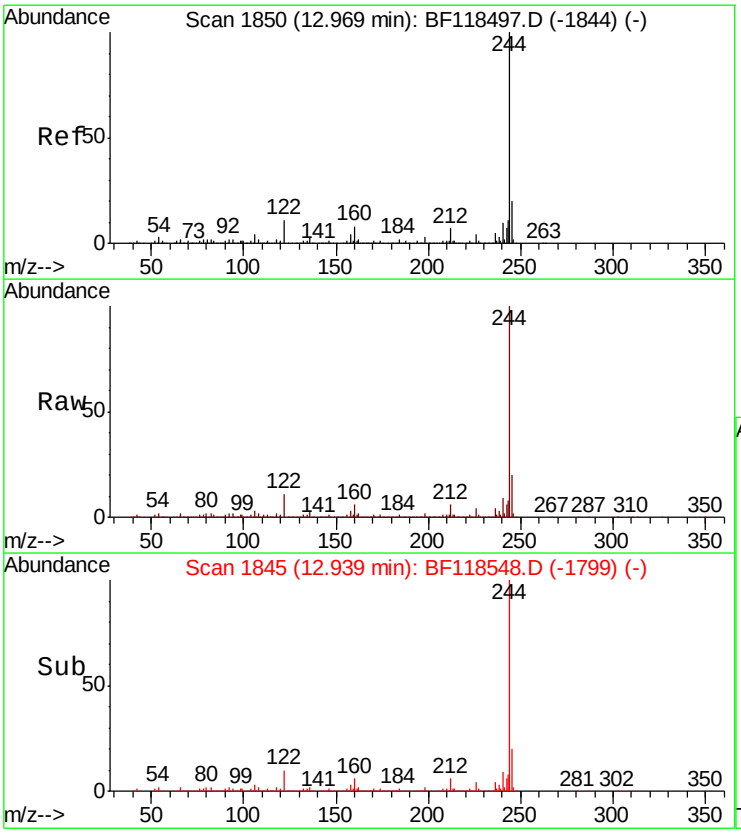
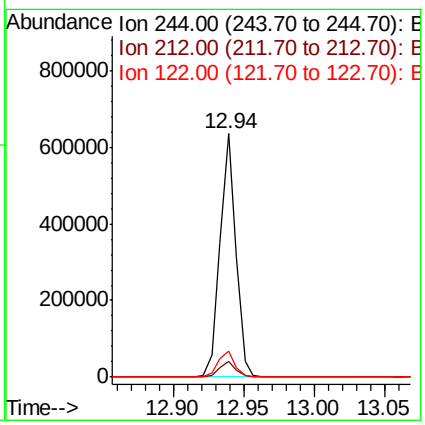


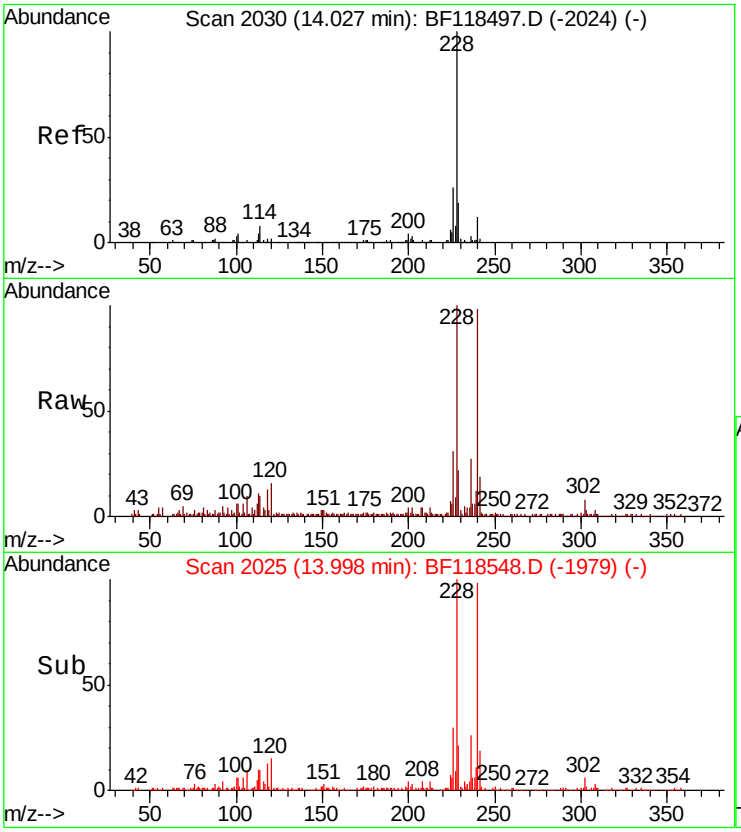


#79
Terphenyl-d14
Concen: 22.939 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:244 Resp: 499871

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.6	9.0	13.6





#81
Benzo(a)anthracene
Concen: 4.101 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:228 Resp: 99122

Ion	Ratio	Lower	Upper
228	100		
226	30.9	20.7	31.1
229	21.6	15.4	23.2

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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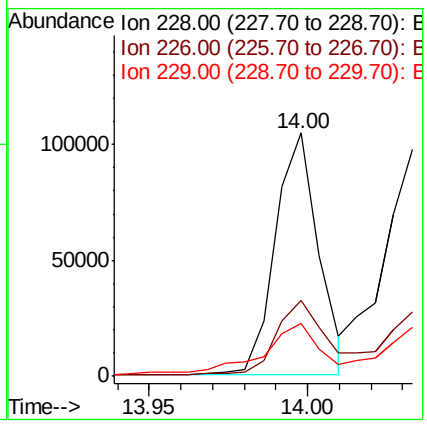
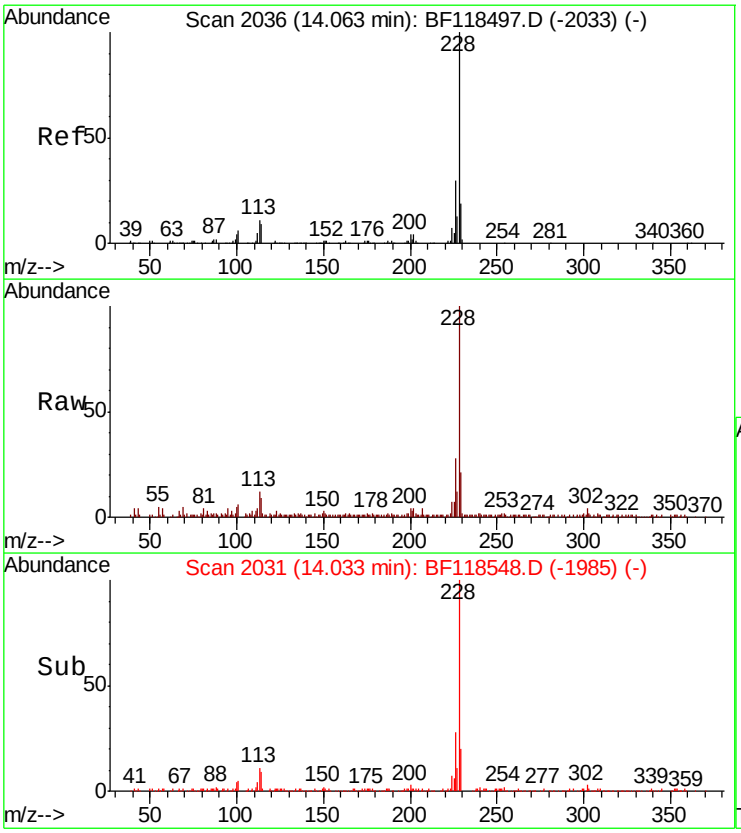
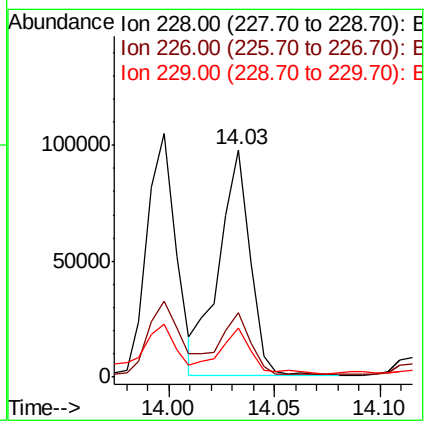


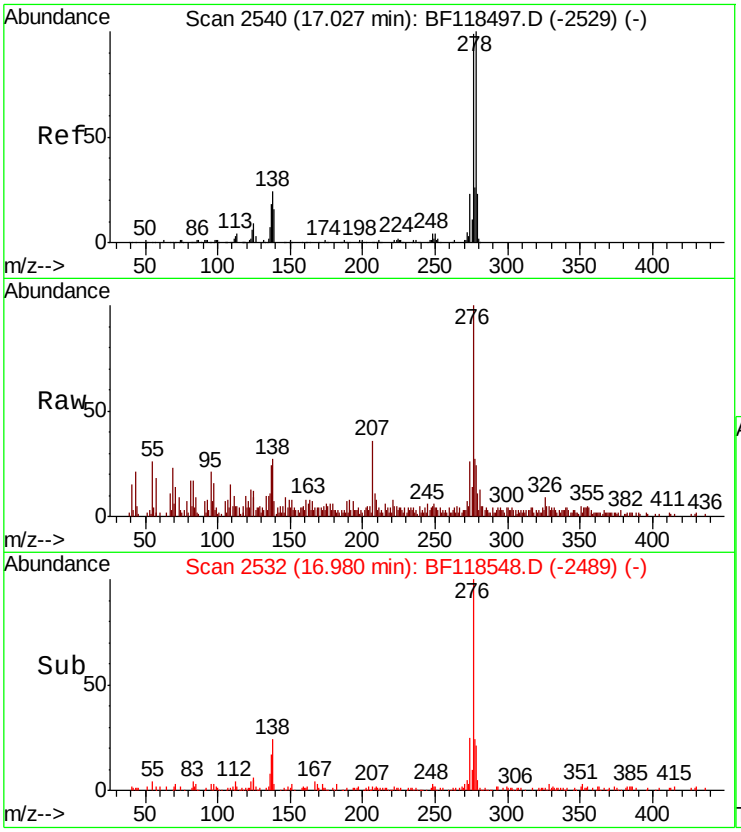


#83
Chrysene
Concen: 4.227 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:228 Resp: 99293

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.6	35.4
229	21.3	15.6	23.4





#86
Indeno(1,2,3-cd)pyrene
Concen: 2.454 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.05 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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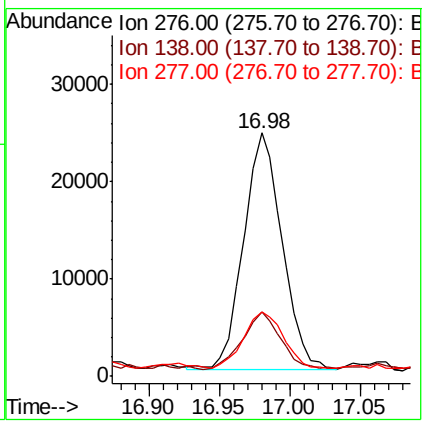
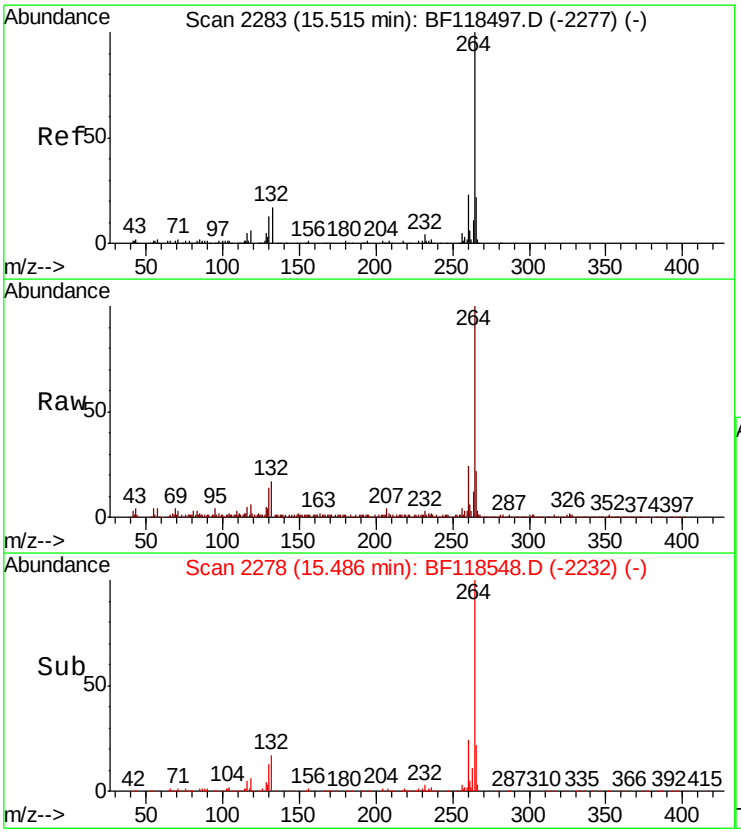
Tgt Ion:276 Resp: 46404

Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.0	28.4
277	25.2	20.5	30.7

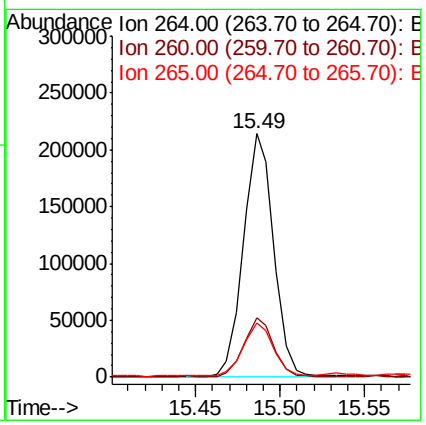


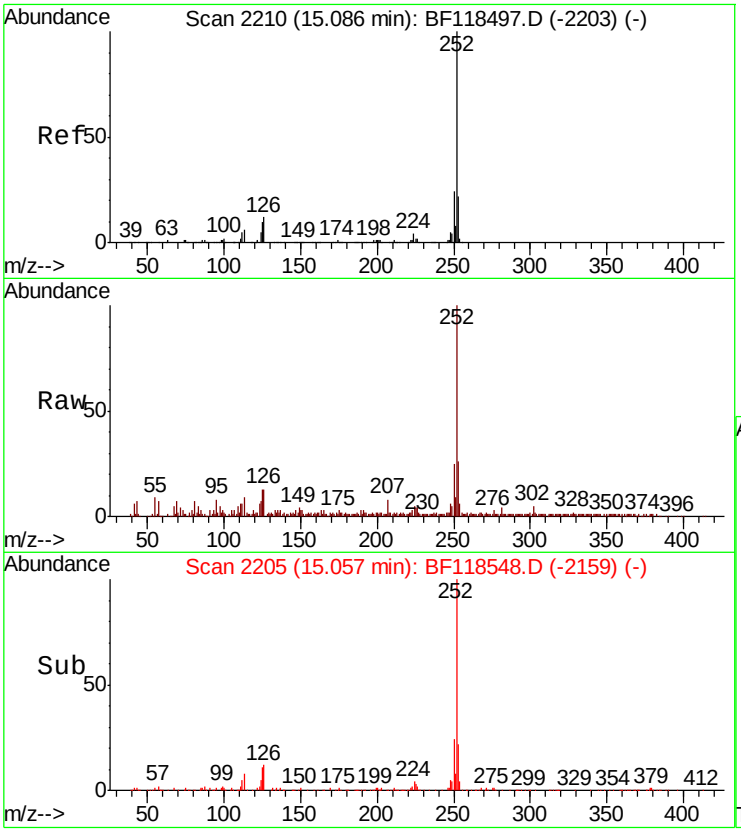


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:264 Resp: 265167

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.1	17.5	26.3





#88
Benzo(b)fluoranthene
Concen: 6.936 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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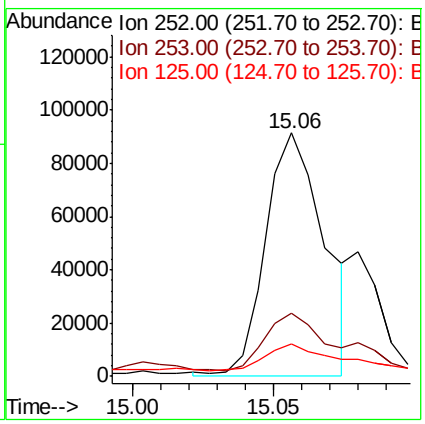
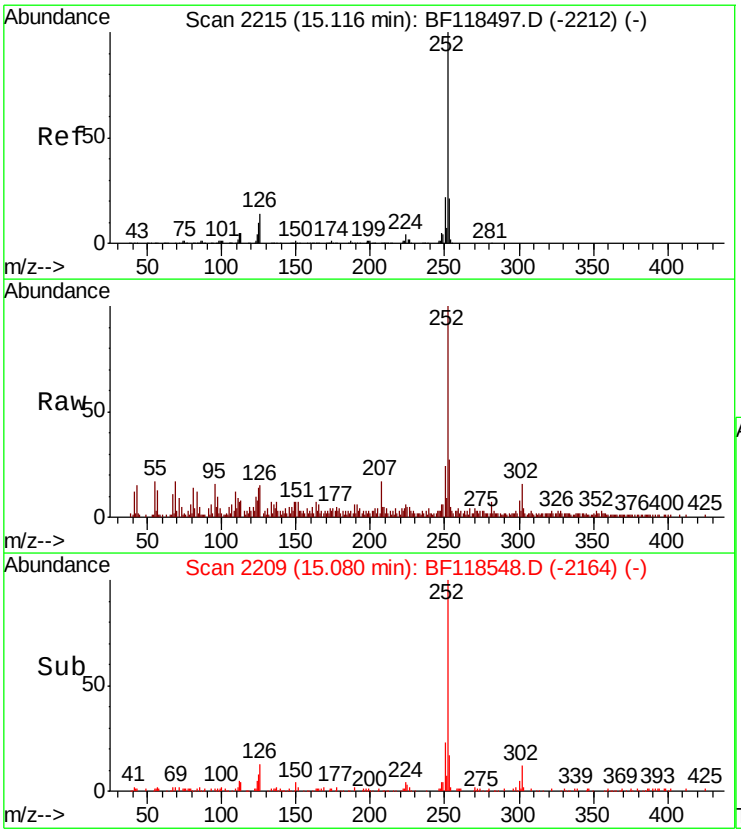
1/14/2020 2:32:05 PM

Tgt Ion:252 Resp: 132970

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.6	26.4
125	13.3	7.8	11.6#

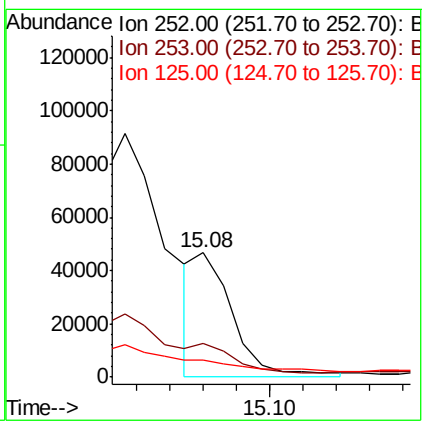


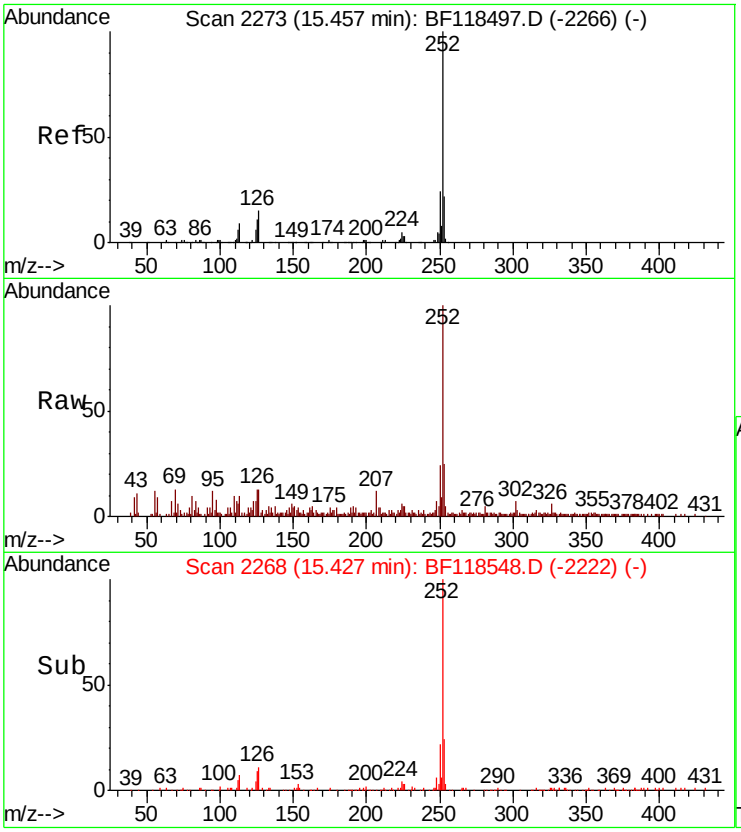


#89
Benzo(k)fluoranthene
Concen: 2.025 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:252 Resp: 37047

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.0	25.4#
125	13.9	7.8	11.6#





#90
Benzo(a)pyrene
Concen: 4.517 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:252 Resp: 70966

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	13.4	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
BW-2-3.0

Manual Integrations APPROVED
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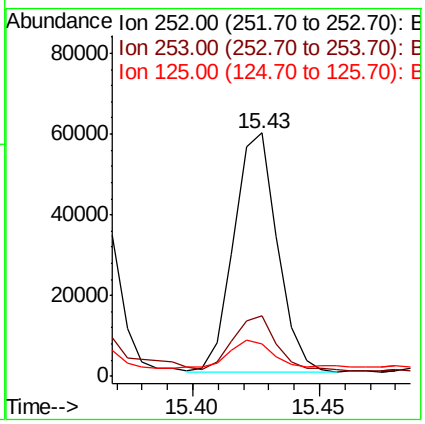
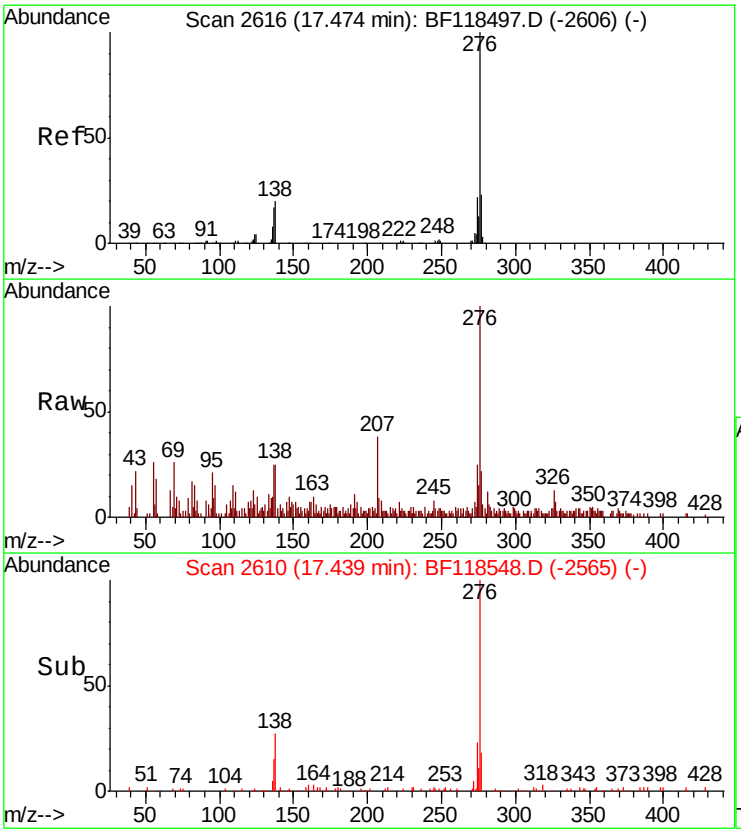
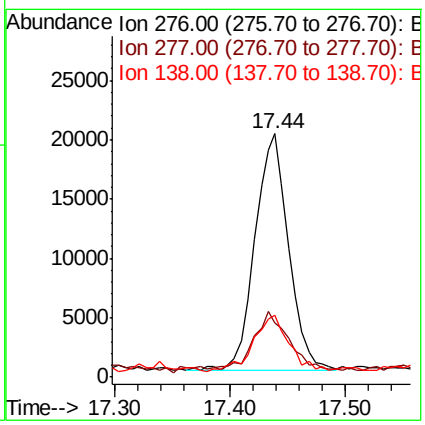
1/14/2020 2:32:05 PM





#92
Benzo(g,h,i)perylene
Concen: 2.924 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.04 min
Lab File: BF118548.D
Acq: 13 Jan 2020 23:26

Tgt Ion:276 Resp: 40820

Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.2	27.4
138	25.2	16.3	24.5#