Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118009.D
Acq On : 26 Nov 2019 16:10
Operator : JU
Sample : K5973-07DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Manual Integrations APPROVED
jagrut
11/27/2019 11:33:37 PM

Quant Time: Nov 26 17:24:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	114524	20.00	ng		0.00
21) Naphthalene-d8	8.18	136	518275	20.00	ng		0.00
39) Acenaphthene-d10	9.95	164	212907	20.00	ng		0.00
64) Phenanthrene-d10	11.44	188	406711	20.00	ng		0.00
76) Chrysene-d12	14.09	240	198535	20.00	ng		0.00
87) Perylene-d12	15.60	264	189876	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	133386	20.62	ng		0.00
7) Phenol-d6	6.51	99	174973	22.42	ng		-0.01
23) Nitrobenzene-d5	7.45	82	115576	13.26	ng		-0.01
42) 2,4,6-Tribromophenol	10.73	330	43993	19.52	ng		0.00
45) 2-Fluorobiphenyl	9.26	172	224499	18.92	ng		0.00
79) Terphenyl-d14	13.03	244	136311	12.55	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.65	163	44753	2.998	ng		98
71) Phenanthrene	11.46	178	562432	27.505	ng		98
72) Anthracene	11.52	178	125072	6.169	ng		97
75) Fluoranthene	12.66	202	617580	30.790	ng		98
78) Pyrene	12.89	202	764664	47.658	ng		98
81) Benzo(a)anthracene	14.08	228	252860	19.274	ng		99
83) Chrysene	14.12	228	219278	17.249	ng		98
86) Indeno(1,2,3-cd)pyrene	17.13	276	120720	11.157	ng	#	93
88) Benzo(b)fluoranthene	15.15	252	242264m	19.638	ng		
89) Benzo(k)fluoranthene	15.17	252	77821m	6.695	ng		
90) Benzo(a)pyrene	15.53	252	202193	18.639	ng		99
91) Dibenzo(a,h)anthracene	17.13	278	30670m	3.285	ng		
92) Benzo(g,h,i)perylene	17.59	276	124715	13.410	ng		97

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

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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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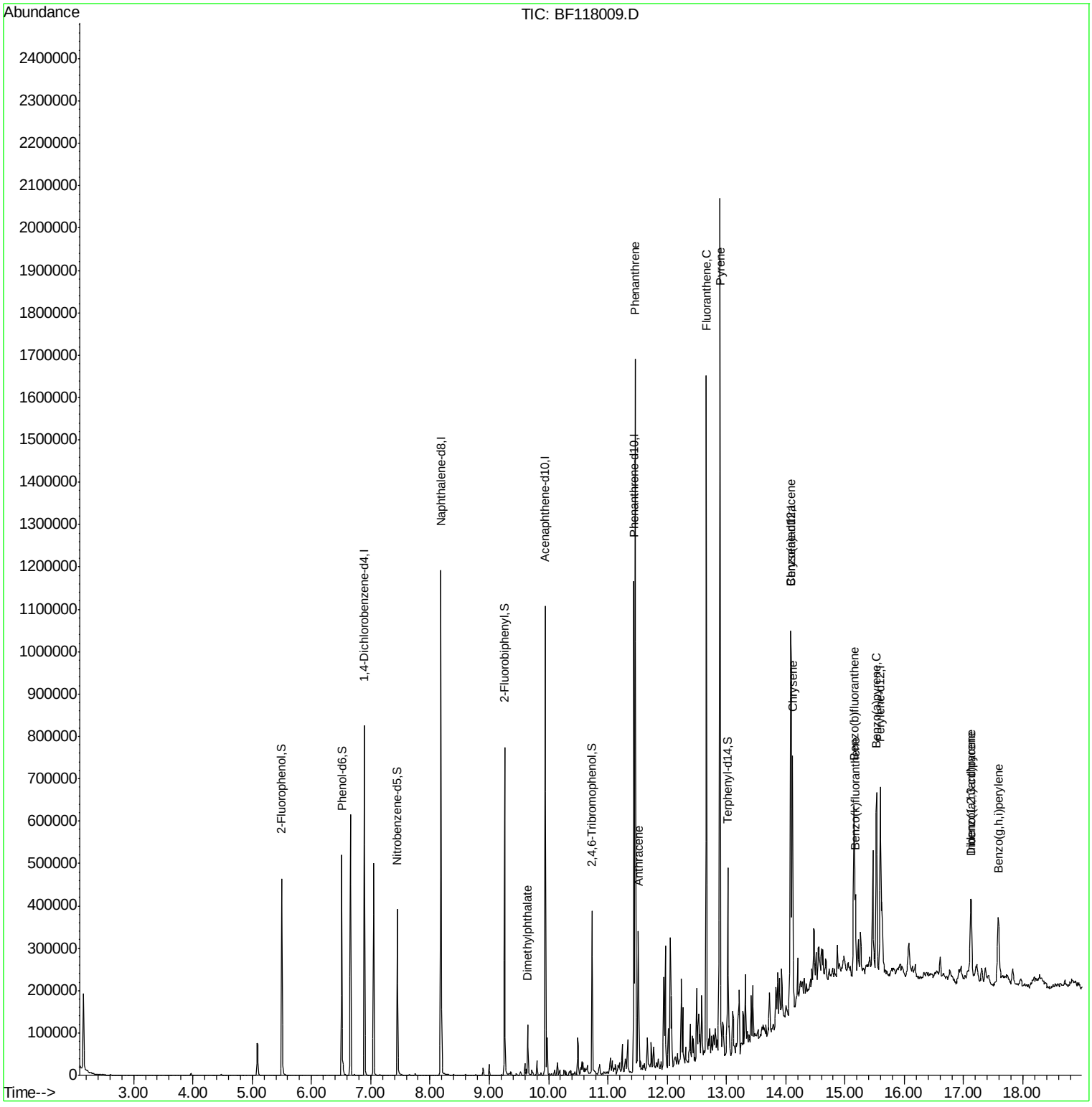
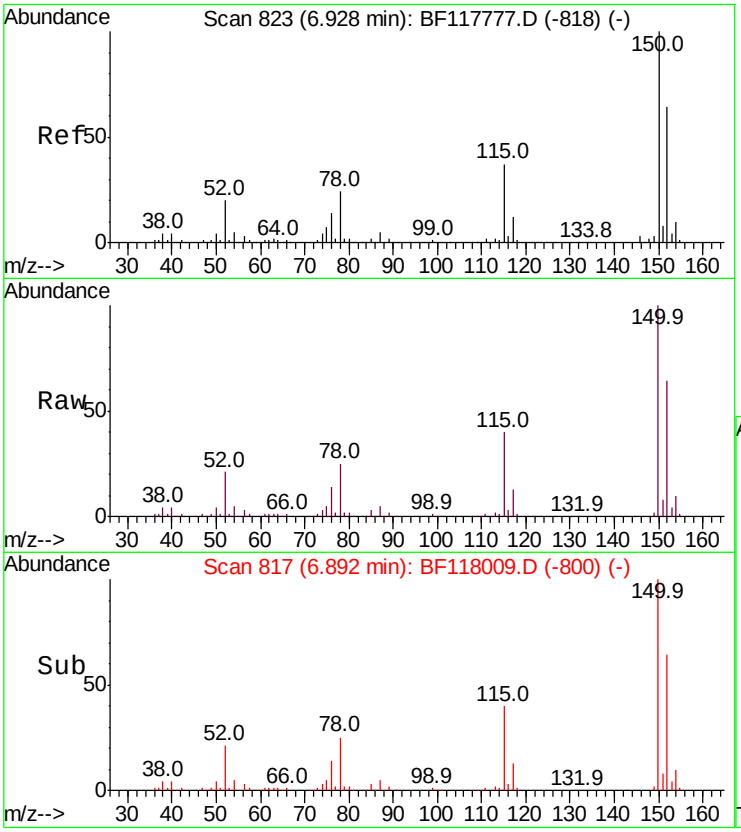
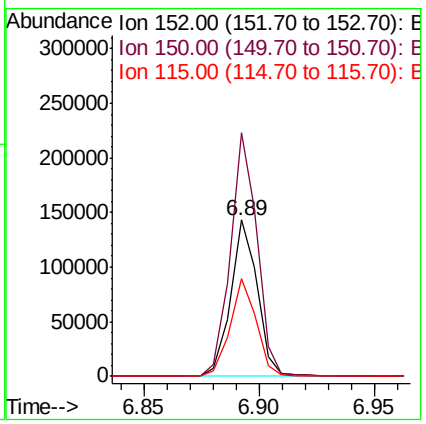




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:152 Resp: 114524

Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.3	187.9
115	62.5	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
TP-7DL

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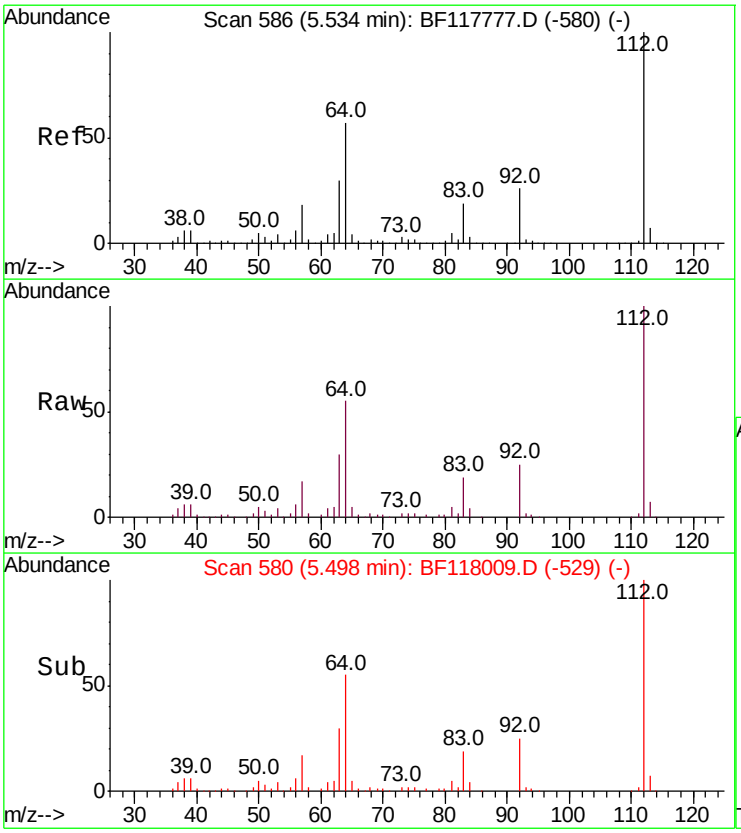
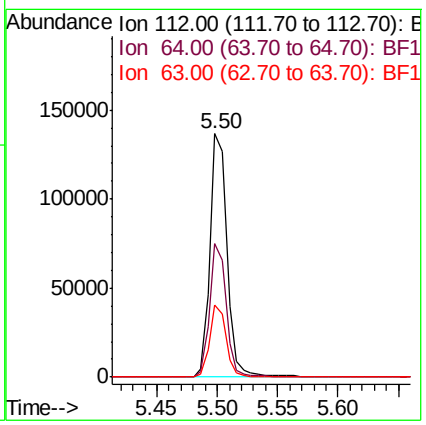
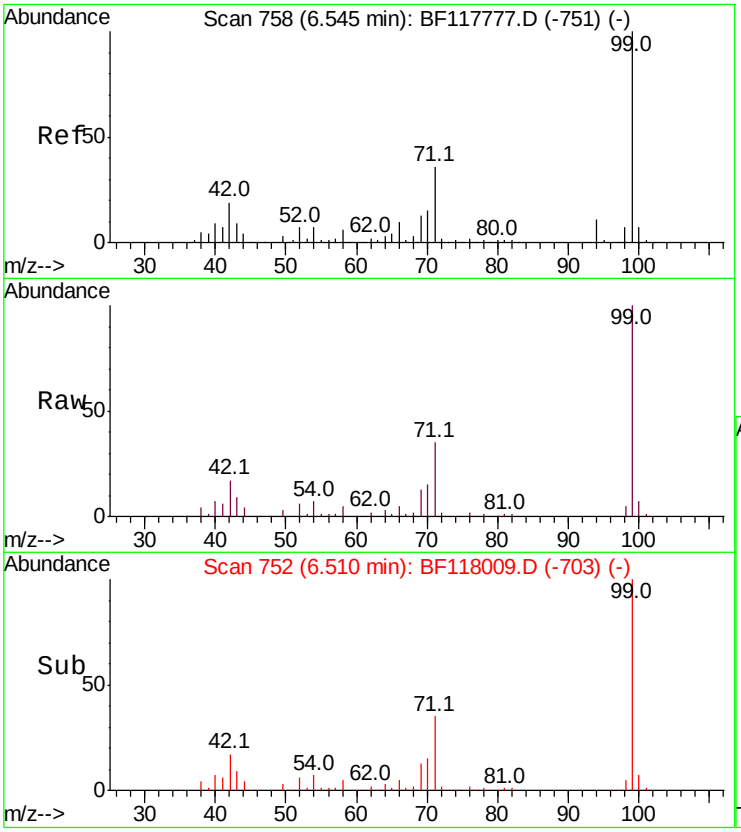


#5
2-Fluorophenol
Concen: 20.616 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:112 Resp: 133386

Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.6	68.4
63	29.6	24.1	36.1

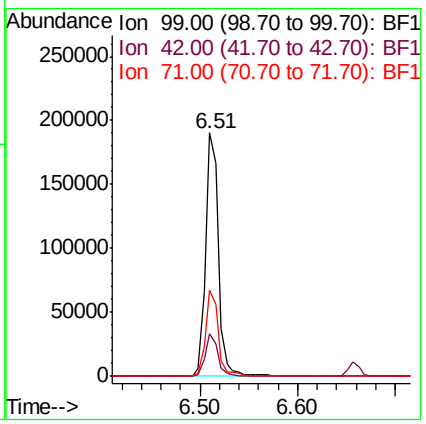




#7
Phenol-d6
Concen: 22.422 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion: 99 Resp: 174973

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.9	22.3
71	35.4	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
TP-7DL

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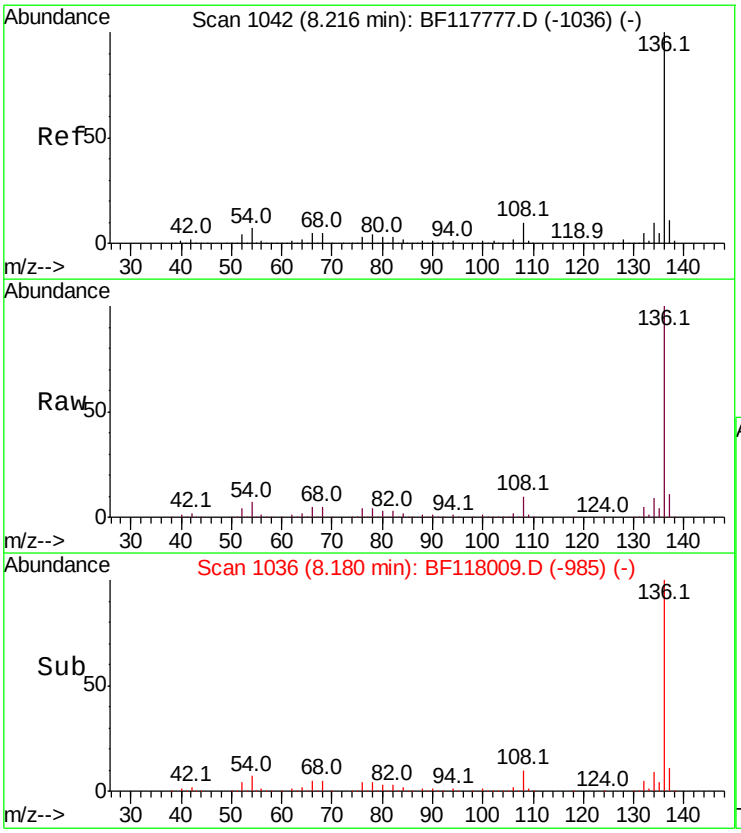
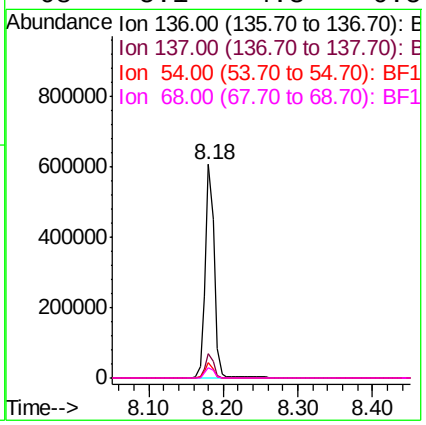
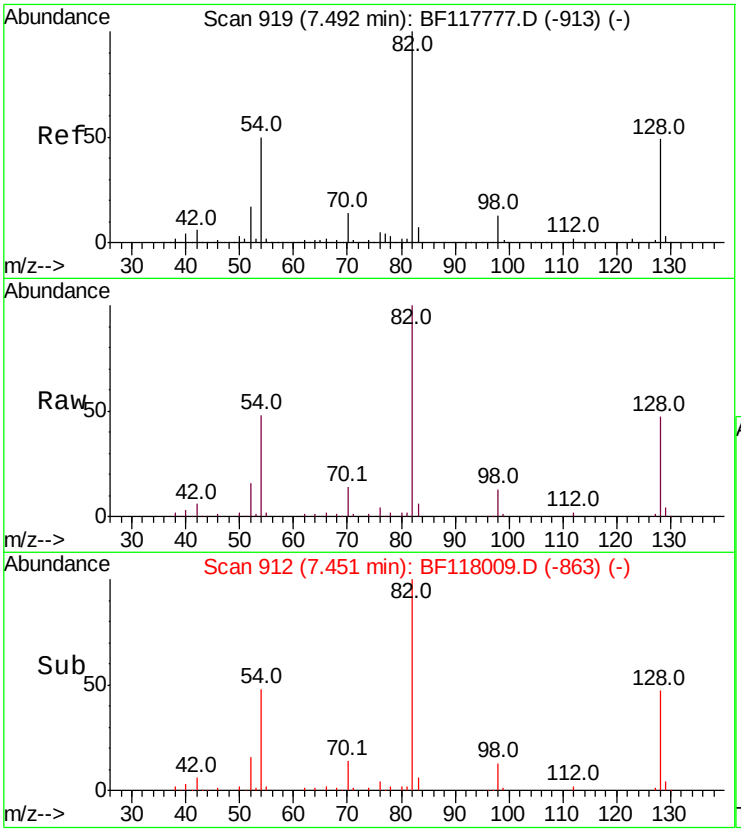


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:136 Resp: 518275

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.0	5.4	8.2
68	5.1	4.3	6.5

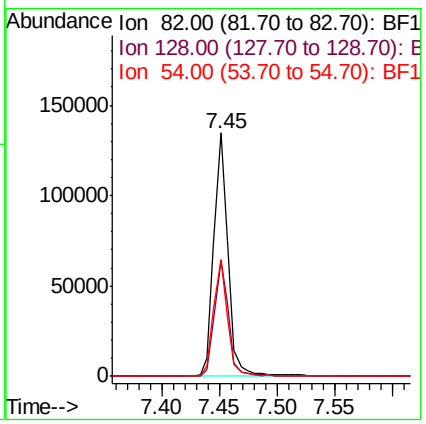




#23
Nitrobenzene-d5
Concen: 13.257 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion: 82 Resp: 115576

Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.9	58.3
54	47.8	39.8	59.6



Instrument :
BNA_F
ClientSampleId :
TP-7DL

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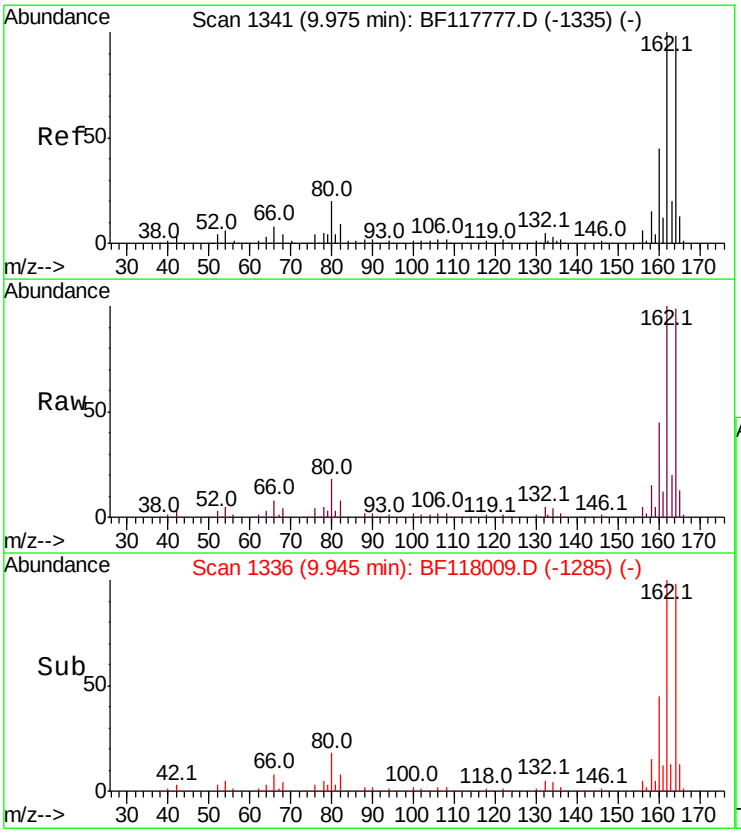
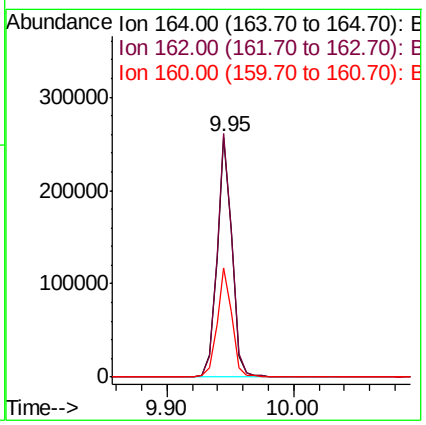
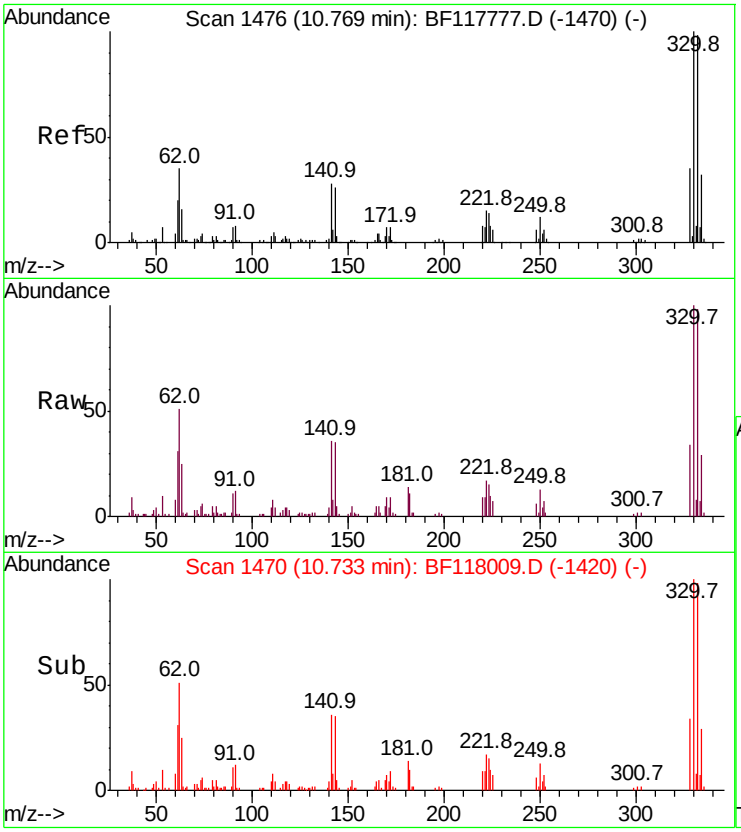


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:164 Resp: 212907

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.3	121.9
160	45.2	36.6	55.0

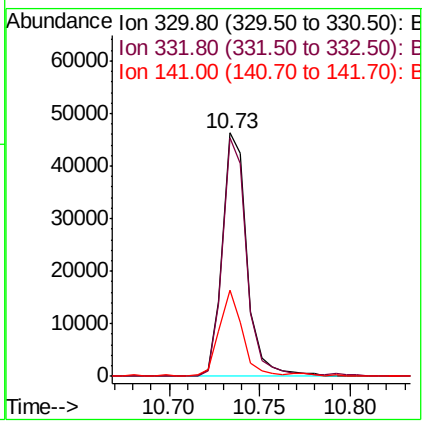




#42
2,4,6-Tribromophenol
Concen: 19.518 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:330 Resp: 43993

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.7	115.1
141	34.7	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
TP-7DL

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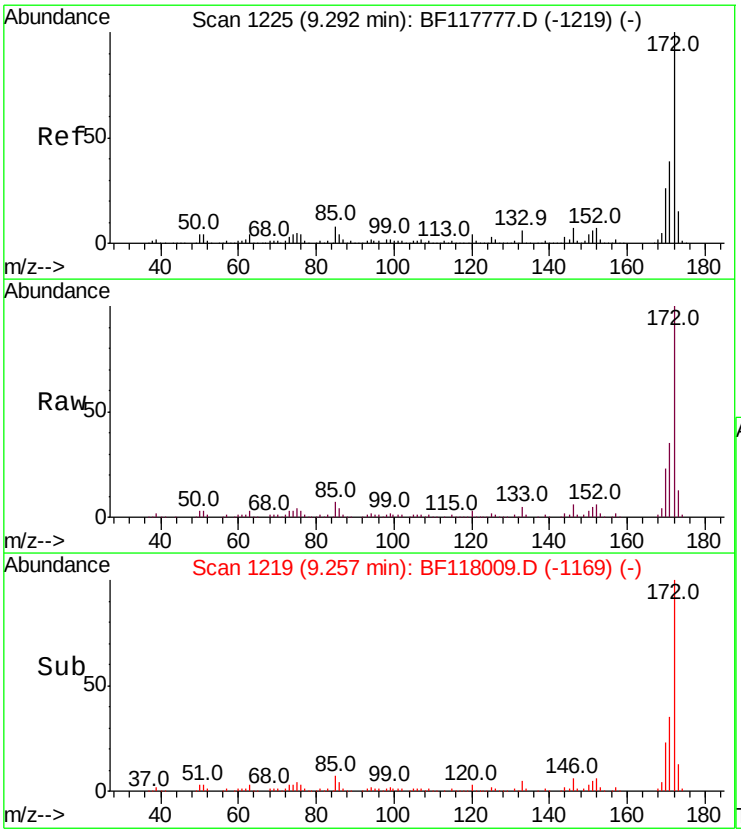
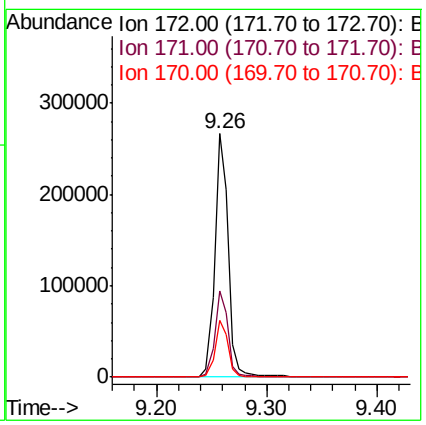
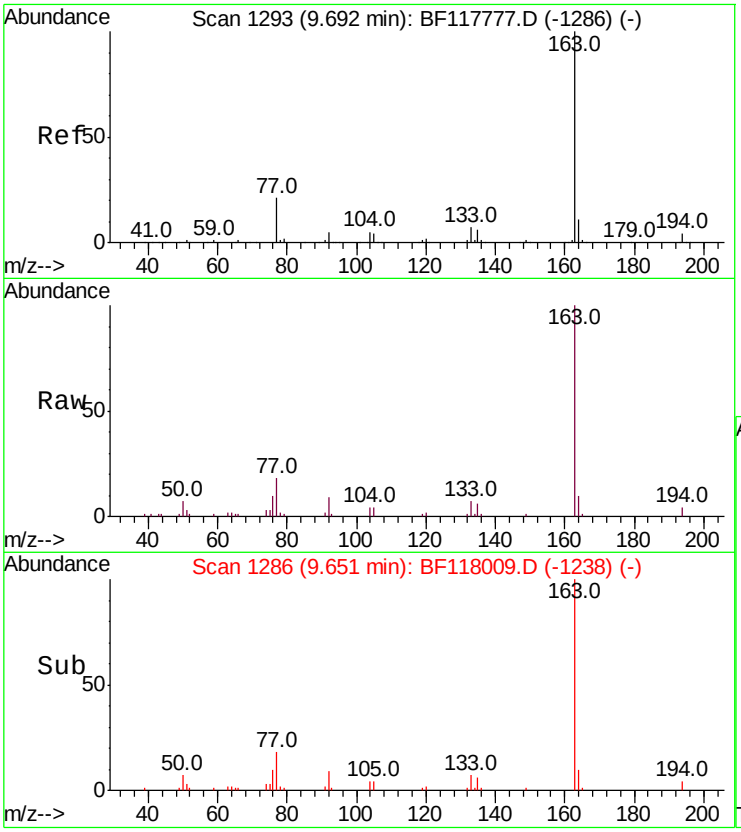


#45
2-Fluorobiphenyl
Concen: 18.917 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:172 Resp: 224499

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.9	46.3
170	23.1	21.0	31.4

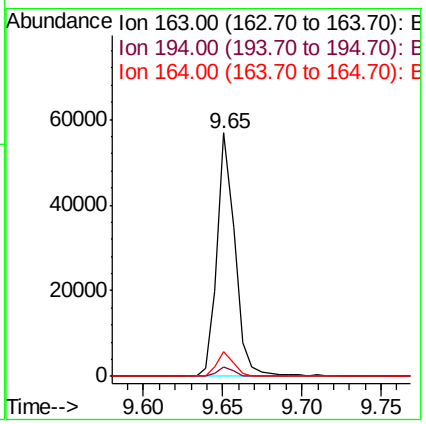




#50
Dimethylphthalate
Concen: 2.998 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:163 Resp: 44753

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	8.7	13.1



Instrument :
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ClientSampleId :
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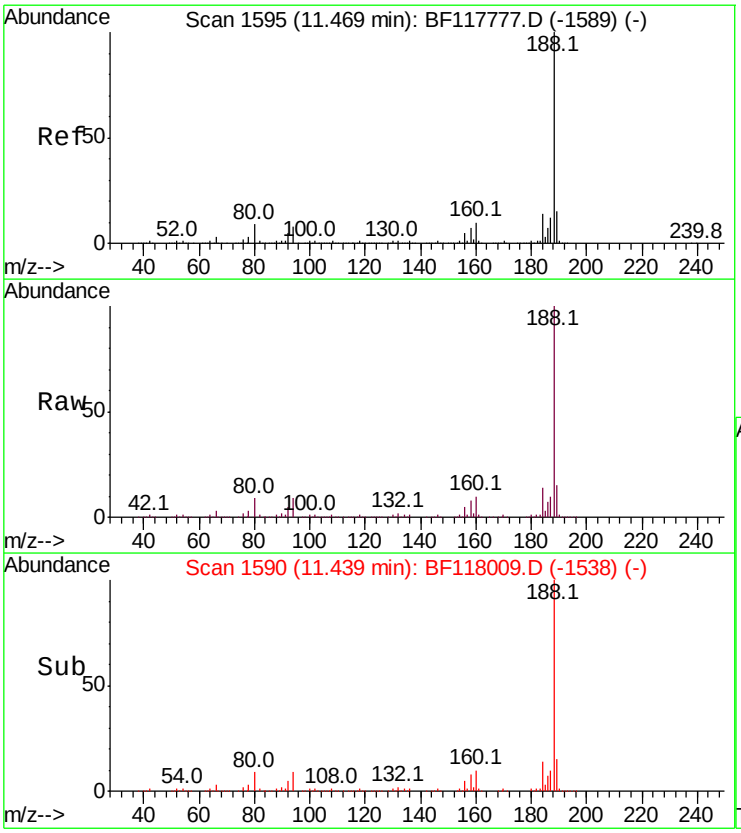
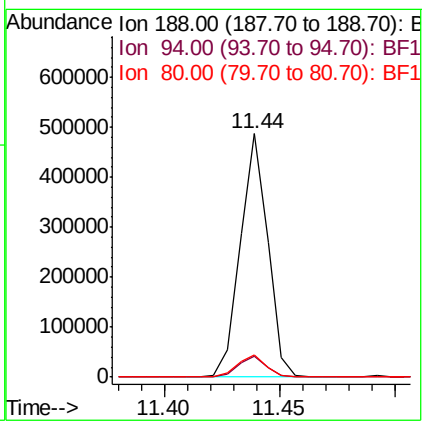
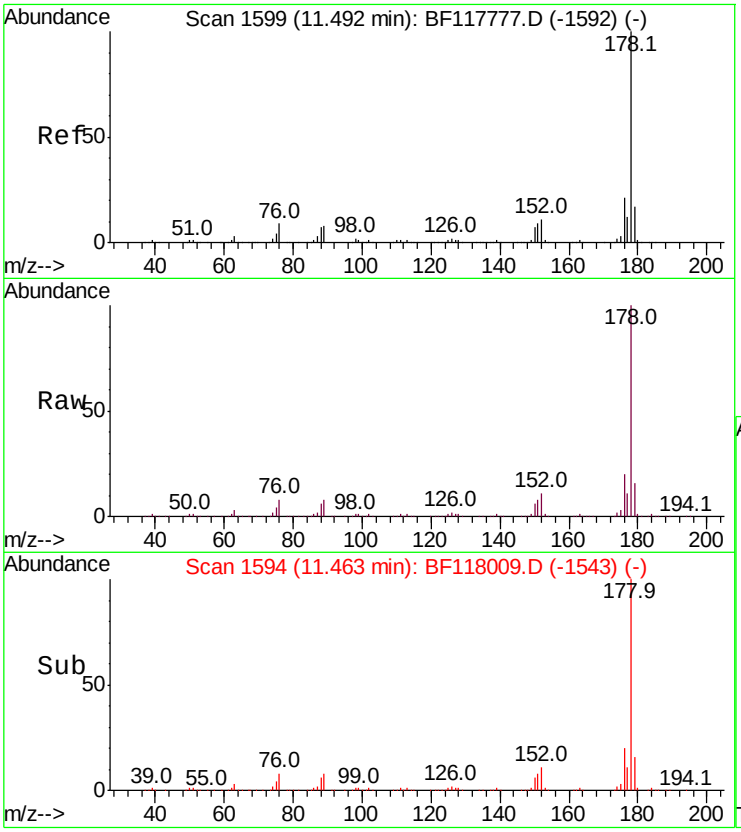


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:188 Resp: 406711

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.2	10.8

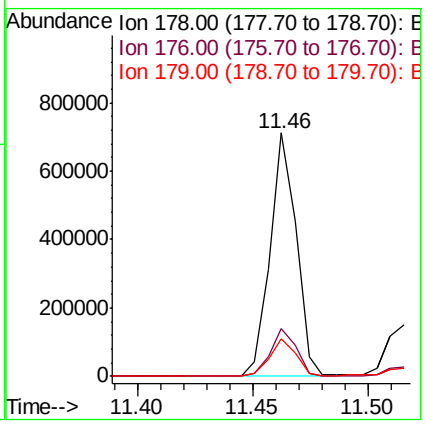




#71
Phenanthrene
Concen: 27.505 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:178 Resp: 562432

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.6	13.2	19.8



Instrument :
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ClientSampleId :
TP-7DL

Manual Integrations APPROVED
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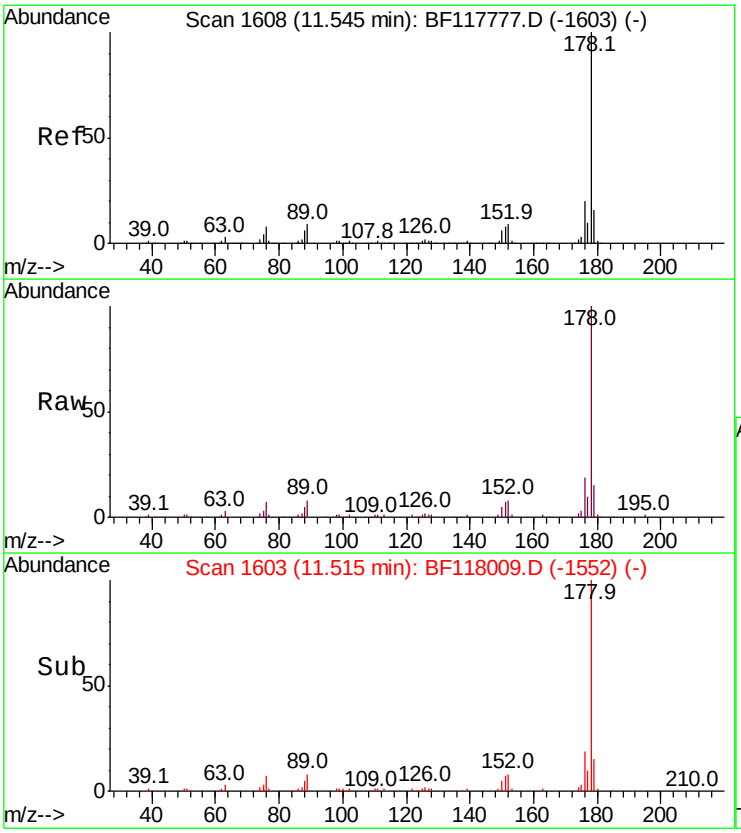
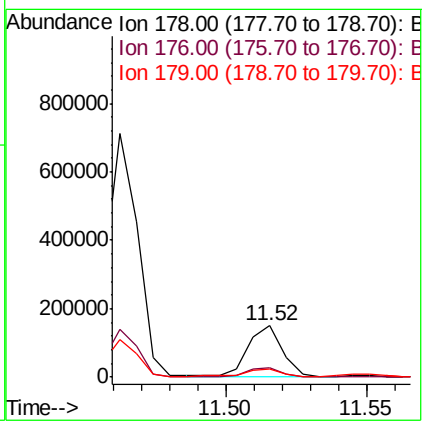
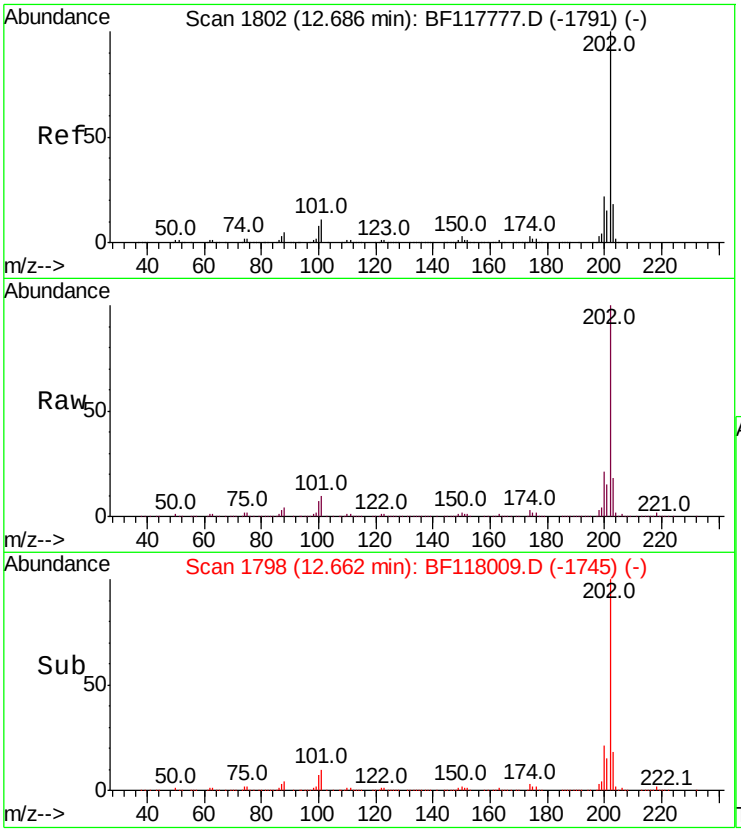


#72
Anthracene
Concen: 6.169 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:178 Resp: 125072

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.1	24.1
179	15.1	13.0	19.4

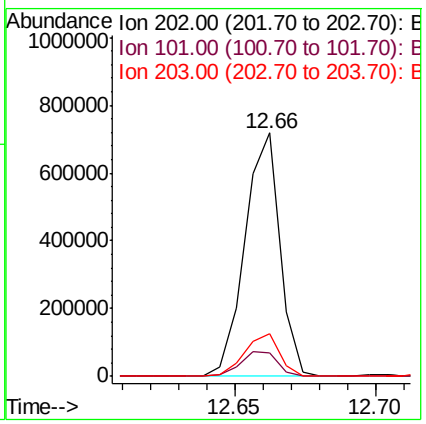




#75
Fluoranthene
Concen: 30.790 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:202 Resp: 617580

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.1
203	17.7	0.0	38.2



Instrument :
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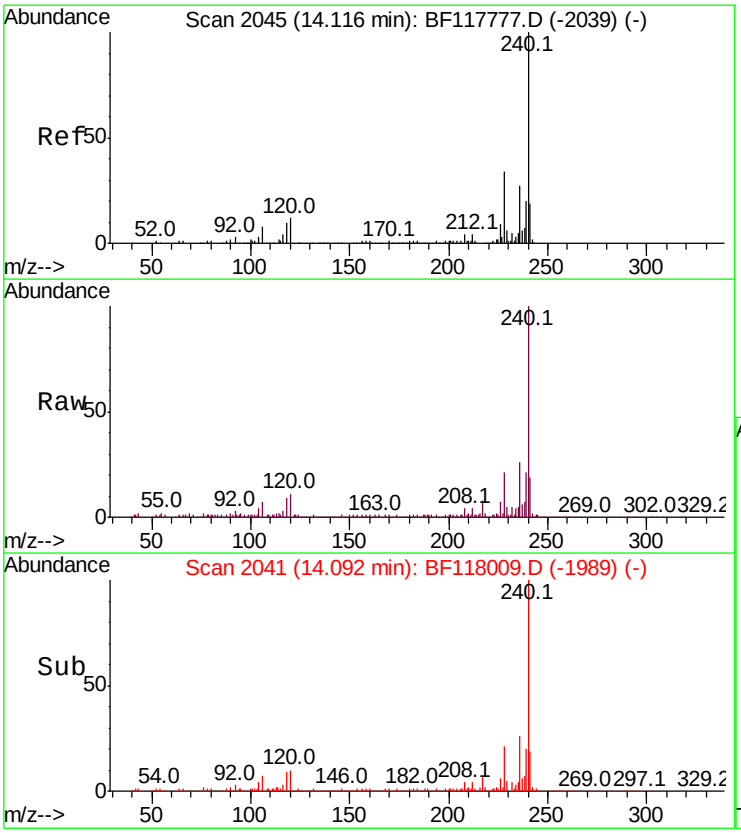
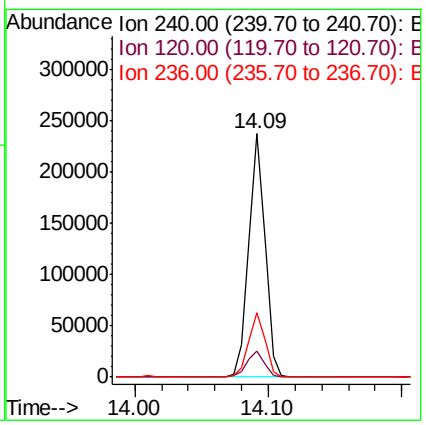
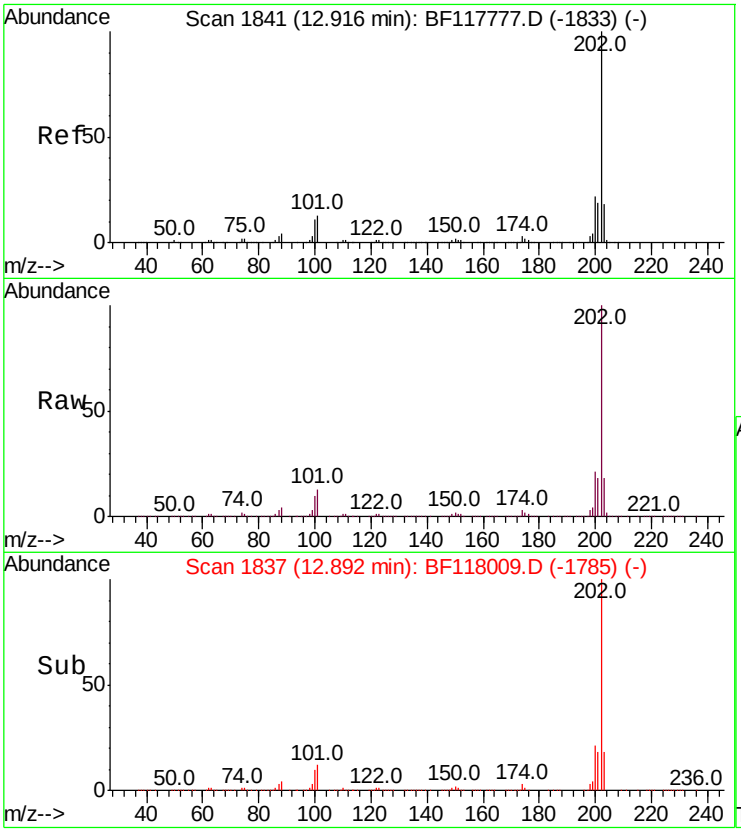


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:240 Resp: 198535

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.4	21.3	31.9

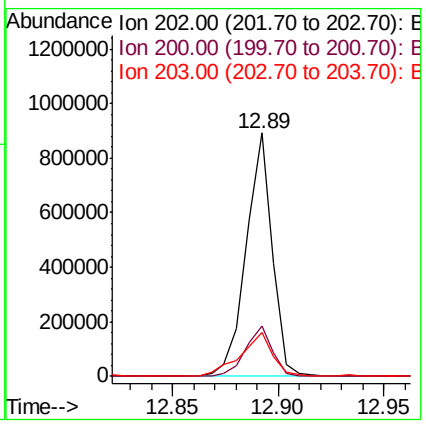




#78
Pyrene
Concen: 47.658 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:202 Resp: 764664

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.8
203	17.9	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
TP-7DL

Manual Integrations APPROVED
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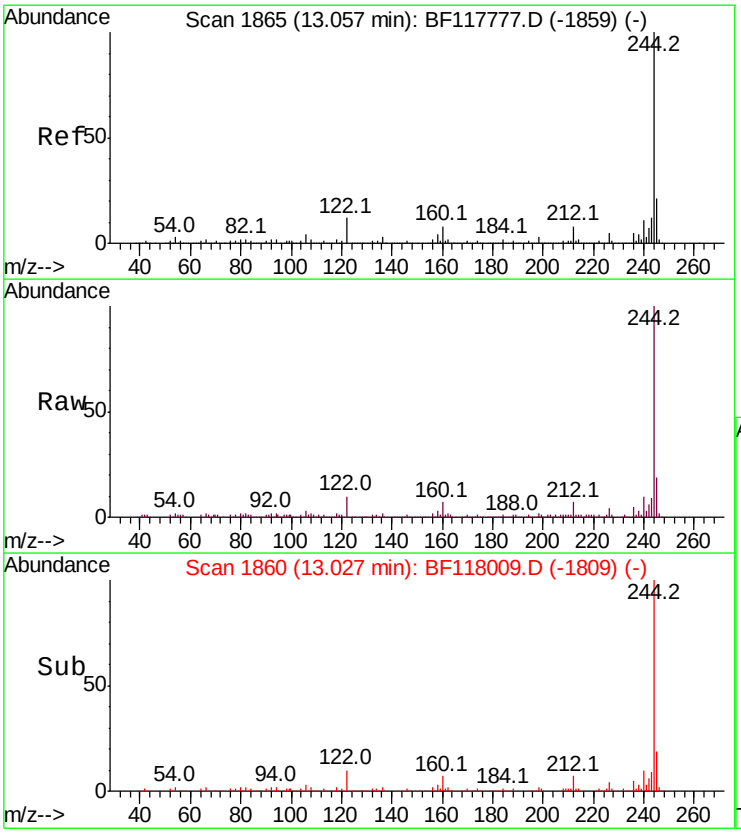
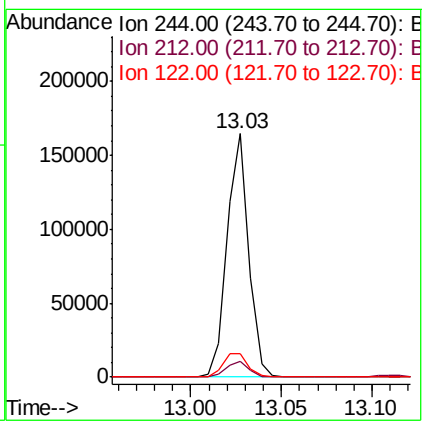
11/27/2019 11:33:37 PM

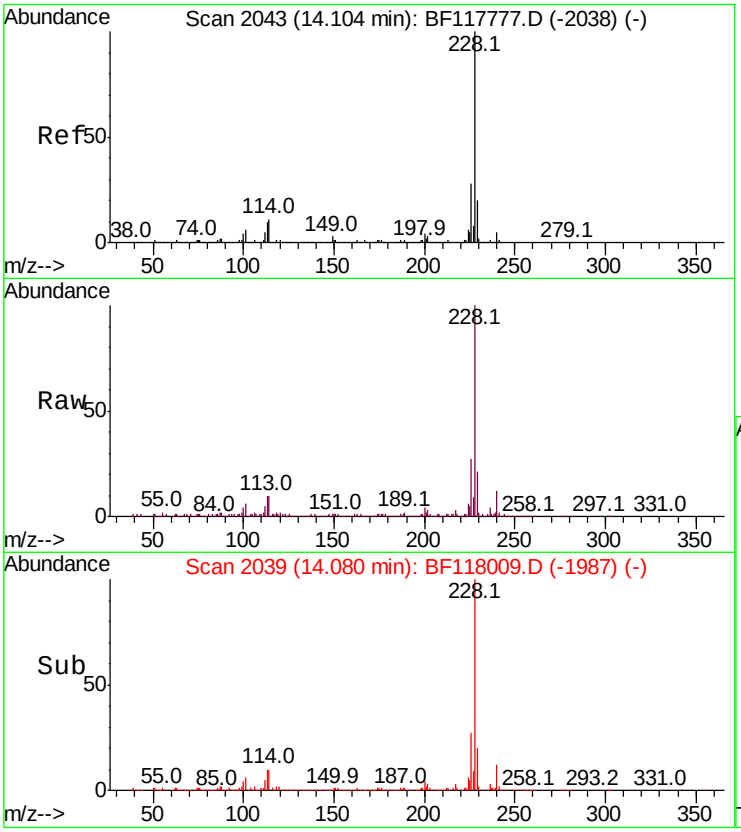


#79
Terphenyl-d14
Concen: 12.548 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:244 Resp: 136311

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	9.6	9.4	14.2

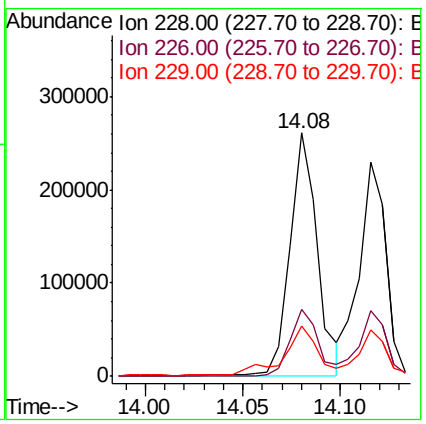




#81
Benzo(a)anthracene
Concen: 19.274 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:228 Resp: 252860

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.7	15.9	23.9



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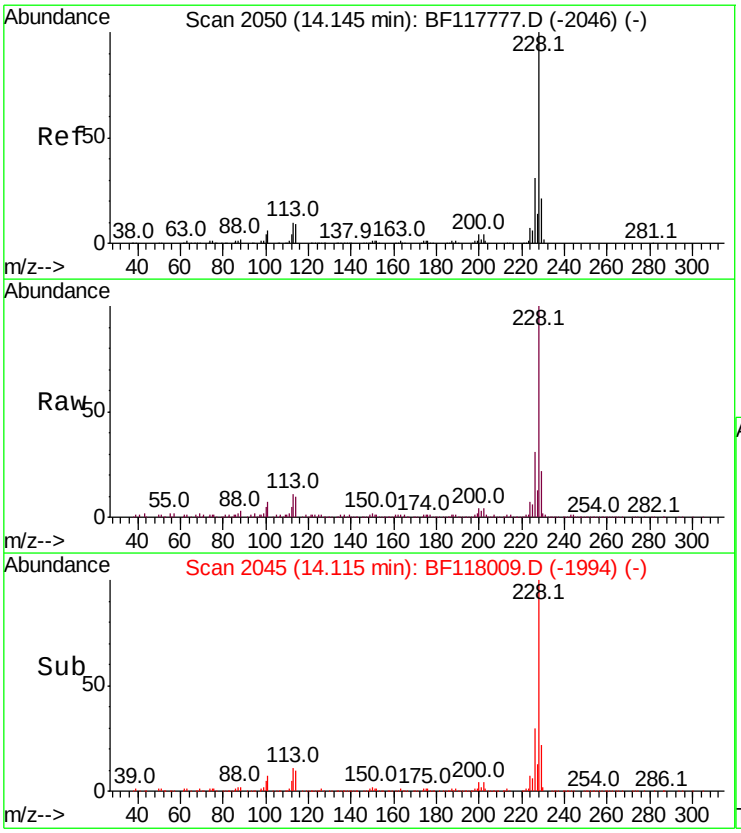
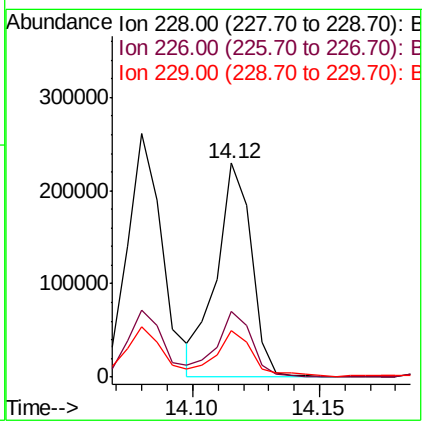
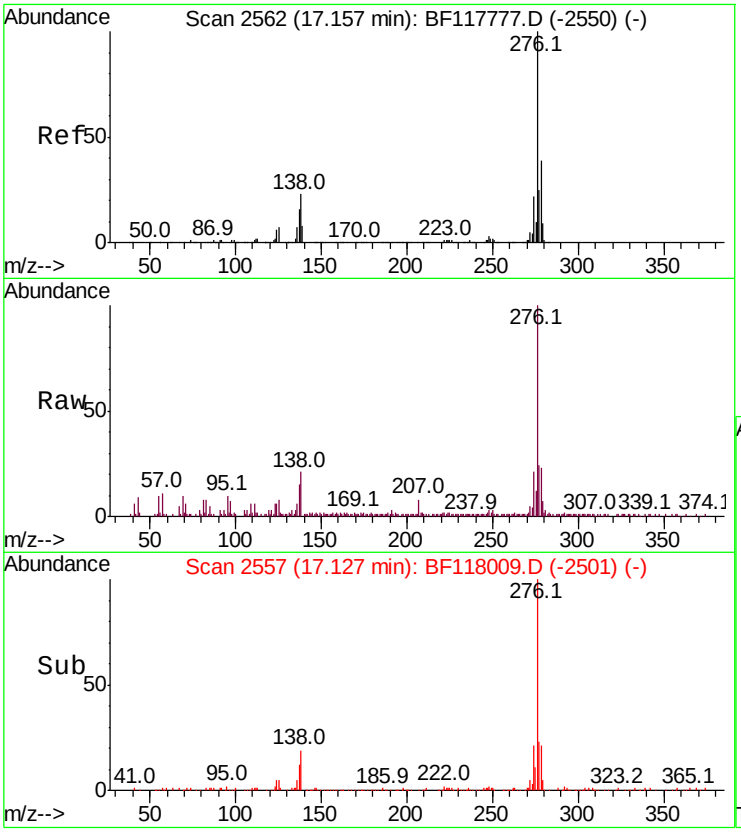


#83
Chrysene
Concen: 17.249 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:228 Resp: 219278

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	22.0	16.6	25.0

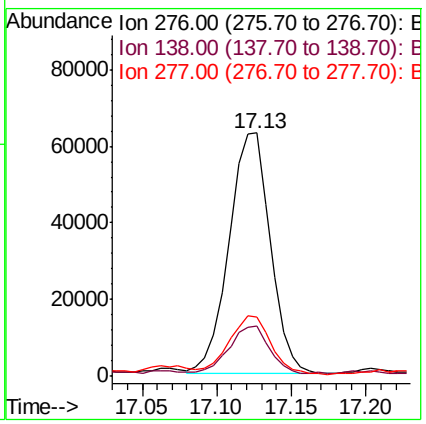




#86
Indeno(1,2,3-cd)pyrene
Concen: 11.157 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.03 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:276 Resp: 120720

Ion	Ratio	Lower	Upper
276	100		
138	19.7	20.9	31.3#
277	24.3	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
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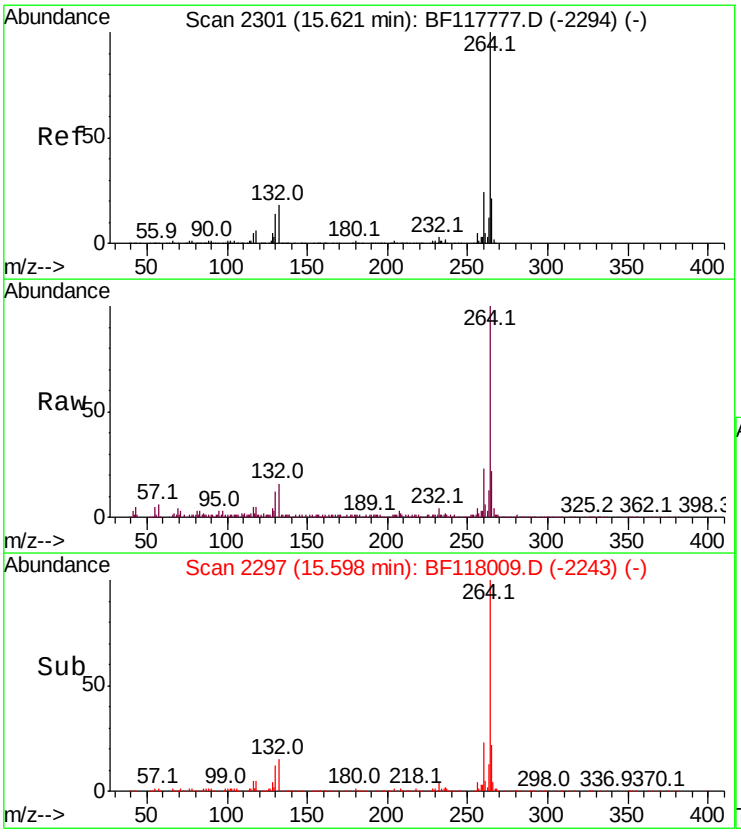
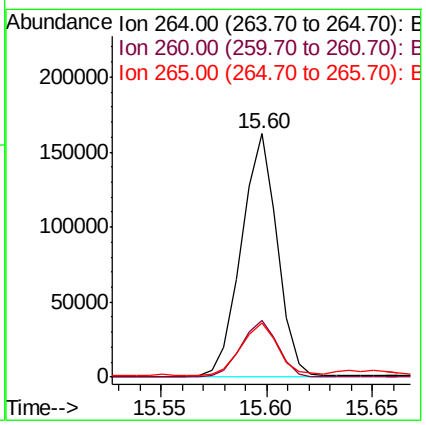
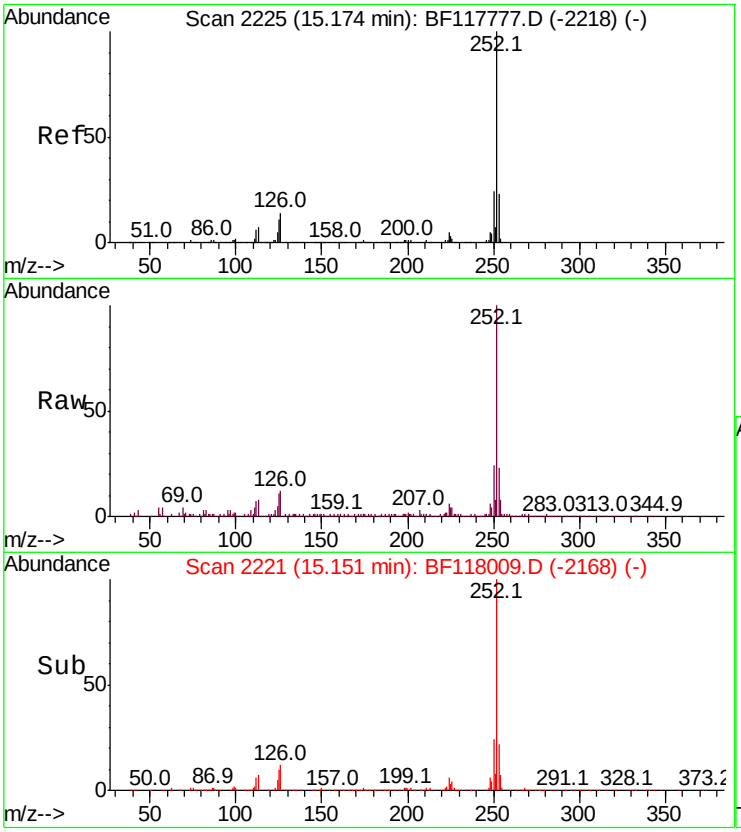


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.02 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:264 Resp: 189876

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	22.0	17.1	25.7

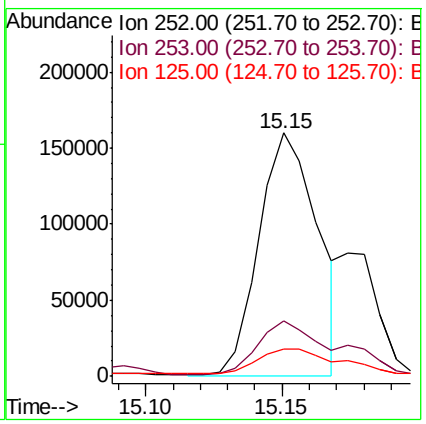




#88
Benzo(b)fluoranthene
Concen: 19.638 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:252 Resp: 242264

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.3	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
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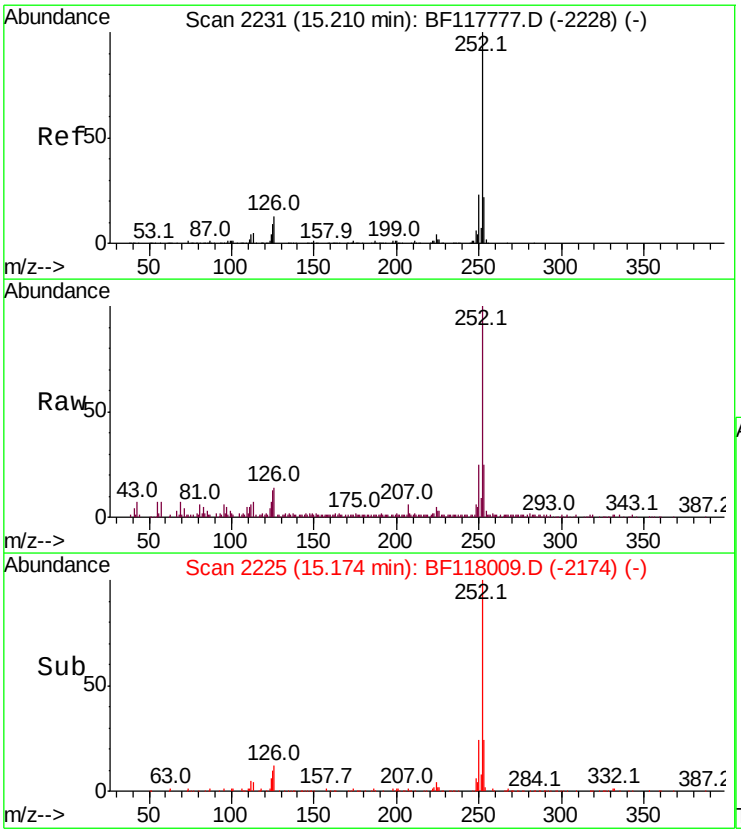
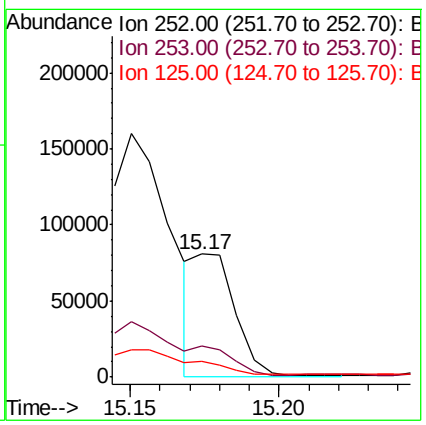
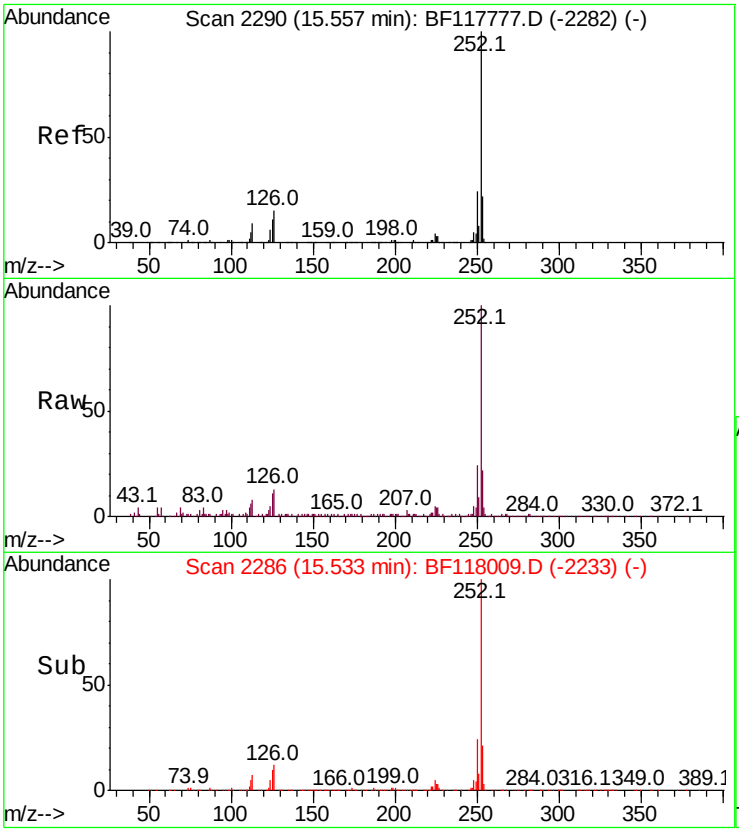


#89
Benzo(k)fluoranthene
Concen: 6.695 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:252 Resp: 77821

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	12.5	7.9	11.9#

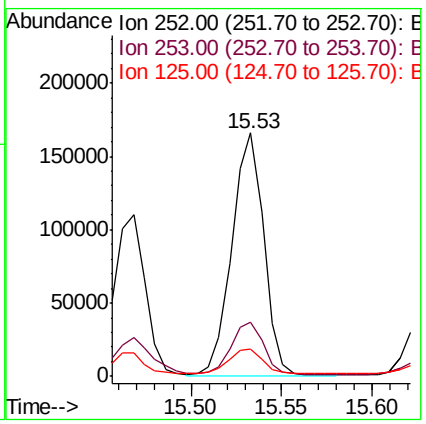




#90
Benzo(a)pyrene
Concen: 18.639 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:252 Resp: 202193

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.2	9.2	13.8



Instrument :
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ClientSampleId :
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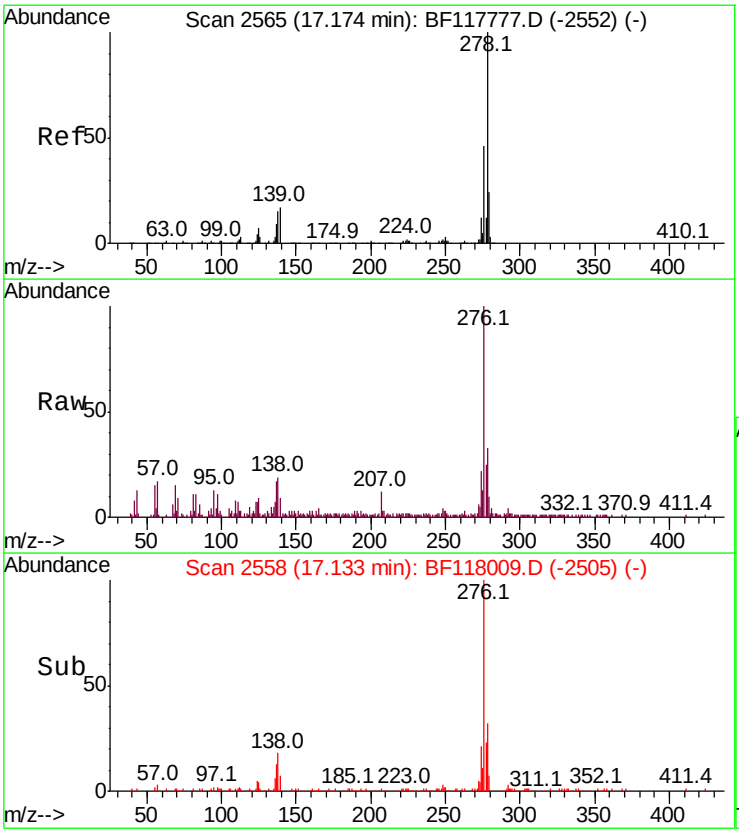
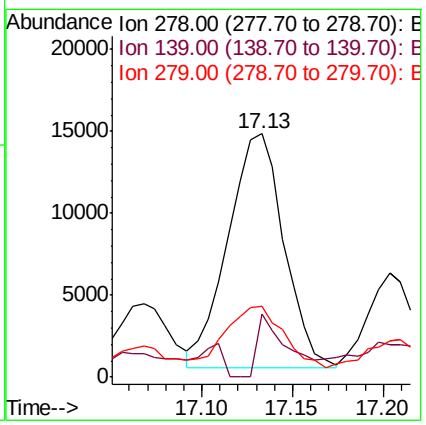
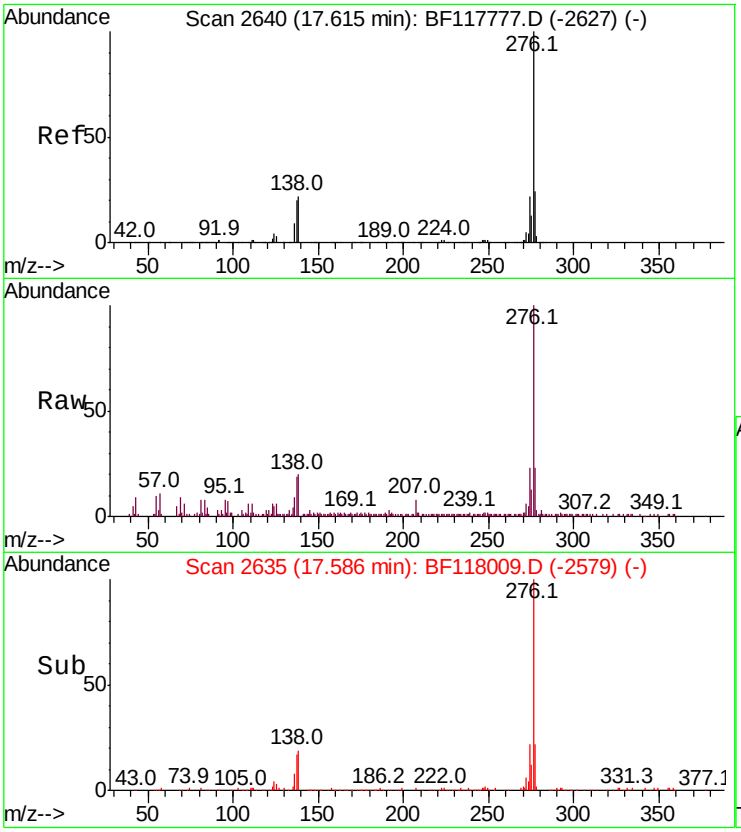


#91
Dibenzo(a,h)anthracene
Concen: 3.285 ng m
RT: 17.13 min Scan# 2558
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:278 Resp: 30670

Ion	Ratio	Lower	Upper
278	100		
139	26.0	13.8	20.8#
279	29.1	19.6	29.4

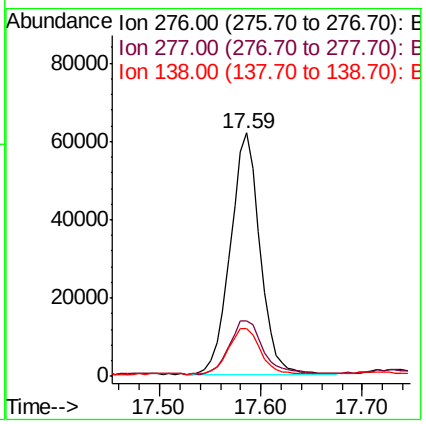




#92
Benzo(g,h,i)perylene
Concen: 13.410 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.03 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:276 Resp: 124715

Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.9	28.3
138	19.8	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
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