Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF118994.D
Acq On : 21 Feb 2020 15:52
Operator : CG/JU
Sample : L1552-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-01-008-ARE

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Quant Time: Feb 21 17:11:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	155952	20.00	ng		0.00
21) Naphthalene-d8	8.03	136	535423	20.00	ng		-0.01
39) Acenaphthene-d10	9.79	164	242799	20.00	ng		0.00
64) Phenanthrene-d10	11.27	188	378496	20.00	ng		0.00
76) Chrysene-d12	13.91	240	355220	20.00	ng		0.00
87) Perylene-d12	15.34	264	331831	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	199502	21.38	ng		0.00
7) Phenol-d6	6.39	99	533653	47.02	ng		-0.01
23) Nitrobenzene-d5	7.32	82	398038	39.25	ng		-0.01
42) 2,4,6-Tribromophenol	10.57	330	4102	1.29	ng		0.00
45) 2-Fluorobiphenyl	9.11	172	754971	45.81	ng		-0.01
79) Terphenyl-d14	12.85	244	730821	35.42	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.06	128	144894	5.218	ng		99
50) Dimethylphthalate	9.50	163	50956	2.745	ng		98
52) Acenaphthene	9.82	154	48432	3.517	ng		99
55) Dibenzofuran	9.99	168	66014	3.212	ng		93
58) Fluorene	10.33	166	71250	4.461	ng		98
71) Phenanthrene	11.29	178	591689	28.665	ng		99
72) Anthracene	11.35	178	153912	7.463	ng		97
73) Carbazole	11.50	167	54103	2.945	ng		98
75) Fluoranthene	12.48	202	670295	30.593	ng		99
78) Pyrene	12.71	202	579661	20.322	ng		99
80) Butylbenzylphthalate	13.33	149	37196	3.098	ng		95
81) Benzo(a)anthracene	13.90	228	315496	13.035	ng		99
83) Chrysene	13.93	228	251818	10.442	ng		97
86) Indeno(1,2,3-cd)pyrene	16.75	276	104564	4.478	ng		95
88) Benzo(b)fluoranthene	14.93	252	336978m	15.406	ng		
89) Benzo(k)fluoranthene	14.96	252	82076m	4.049	ng		
90) Benzo(a)pyrene	15.28	252	208356	10.555	ng	#	92
92) Benzo(g,h,i)perylene	17.17	276	101716	5.927	ng		95

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

Quantitation Report (QT Reviewed)

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Acq On : 21 Feb 2020 15:52
Operator : CG/JU
Sample : L1552-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 21 17:11:31 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-ARE

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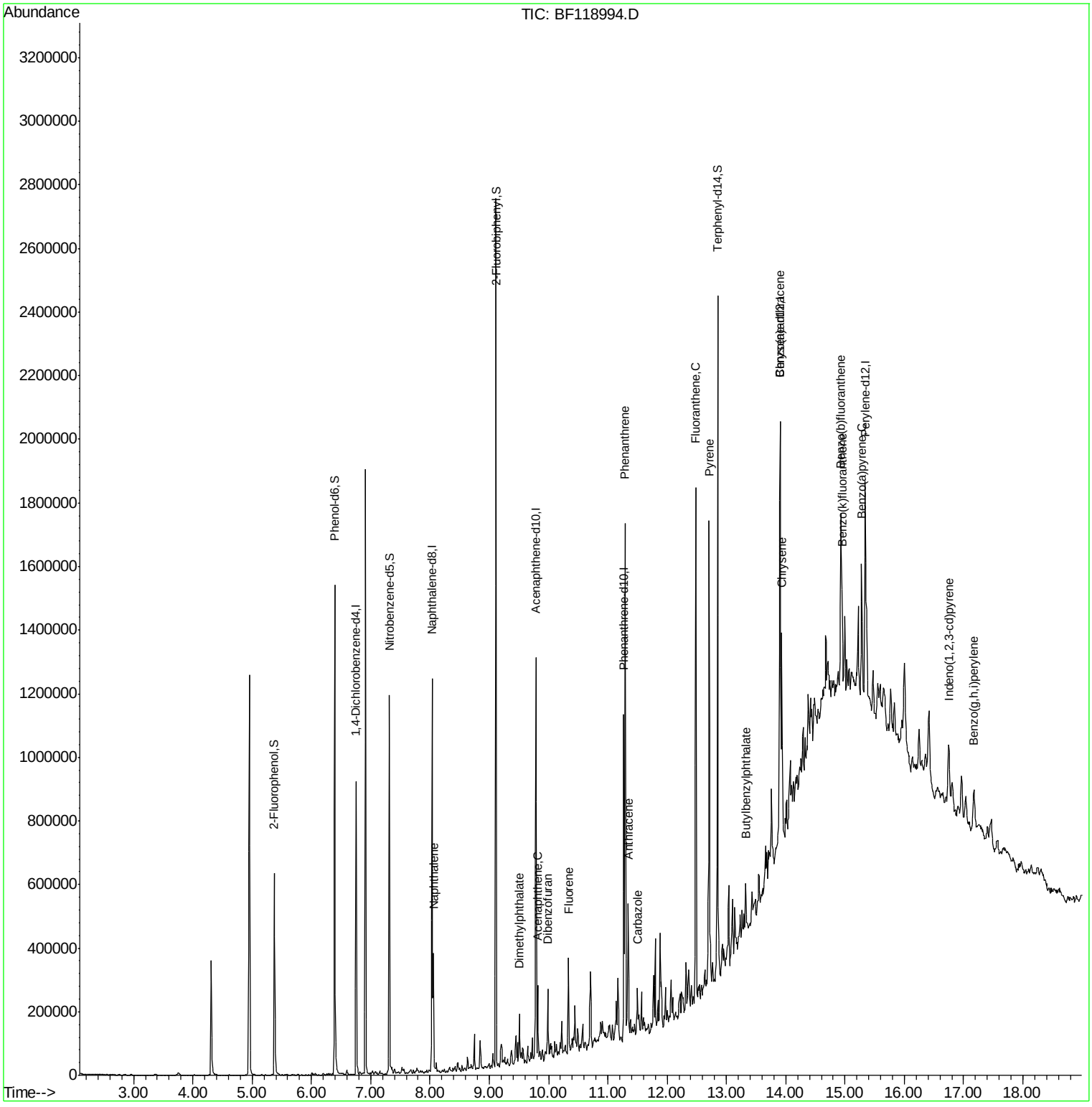
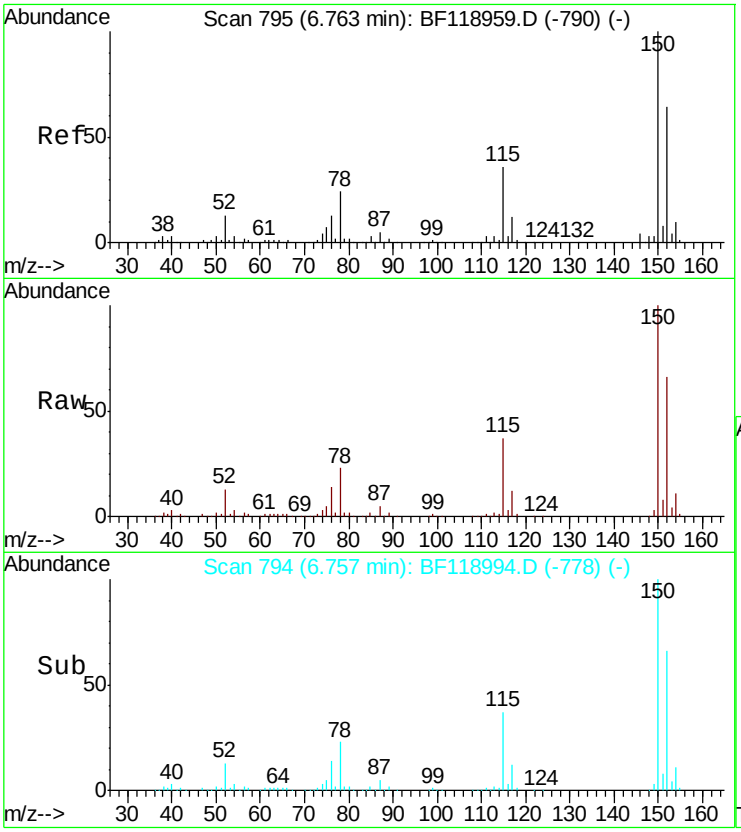
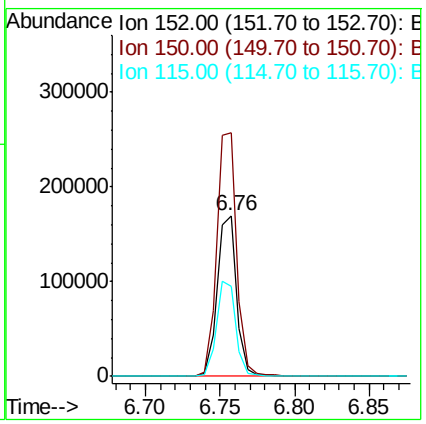




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:152 Resp: 155952

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	56.1	44.6	67.0



Instrument :
BNA_F
ClientSampleId :
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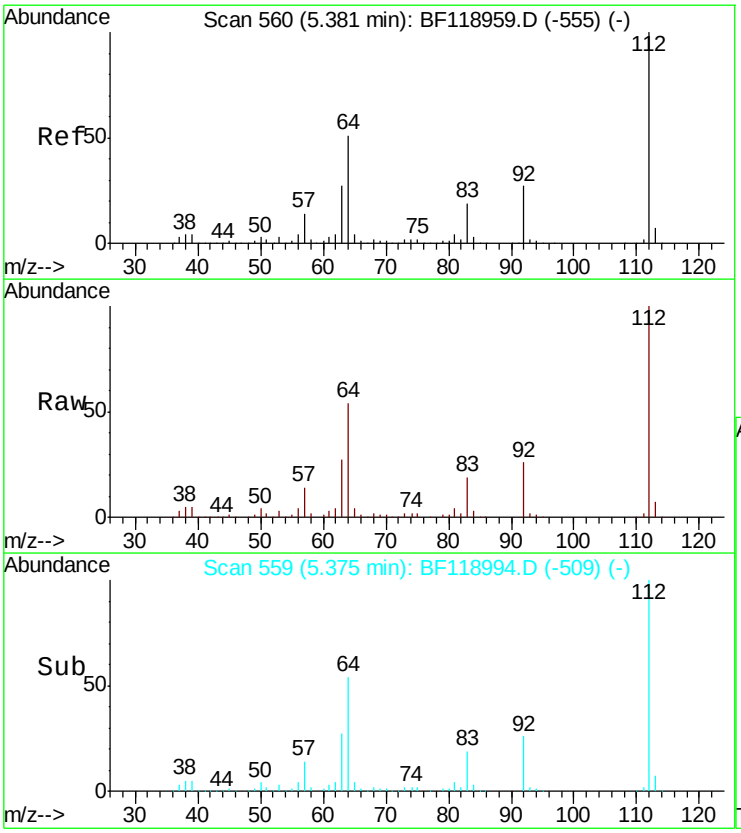
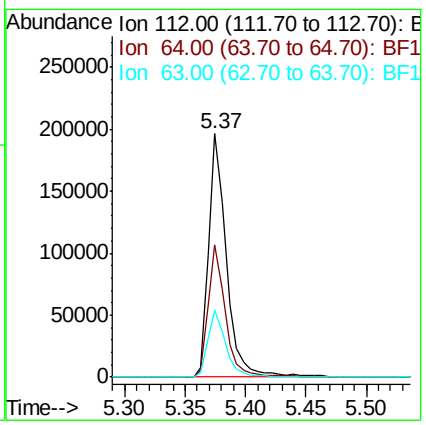
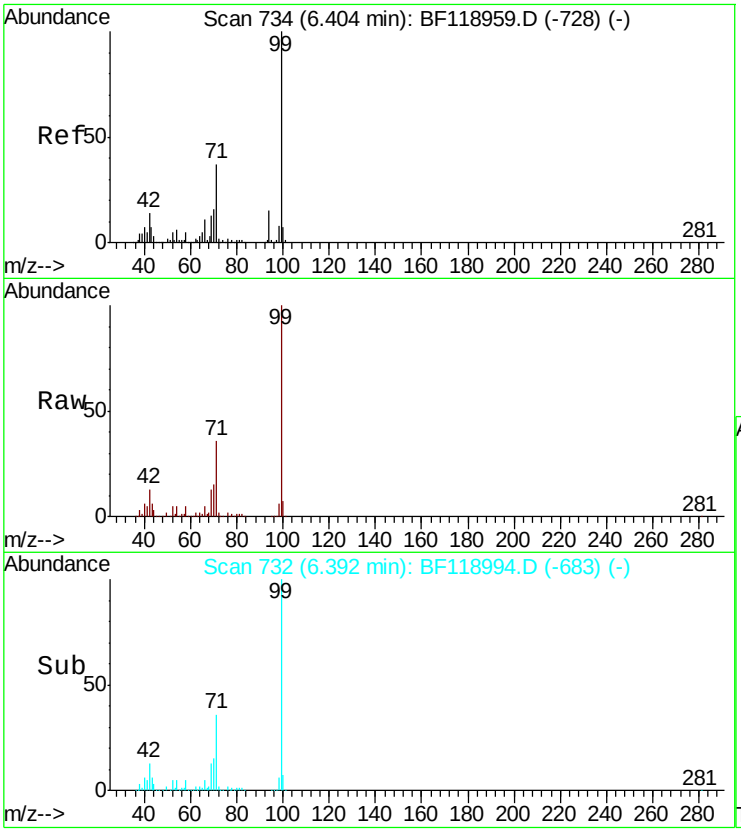


#5
2-Fluorophenol
Concen: 21.379 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:112 Resp: 199502

Ion	Ratio	Lower	Upper
112	100		
64	54.2	40.4	60.6
63	27.3	21.3	31.9

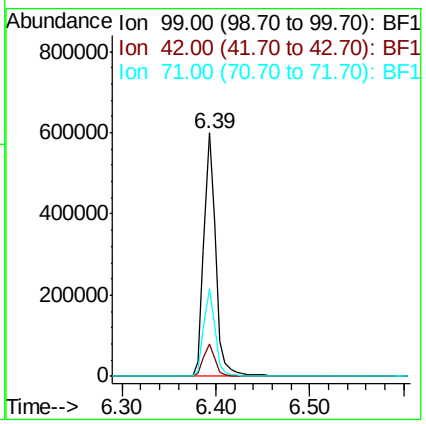




#7
Phenol-d6
Concen: 47.021 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion: 99 Resp: 533653

Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.4	17.0
71	35.8	29.8	44.6



Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-ARE

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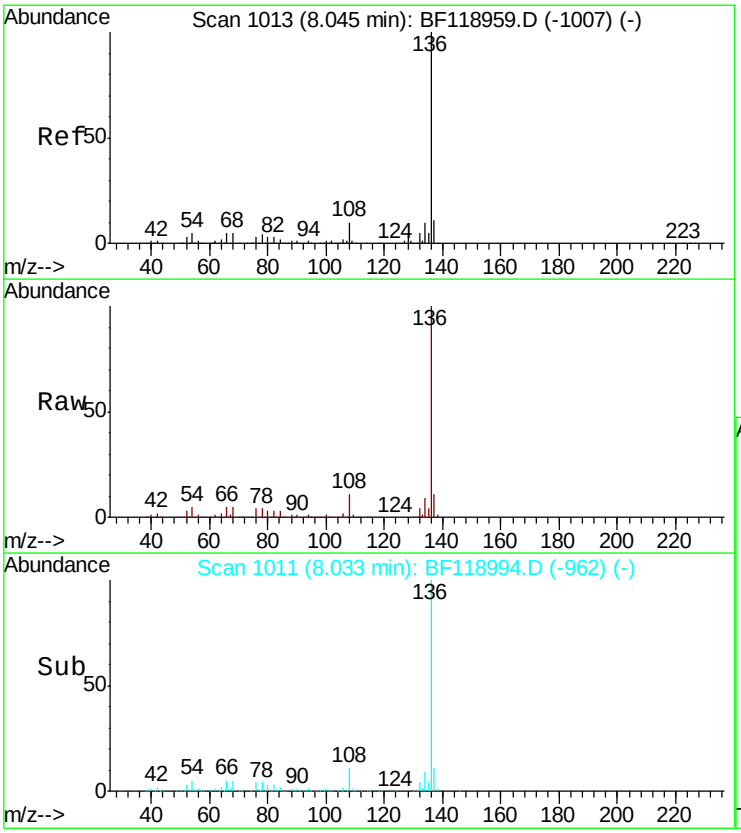
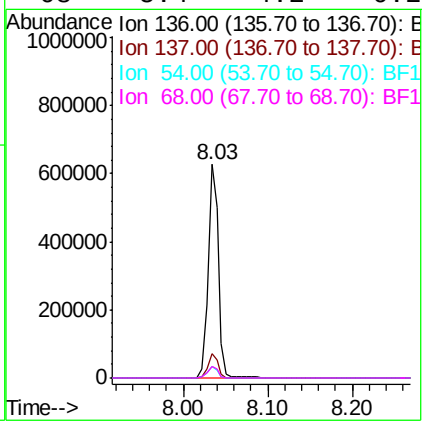
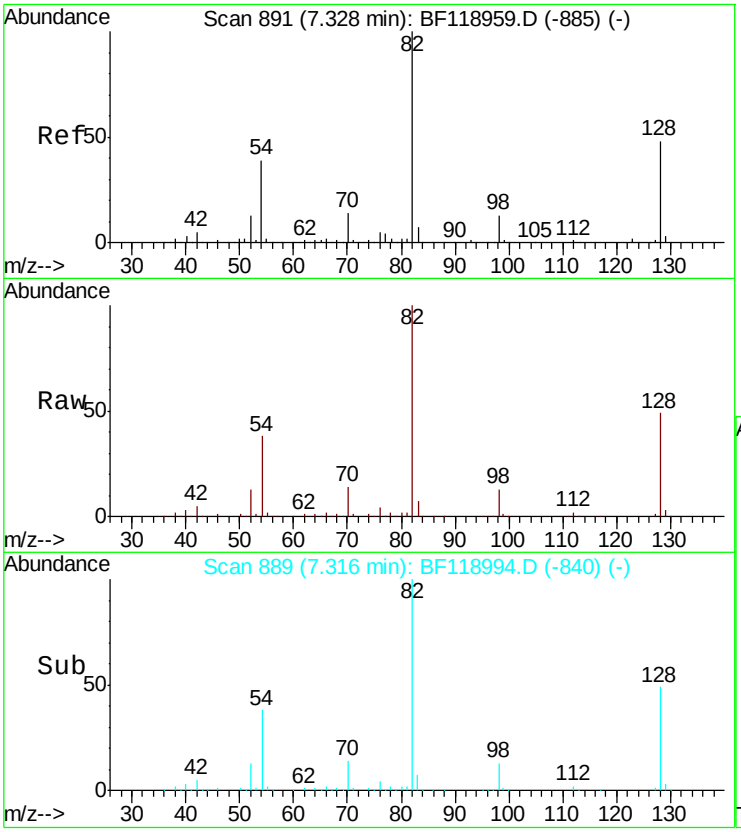


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:136 Resp: 535423

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	5.2	3.8	5.6
68	5.4	4.2	6.2

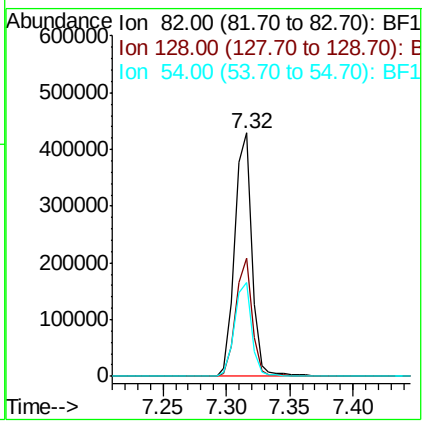




#23
Nitrobenzene-d5
Concen: 39.252 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion: 82 Resp: 398038

Ion	Ratio	Lower	Upper
82	100		
128	48.8	38.2	57.2
54	38.5	31.3	46.9



Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-ARE

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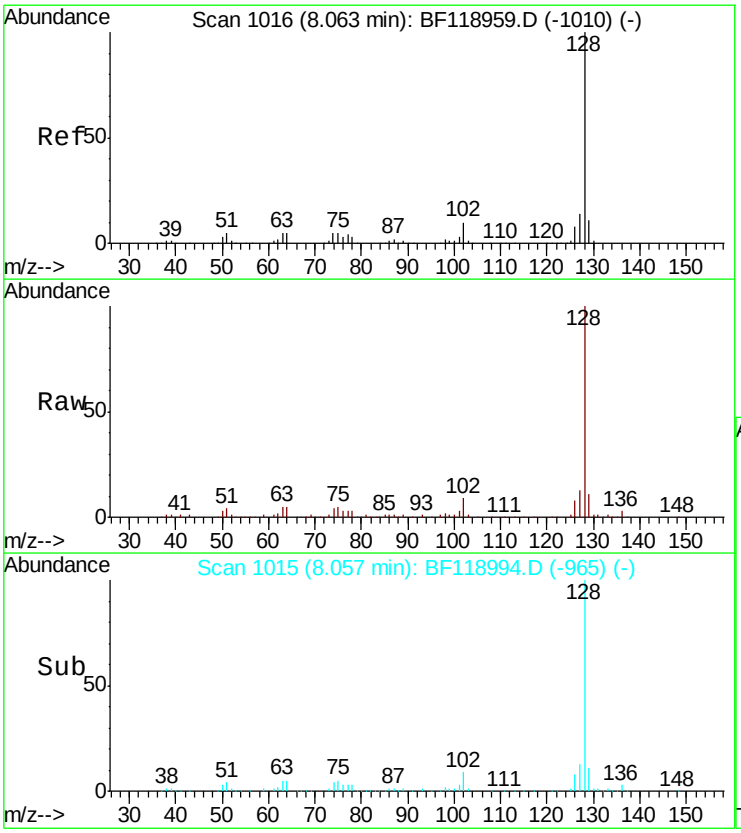
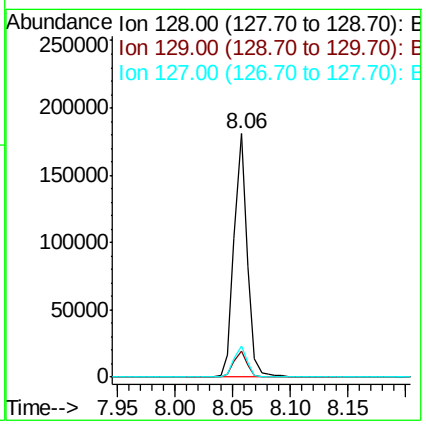
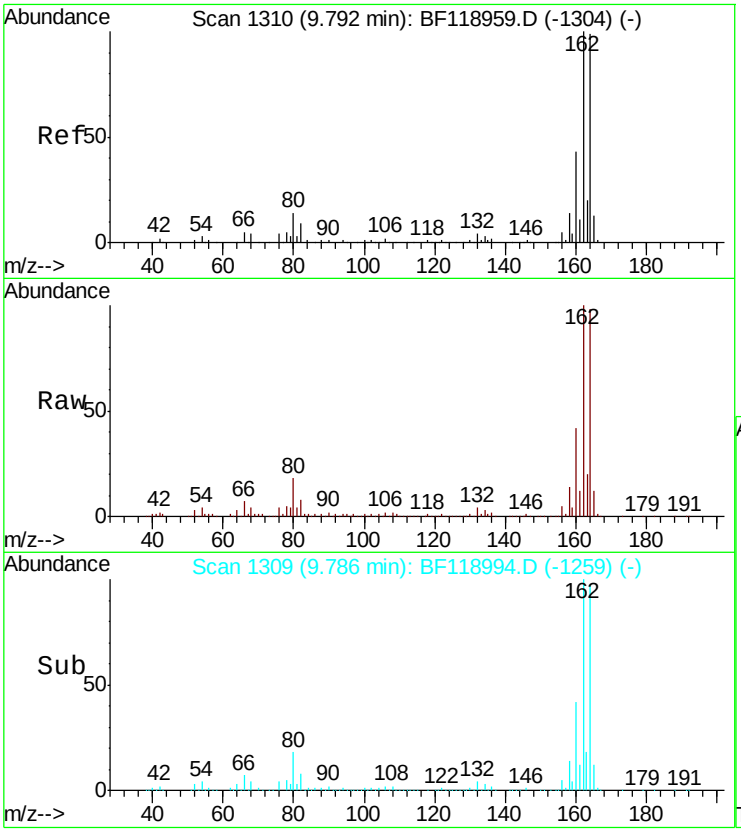


#31
Naphthalene
Concen: 5.218 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:128 Resp: 144894

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.0	10.9	16.3

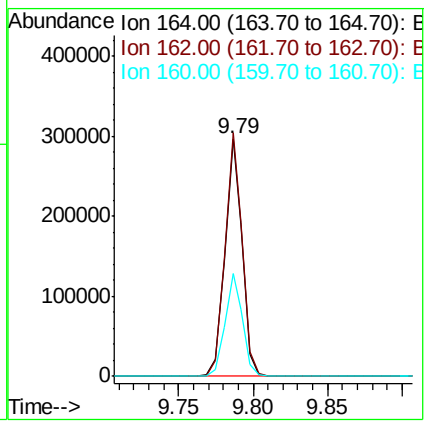




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:164 Resp: 242799

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.2	121.8
160	43.2	35.2	52.8



Instrument :
BNA_F
ClientSampleId :
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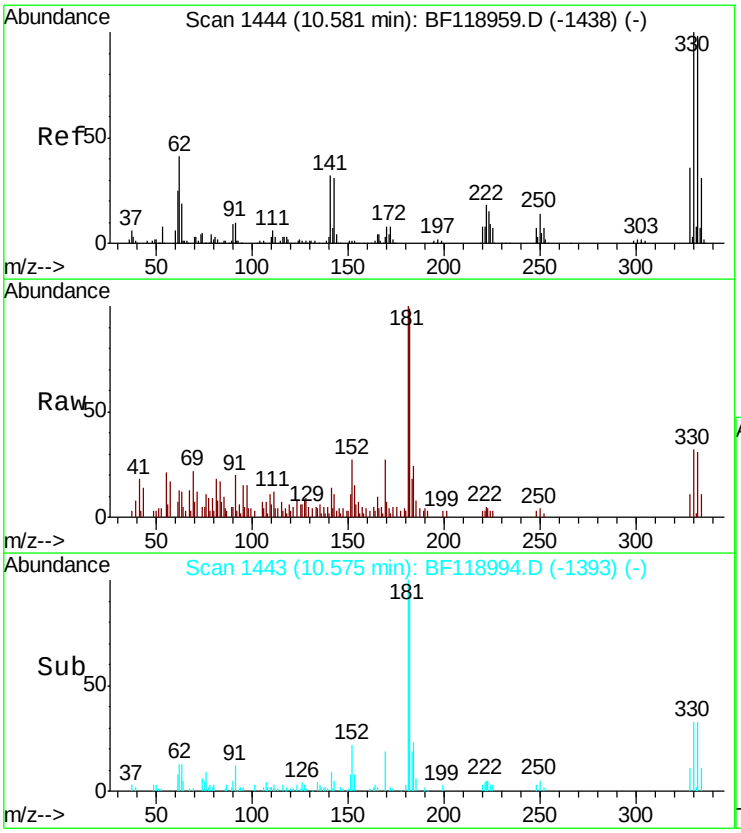
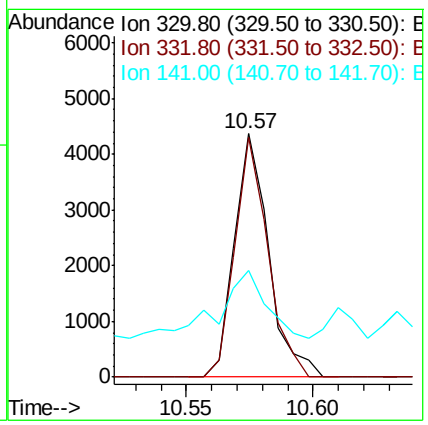
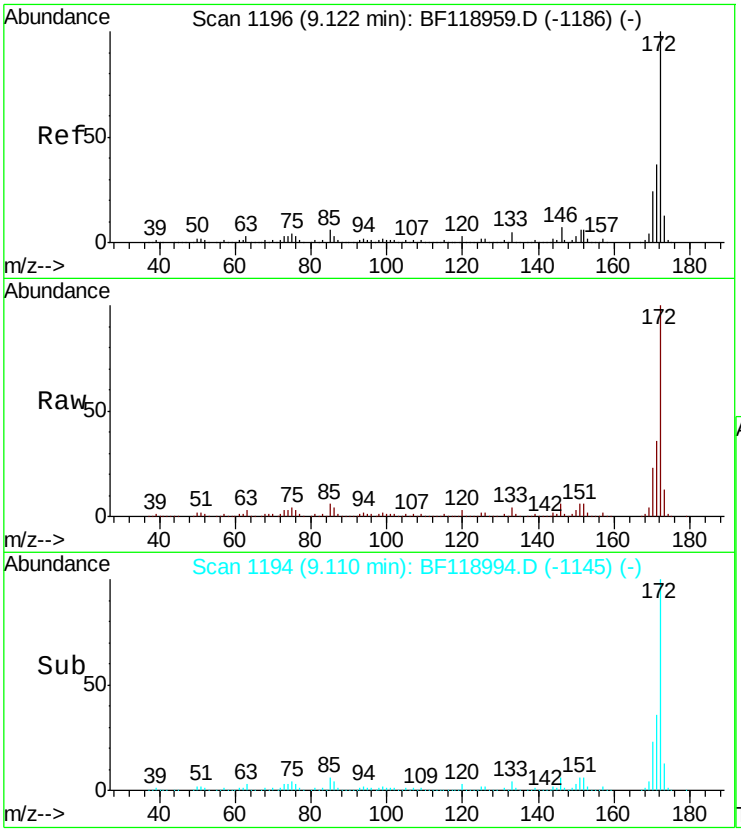


#42
2,4,6-Tribromophenol
Concen: 1.291 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:330 Resp: 4102

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.1	115.7
141	64.4	23.0	34.6#

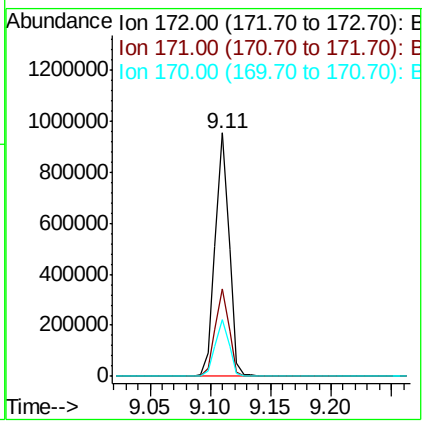




#45
2-Fluorobiphenyl
Concen: 45.808 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:172 Resp: 754971

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.5	19.6	29.4



Instrument :
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ClientSampleId :
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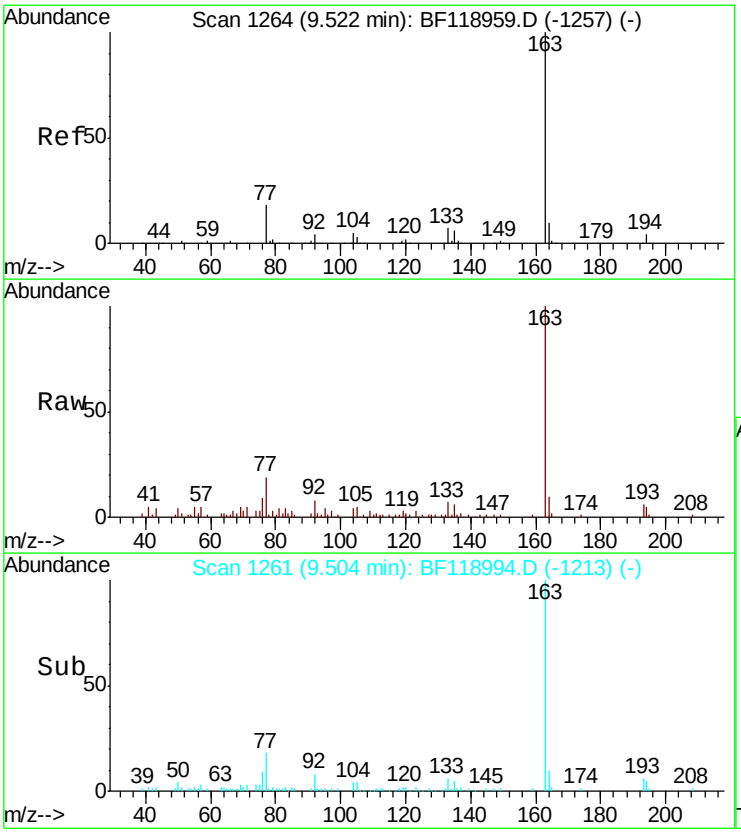
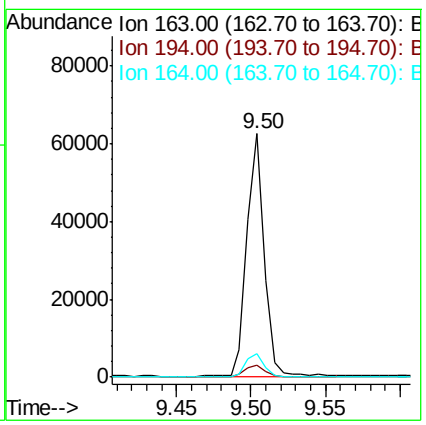
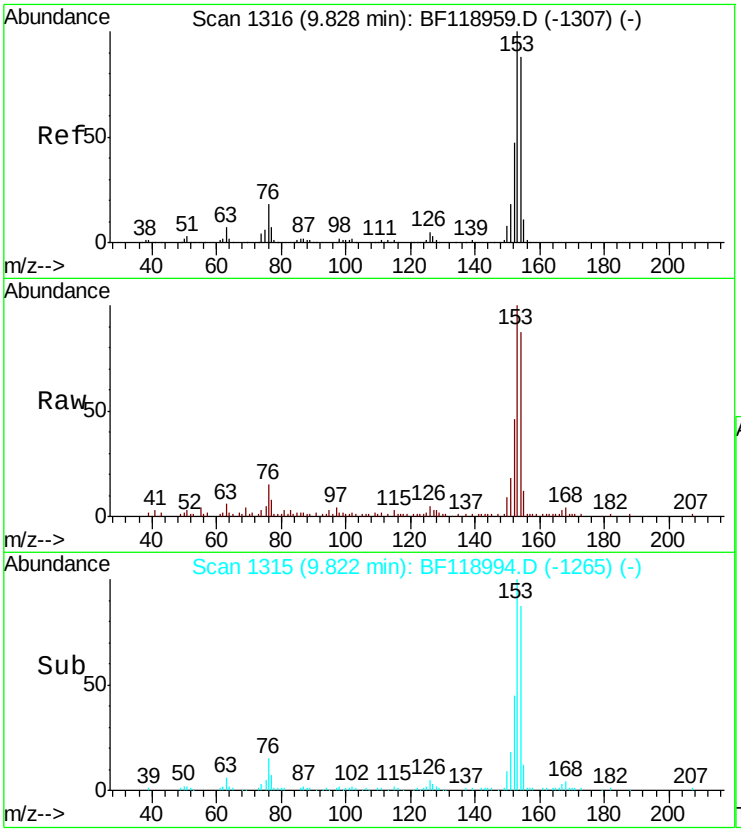


#50
Dimethylphthalate
Concen: 2.745 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:163 Resp: 50956

Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.2
164	9.5	8.2	12.2

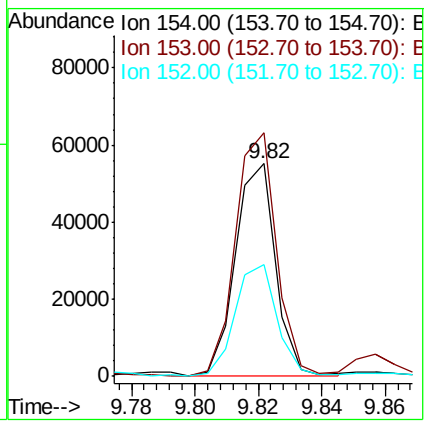




#52
Acenaphthene
Concen: 3.517 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:154 Resp: 48432

Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.4	135.6
152	52.5	42.9	64.3



Instrument :
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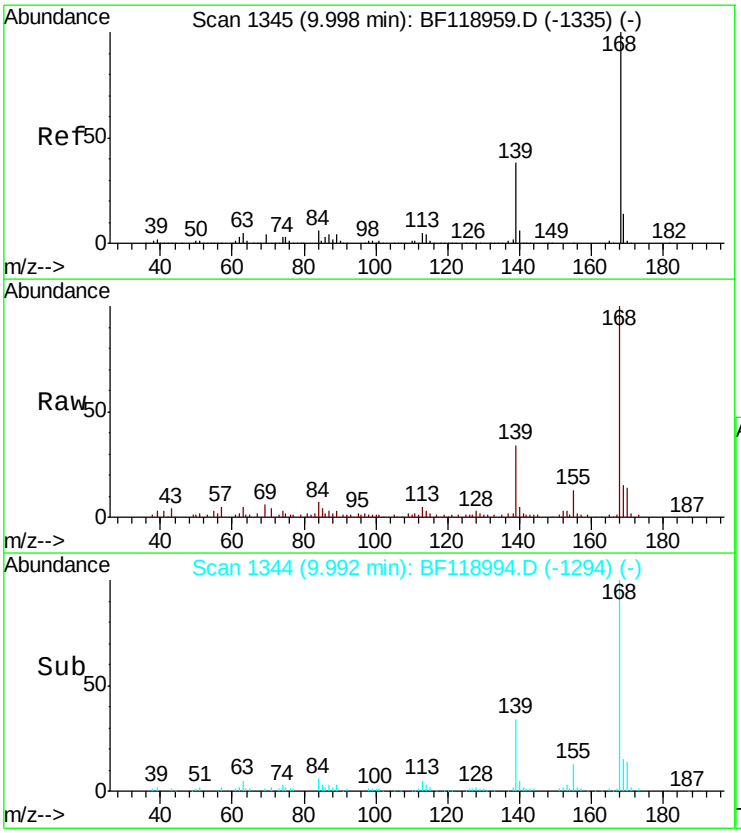
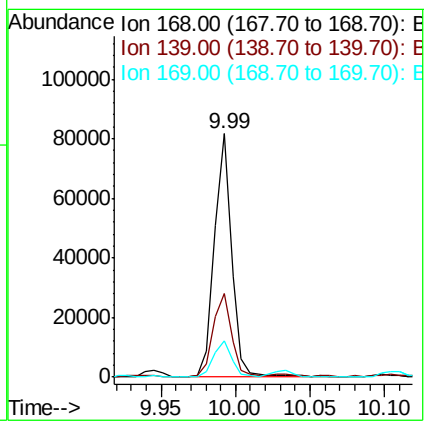
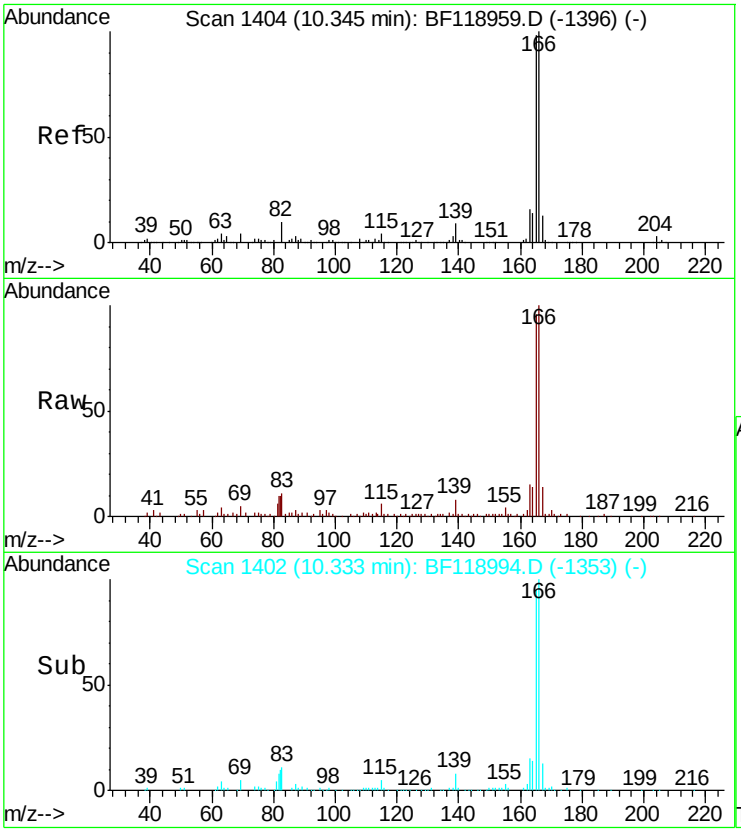


#55
Dibenzofuran
Concen: 3.212 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:168 Resp: 66014

Ion	Ratio	Lower	Upper
168	100		
139	34.4	31.7	47.5
169	14.7	11.0	16.4

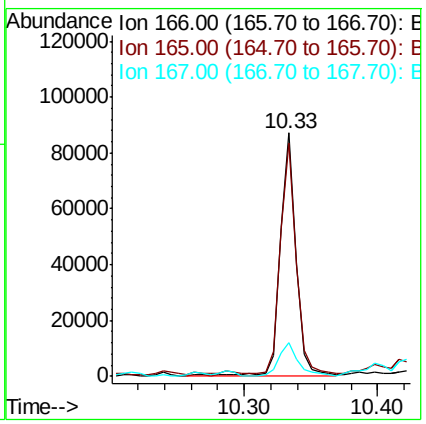




#58
Fluorene
Concen: 4.461 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:166 Resp: 71250

Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.2	117.4
167	13.8	10.6	16.0



Instrument :
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ClientSampleId :
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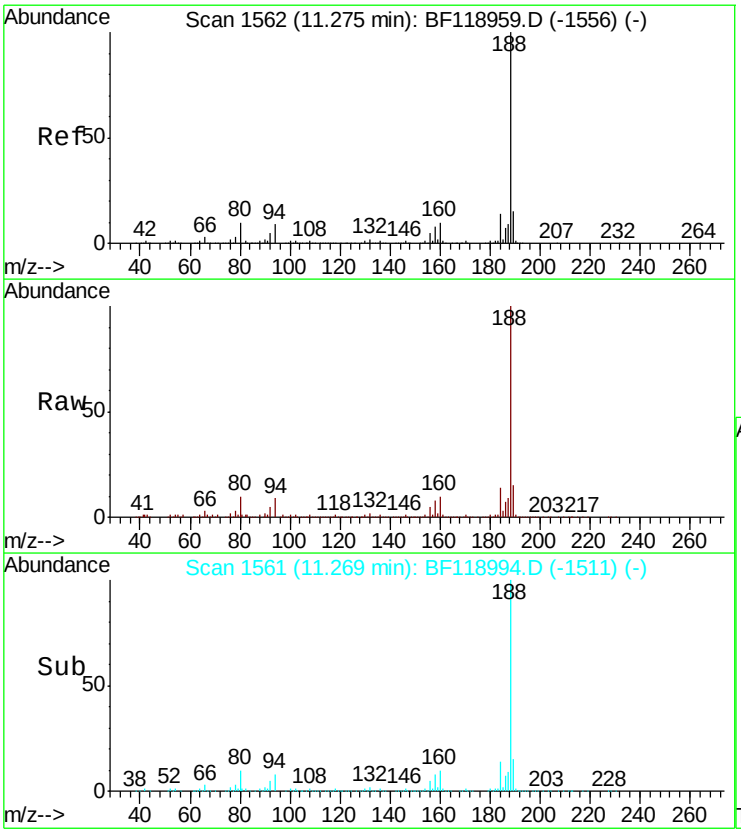
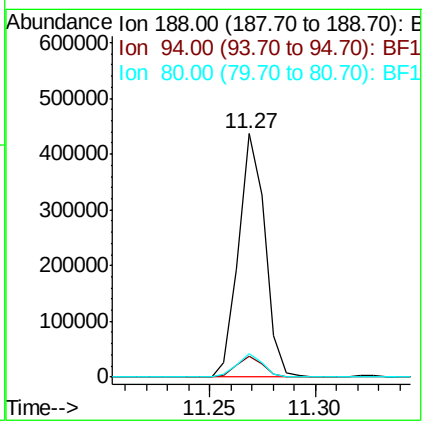
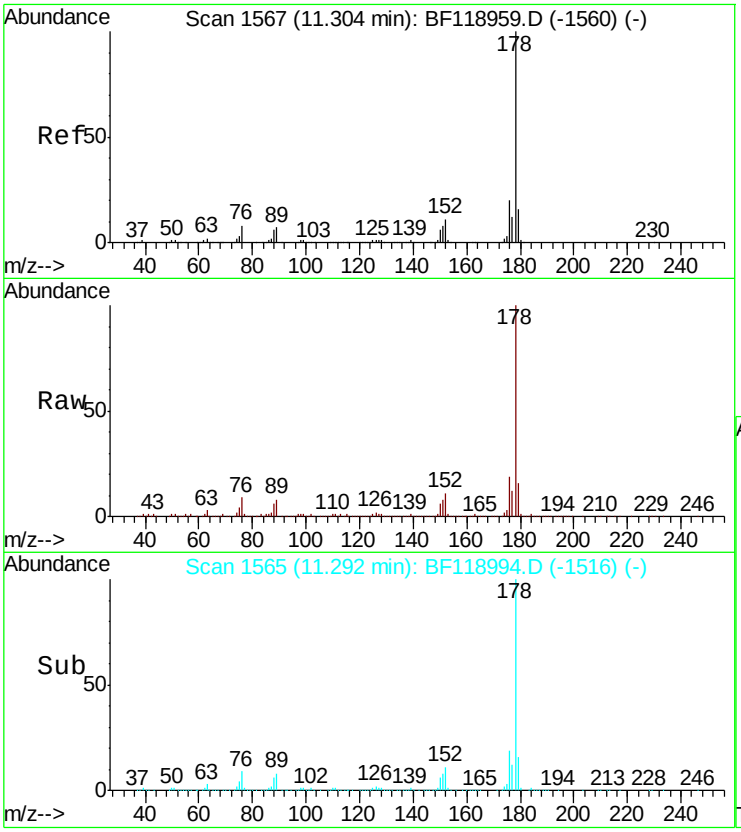


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:188 Resp: 378496

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.6
80	9.8	7.9	11.9

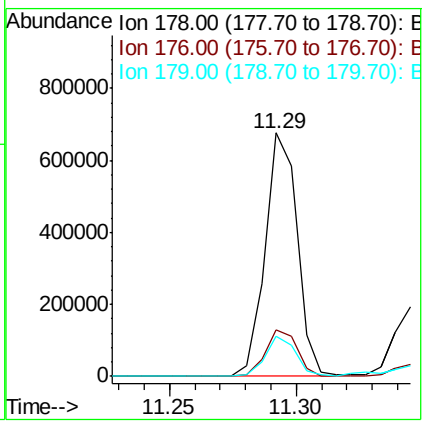




#71
Phenanthrene
Concen: 28.665 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:178 Resp: 591689

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	16.2	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-ARE

Manual Integrations APPROVED
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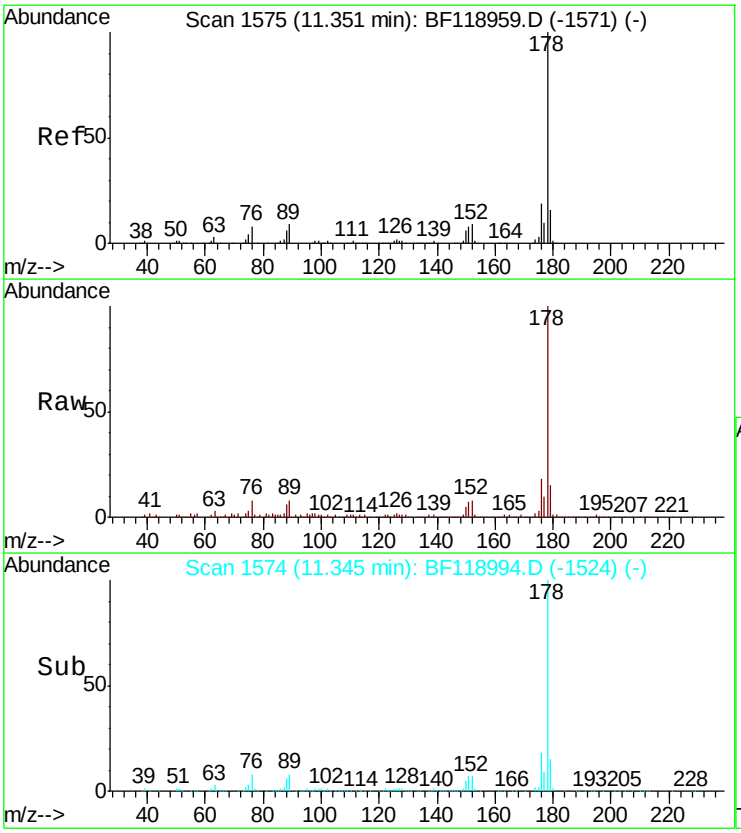
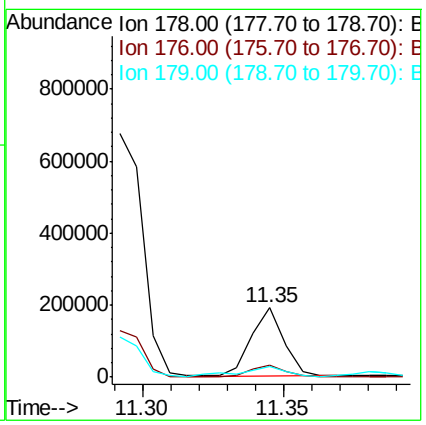
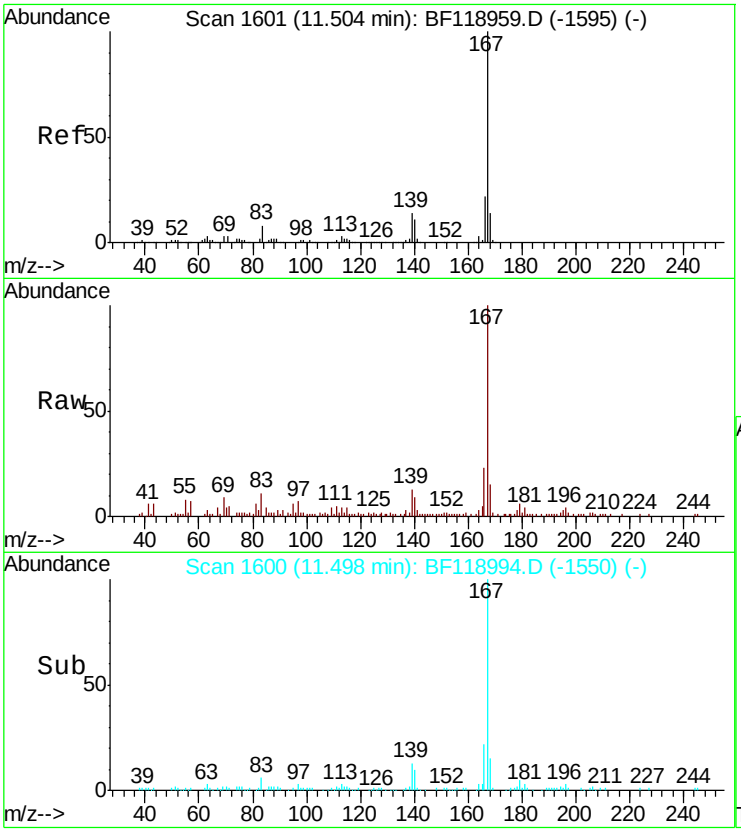


#72
Anthracene
Concen: 7.463 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:178 Resp: 153912

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.2	12.8	19.2

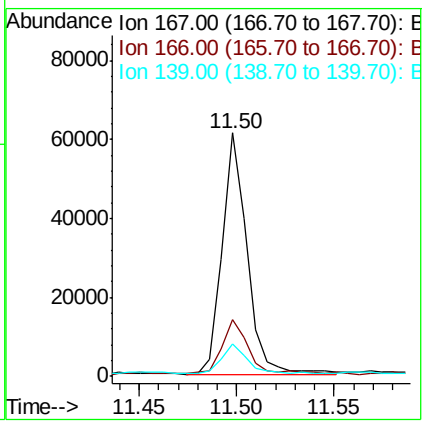




#73
Carbazole
Concen: 2.945 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:167 Resp: 54103

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.8	26.6
139	13.5	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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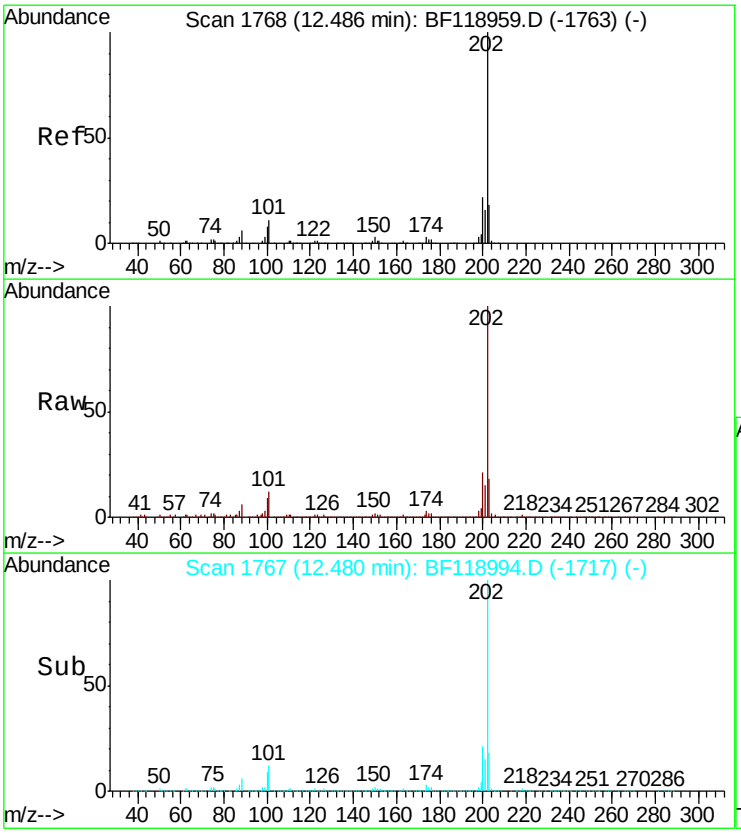
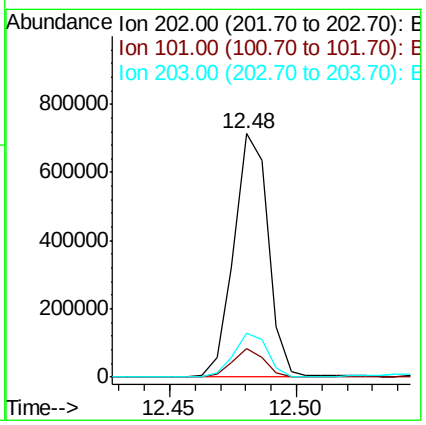
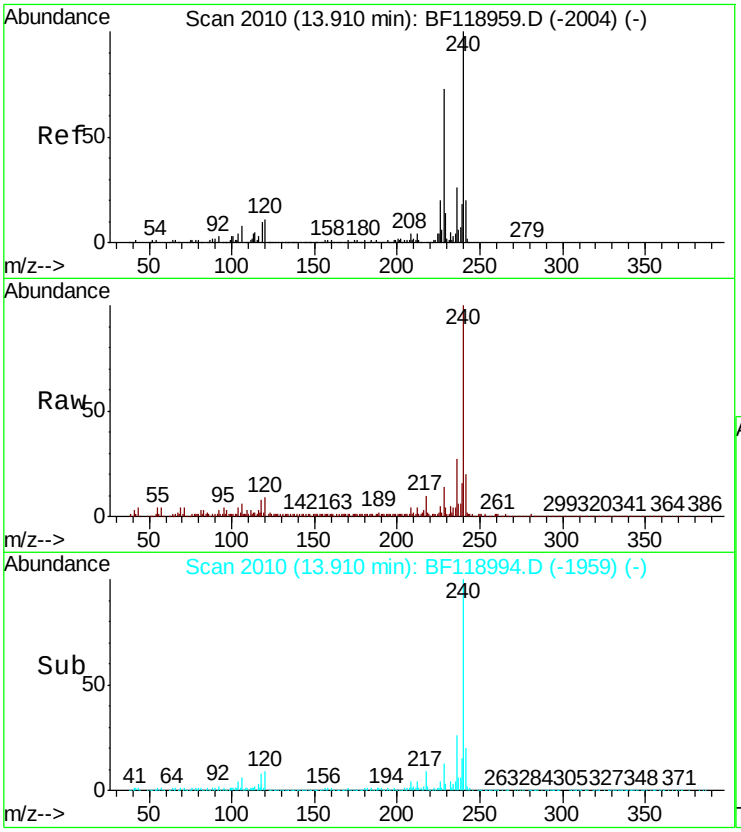


#75
Fluoranthene
Concen: 30.593 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:202 Resp: 670295

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.1
203	18.1	0.0	38.1

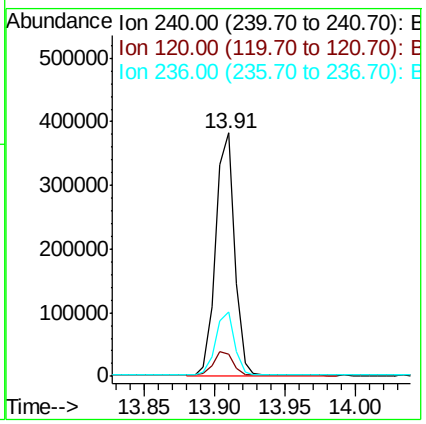




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:240 Resp: 355220

Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.9	13.3
236	26.7	20.6	30.8



Instrument :
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ClientSampleId :
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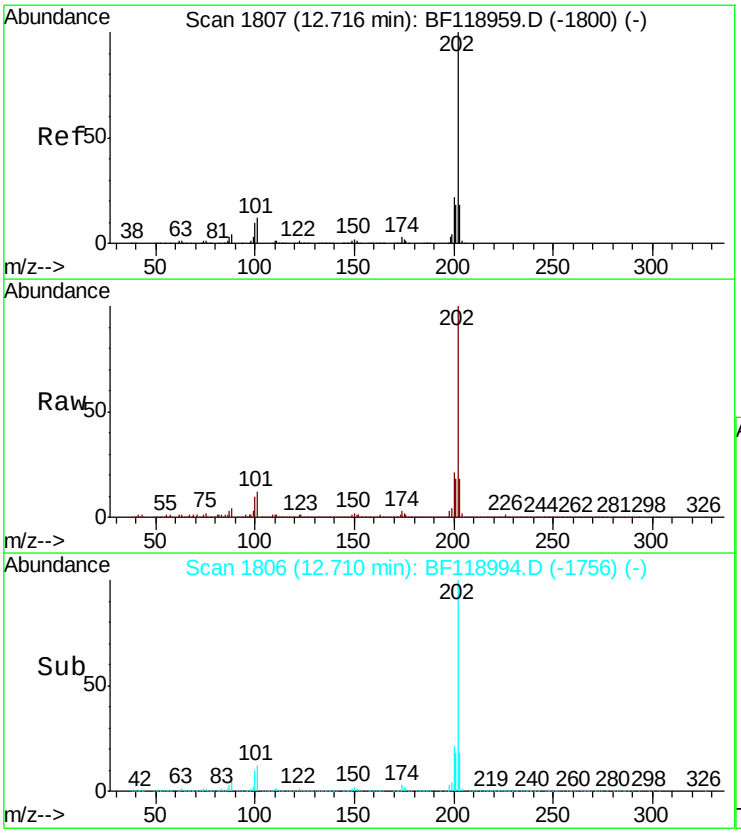
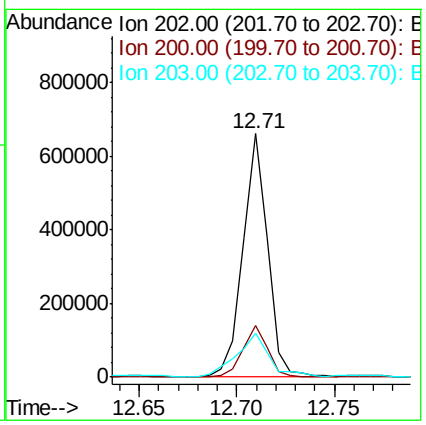
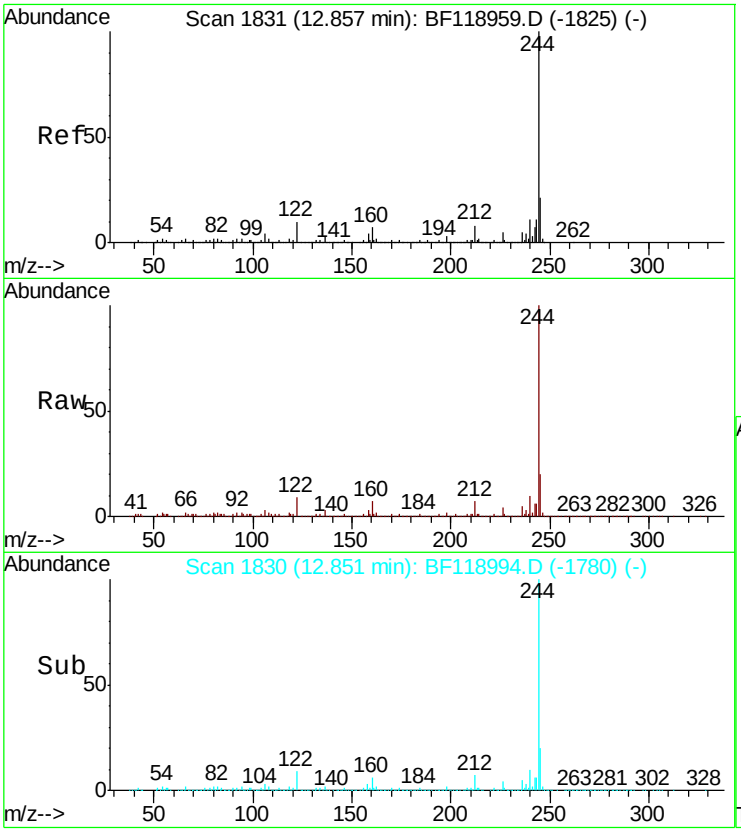


#78
Pyrene
Concen: 20.322 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:202 Resp: 579661

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	18.1	14.5	21.7

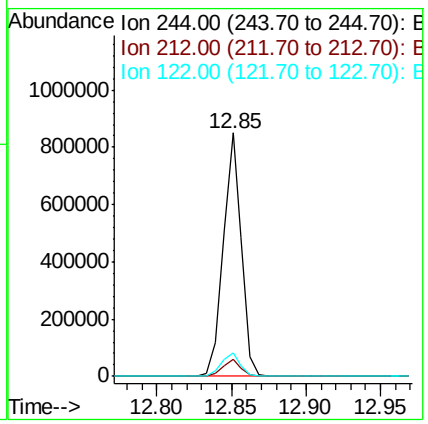




#79
Terphenyl-d14
Concen: 35.421 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:244 Resp: 730821

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	9.4	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
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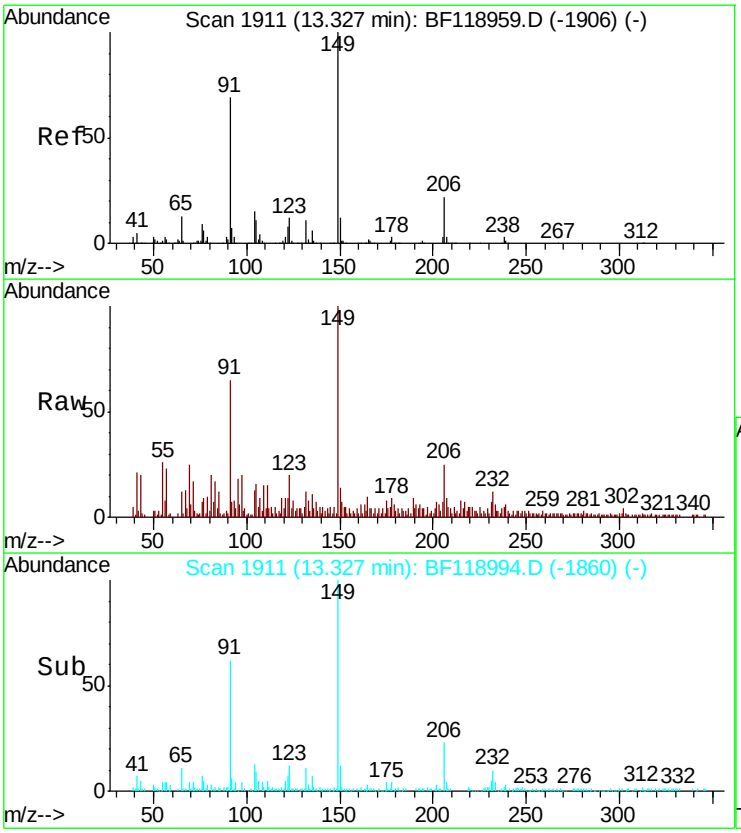
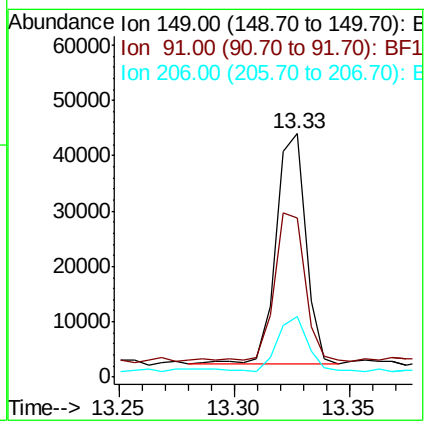
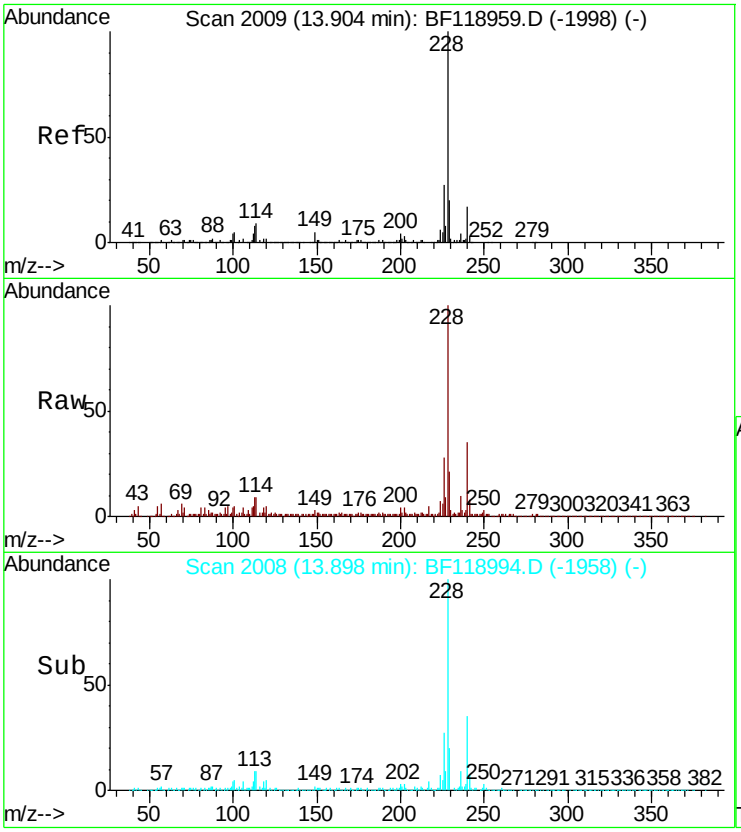


#80
Butylbenzylphthalate
Concen: 3.098 ng
RT: 13.33 min Scan# 1911
Delta R.T. -0.00 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:149 Resp: 37196

Ion	Ratio	Lower	Upper
149	100		
91	65.4	55.4	83.2
206	24.9	17.7	26.5

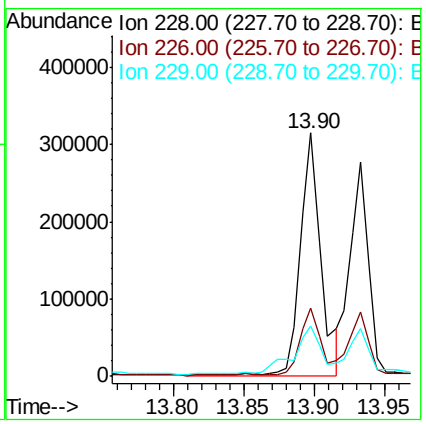




#81
Benzo(a)anthracene
Concen: 13.035 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:228 Resp: 315496

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.7	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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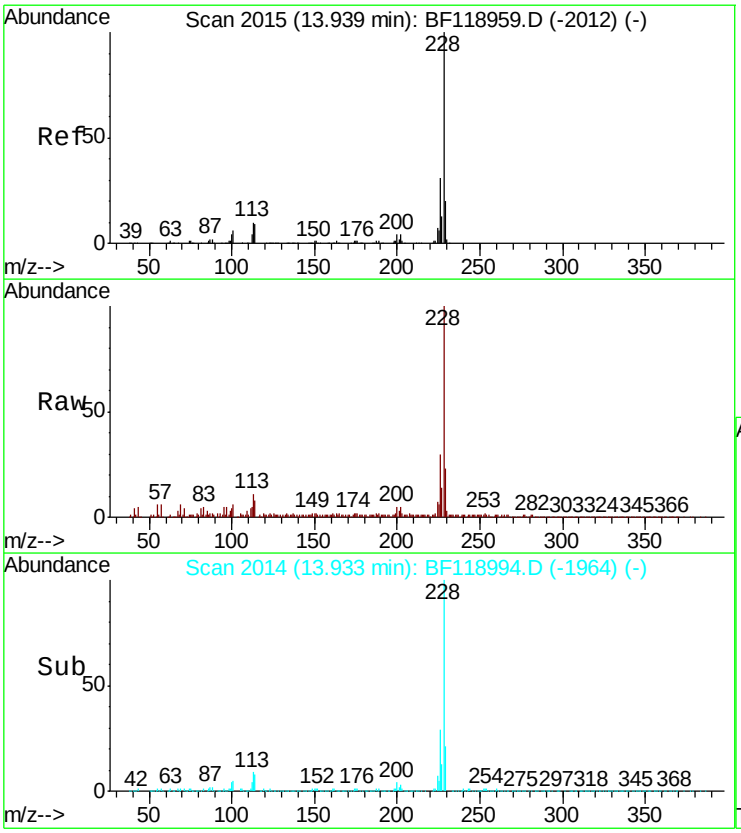
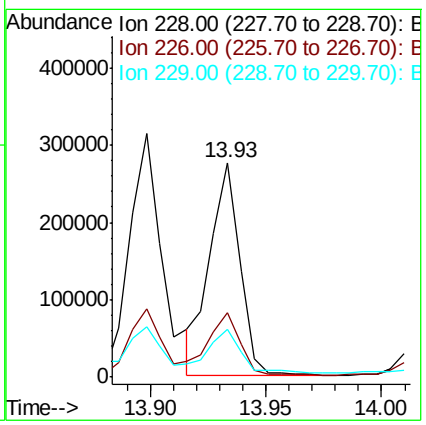
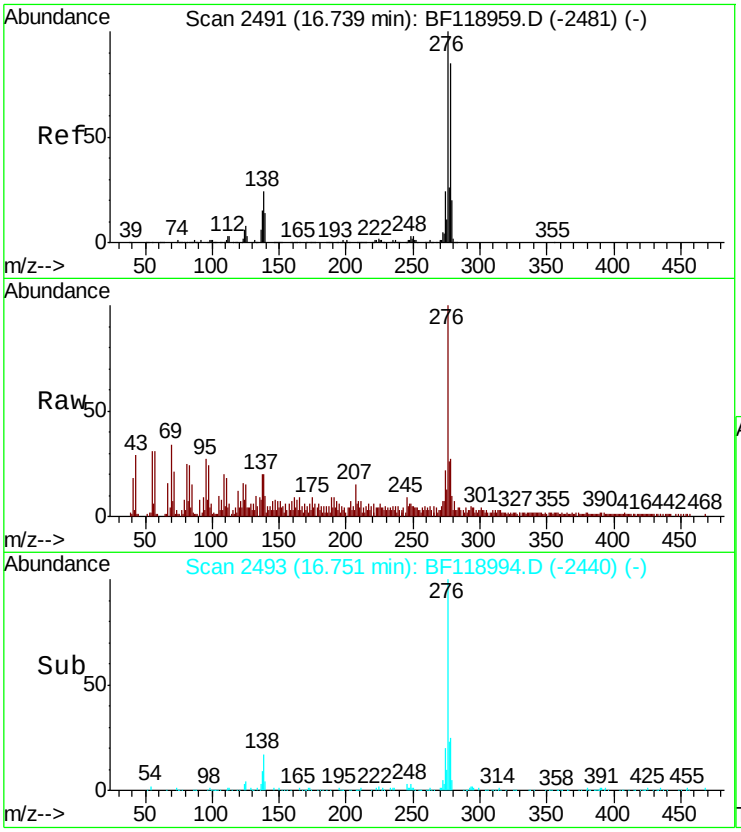


#83
Chrysene
Concen: 10.442 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:228 Resp: 251818

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	22.5	16.2	24.2

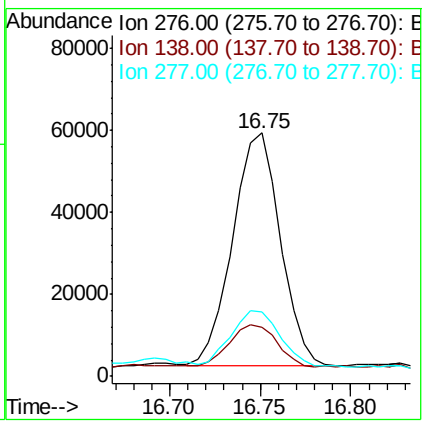




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.478 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:276 Resp: 104564

Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.7	28.1
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-ARE

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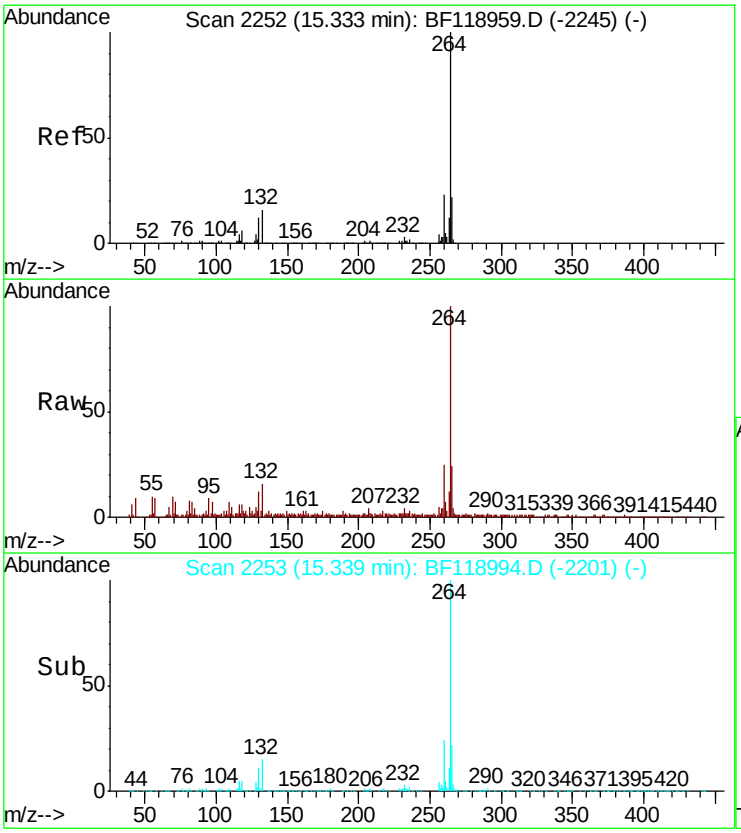
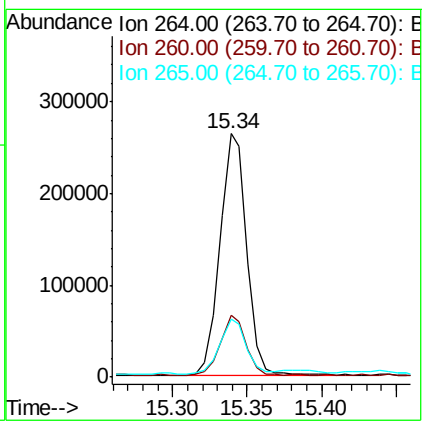
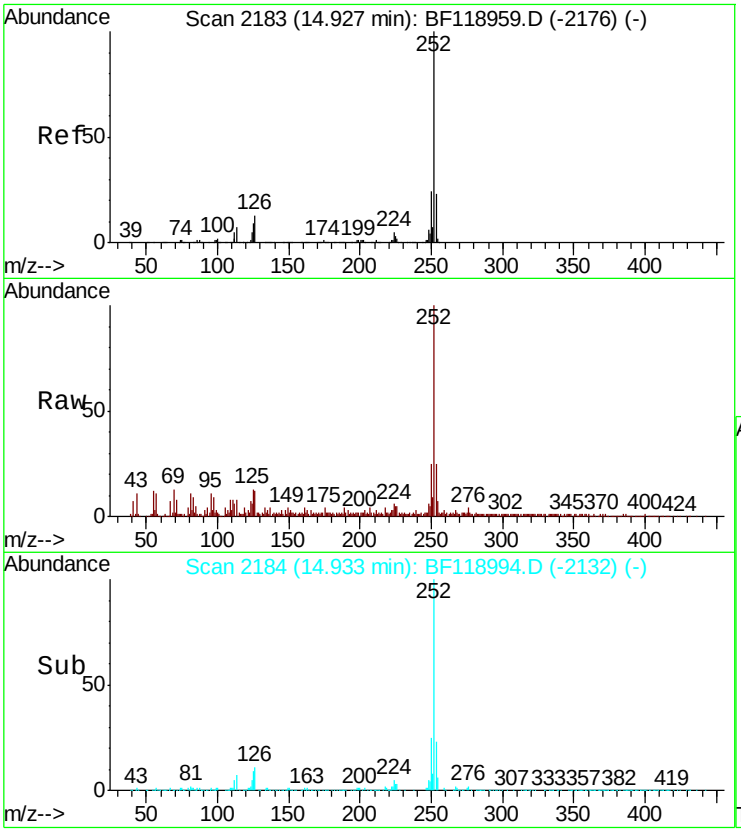


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:264 Resp: 331831

Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.6	28.0
265	23.6	17.3	25.9





#88
Benzo(b)fluoranthene
Concen: 15.406 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:252 Resp: 336978

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	12.6	7.4	11.0#

Instrument :
BNA_F
ClientSampleId :
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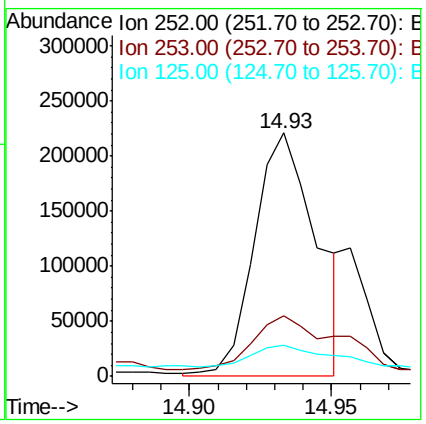
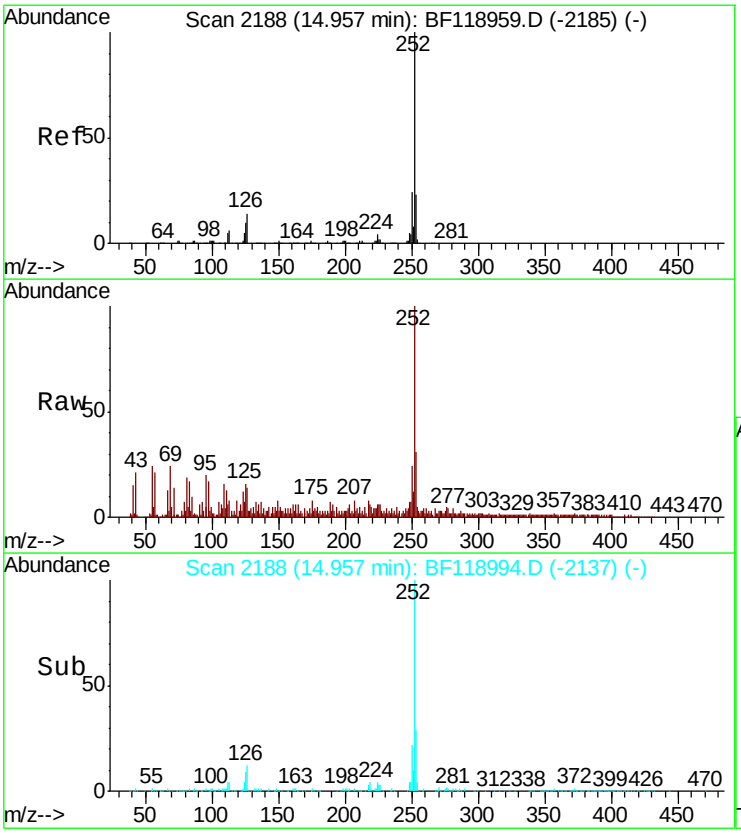
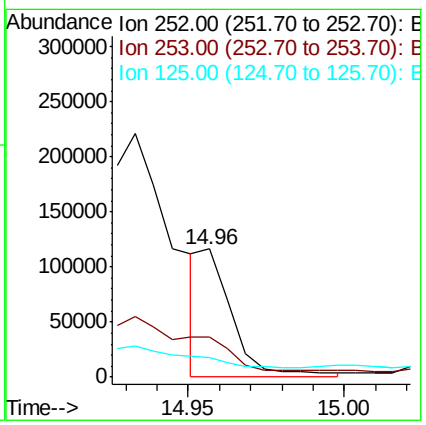


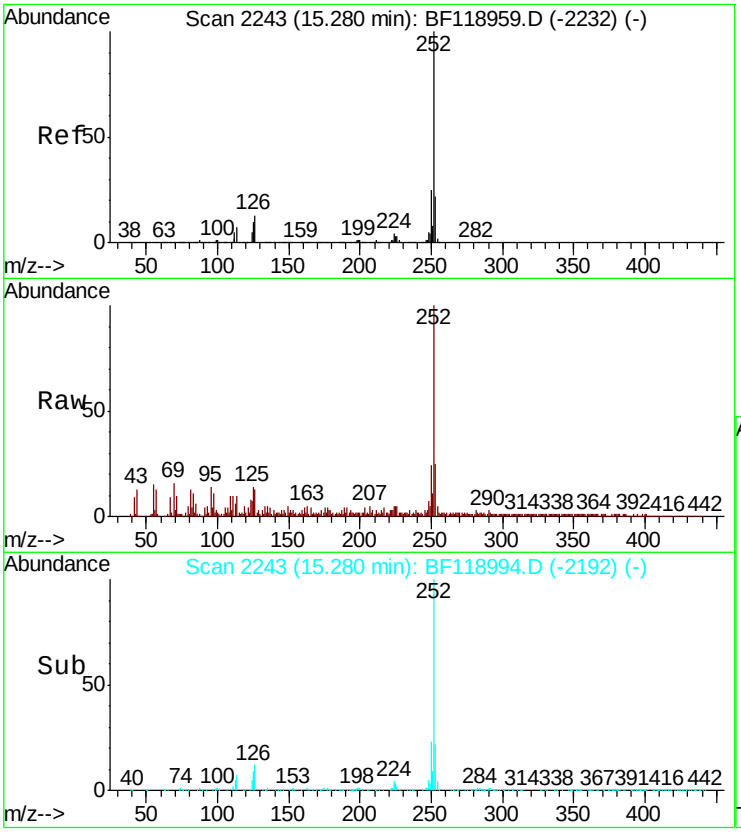


#89
Benzo(k)fluoranthene
Concen: 4.049 ng m
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:252 Resp: 82076

Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.9	26.9#
125	15.5	7.3	10.9#

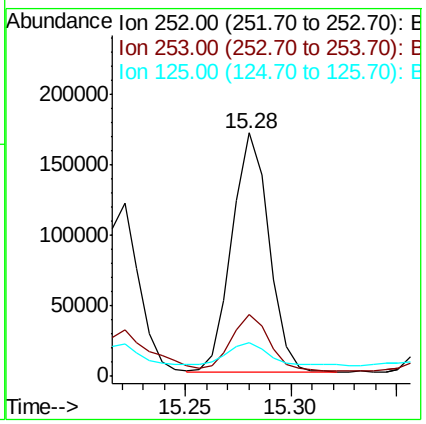




#90
Benzo(a)pyrene
Concen: 10.555 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:252 Resp: 208356

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	13.8	7.8	11.6#



Instrument :
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ClientSampleId :
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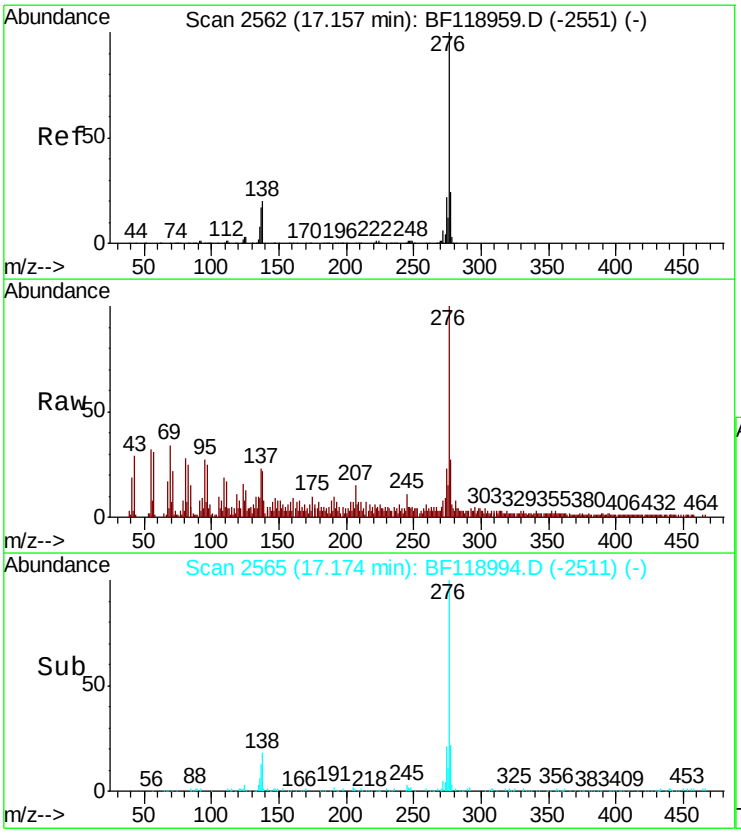
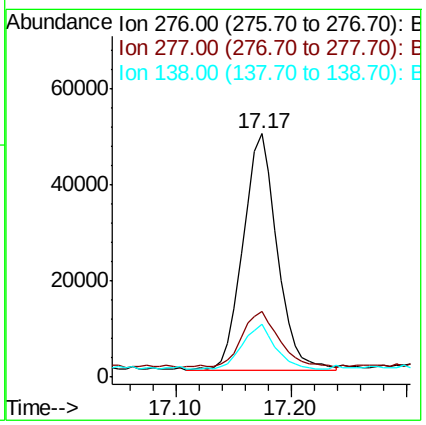


#92
Benzo(g,h,i)perylene
Concen: 5.927 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.02 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:276 Resp: 101716

Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.2	28.8
138	21.6	16.2	24.4