Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118505.D
Acq On : 8 Jan 2020 18:25
Operator : JU
Sample : L1016-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 09 03:35:51 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 :
SU-02-010720

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	154372	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	549786	20.00	ng		0.00
39) Acenaphthene-d10	9.87	164	251595	20.00	ng		-0.01
64) Phenanthrene-d10	11.37	188	396355	20.00	ng		0.00
76) Chrysene-d12	14.03	240	361993	20.00	ng		-0.01
87) Perylene-d12	15.52	264	418351	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	218442	23.36	ng		0.00
7) Phenol-d6	6.46	99	286815	25.65	ng		-0.01
23) Nitrobenzene-d5	7.39	82	164778	15.74	ng		-0.01
42) 2,4,6-Tribromophenol	10.67	330	68778	23.17	ng		-0.01
45) 2-Fluorobiphenyl	9.19	172	382667	21.81	ng		-0.01
79) Terphenyl-d14	12.96	244	339861	14.88	ng		0.00
Target Compounds							Qvalue
58) Fluorene	10.43	166	43948	2.461	ng		97
71) Phenanthrene	11.40	178	370371	16.681	ng		99
72) Anthracene	11.45	178	108509	4.912	ng		98
75) Fluoranthene	12.60	202	614627	27.235	ng		97
78) Pyrene	12.83	202	532028	17.863	ng		100
81) Benzo(a)anthracene	14.02	228	309934	12.232	ng		97
83) Chrysene	14.06	228	265122	10.768	ng		97
86) Indeno(1,2,3-cd)pyrene	17.02	276	129573	6.537	ng	#	93
88) Benzo(b)fluoranthene	15.08	252	394634m	13.047	ng		
89) Benzo(k)fluoranthene	15.10	252	134478m	4.658	ng		
90) Benzo(a)pyrene	15.46	252	290375	11.715	ng		97
92) Benzo(g,h,i)perylene	17.47	276	137665	6.251	ng		97

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

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Misc :
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BNA_F
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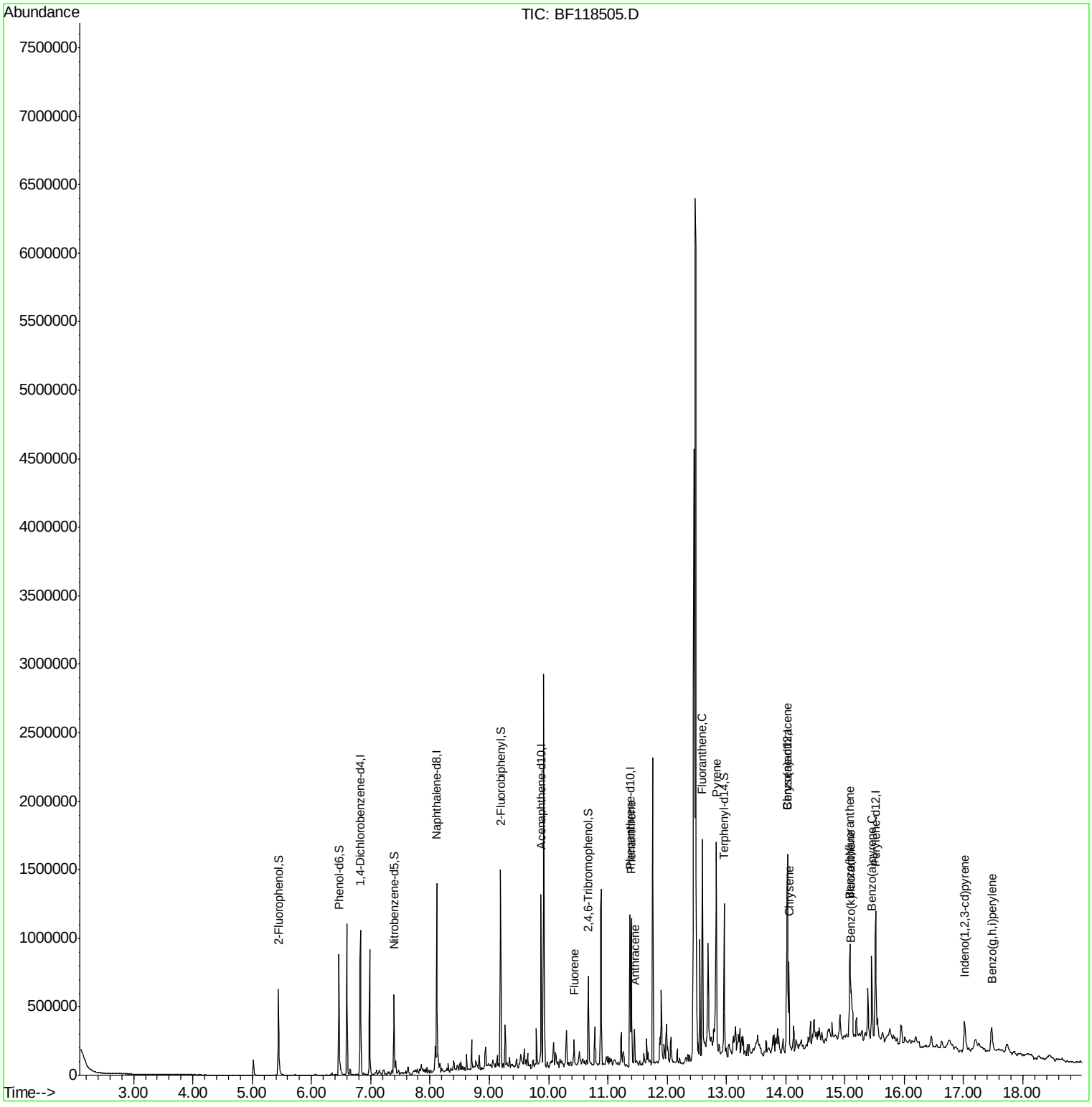
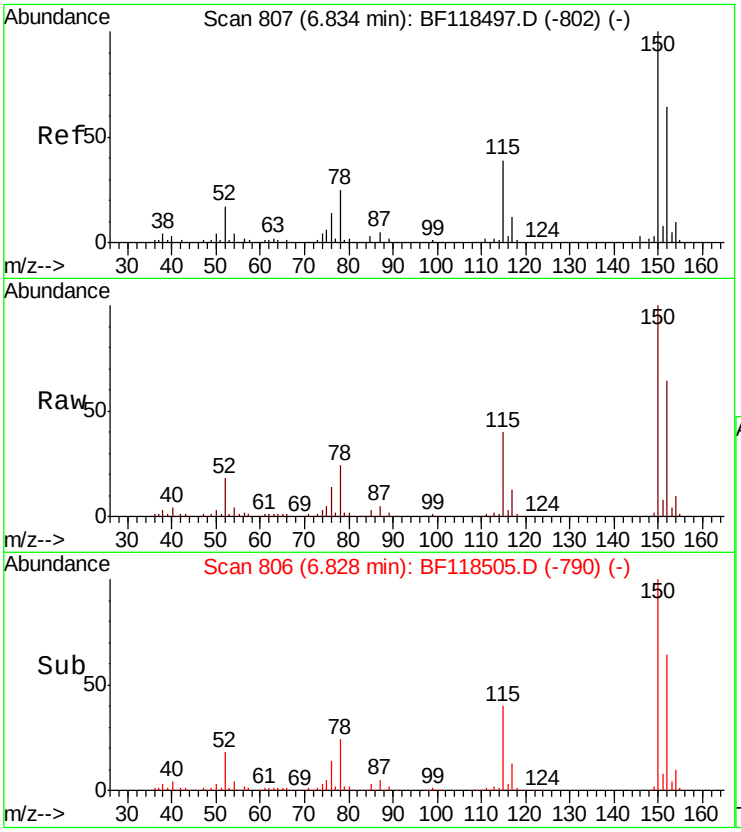
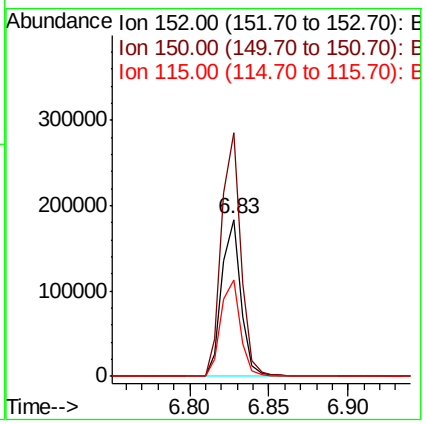




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:152 Resp: 154372

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.7	187.1
115	61.5	49.0	73.6



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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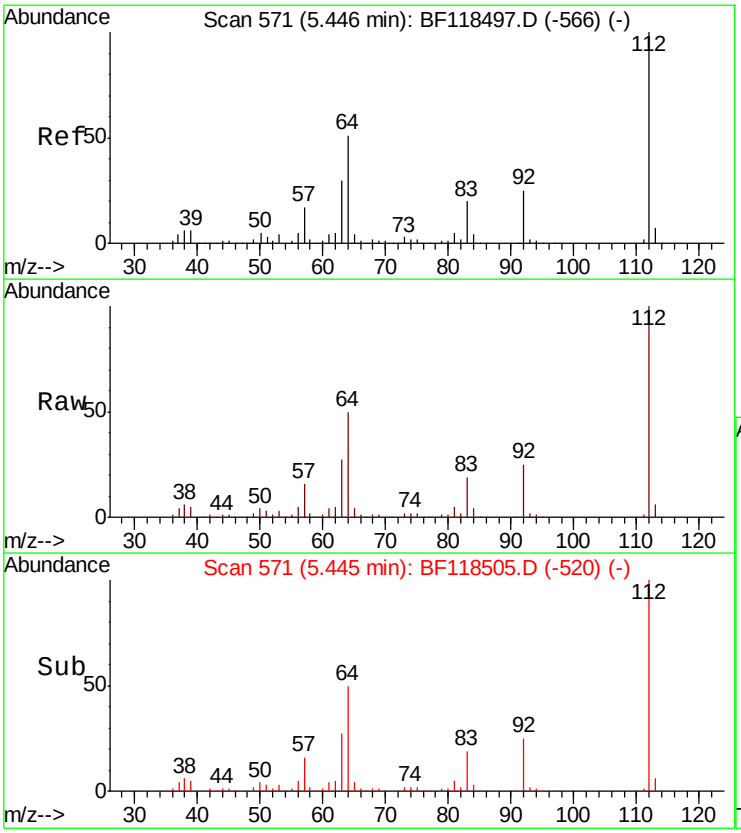
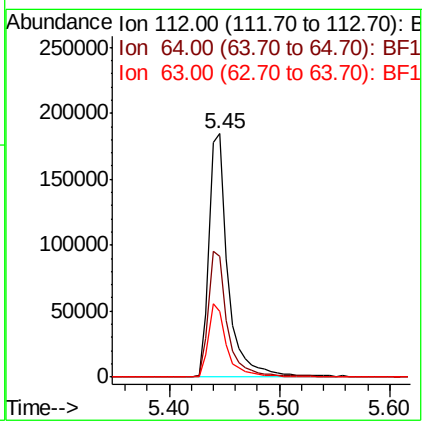
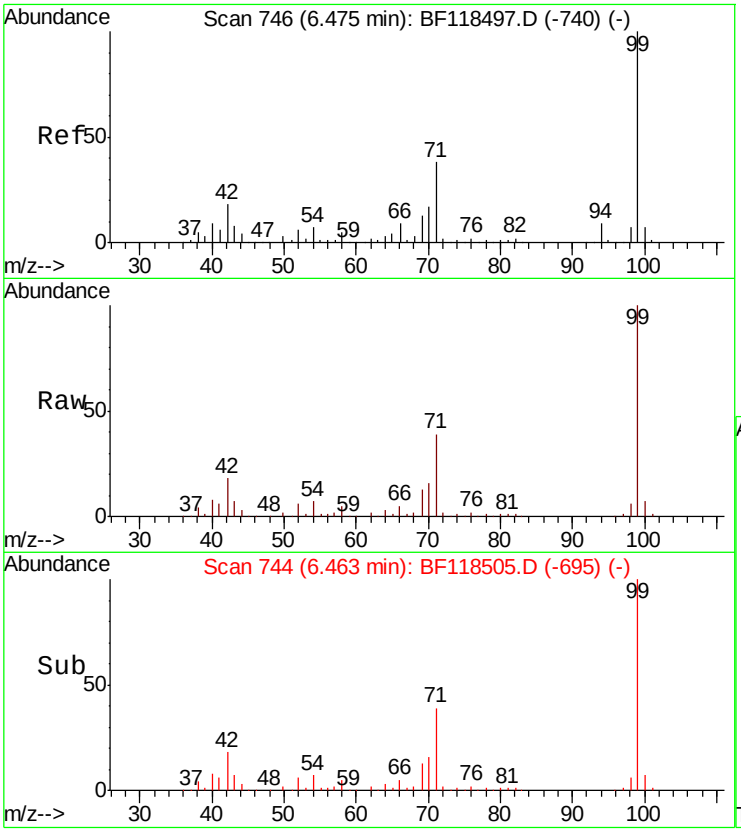


#5
2-Fluorophenol
Concen: 23.359 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.00 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:112 Resp: 218442

Ion	Ratio	Lower	Upper
112	100		
64	49.6	41.1	61.7
63	26.8	24.1	36.1

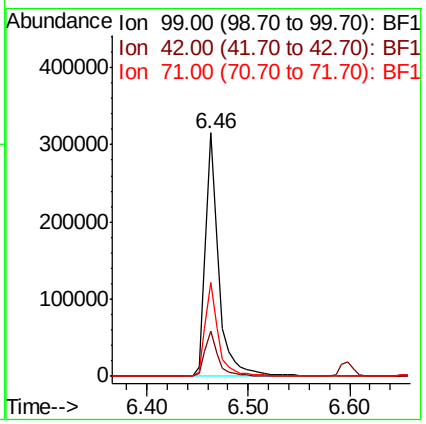




#7
Phenol-d6
Concen: 25.653 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion: 99 Resp: 286815

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	38.7	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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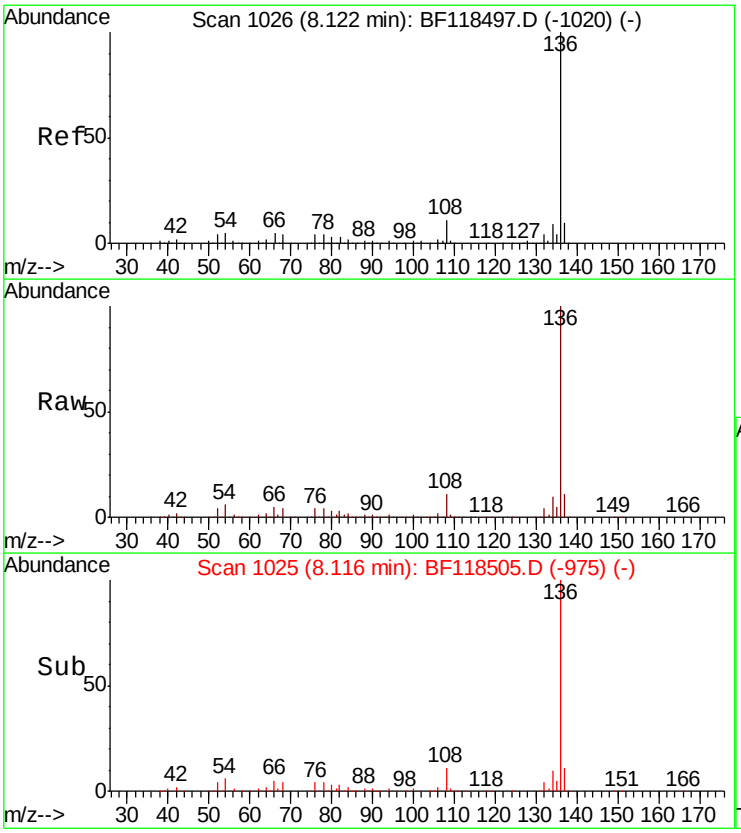
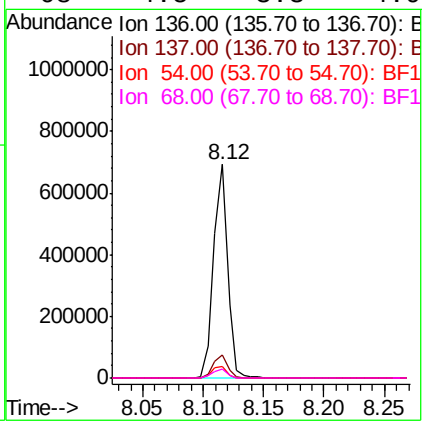
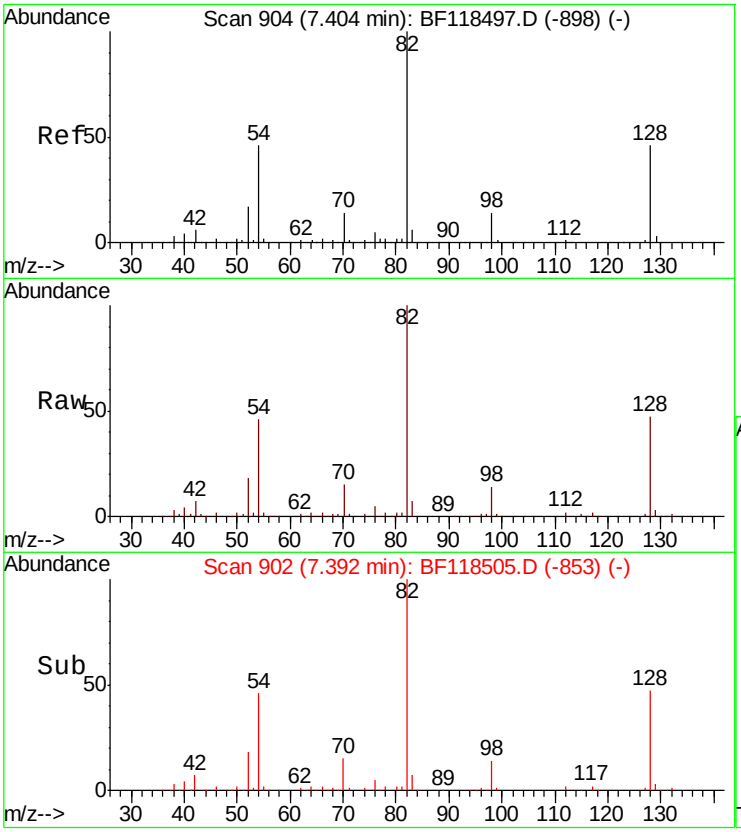


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:136 Resp: 549786

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.3	12.5
54	5.6	4.2	6.2
68	4.5	3.3	4.9

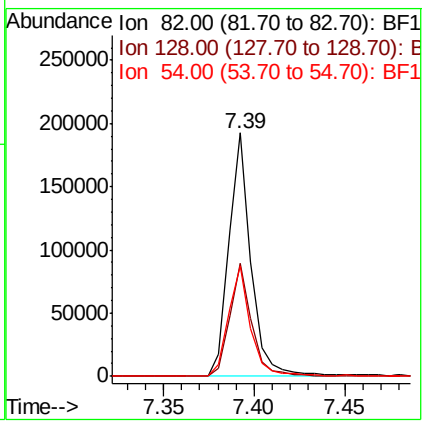




#23
Nitrobenzene-d5
Concen: 15.744 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion: 82 Resp: 164778

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.6	54.8
54	45.6	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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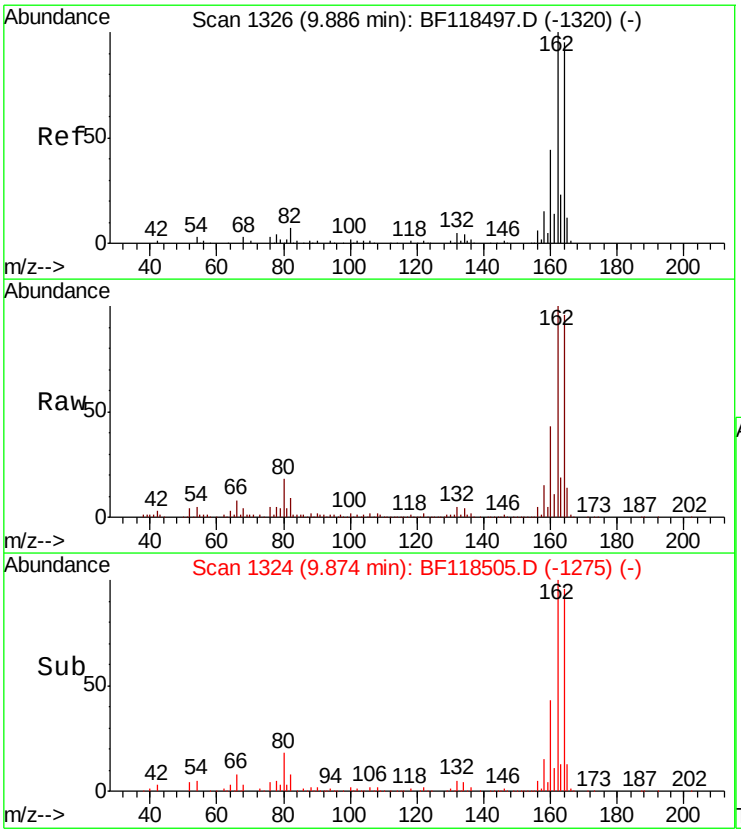
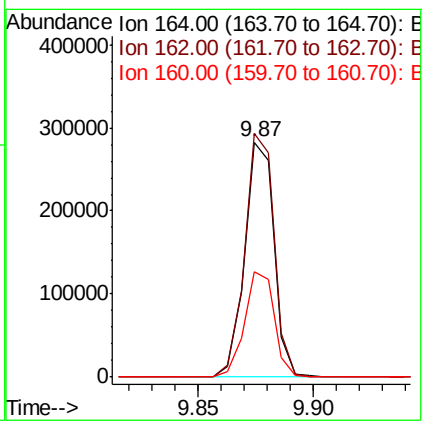
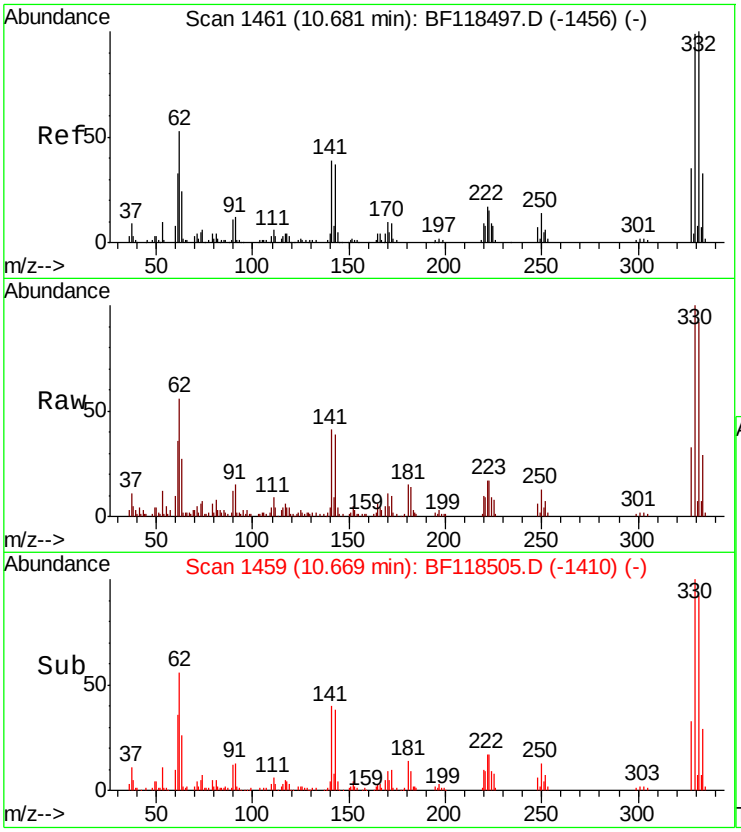


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:164 Resp: 251595

Ion	Ratio	Lower	Upper
164	100		
162	103.7	84.2	126.4
160	44.8	36.8	55.2

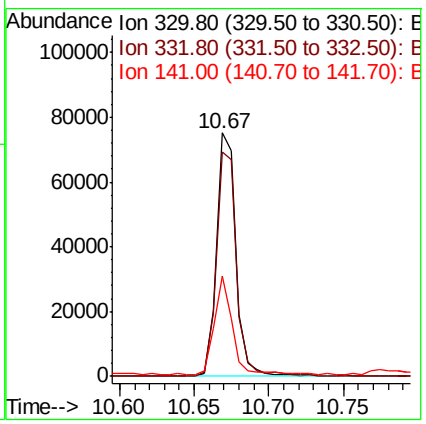




#42
2,4,6-Tribromophenol
Concen: 23.167 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:330 Resp: 68778

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.9	116.9
141	36.2	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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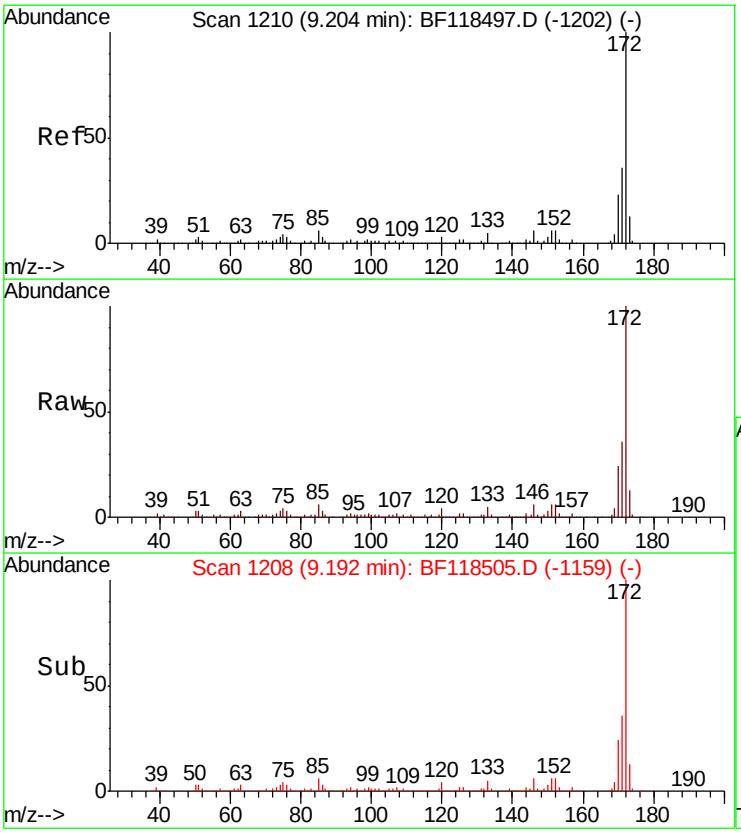
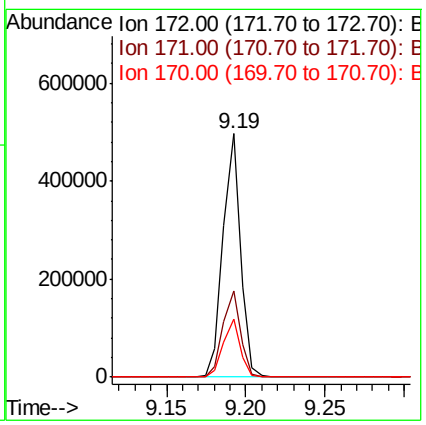
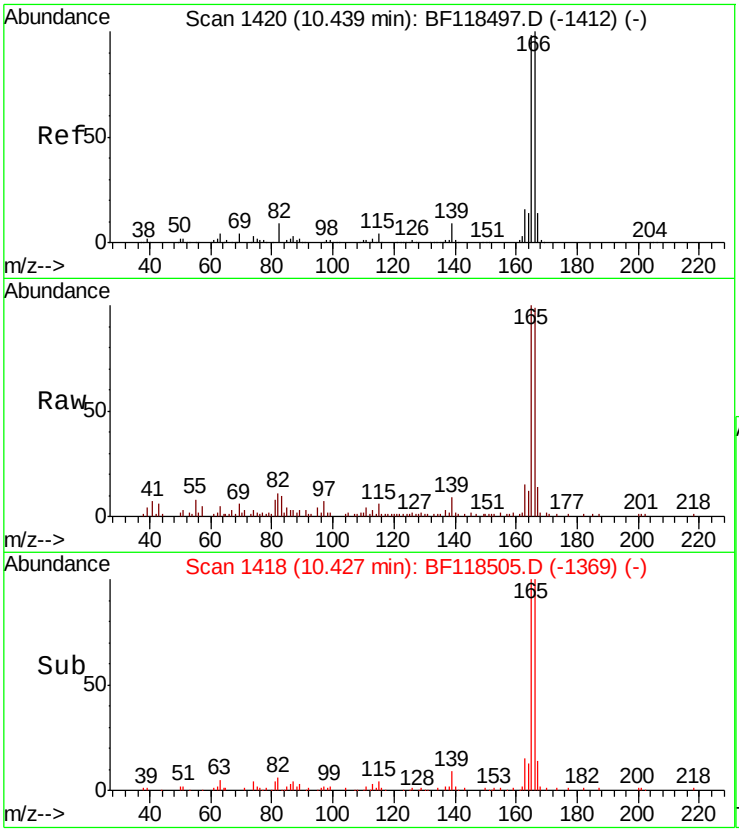


#45
2-Fluorobiphenyl
Concen: 21.814 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:172 Resp: 382667

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.6	18.6	27.8

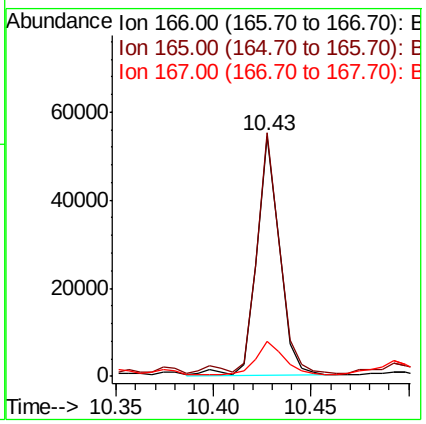




#58
Fluorene
Concen: 2.461 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:166 Resp: 43948

Ion	Ratio	Lower	Upper
166	100		
165	101.5	78.6	117.8
167	14.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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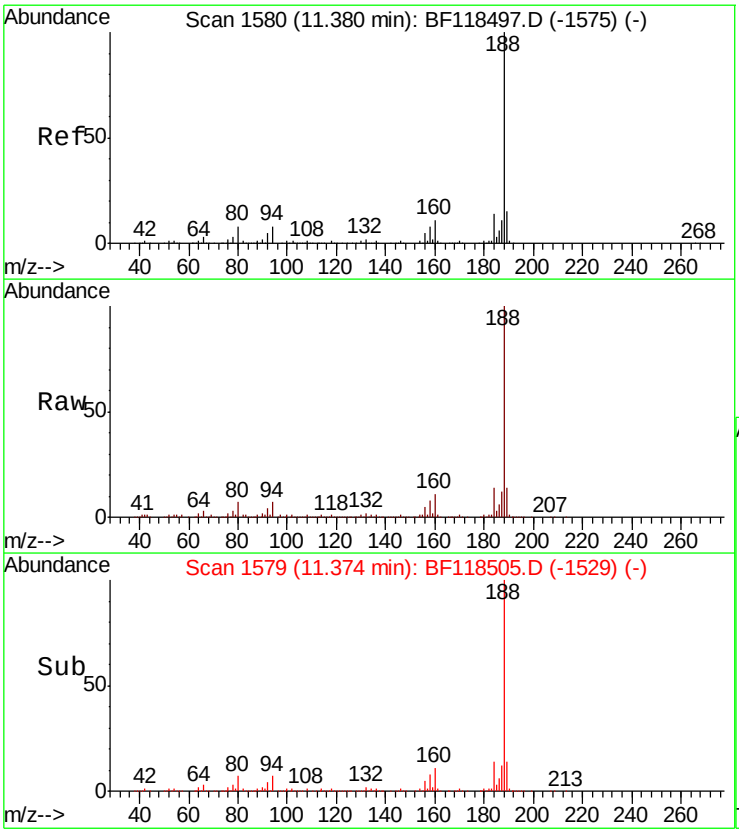
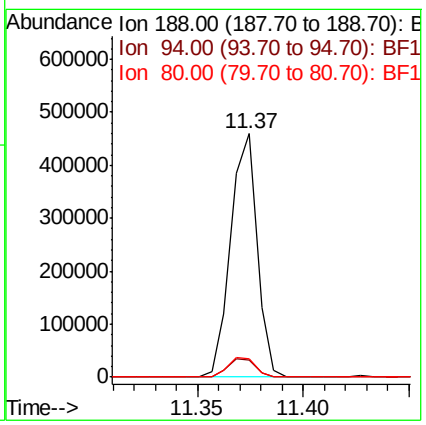
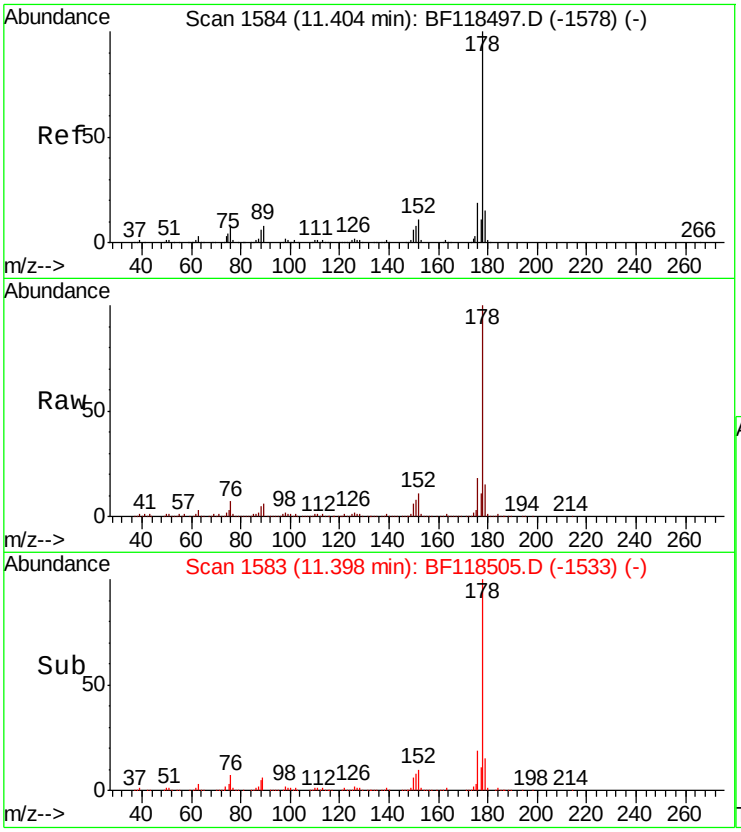


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:188 Resp: 396355

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.4
80	7.4	6.6	10.0

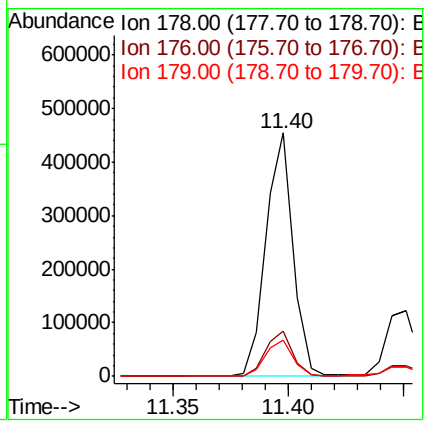




#71
Phenanthrene
Concen: 16.681 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:178 Resp: 370371

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.0	12.3	18.5



Instrument :
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ClientSampleId :
SU-02-010720

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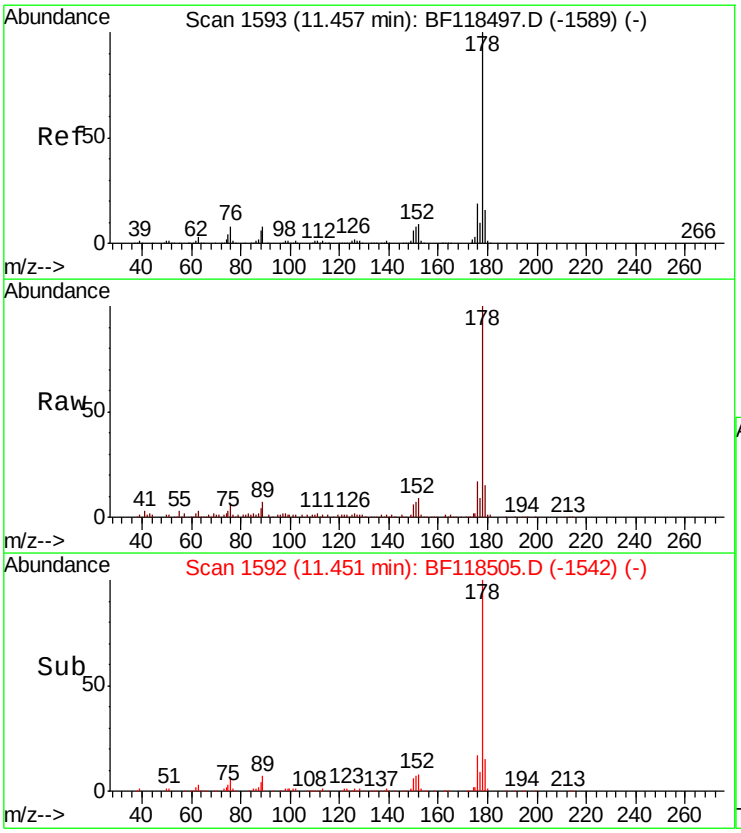
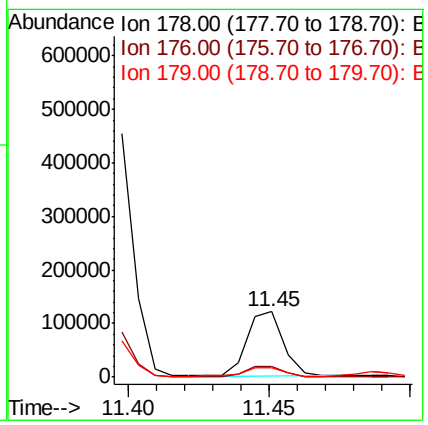
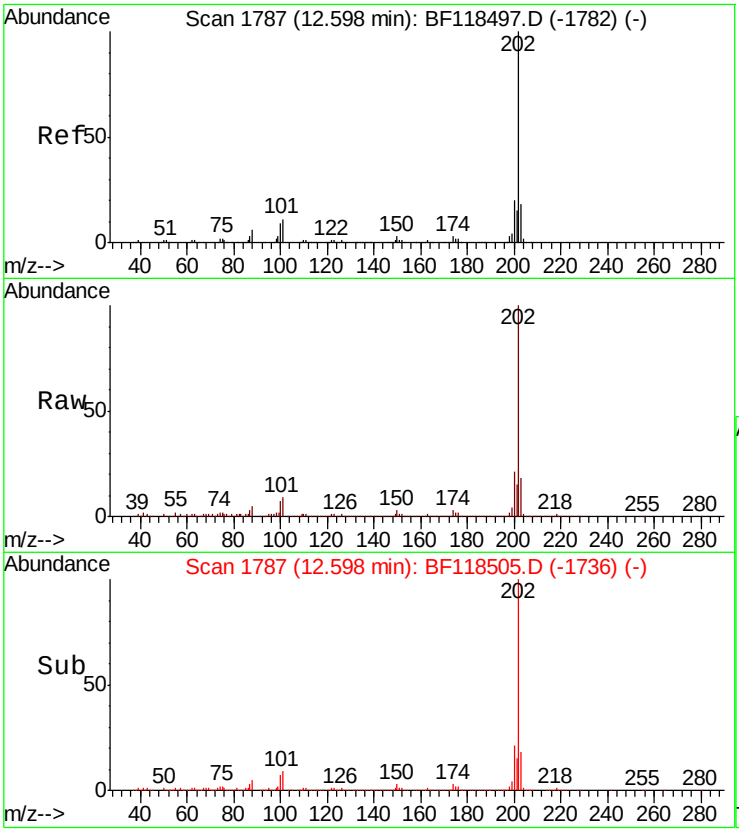


#72
Anthracene
Concen: 4.912 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:178 Resp: 108509

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.0	22.4
179	15.3	12.6	19.0

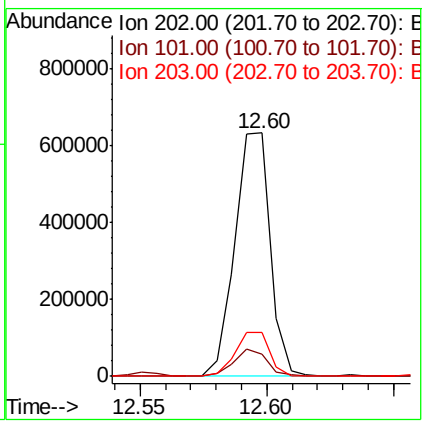




#75
Fluoranthene
Concen: 27.235 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:202 Resp: 614627

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	31.4
203	17.9	0.0	38.1



Instrument :
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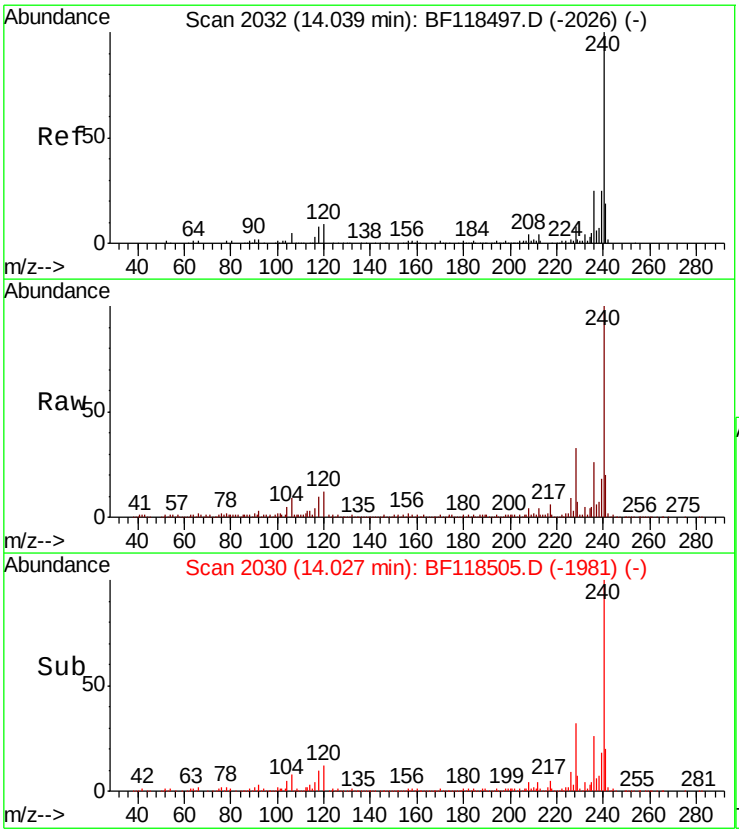
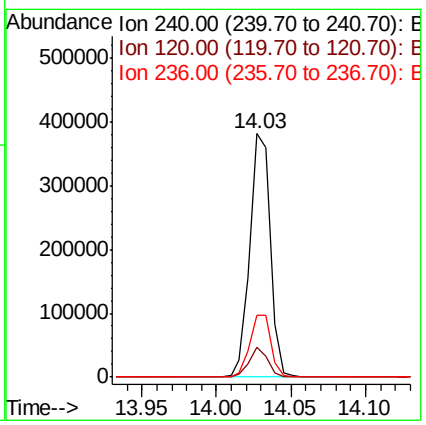
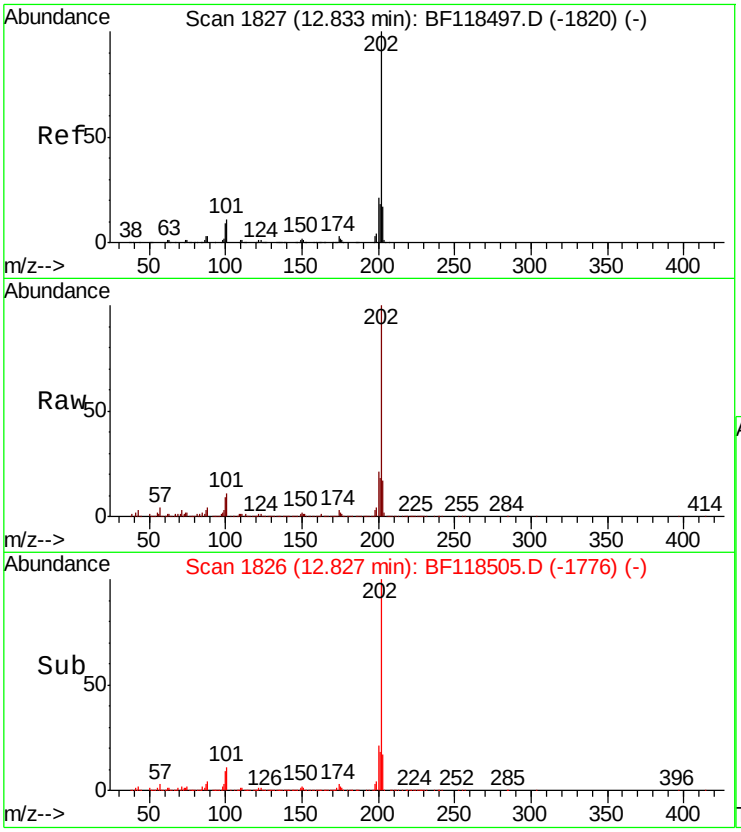


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:240 Resp: 361993

Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.0	10.6#
236	25.6	20.1	30.1

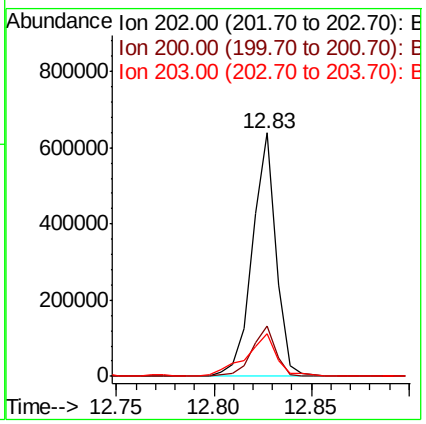




#78
Pyrene
Concen: 17.863 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:202 Resp: 532028

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.4	13.9	20.9



Instrument :
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ClientSampleId :
SU-02-010720

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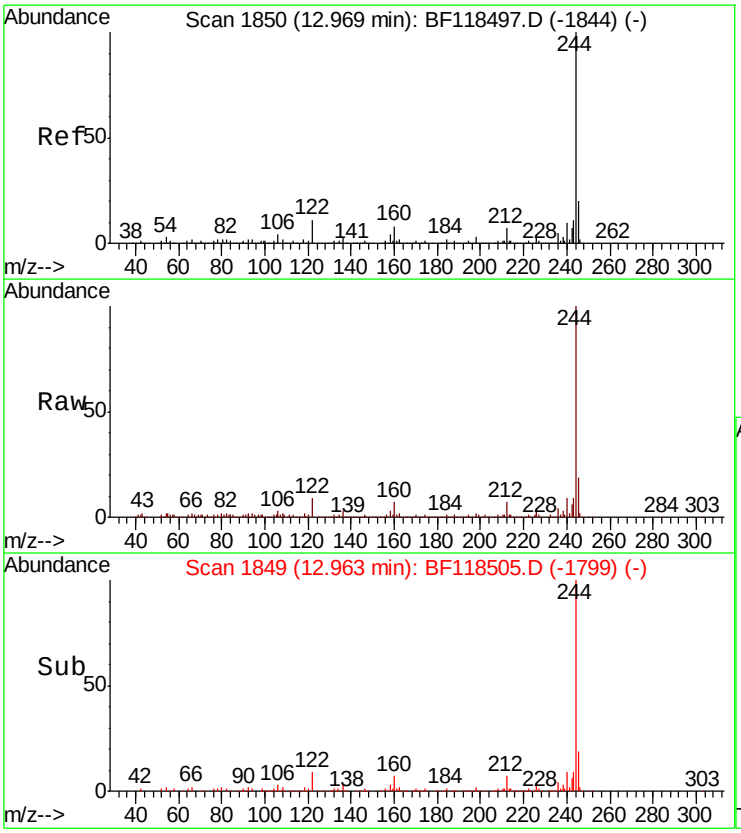
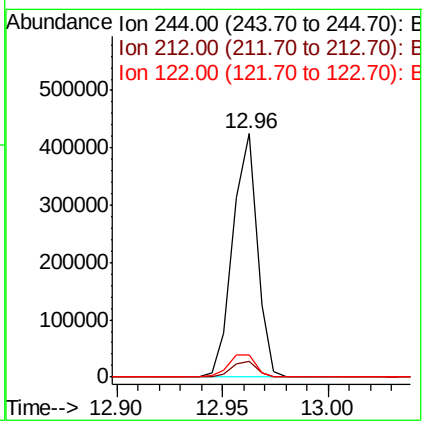
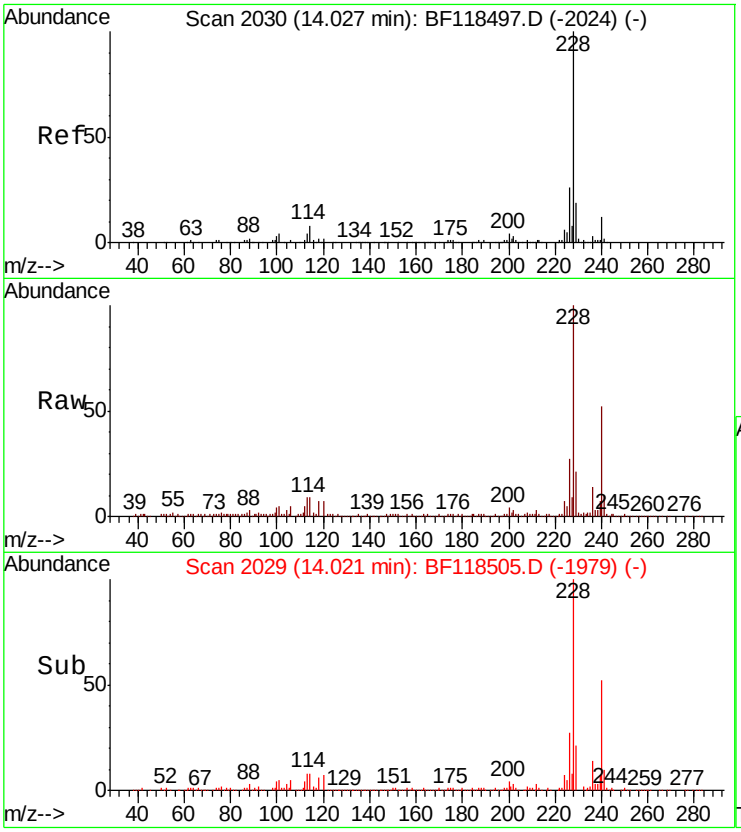


#79
Terphenyl-d14
Concen: 14.878 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:244 Resp: 339861

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	9.3	9.0	13.6

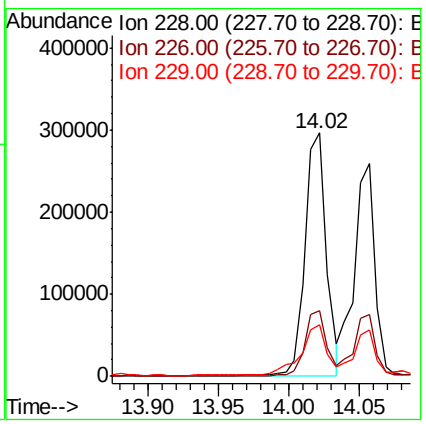




#81
Benzo(a)anthracene
Concen: 12.232 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:228 Resp: 309934

Ion	Ratio	Lower	Upper
228	100		
226	27.2	20.7	31.1
229	21.3	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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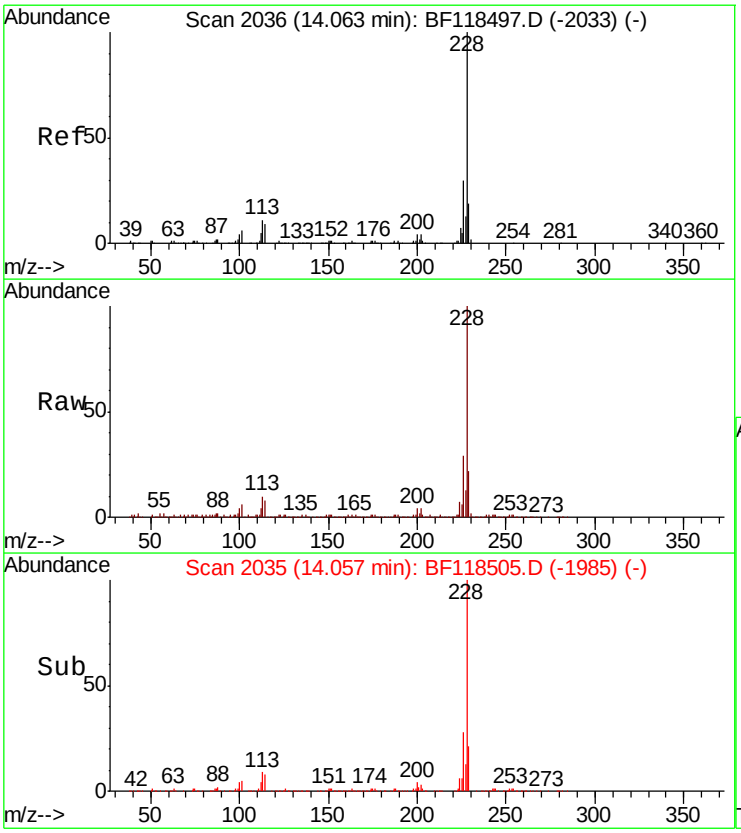
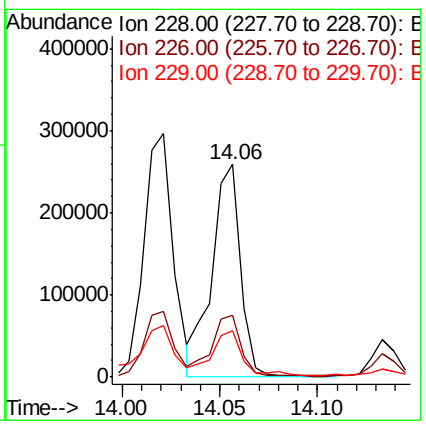
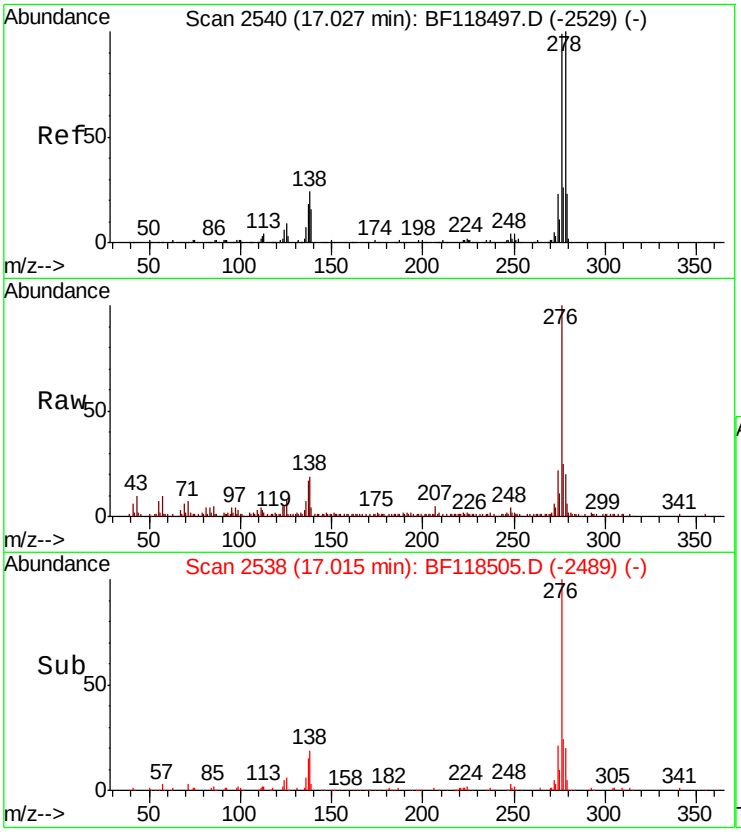


#83
Chrysene
Concen: 10.768 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:228 Resp: 265122

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.6	35.4
229	21.8	15.6	23.4





#86
Indeno(1,2,3-cd)pyrene
Concen: 6.537 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:276 Resp: 129573

Ion	Ratio	Lower	Upper
276	100		
138	18.8	19.0	28.4#
277	23.9	20.5	30.7

Instrument :
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ClientSampleId :
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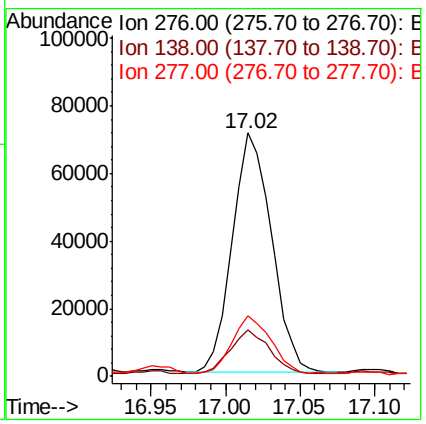
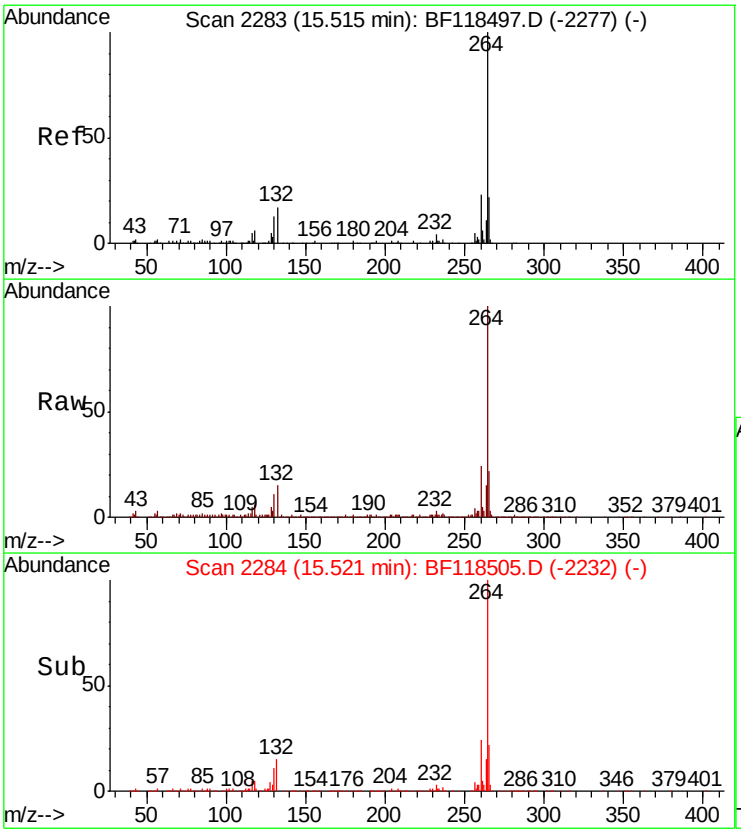
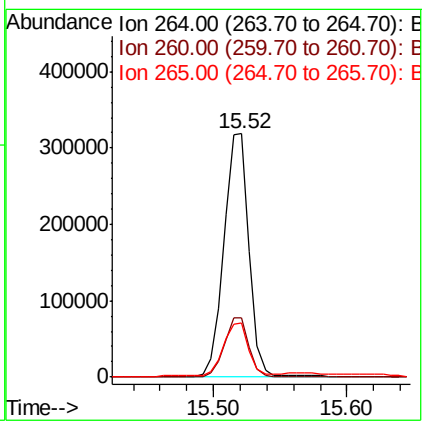


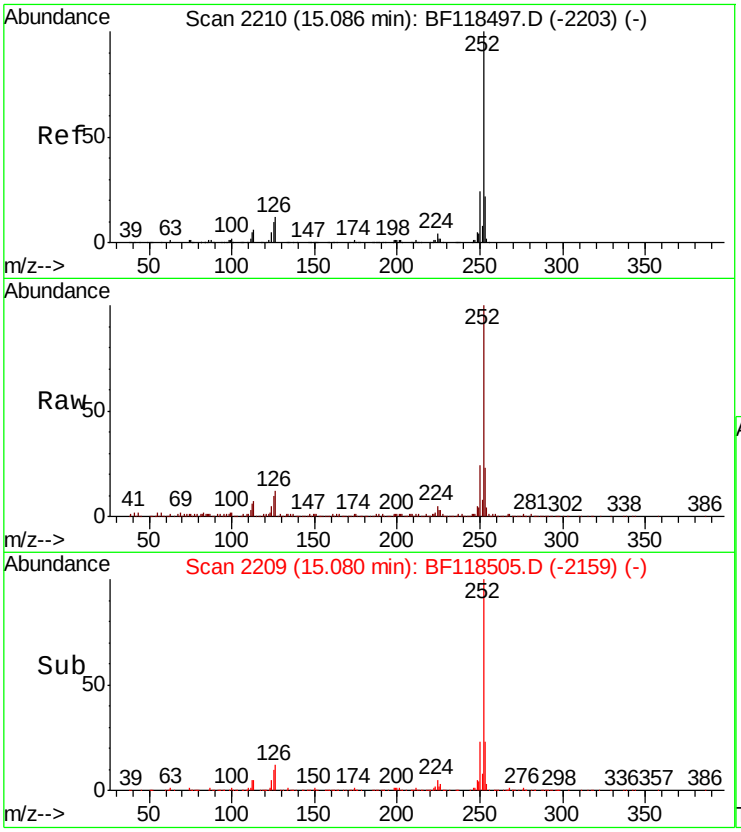


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:264 Resp: 418351

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.3	17.5	26.3

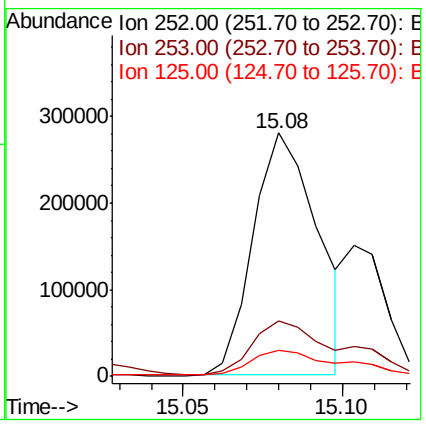




#88
Benzo(b)fluoranthene
Concen: 13.047 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:252 Resp: 394634

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	10.5	7.8	11.6



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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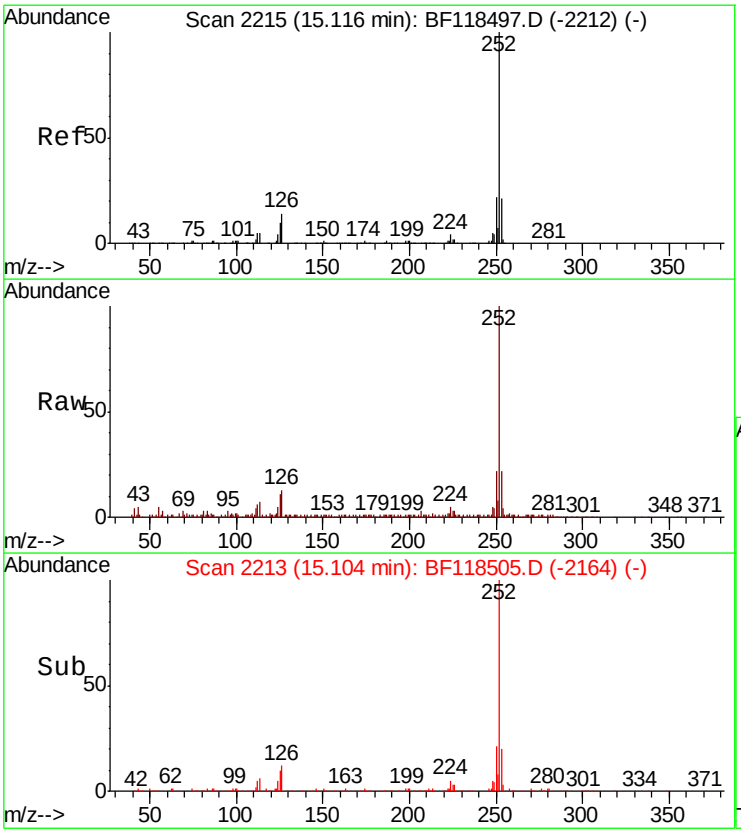
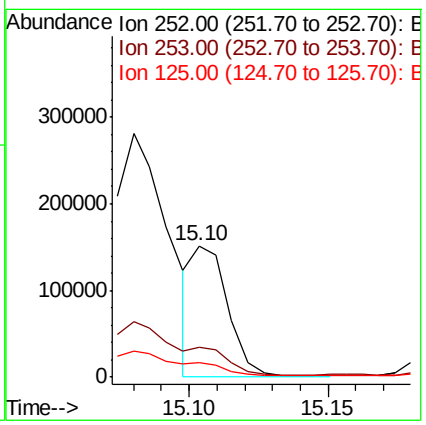
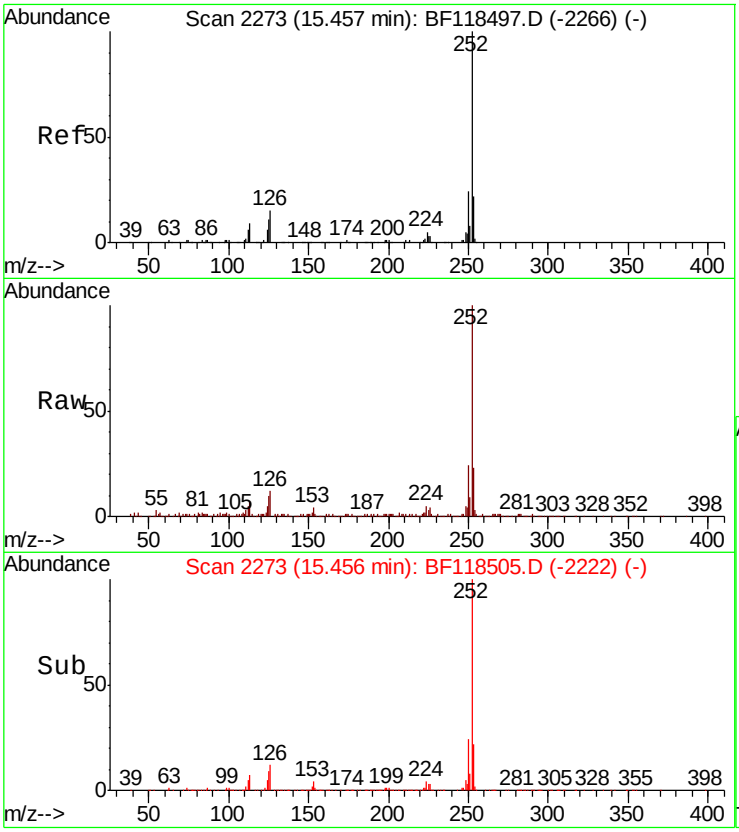


#89
Benzo(k)fluoranthene
Concen: 4.658 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:252 Resp: 134478

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	11.0	7.8	11.6

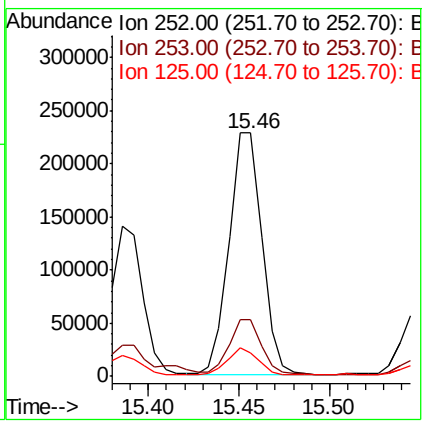




#90
Benzo(a)pyrene
Concen: 11.715 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:252 Resp: 290375

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	9.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SU-02-010720

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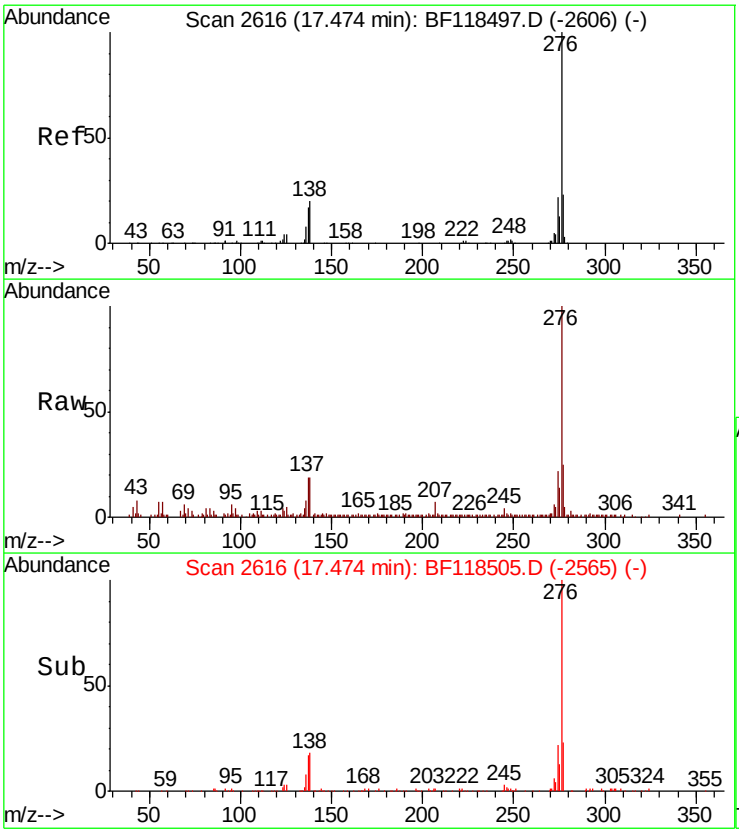

#92
Benzo(g,h,i)perylene
Concen: 6.251 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.00 min
Lab File: BF118505.D
Acq: 8 Jan 2020 18:25

Tgt Ion:276 Resp: 137665

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.2	27.4
138	19.2	16.3	24.5