Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
Data File : BF117970.D
Acq On : 23 Nov 2019 21:25
Operator : JU
Sample : K5671-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Manual Integrations APPROVED
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Quant Time: Nov 25 08:50:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	123529	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	557831	20.00	ng	-0.02
39) Acenaphthene-d10	9.95	164	295797	20.00	ng	-0.02
64) Phenanthrene-d10	11.44	188	545250	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	268404	20.00	ng	-0.02
87) Perylene-d12	15.60	264	306518	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	648077	92.87	ng	-0.02
7) Phenol-d6	6.52	99	833110	98.98	ng	-0.02
23) Nitrobenzene-d5	7.46	82	512780	54.64	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	275482	87.97	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	1056117	64.05	ng	-0.02
79) Terphenyl-d14	13.03	244	900582	61.32	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.66	163	189741	9.147	ng	97
71) Phenanthrene	11.47	178	342746	12.503	ng	97
72) Anthracene	11.52	178	95521	3.514	ng	97
75) Fluoranthene	12.66	202	421863	11.257	ng	99
78) Pyrene	12.89	202	366756	16.908	ng	97
81) Benzo(a)anthracene	14.08	228	168650	9.509	ng	99
83) Chrysene	14.12	228	145495	8.466	ng	98
86) Indeno(1,2,3-cd)pyrene	17.12	276	105087	7.184	ng	96
88) Benzo(b)fluoranthene	15.15	252	200086m	10.047	ng	
89) Benzo(k)fluoranthene	15.18	252	71383m	3.804	ng	
90) Benzo(a)pyrene	15.53	252	149579	8.542	ng	99
92) Benzo(g,h,i)perylene	17.58	276	104940	6.990	ng	99

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

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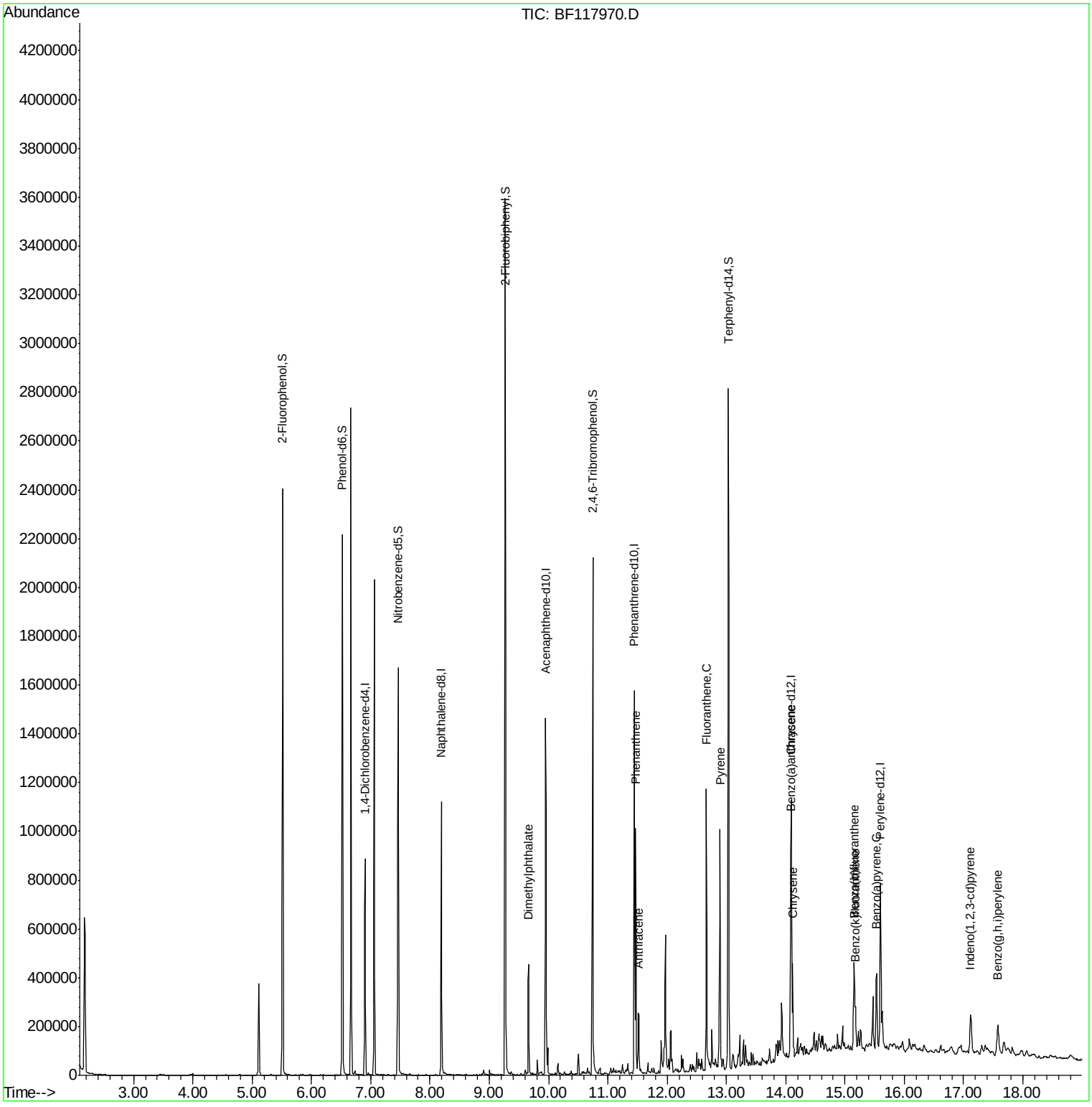
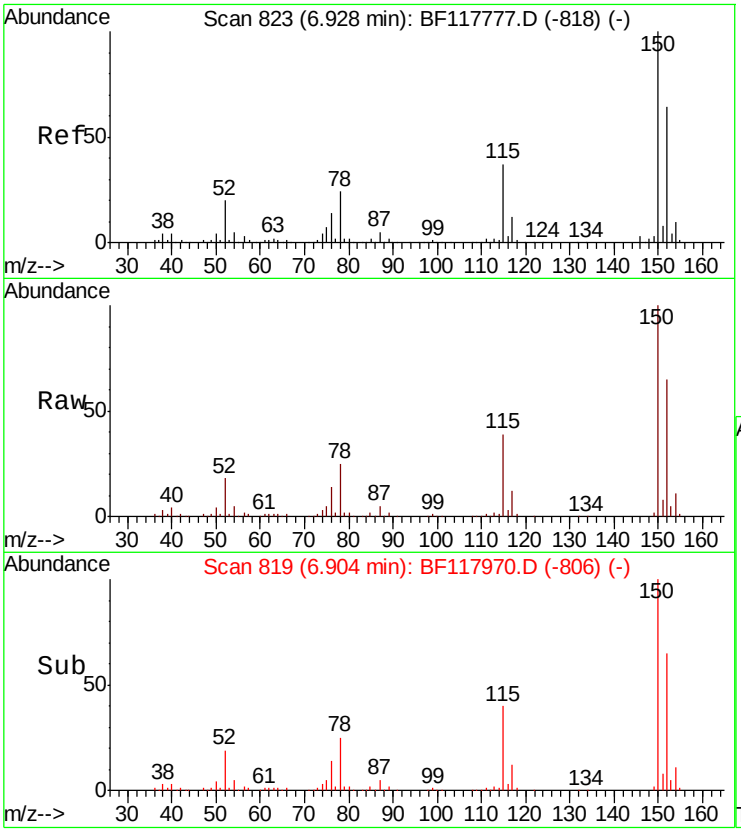
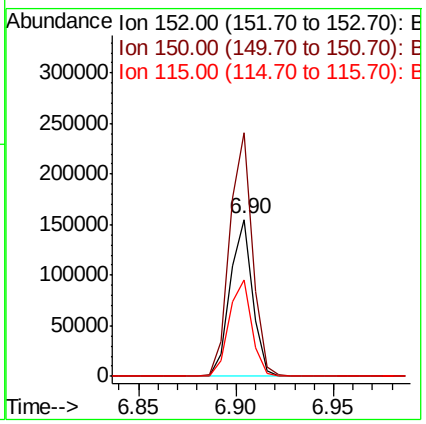




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:152 Resp: 123529

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.3	187.9
115	61.2	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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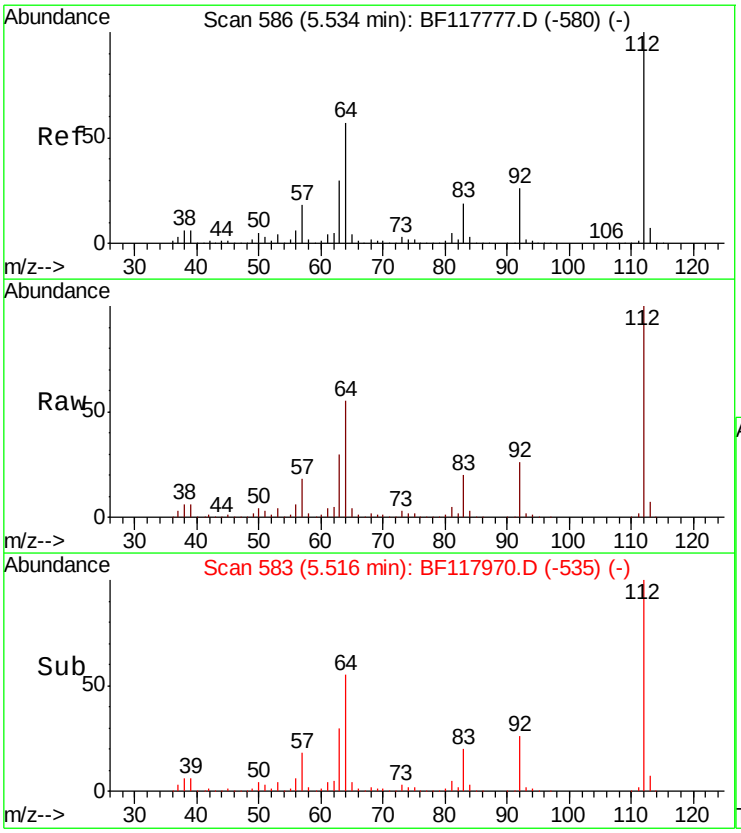
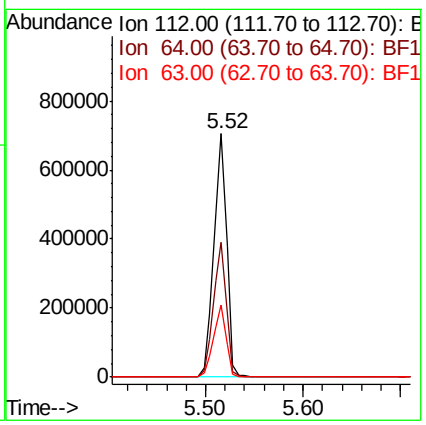
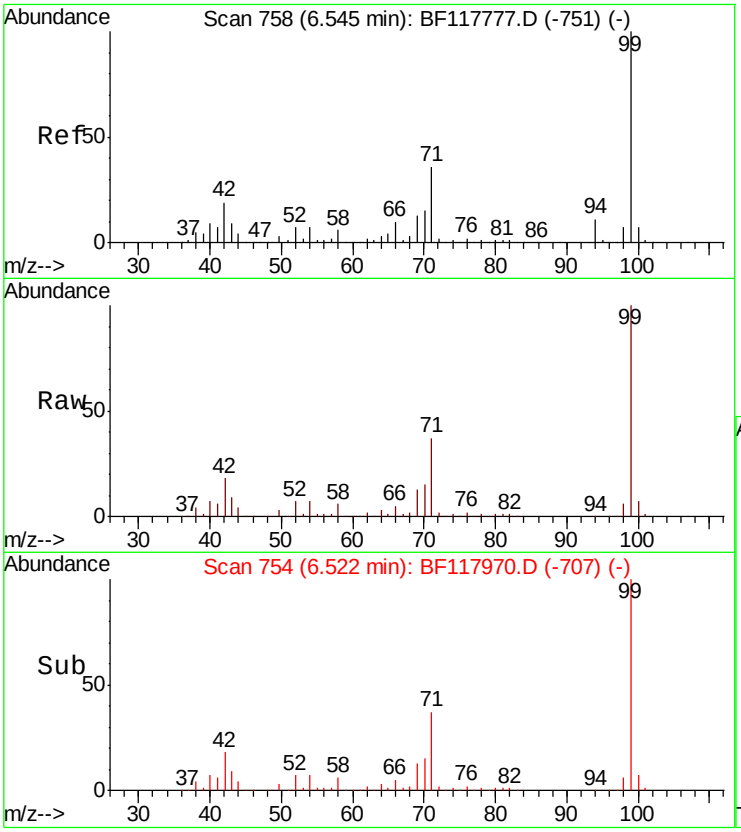


#5
2-Fluorophenol
Concen: 92.866 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:112 Resp: 648077

Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.6	68.4
63	29.8	24.1	36.1

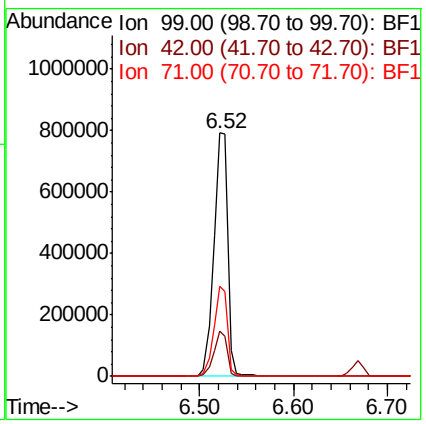




#7
Phenol-d6
Concen: 98.975 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion: 99 Resp: 833110

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.9	22.3
71	36.8	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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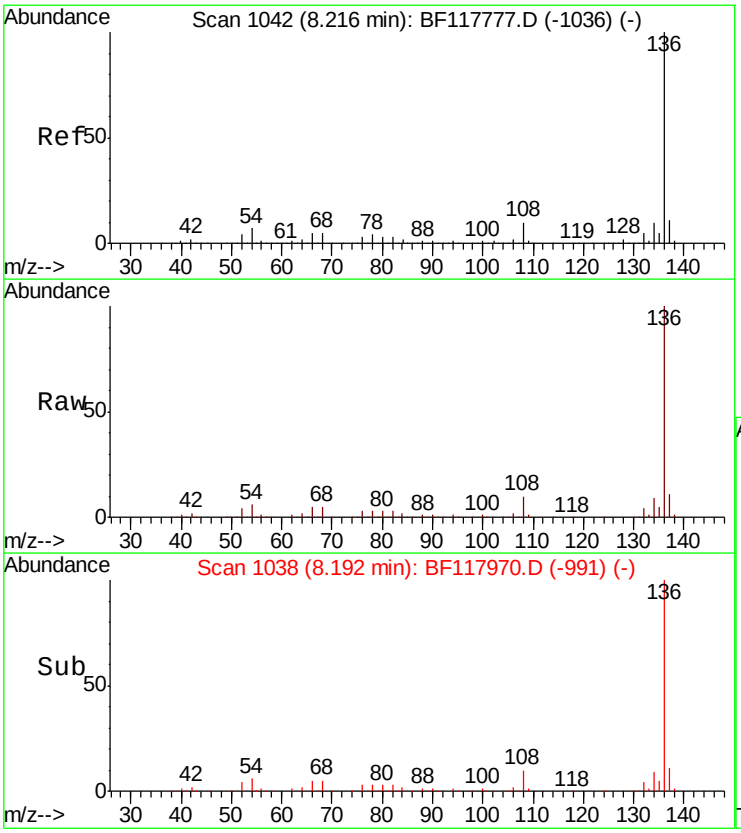
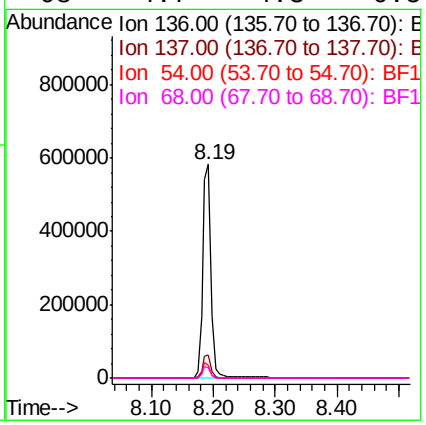
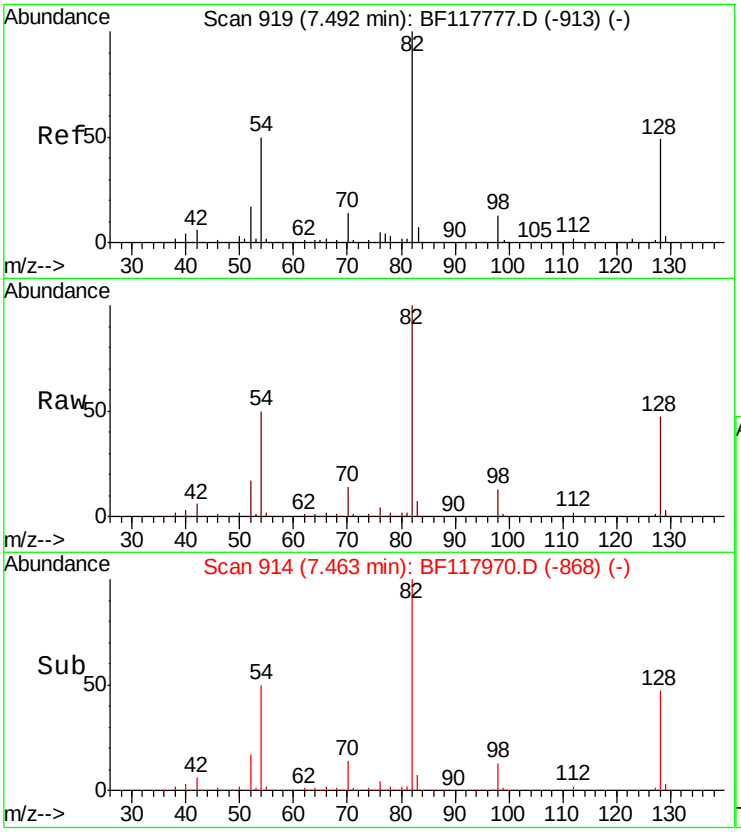


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:136 Resp: 557831

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.2	5.4	8.2
68	4.7	4.3	6.5

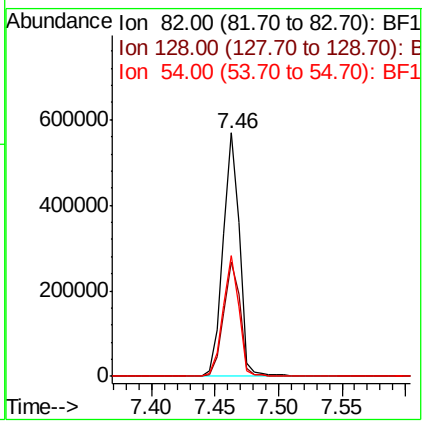




#23
Nitrobenzene-d5
Concen: 54.645 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion: 82 Resp: 512780

Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.9	58.3
54	49.6	39.8	59.6



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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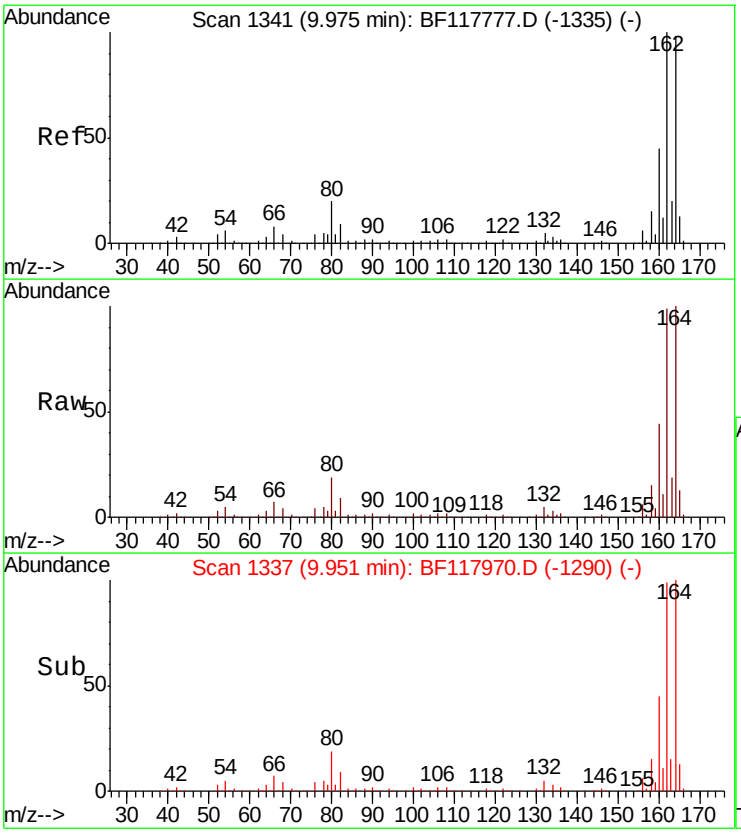
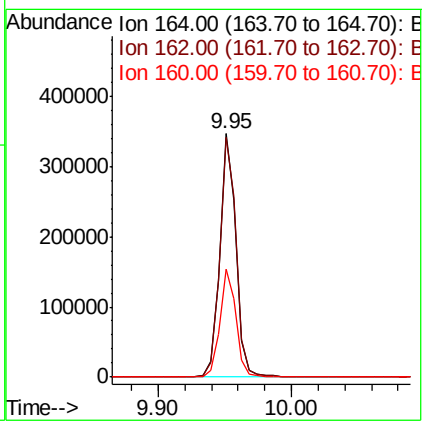
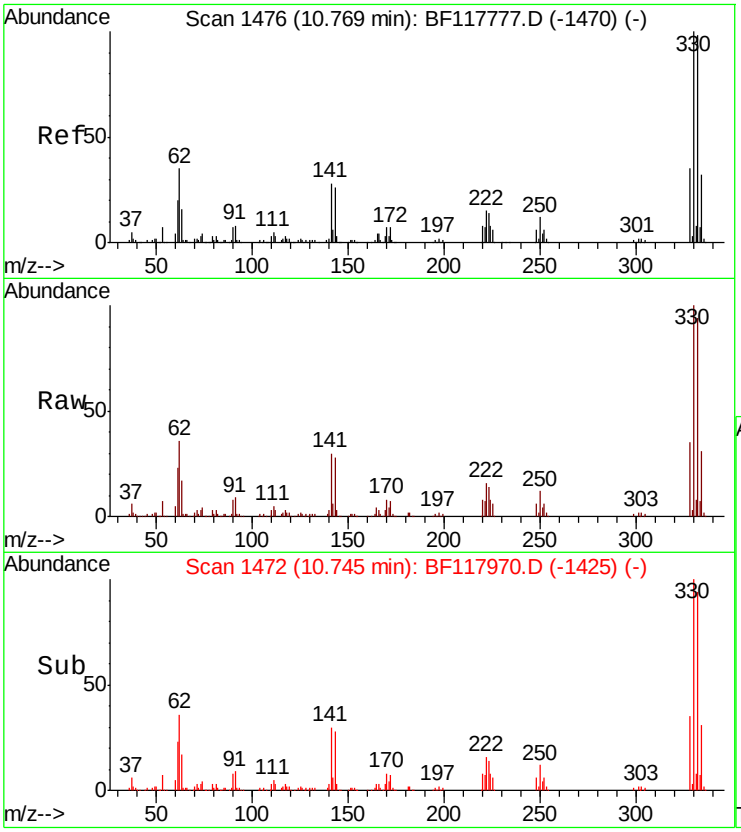


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:164 Resp: 295797

Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.3	121.9
160	44.4	36.6	55.0

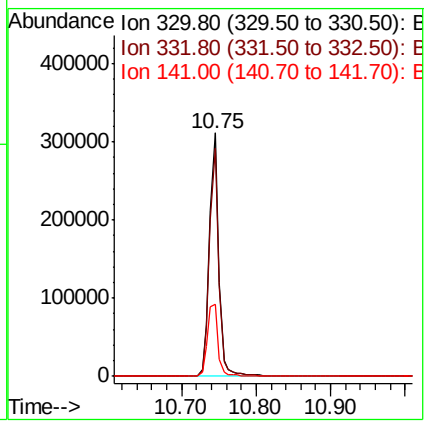




#42
2,4,6-Tribromophenol
Concen: 87.969 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:330 Resp: 275482

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.7	115.1
141	33.9	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

Manual Integrations APPROVED
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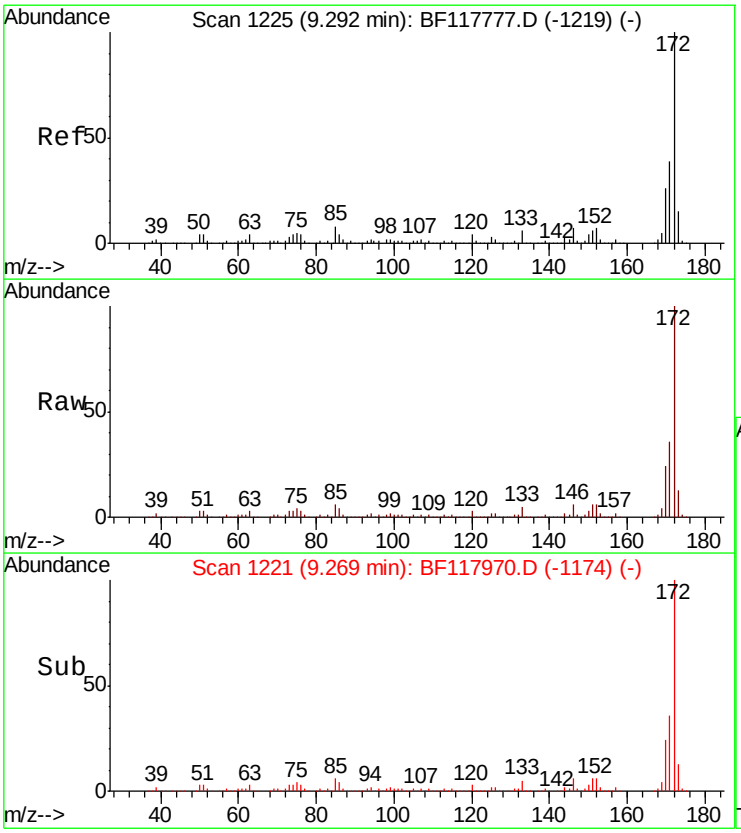
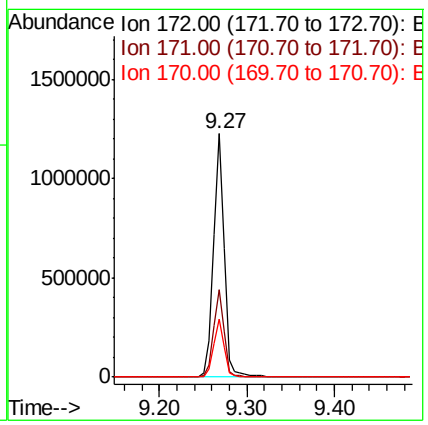
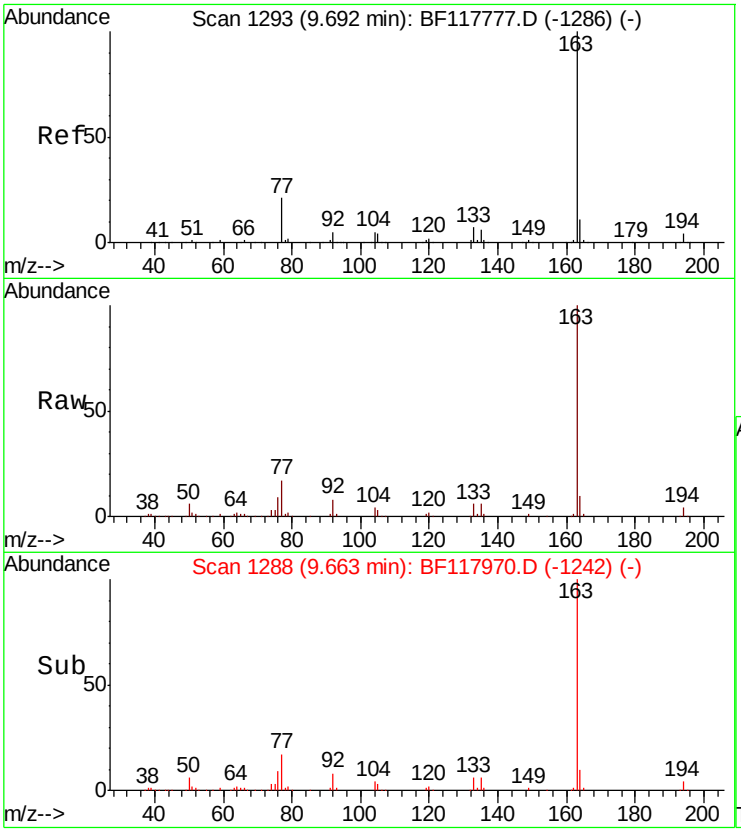


#45
2-Fluorobiphenyl
Concen: 64.054 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:172 Resp: 1056117

Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.9	46.3
170	24.1	21.0	31.4

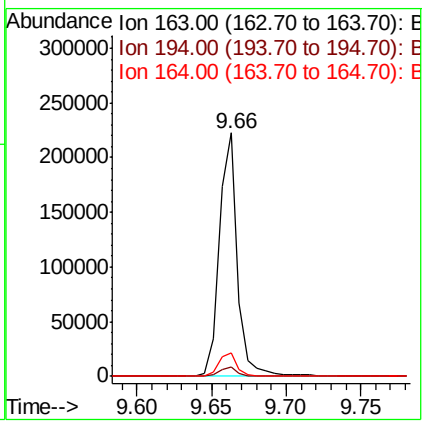




#50
Dimethylphthalate
Concen: 9.147 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:163 Resp: 189741

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.6	8.7	13.1



Instrument :
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ClientSampleId :
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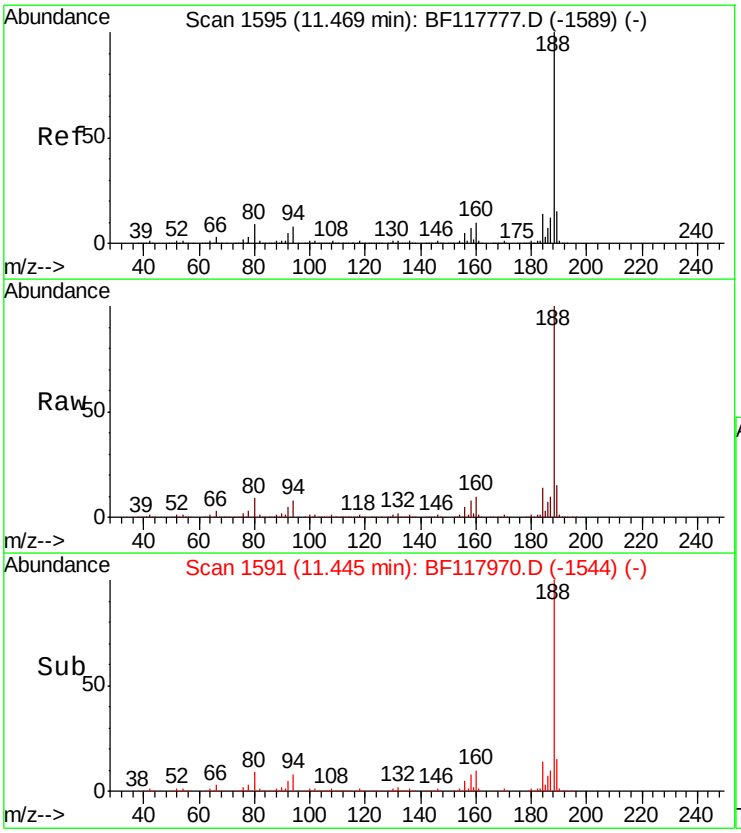
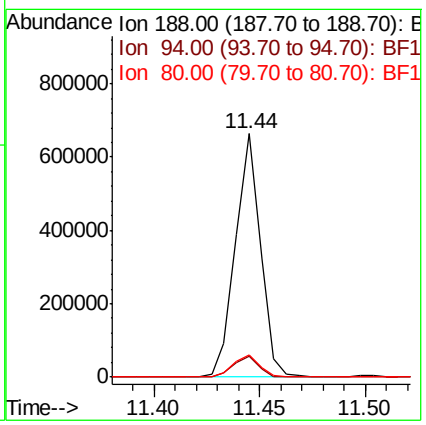
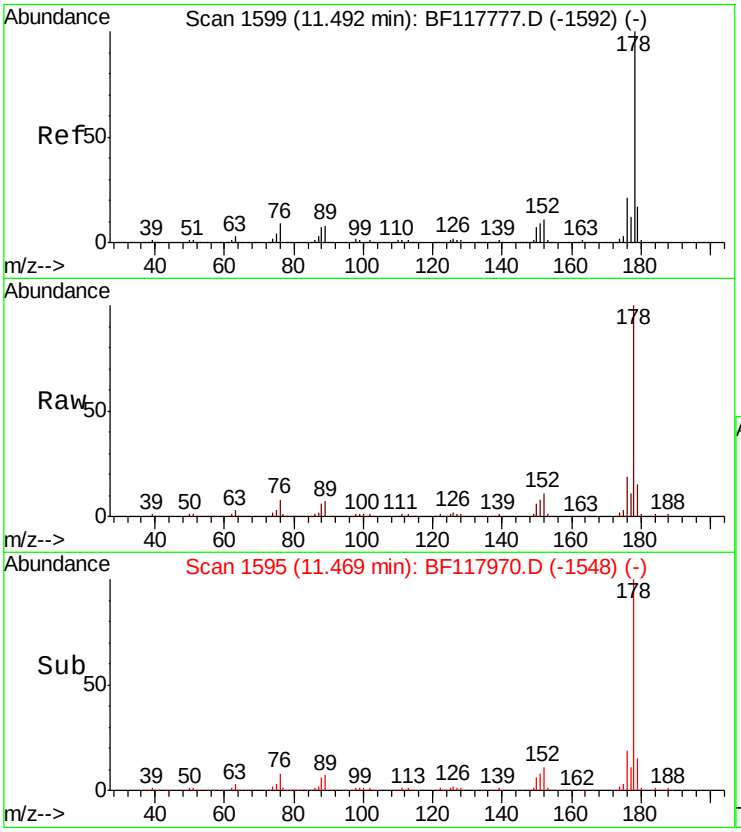


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:188 Resp: 545250

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.2	7.2	10.8

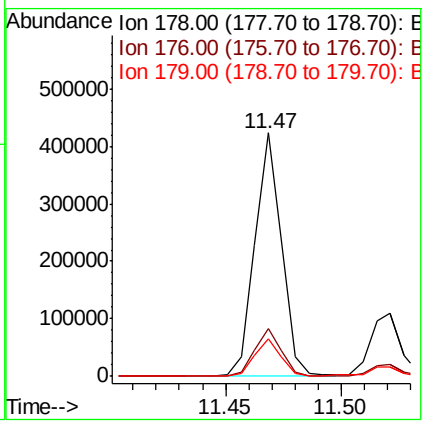




#71
Phenanthrene
Concen: 12.503 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:178 Resp: 342746

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	15.4	13.2	19.8



Instrument :
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ClientSampleId :
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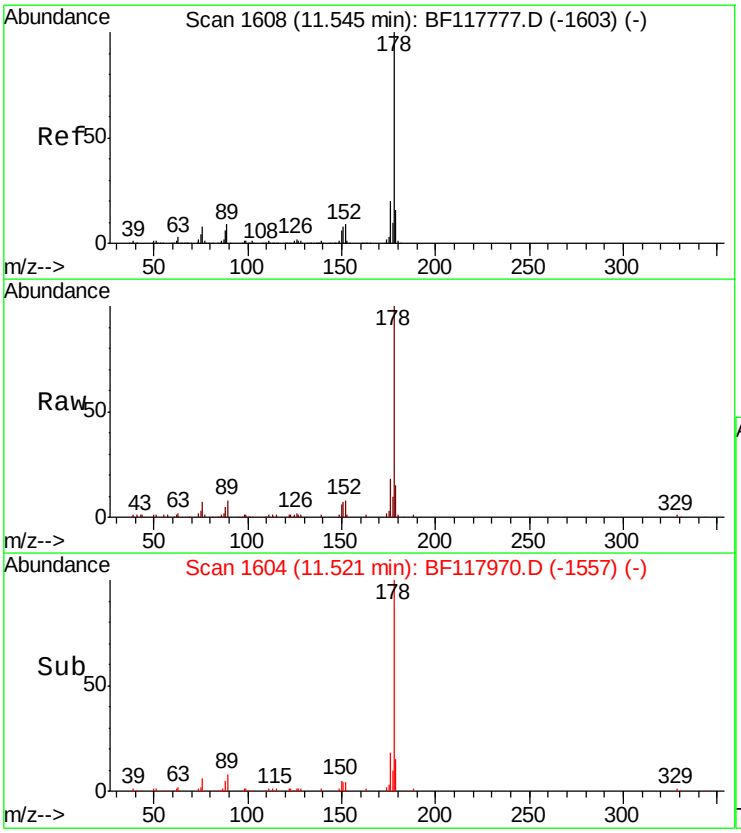
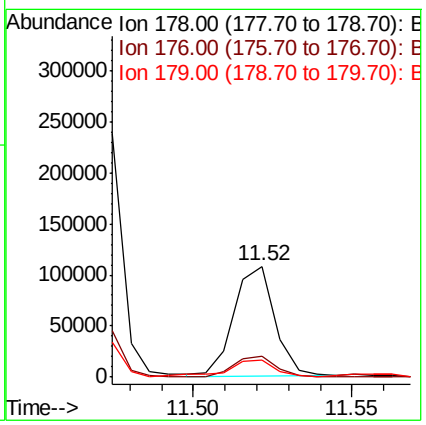
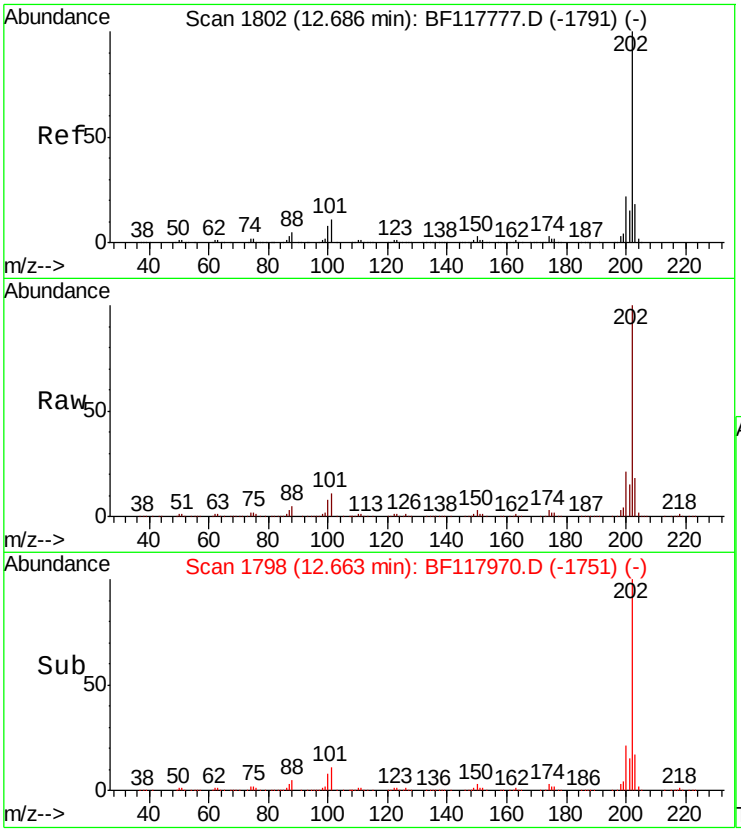


#72
Anthracene
Concen: 3.514 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:178 Resp: 95521

Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.1	24.1
179	15.4	13.0	19.4

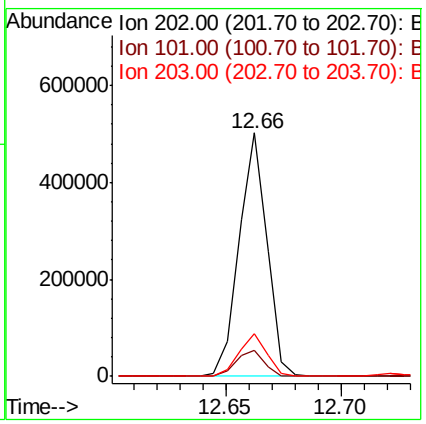




#75
Fluoranthene
Concen: 11.257 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:202 Resp: 421863

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.1
203	17.5	0.0	38.2



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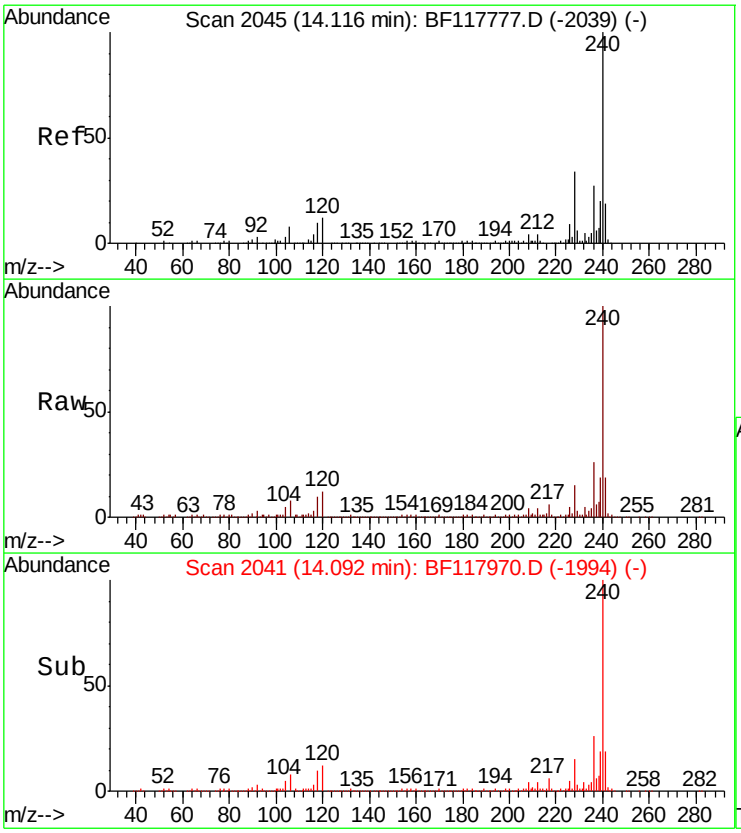
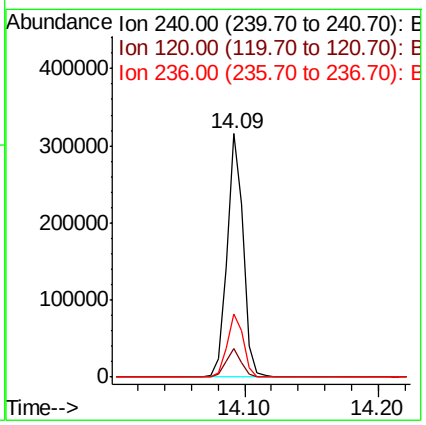
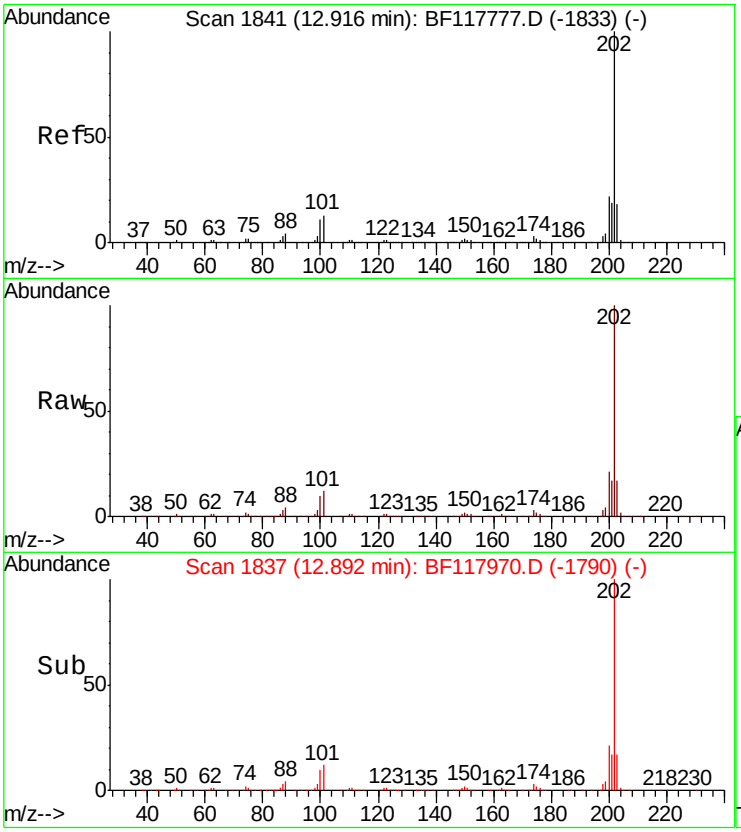


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:240 Resp: 268404

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	26.0	21.3	31.9

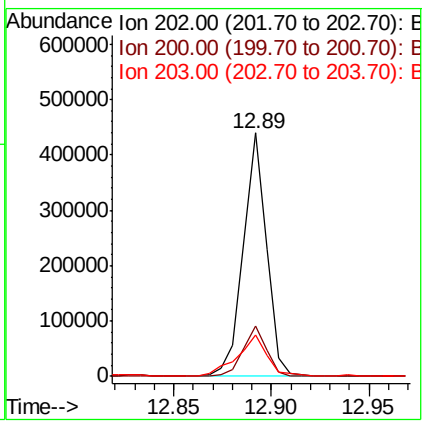




#78
Pyrene
Concen: 16.908 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:202 Resp: 366756

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.8
203	17.1	14.6	22.0



Instrument :
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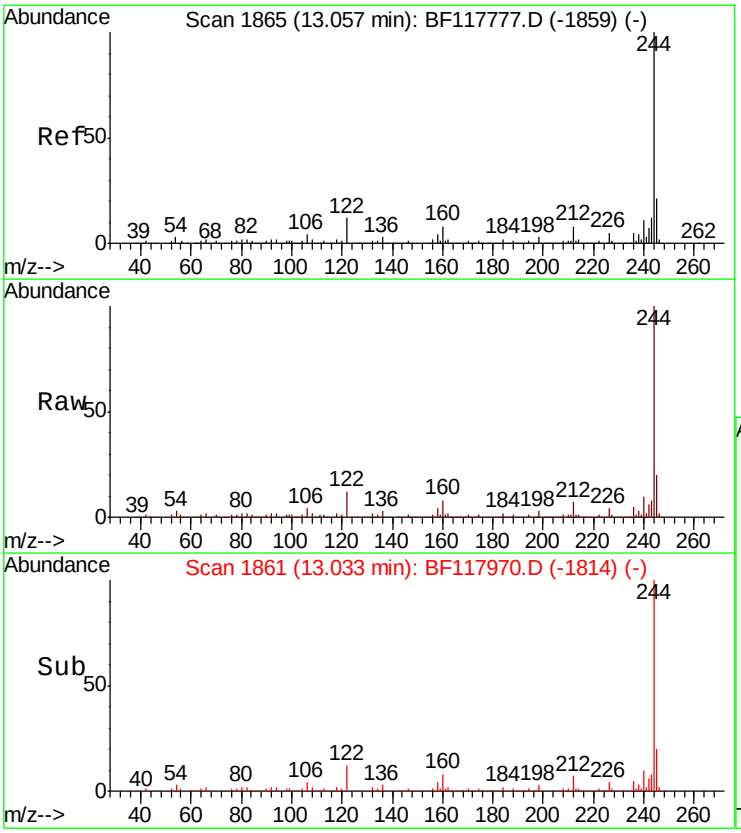
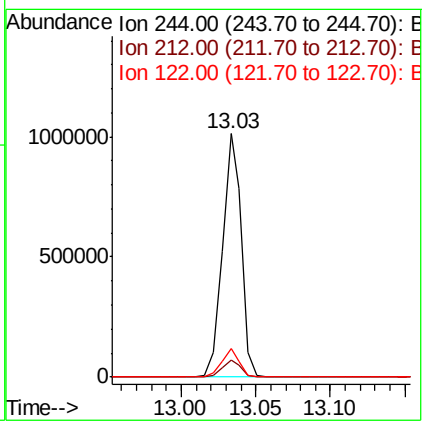
11/25/2019 2:32:31 PM

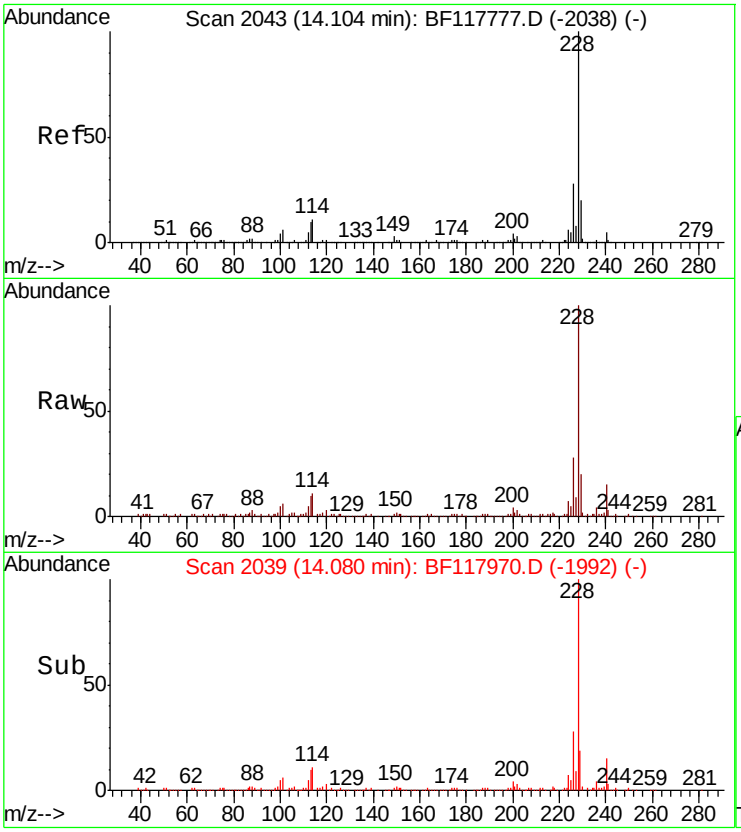


#79
Terphenyl-d14
Concen: 61.322 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:244 Resp: 900582

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	11.6	9.4	14.2

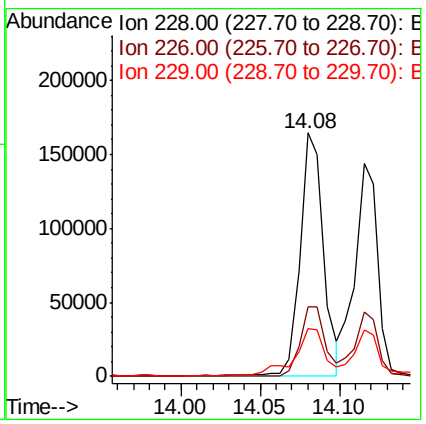




#81
Benzo(a)anthracene
Concen: 9.509 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:228 Resp: 168650

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	19.7	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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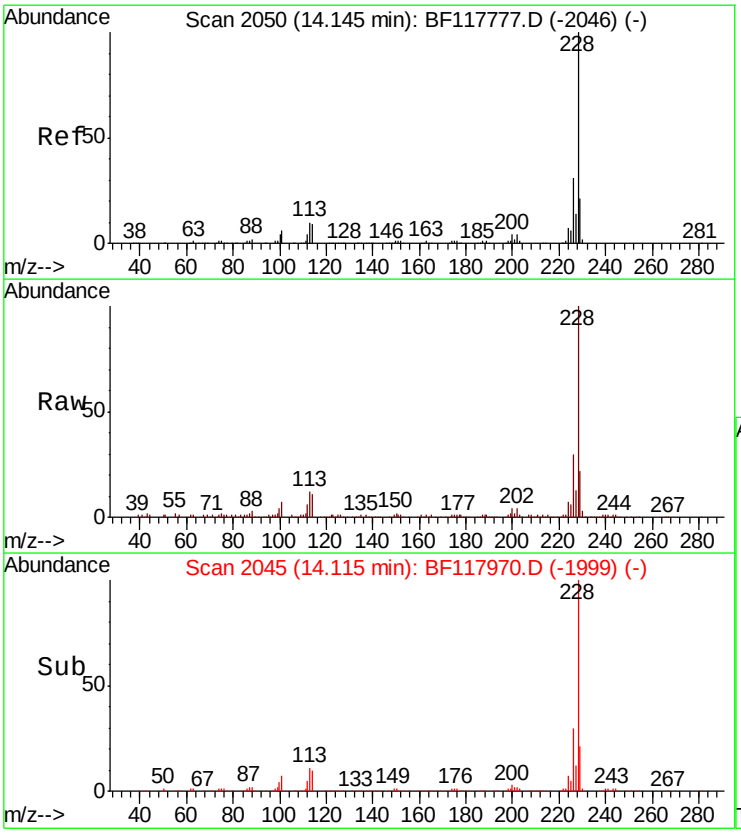
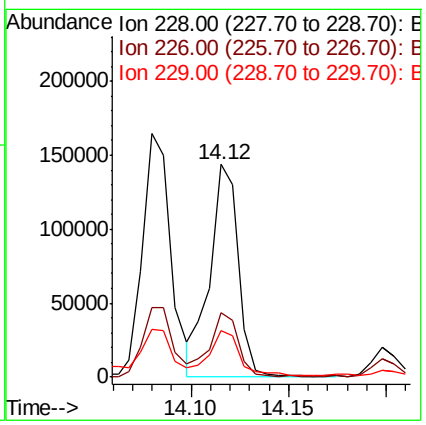
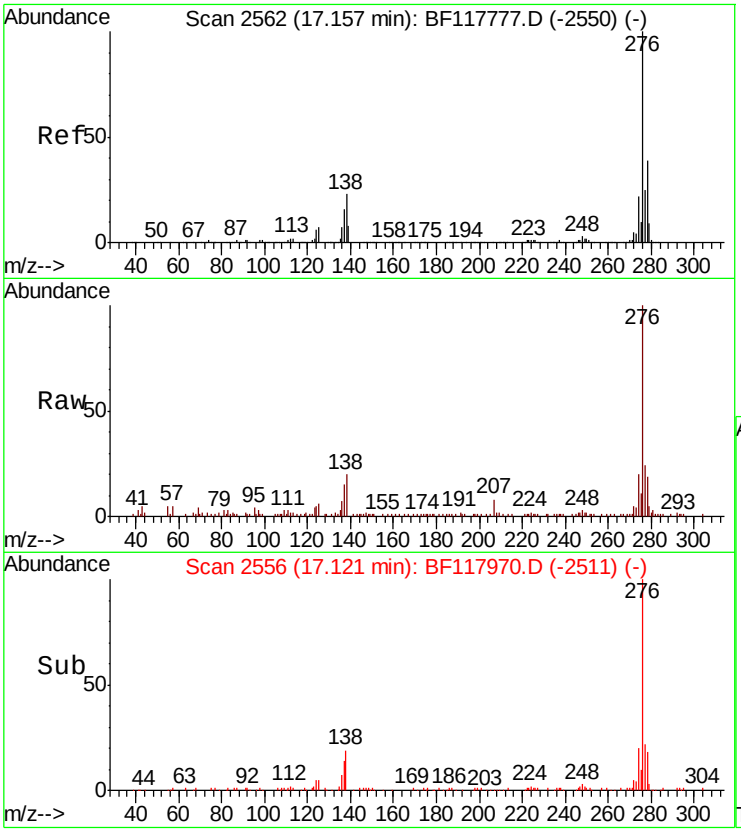


#83
Chrysene
Concen: 8.466 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:228 Resp: 145495

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.1	16.6	25.0

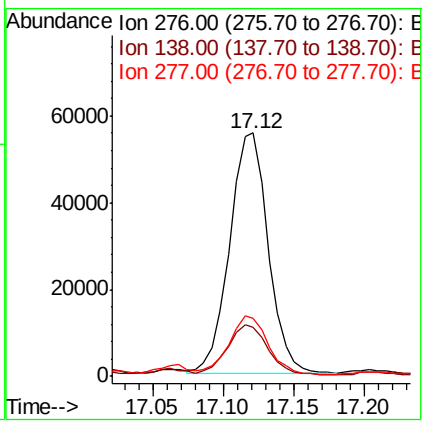




#86
Indeno(1,2,3-cd)pyrene
Concen: 7.184 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.04 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:276 Resp: 105087

Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.9	31.3
277	25.3	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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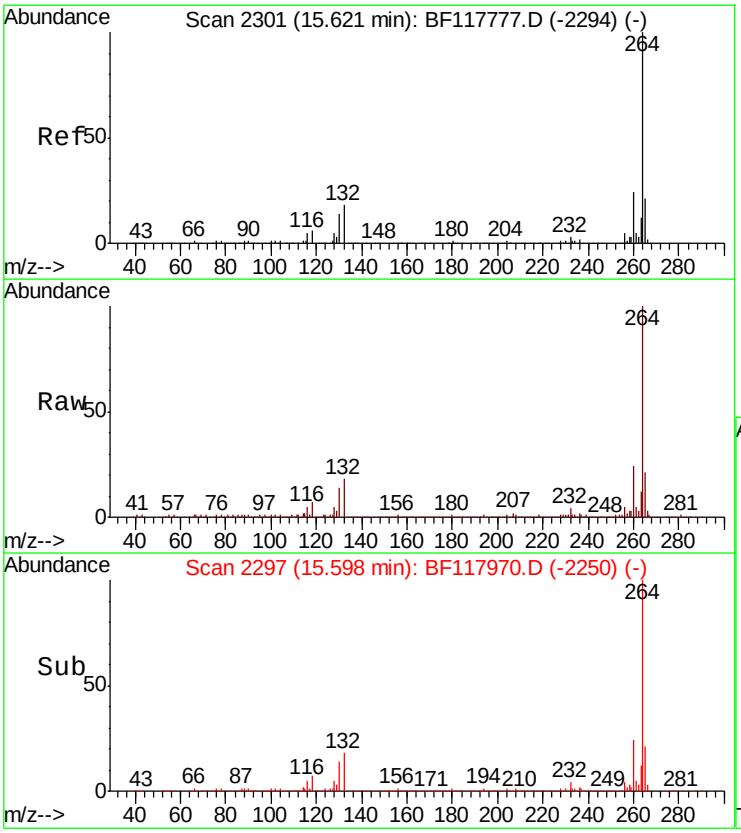
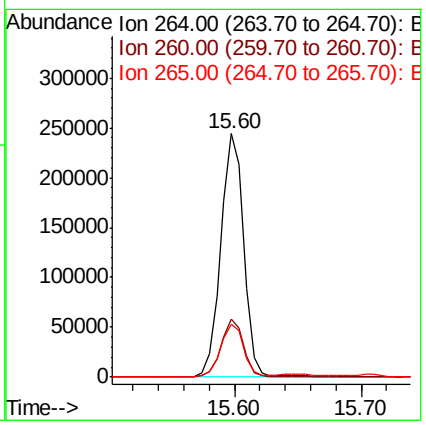
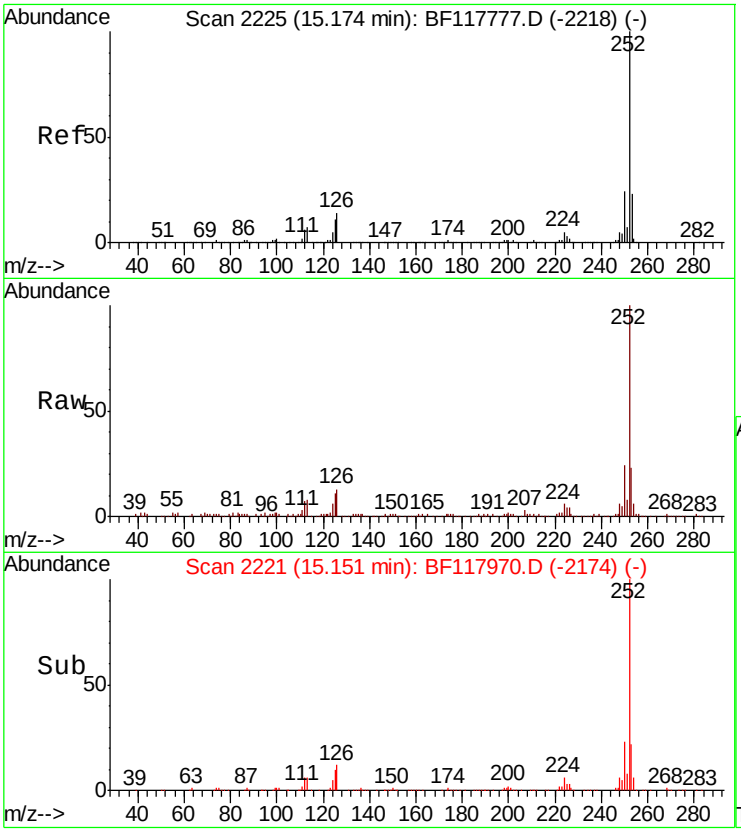


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:264 Resp: 306518

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.5	17.1	25.7

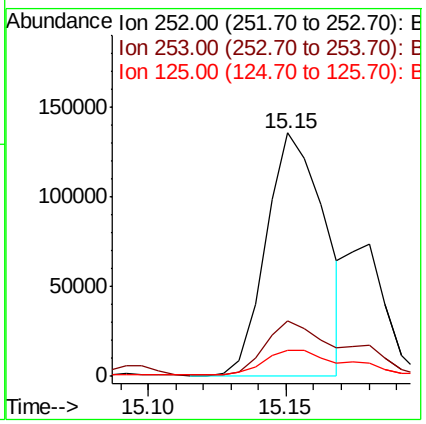




#88
Benzo(b)fluoranthene
Concen: 10.047 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:252 Resp: 200086

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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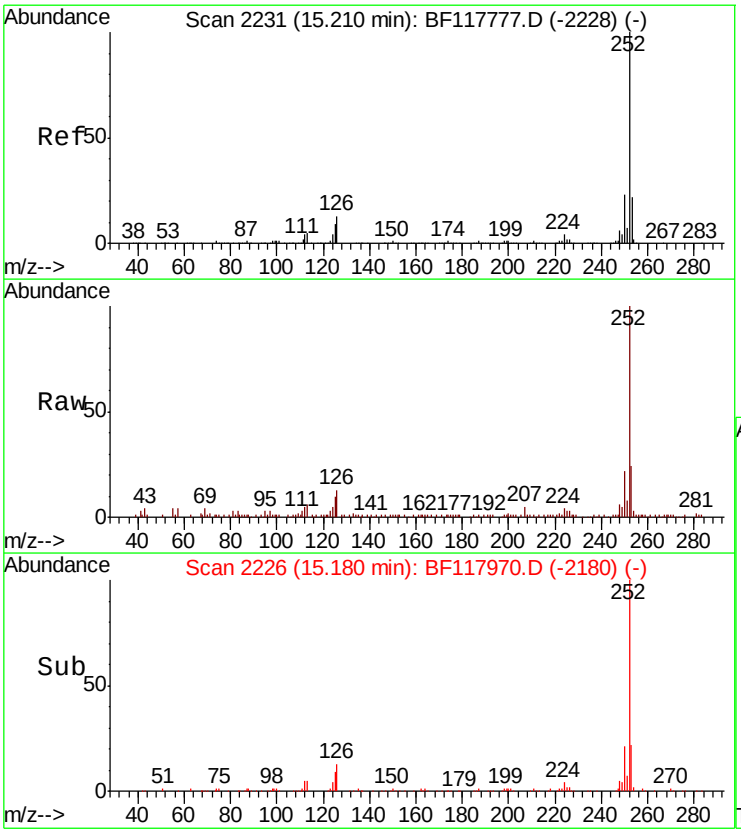
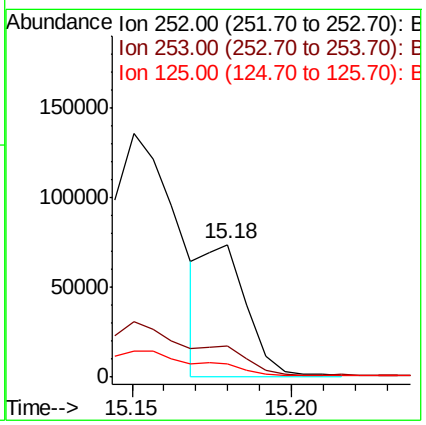
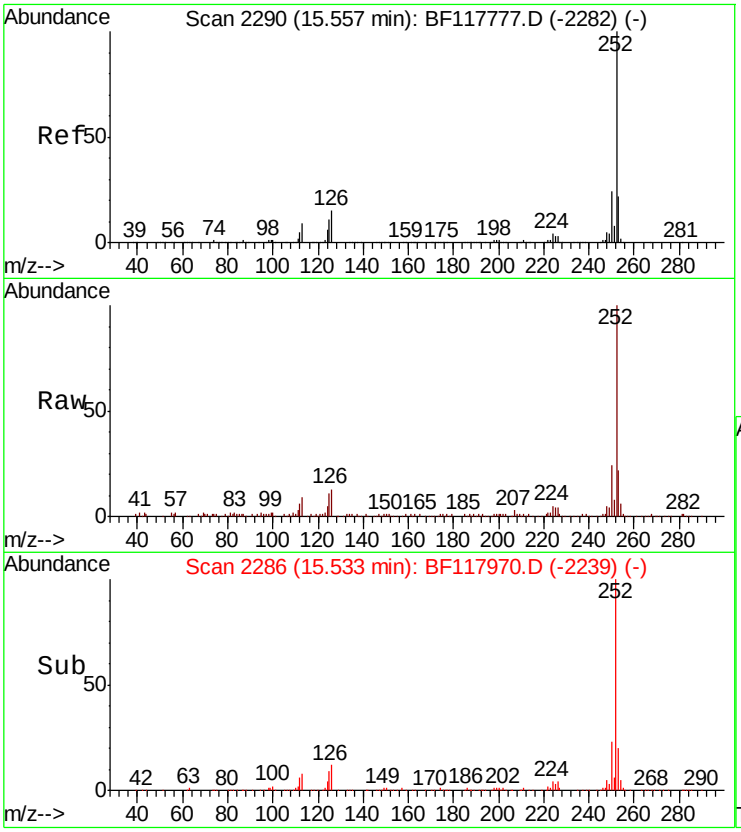


#89
Benzo(k)fluoranthene
Concen: 3.804 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:252 Resp: 71383

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	9.8	7.9	11.9

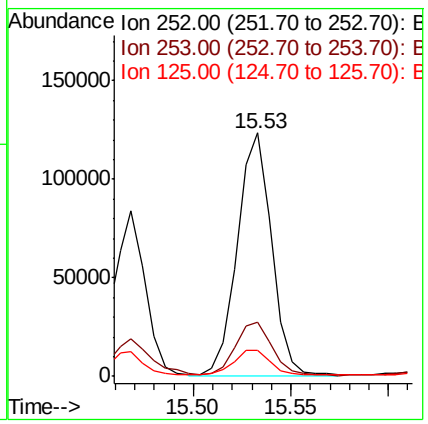




#90
Benzo(a)pyrene
Concen: 8.542 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:252 Resp: 149579

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.5	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
OR-02-112119

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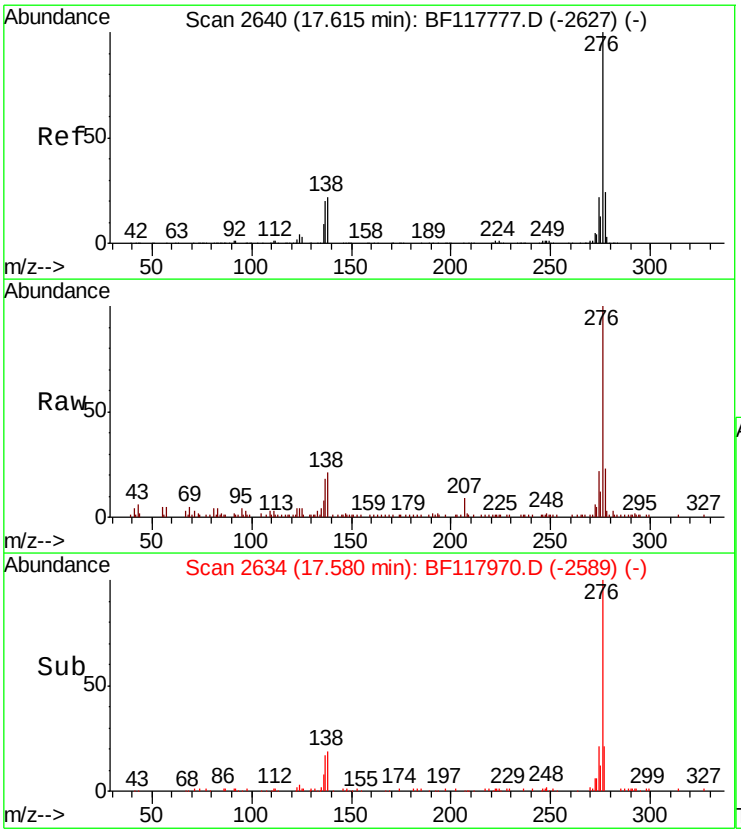

#92
Benzo(g,h,i)perylene
Concen: 6.990 ng
RT: 17.58 min Scan# 2634
Delta R.T. -0.04 min
Lab File: BF117970.D
Acq: 23 Nov 2019 21:25

Tgt Ion:276 Resp: 104940

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	21.4	17.4	26.2