Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
Data File : BF110928.D
Acq On : 21 Nov 2018 15:10
Operator : JU/SJ
Sample : J5768-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-112018

Manual Integrations APPROVED
mohammad
11/23/2018 11:49:00 AM

Quant Time: Nov 21 22:35:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	61631	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	258434	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	117544	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	198371	20.00	ng	0.00
76) Chrysene-d12	14.13	240	137606	20.00	ng	0.00
87) Perylene-d12	15.67	264	113443	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	375183	98.88	ng	0.00
7) Phenol-d6	6.57	99	475819	98.07	ng	0.00
23) Nitrobenzene-d5	7.50	82	309424	68.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	101120	85.38	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	542529	65.92	ng	-0.01
79) Terphenyl-d14	13.06	244	398722	54.26	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.58	94	24436	4.343	ng	# 76
50) Dimethylphthalate	9.69	163	52892	6.030	ng	100
71) Phenanthrene	11.50	178	52958	4.983	ng	98
75) Fluoranthene	12.70	202	124896	11.722	ng	98
78) Pyrene	12.93	202	119960	11.322	ng	98
81) Benzo(a)anthracene	14.12	228	67676	8.228	ng	98
83) Chrysene	14.16	228	56448	7.204	ng	97
86) Indeno(1,2,3-cd)pyrene	17.26	276	21820	3.881	ng	94
88) Benzo(b)fluoranthene	15.22	252	69638m	10.261	ng	
89) Benzo(k)fluoranthene	15.24	252	20984m	3.129	ng	
90) Benzo(a)pyrene	15.60	252	45727	7.416	ng	98
92) Benzo(g,h,i)perylene	17.75	276	19478	3.762	ng	# 94

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

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BNA_F
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Manual Integrations APPROVED
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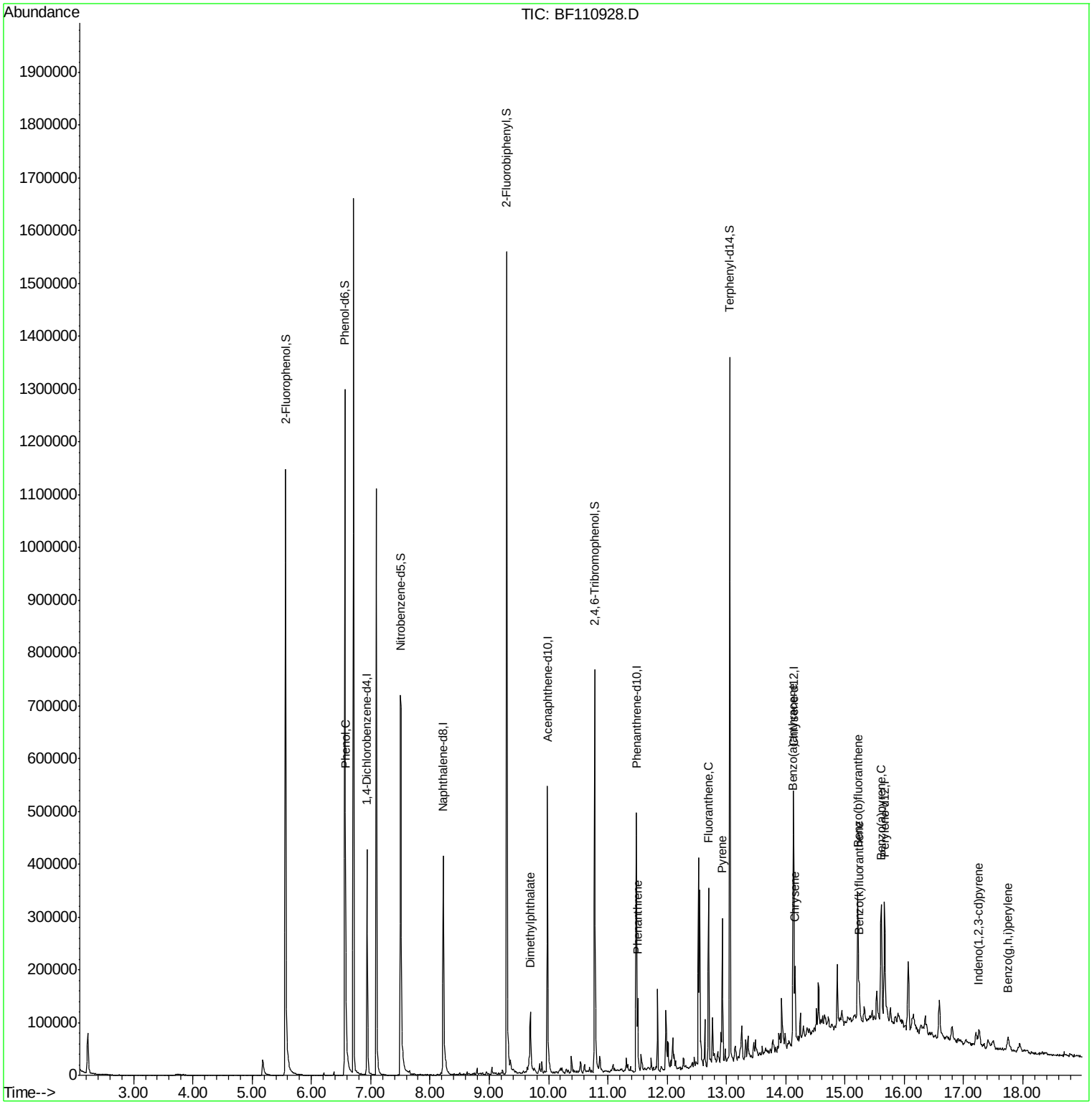
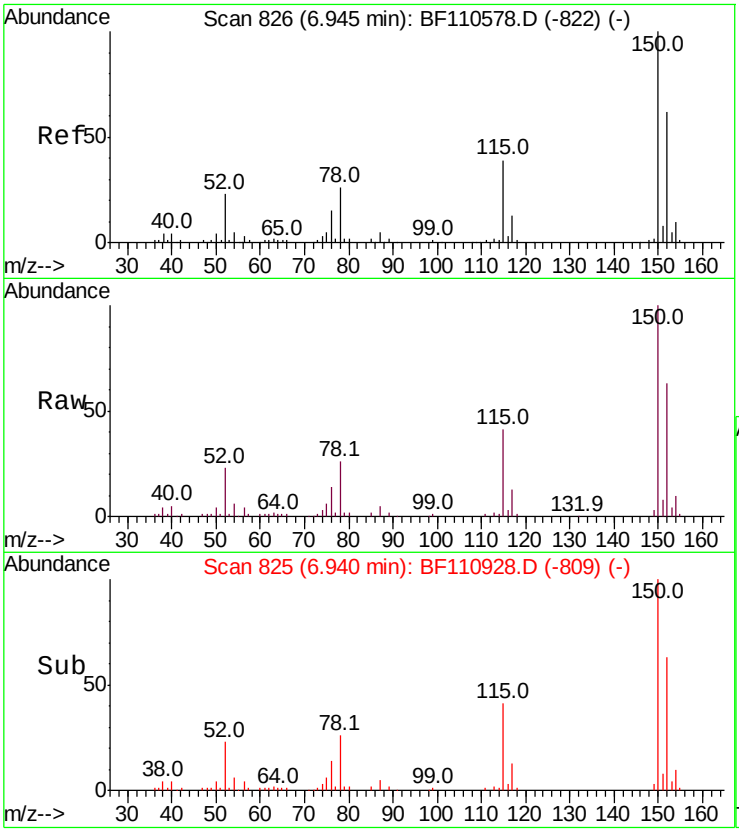
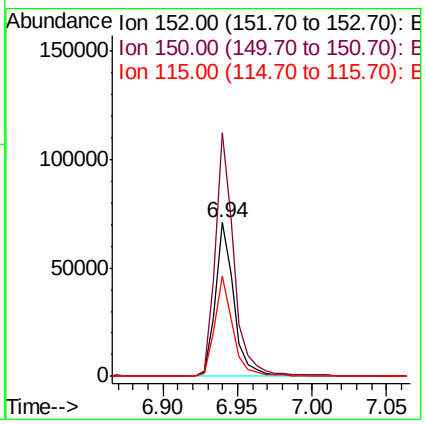




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:152 Resp: 61631

Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.7	184.1
115	65.0	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
OK-03-112018

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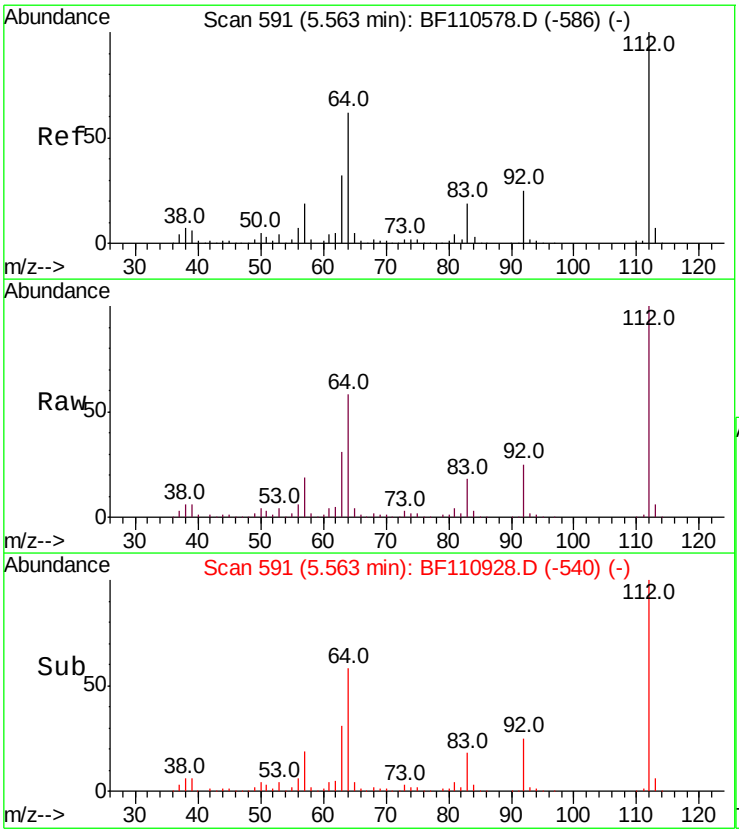
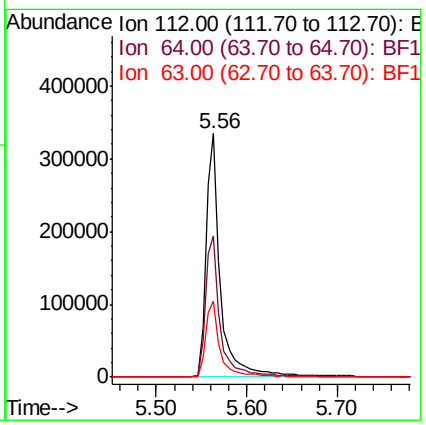
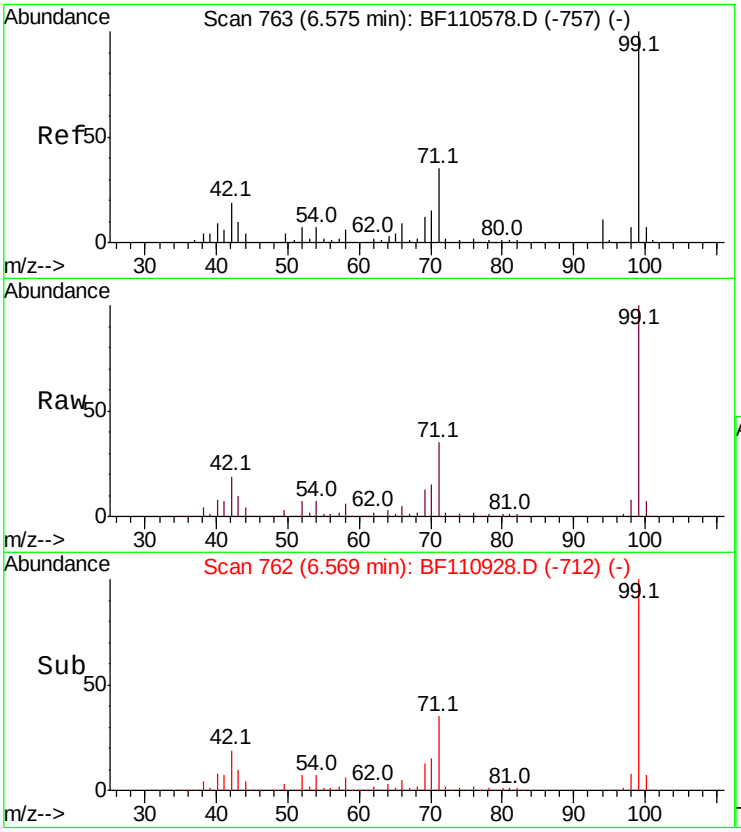


#5
2-Fluorophenol
Concen: 98.881 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:112 Resp: 375183

Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.1	66.1
63	31.1	23.7	35.5

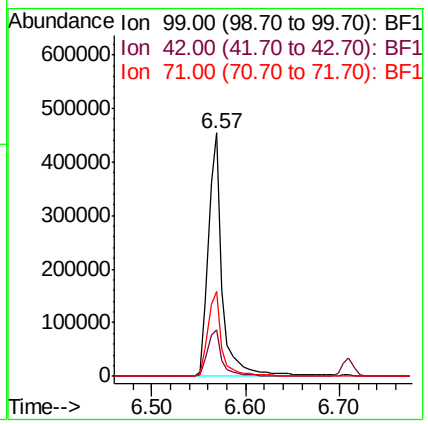




#7
Phenol-d6
Concen: 98.067 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion: 99 Resp: 475819

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.6
71	35.1	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
OK-03-112018

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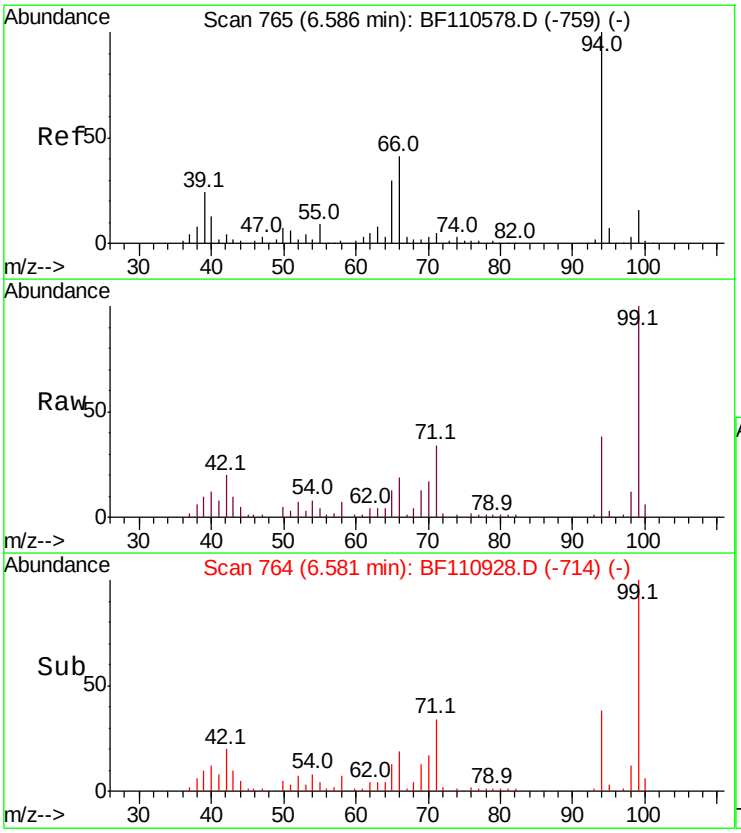
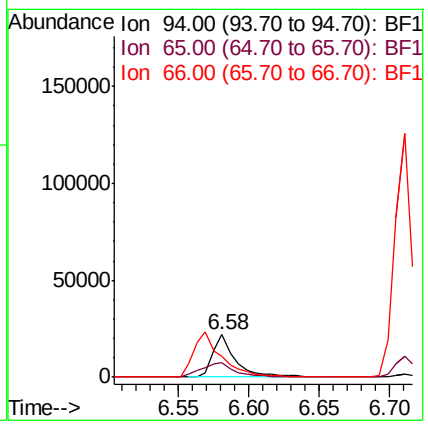
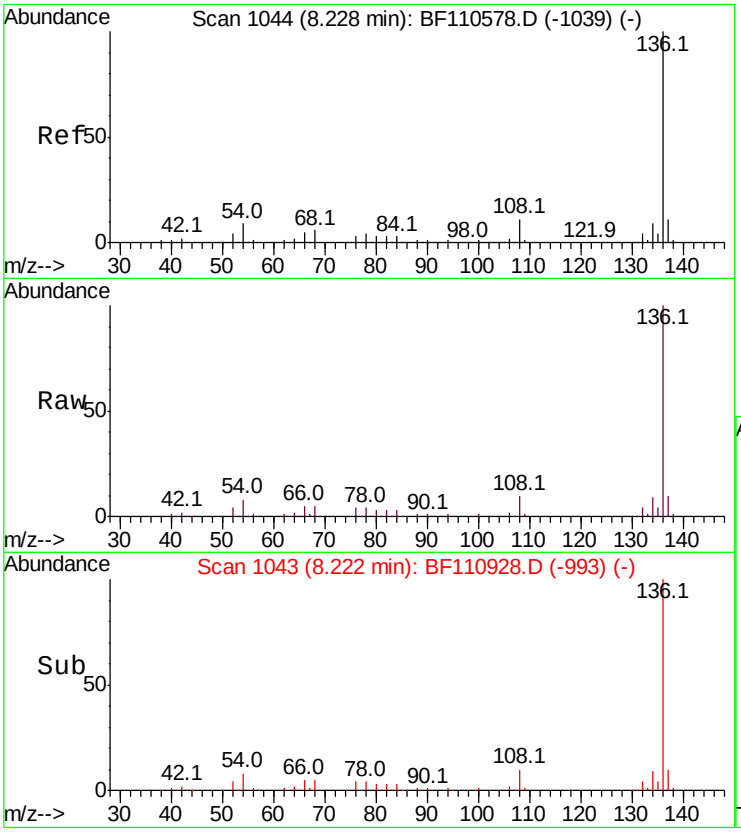


#10
Phenol
Concen: 4.343 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion: 94 Resp: 24436

Ion	Ratio	Lower	Upper
94	100		
65	33.5	25.3	65.3
66	50.7	54.5	94.5#

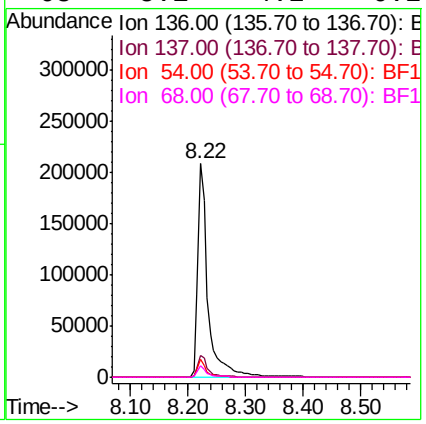




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:136 Resp: 258434

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	8.4	5.4	8.2#
68	5.1	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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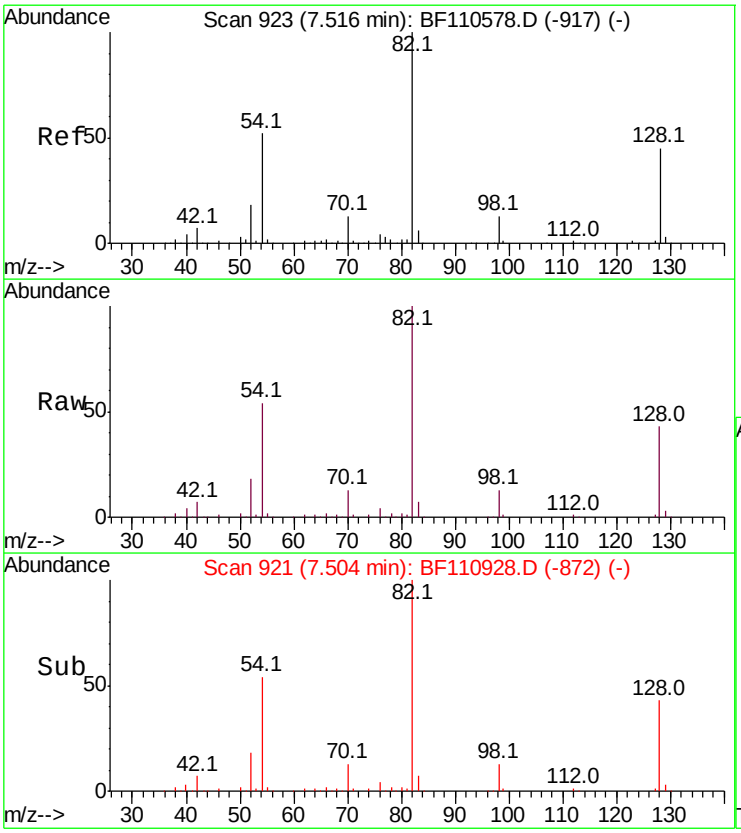
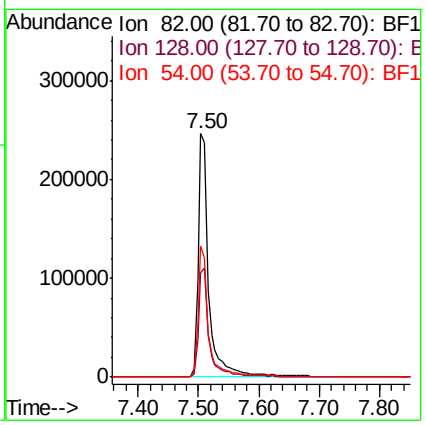
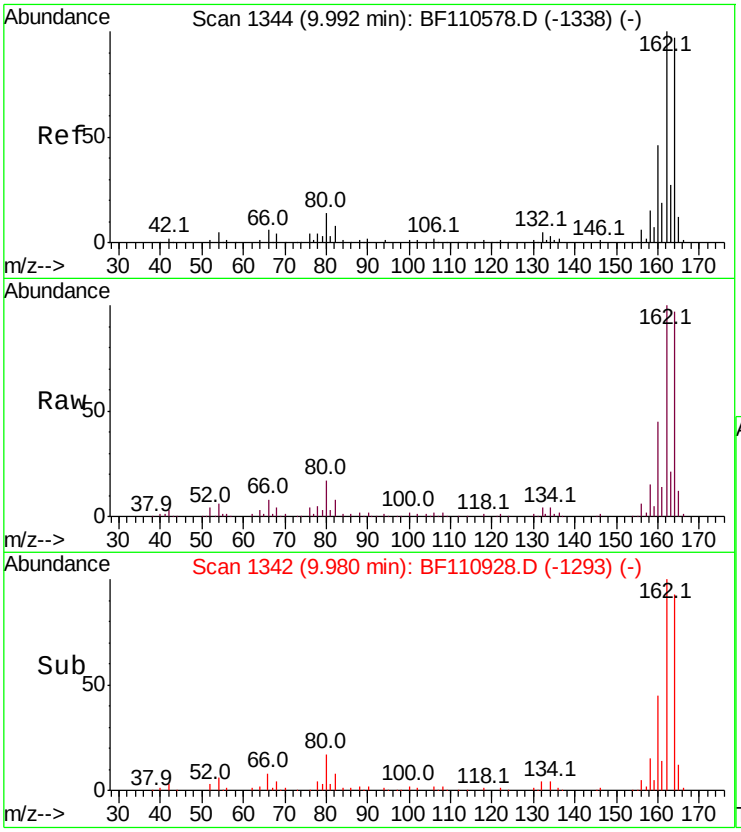


#23
Nitrobenzene-d5
Concen: 68.952 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion: 82 Resp: 309424

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.2	51.2
54	54.0	38.6	58.0

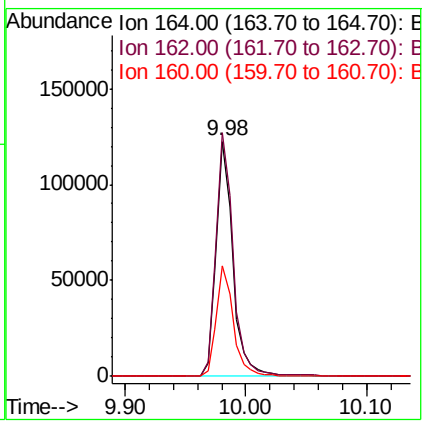




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:164 Resp: 117544

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.0	124.6
160	46.9	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
OK-03-112018

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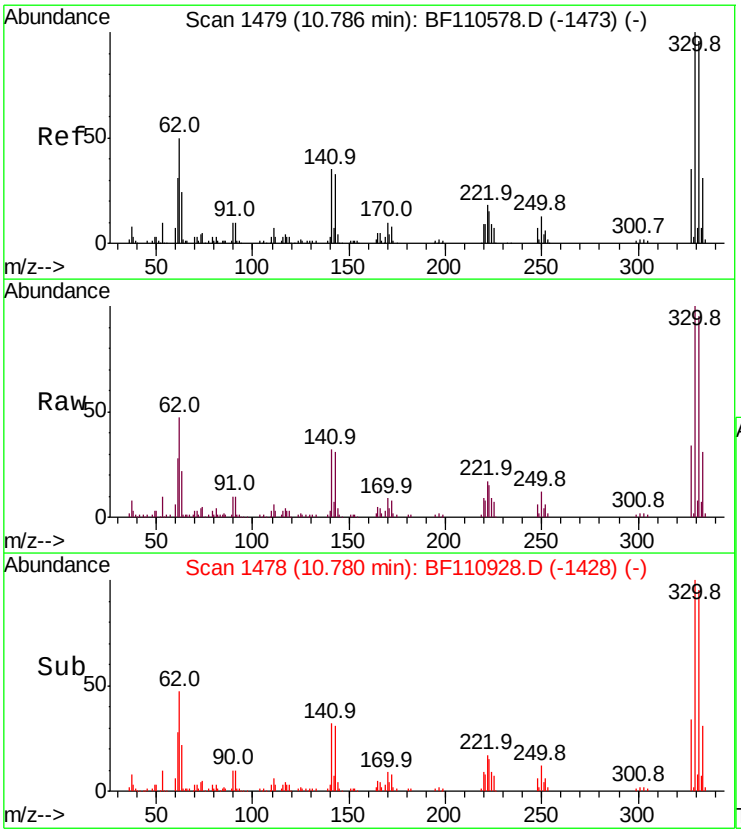
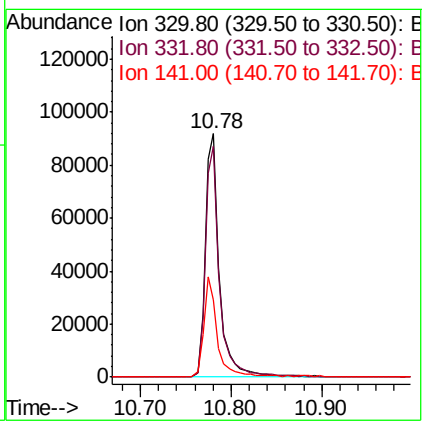
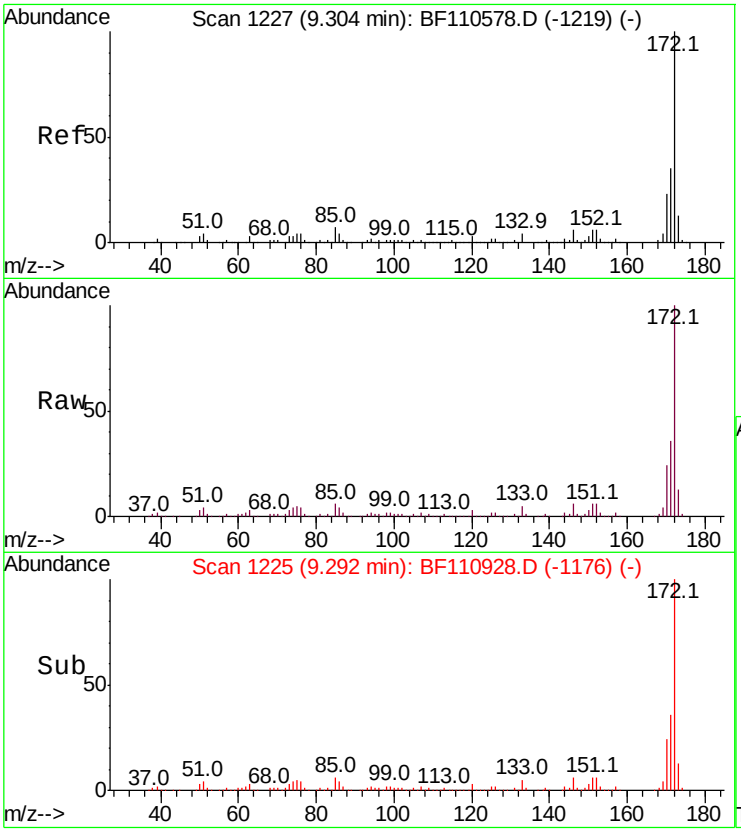


#42
2,4,6-Tribromophenol
Concen: 85.376 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:330 Resp: 101120

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	39.4	27.0	40.4

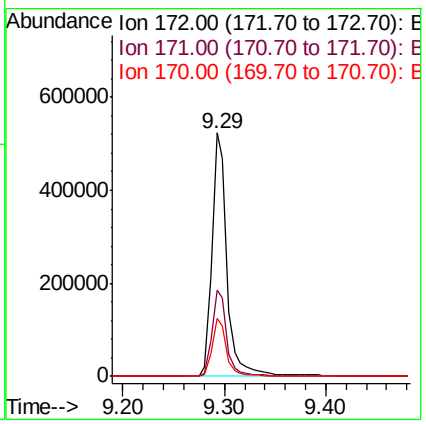




#45
2-Fluorobiphenyl
Concen: 65.918 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:172 Resp: 542529

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.7	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
OK-03-112018

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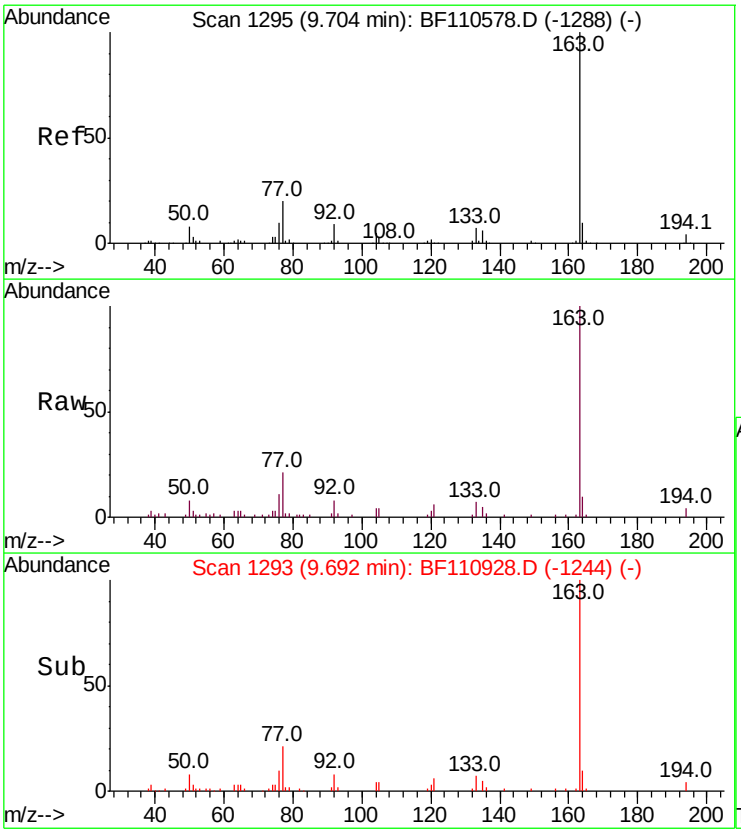
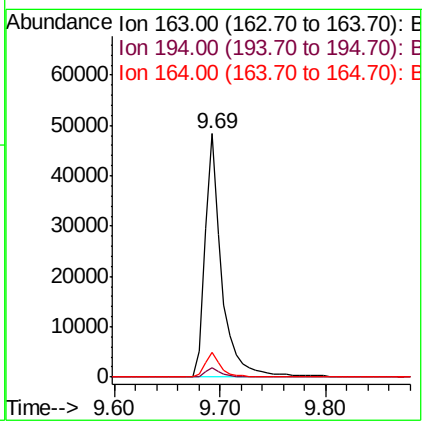
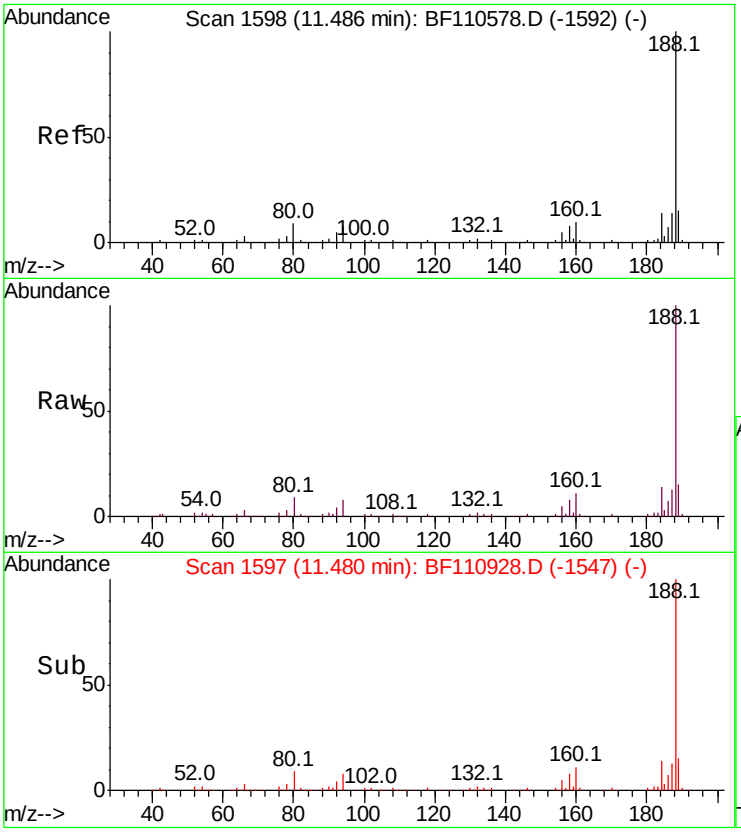


#50
Dimethylphthalate
Concen: 6.030 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:163 Resp: 52892

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.0	8.1	12.1

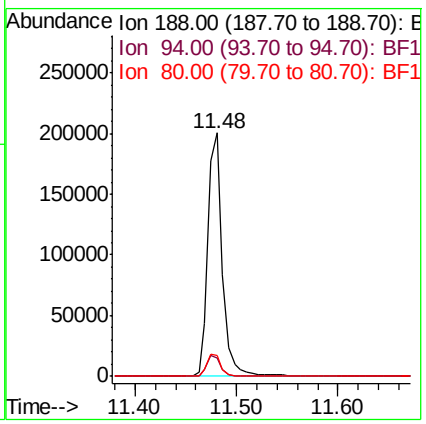




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:188 Resp: 198371

Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.2	10.8
80	8.8	7.9	11.9



Instrument :
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ClientSampleId :
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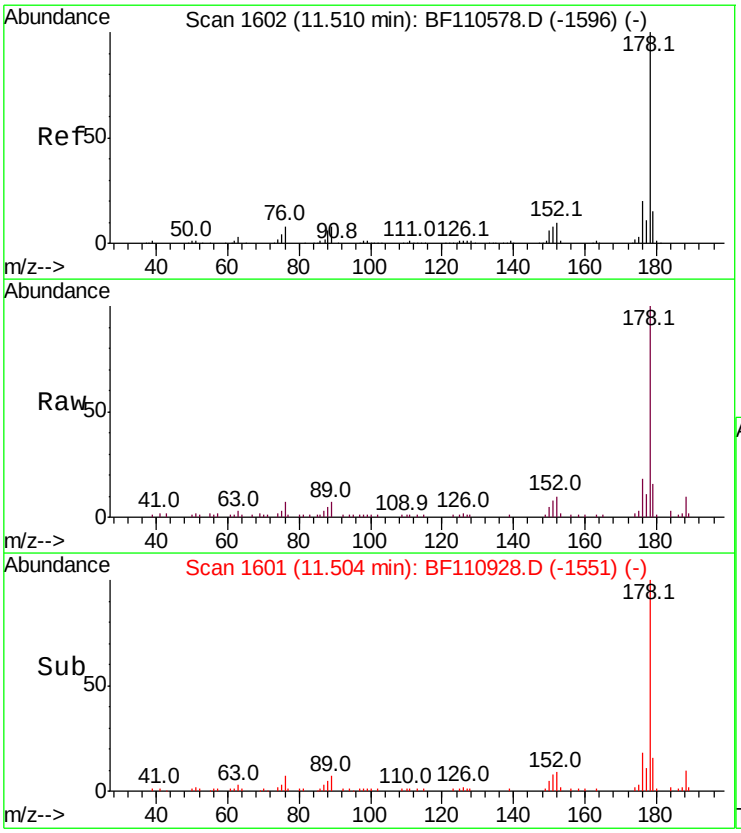
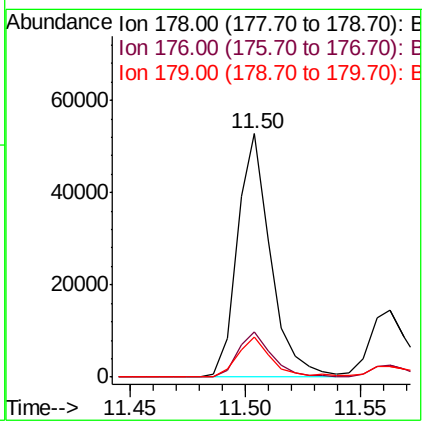
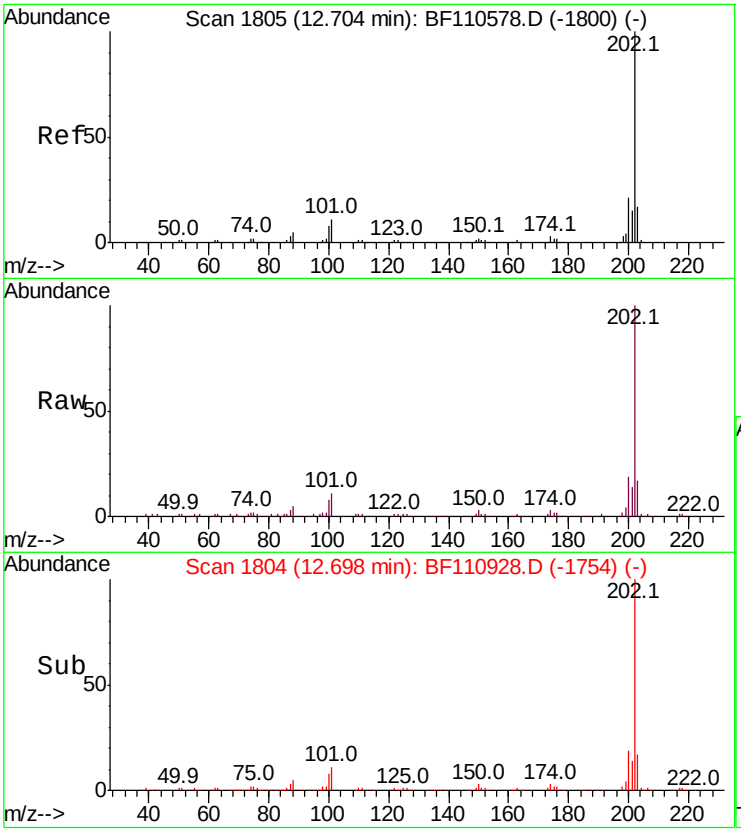


#71
Phenanthrene
Concen: 4.983 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:178 Resp: 52958

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	16.2	12.5	18.7

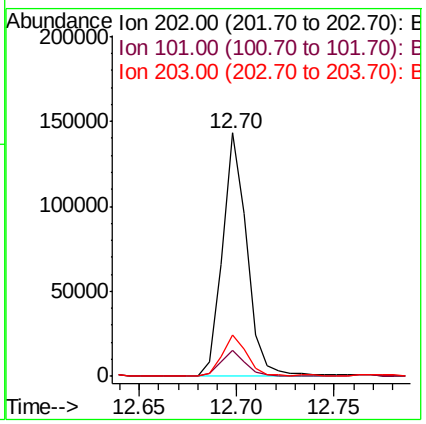




#75
Fluoranthene
Concen: 11.722 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:202 Resp: 124896

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	16.9	0.0	37.7



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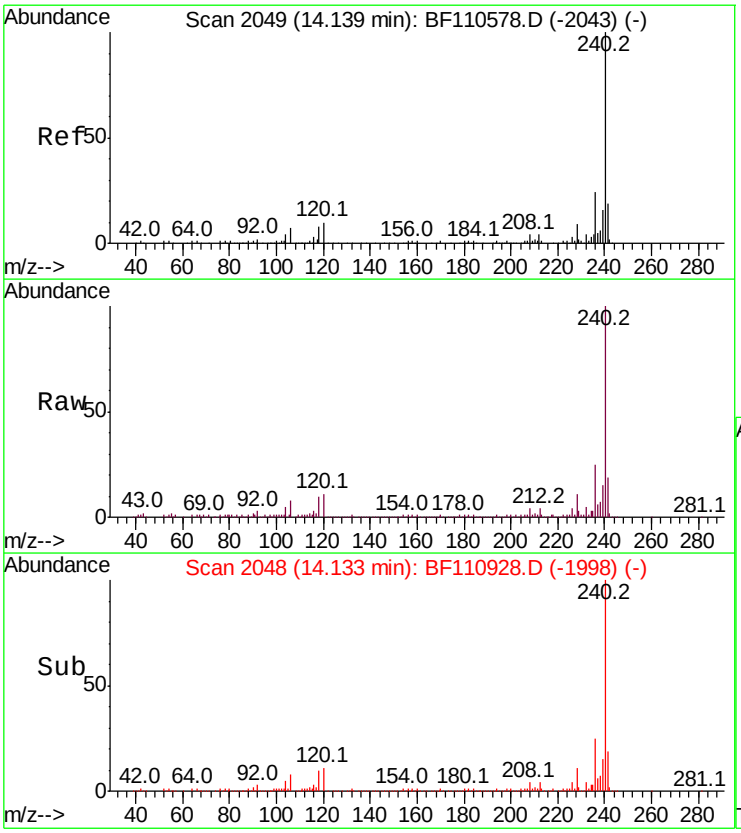
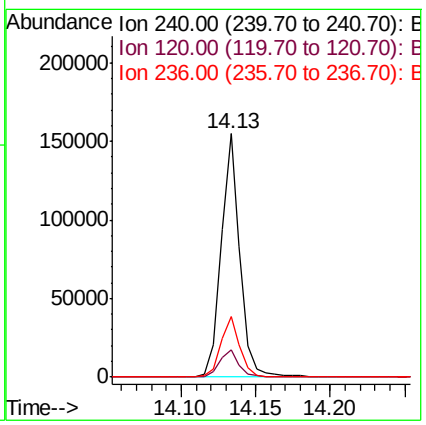
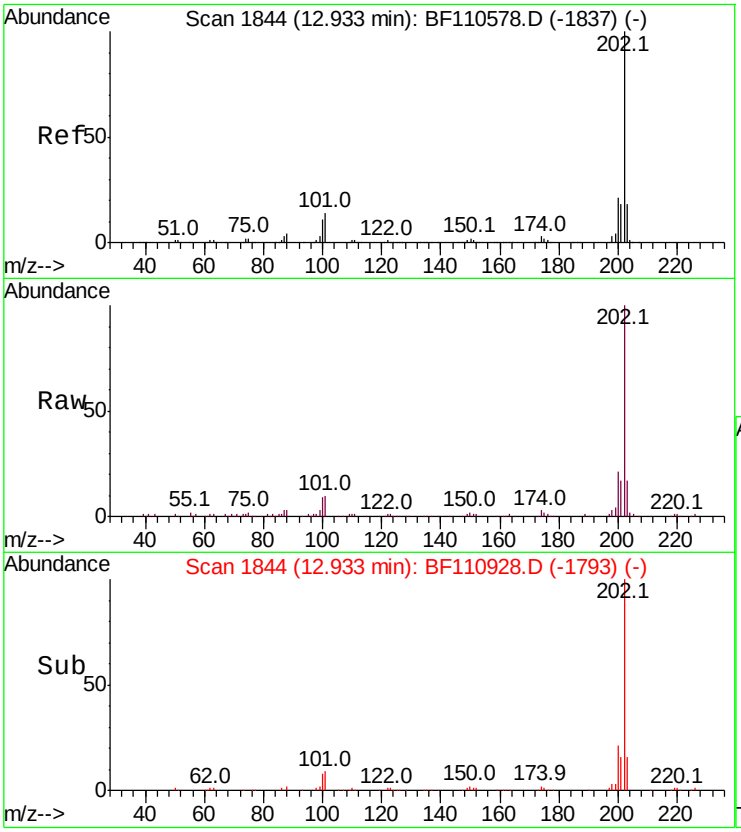


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:240 Resp: 137606

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	24.7	21.2	31.8

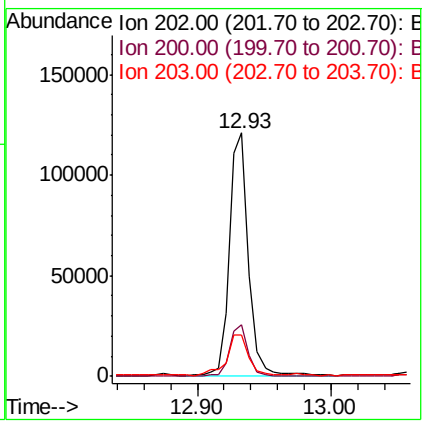




#78
Pyrene
Concen: 11.322 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:202 Resp: 119960

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	17.0	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
OK-03-112018

Manual Integrations APPROVED
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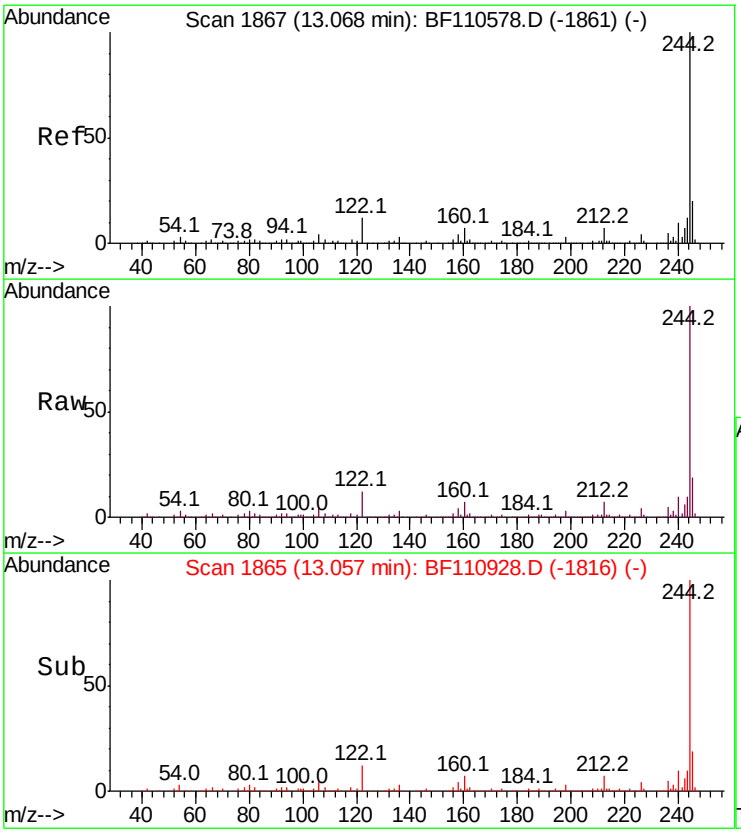
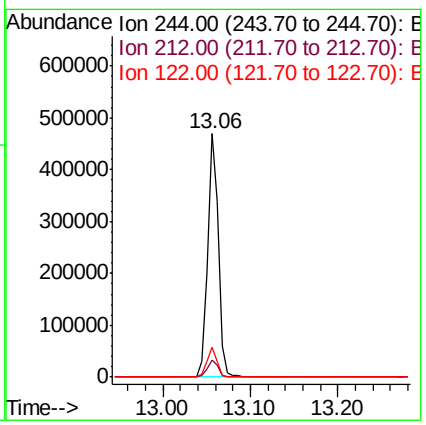
11/23/2018 11:49:00 AM

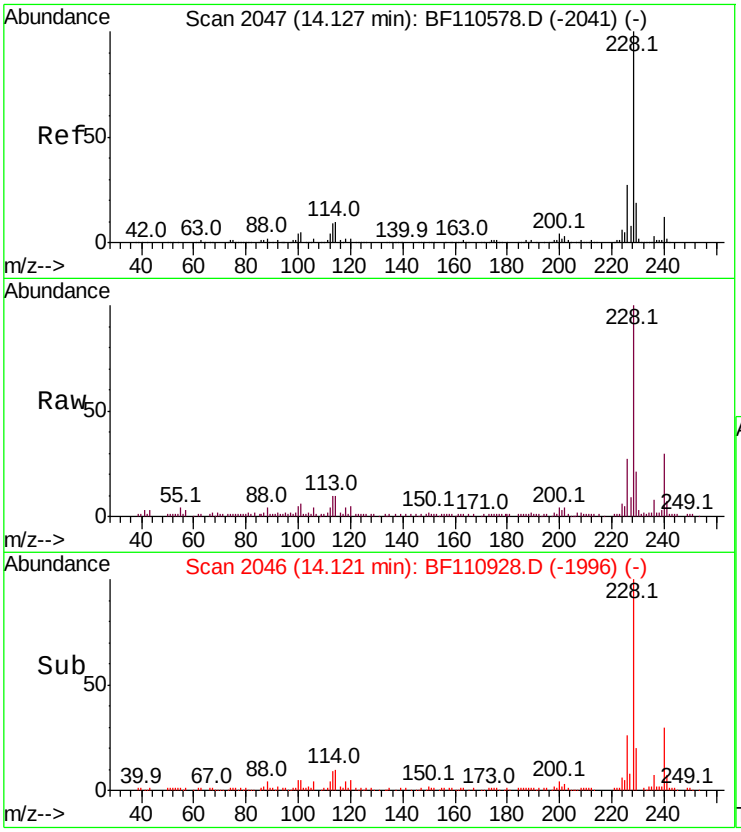


#79
Terphenyl-d14
Concen: 54.265 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:244 Resp: 398722

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.3	8.7	13.1

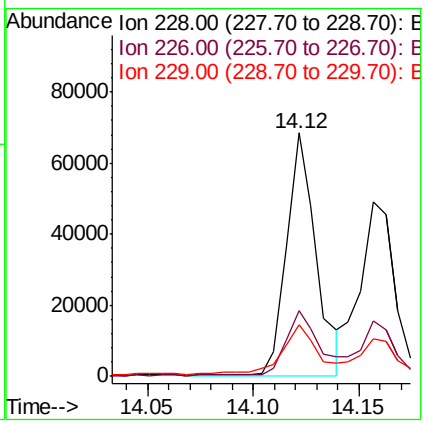




#81
Benzo(a)anthracene
Concen: 8.228 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:228 Resp: 67676

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	21.4	15.6	23.4



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BNA_F
ClientSampleId :
OK-03-112018

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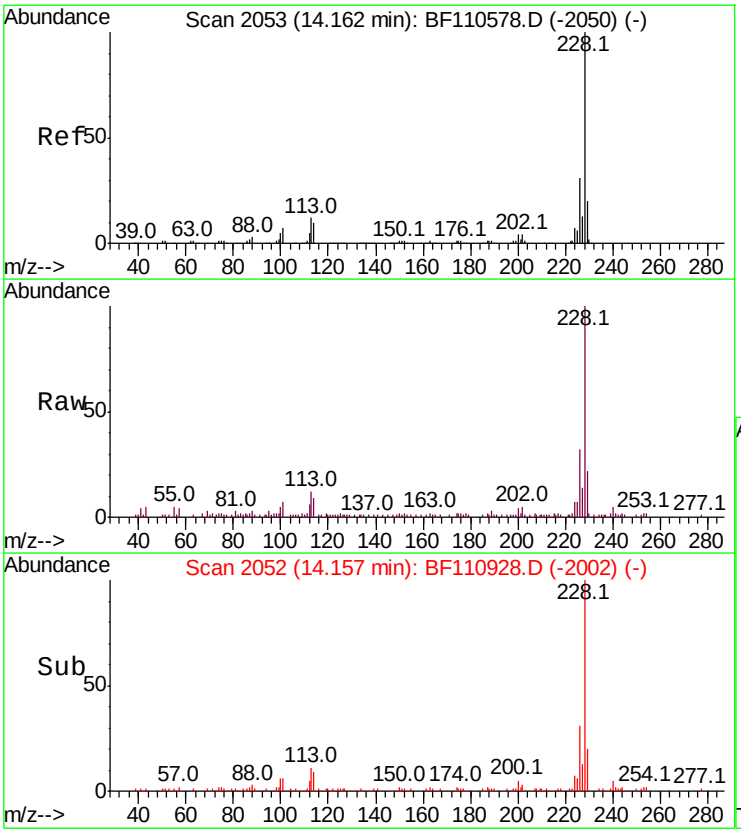
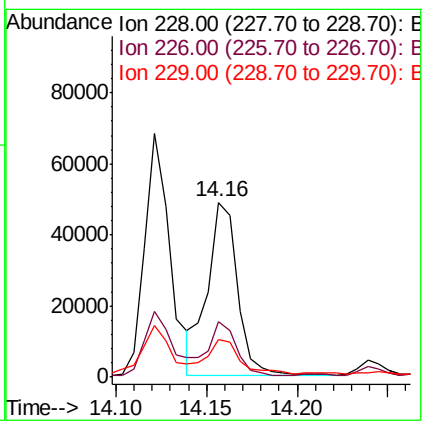
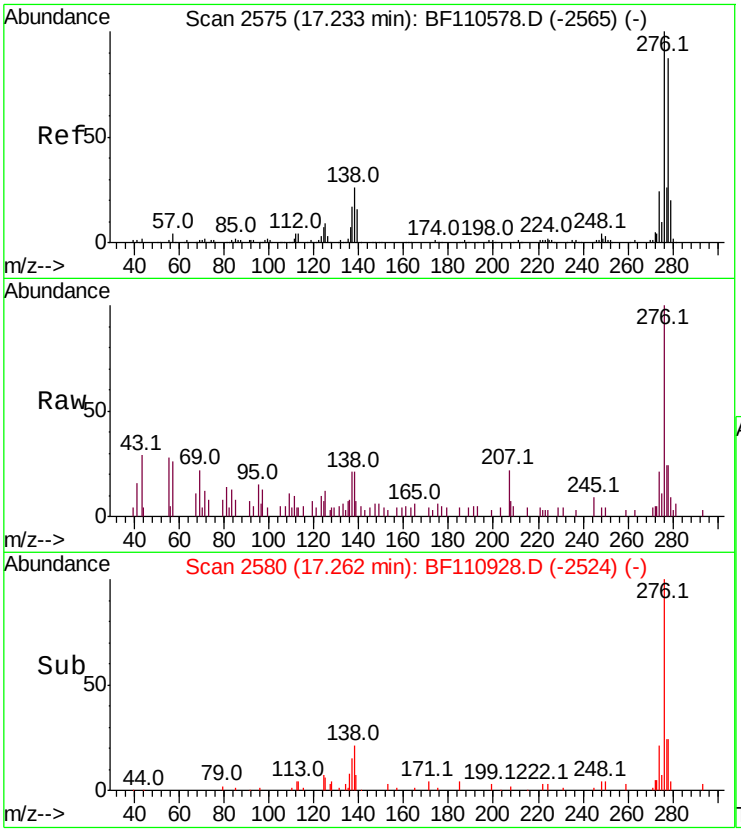


#83
Chrysene
Concen: 7.204 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:228 Resp: 56448

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	21.6	15.9	23.9

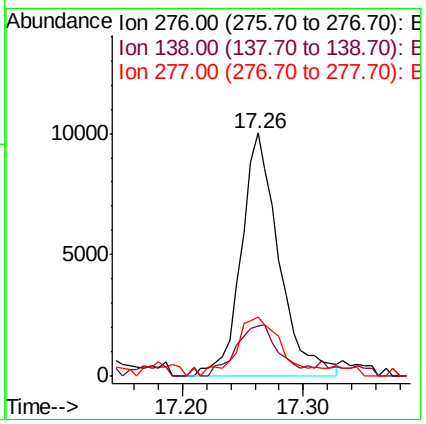




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.881 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.03 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:276 Resp: 21820

Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.5	27.7
277	29.8	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
OK-03-112018

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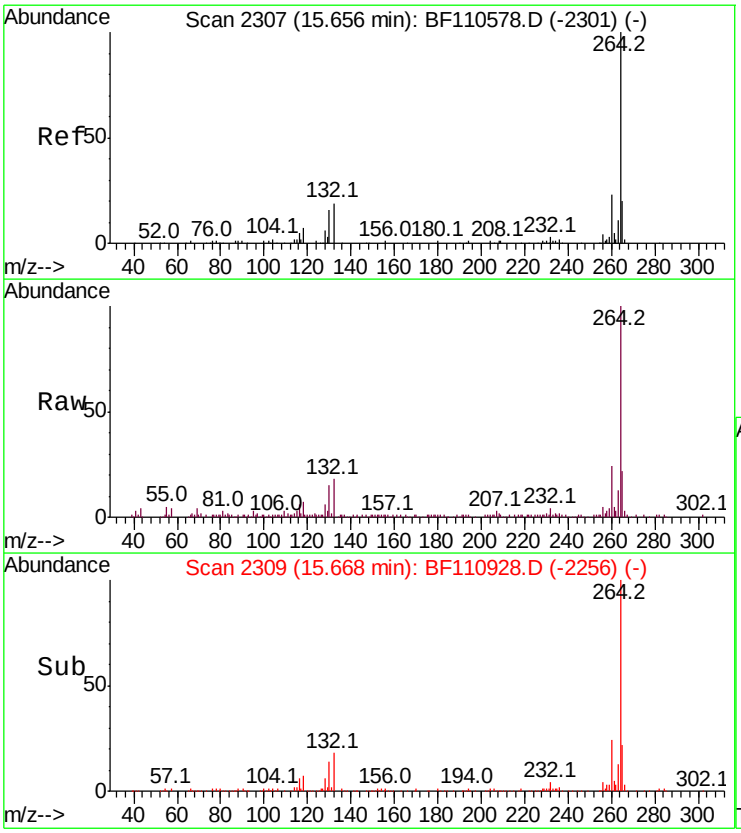
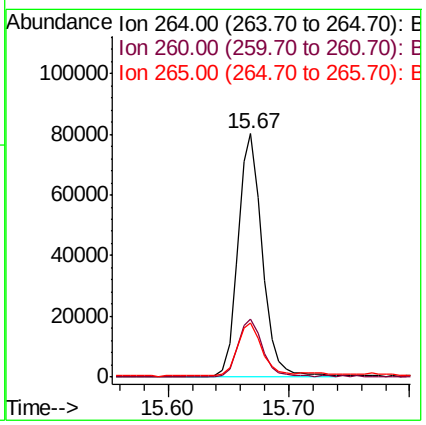
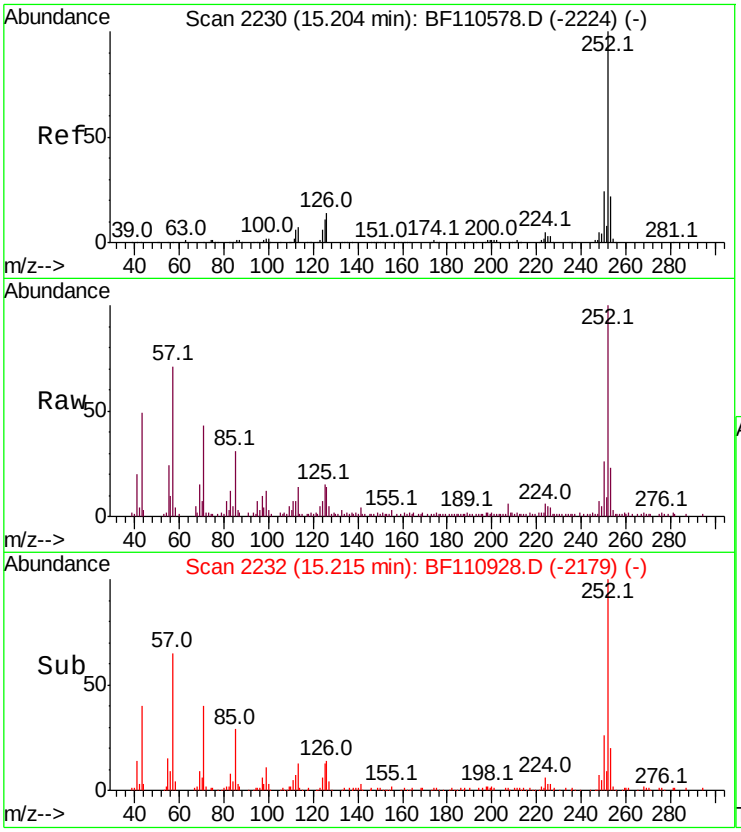


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:264 Resp: 113443

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	16.7	25.1

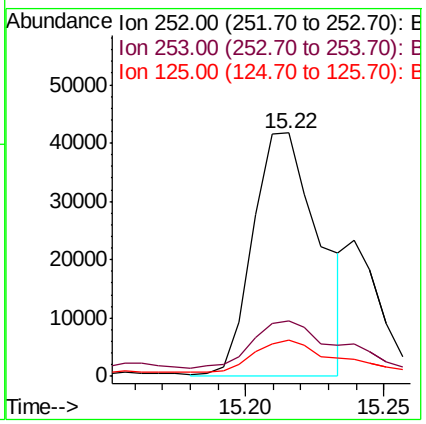




#88
Benzo(b)fluoranthene
Concen: 10.261 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:252 Resp: 69638

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	14.8	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
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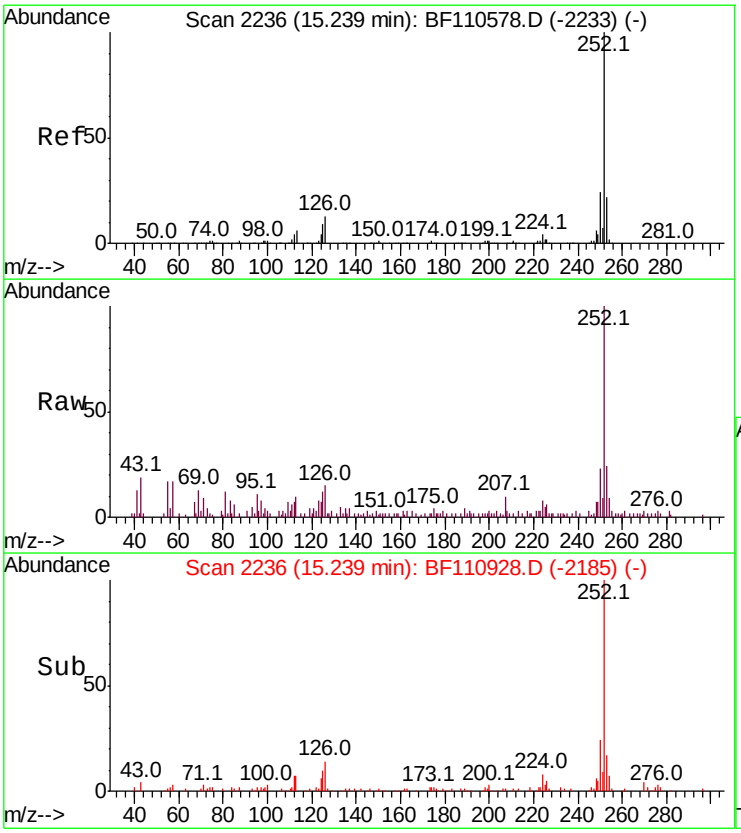
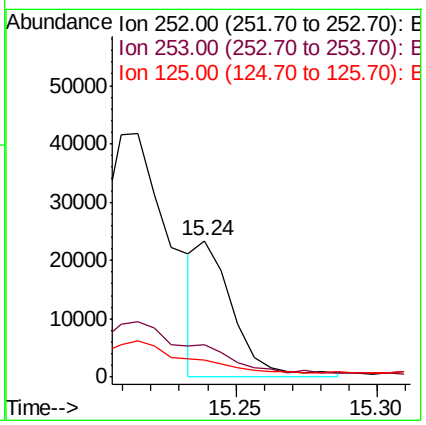
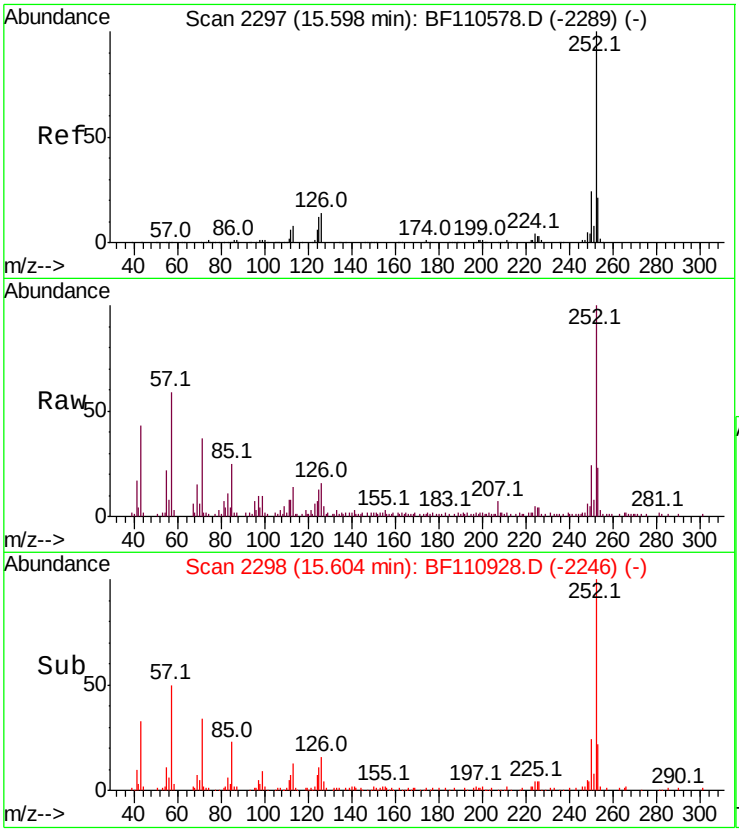


#89
Benzo(k)fluoranthene
Concen: 3.129 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:252 Resp: 20984

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	12.4	7.4	11.0#

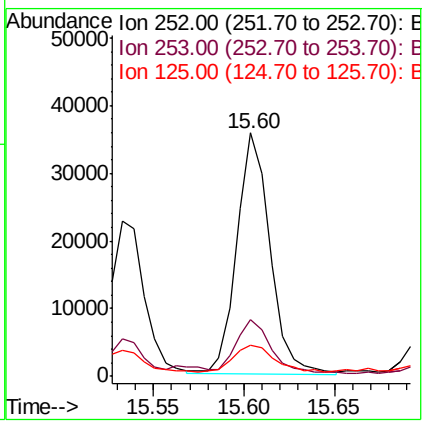




#90
Benzo(a)pyrene
Concen: 7.416 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:252 Resp: 45727

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	12.6	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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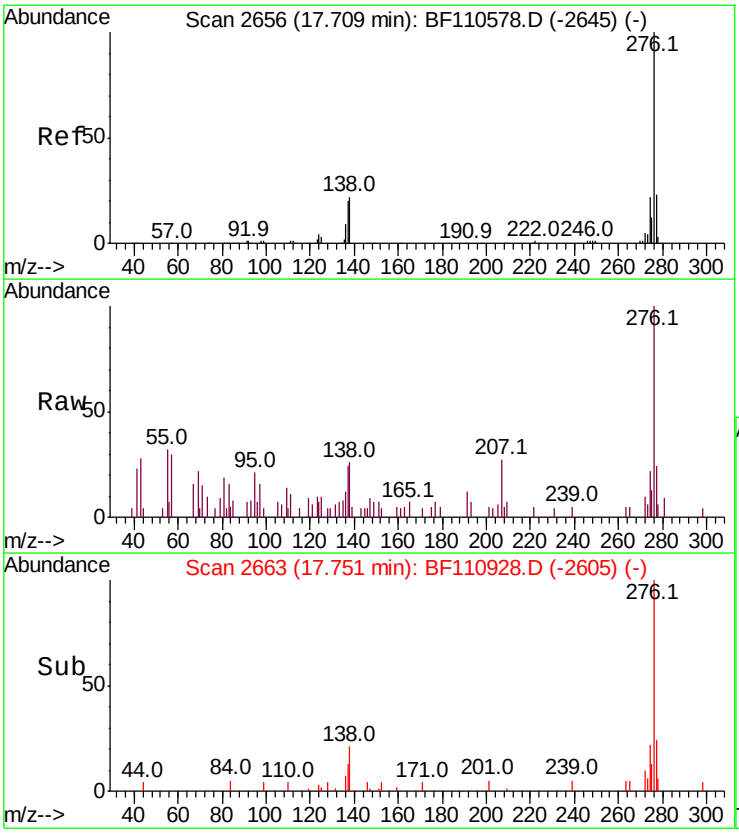

#92
Benzo(g,h,i)perylene
Concen: 3.762 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.04 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:276 Resp: 19478

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	26.0	16.0	24.0#