Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102918\
Data File : BF110280.D
Acq On : 29 Oct 2018 23:33
Operator : JU/SJ
Sample : J5691-01 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12

Manual Integrations APPROVED
Sohil
10/30/2018 5:41:24 PM

Quant Time: Oct 30 17:30:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	92274	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	287627	20.00	ng	0.01
39) Acenaphthene-d10	10.06	164	127040	20.00	ng	0.04
64) Phenanthrene-d10	11.57	188	101347	20.00	ng	0.06
76) Chrysene-d12	14.19	240	157592	20.00	ng	0.04
87) Perylene-d12	15.70	264	131934	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	360807	63.68	ng	0.00
7) Phenol-d6	6.59	99	438184	60.46	ng	0.00
23) Nitrobenzene-d5	7.53	82	257823	53.17	ng	0.00
42) 2,4,6-Tribromophenol	10.87	330	50980	40.51	ng	0.06
45) 2-Fluorobiphenyl	9.35	172	355381	43.93	ng	0.02
79) Terphenyl-d14	13.14	244	255425	33.71	ng	0.05
Target Compounds						Qvalue
10) Phenol	6.60	94	23524	3.036	ng	# 71
31) Naphthalene	8.28	128	95915	7.235	ng	# 55
37) 2-Methylnaphthalene	8.99	142	395853	45.133	ng	# 96
38) 1-Methylnaphthalene	9.09	142	669491	78.988	ng	# 99
58) Fluorene	10.62	166	154898m	18.462	ng	
71) Phenanthrene	11.60	178	365965	69.012	ng	# 72
78) Pyrene	13.02	202	265449m	23.495	ng	
81) Benzo(a)anthracene	14.18	228	36099	3.863	ng	# 20
83) Chrysene	14.22	228	40200	4.529	ng	# 50
86) Indeno(1,2,3-cd)pyrene	17.27	276	40112	5.447	ng	98
88) Benzo(b)fluoranthene	15.25	252	39868m	5.233	ng	
90) Benzo(a)pyrene	15.64	252	35244	5.027	ng	# 80
92) Benzo(g,h,i)perylene	17.75	276	57928	9.718	ng	# 93

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102918\
Data File : BF110280.D
Acq On : 29 Oct 2018 23:33
Operator : JU/SJ
Sample : J5691-01 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

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QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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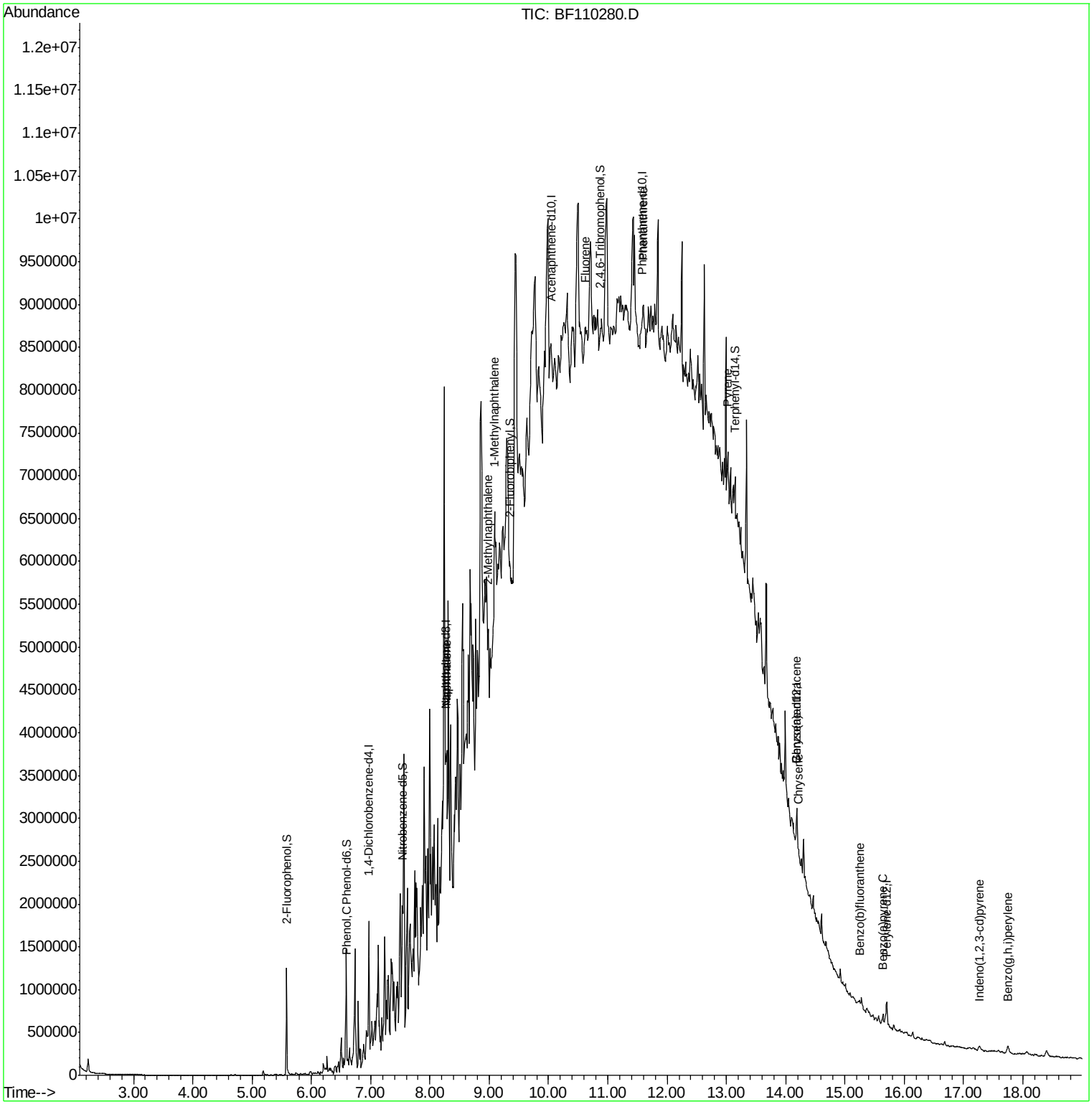
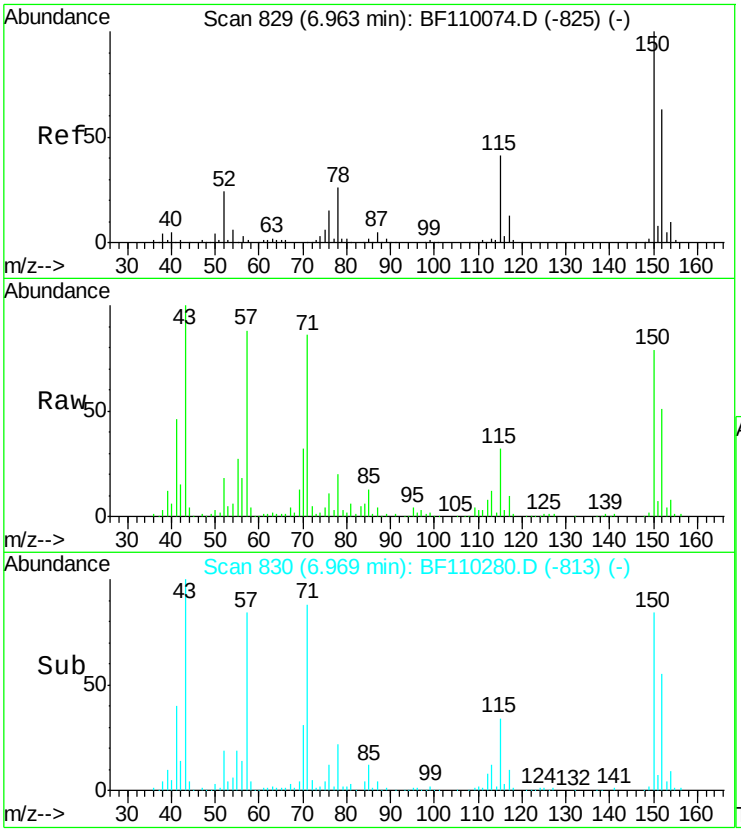
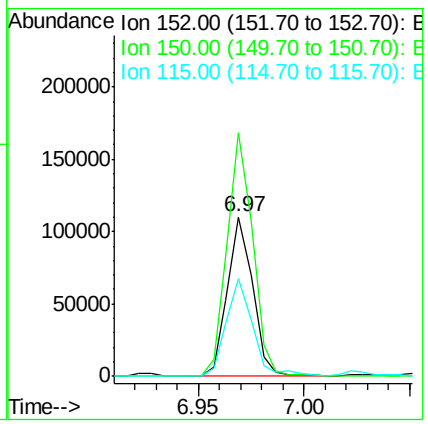




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:152 Resp: 92274

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.7	184.1
115	61.7	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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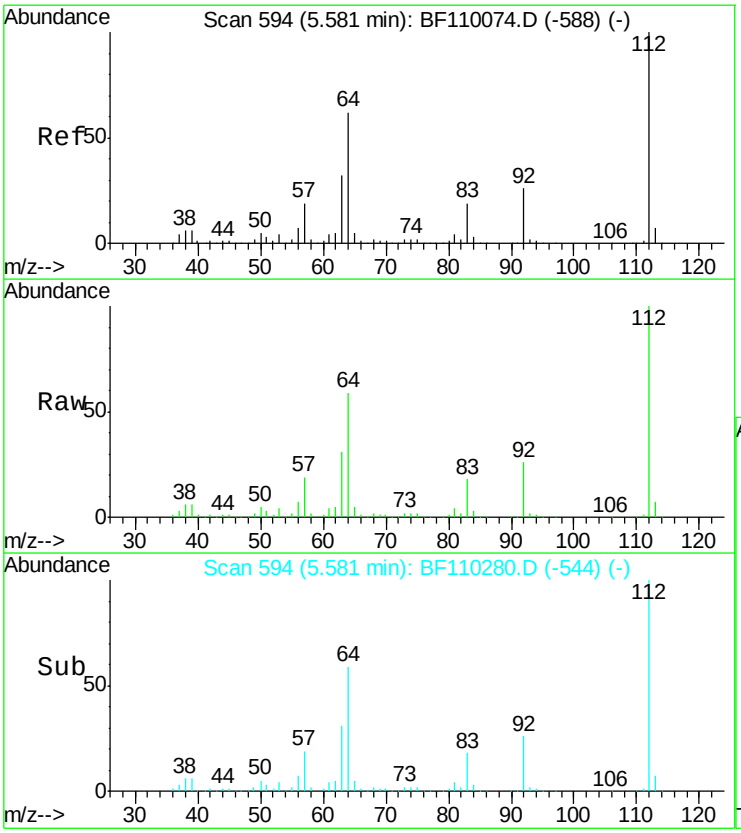
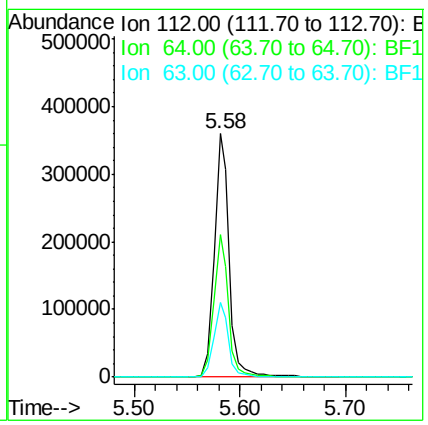
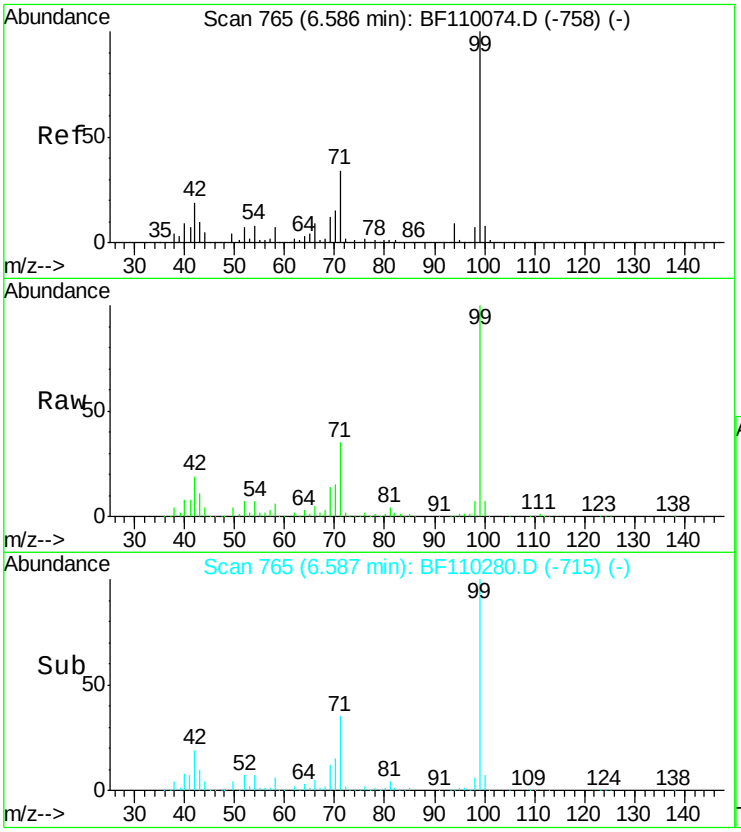


#5
2-Fluorophenol
Concen: 63.675 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:112 Resp: 360807

Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.1	66.1
63	30.9	23.7	35.5

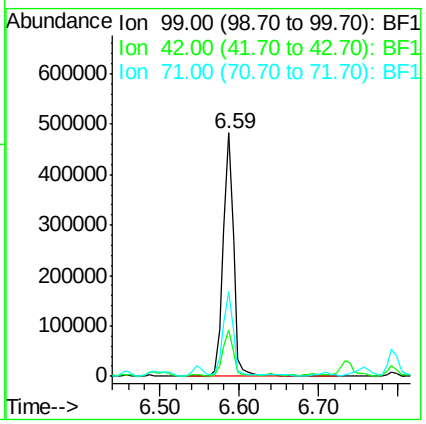




#7
Phenol-d6
Concen: 60.458 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion: 99 Resp: 438184

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.6
71	35.0	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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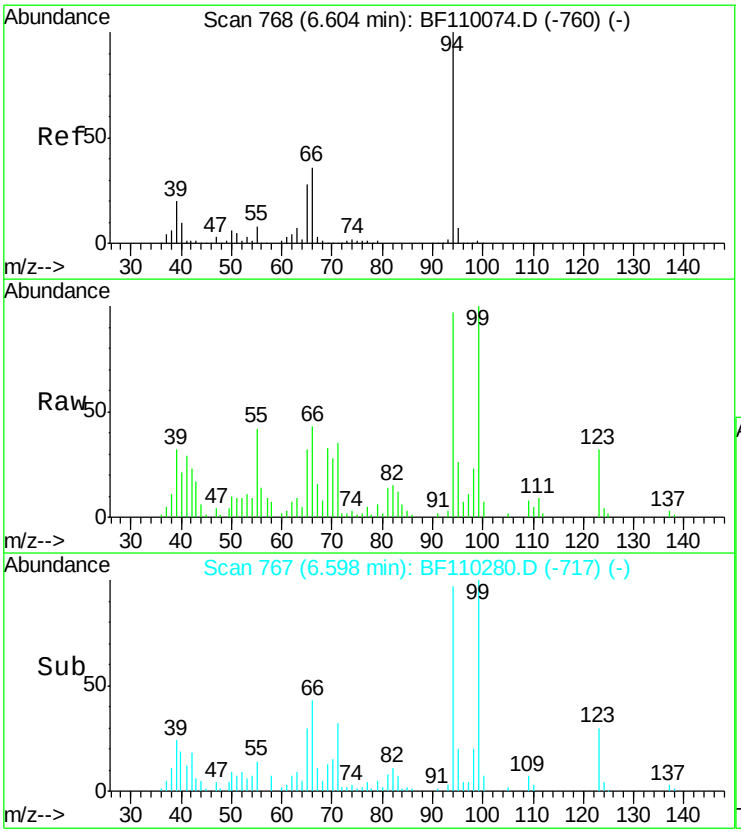
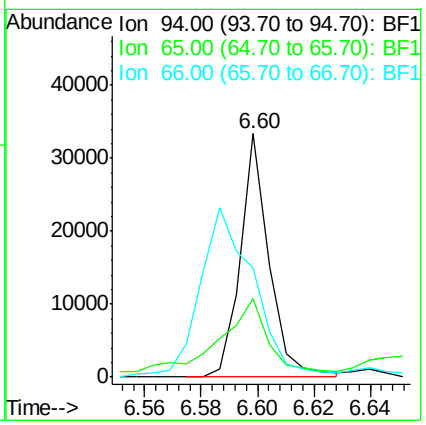
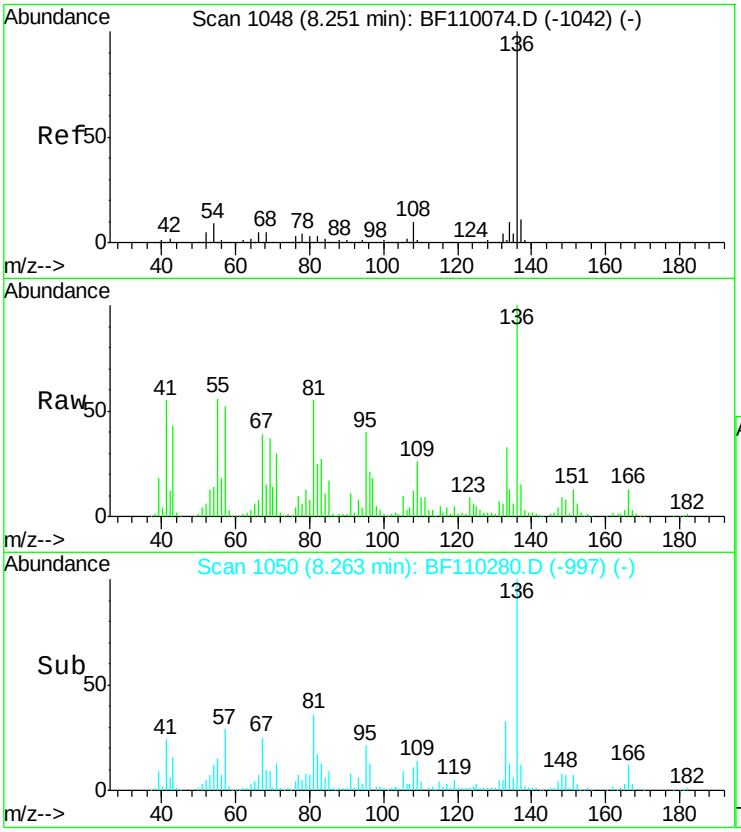


#10
Phenol
Concen: 3.036 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion: 94 Resp: 23524

Ion	Ratio	Lower	Upper
94	100		
65	32.4	25.3	65.3
66	44.7	54.5	94.5#

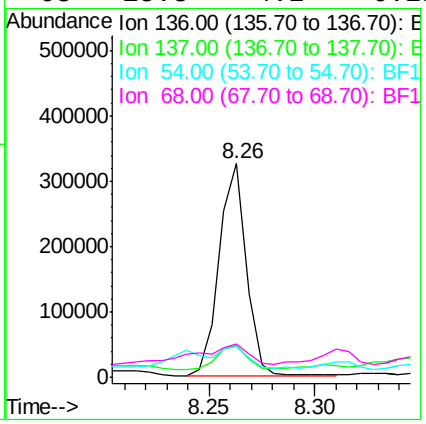




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:136 Resp: 287627

Ion	Ratio	Lower	Upper
136	100		
137	15.1	8.8	13.2#
54	14.5	5.4	8.2#
68	15.3	4.2	6.2#



Instrument :
BNA_F
ClientSampleId :
SB-12

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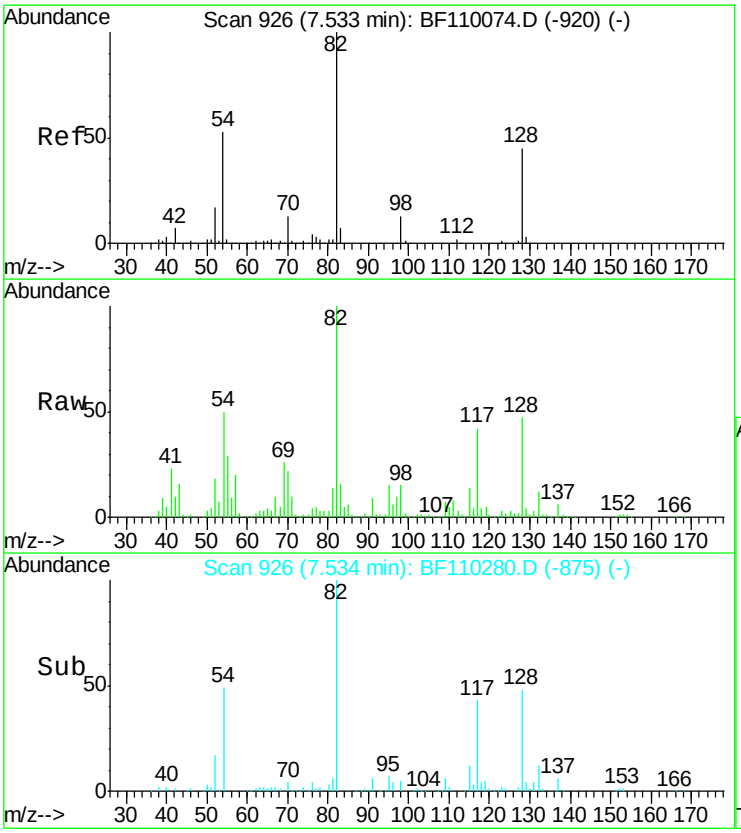
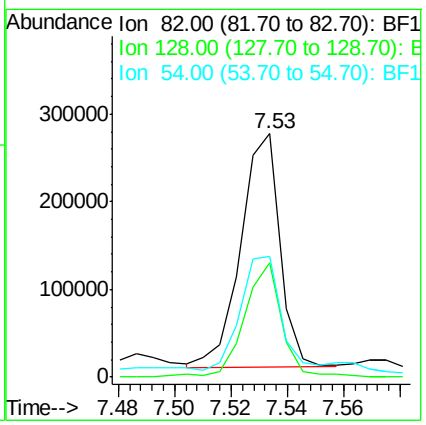
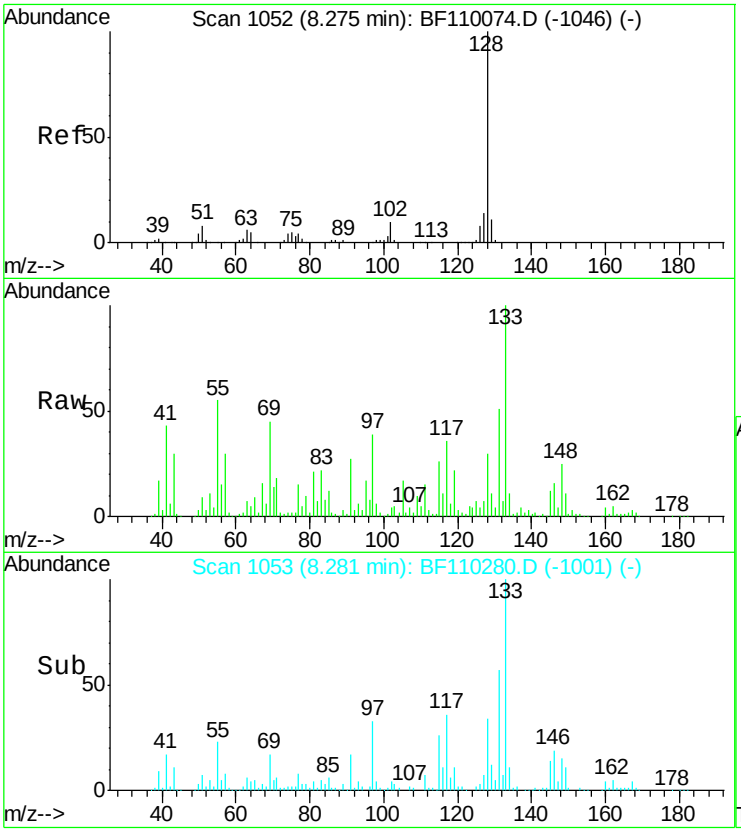


#23
Nitrobenzene-d5
Concen: 53.167 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion: 82 Resp: 257823

Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.2	51.2
54	49.8	38.6	58.0

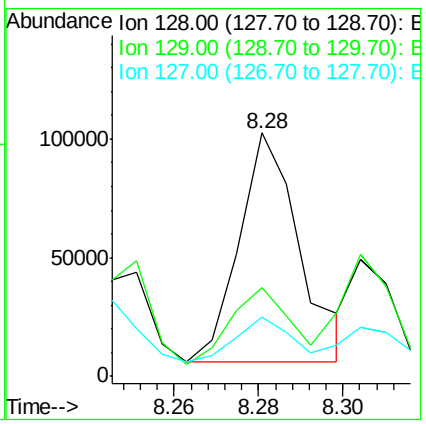




#31
Naphthalene
Concen: 7.235 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:128 Resp: 95915

Ion	Ratio	Lower	Upper
128	100		
129	36.5	8.8	13.2#
127	24.2	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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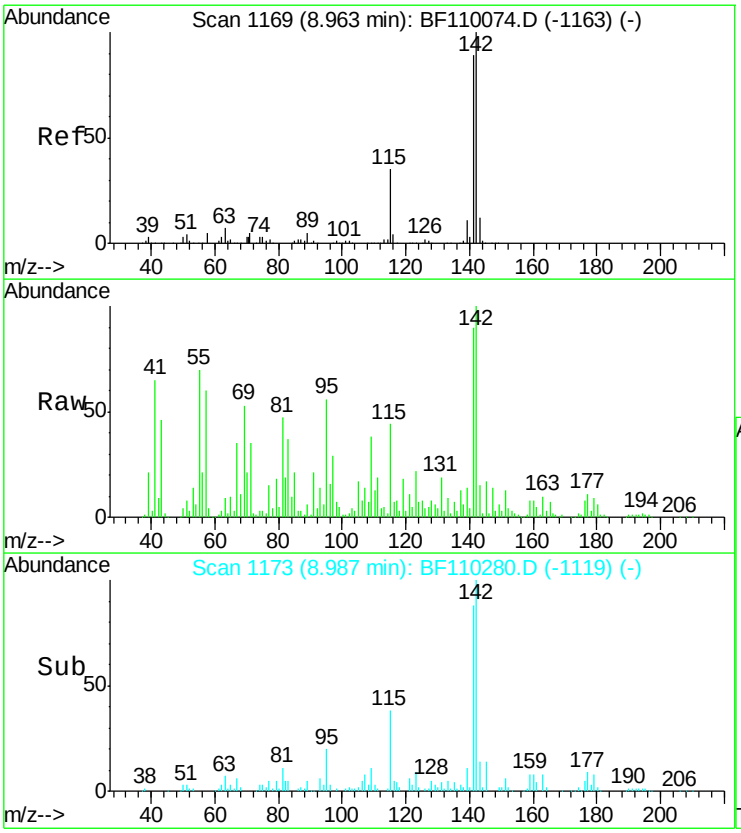
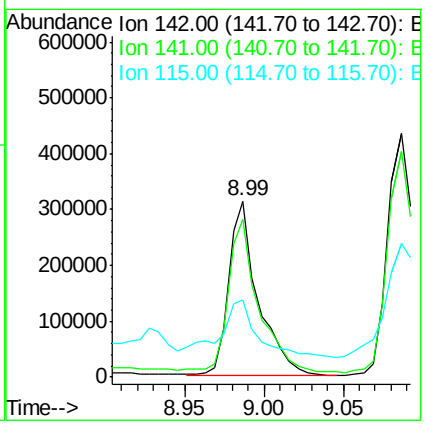
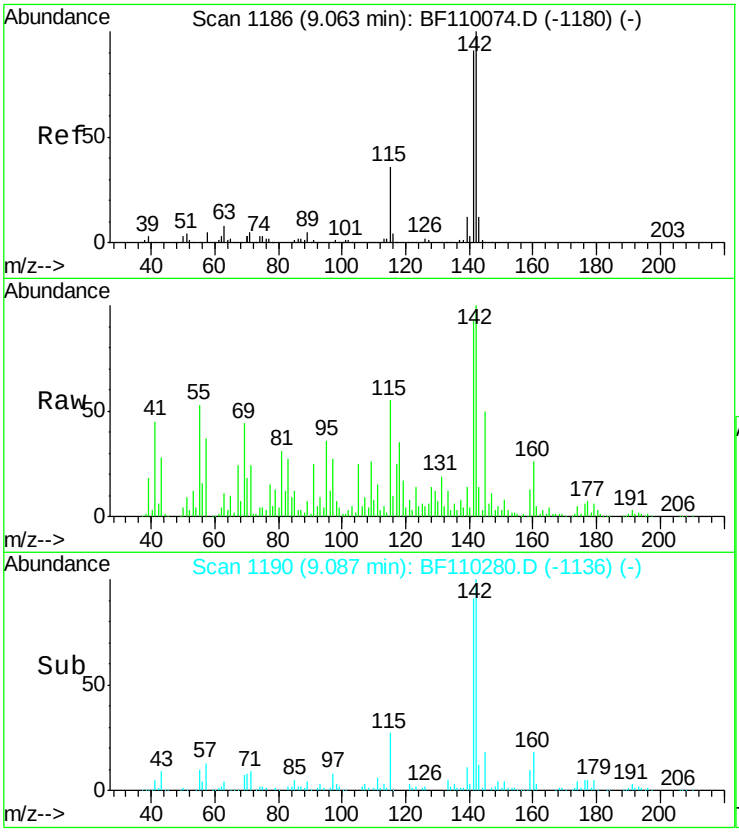


#37
2-Methylnaphthalene
Concen: 45.133 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:142 Resp: 395853

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.4	107.2
115	44.1	28.7	43.1#

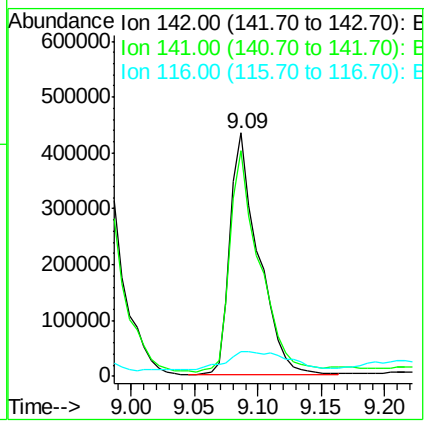




#38
1-Methylnaphthalene
Concen: 78.988 ng
RT: 9.09 min Scan# 1190
Delta R.T. 0.02 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:142 Resp: 669491

Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4
116	10.1	2.6	4.0#



Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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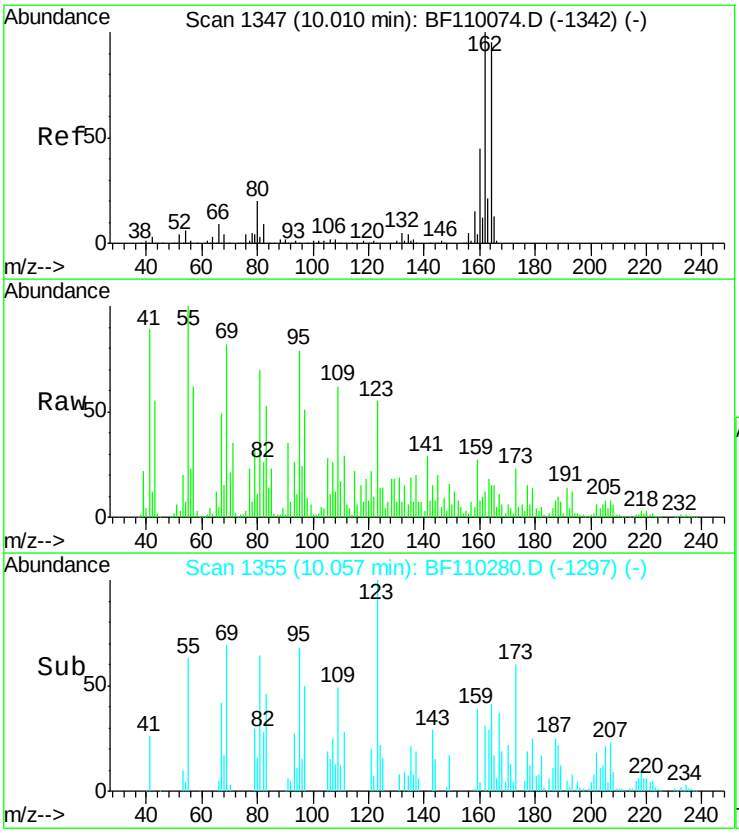
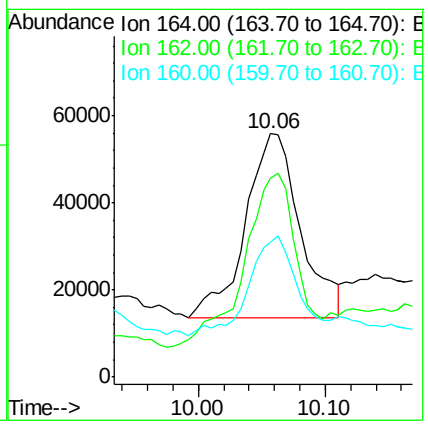
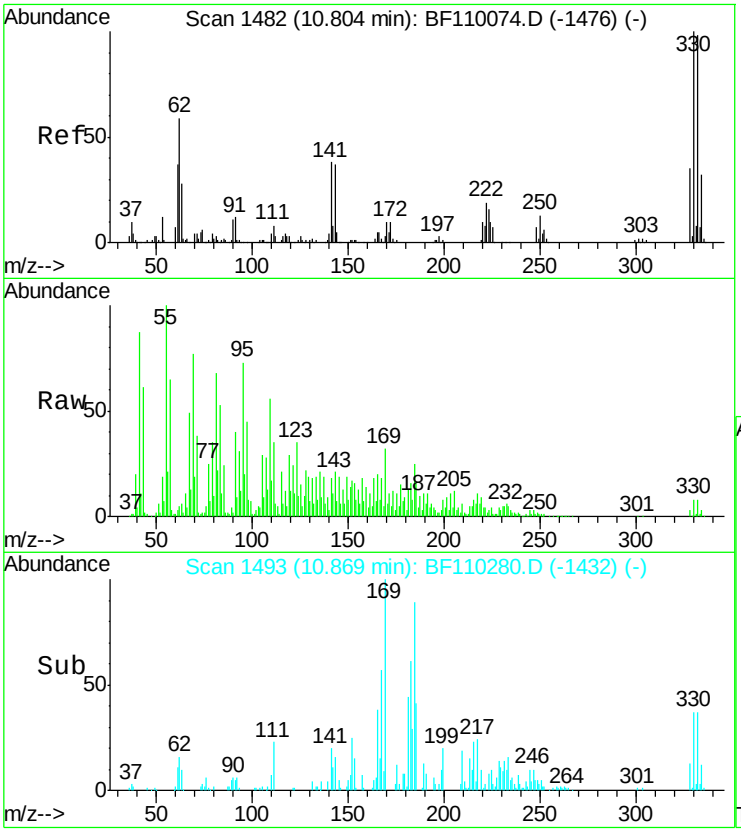


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.04 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:164 Resp: 127040

Ion	Ratio	Lower	Upper
164	100		
162	81.7	83.0	124.6#
160	55.2	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 40.511 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.06 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:330 Resp: 50980

Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.1	115.7
141	0.0	27.0	40.4#

Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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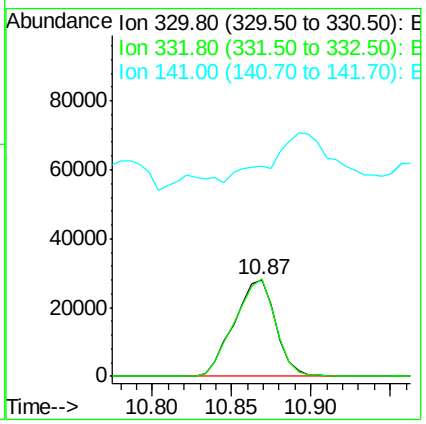
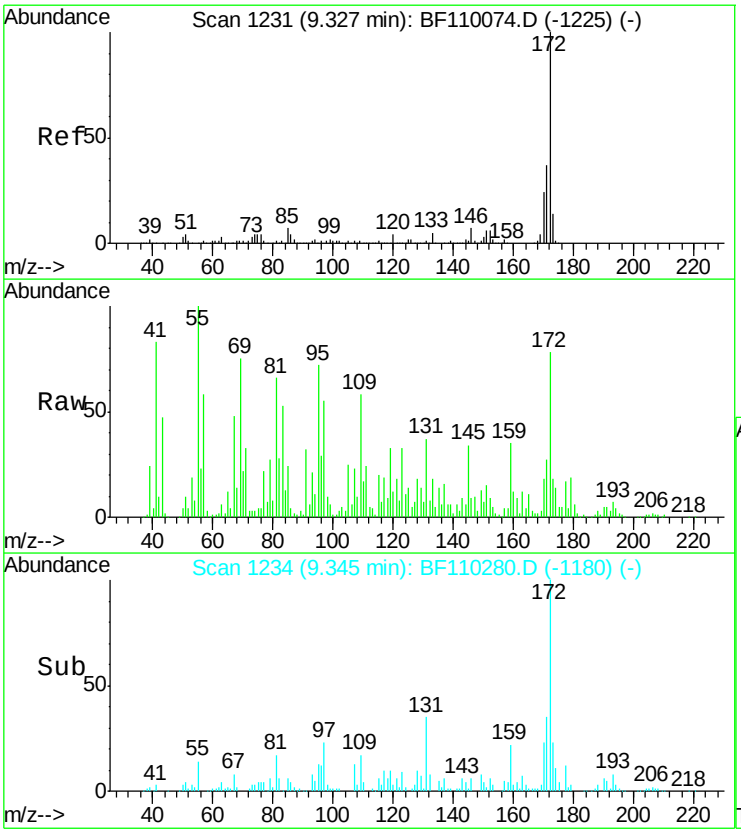
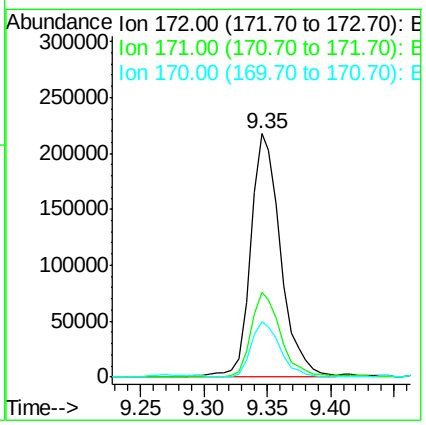


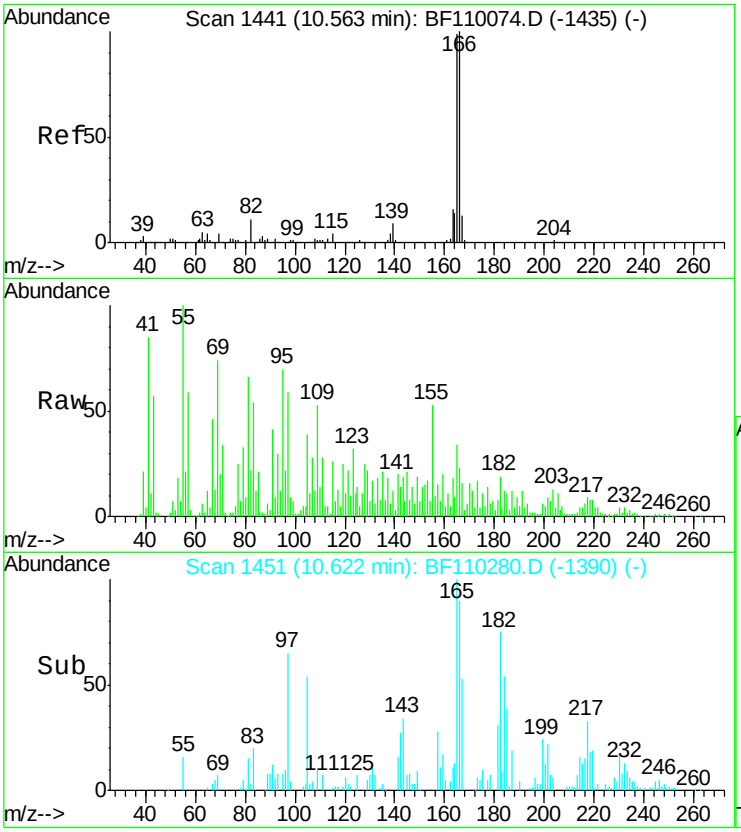


#45
2-Fluorobiphenyl
Concen: 43.926 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.02 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:172 Resp: 355381

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.8	19.7	29.5





#58
Fluorene
Concen: 18.462 ng m
RT: 10.62 min Scan# 1451
Delta R.T. 0.06 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:166 Resp: 154898

Ion	Ratio	Lower	Upper
166	100		
165	147.9	78.6	117.8#
167	69.9	10.8	16.2#

Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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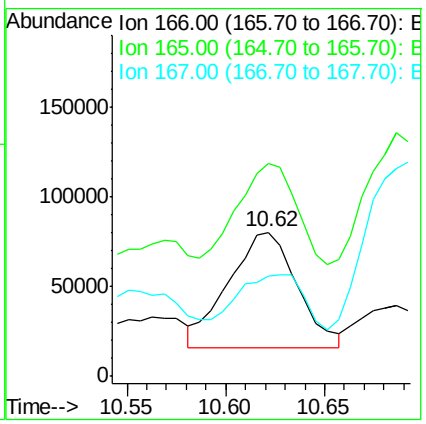
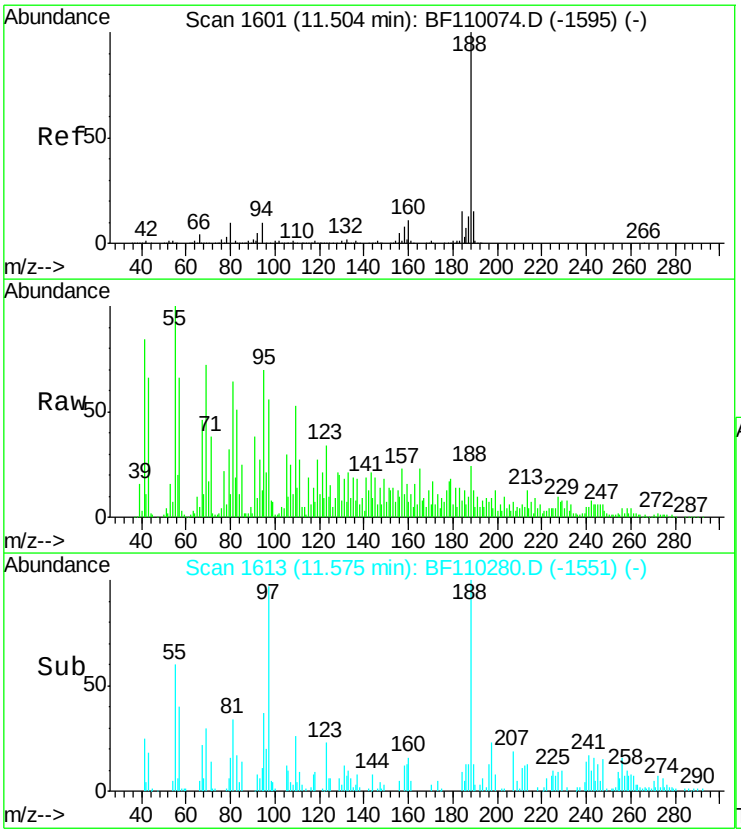
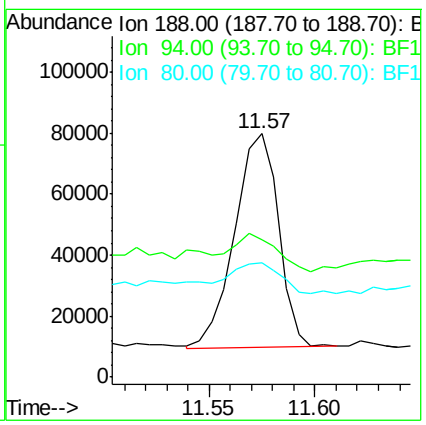


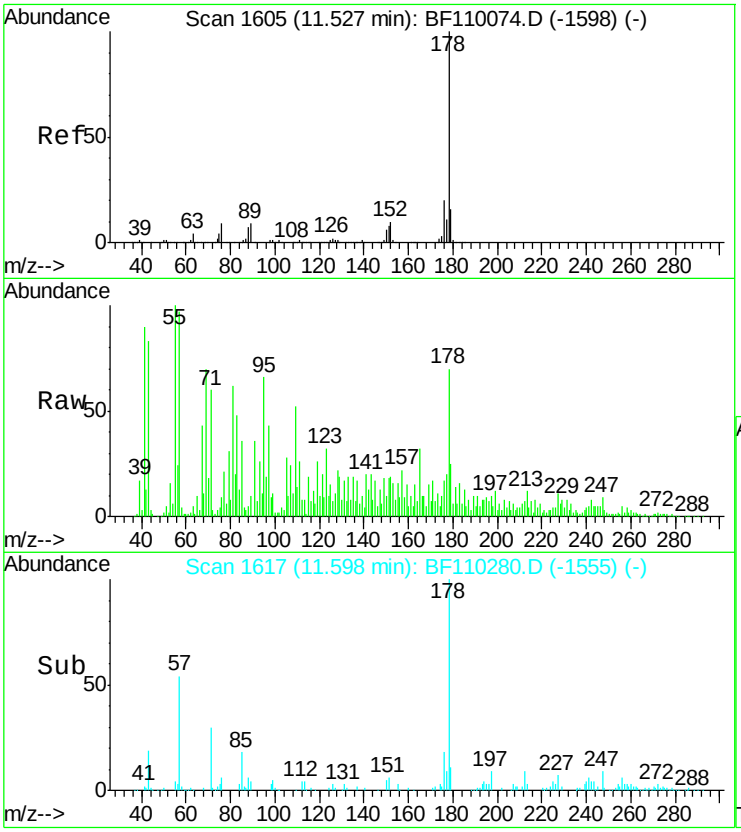


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.06 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:188 Resp: 101347

Ion	Ratio	Lower	Upper
188	100		
94	56.5	7.2	10.8#
80	47.1	7.9	11.9#

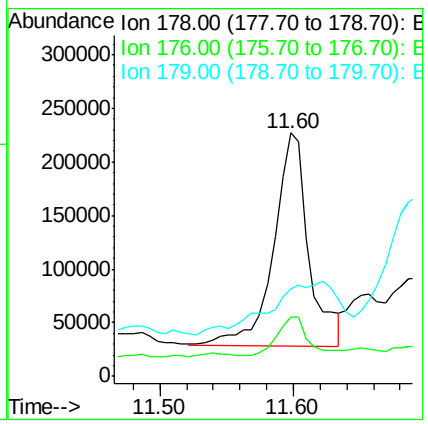




#71
Phenanthrene
Concen: 69.012 ng
RT: 11.60 min Scan# 1617
Delta R.T. 0.06 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:178 Resp: 365965

Ion	Ratio	Lower	Upper
178	100		
176	24.4	15.5	23.3#
179	36.2	12.5	18.7#



Instrument :
BNA_F
ClientSampleId :
SB-12

Manual Integrations APPROVED
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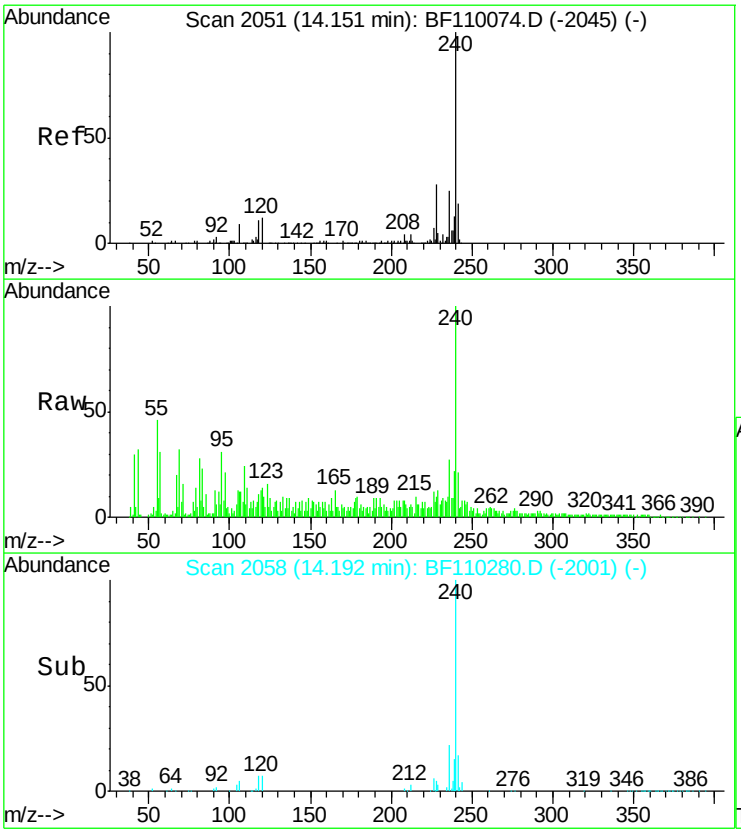
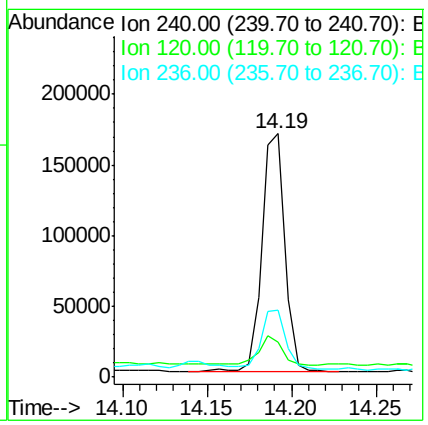
10/30/2018 5:41:24 PM

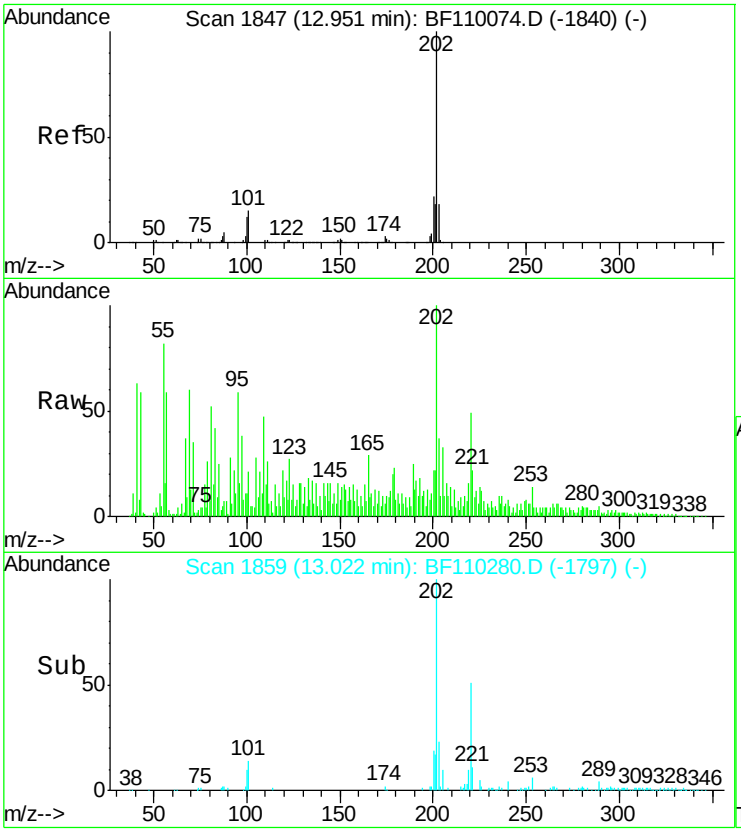


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2058
Delta R.T. 0.04 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:240 Resp: 157592

Ion	Ratio	Lower	Upper
240	100		
120	14.4	8.3	12.5#
236	27.5	21.2	31.8





#78
Pyrene
Concen: 23.495 ng m
RT: 13.02 min Scan# 1859
Delta R.T. 0.06 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:202 Resp: 265449

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	36.9	14.2	21.4#

Instrument :
BNA_F
ClientSampleId :
SB-12

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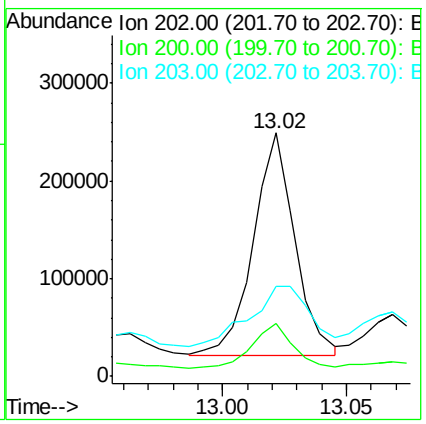
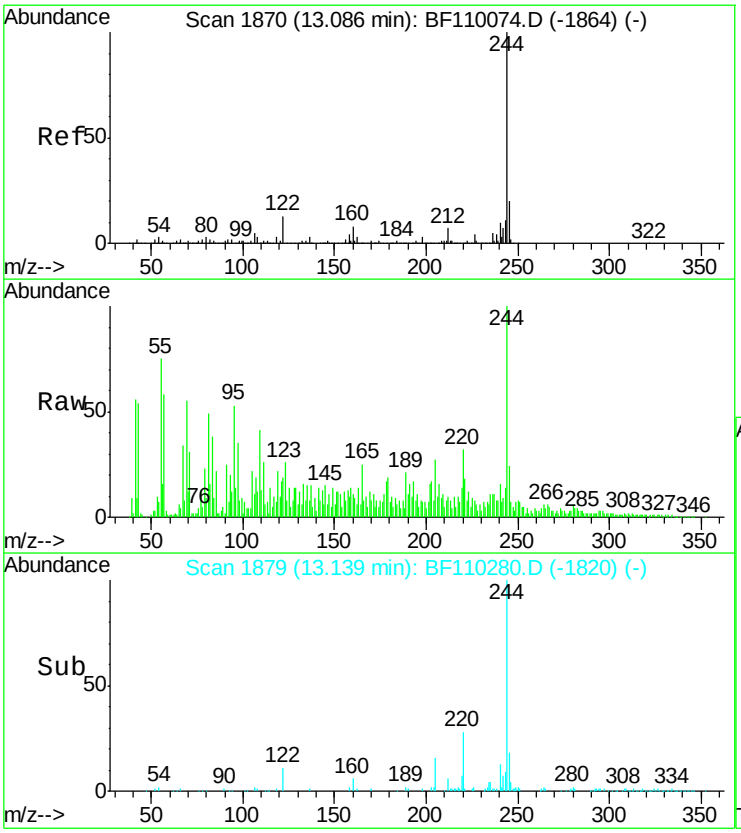
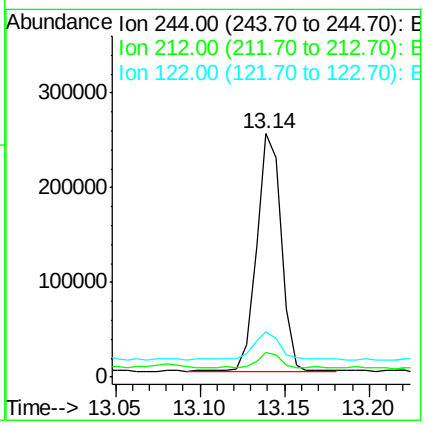


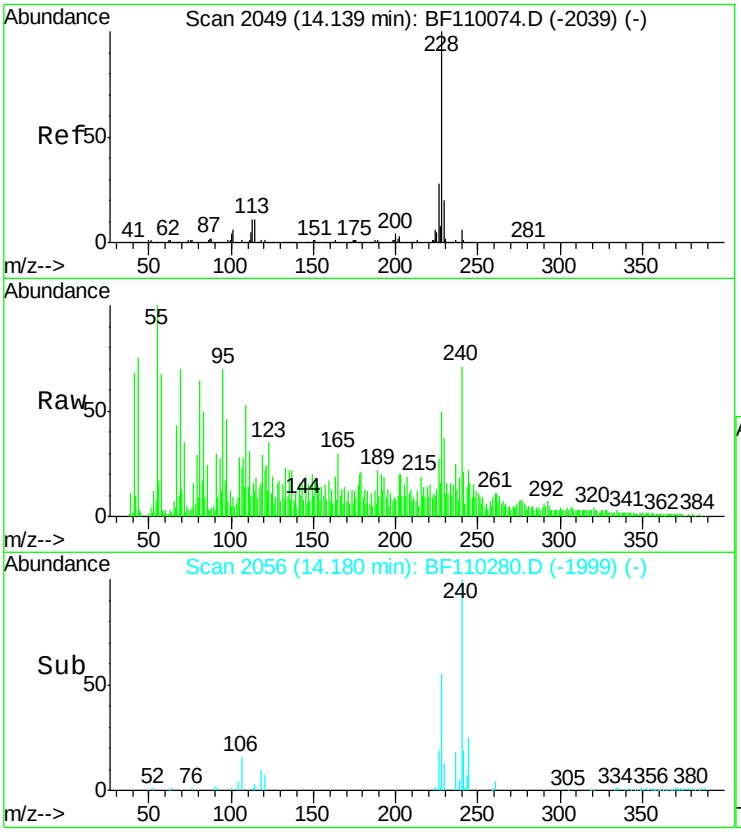


#79
Terphenyl-d14
Concen: 33.708 ng
RT: 13.14 min Scan# 1879
Delta R.T. 0.05 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:244 Resp: 255425

Ion	Ratio	Lower	Upper
244	100		
212	10.1	5.8	8.8#
122	18.8	8.7	13.1#





#81
Benzo(a)anthracene
Concen: 3.863 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.04 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:228 Resp: 36099

Ion	Ratio	Lower	Upper
228	100		
226	53.9	22.1	33.1#
229	75.1	15.6	23.4#

Instrument :
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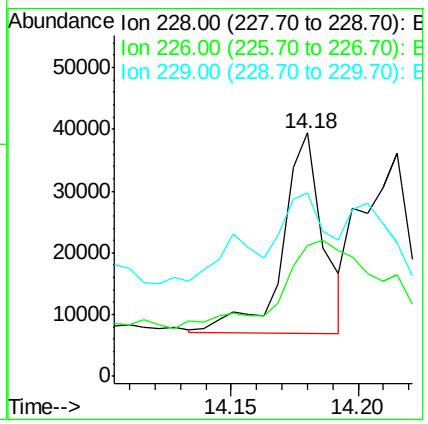
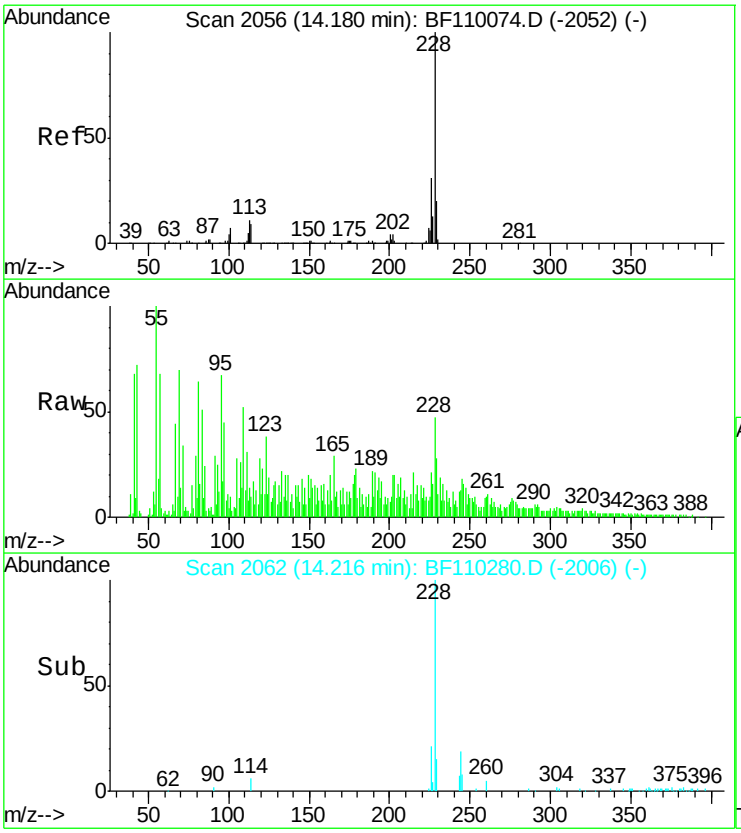
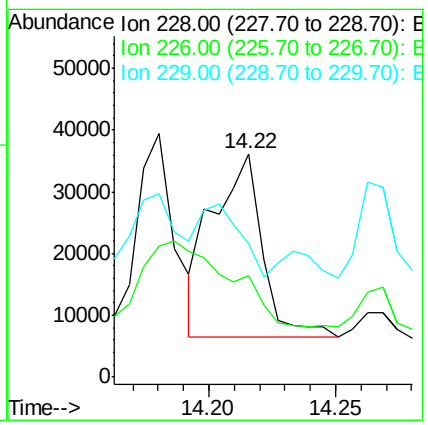


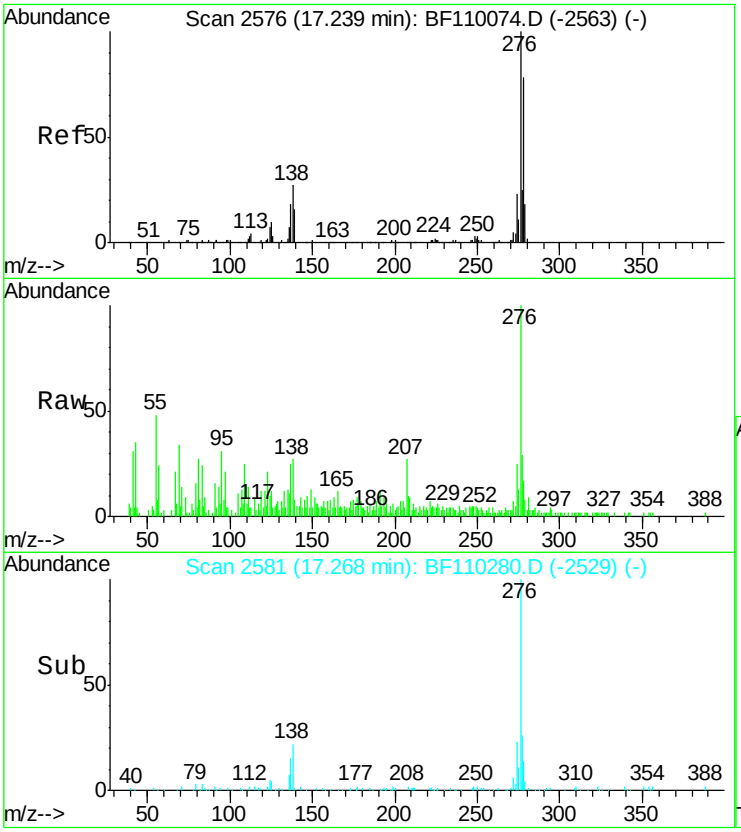


#83
Chrysene
Concen: 4.529 ng
RT: 14.22 min Scan# 2062
Delta R.T. 0.03 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:228 Resp: 40200

Ion	Ratio	Lower	Upper
228	100		
226	45.5	24.7	37.1#
229	59.7	15.9	23.9#

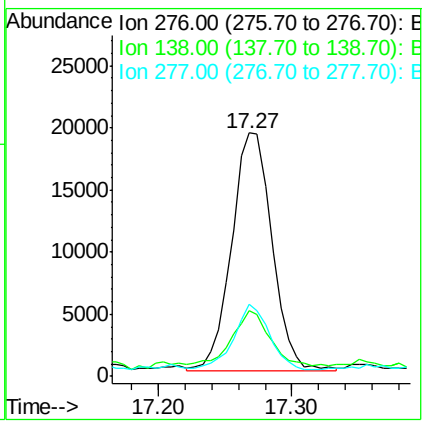




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.447 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:276 Resp: 40112

Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.5	27.7
277	24.4	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
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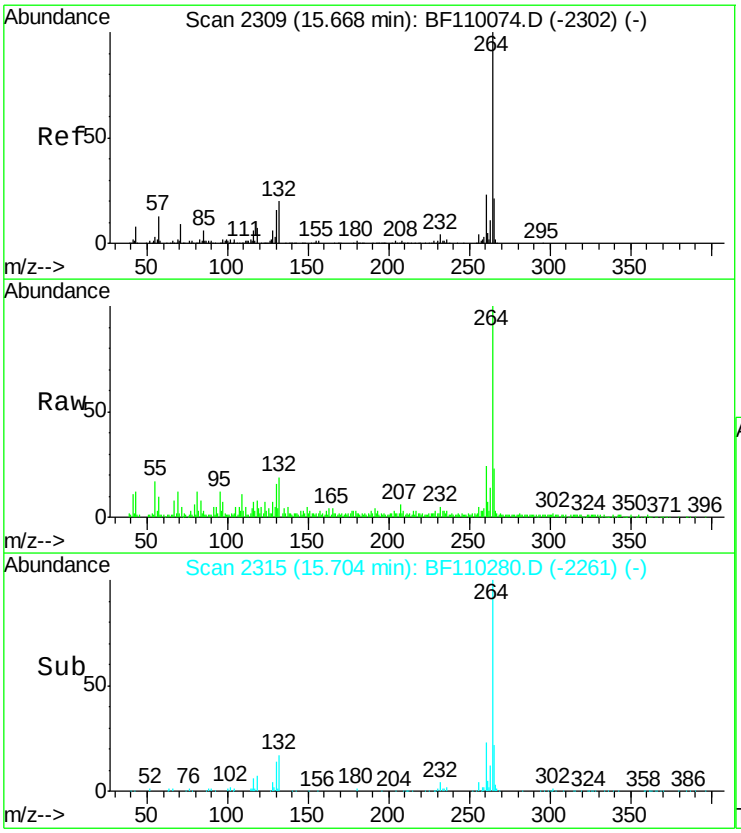
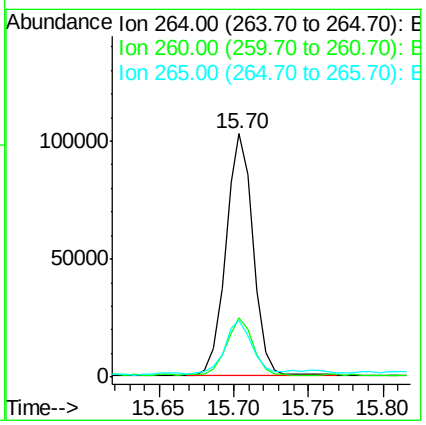
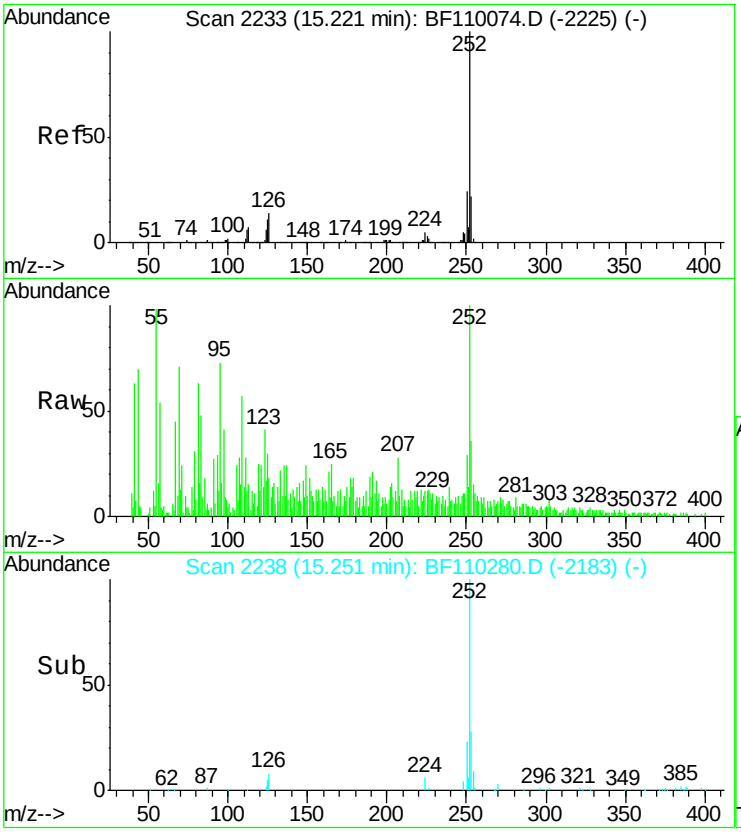


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:264 Resp: 131934

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	23.1	16.7	25.1





#88
Benzo(b)fluoranthene
Concen: 5.233 ng m
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:252 Resp: 39868

Ion	Ratio	Lower	Upper
252	100		
253	36.3	17.2	25.8#
125	30.4	8.2	12.4#

Instrument :
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ClientSampleId :
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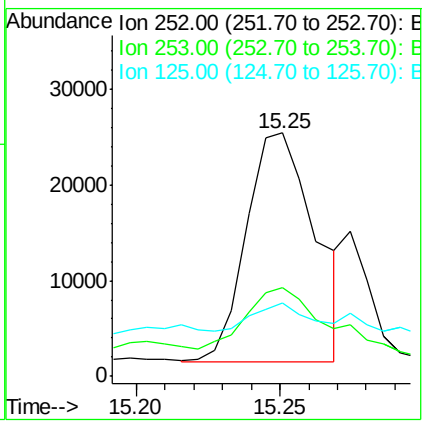
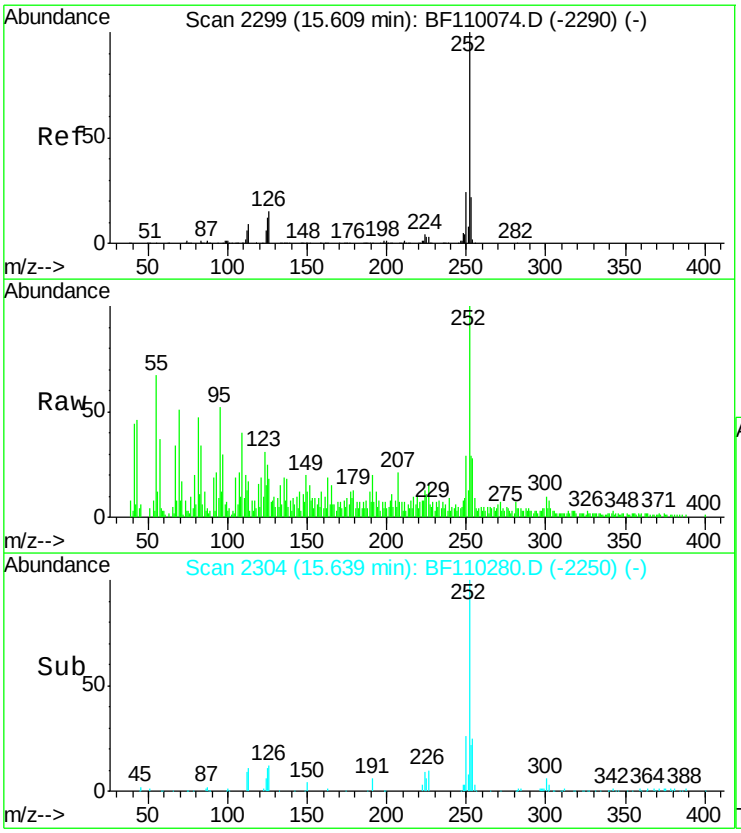
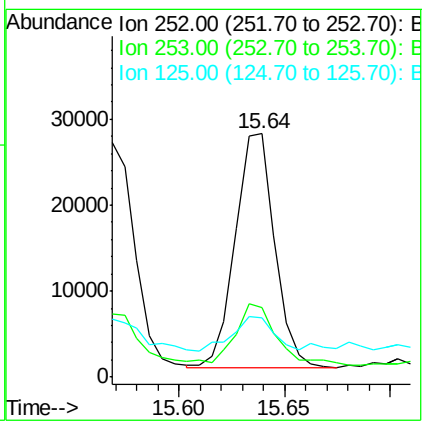


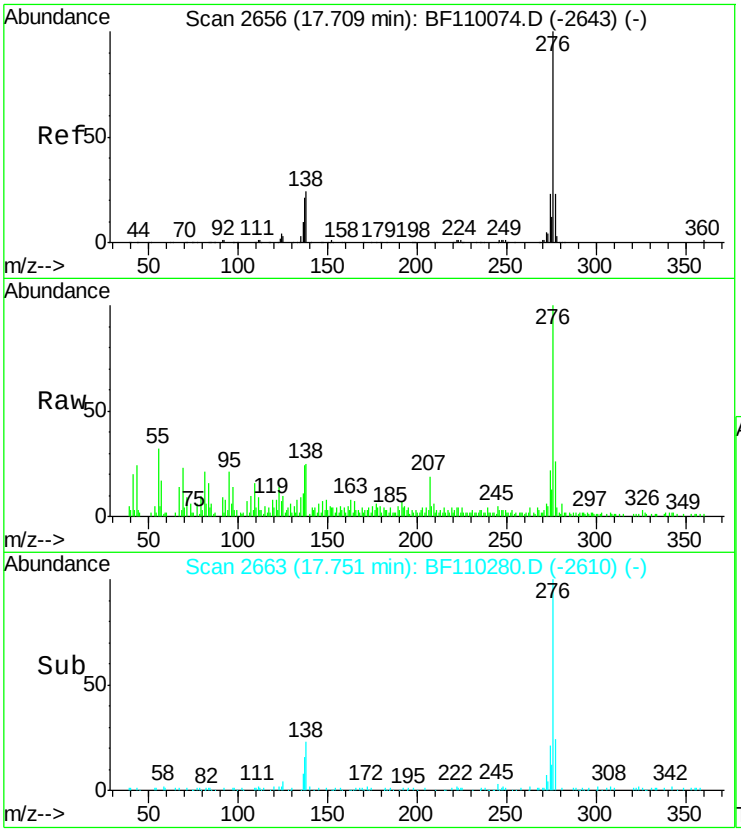


#90
Benzo(a)pyrene
Concen: 5.027 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:252 Resp: 35244

Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.2	27.4#
125	24.6	9.0	13.6#

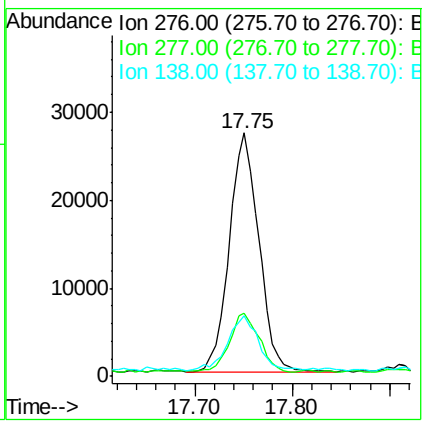




#92
Benzo(g,h,i)perylene
Concen: 9.718 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.01 min
Lab File: BF110280.D
Acq: 29 Oct 2018 23:33

Tgt Ion:276 Resp: 57928

Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	24.9	16.0	24.0#



Instrument :
BNA_F
ClientSampleId :
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