Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
Data File : BF112607.D
Acq On : 18 Feb 2019 18:06
Operator : JU/SJ
Sample : K1518-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 00:23:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	95204	20.00	ng		-0.02
21) Naphthalene-d8	8.10	136	375965	20.00	ng		-0.02
39) Acenaphthene-d10	9.86	164	189708	20.00	ng		-0.02
64) Phenanthrene-d10	11.36	188	344336	20.00	ng		-0.01
76) Chrysene-d12	14.01	240	209198	20.00	ng		0.00
87) Perylene-d12	15.49	264	218374	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	737963	164.64	ng		-0.02
7) Phenol-d6	6.48	99	955460	153.41	ng		-0.01
23) Nitrobenzene-d5	7.39	82	622557	95.41	ng		-0.02
42) 2,4,6-Tribromophenol	10.66	330	315404	142.84	ng		-0.02
45) 2-Fluorobiphenyl	9.18	172	1021289	76.14	ng		-0.02
79) Terphenyl-d14	12.93	244	868102	78.16	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.49	94	71914	10.524	ng		93
31) Naphthalene	8.13	128	244018	13.879	ng		98
37) 2-Methylnaphthalene	8.82	142	122315	10.162	ng		96
38) 1-Methylnaphthalene	8.92	142	130451	11.308	ng		98
46) 1,1'-Biphenyl	9.28	154	40746	2.457	ng		97
49) Acenaphthylene	9.72	152	111820	5.932	ng		96
50) Dimethylphthalate	9.57	163	85171	5.778	ng		99
52) Acenaphthene	9.89	154	180616	16.039	ng		99
55) Dibenzofuran	10.07	168	218393	12.691	ng		95
58) Fluorene	10.41	166	343248	26.655	ng		96
71) Phenanthrene	11.39	178	3372302	188.380	ng		98
72) Anthracene	11.43	178	806294	45.216	ng		99
73) Carbazole	11.59	167	318710	18.119	ng		99
75) Fluoranthene	12.59	202	3193133	166.305	ng		99
78) Pyrene	12.82	202	2720112	187.805	ng		98
81) Benzo(a)anthracene	14.00	228	1272216	103.451	ng		100
83) Chrysene	14.04	228	1084738	92.406	ng		99
86) Indeno(1,2,3-cd)pyrene	16.99	276	595894	64.063	ng	#	93
88) Benzo(b)fluoranthene	15.06	252	1304341m	99.874	ng		
89) Benzo(k)fluoranthene	15.09	252	454282m	36.315	ng		
90) Benzo(a)pyrene	15.43	252	946652	80.559	ng		98
91) Dibenzo(a,h)anthracene	16.99	278	173022	18.269	ng		95
92) Benzo(g,h,i)perylene	17.44	276	533606	59.720	ng		97

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

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CABLE-BRIDGE-FOUNDATION-D-3

Manual Integrations APPROVED
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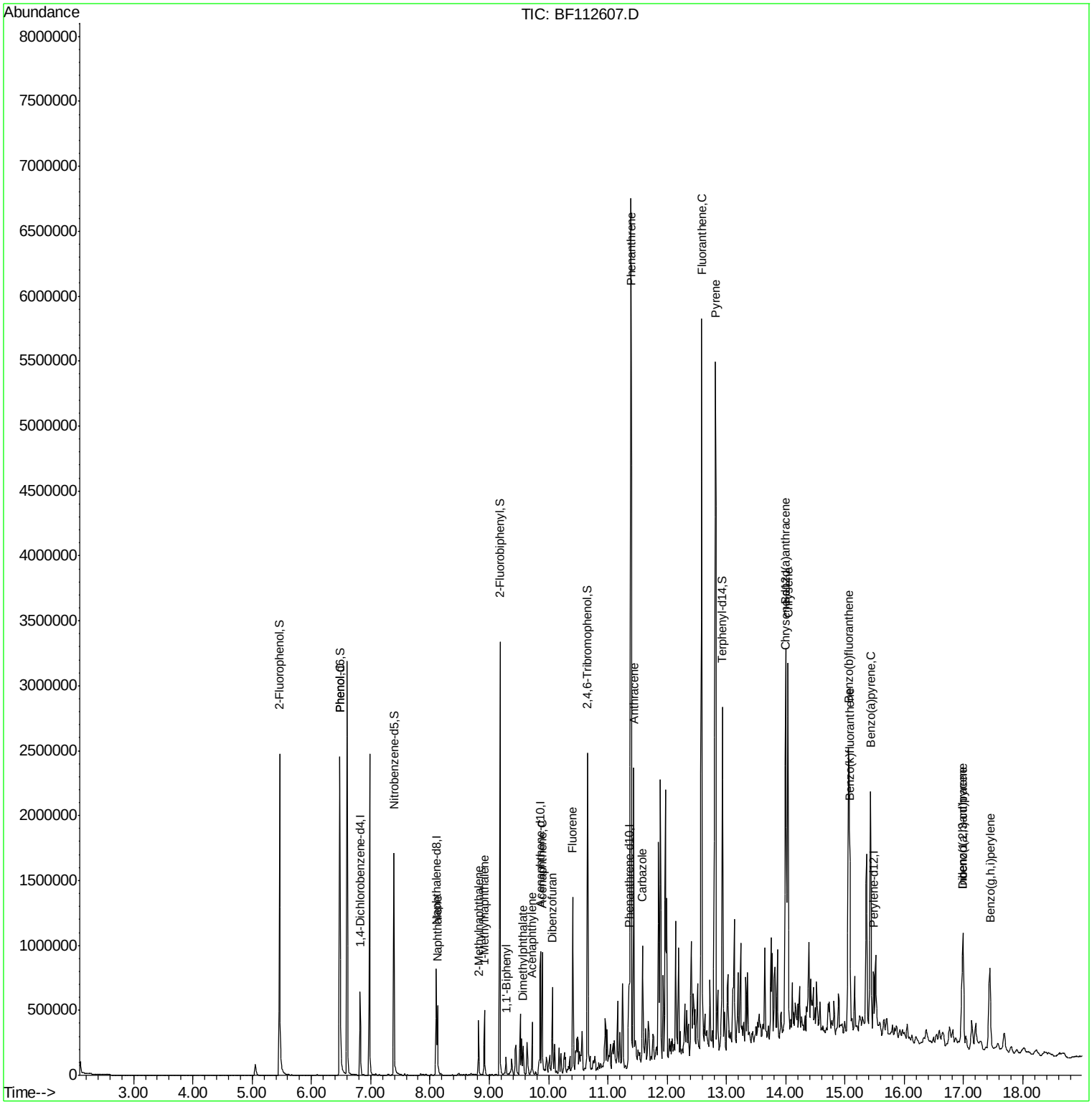
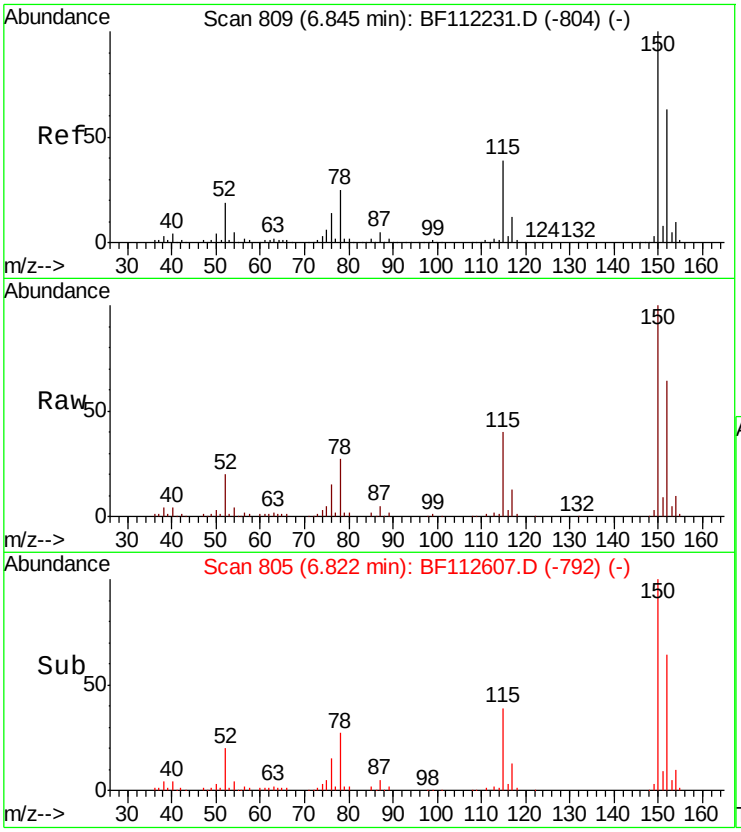
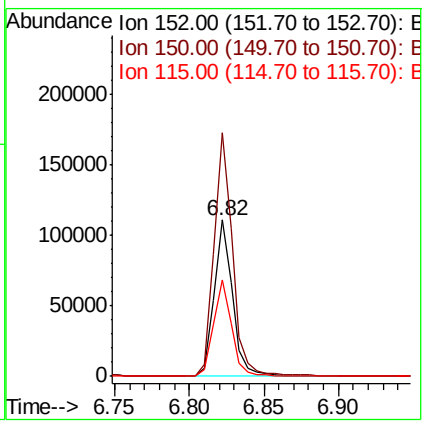




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:152 Resp: 95204

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.0
115	61.8	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

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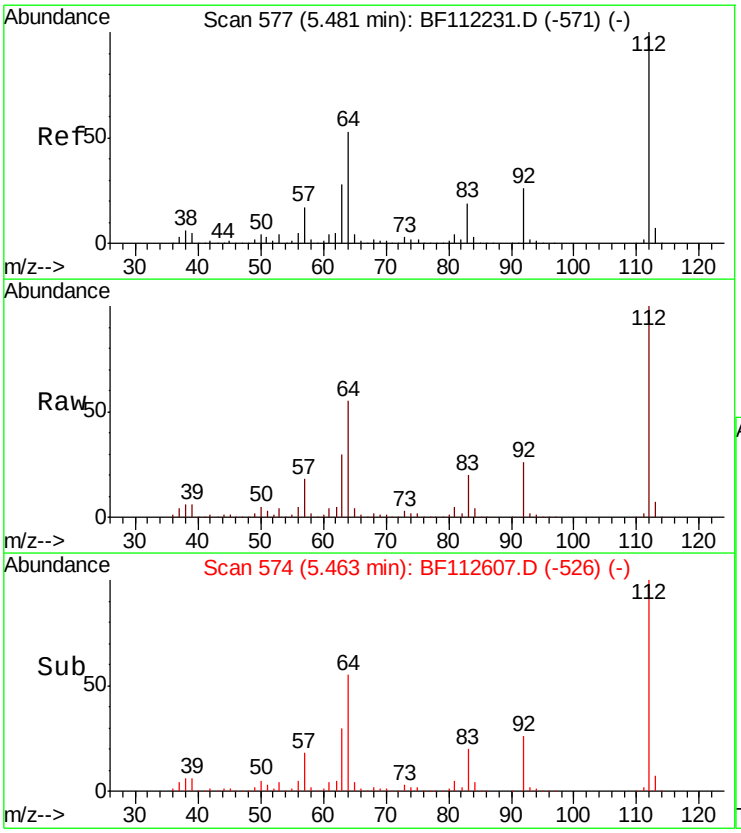
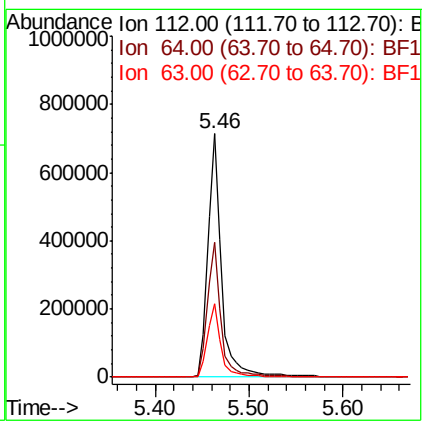
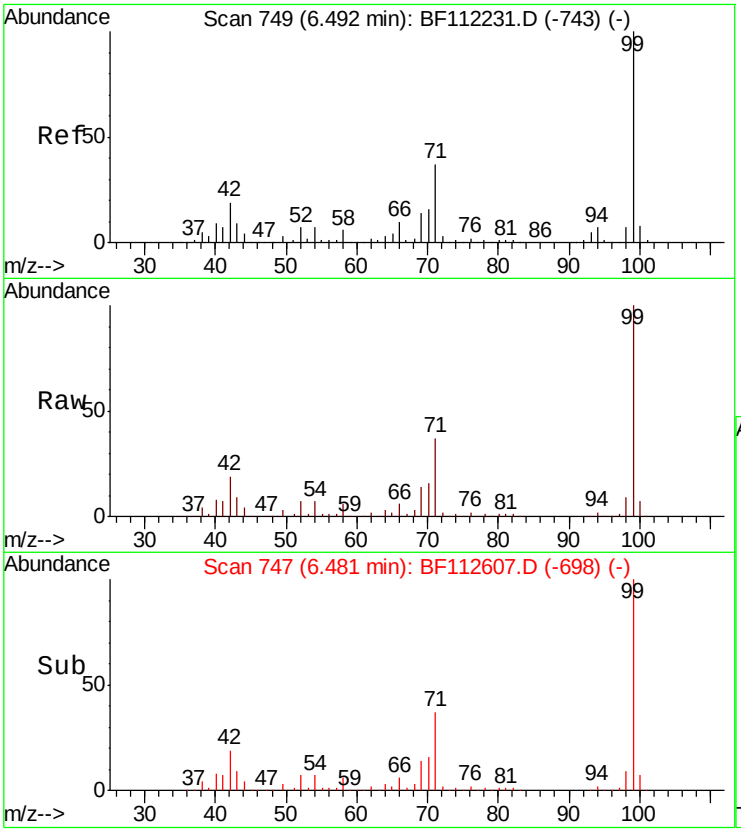


#5
2-Fluorophenol
Concen: 164.645 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:112 Resp: 737963

Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.7	68.5
63	30.3	23.6	35.4

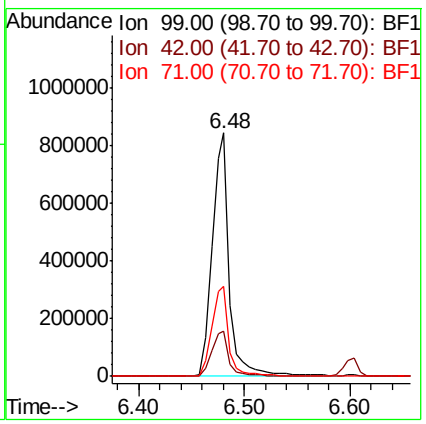




#7
Phenol-d6
Concen: 153.409 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion: 99 Resp: 955460

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.1	22.7
71	37.0	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

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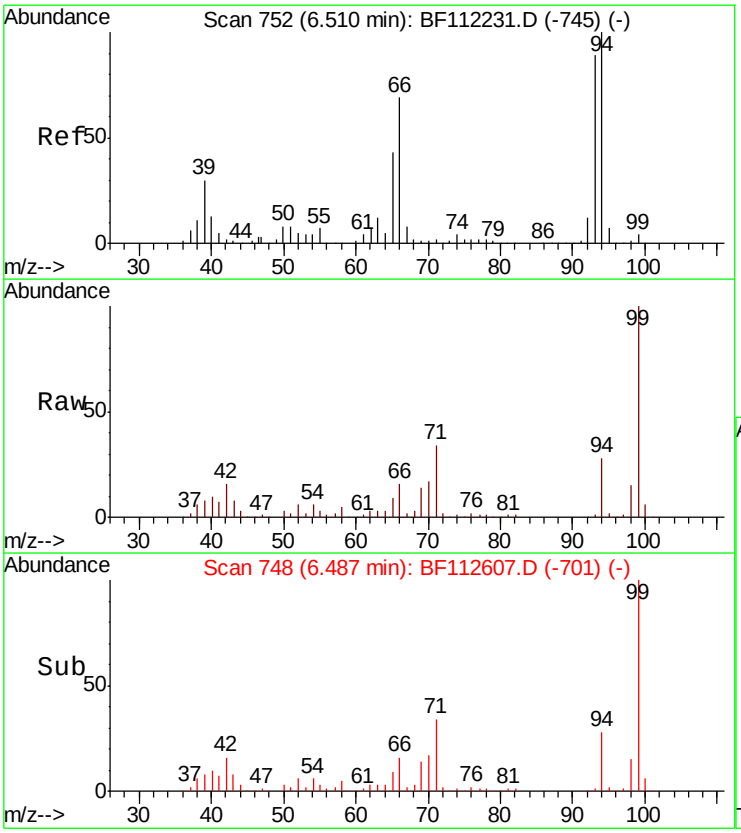
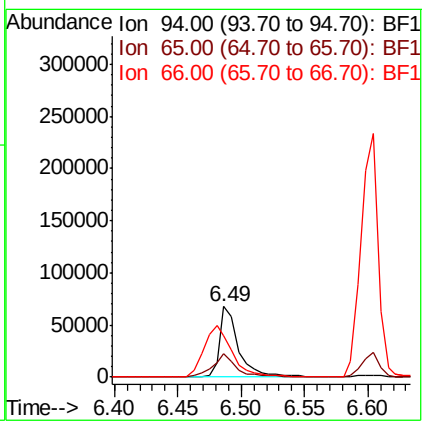
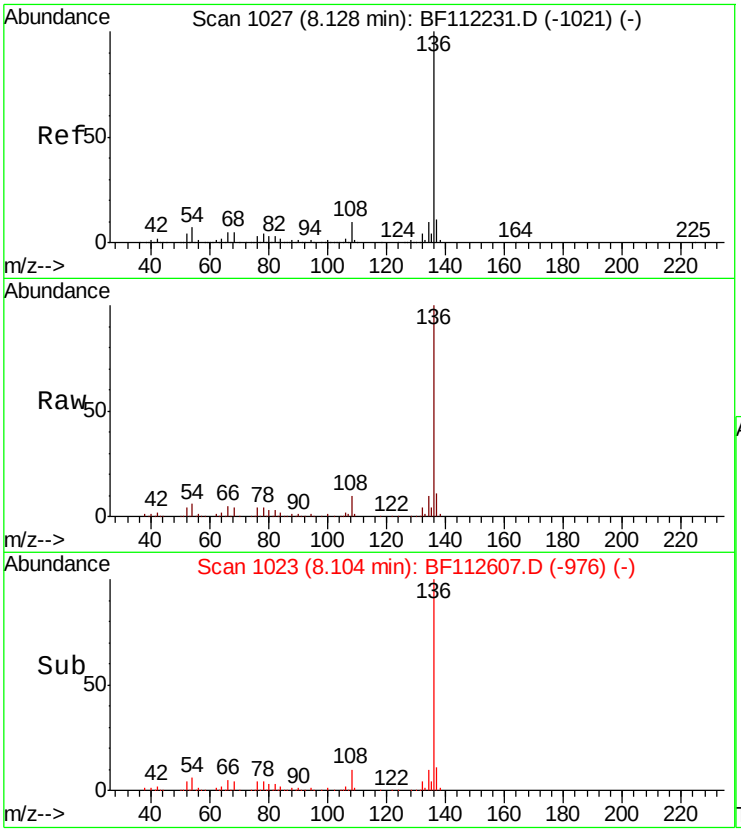


#10
Phenol
Concen: 10.524 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion: 94 Resp: 71914

Ion	Ratio	Lower	Upper
94	100		
65	33.2	20.3	60.3
66	58.6	42.4	82.4

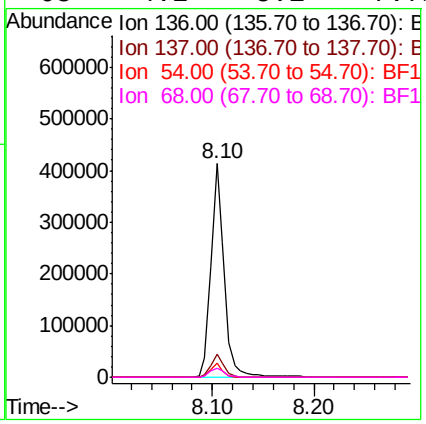




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:136 Resp: 375965

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.4	5.9	8.9
68	4.2	5.1	7.7#



Instrument :
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ClientSampleId :
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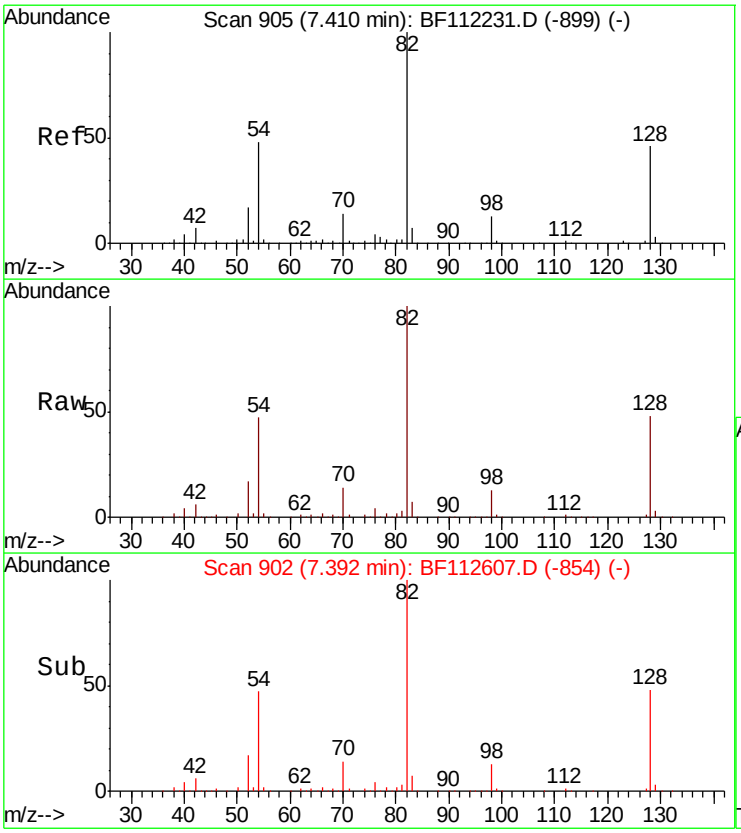
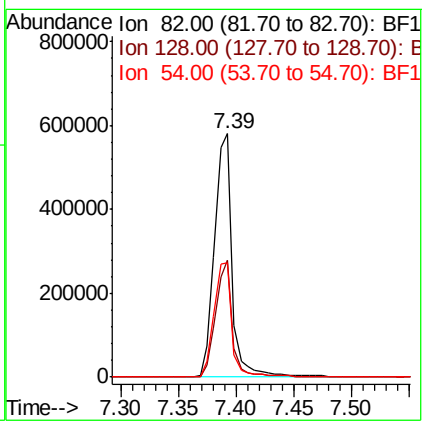
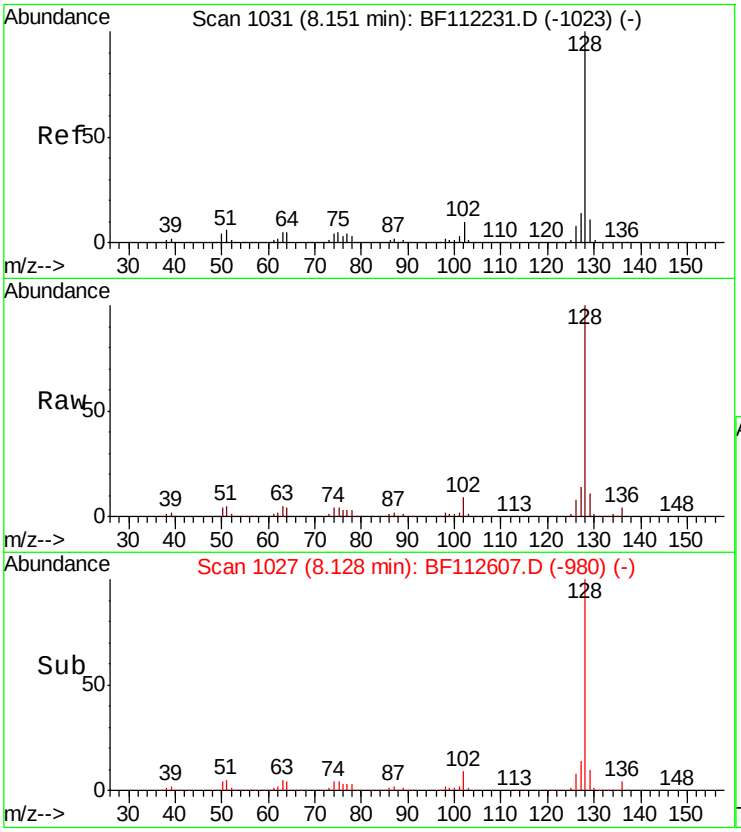


#23
Nitrobenzene-d5
Concen: 95.412 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion: 82 Resp: 622557

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.8	56.8
54	46.9	39.7	59.5

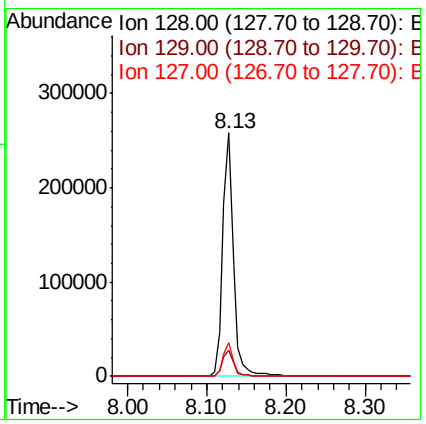




#31
Naphthalene
Concen: 13.879 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:128 Resp: 244018

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.6	14.4
127	13.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

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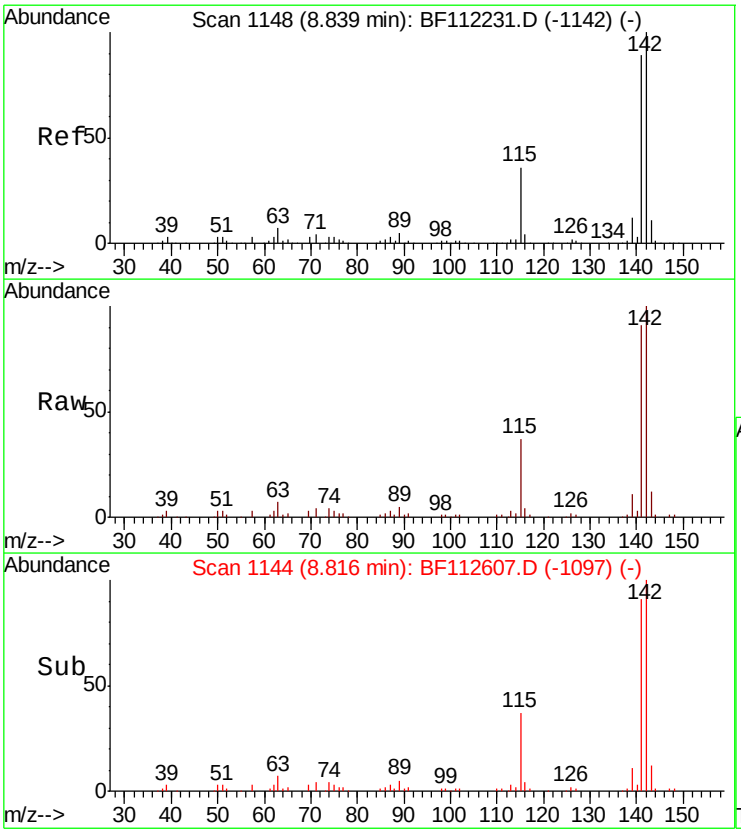
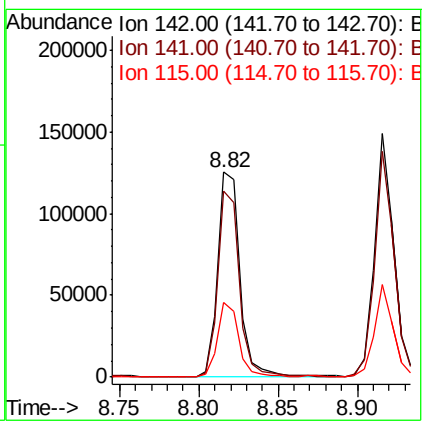
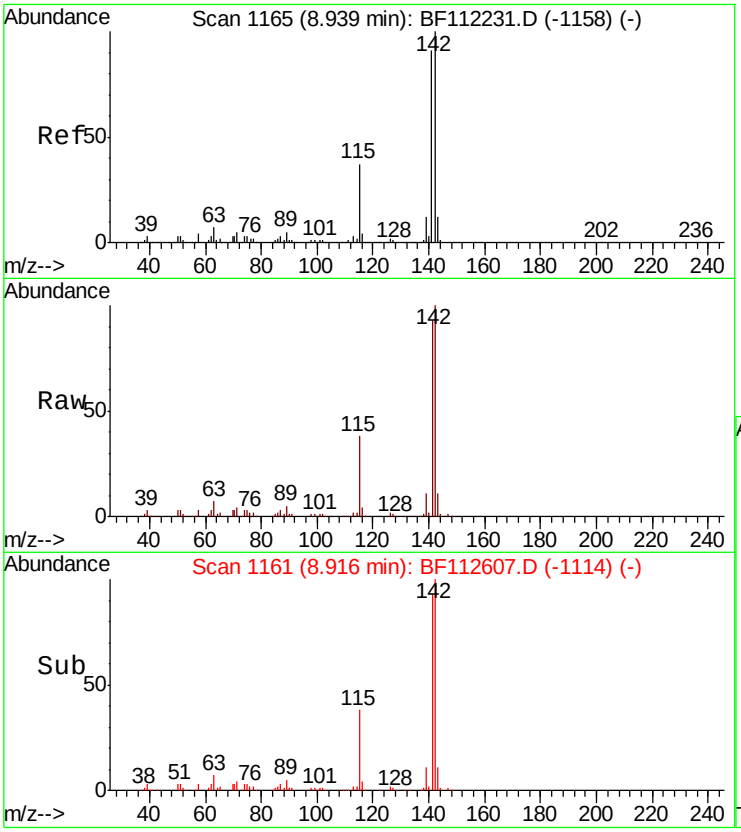


#37
2-Methylnaphthalene
Concen: 10.162 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:142 Resp: 122315

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.9	106.3
115	36.5	24.9	37.3

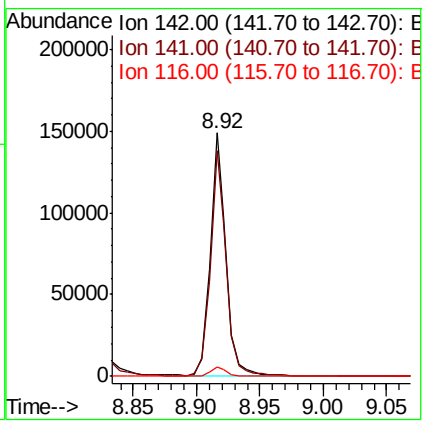




#38
1-Methylnaphthalene
Concen: 11.308 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:142 Resp: 130451

Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.6	108.8
116	4.0	2.8	4.2



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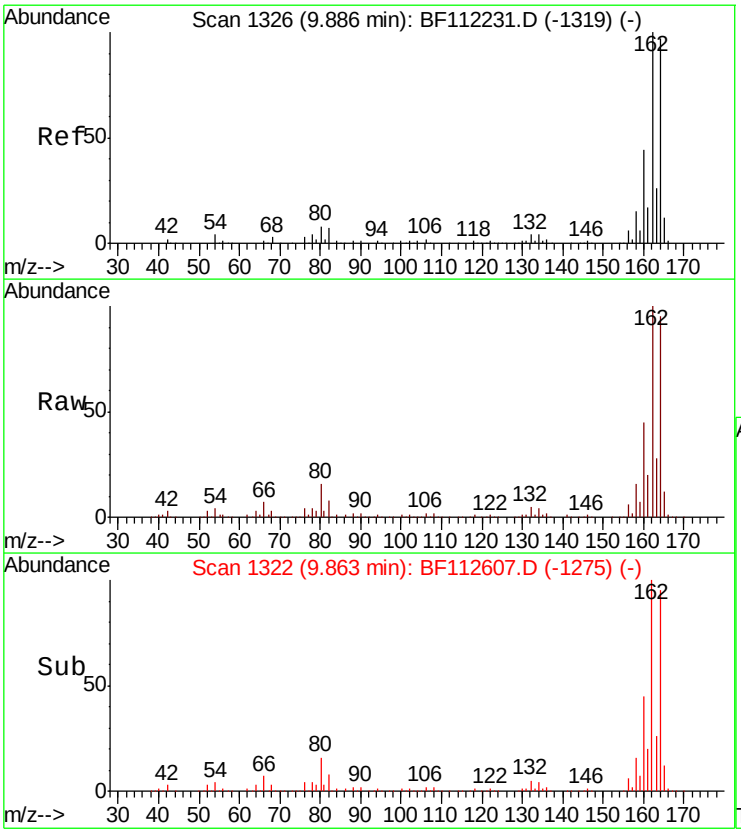
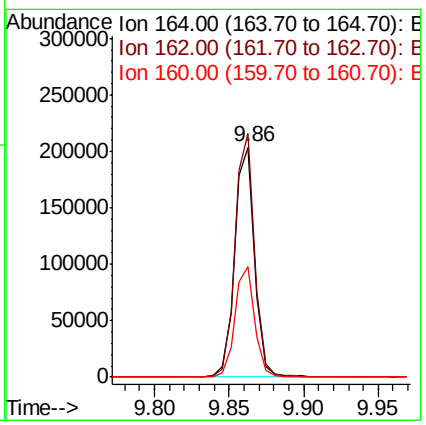
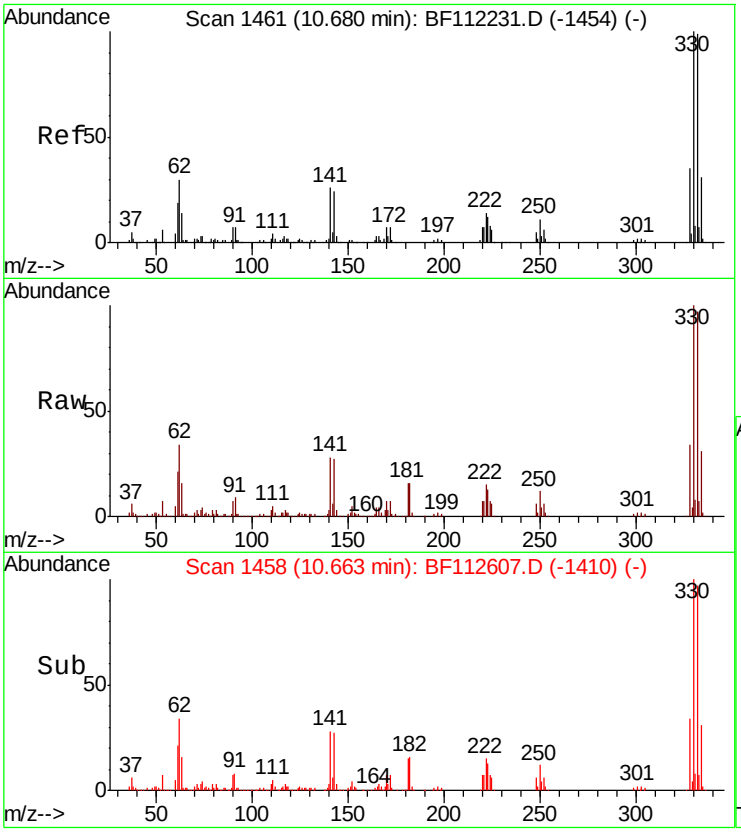


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:164 Resp: 189708

Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.2	123.4
160	47.9	36.2	54.4

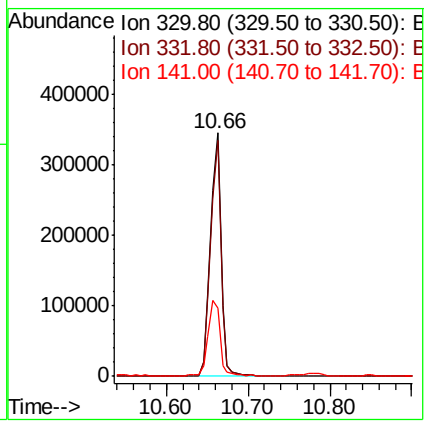




#42
2,4,6-Tribromophenol
Concen: 142.836 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:330 Resp: 315404

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	35.1	24.3	36.5



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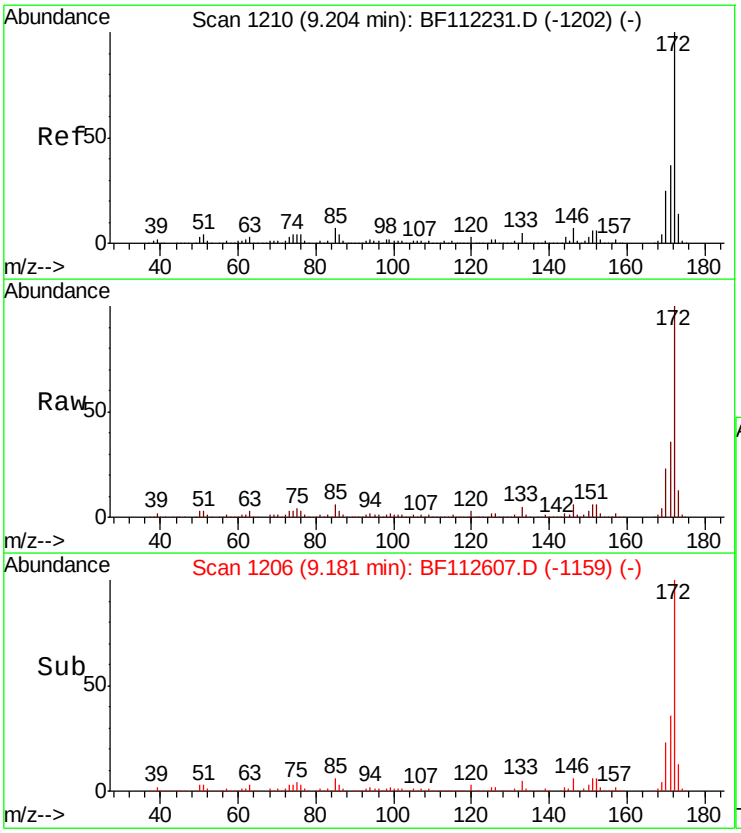
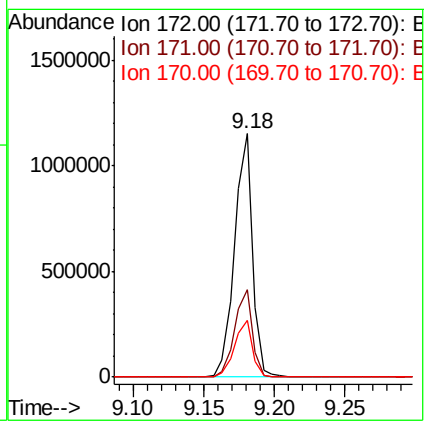
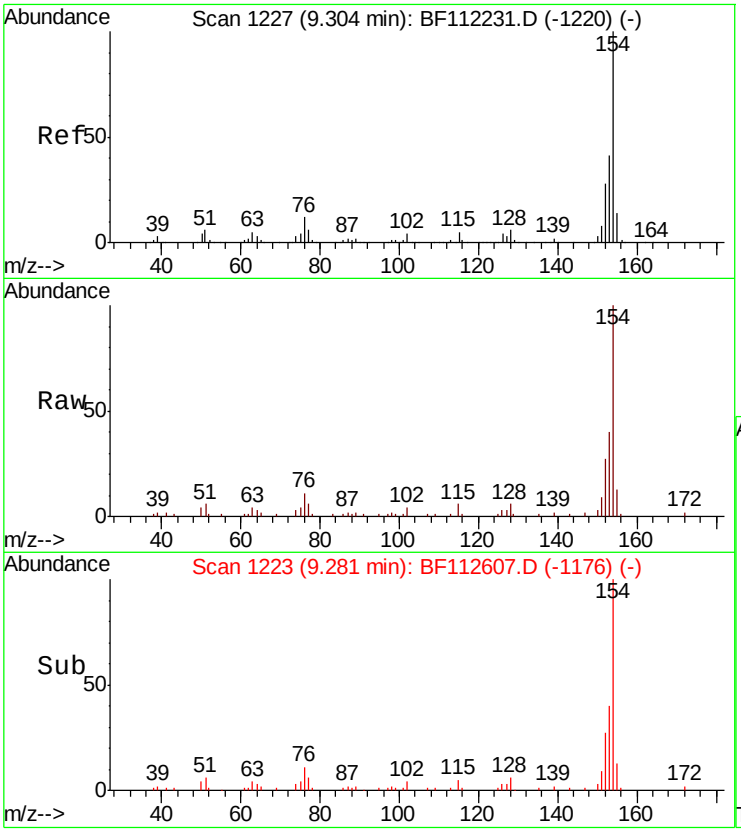


#45
2-Fluorobiphenyl
Concen: 76.141 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:172 Resp: 1021289

Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.5	45.7
170	23.4	20.2	30.4

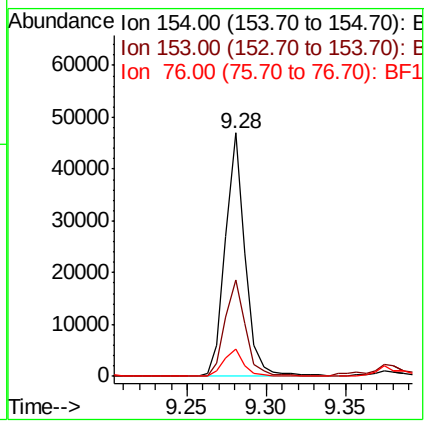




#46
1,1'-Biphenyl
Concen: 2.457 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:154 Resp: 40746

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.5	61.5
76	11.0	0.0	33.1



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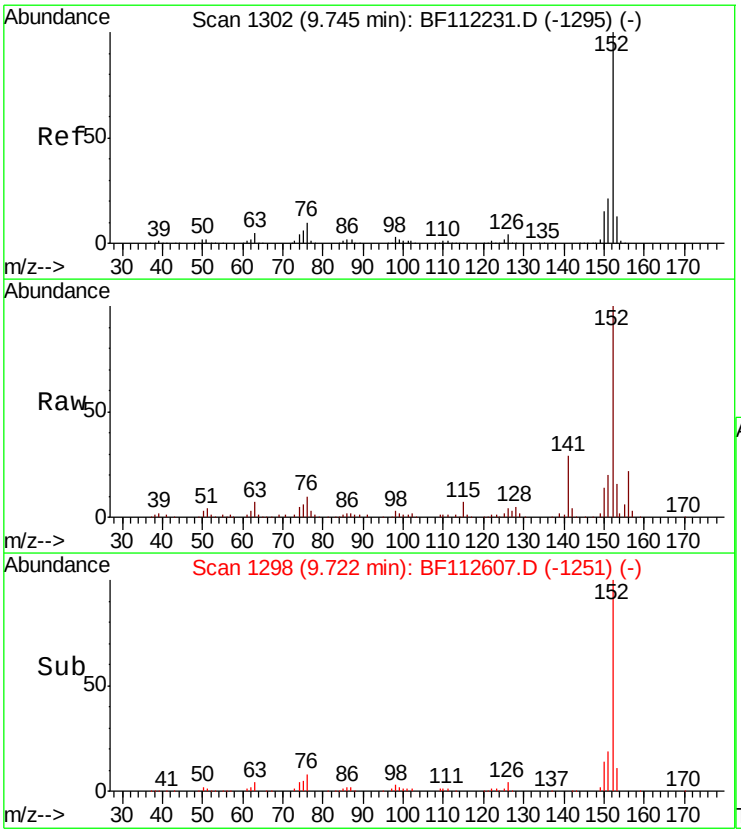
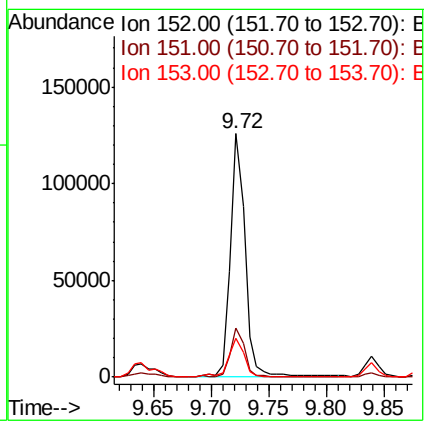
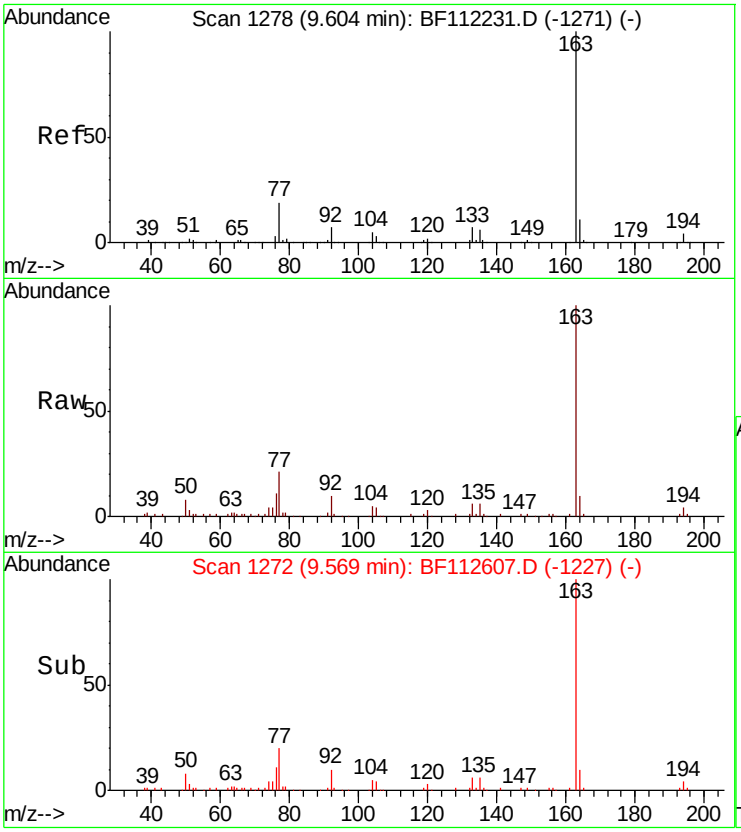


#49
Acenaphthylene
Concen: 5.932 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:152 Resp: 111820

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.0	25.6
153	15.8	11.2	16.8

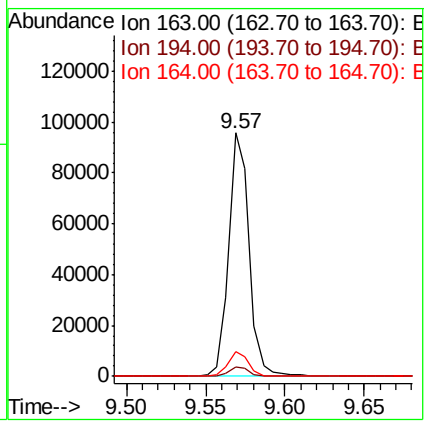




#50
Dimethylphthalate
Concen: 5.778 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:163 Resp: 85171

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.1	8.5	12.7



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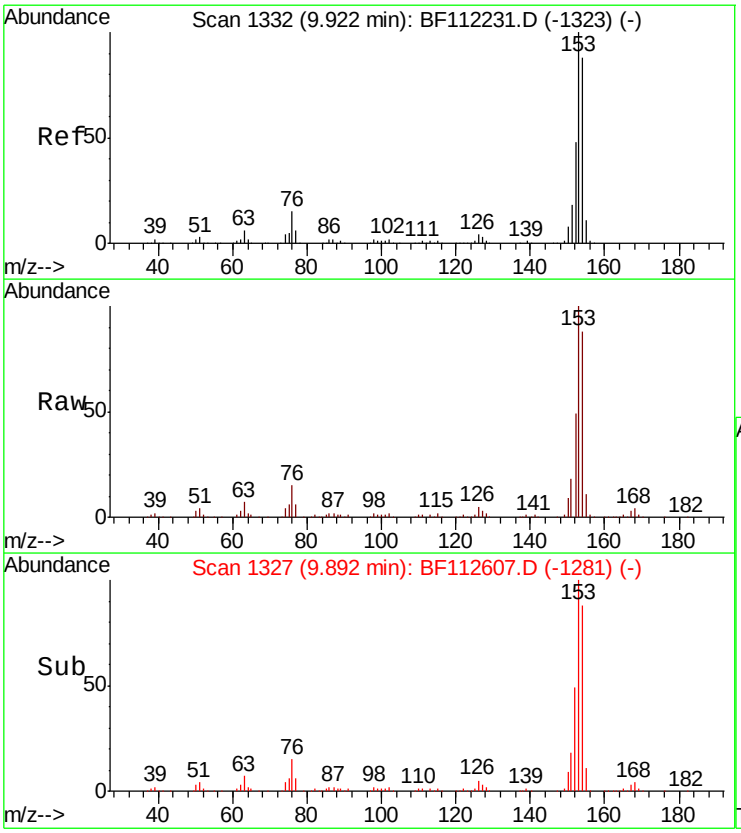
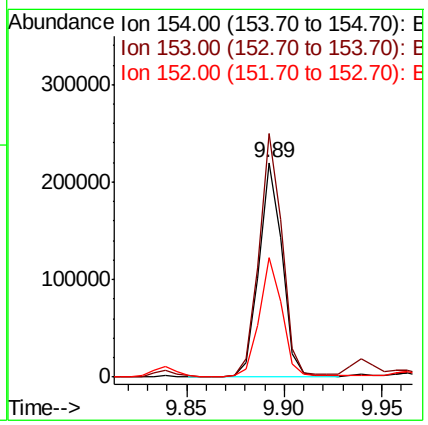
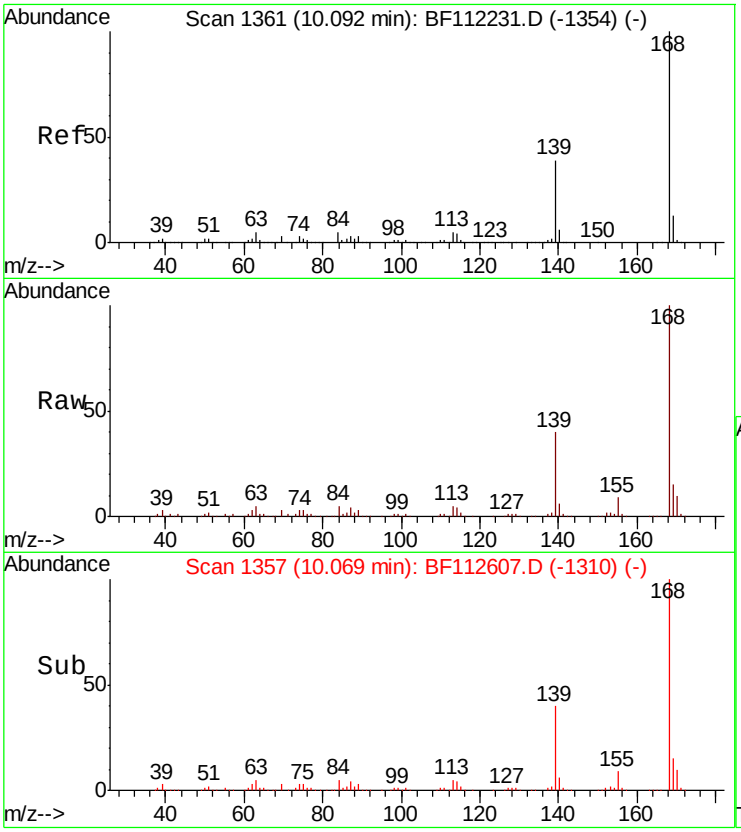


#52
Acenaphthene
Concen: 16.039 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:154 Resp: 180616

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.8	134.6
152	55.7	43.5	65.3

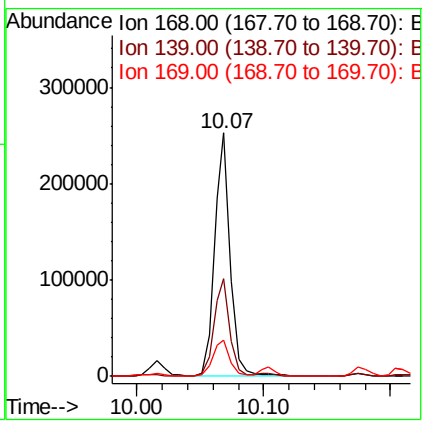




#55
Dibenzofuran
Concen: 12.691 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:168 Resp: 218393

Ion	Ratio	Lower	Upper
168	100		
139	40.1	29.2	43.8
169	15.1	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
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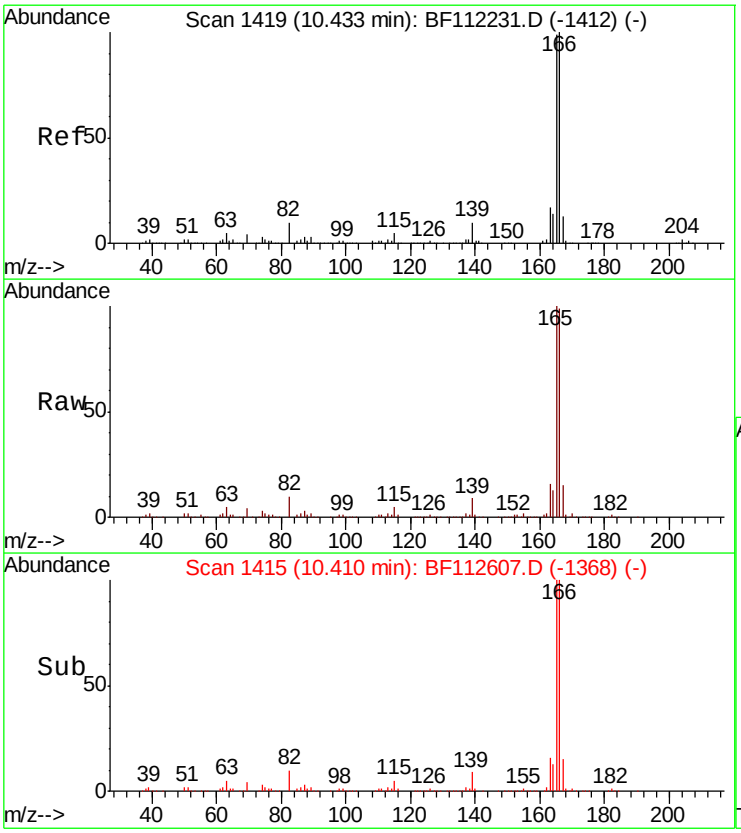
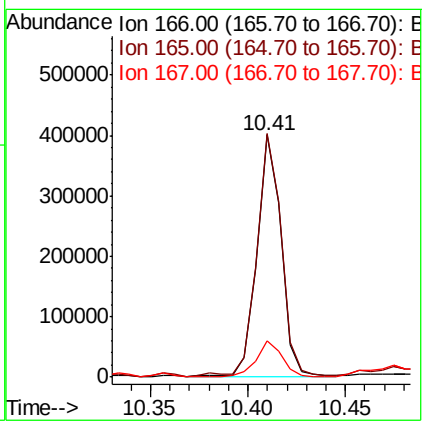
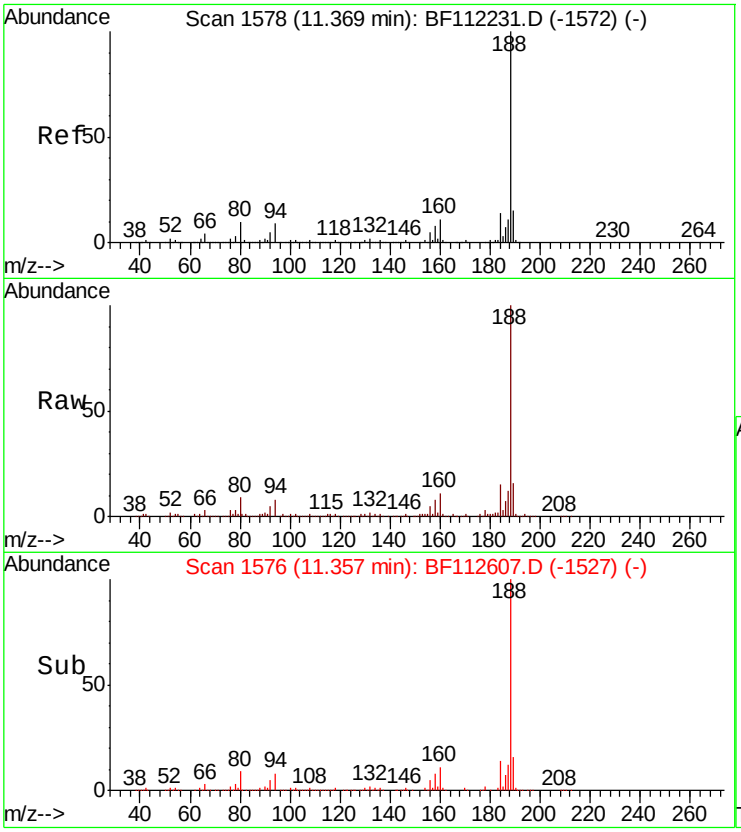


#58
Fluorene
Concen: 26.655 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:166 Resp: 343248

Ion	Ratio	Lower	Upper
166	100		
165	100.6	77.1	115.7
167	14.8	11.3	16.9

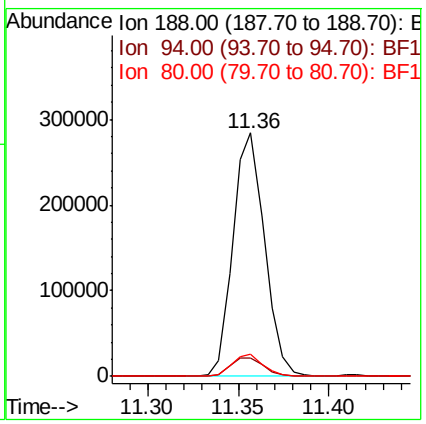




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:188 Resp: 344336

Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.2	12.2#
80	9.0	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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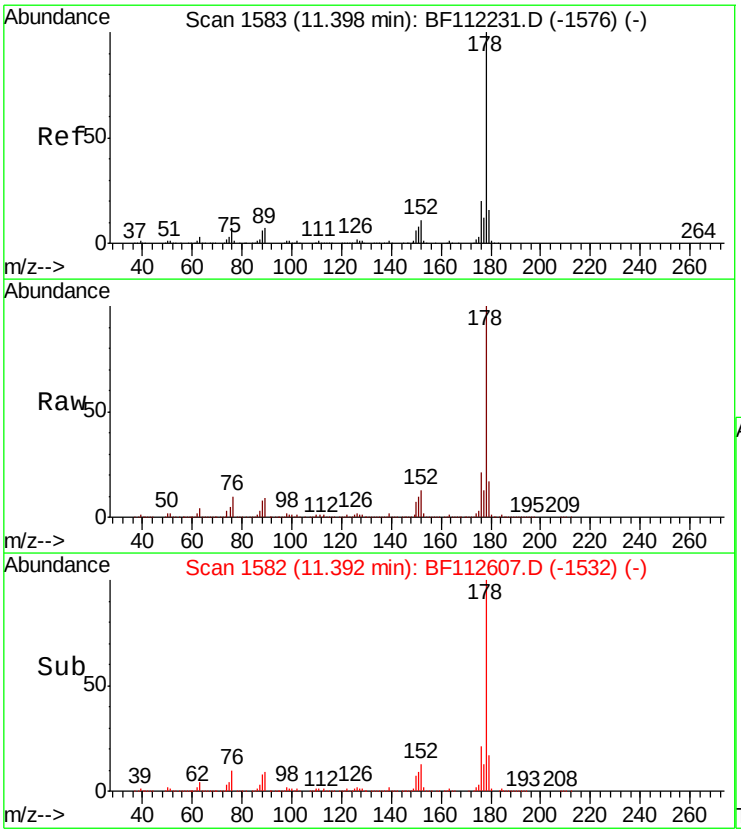
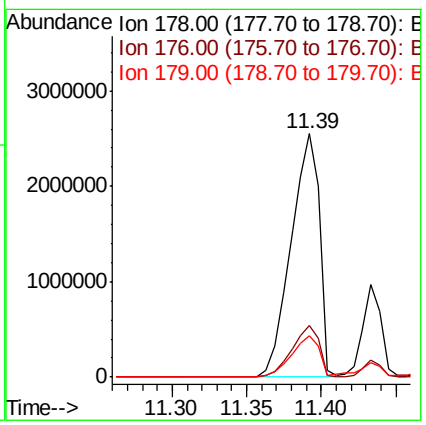
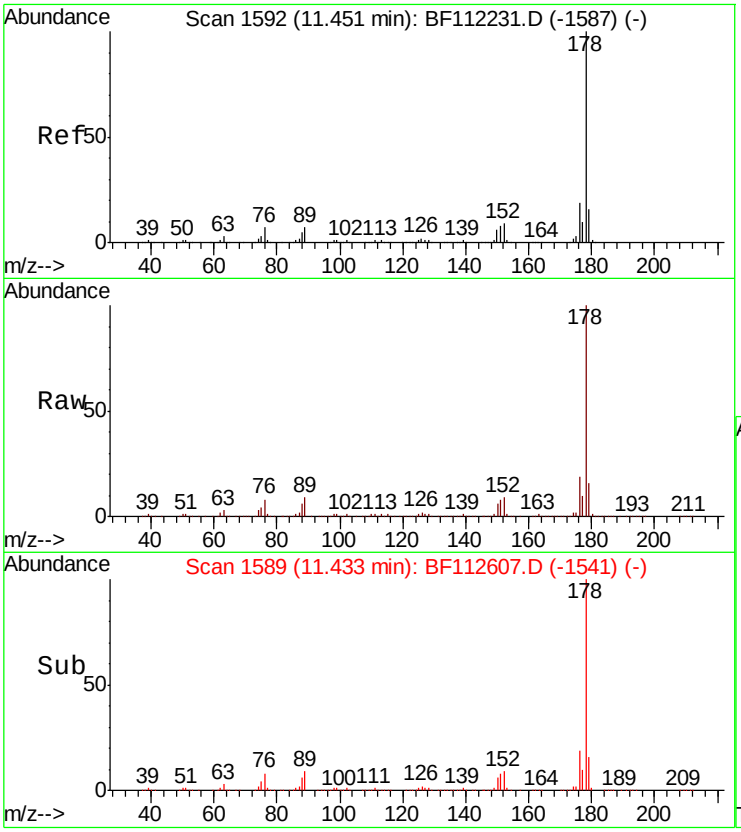


#71
Phenanthrene
Concen: 188.380 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:178 Resp: 3372302

Ion	Ratio	Lower	Upper
178	100		
176	21.4	16.3	24.5
179	17.0	13.0	19.4

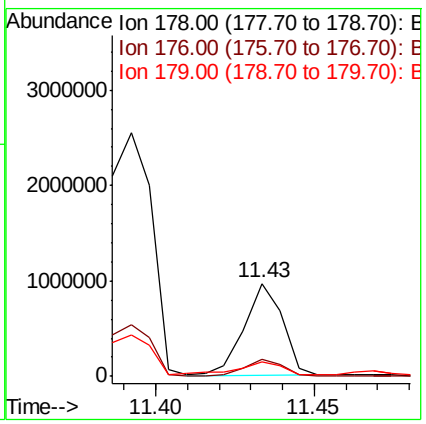




#72
Anthracene
Concen: 45.216 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:178 Resp: 806294

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.8	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
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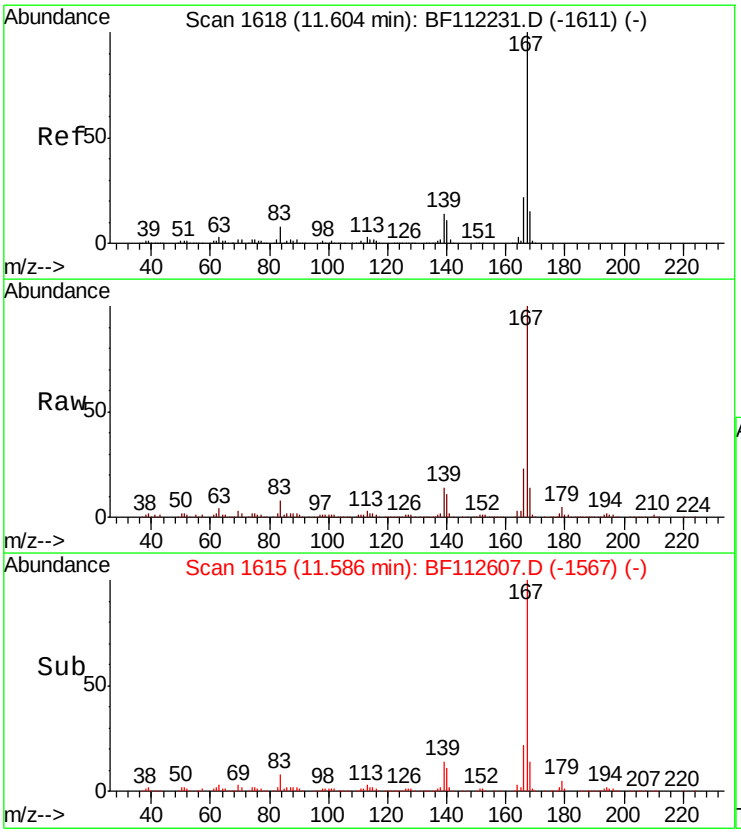
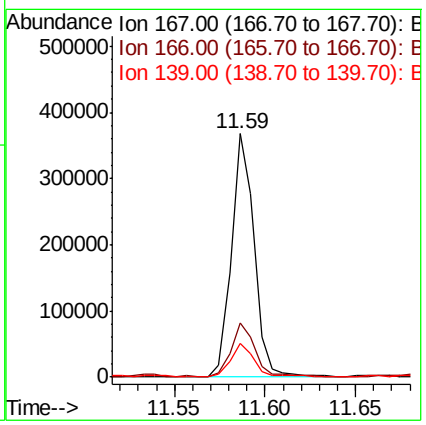
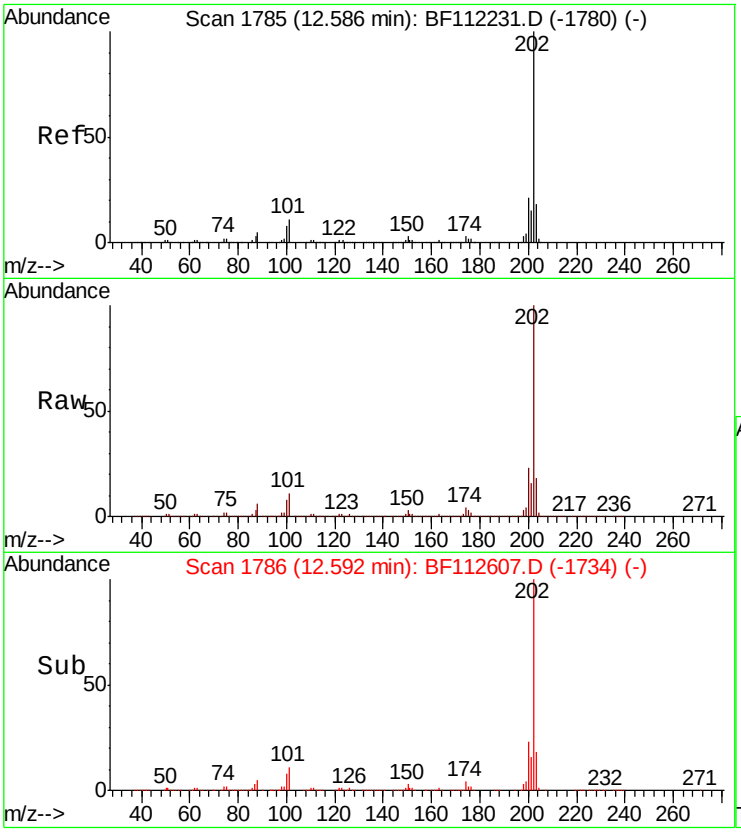


#73
Carbazole
Concen: 18.119 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:167 Resp: 318710

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	14.0	10.2	15.2

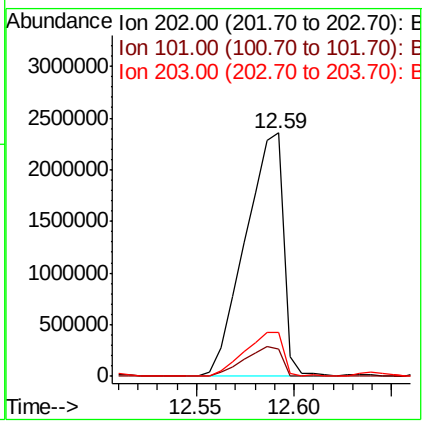




#75
Fluoranthene
Concen: 166.305 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:202 Resp: 3193133

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.8
203	18.1	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
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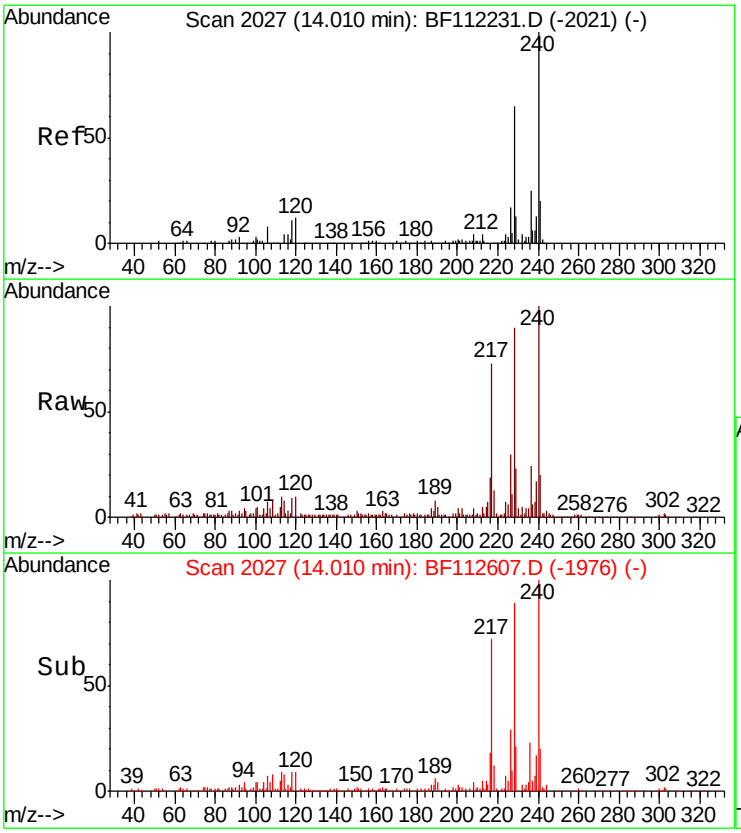
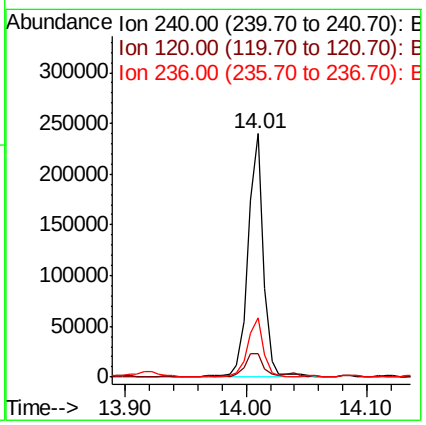
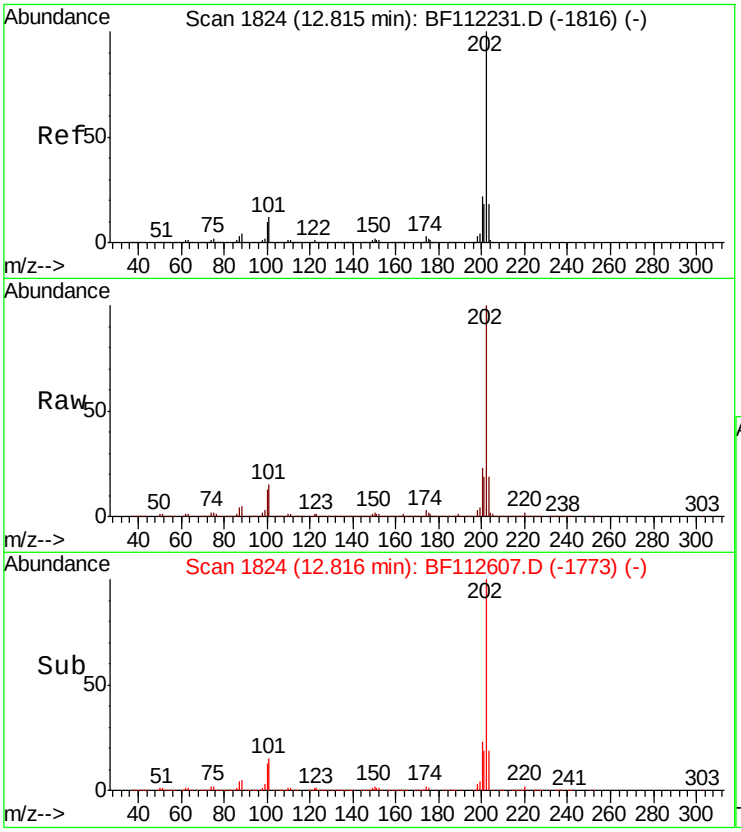


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:240 Resp: 209198

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.0	13.6
236	24.3	20.7	31.1

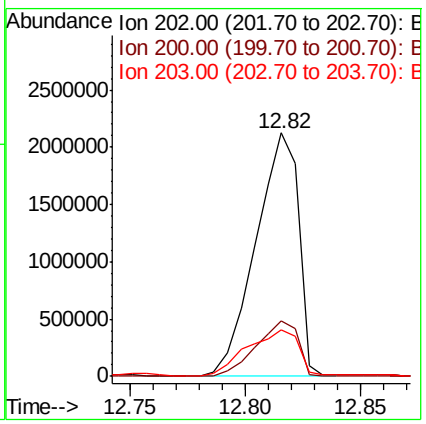




#78
Pyrene
Concen: 187.805 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:202 Resp: 2720112

Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.7	26.5
203	19.4	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

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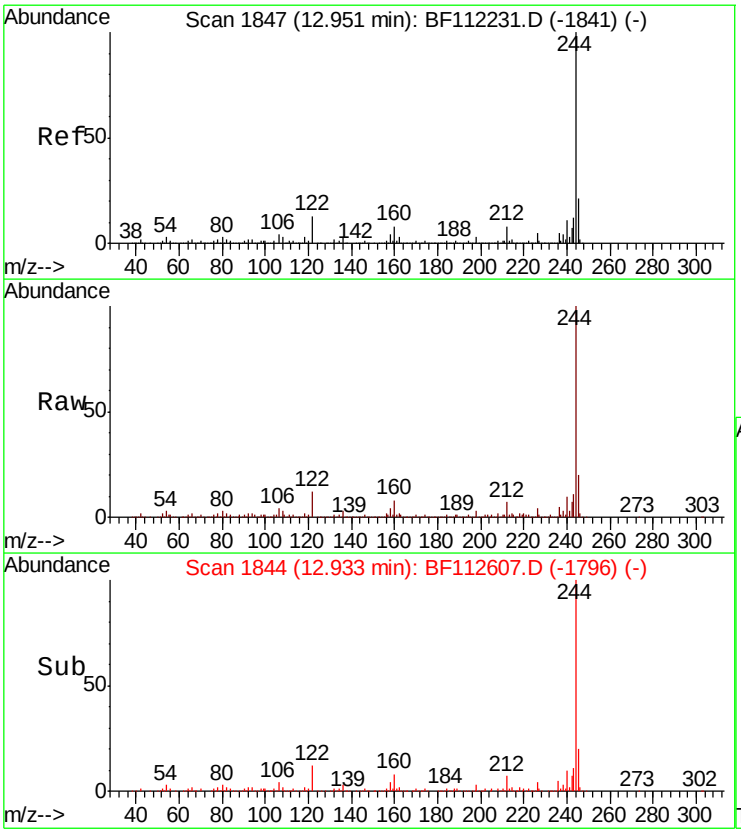
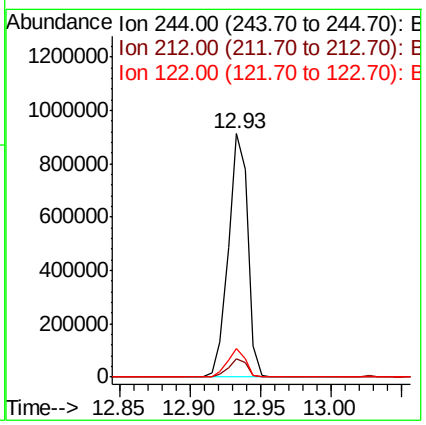
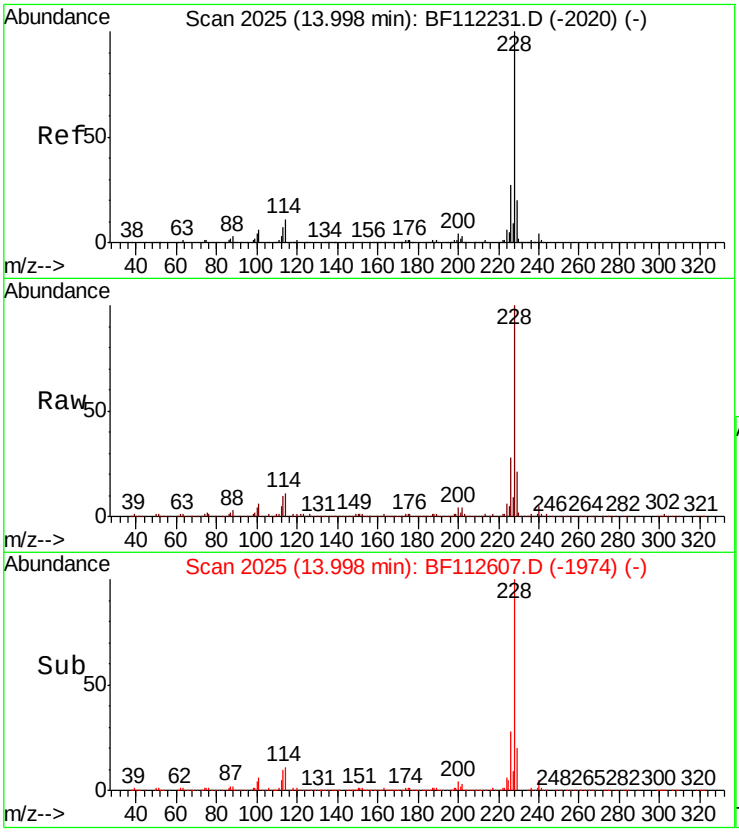


#79
Terphenyl-d14
Concen: 78.157 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:244 Resp: 868102

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	12.0	9.8	14.6

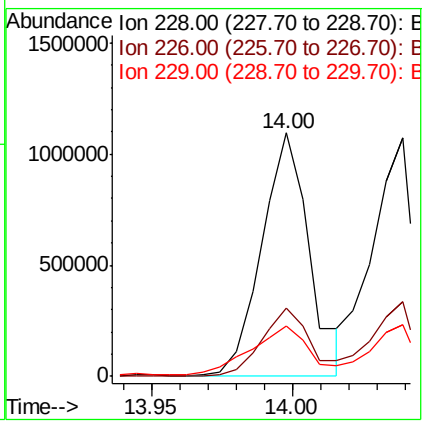




#81
Benzo(a)anthracene
Concen: 103.451 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:228 Resp: 1272216

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	20.8	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

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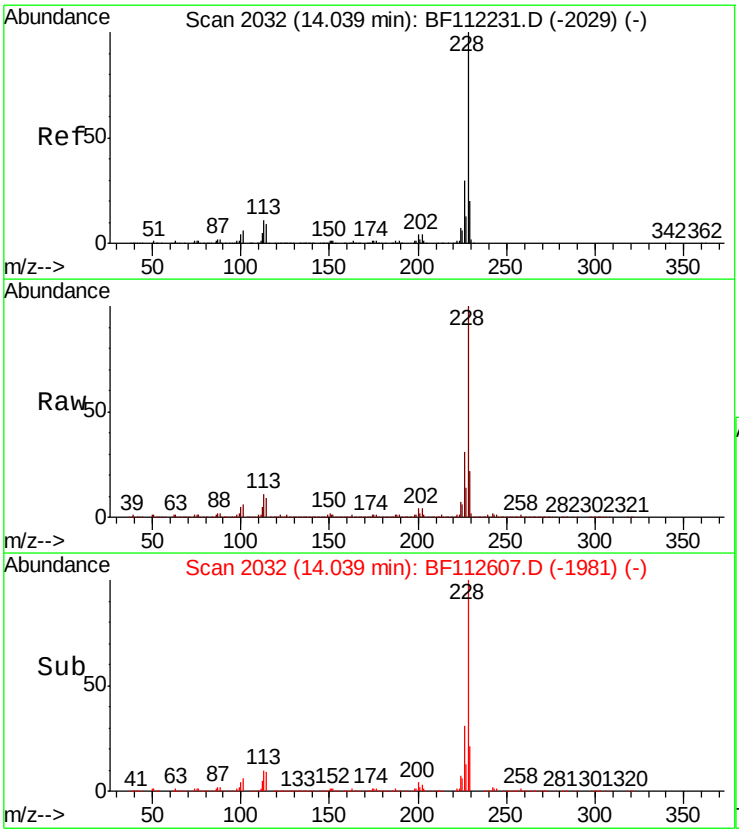
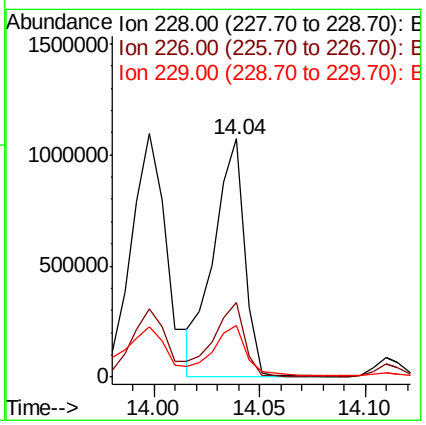
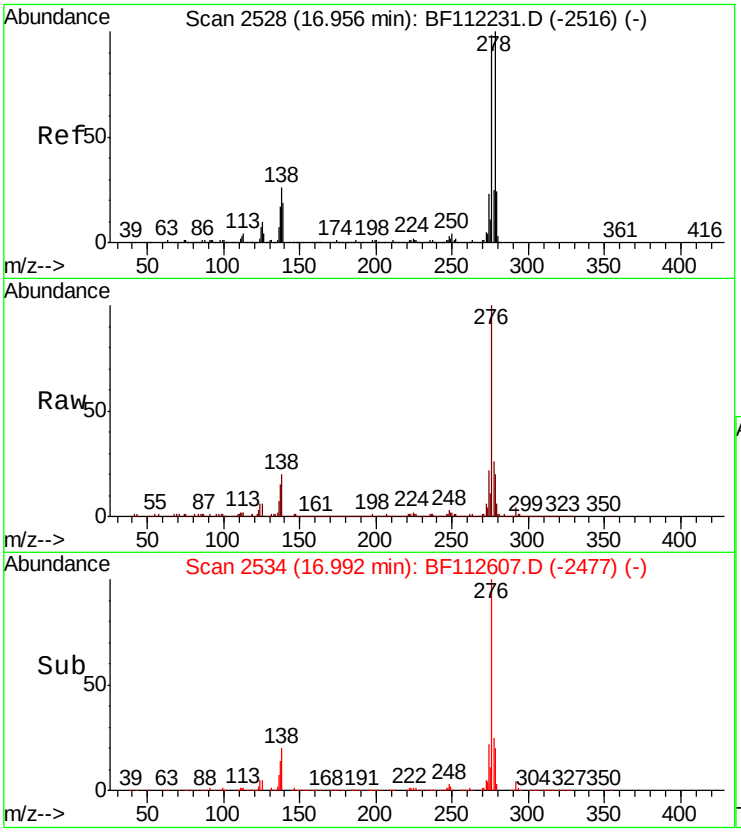


#83
Chrysene
Concen: 92.406 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:228 Resp: 1084738

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.7	16.6	24.8





#86
Indeno(1,2,3-cd)pyrene
Concen: 64.063 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.04 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:276 Resp: 595894

Ion	Ratio	Lower	Upper
276	100		
138	21.6	22.6	34.0#
277	25.1	20.3	30.5

Instrument :
BNA_F
ClientSampleId :
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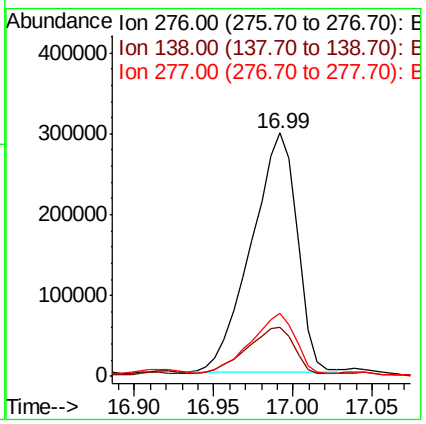
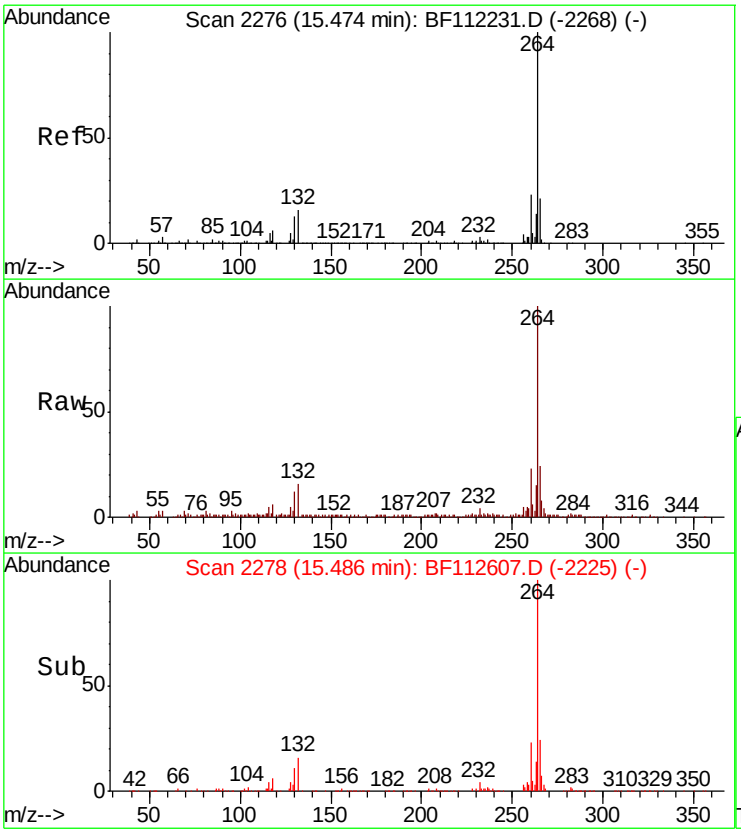
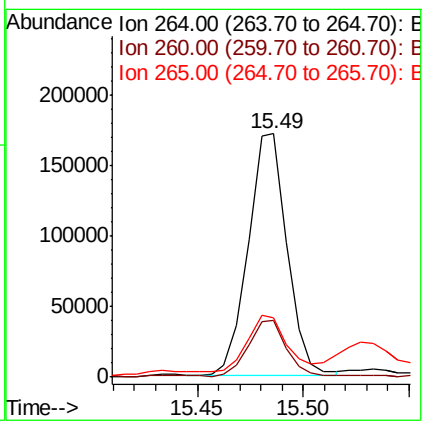


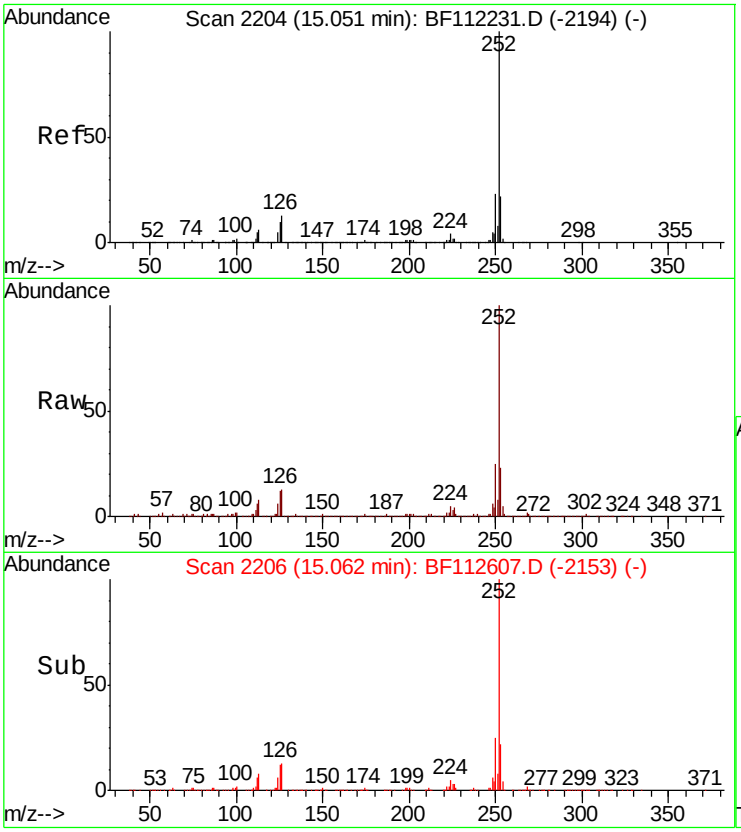


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:264 Resp: 218374

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	24.1	17.0	25.4

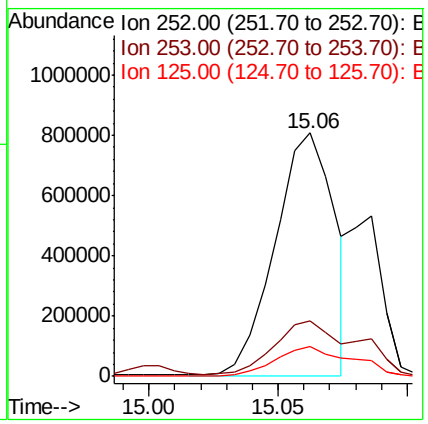




#88
Benzo(b)fluoranthene
Concen: 99.874 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:252 Resp: 1304341

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.0	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
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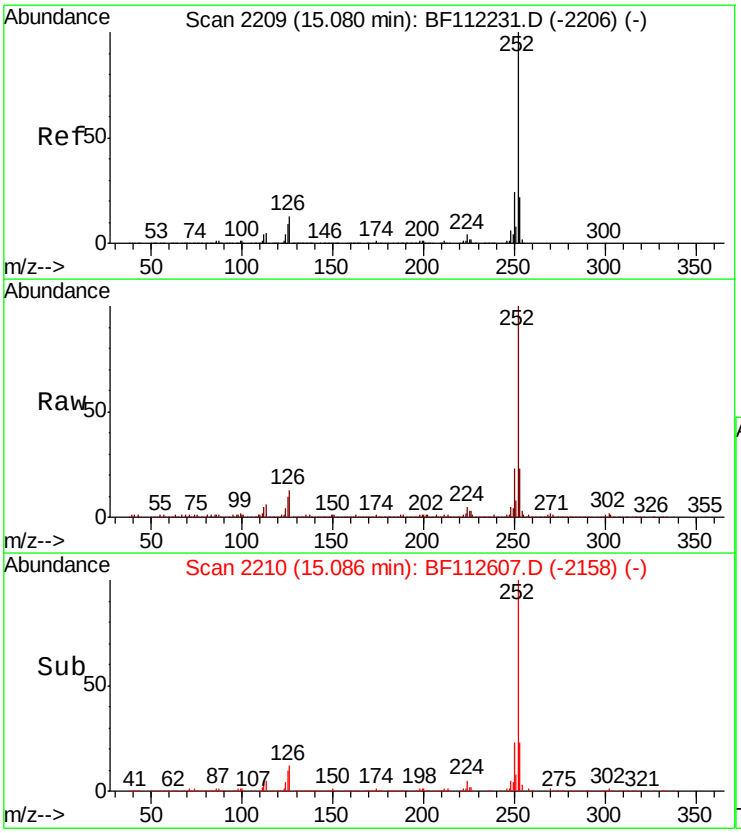
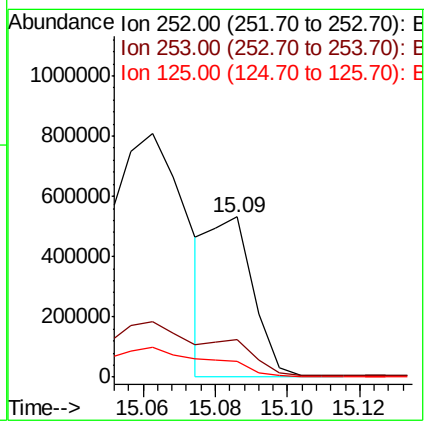
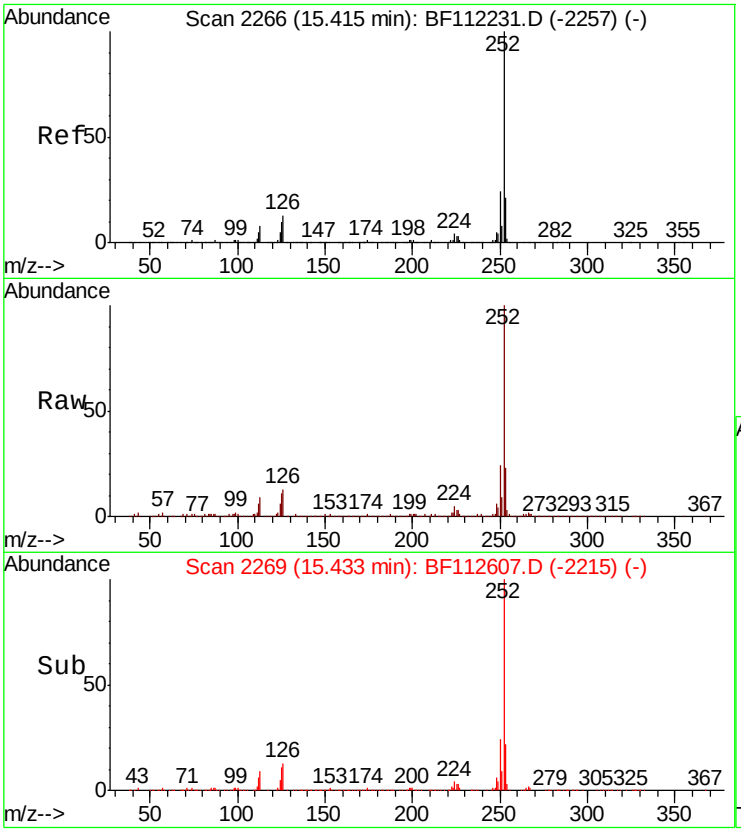


#89
Benzo(k)fluoranthene
Concen: 36.315 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:252 Resp: 454282

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	9.8	9.1	13.7

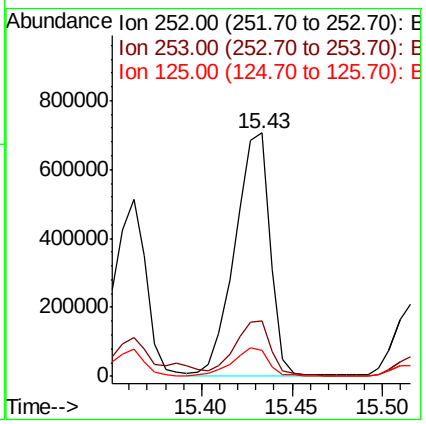




#90
Benzo(a)pyrene
Concen: 80.559 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:252 Resp: 946652

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.9	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
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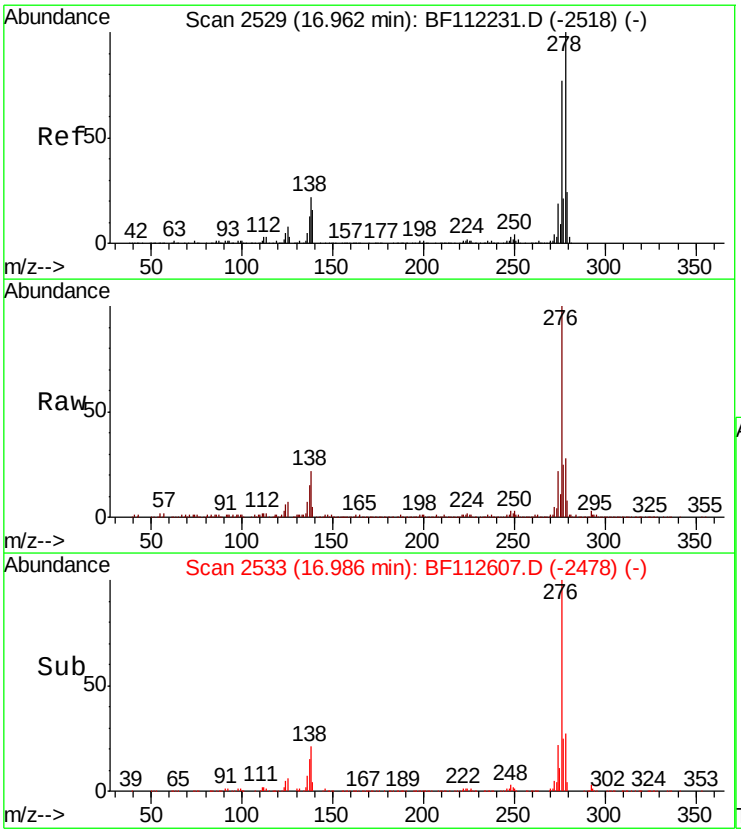
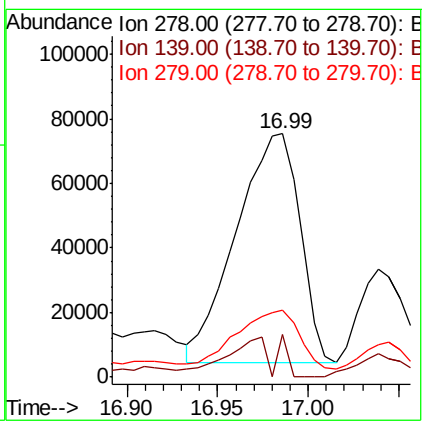
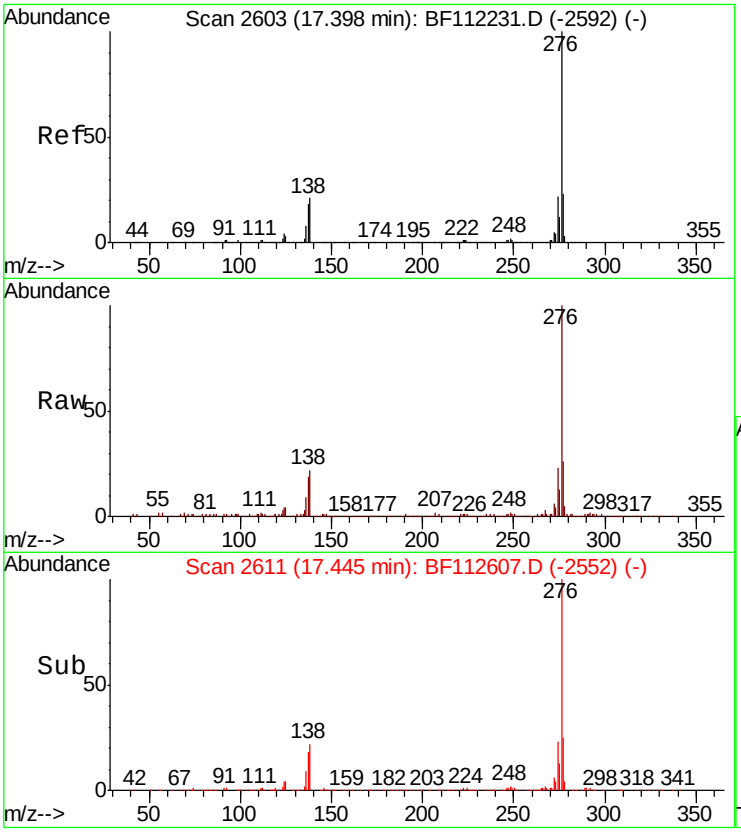


#91
Dibenzo(a,h)anthracene
Concen: 18.269 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:278 Resp: 173022

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.7	20.5
279	27.7	19.0	28.6

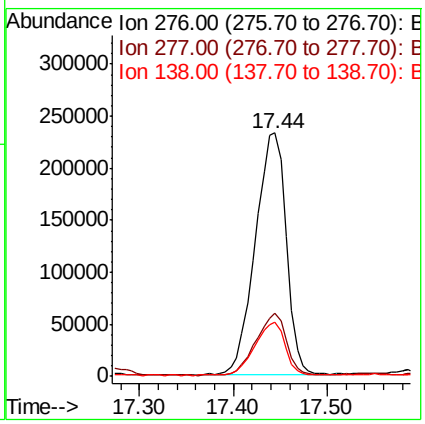




#92
Benzo(g,h,i)perylene
Concen: 59.720 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.05 min
Lab File: BF112607.D
Acq: 18 Feb 2019 18:06

Tgt Ion:276 Resp: 533606

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	22.4	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
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