Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111725.D
Acq On : 26 Dec 2018 20:36
Operator : JU/SJ
Sample : J6520-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

Manual Integrations APPROVED
Sohil
12/27/2018 8:22:30 AM

Quant Time: Dec 27 02:49:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	201125	20.00	ng		0.00
21) Naphthalene-d8	8.18	136	747076	20.00	ng		0.00
39) Acenaphthene-d10	9.93	164	352528	20.00	ng		0.00
64) Phenanthrene-d10	11.42	188	589913	20.00	ng		0.00
76) Chrysene-d12	14.06	240	502405	20.00	ng		0.01
87) Perylene-d12	15.54	264	411247	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	1023055	86.70	ng		0.02
7) Phenol-d6	6.54	99	1330478	88.60	ng		0.02
23) Nitrobenzene-d5	7.46	82	851316	66.33	ng		0.00
42) 2,4,6-Tribromophenol	10.72	330	344414	82.68	ng		0.00
45) 2-Fluorobiphenyl	9.26	172	1281926	53.00	ng		0.00
79) Terphenyl-d14	13.00	244	1069681	40.38	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.55	94	109580	6.467	ng		91
50) Dimethylphthalate	9.65	163	212723	8.252	ng		97
52) Acenaphthene	9.97	154	104884	4.940	ng		99
55) Dibenzofuran	10.14	168	75779	2.362	ng		93
58) Fluorene	10.48	166	120494	5.213	ng		99
71) Phenanthrene	11.45	178	1478695	47.265	ng		95
72) Anthracene	11.50	178	381764	12.157	ng		95
73) Carbazole	11.65	167	151722	4.977	ng		94
75) Fluoranthene	12.64	202	2043404	64.500	ng		97
78) Pyrene	12.87	202	1786785	50.362	ng		98
81) Benzo(a)anthracene	14.05	228	922169	32.163	ng		100
83) Chrysene	14.09	228	771318	27.371	ng		98
86) Indeno(1,2,3-cd)pyrene	17.03	276	354891	14.814	ng	#	83
88) Benzo(b)fluoranthene	15.11	252	919663m	38.264	ng		
89) Benzo(k)fluoranthene	15.13	252	308998m	13.504	ng		
90) Benzo(a)pyrene	15.48	252	637750m	29.207	ng		
91) Dibenzo(a,h)anthracene	17.04	278	81996	4.288	ng	#	73
92) Benzo(g,h,i)perylene	17.49	276	321328	17.210	ng	#	87

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

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Manual Integrations APPROVED
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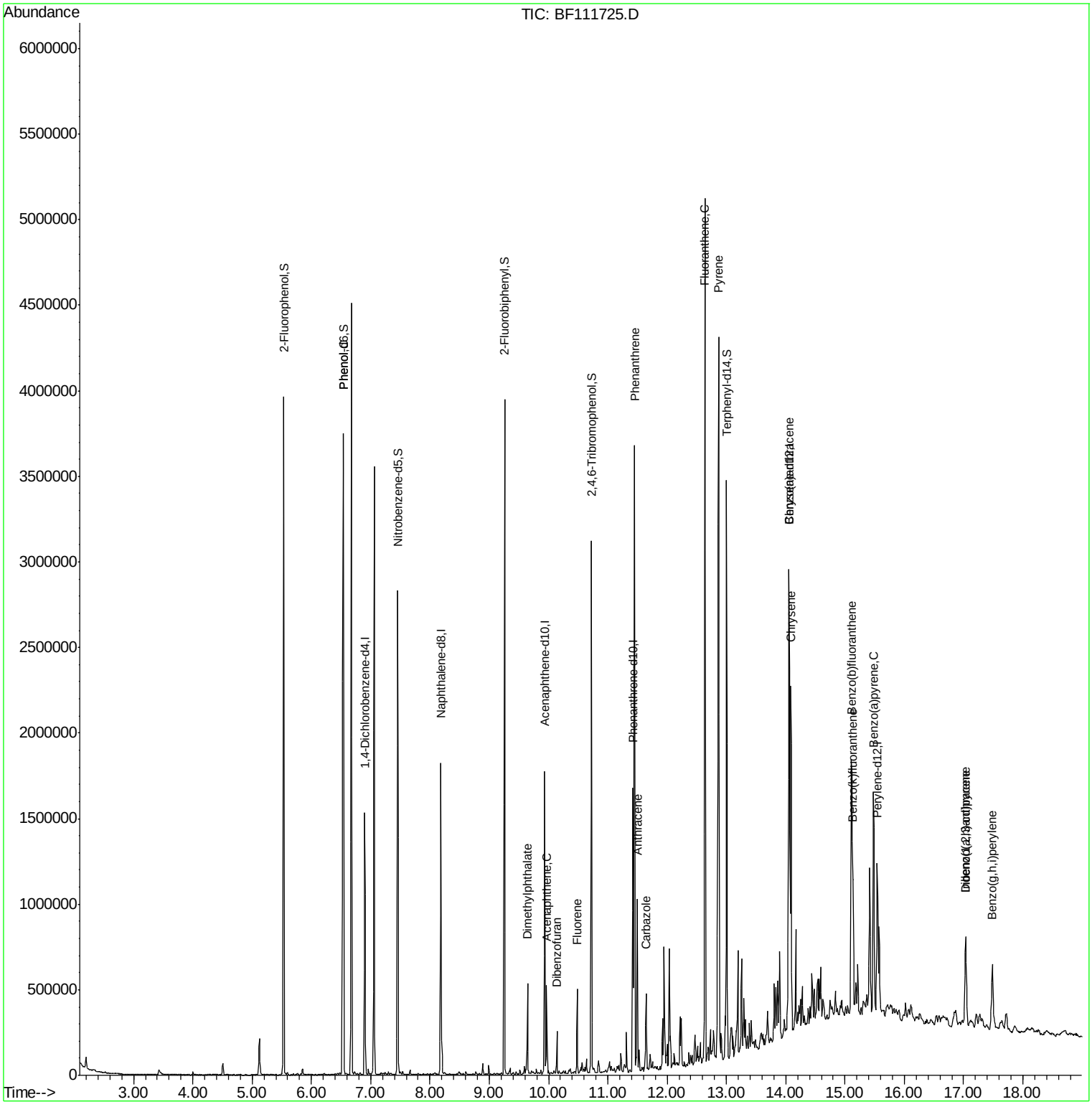
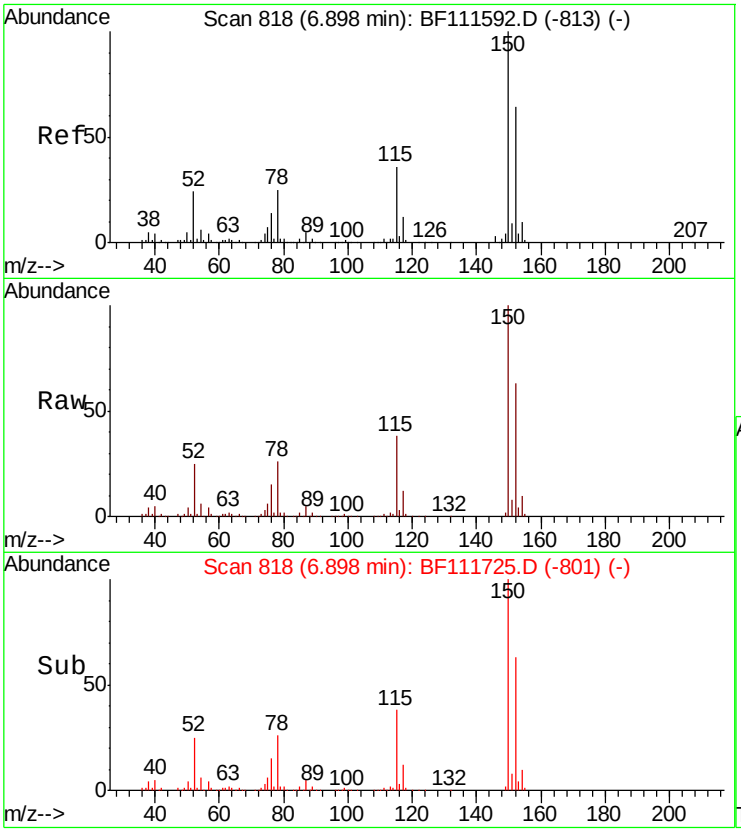
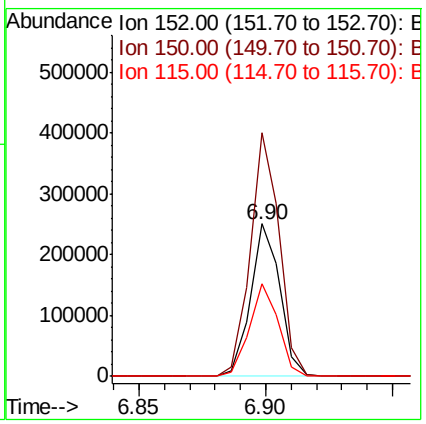




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:152 Resp: 201125

Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.6	189.8
115	60.3	50.7	76.1



Instrument :
BNA_F
ClientSampleId :
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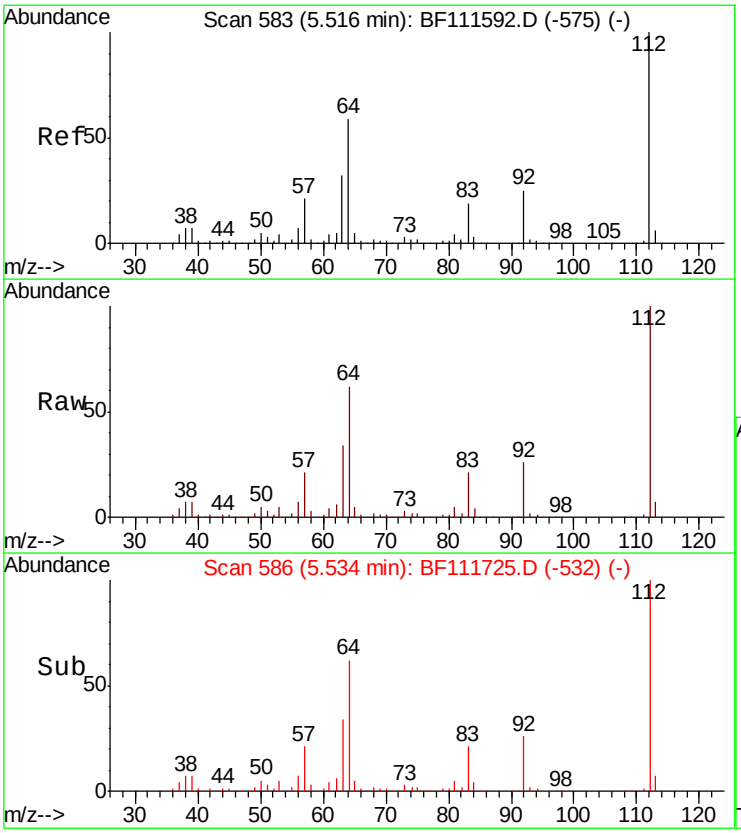
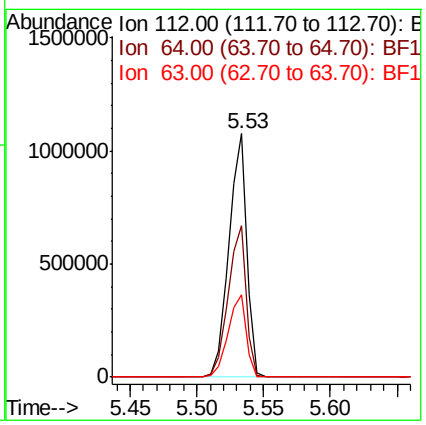
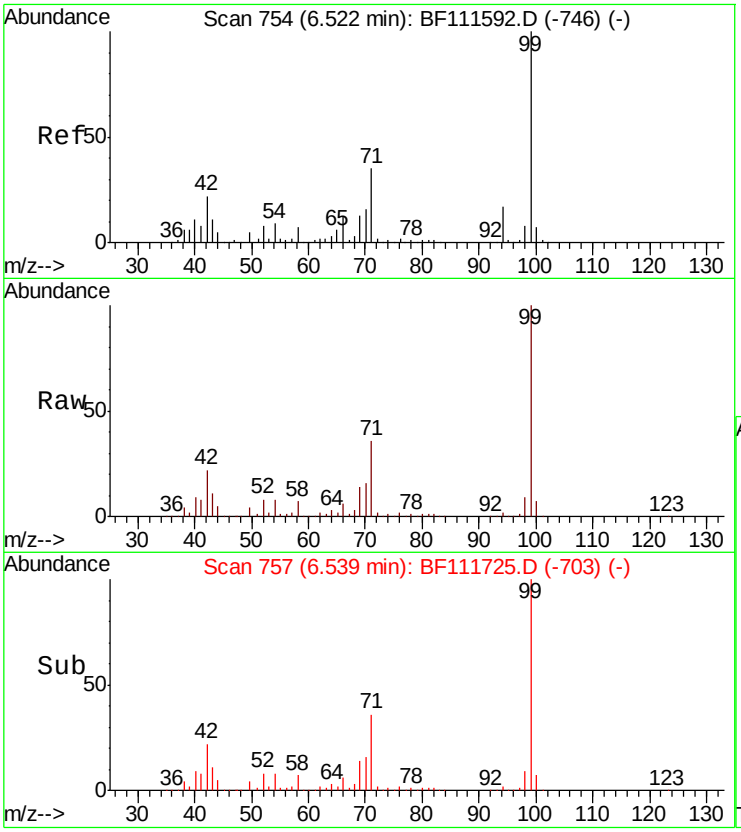


#5
2-Fluorophenol
Concen: 86.704 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:112 Resp: 1023055

Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.8	77.6
63	34.0	26.8	40.2

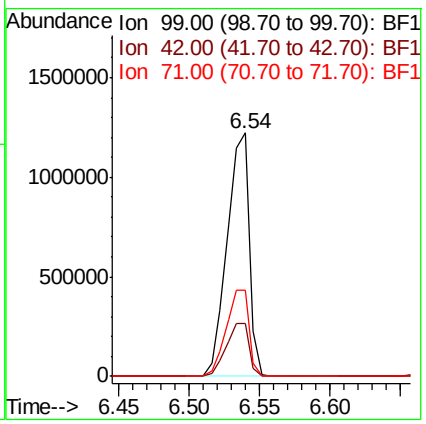




#7
Phenol-d6
Concen: 88.601 ng
RT: 6.54 min Scan# 757
Delta R.T. 0.02 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion: 99 Resp: 1330478

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.4	26.0
71	35.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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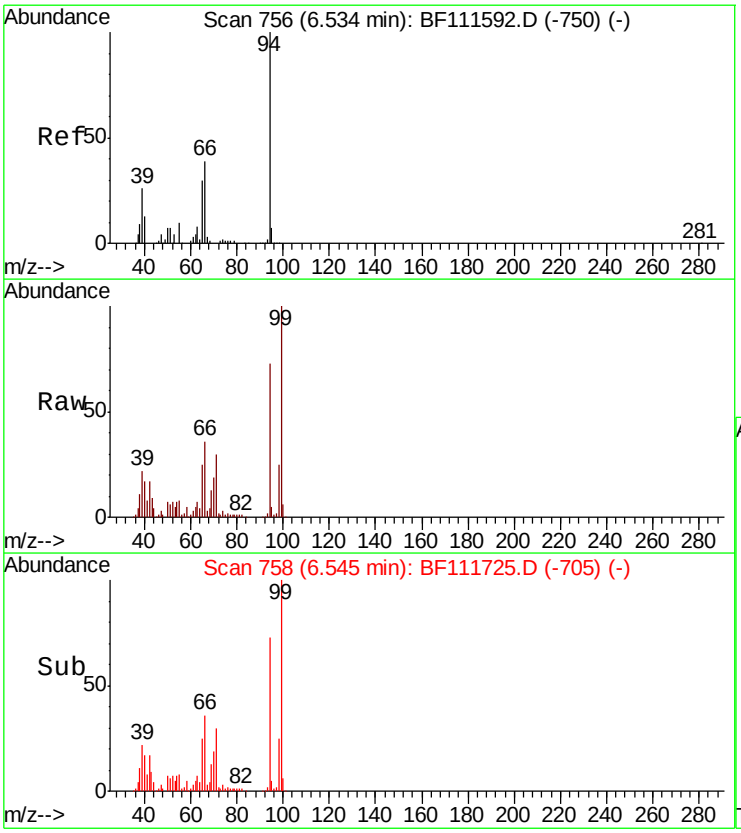
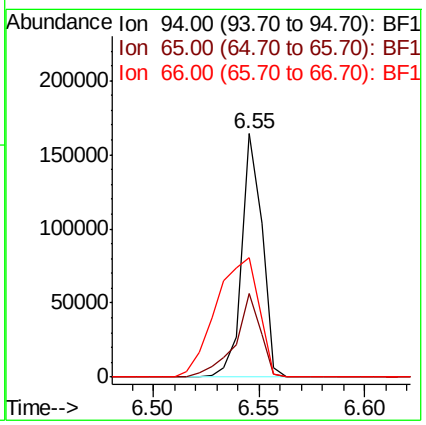
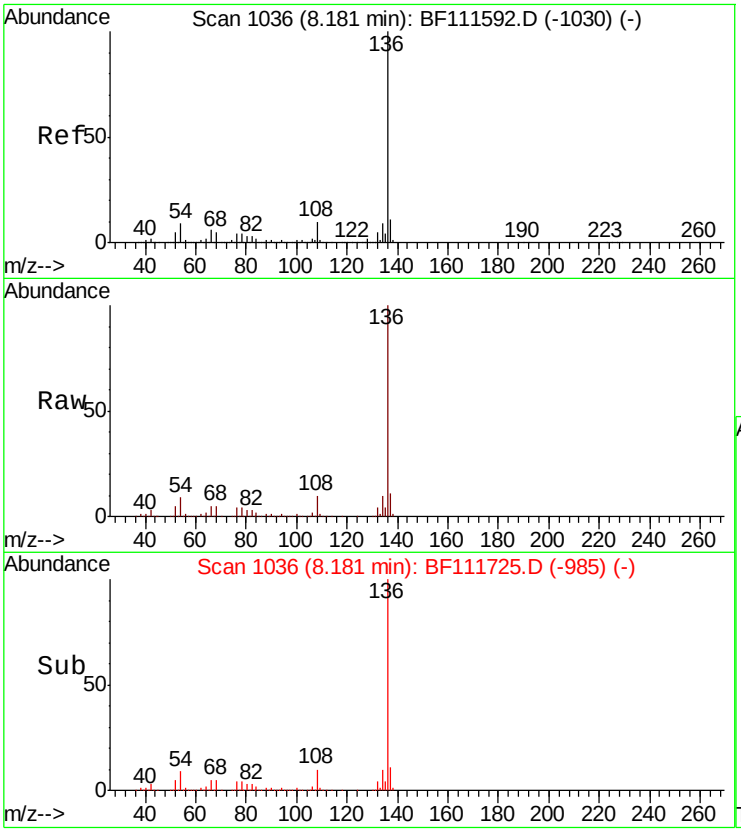


#10
Phenol
Concen: 6.467 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion: 94 Resp: 109580

Ion	Ratio	Lower	Upper
94	100		
65	34.1	11.7	51.7
66	49.1	21.0	61.0

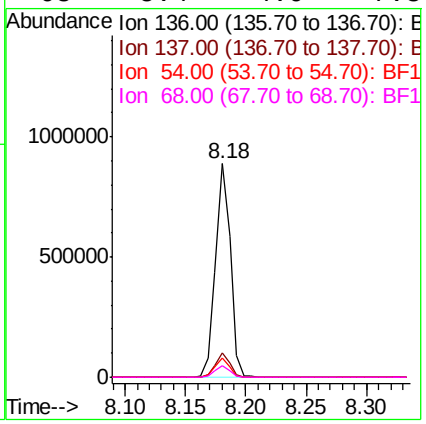




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:136 Resp: 747076

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.1	7.7	11.5
68	5.4	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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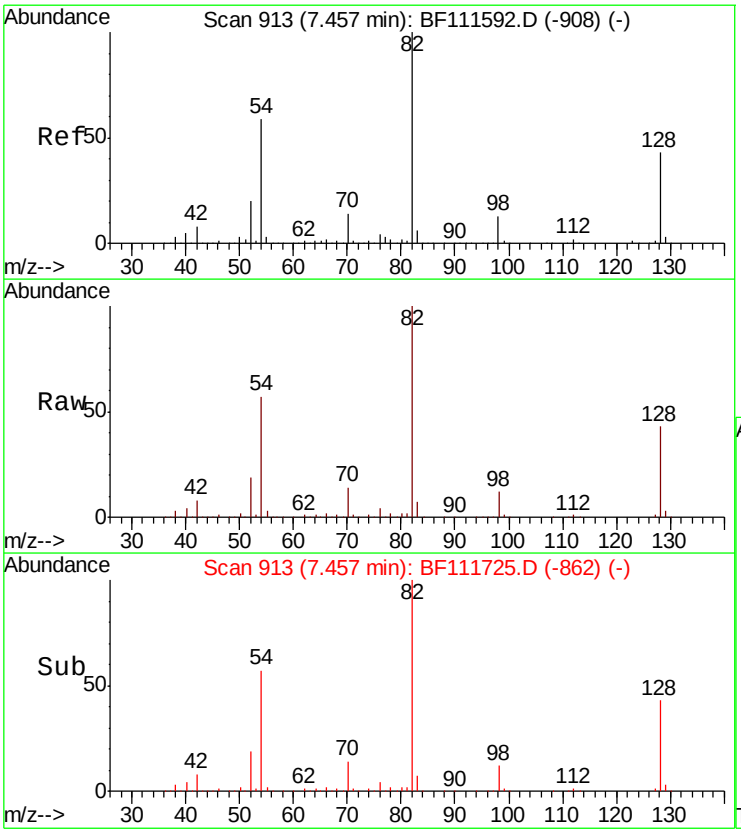
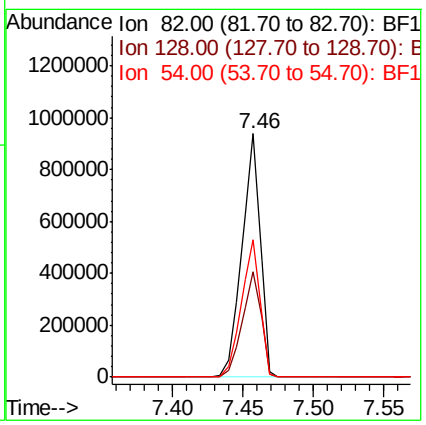
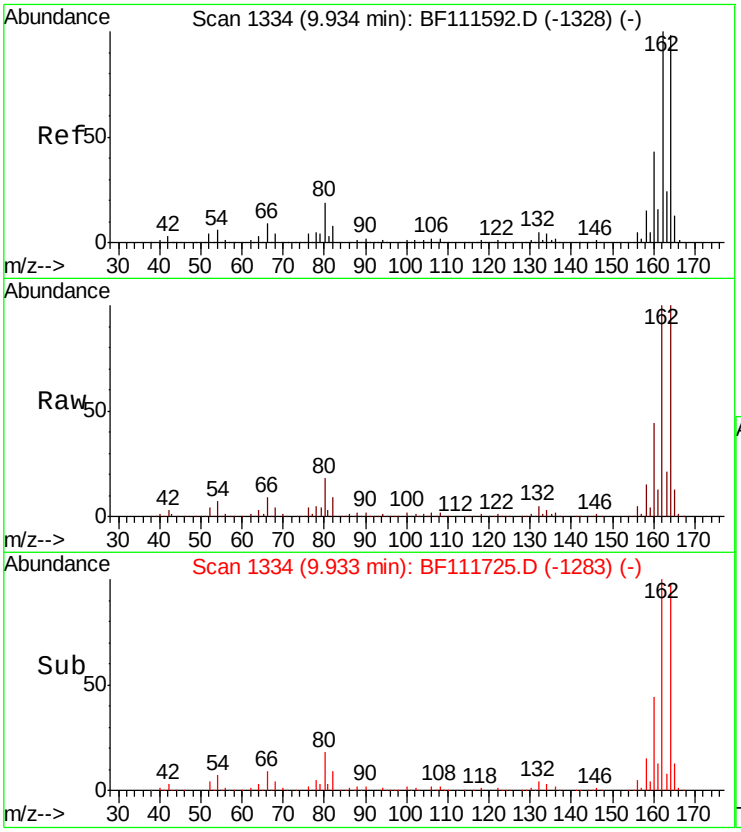


#23
Nitrobenzene-d5
Concen: 66.329 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion: 82 Resp: 851316

Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.4	56.2
54	56.5	47.6	71.4

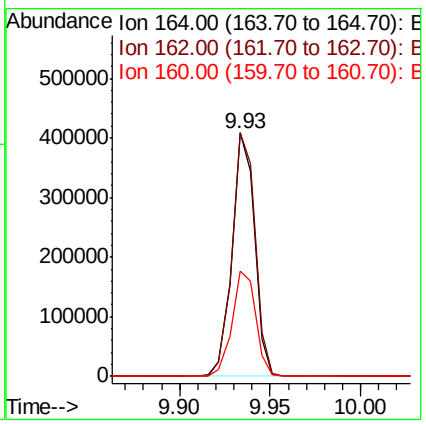




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:164 Resp: 352528

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.4	122.0
160	43.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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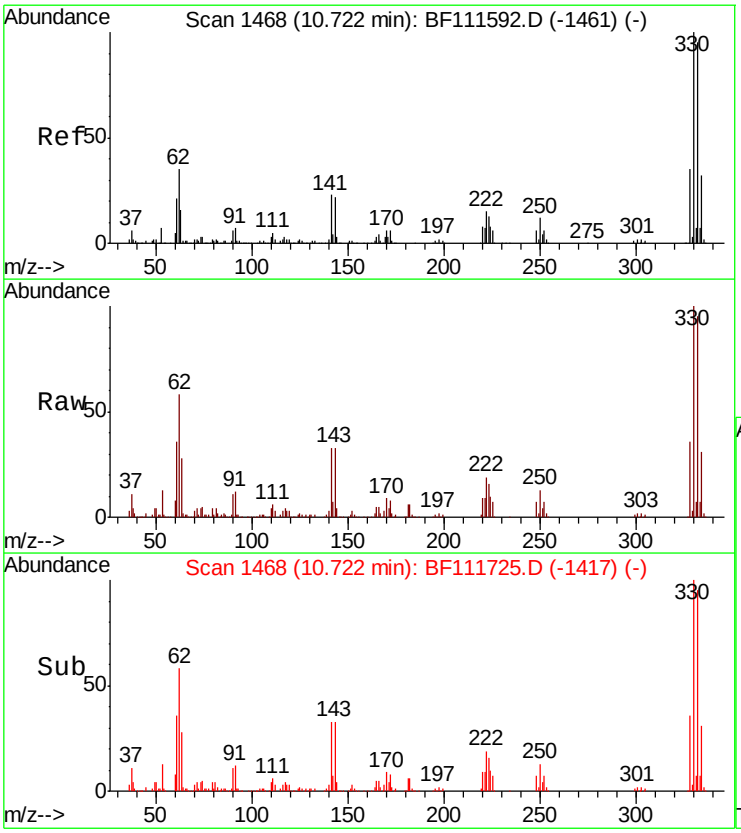
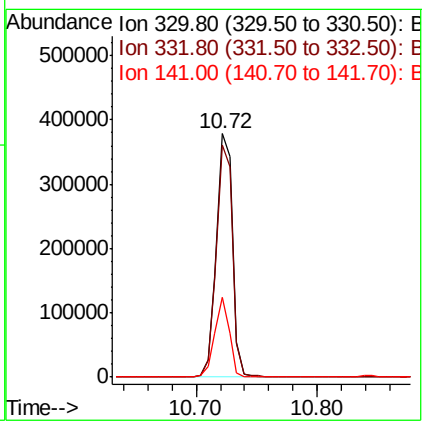
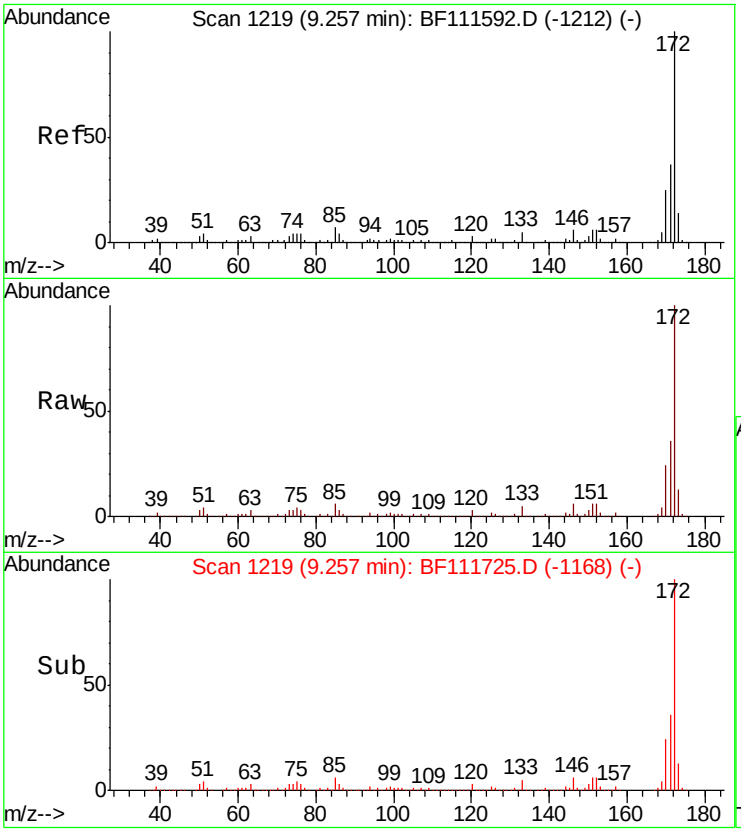


#42
2,4,6-Tribromophenol
Concen: 82.685 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:330 Resp: 344414

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.0	114.0
141	30.2	31.0	46.6#

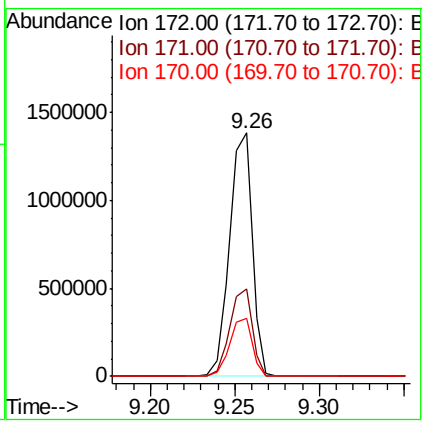




#45
2-Fluorobiphenyl
Concen: 53.003 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:172 Resp: 1281926

Ion	Ratio	Lower	Upper
172	100		
171	36.1	33.0	49.4
170	24.0	22.3	33.5



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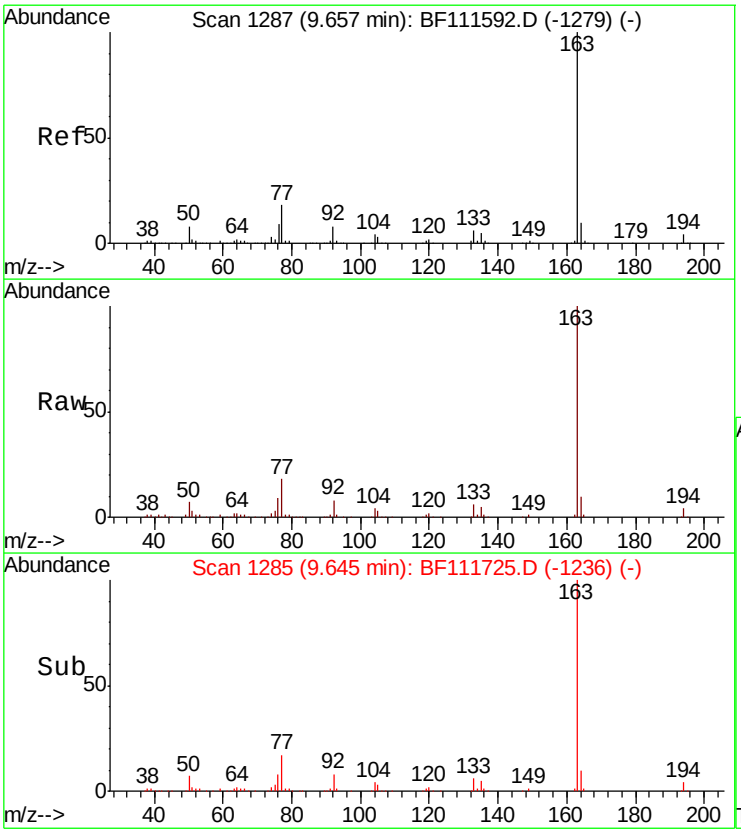
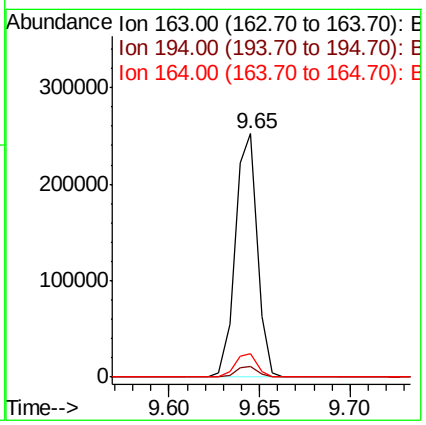
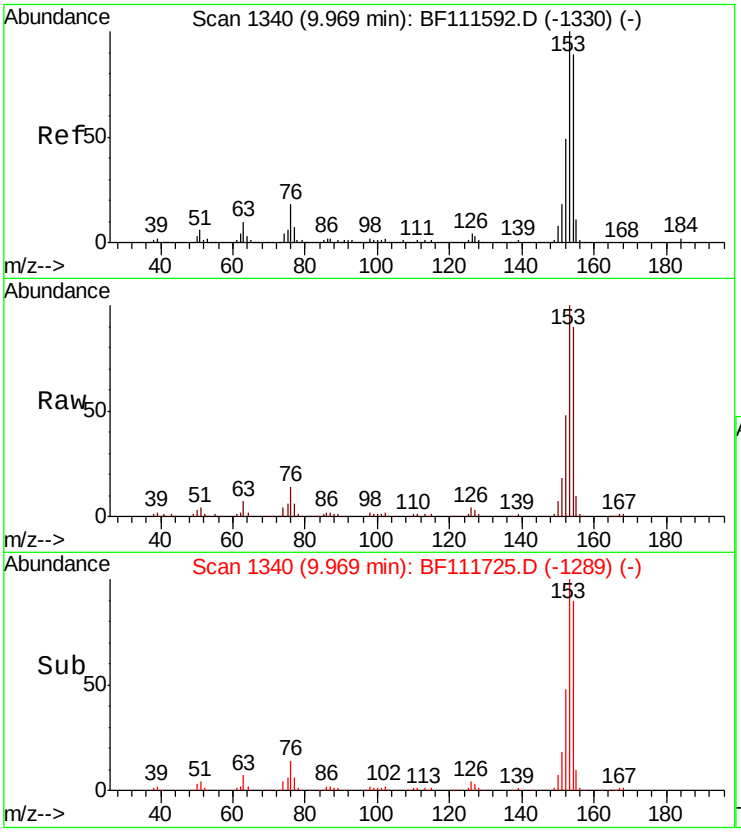


#50
Dimethylphthalate
Concen: 8.252 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:163 Resp: 212723

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	9.8	8.9	13.3

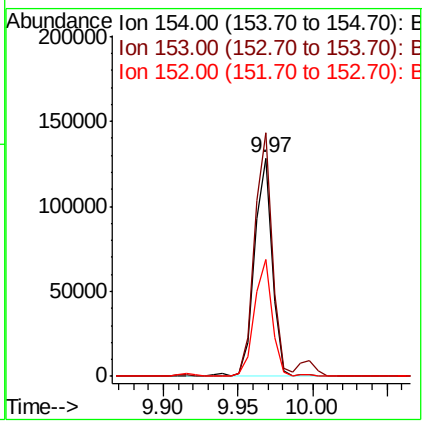




#52
Acenaphthene
Concen: 4.940 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:154 Resp: 104884

Ion	Ratio	Lower	Upper
154	100		
153	111.6	87.8	131.8
152	53.5	43.4	65.2



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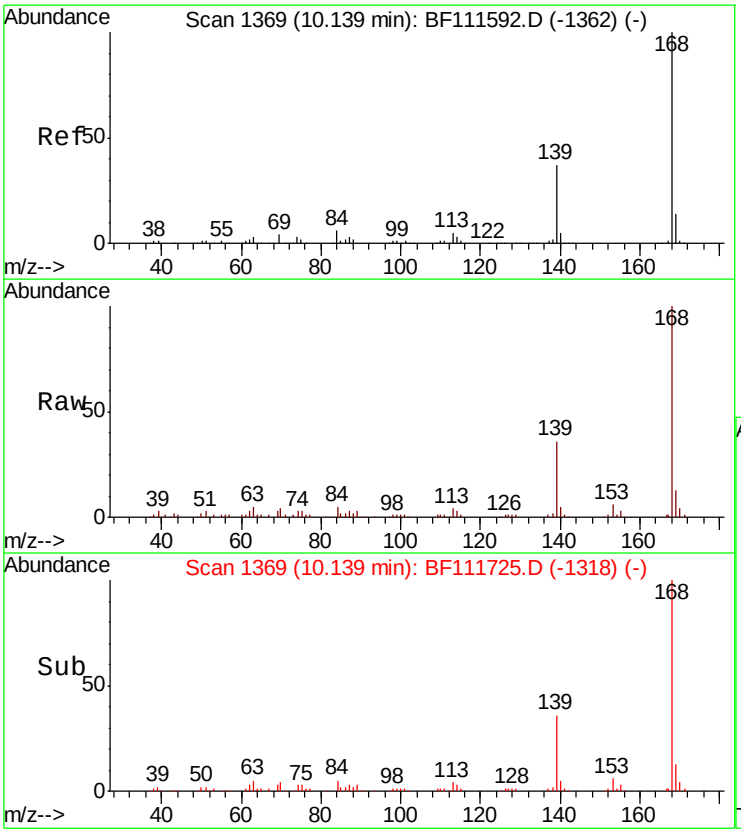
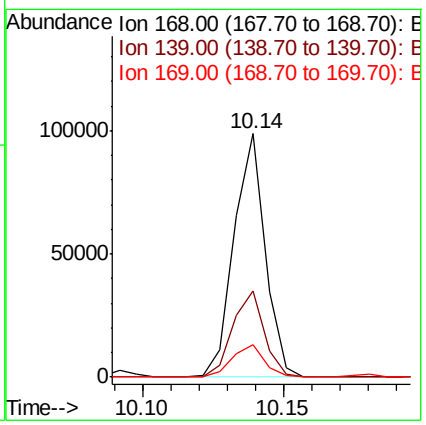
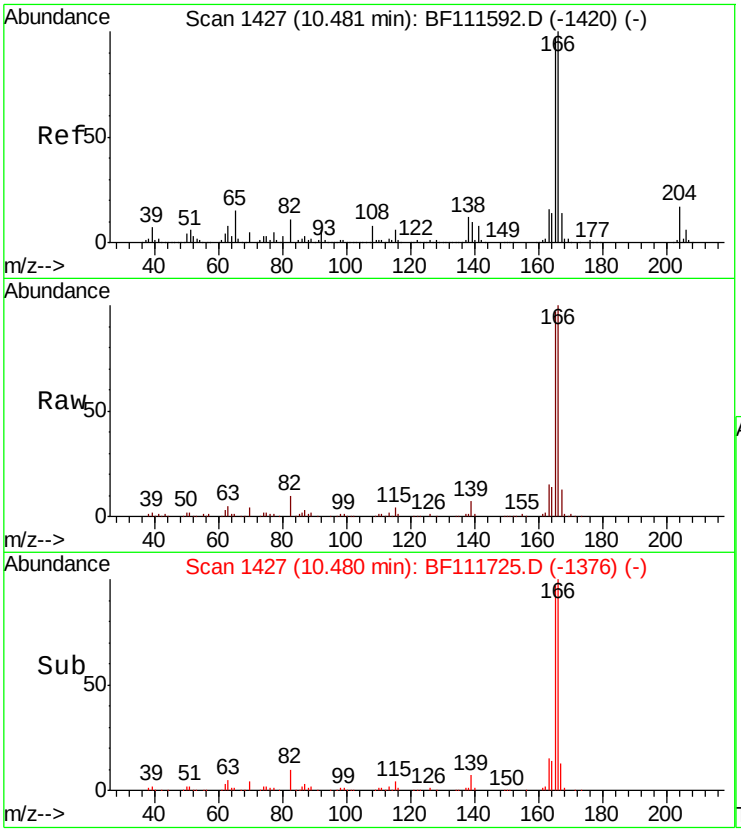


#55
Dibenzofuran
Concen: 2.362 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:168 Resp: 75779

Ion	Ratio	Lower	Upper
168	100		
139	35.6	32.6	49.0
169	13.1	11.8	17.6

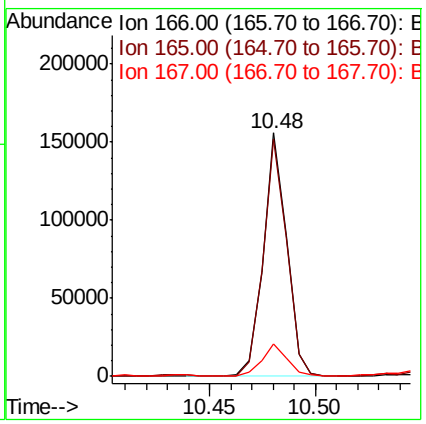




#58
Fluorene
Concen: 5.213 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:166 Resp: 120494

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	13.3	11.2	16.8



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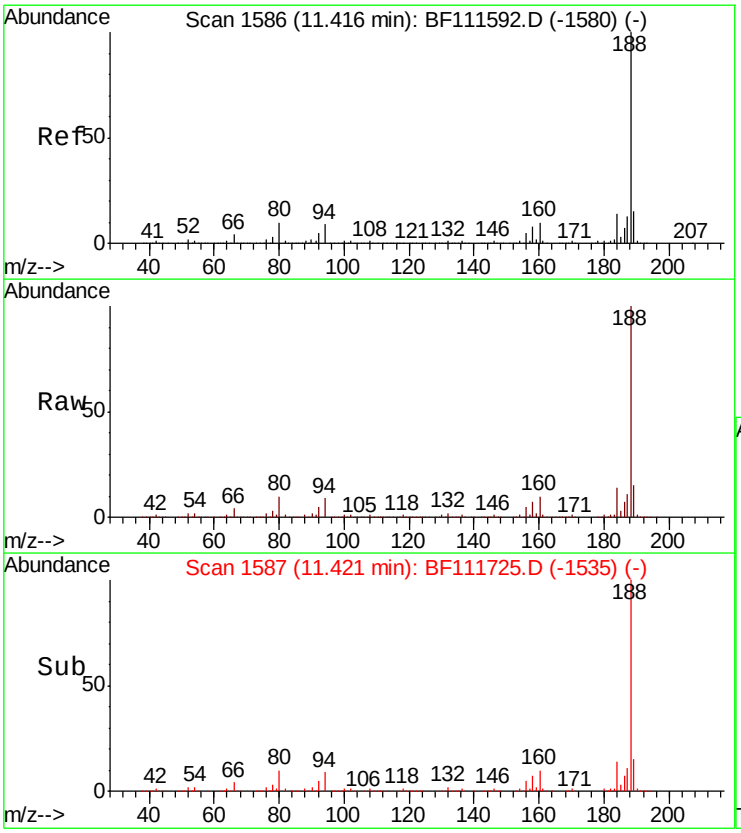
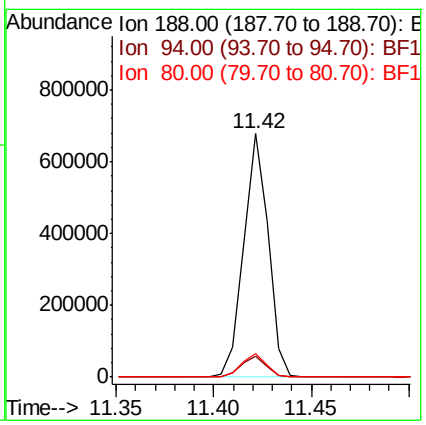
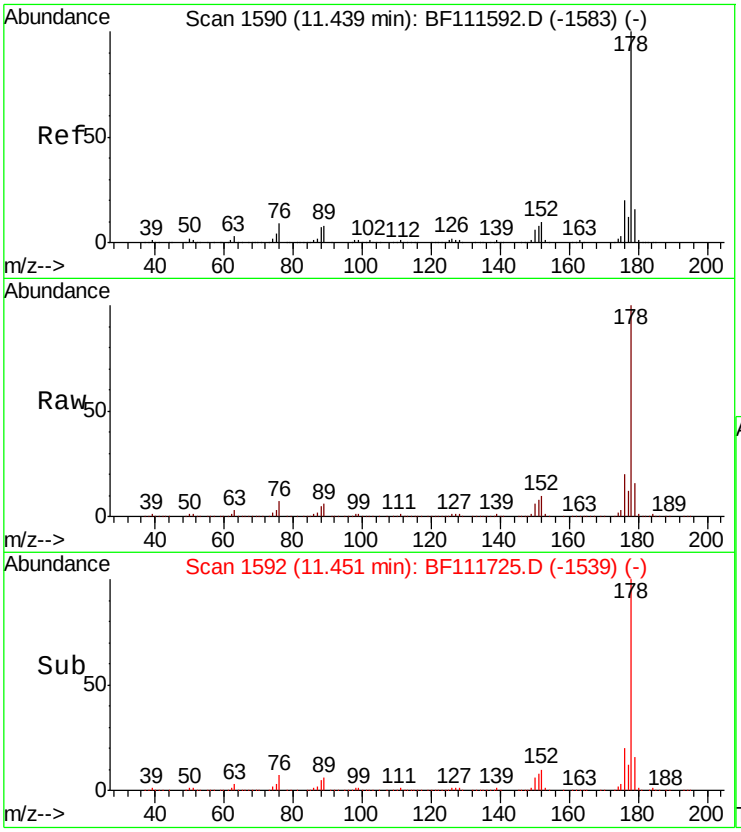


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:188 Resp: 589913

Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.6	14.4#
80	9.6	9.8	14.6#

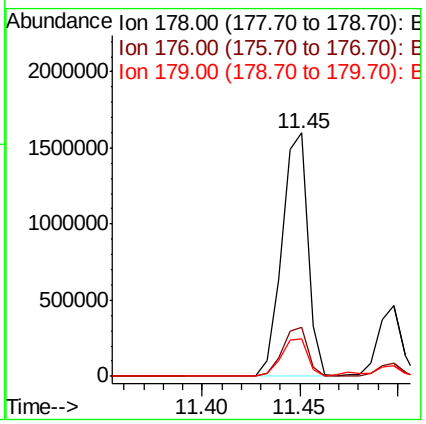




#71
Phenanthrene
Concen: 47.265 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

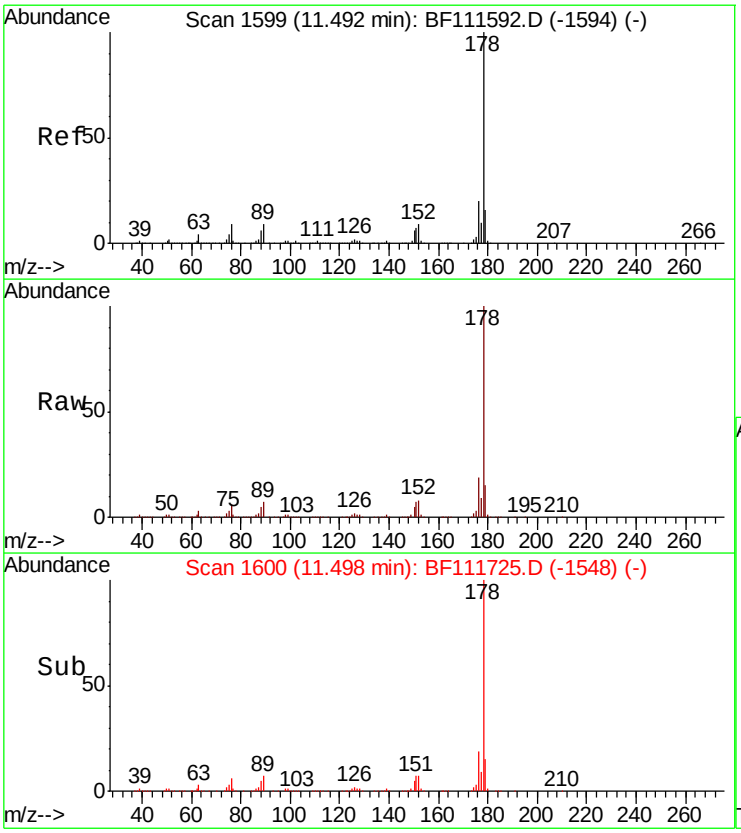
Tgt Ion:178 Resp: 1478695

Ion	Ratio	Lower	Upper
178	100		
176	20.0	18.1	27.1
179	15.7	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

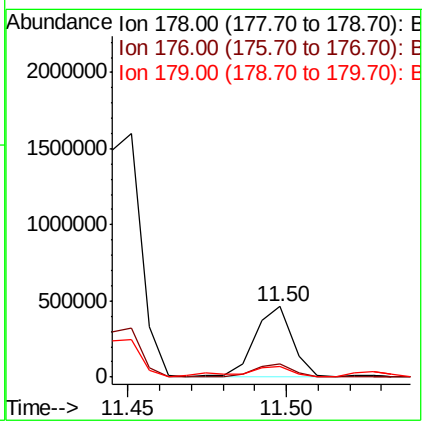
Manual Integrations APPROVED
Sohil
12/27/2018 8:22:30 AM

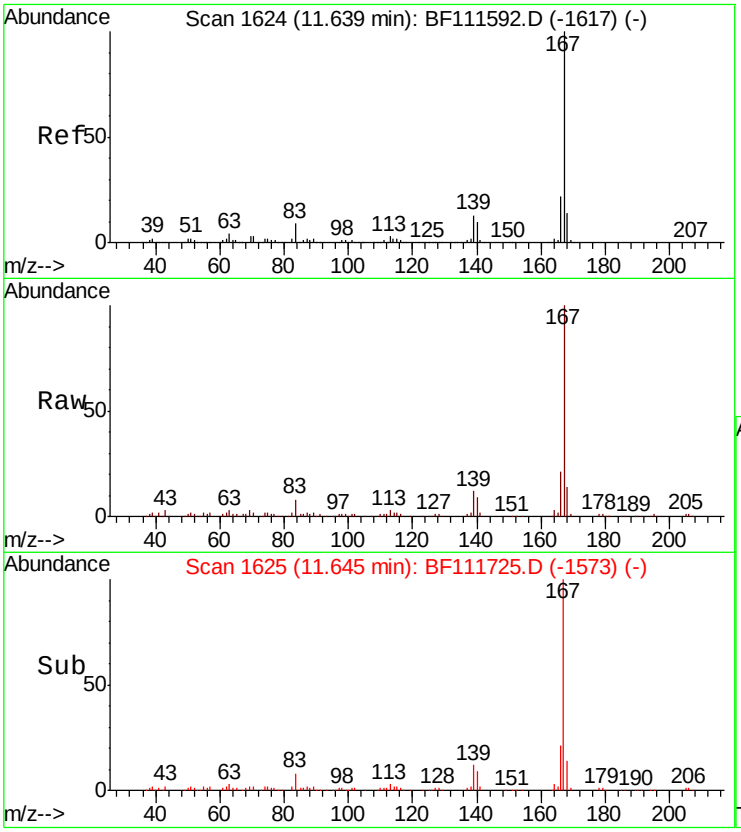


#72
Anthracene
Concen: 12.157 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:178 Resp: 381764

Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.2	25.8
179	15.0	13.8	20.8

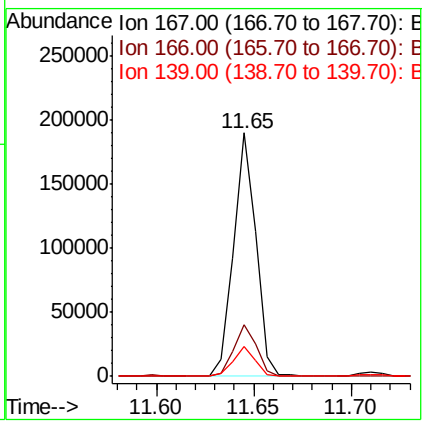




#73
Carbazole
Concen: 4.977 ng
RT: 11.65 min Scan# 1625
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:167 Resp: 151722

Ion	Ratio	Lower	Upper
167	100		
166	21.0	19.3	28.9
139	12.4	11.9	17.9



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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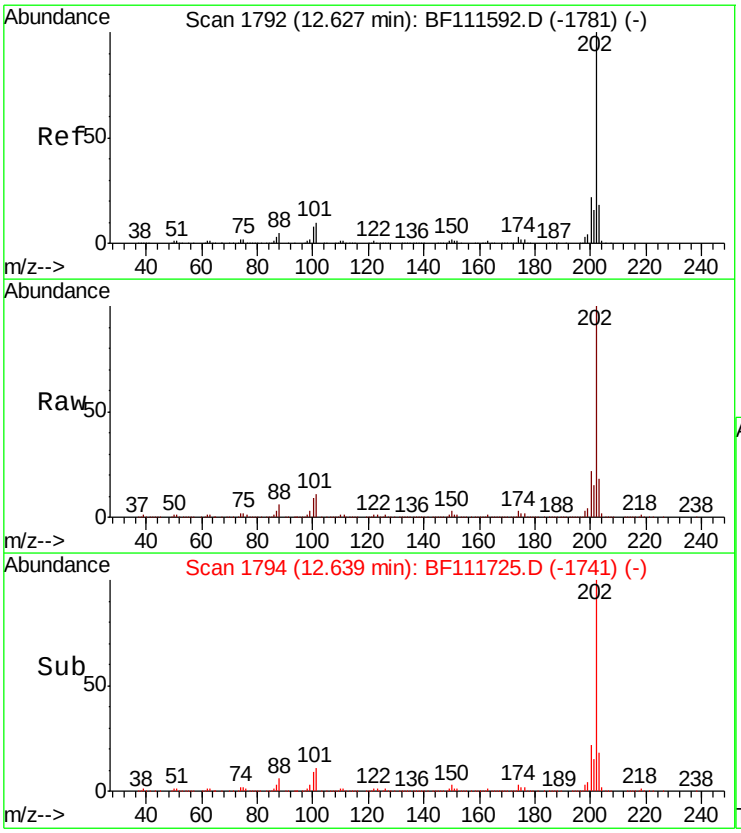
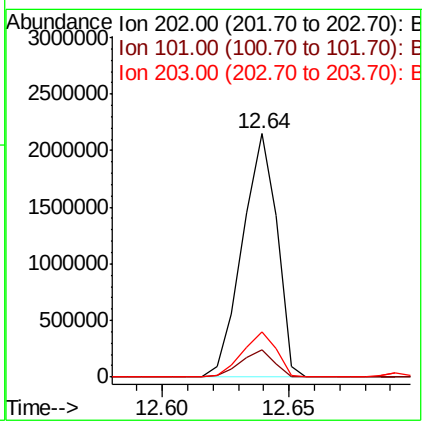
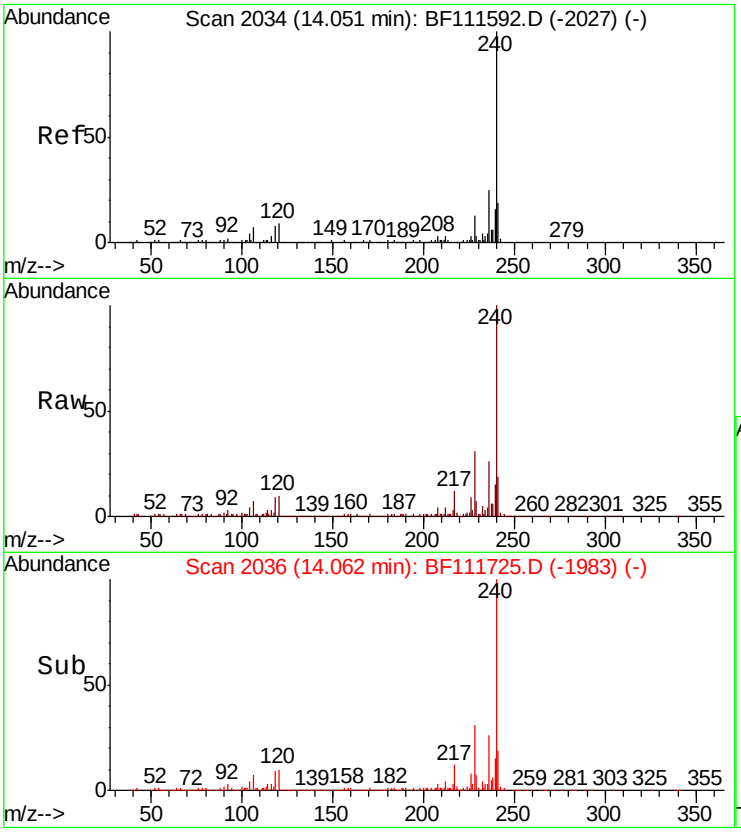


#75
Fluoranthene
Concen: 64.500 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:202 Resp: 2043404

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	33.8
203	18.4	0.0	38.6

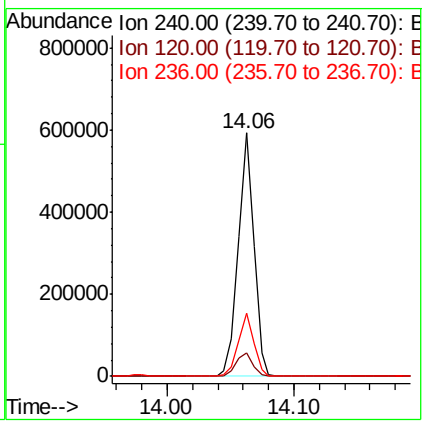




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:240 Resp: 502405

Ion	Ratio	Lower	Upper
240	100		
120	9.8	12.2	18.2#
236	25.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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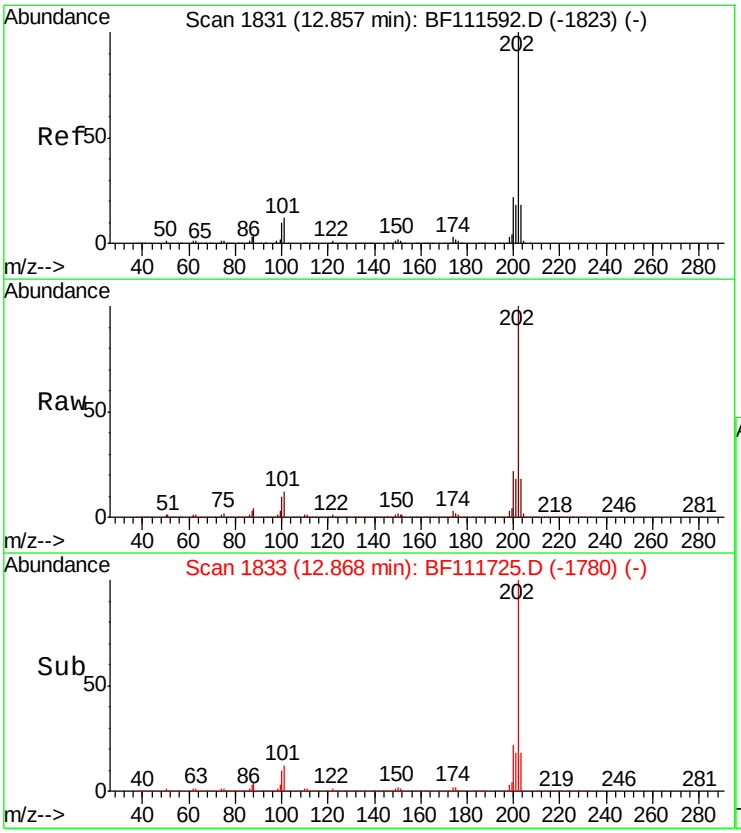
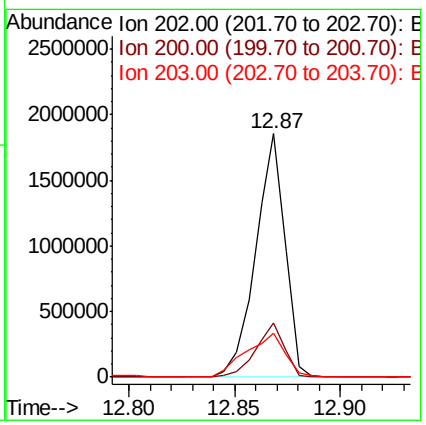
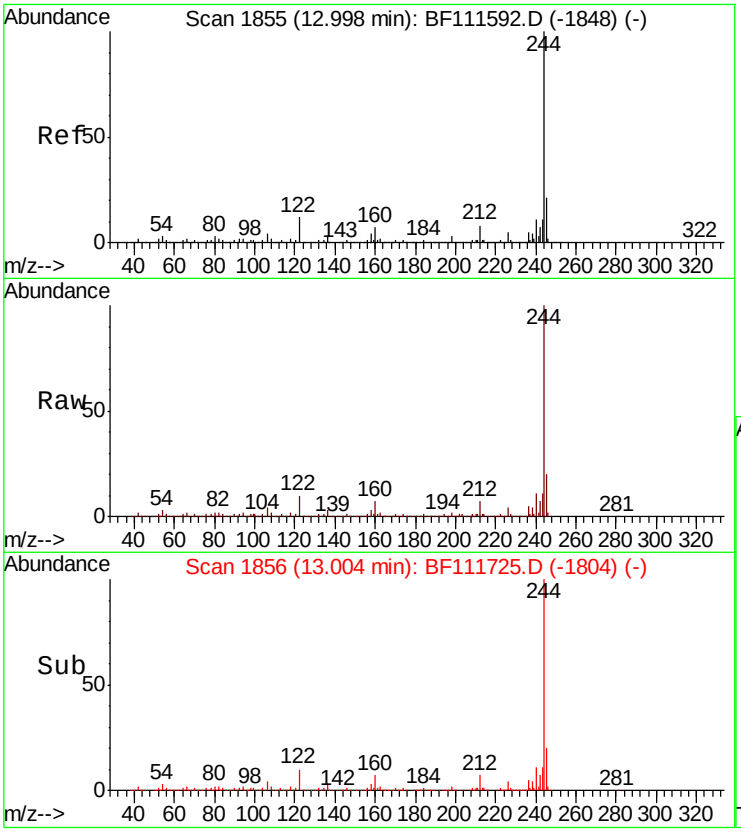


#78
Pyrene
Concen: 50.362 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:202 Resp: 1786785

Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.0	28.4
203	18.3	15.2	22.8

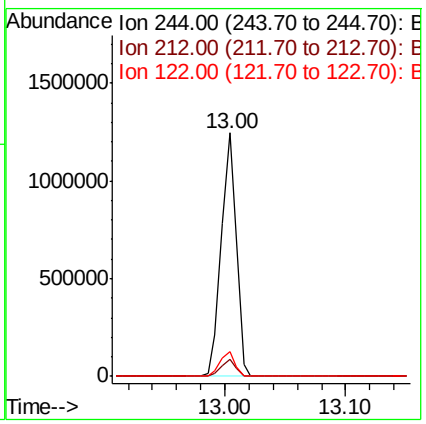




#79
Terphenyl-d14
Concen: 40.377 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:244 Resp: 1069681

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.2	13.1	19.7#



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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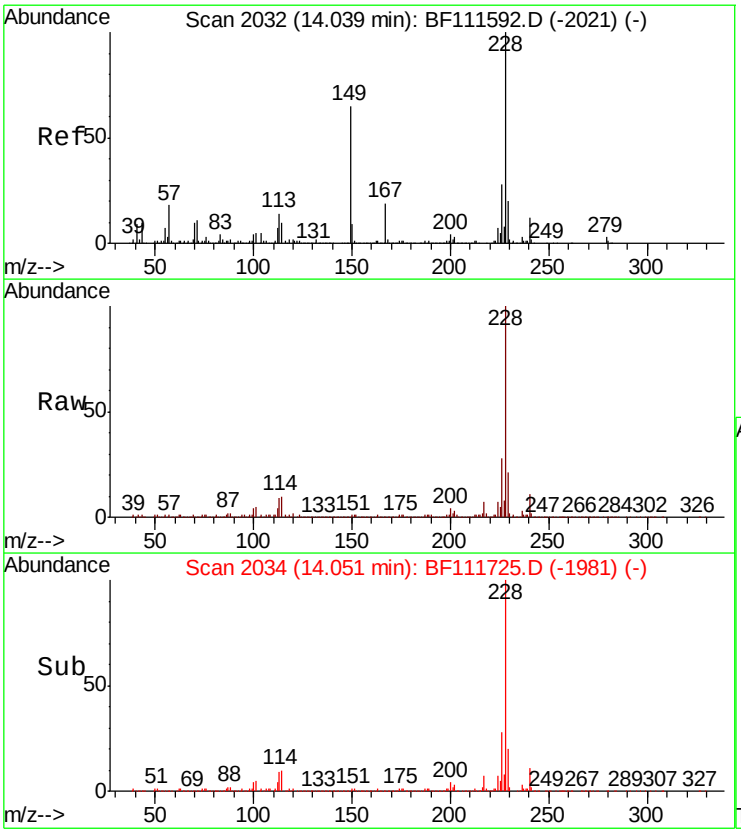
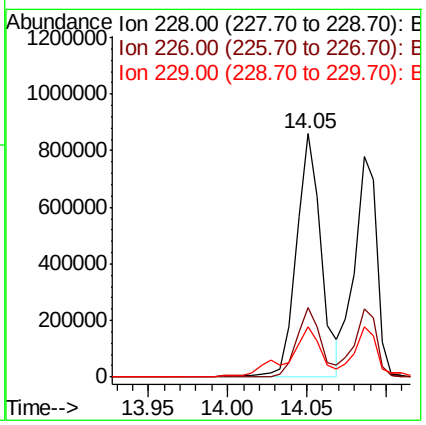
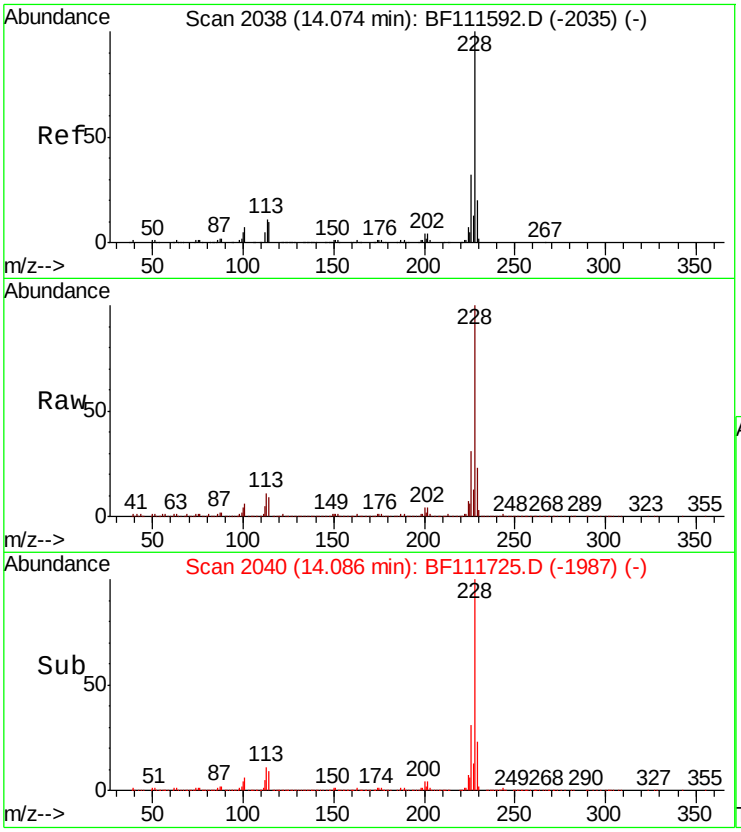


#81
Benzo(a)anthracene
Concen: 32.163 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:228 Resp: 922169

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	20.6	16.3	24.5

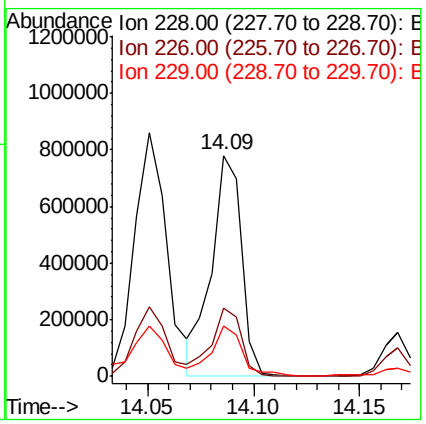




#83
Chrysene
Concen: 27.371 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:228 Resp: 771318

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.3	37.9
229	23.0	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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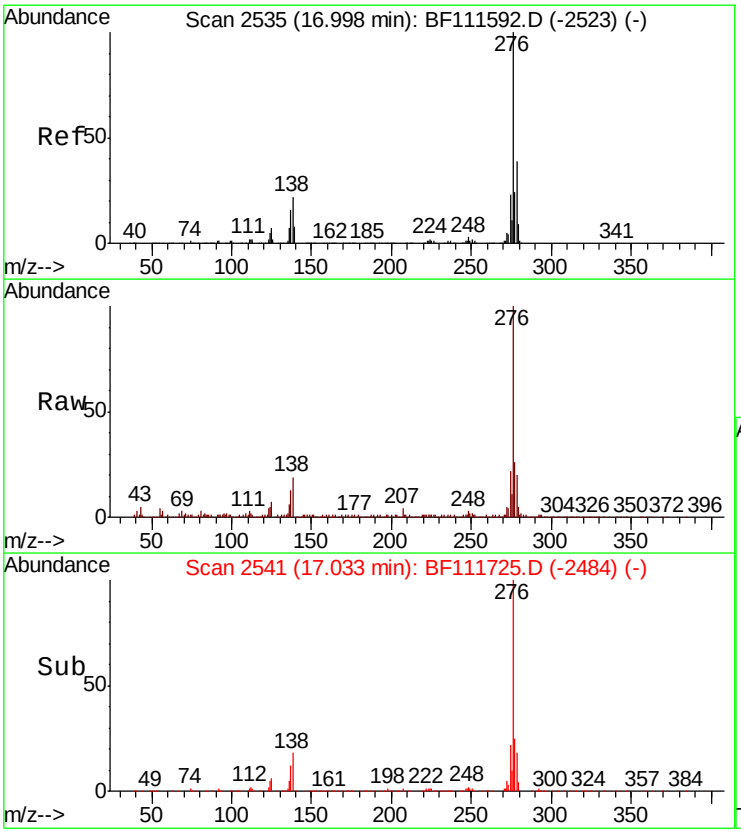
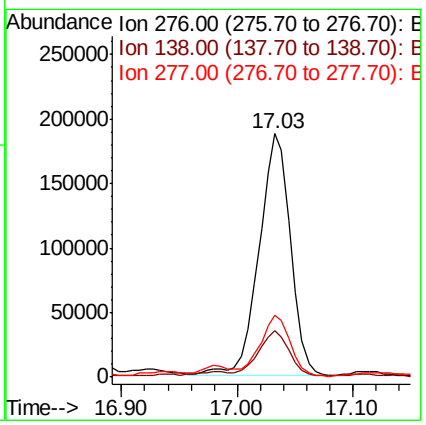
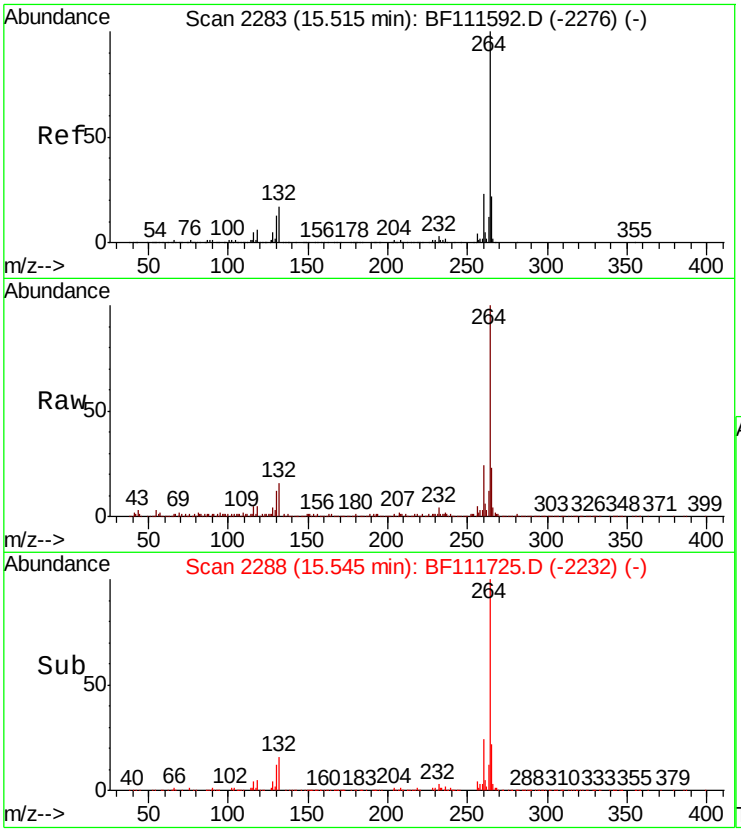


#86
Indeno(1,2,3-cd)pyrene
Concen: 14.814 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.04 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:276 Resp: 354891

Ion	Ratio	Lower	Upper
276	100		
138	18.3	27.8	41.6#
277	24.0	20.1	30.1

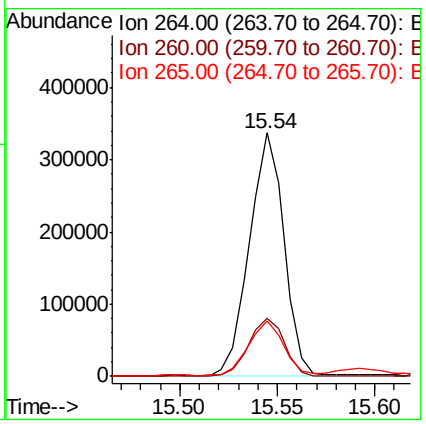




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:264 Resp: 411247

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	22.7	17.7	26.5



Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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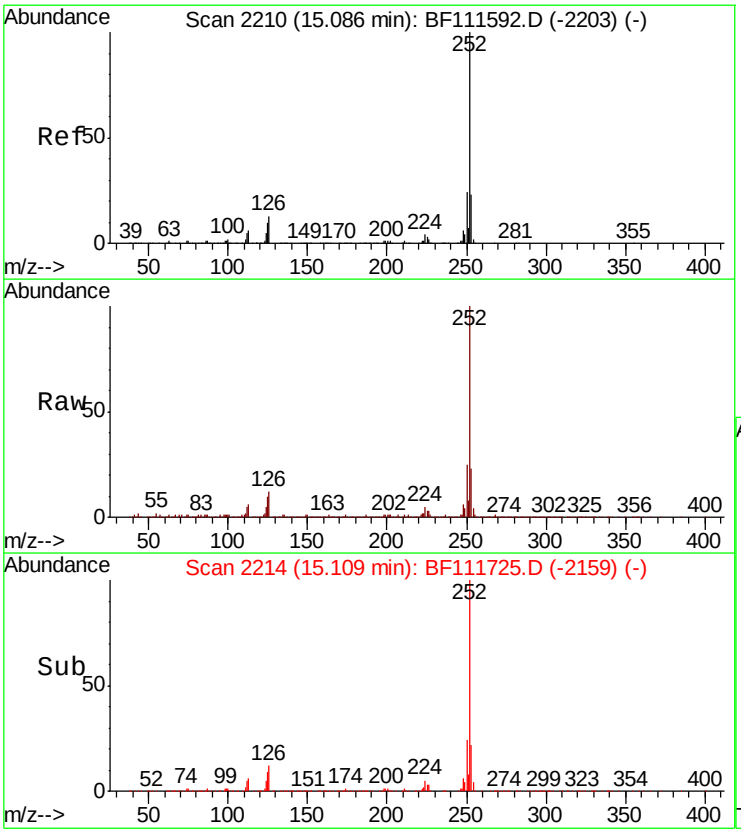
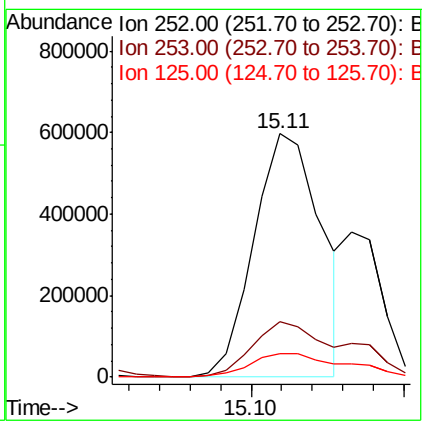
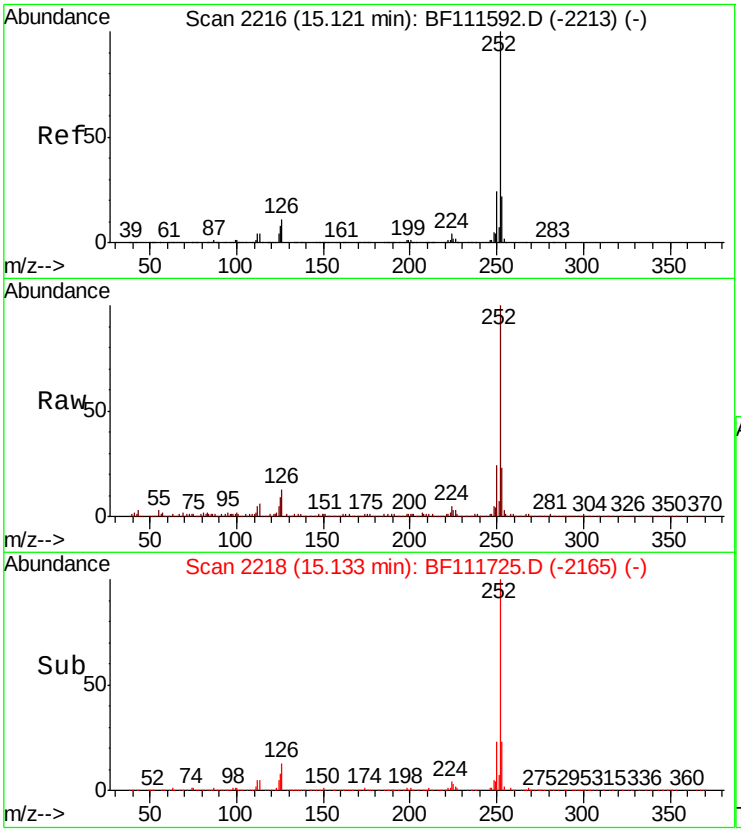


#88
Benzo(b)fluoranthene
Concen: 38.264 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:252 Resp: 919663

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	9.8	10.4	15.6#





#89
Benzo(k)fluoranthene
Concen: 13.504 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:252 Resp: 308998

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	8.9	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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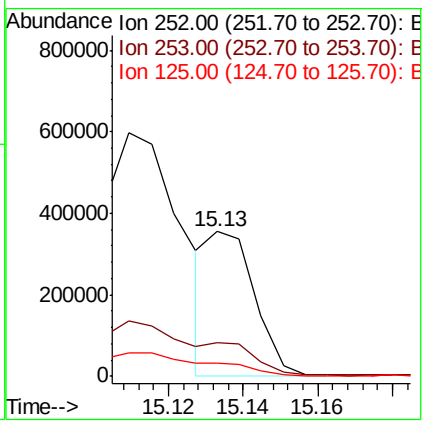
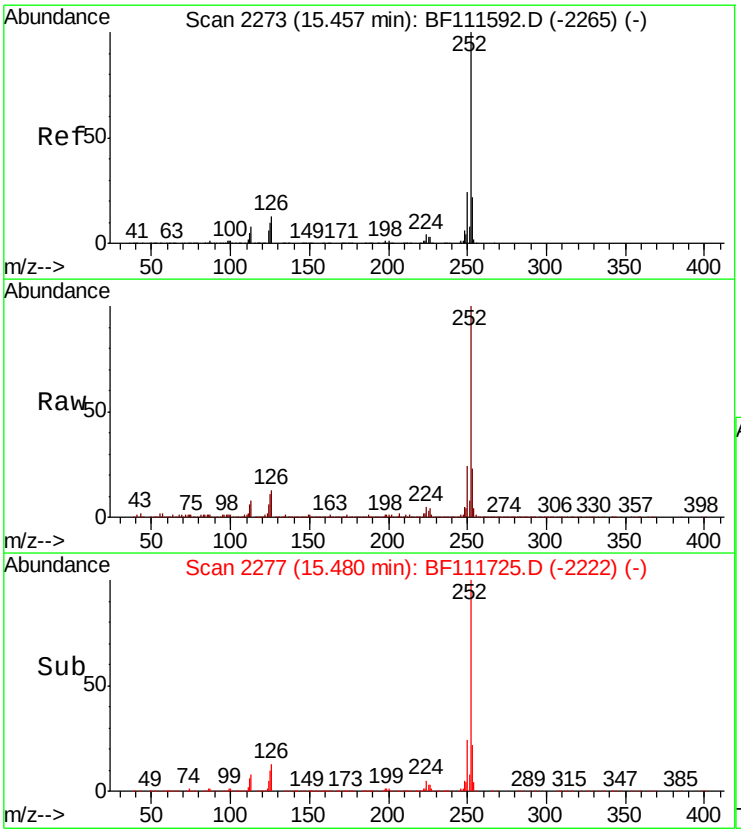
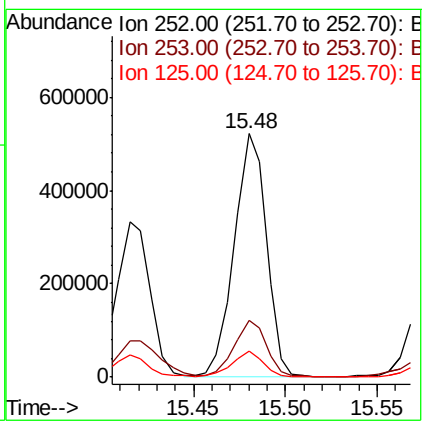


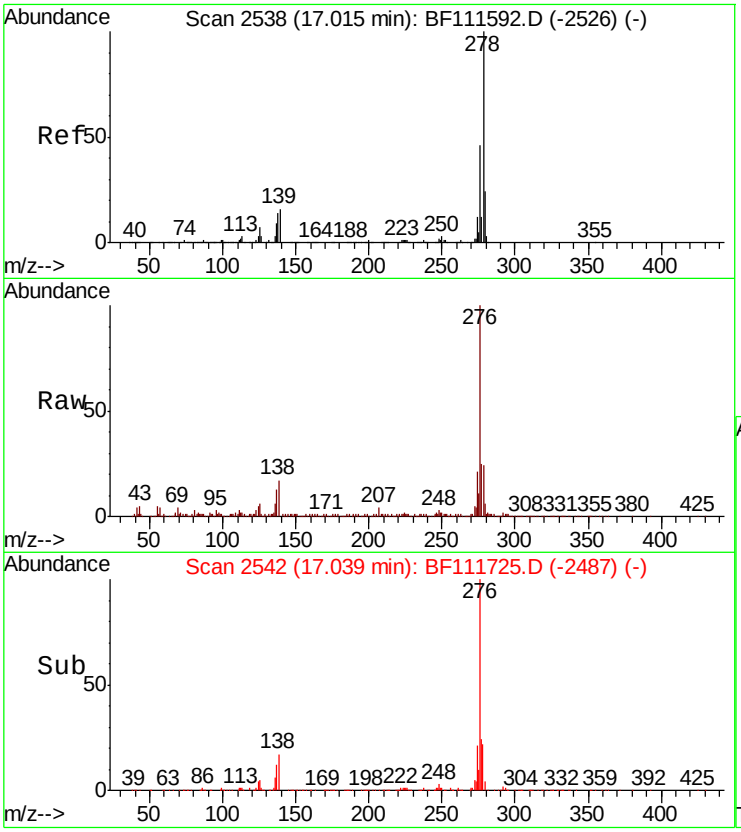


#90
Benzo(a)pyrene
Concen: 29.207 ng m
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:252 Resp: 637750

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	10.5	12.3	18.5#





#91
Dibenzo(a,h)anthracene
Concen: 4.288 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:278 Resp: 81996

Ion	Ratio	Lower	Upper
278	100		
139	0.0	18.2	27.4#
279	27.4	19.0	28.6

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

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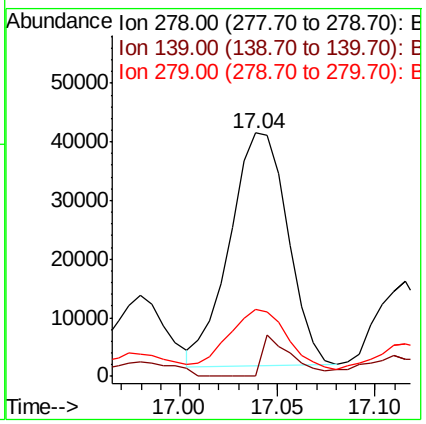

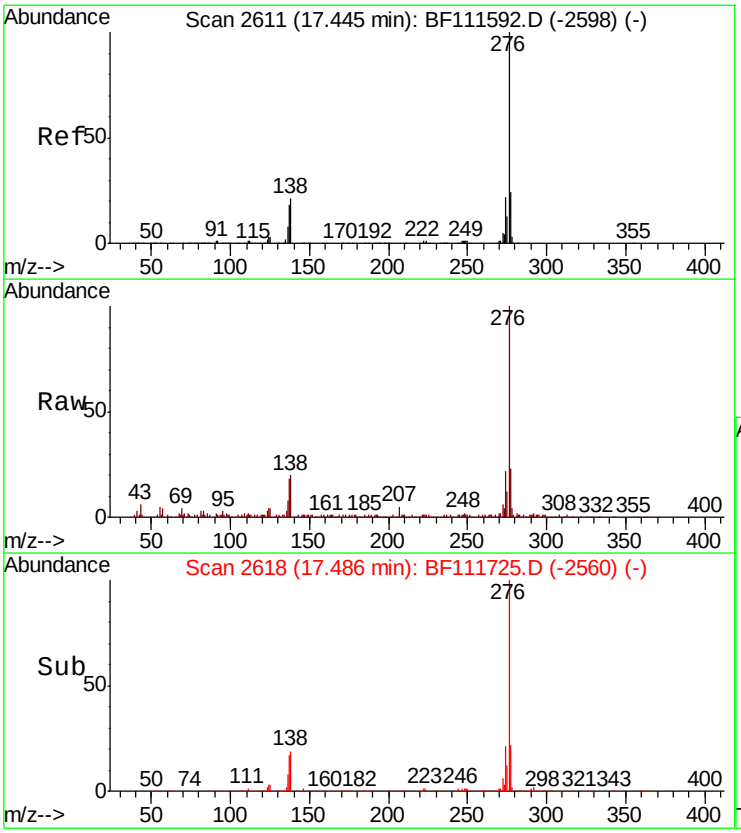

#92
Benzo(g,h,i)perylene
Concen: 17.210 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.04 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:276 Resp: 321328

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.2	28.8
138	19.9	24.9	37.3#