Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
Data File : BF112638.D
Acq On : 20 Feb 2019 13:29
Operator : JU/SJ
Sample : K1518-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations APPROVED
Sohil
2/21/2019 10:03:35 AM

Quant Time: Feb 20 17:20:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 20 16:59:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75596	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	312167	20.00	ng		0.00
39) Acenaphthene-d10	9.86	164	153218	20.00	ng		0.00
64) Phenanthrene-d10	11.35	188	287642	20.00	ng		0.00
76) Chrysene-d12	13.99	240	217101	20.00	ng		0.00
87) Perylene-d12	15.47	264	213885	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	111660	31.37	ng		0.00
7) Phenol-d6	6.47	99	148785	30.09	ng		0.00
23) Nitrobenzene-d5	7.39	82	92934	17.15	ng		0.00
42) 2,4,6-Tribromophenol	10.66	330	40726	22.84	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	172147	15.89	ng		0.00
79) Terphenyl-d14	12.92	244	163225	14.16	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.13	128	37659	2.580	ng		99
38) 1-Methylnaphthalene	8.92	142	20377	2.127	ng		93
52) Acenaphthene	9.89	154	28464	3.130	ng		97
55) Dibenzofuran	10.07	168	33437	2.406	ng		98
58) Fluorene	10.41	166	53911	5.183	ng		96
71) Phenanthrene	11.37	178	660703	44.182	ng		97
72) Anthracene	11.43	178	140504	9.432	ng		98
73) Carbazole	11.59	167	52248	3.556	ng		97
75) Fluoranthene	12.56	202	672222	41.911	ng		99
78) Pyrene	12.79	202	577769	38.439	ng		98
81) Benzo(a)anthracene	13.99	228	253015	19.825	ng		99
83) Chrysene	14.02	228	235998	19.372	ng		97
86) Indeno(1,2,3-cd)pyrene	16.96	276	122600	12.701	ng	#	92
88) Benzo(b)fluoranthene	15.04	252	274608m	21.468	ng		
89) Benzo(k)fluoranthene	15.06	252	77351m	6.313	ng		
90) Benzo(a)pyrene	15.40	252	184964	16.071	ng		98
91) Dibenzo(a,h)anthracene	16.95	278	31107m	3.353	ng		
92) Benzo(g,h,i)perylene	17.41	276	115616	13.211	ng		98

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

Quantitation Report (QT Reviewed)

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

Manual Integrations APPROVED
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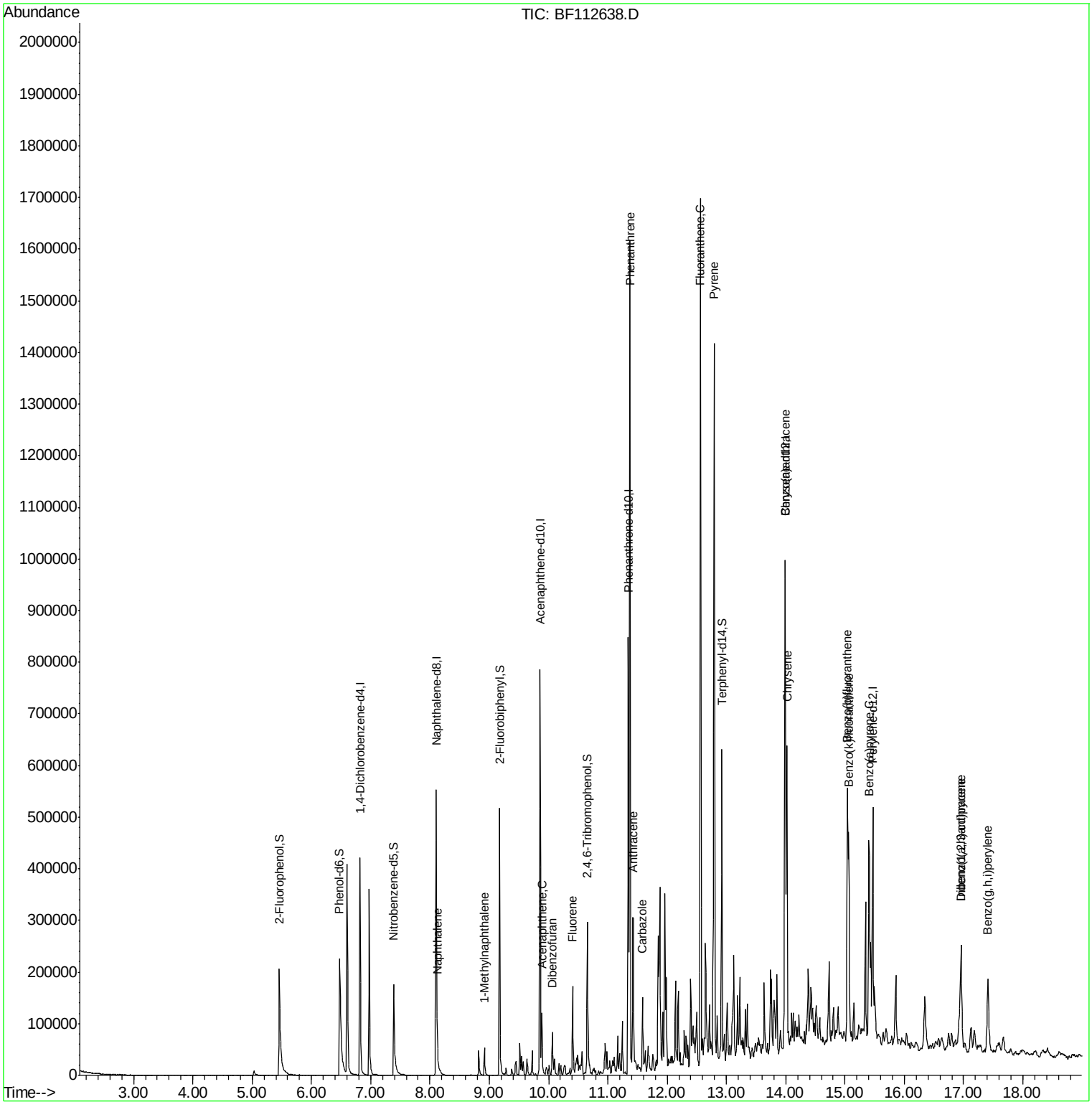
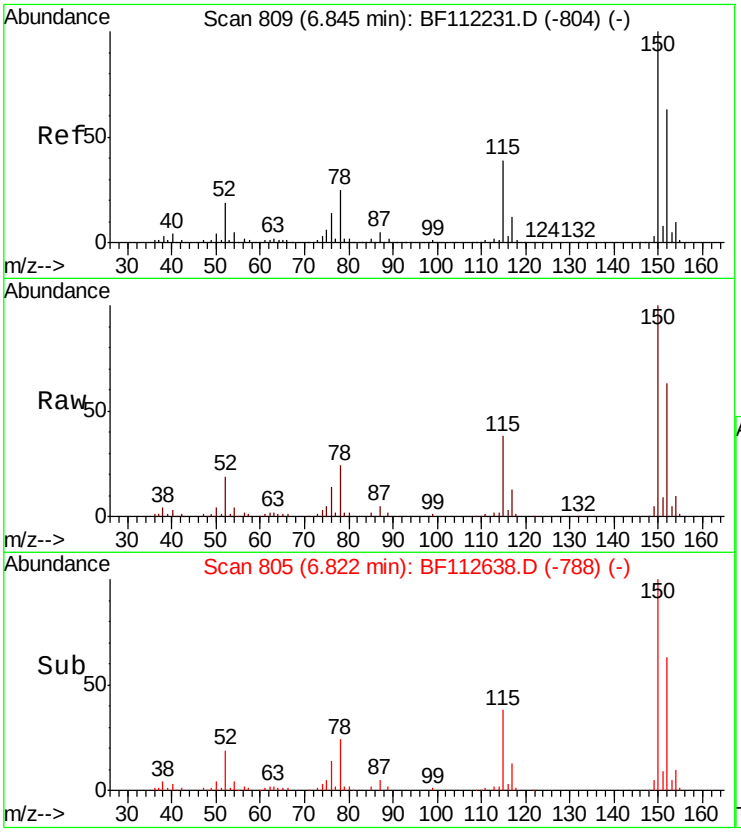
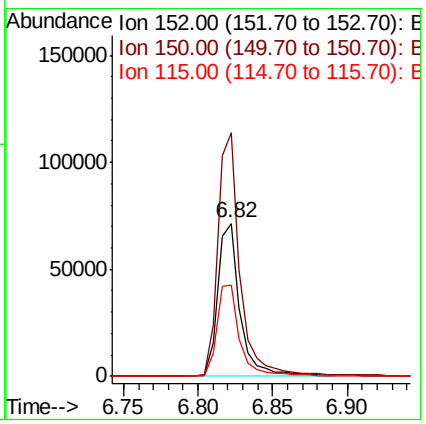




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:152 Resp: 75596

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.0
115	59.9	45.5	68.3



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

Manual Integrations APPROVED
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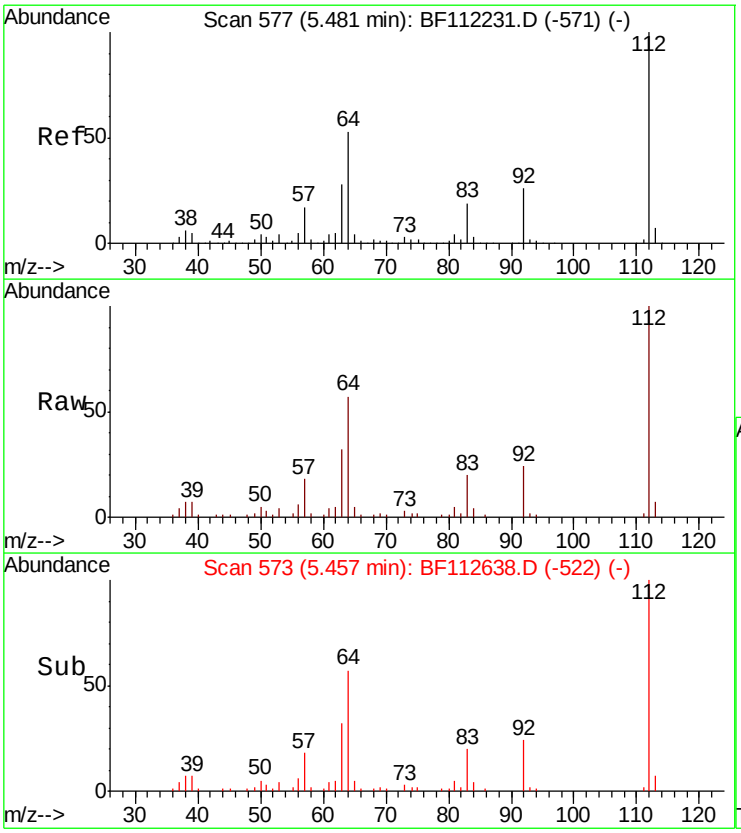
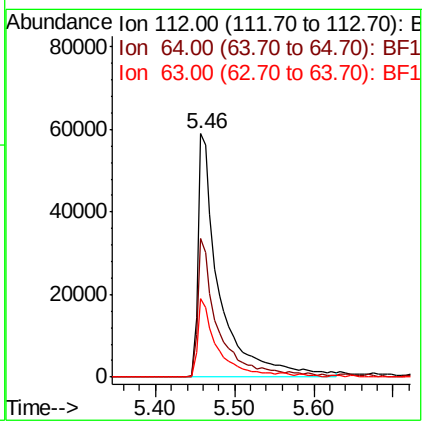
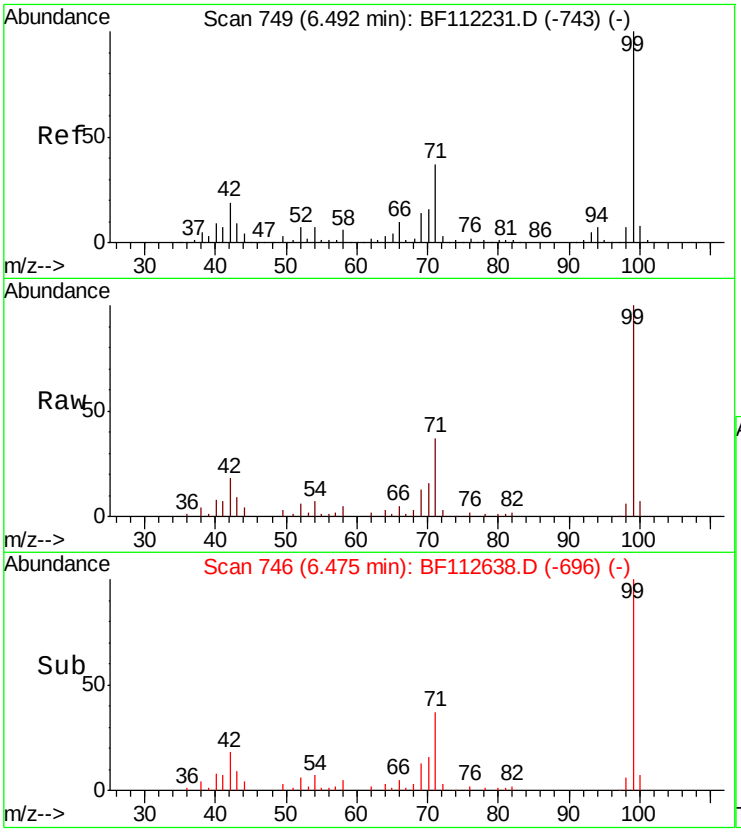


#5
2-Fluorophenol
Concen: 31.374 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:112 Resp: 111660

Ion	Ratio	Lower	Upper
112	100		
64	57.0	45.7	68.5
63	32.5	23.6	35.4

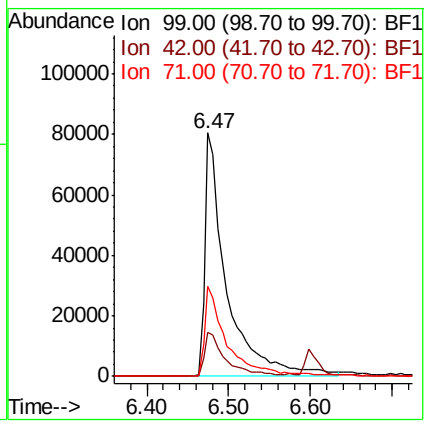




#7
Phenol-d6
Concen: 30.085 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion: 99 Resp: 148785

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.1	22.7
71	36.9	26.9	40.3



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

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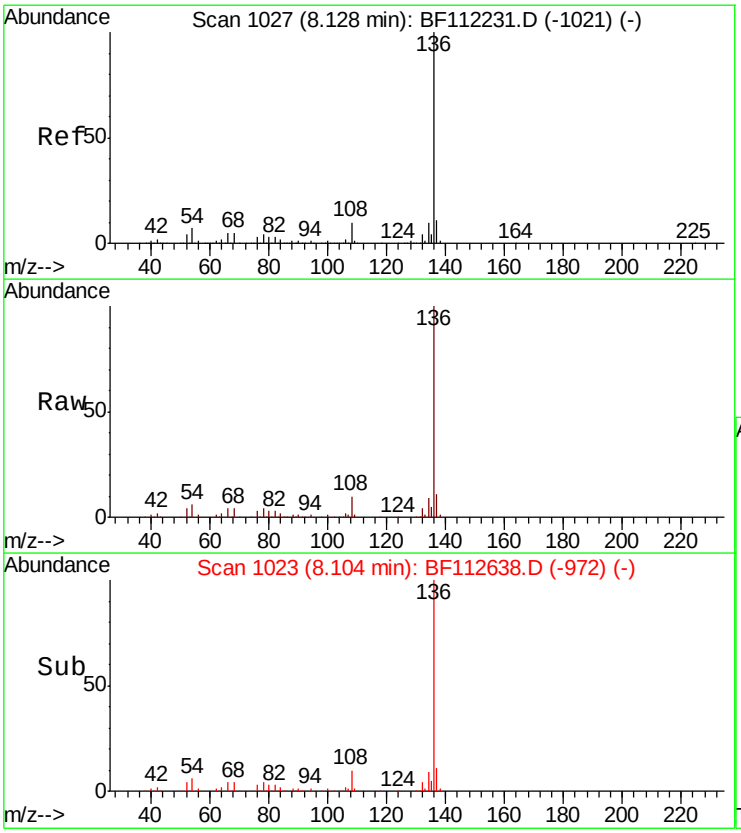
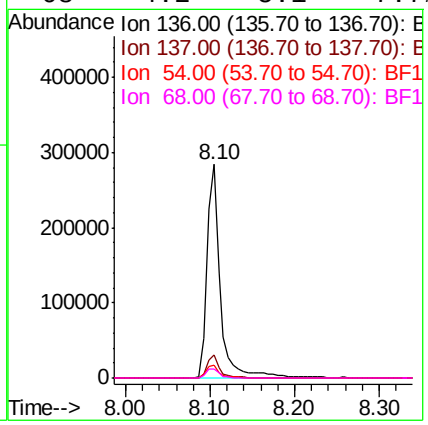
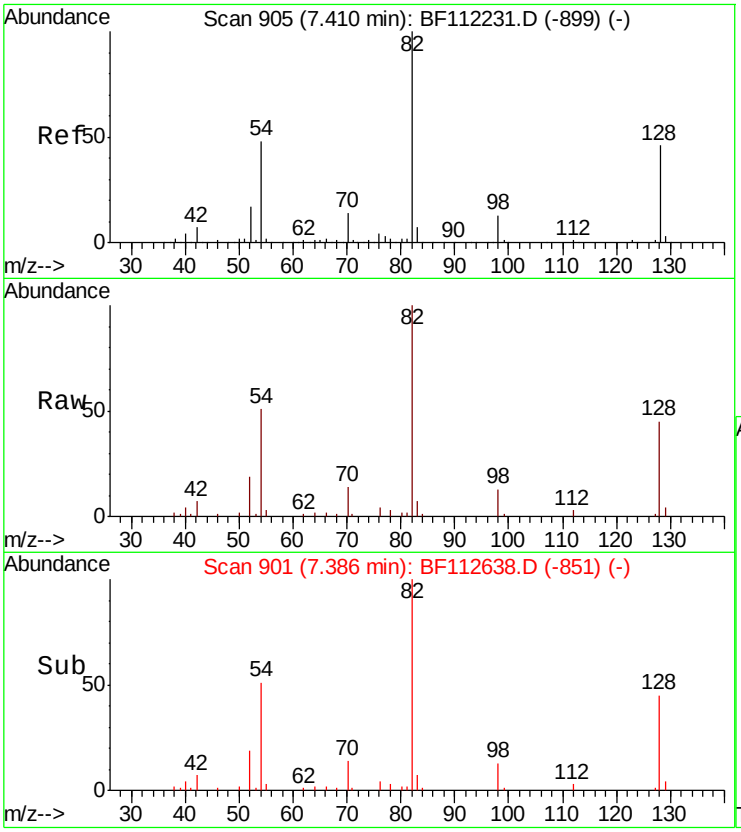


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:136 Resp: 312167

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.8	5.9	8.9#
68	4.2	5.1	7.7#

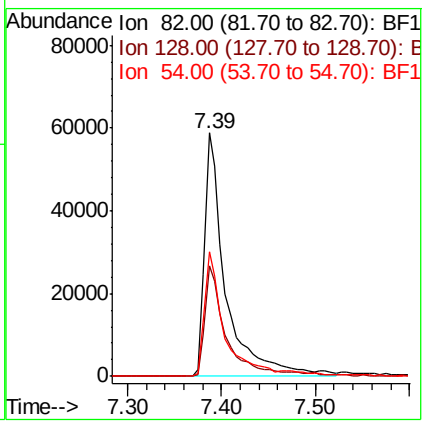




#23
Nitrobenzene-d5
Concen: 17.154 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion: 82 Resp: 92934

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.8	56.8
54	51.0	39.7	59.5



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

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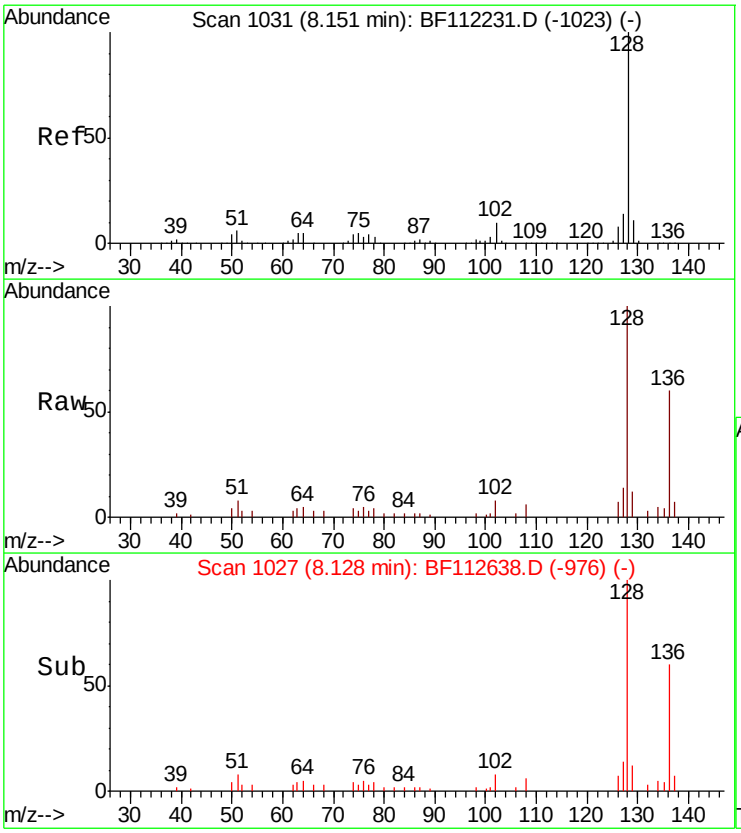
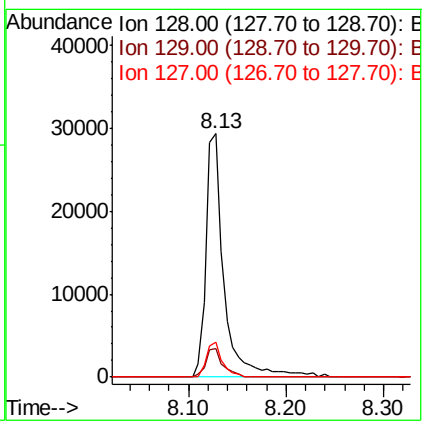
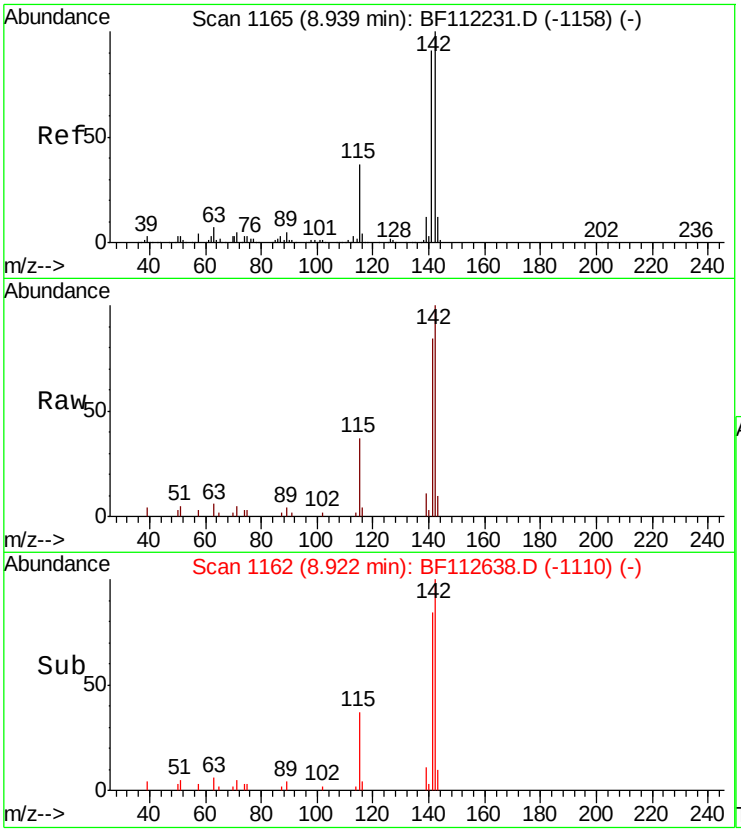


#31
Naphthalene
Concen: 2.580 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:128 Resp: 37659

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.6	14.4
127	14.3	11.1	16.7

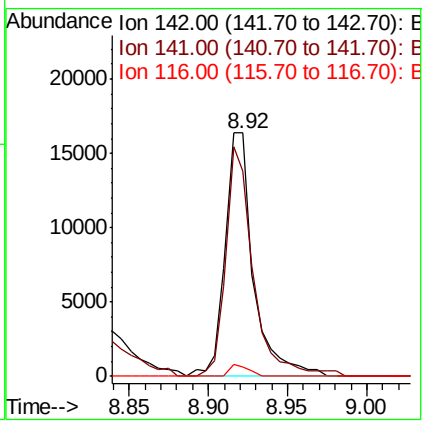




#38
1-Methylnaphthalene
Concen: 2.127 ng
RT: 8.92 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:142 Resp: 20377

Ion	Ratio	Lower	Upper
142	100		
141	84.2	72.6	108.8
116	3.7	2.8	4.2



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

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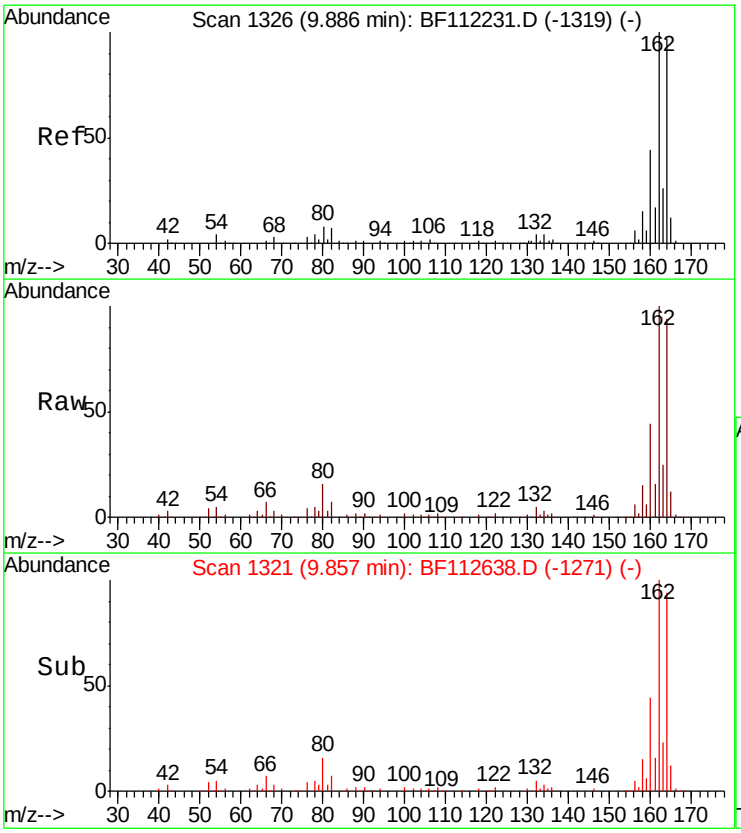
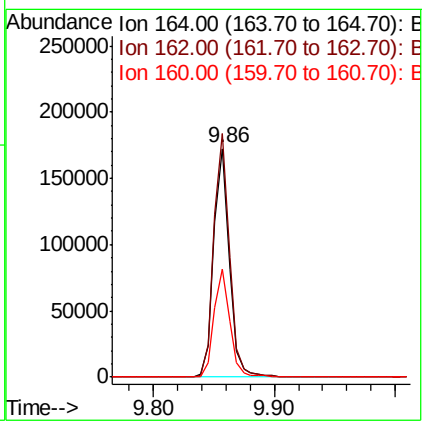
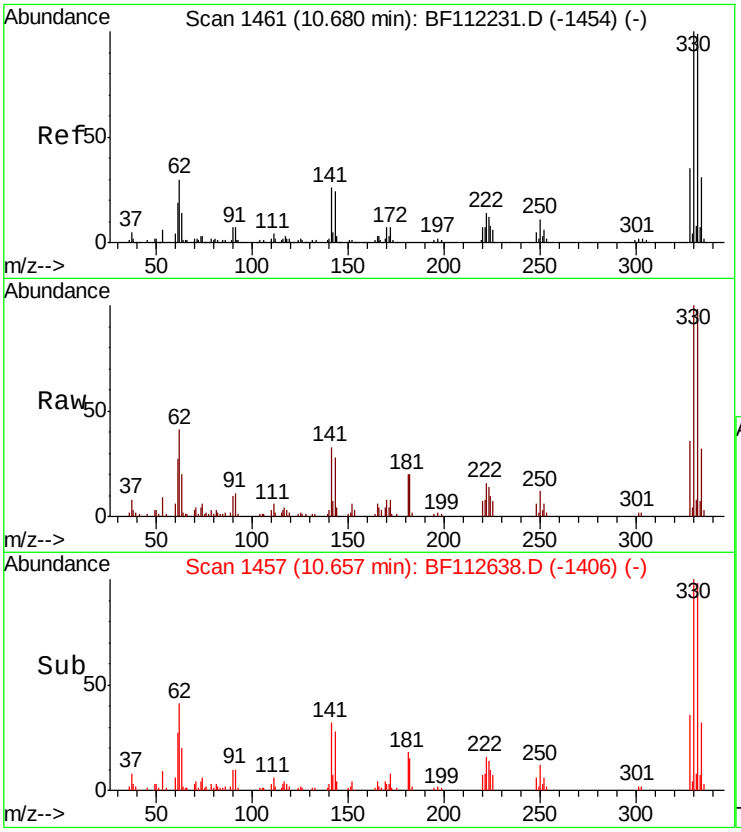


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:164 Resp: 153218

Ion	Ratio	Lower	Upper
164	100		
162	106.4	82.2	123.4
160	47.3	36.2	54.4





#42
2,4,6-Tribromophenol
Concen: 22.836 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:330 Resp: 40726

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.6	114.8
141	37.9	24.3	36.5#

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

Manual Integrations APPROVED
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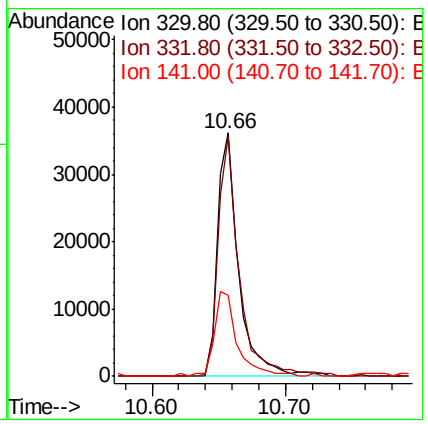
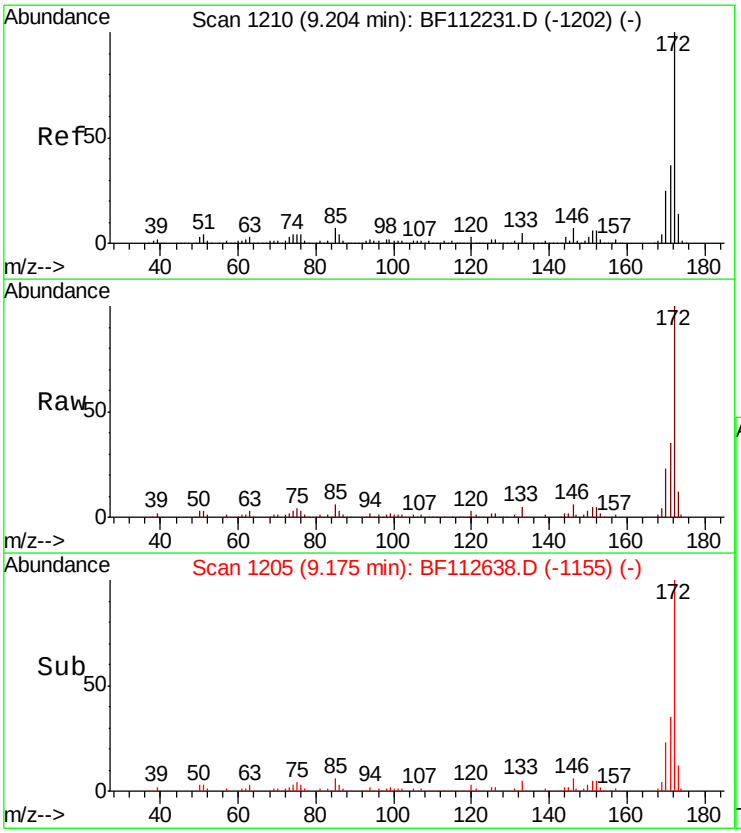
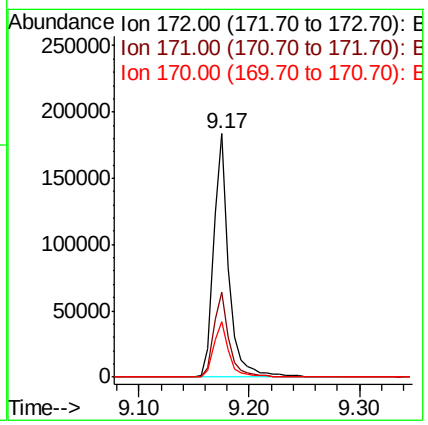


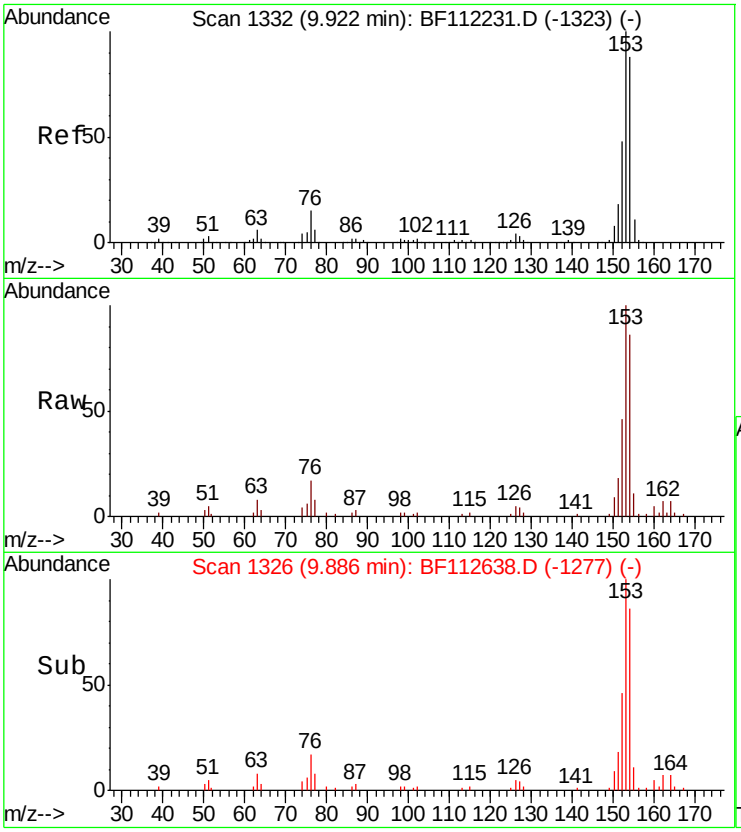


#45
2-Fluorobiphenyl
Concen: 15.891 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:172 Resp: 172147

Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.5	45.7
170	22.7	20.2	30.4

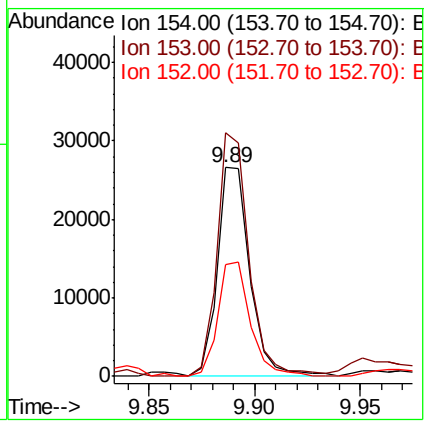




#52
Acenaphthene
Concen: 3.130 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:154 Resp: 28464

Ion	Ratio	Lower	Upper
154	100		
153	116.6	89.8	134.6
152	53.8	43.5	65.3



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

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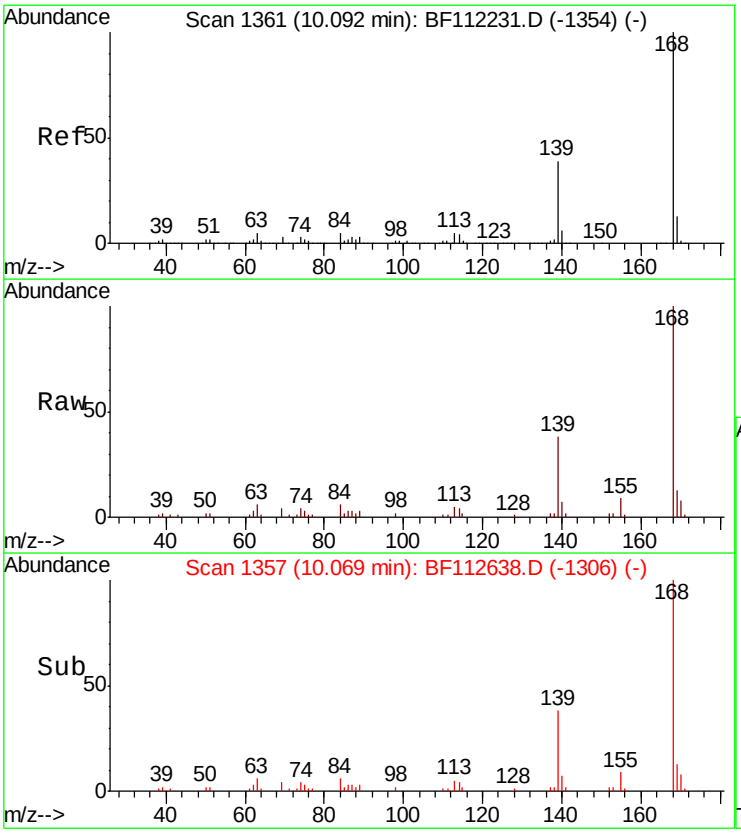
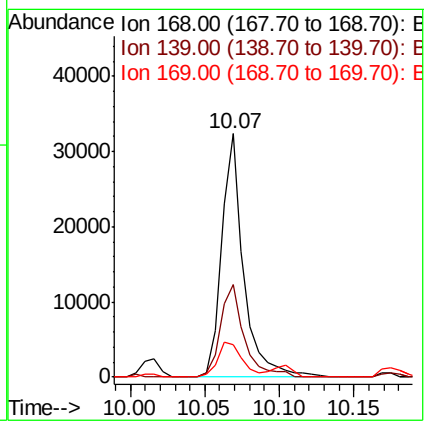
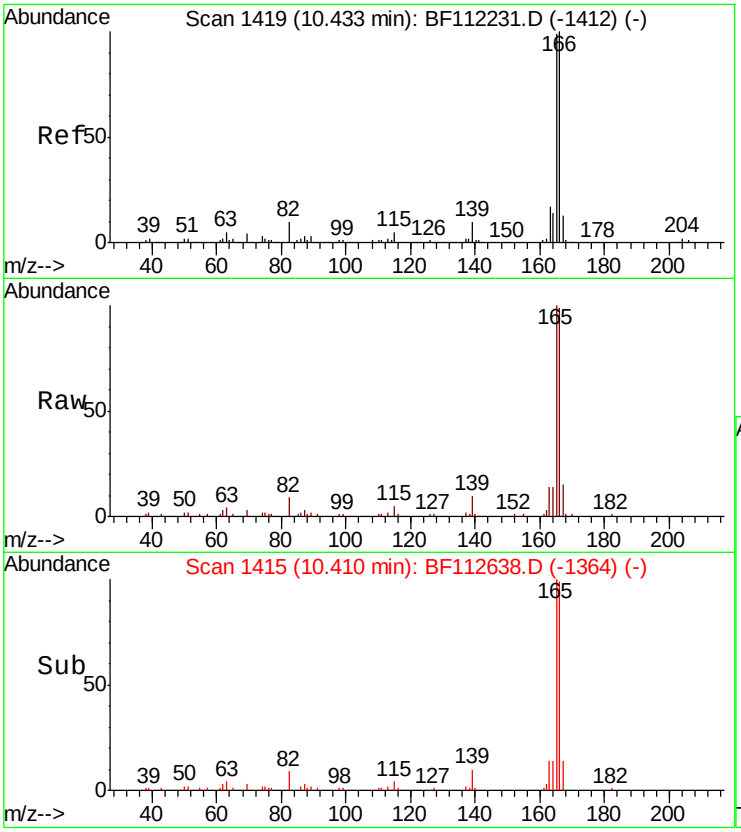


#55
Dibenzofuran
Concen: 2.406 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:168 Resp: 33437

Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.2	43.8
169	13.4	11.4	17.0

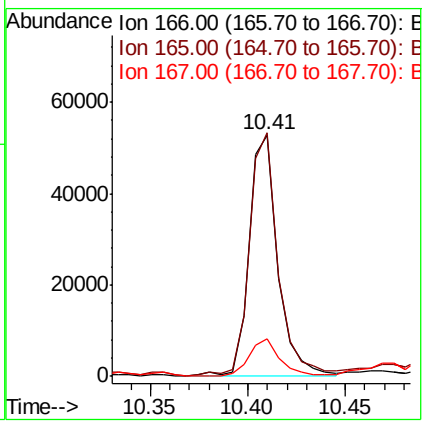




#58
Fluorene
Concen: 5.183 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:166 Resp: 53911

Ion	Ratio	Lower	Upper
166	100		
165	100.8	77.1	115.7
167	15.4	11.3	16.9



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

Manual Integrations APPROVED
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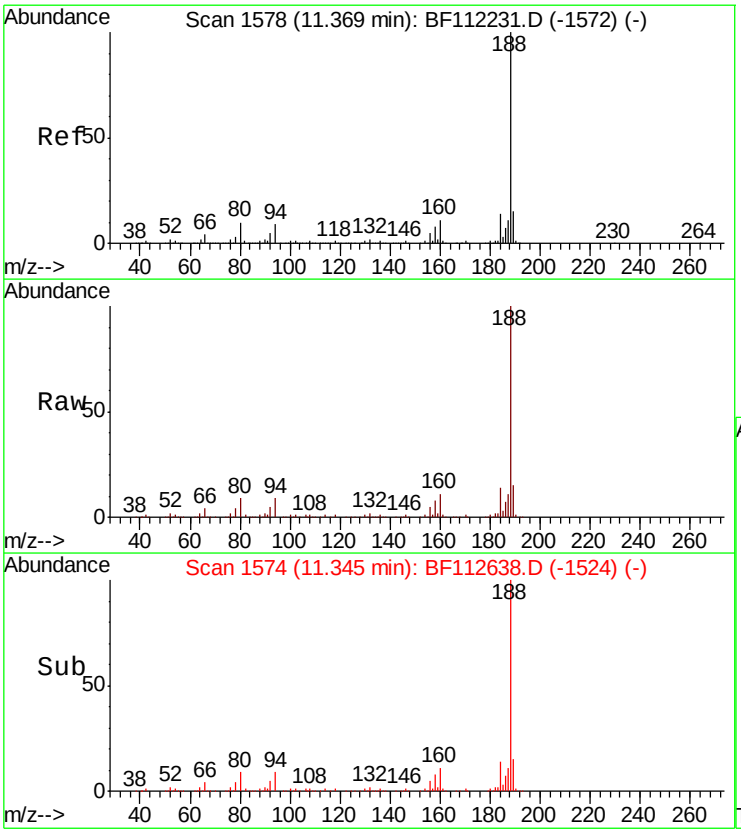
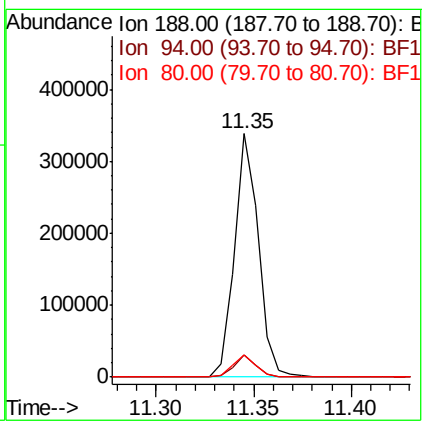
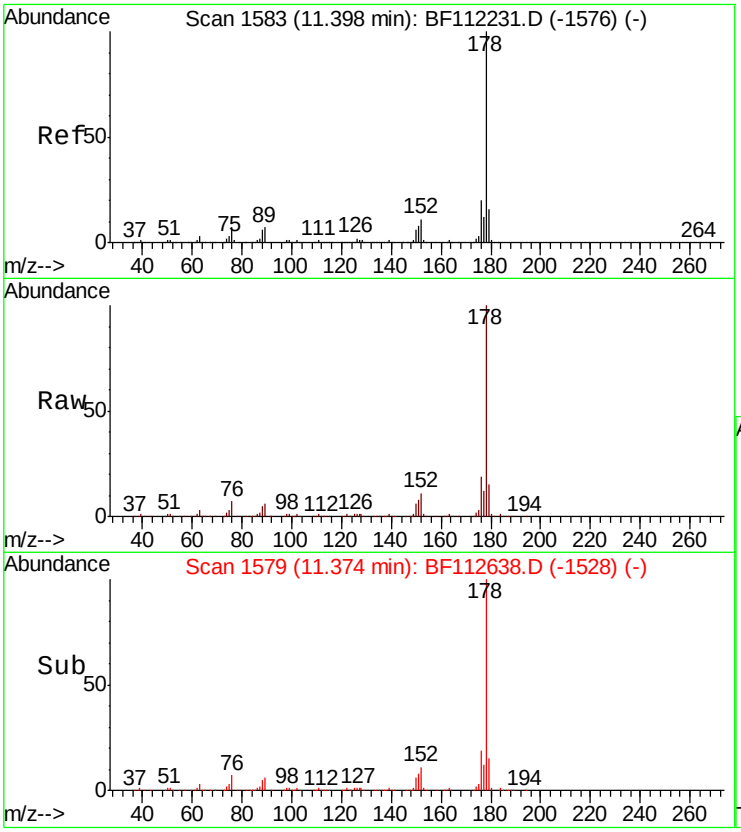


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:188 Resp: 287642

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

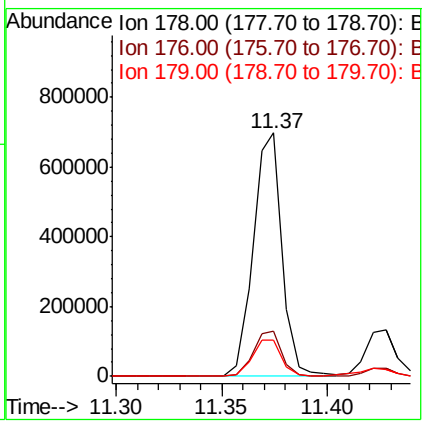




#71
Phenanthrene
Concen: 44.182 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:178 Resp: 660703

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.3	24.5
179	15.0	13.0	19.4



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

Manual Integrations APPROVED
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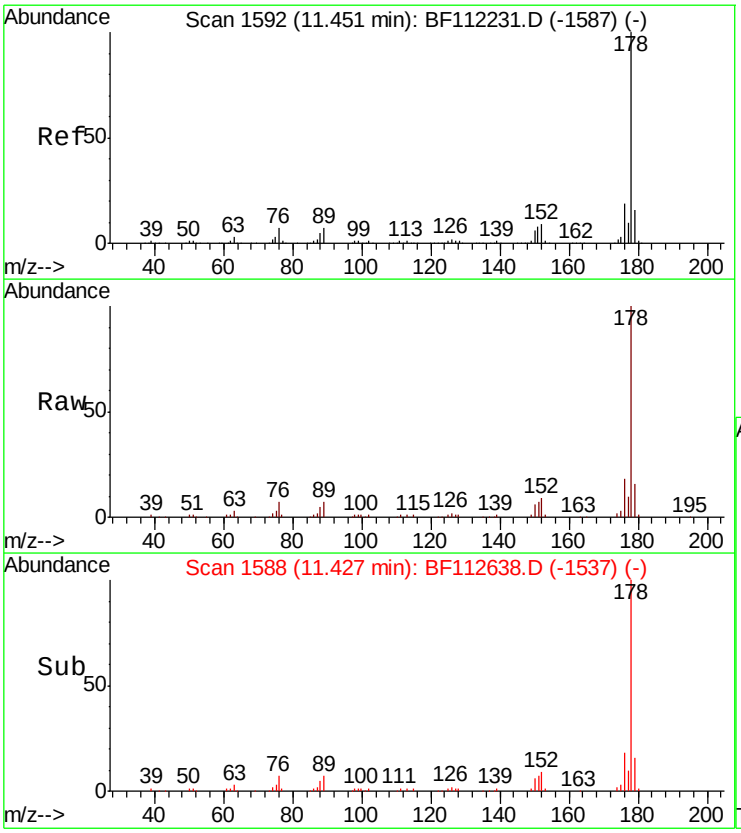
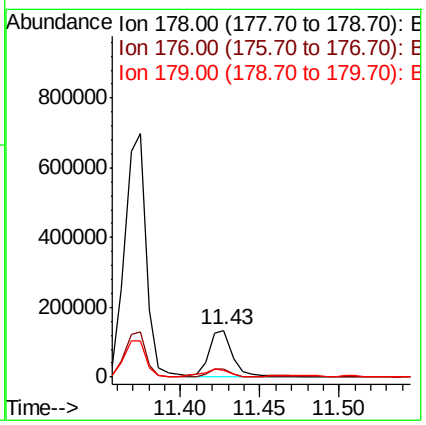
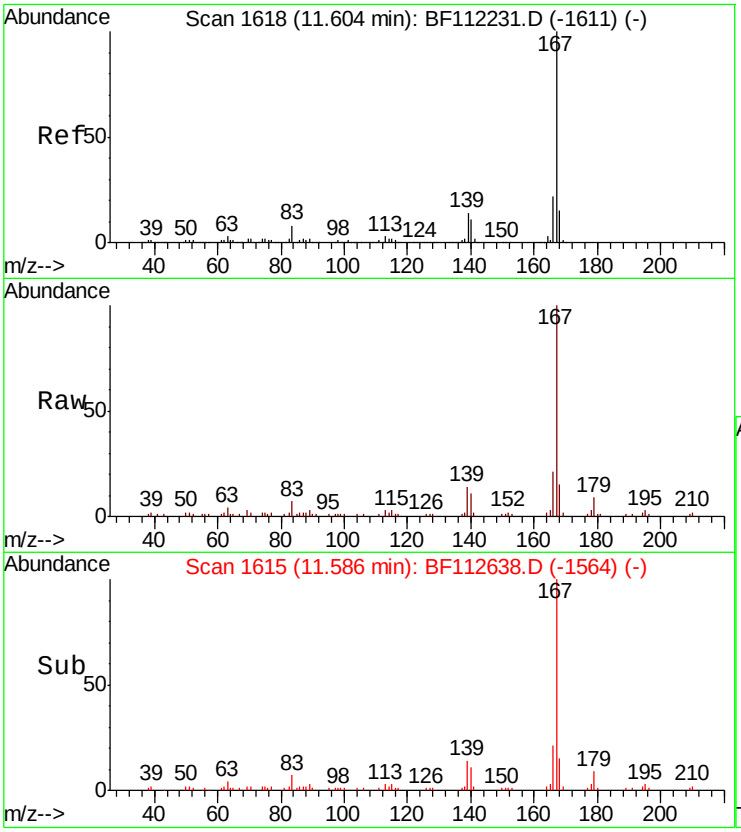


#72
Anthracene
Concen: 9.432 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:178 Resp: 140504

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	15.6	12.8	19.2

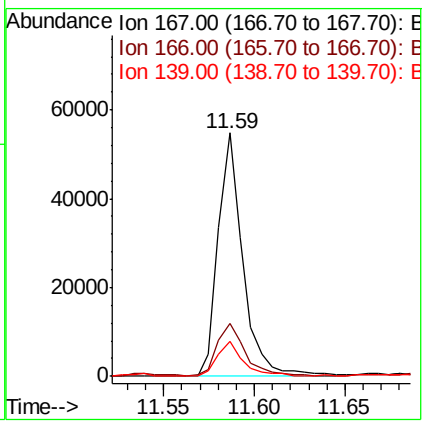




#73
Carbazole
Concen: 3.556 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:167 Resp: 52248

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.9	26.9
139	14.4	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
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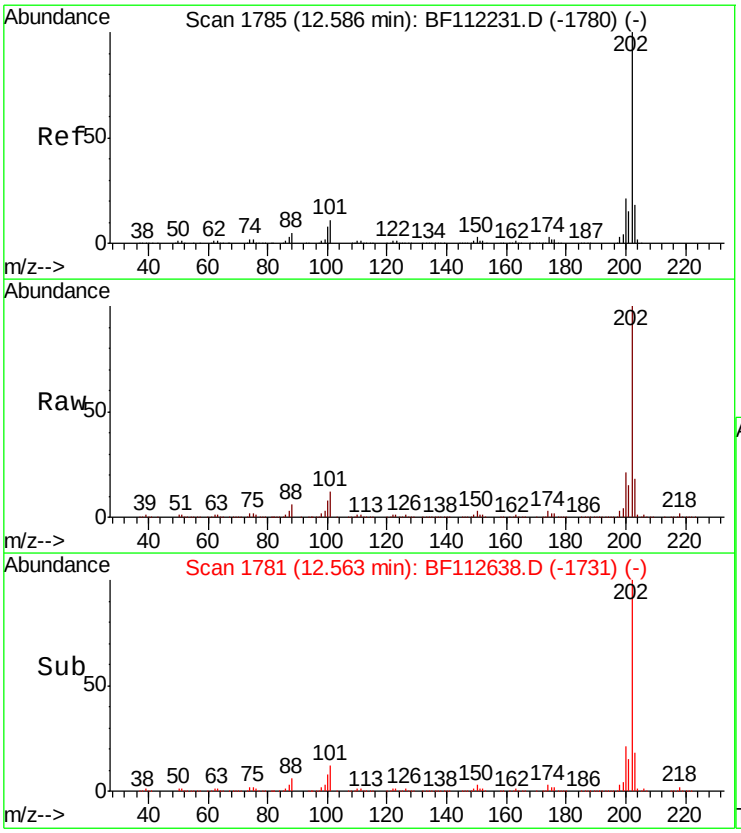
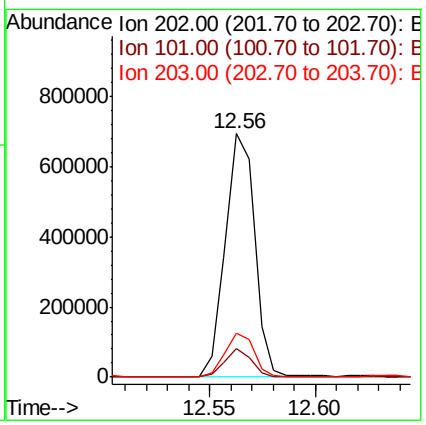
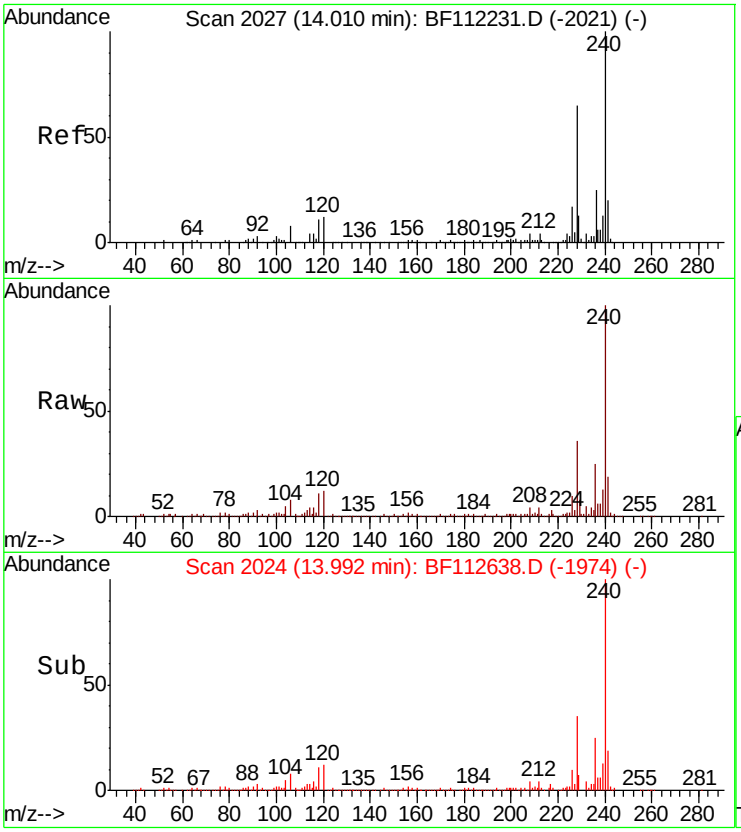


#75
Fluoranthene
Concen: 41.911 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:202 Resp: 672222

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.8
203	18.0	0.0	38.4

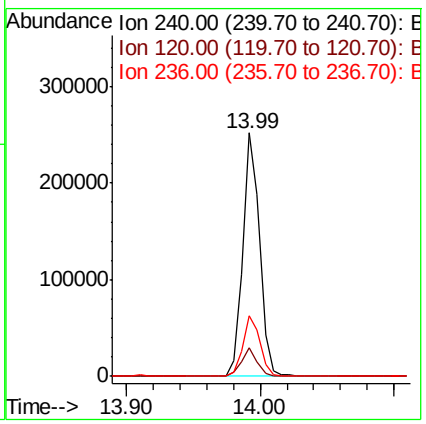




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:240 Resp: 217101

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.0	20.7	31.1



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

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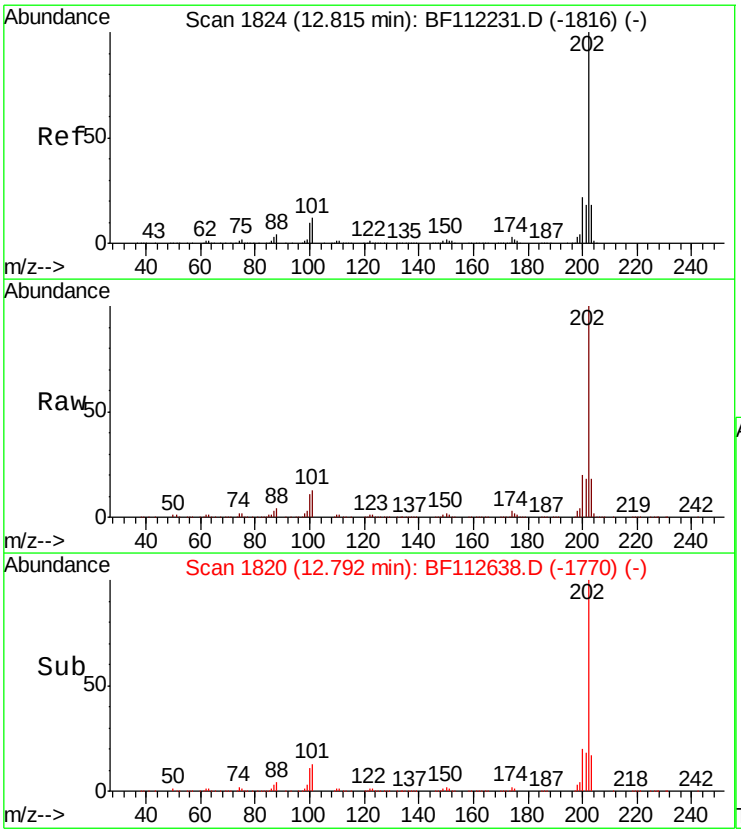
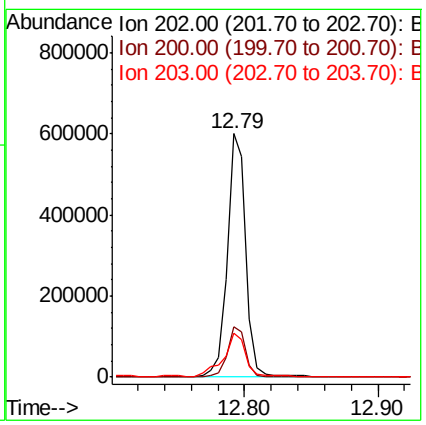
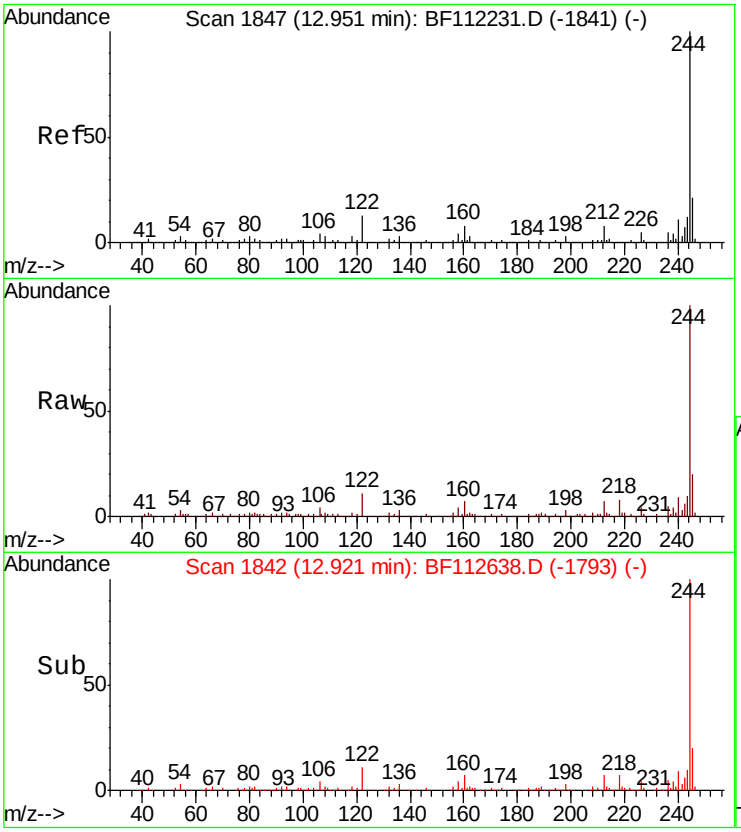


#78
Pyrene
Concen: 38.439 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:202 Resp: 577769

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	17.9	14.6	22.0

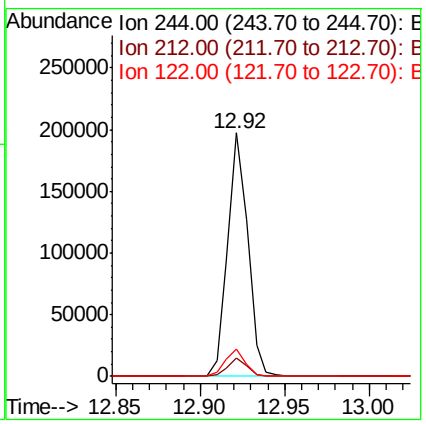




#79
Terphenyl-d14
Concen: 14.160 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:244 Resp: 163225

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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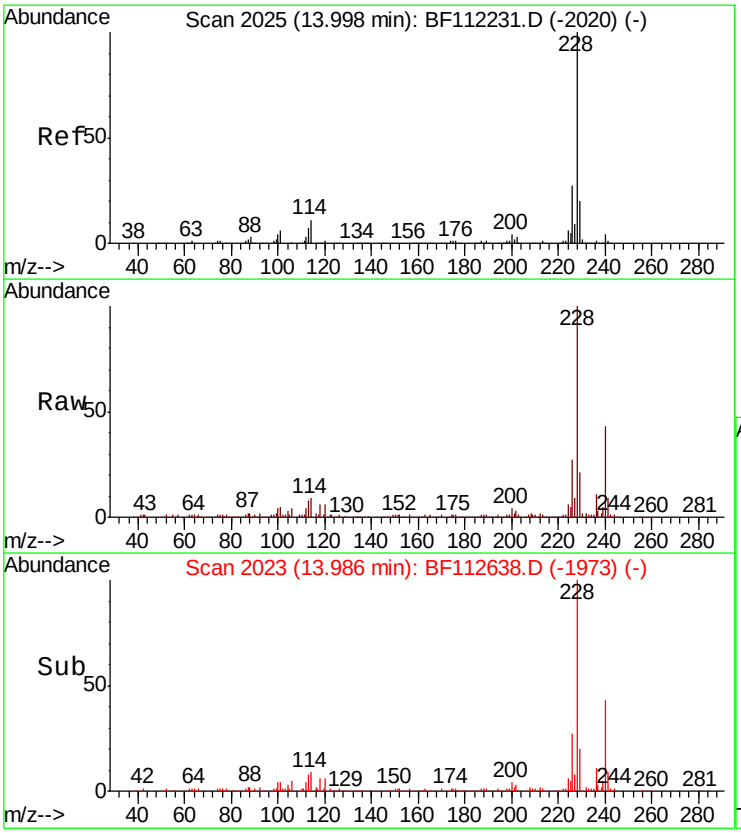
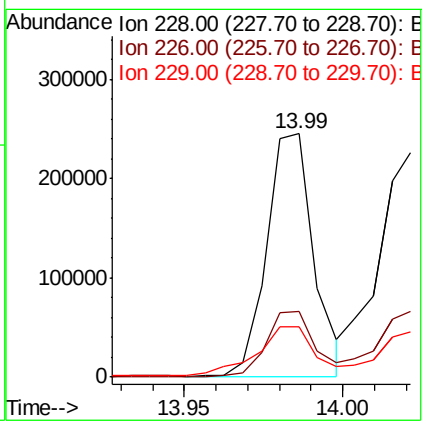
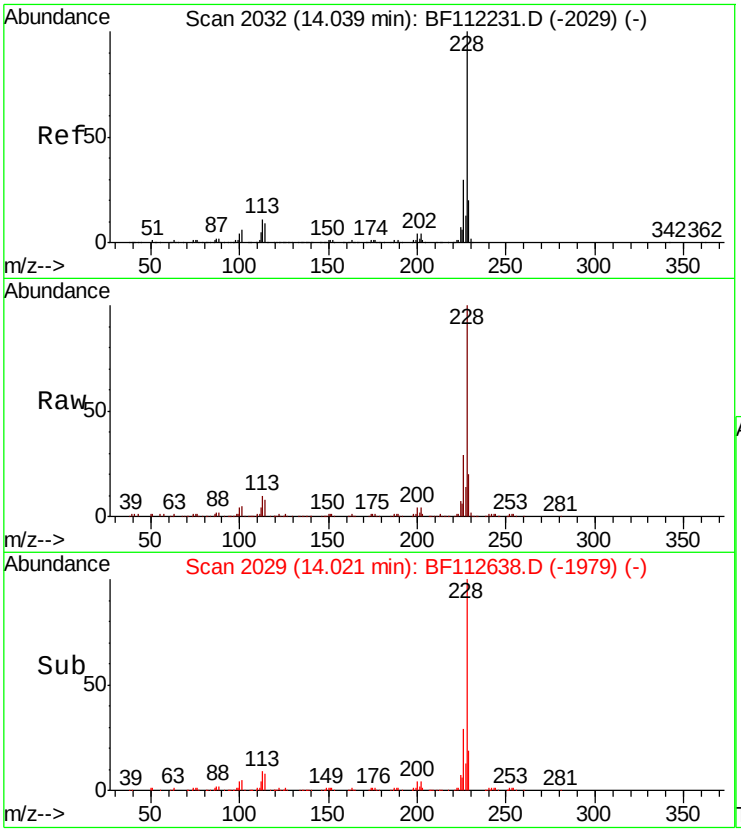


#81
Benzo(a)anthracene
Concen: 19.825 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:228 Resp: 253015

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	34.0
229	20.5	16.5	24.7





#83
Chrysene
Concen: 19.372 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:228 Resp: 235998

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	20.0	16.6	24.8

Instrument :
BNA_F
ClientSampleId :
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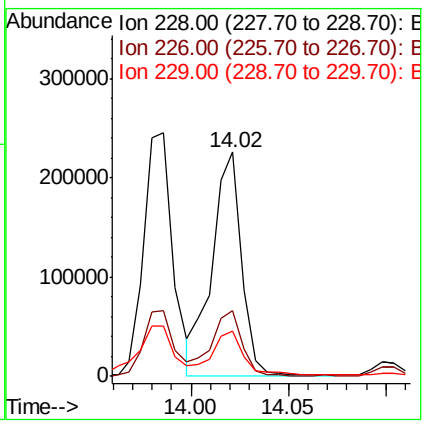
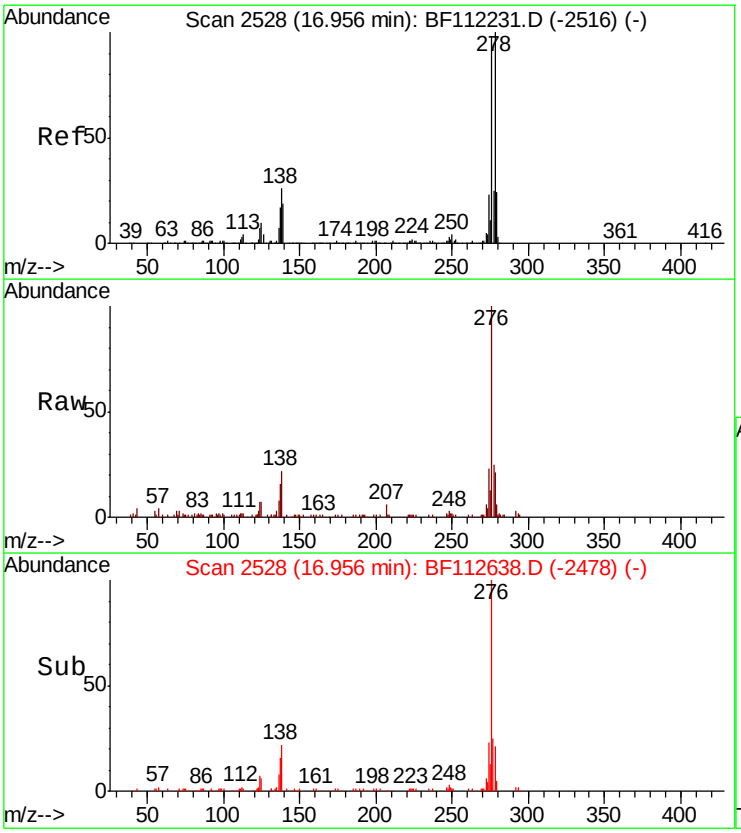
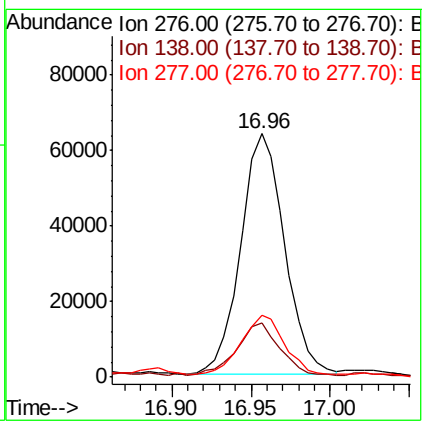


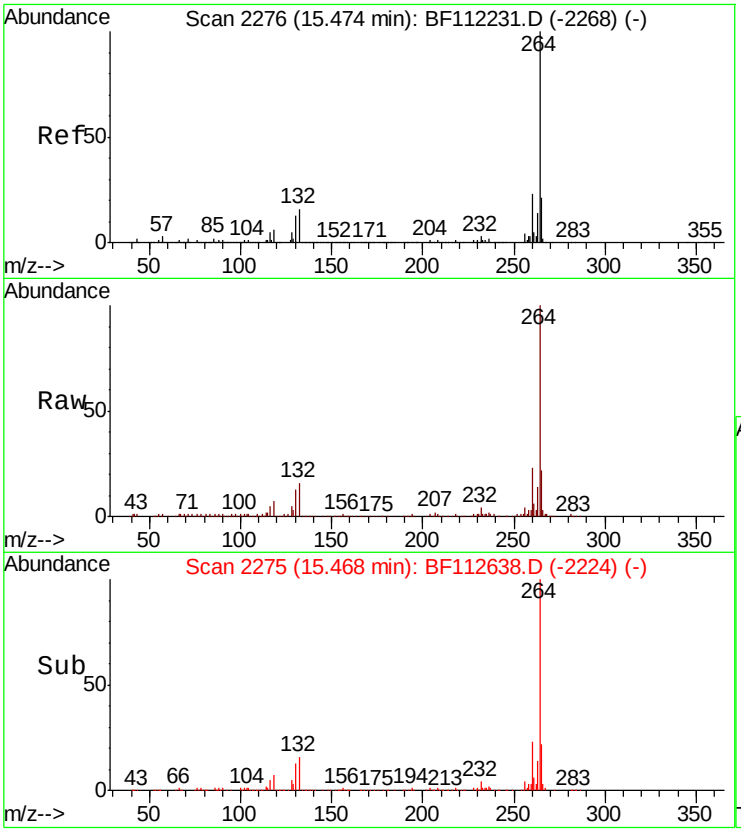


#86
Indeno(1,2,3-cd)pyrene
Concen: 12.701 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:276 Resp: 122600

Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.6	34.0#
277	26.3	20.3	30.5

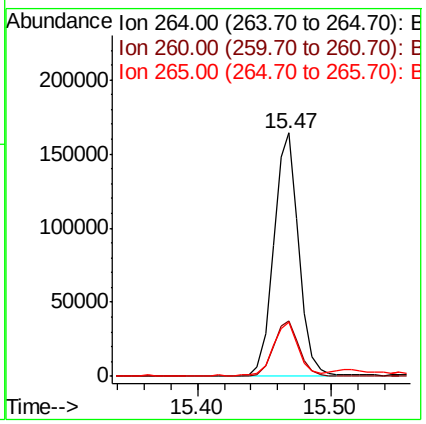




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:264 Resp: 213885

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	22.4	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
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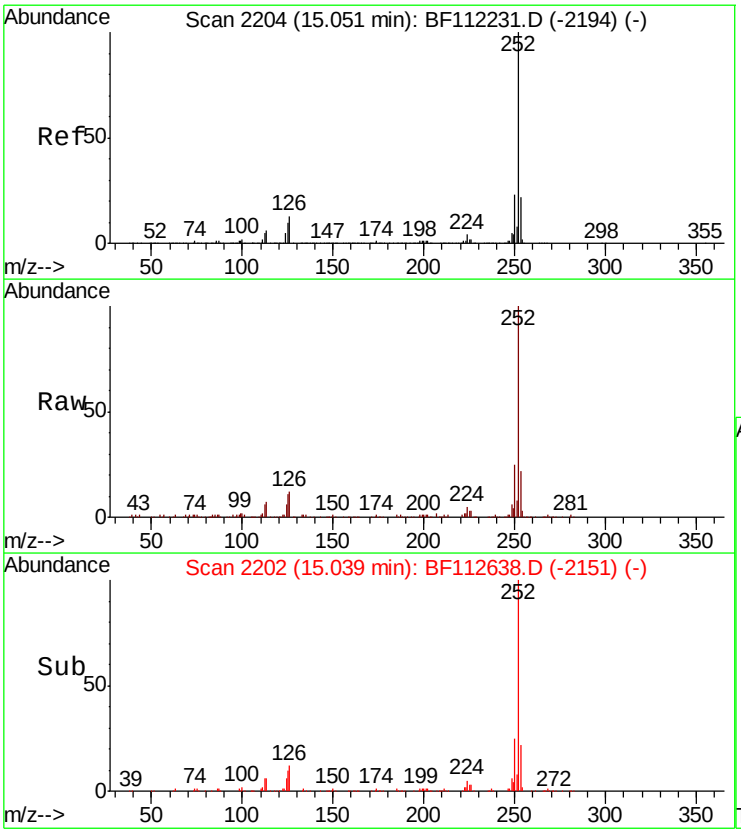
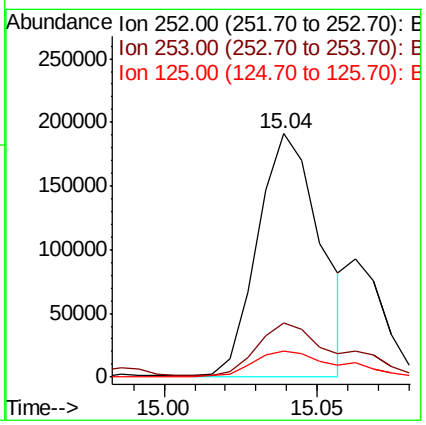
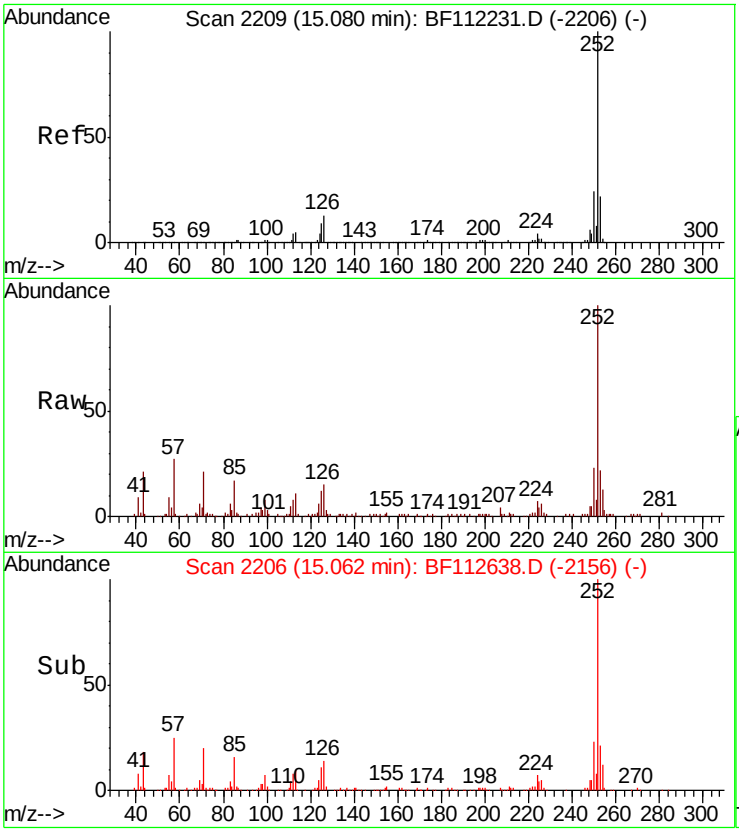


#88
Benzo(b)fluoranthene
Concen: 21.468 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:252 Resp: 274608

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.8	8.7	13.1

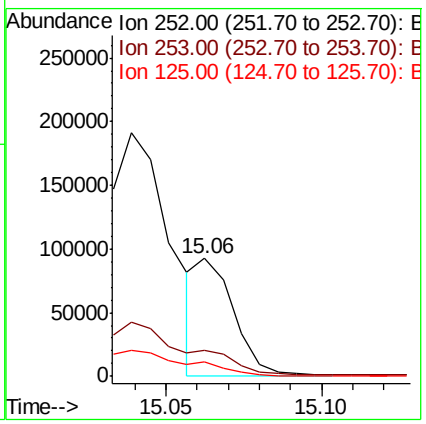




#89
Benzo(k)fluoranthene
Concen: 6.313 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:252 Resp: 77351

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	12.0	9.1	13.7



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

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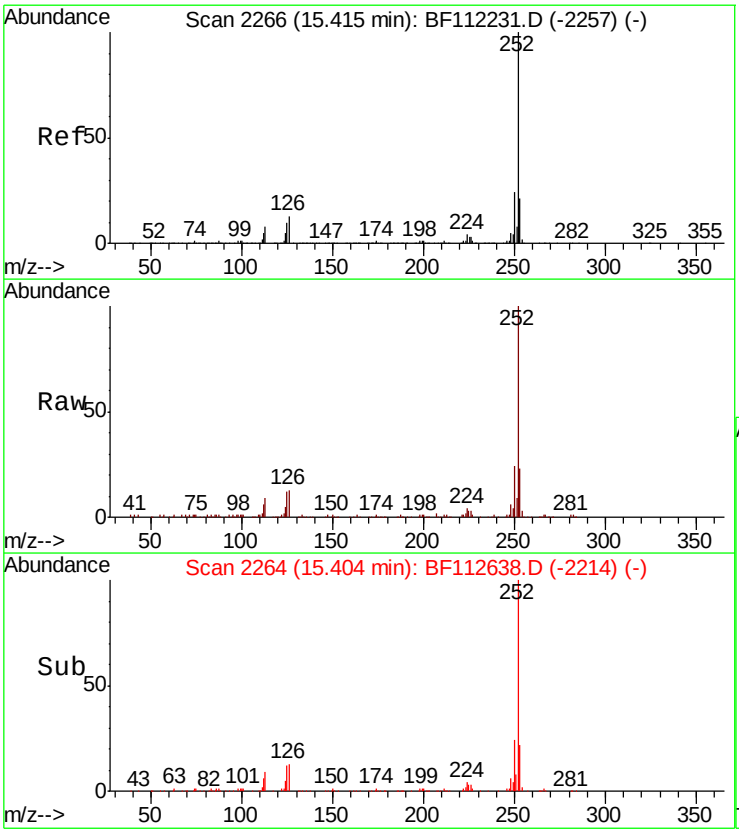
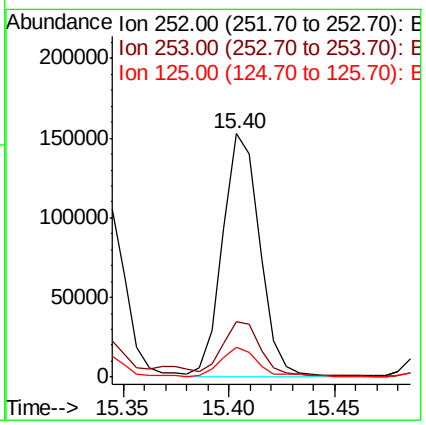
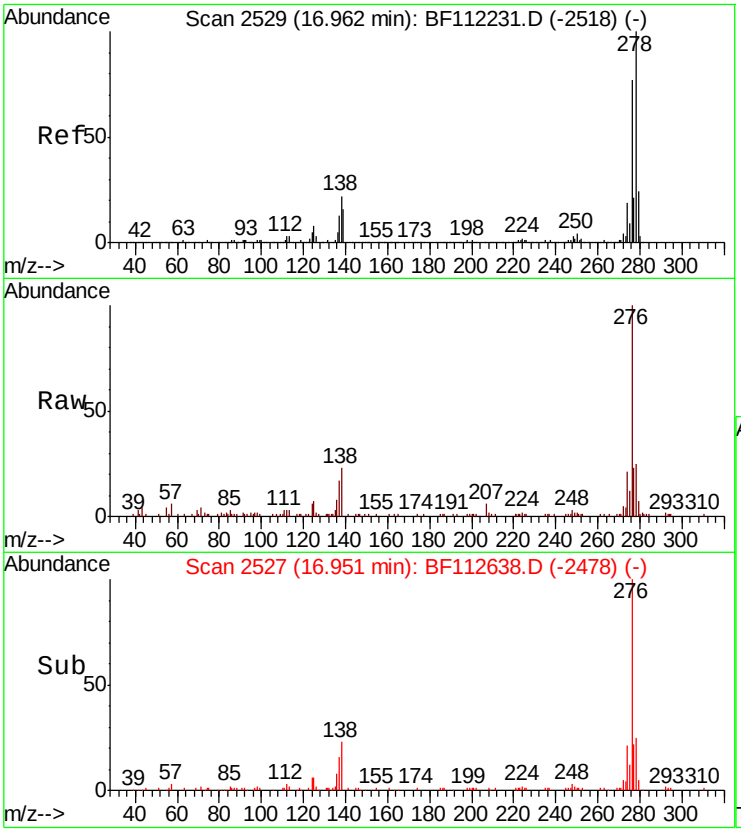


#90
Benzo(a)pyrene
Concen: 16.071 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:252 Resp: 184964

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.1	9.0	13.4





#91
Dibenzo(a,h)anthracene
Concen: 3.353 ng m
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:278 Resp: 31107

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	28.9	19.0	28.6#

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

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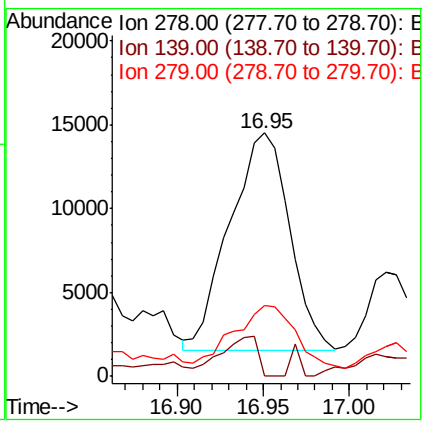

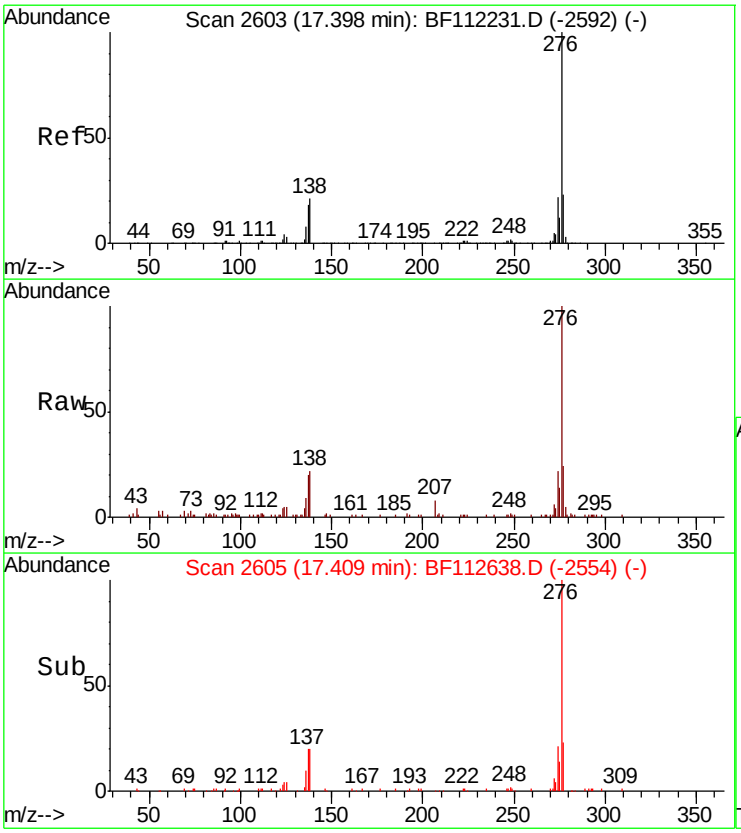

#92
Benzo(g,h,i)perylene
Concen: 13.211 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.00 min
Lab File: BF112638.D
Acq: 20 Feb 2019 13:29

Tgt Ion:276 Resp: 115616

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	22.3	19.1	28.7