Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
Data File : BF112633.D
Acq On : 19 Feb 2019 20:59
Operator : JU/SJ
Sample : K1518-03DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

Manual Integrations APPROVED
Sohil
2/20/2019 11:12:53 AM

Quant Time: Feb 20 03:56:07 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	89014	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	353749	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	169263	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	304911	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	214068	20.00	ng	-0.01
87) Perylene-d12	15.47	264	224728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	253332	60.45	ng	-0.02
7) Phenol-d6	6.47	99	323143	55.49	ng	-0.02
23) Nitrobenzene-d5	7.39	82	207686	33.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	98827	50.16	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	370727	30.98	ng	-0.03
79) Terphenyl-d14	12.93	244	310041	27.28	ng	-0.02
Target Compounds						Qvalue
58) Fluorene	10.41	166	31670	2.756	ng	91
71) Phenanthrene	11.37	178	558424	35.228	ng	97
72) Anthracene	11.43	178	132817	8.411	ng	97
73) Carbazole	11.59	167	33728	2.165	ng	95
75) Fluoranthene	12.57	202	771627	45.384	ng	97
78) Pyrene	12.80	202	650303	43.878	ng	98
81) Benzo(a)anthracene	13.99	228	324131	25.757	ng	98
83) Chrysene	14.02	228	276230	22.996	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	154332m	16.214	ng	
88) Benzo(b)fluoranthene	15.04	252	364298m	27.106	ng	
89) Benzo(k)fluoranthene	15.07	252	124191m	9.647	ng	
90) Benzo(a)pyrene	15.41	252	256284	21.193	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	39175m	4.019	ng	
92) Benzo(g,h,i)perylene	17.42	276	126524	13.760	ng	97

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

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Manual Integrations APPROVED
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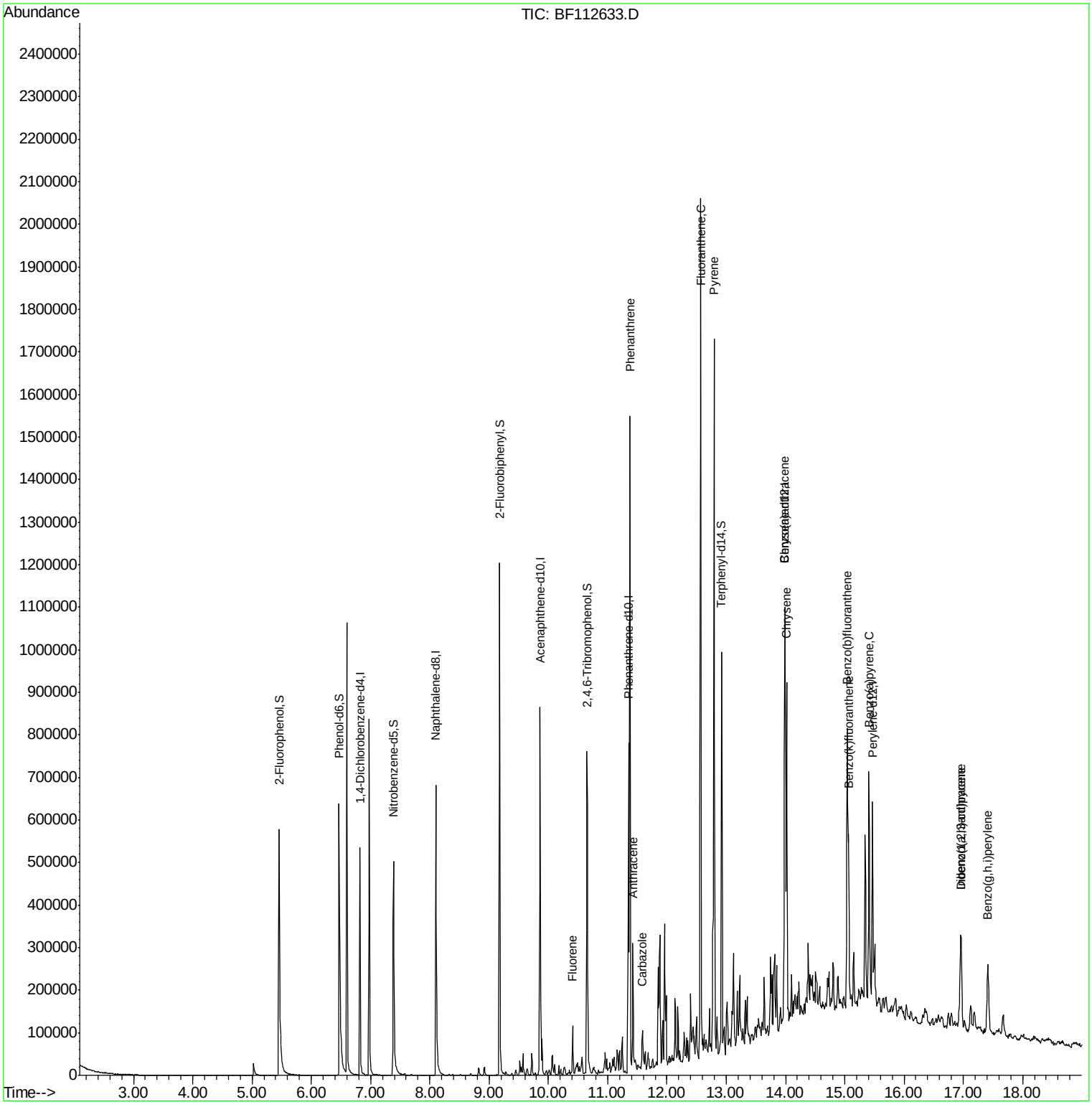
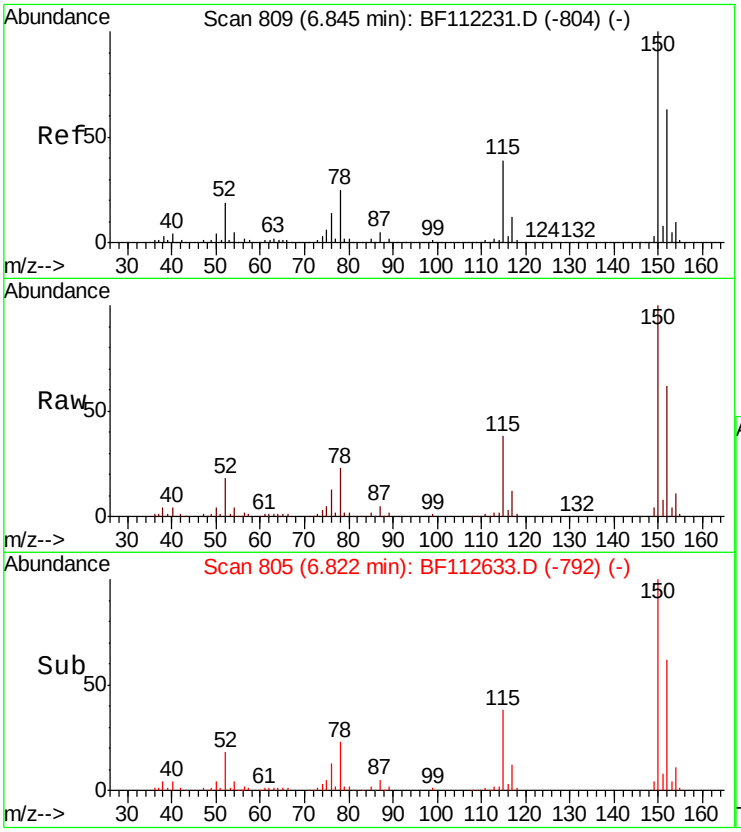
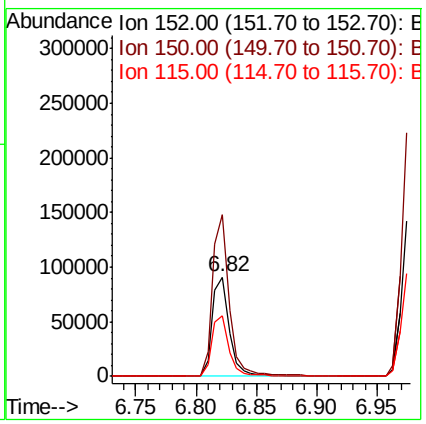




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:152 Resp: 89014

Ion	Ratio	Lower	Upper
152	100		
150	162.4	127.4	191.0
115	61.2	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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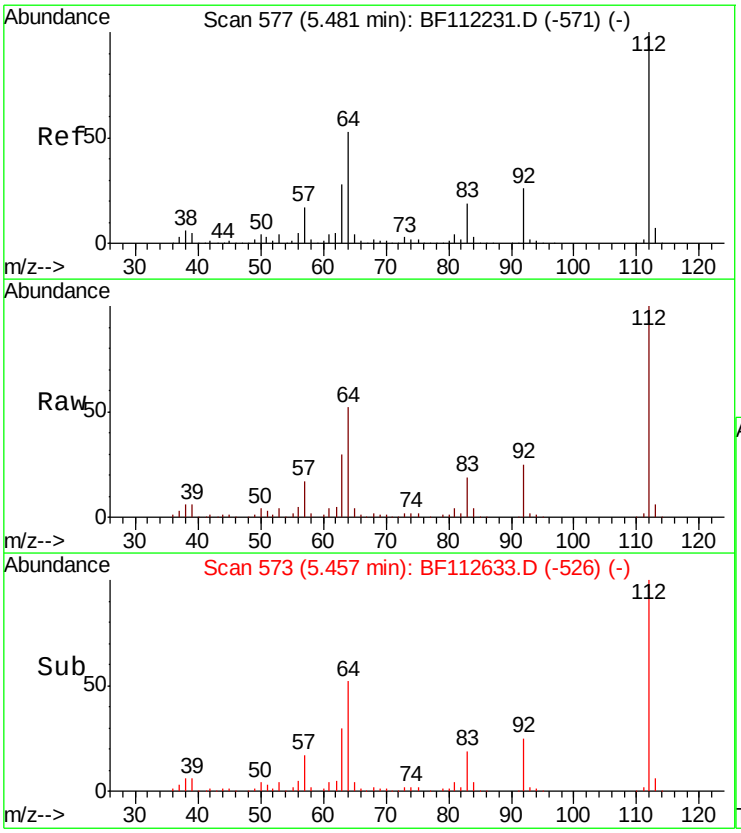
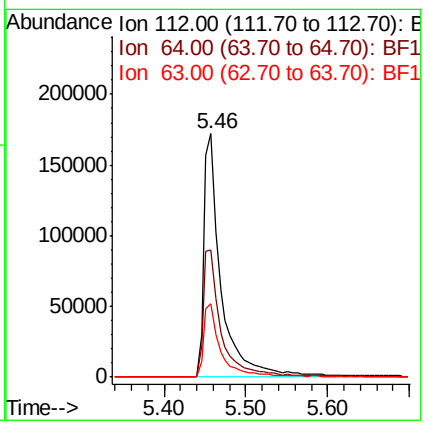
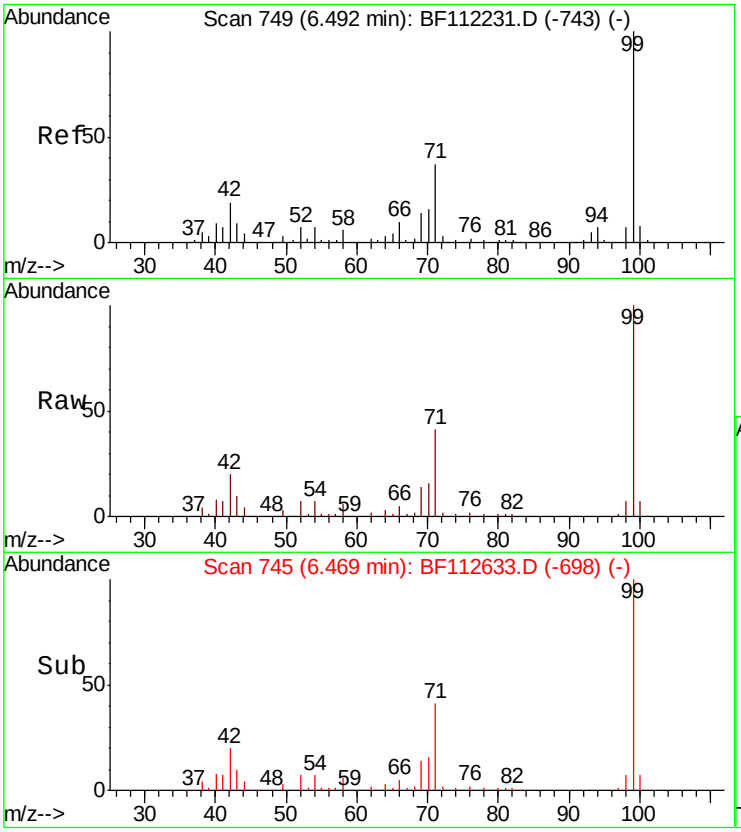


#5
2-Fluorophenol
Concen: 60.450 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:112 Resp: 253332

Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.7	68.5
63	30.2	23.6	35.4

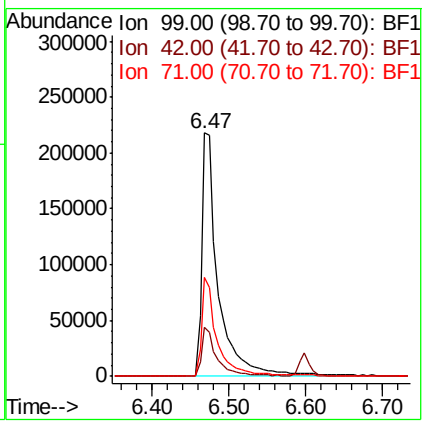




#7
Phenol-d6
Concen: 55.492 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion: 99 Resp: 323143

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.1	22.7
71	40.7	26.9	40.3#



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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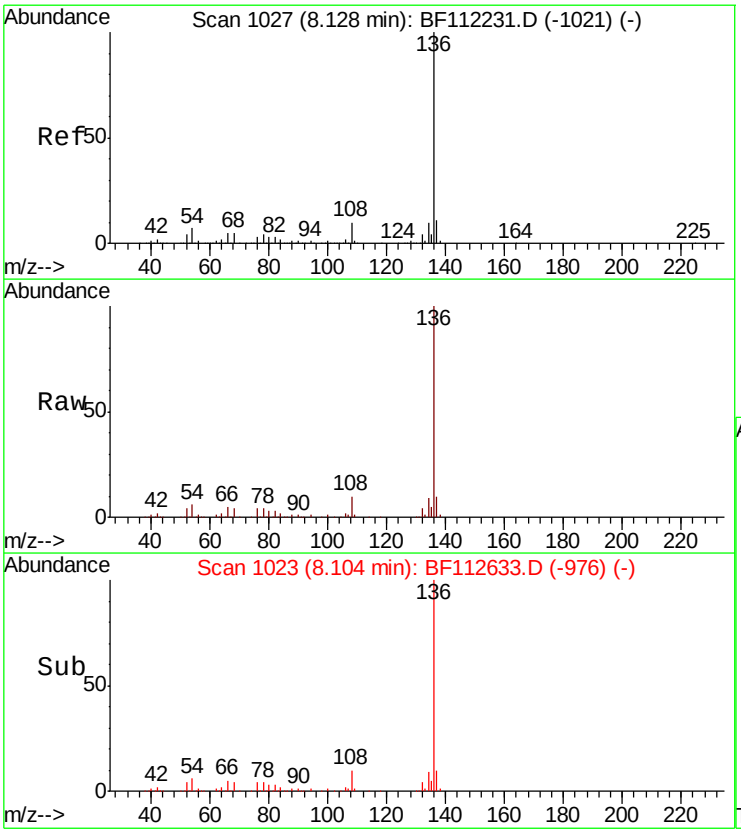
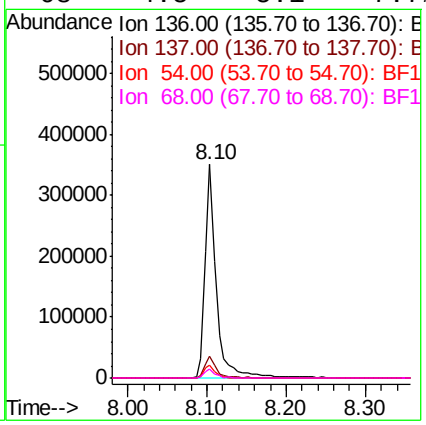
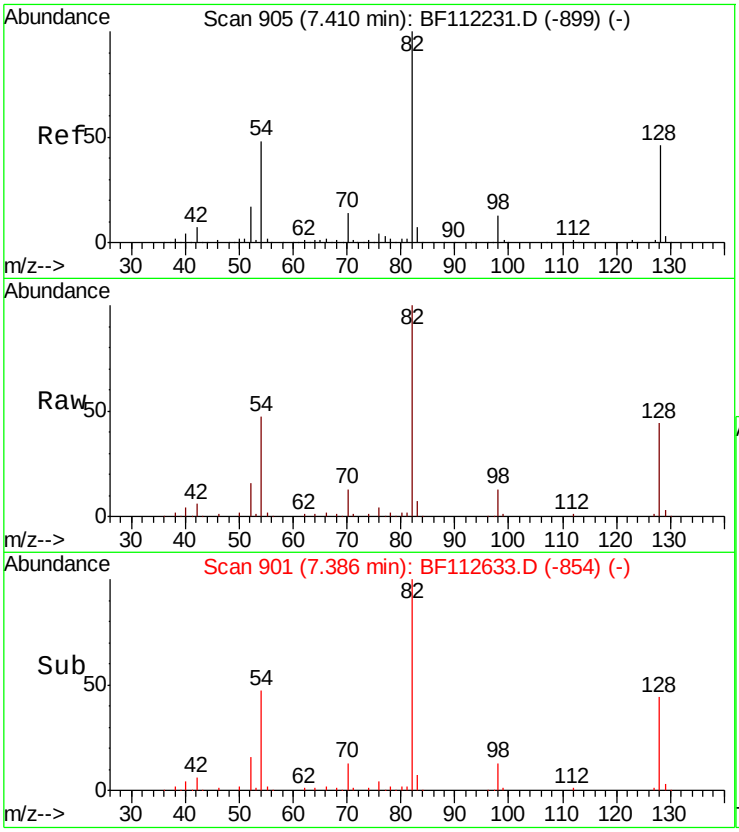


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:136 Resp: 353749

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.9	5.9	8.9#
68	4.5	5.1	7.7#

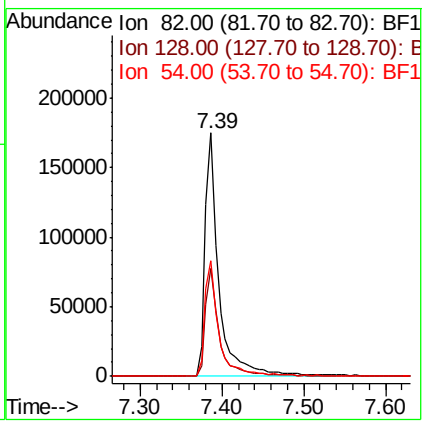




#23
Nitrobenzene-d5
Concen: 33.829 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion: 82 Resp: 207686

Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.8	56.8
54	47.2	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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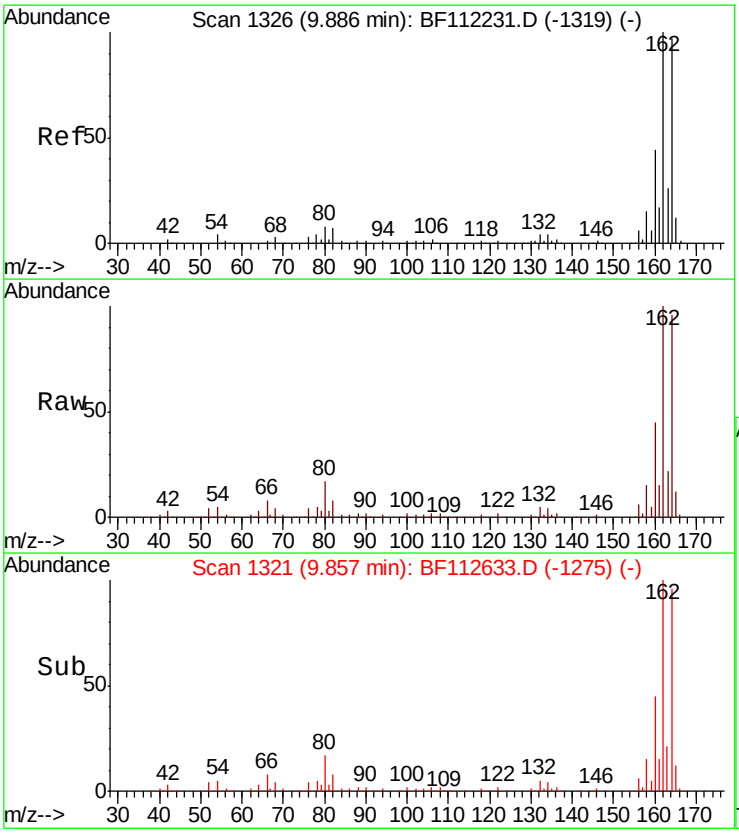
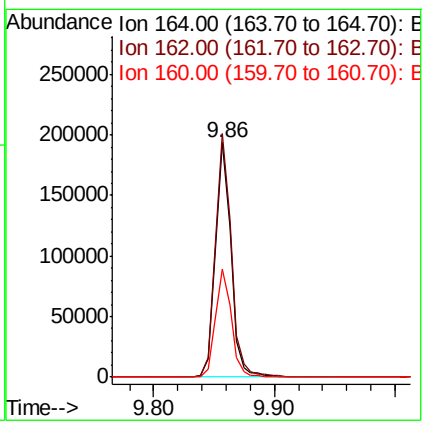
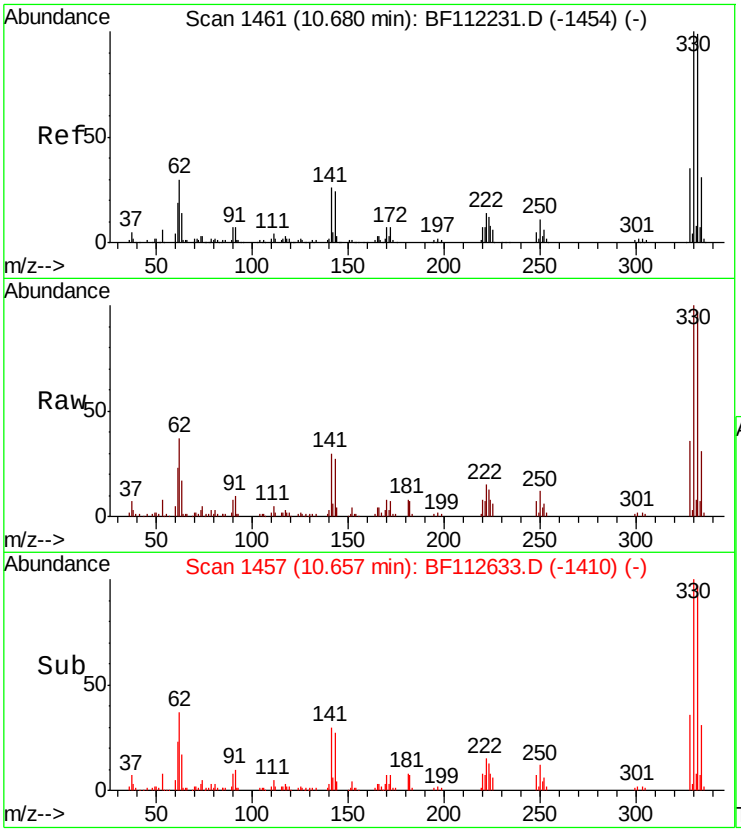


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:164 Resp: 169263

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.4
160	46.3	36.2	54.4





#42
2,4,6-Tribromophenol
Concen: 50.162 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:330 Resp: 98827

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	114.8
141	36.1	24.3	36.5

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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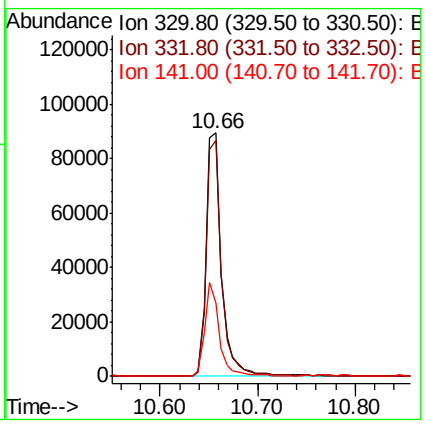
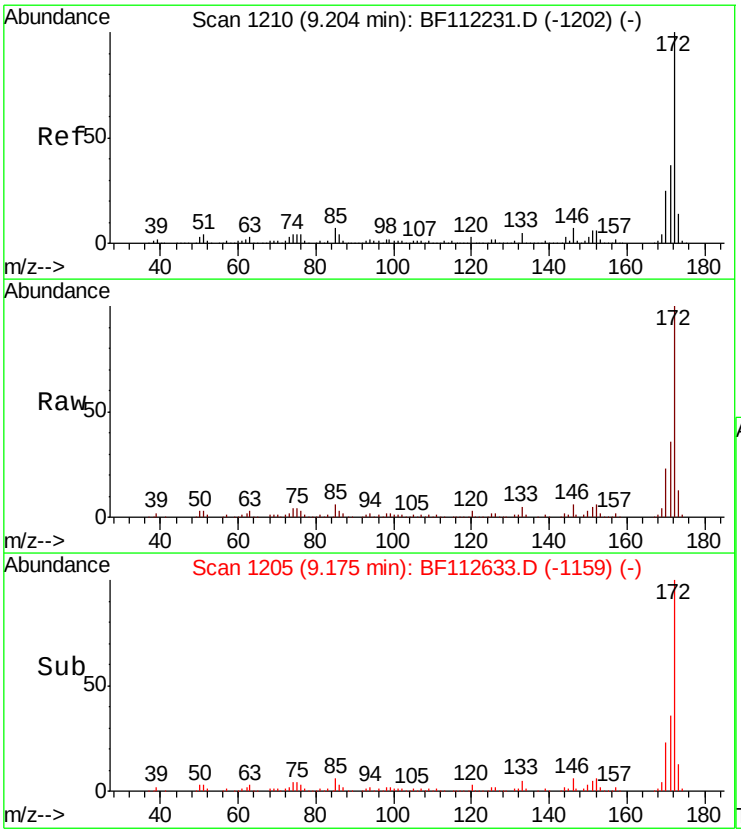
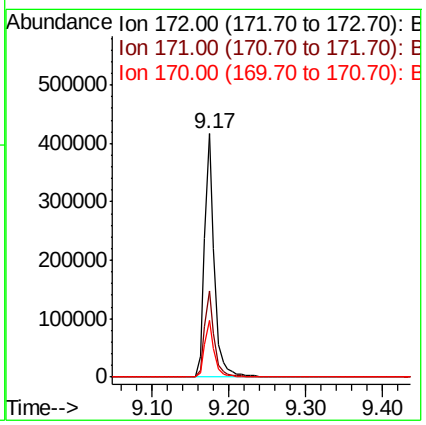


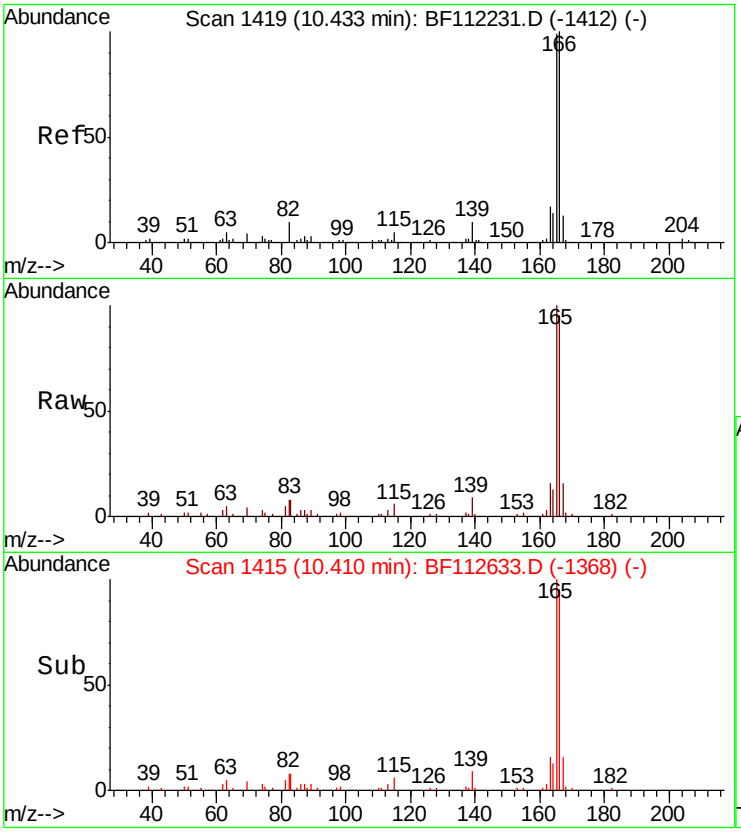


#45
2-Fluorobiphenyl
Concen: 30.977 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:172 Resp: 370727

Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.5	45.7
170	23.4	20.2	30.4

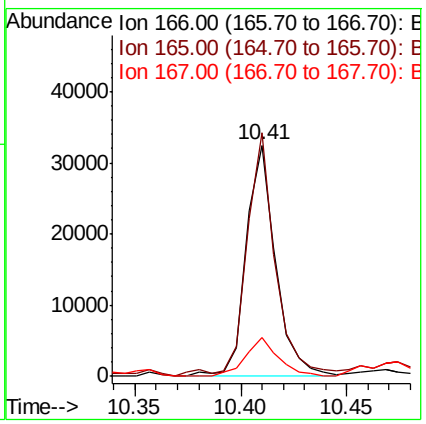




#58
Fluorene
Concen: 2.756 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:166 Resp: 31670

Ion	Ratio	Lower	Upper
166	100		
165	105.2	77.1	115.7
167	16.6	11.3	16.9



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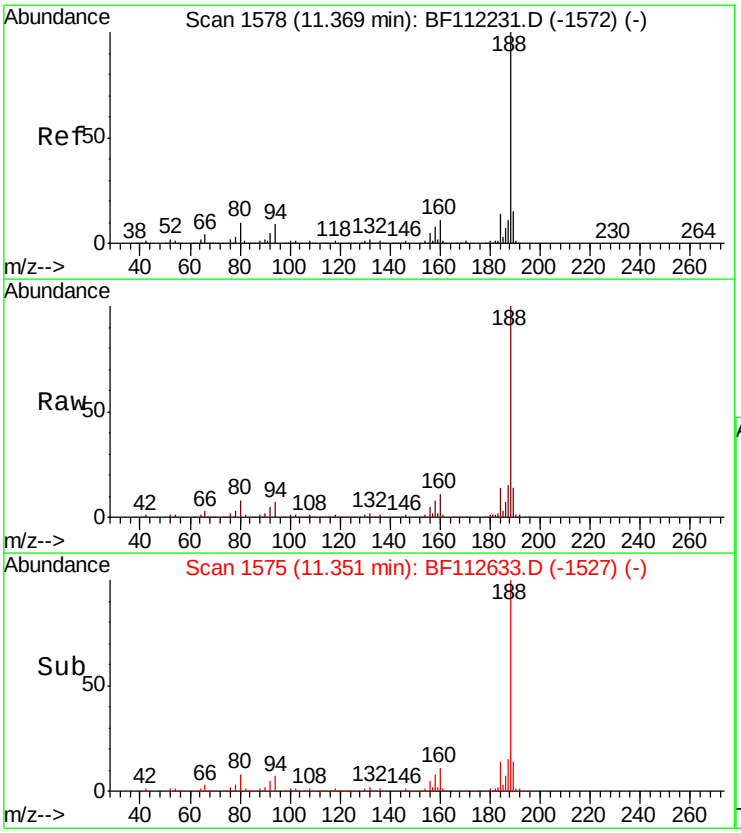
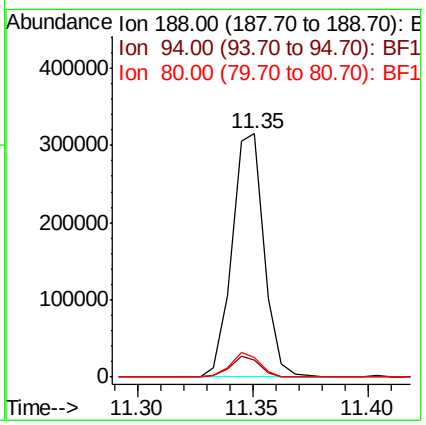
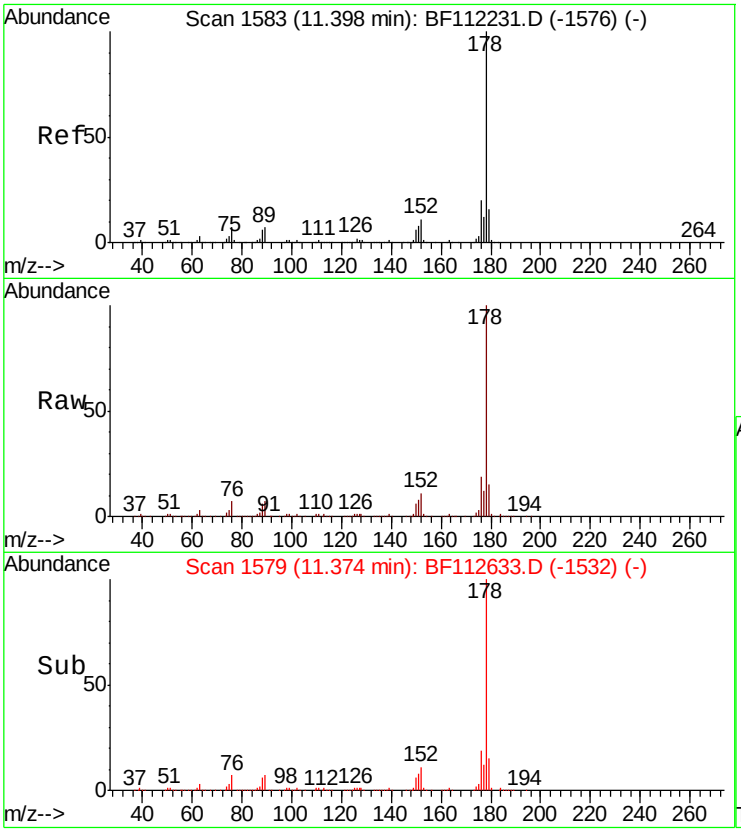


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:188 Resp: 304911

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.2	12.2#
80	7.8	8.9	13.3#

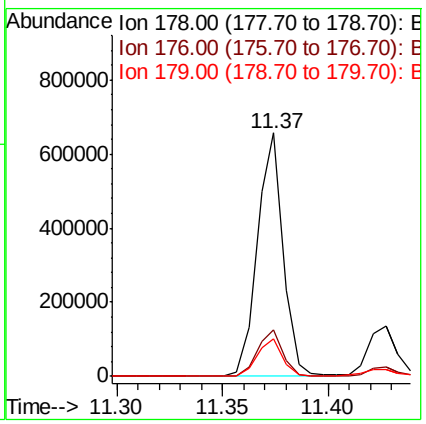




#71
Phenanthrene
Concen: 35.228 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:178 Resp: 558424

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.3	13.0	19.4



Instrument :
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ClientSampleId :
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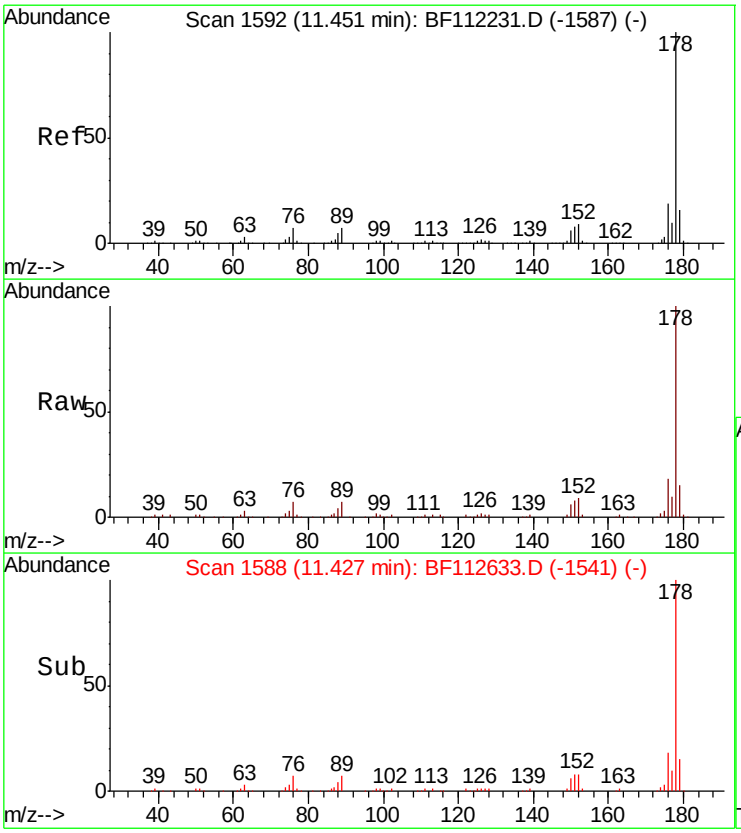
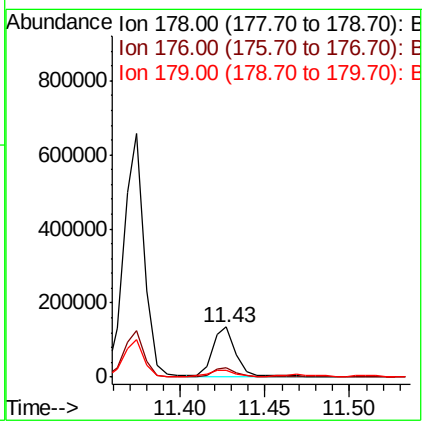
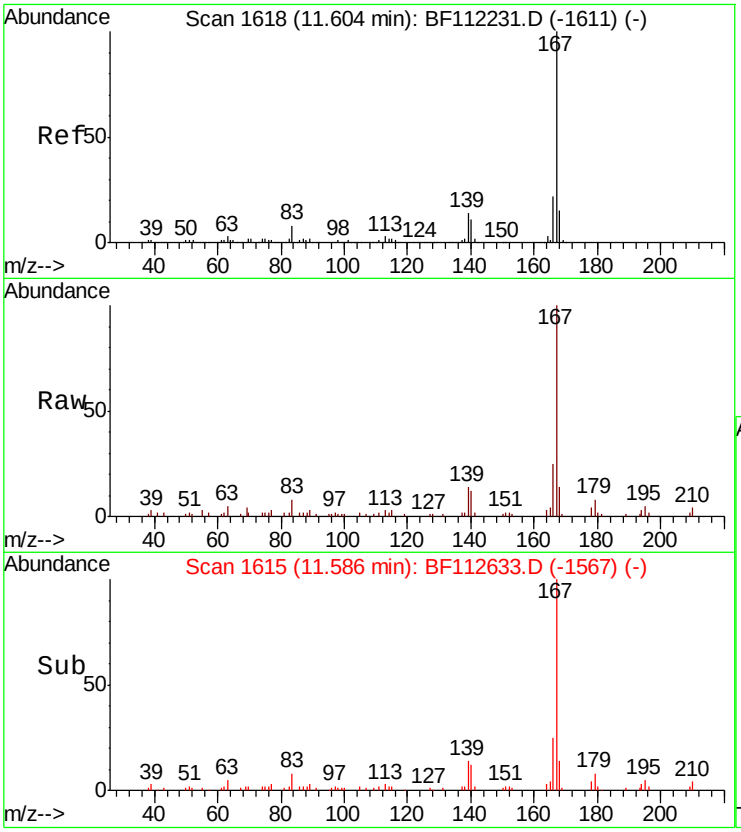


#72
Anthracene
Concen: 8.411 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:178 Resp: 132817

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.5	23.3
179	14.8	12.8	19.2

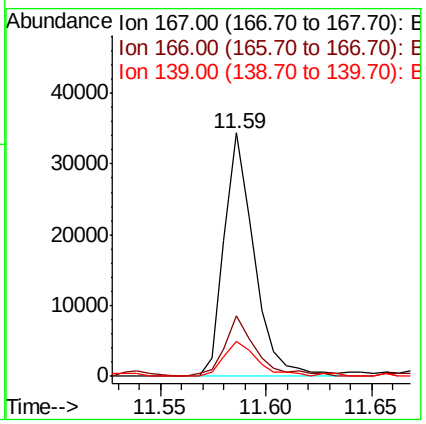




#73
Carbazole
Concen: 2.165 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:167 Resp: 33728

Ion	Ratio	Lower	Upper
167	100		
166	24.7	17.9	26.9
139	14.3	10.2	15.2



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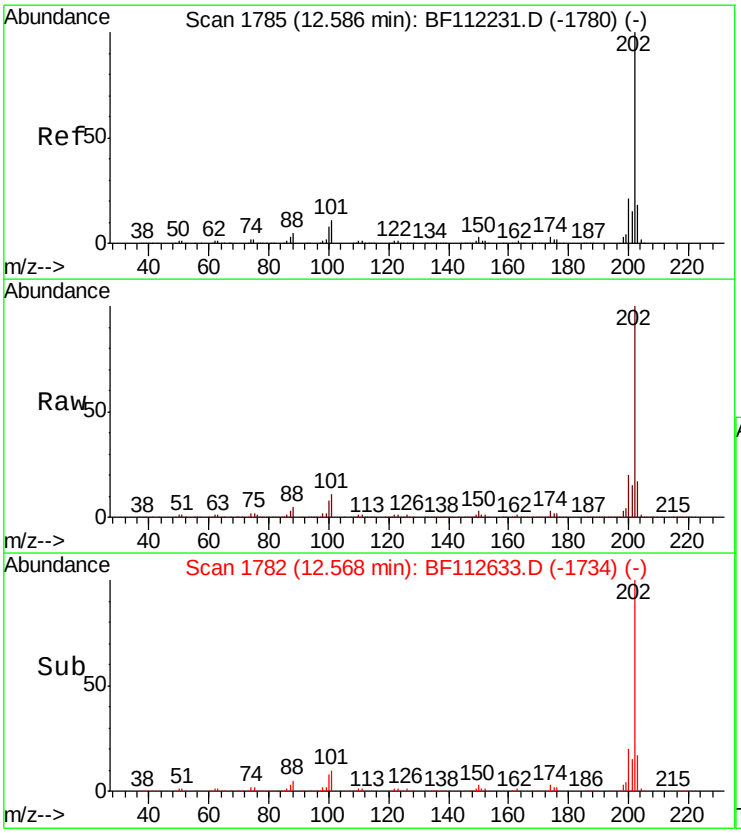
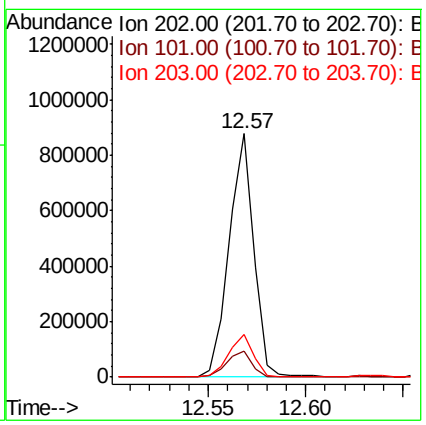
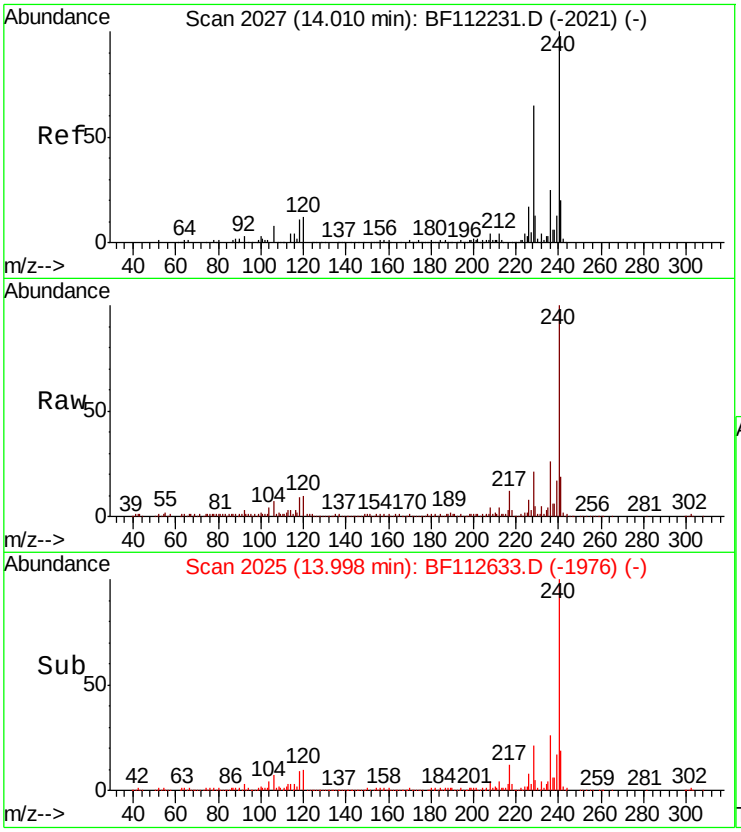


#75
Fluoranthene
Concen: 45.384 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:202 Resp: 771627

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.8
203	17.4	0.0	38.4

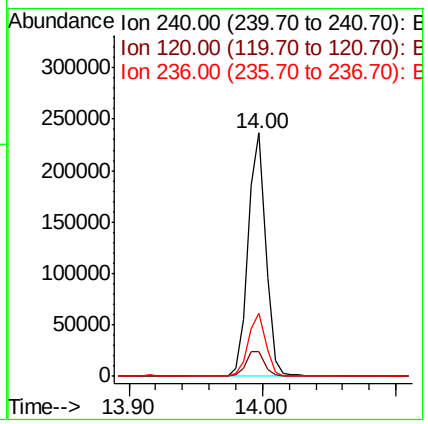




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:240 Resp: 214068

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.0	13.6
236	26.0	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

Manual Integrations APPROVED
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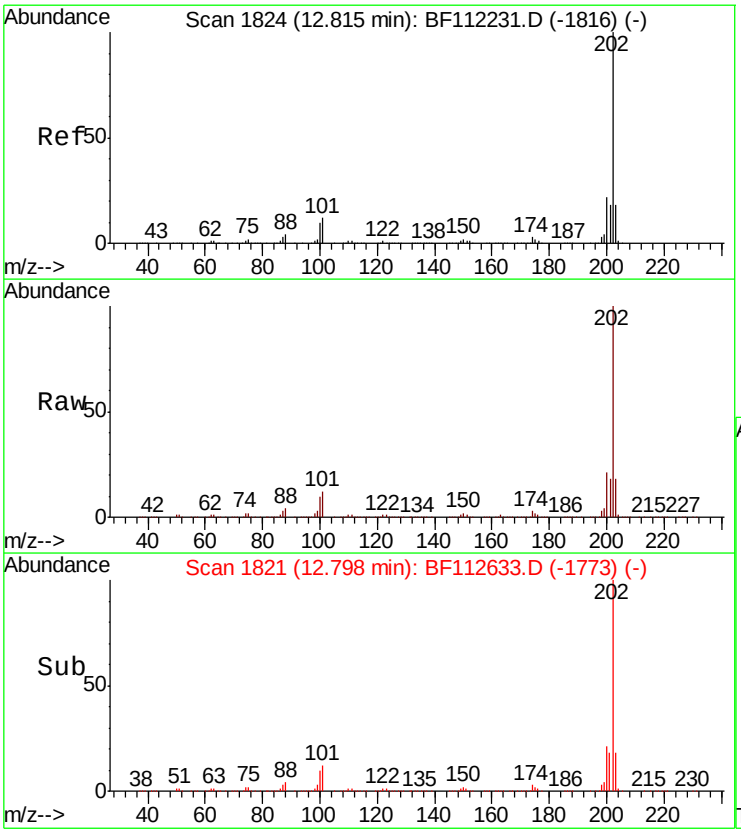
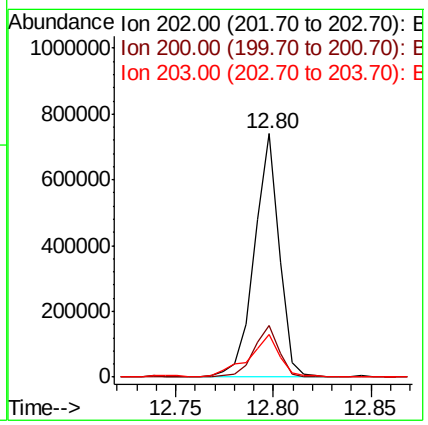
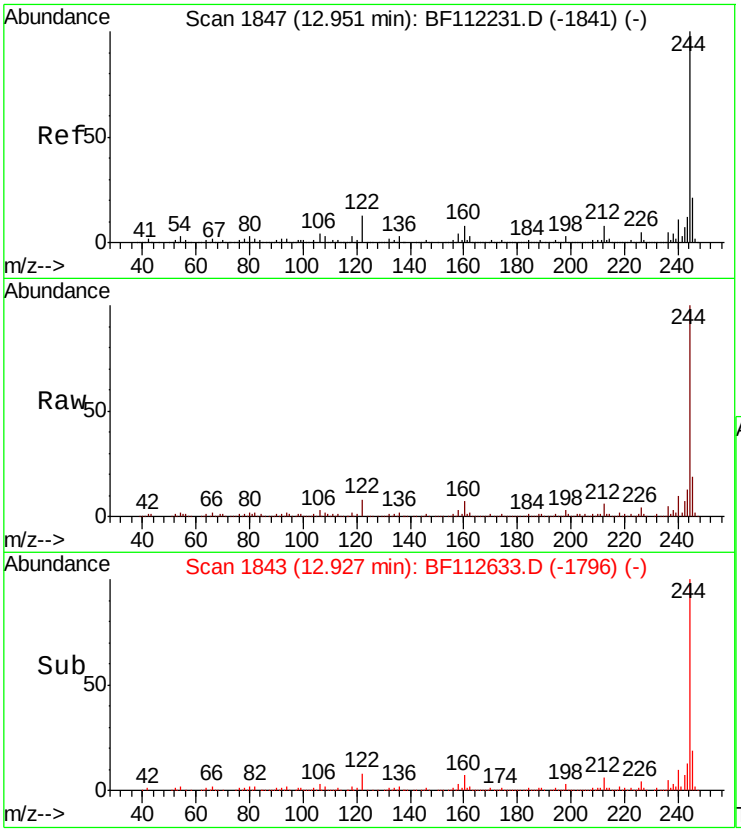


#78
Pyrene
Concen: 43.878 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:202 Resp: 650303

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.8	14.6	22.0

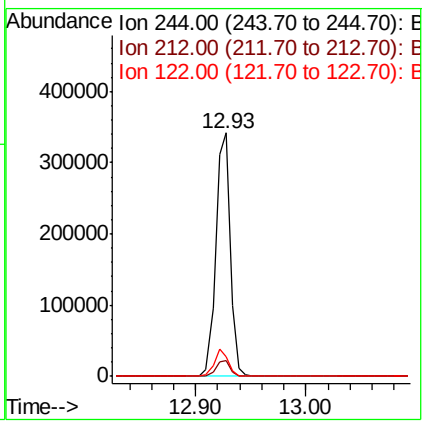




#79
Terphenyl-d14
Concen: 27.278 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:244 Resp: 310041

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.9	8.9
122	8.1	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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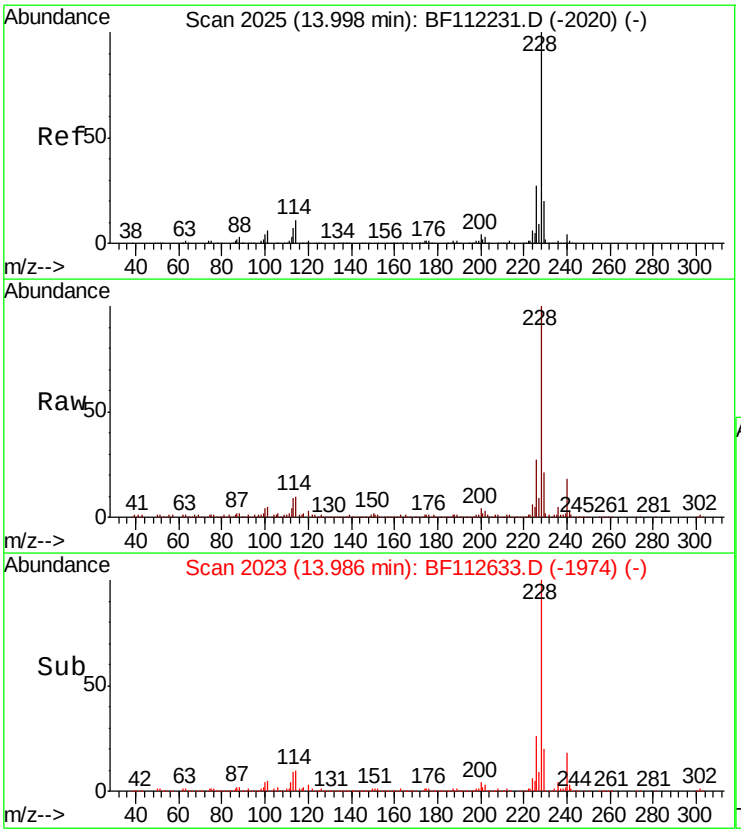
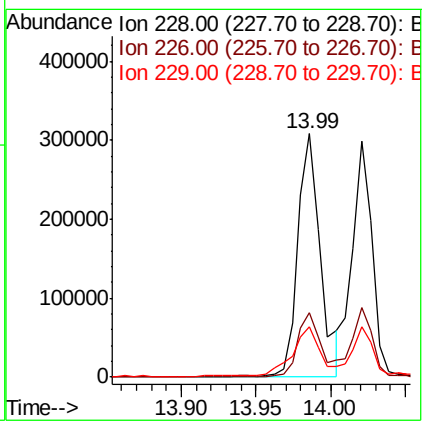
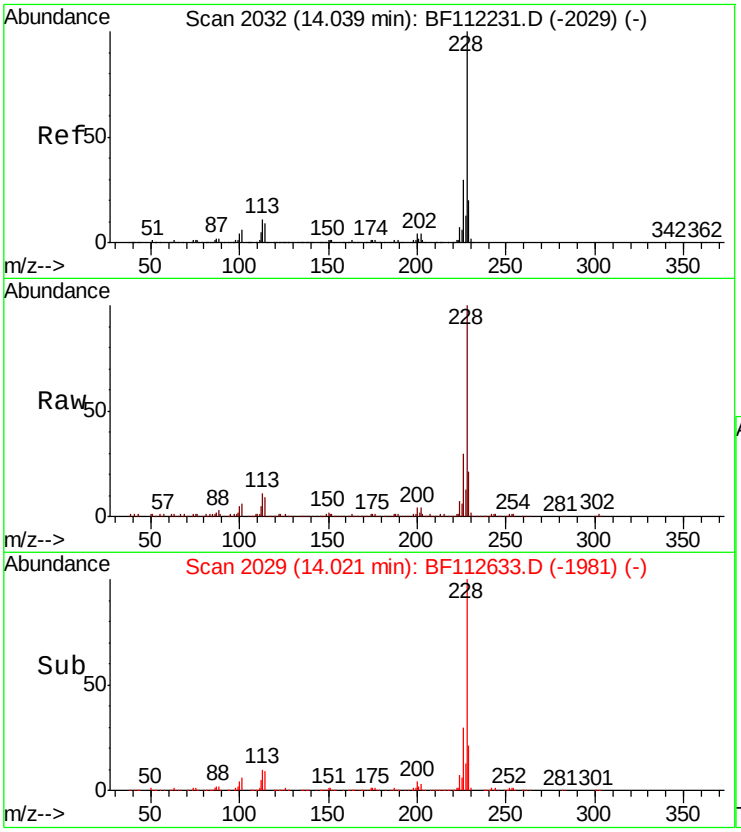


#81
Benzo(a)anthracene
Concen: 25.757 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:228 Resp: 324131

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	34.0
229	20.5	16.5	24.7

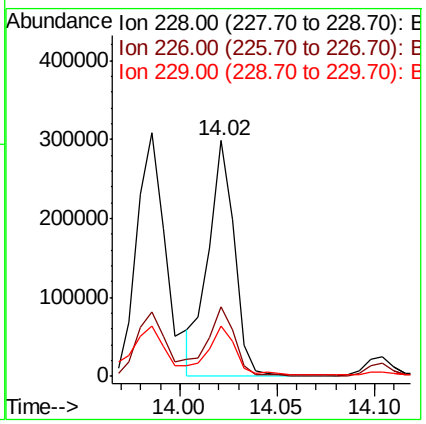




#83
Chrysene
Concen: 22.996 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:228 Resp: 276230

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.2	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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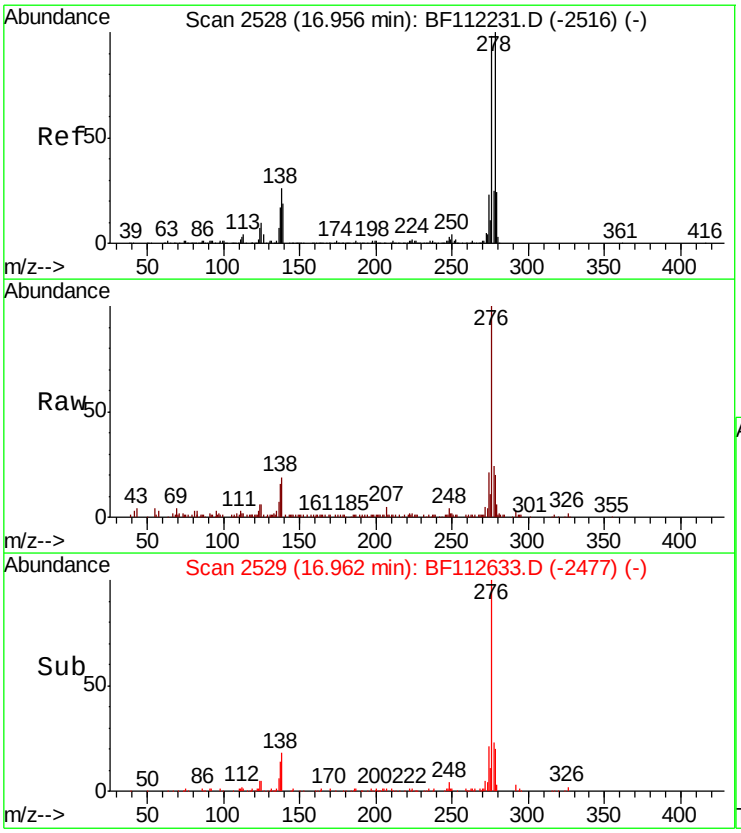
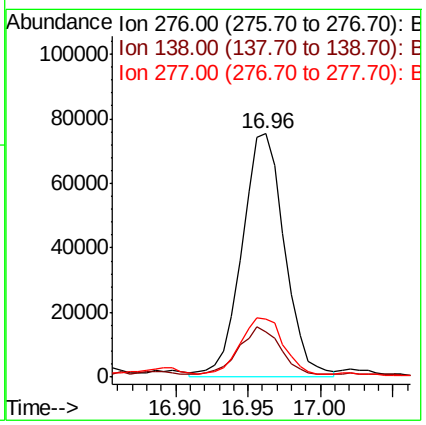
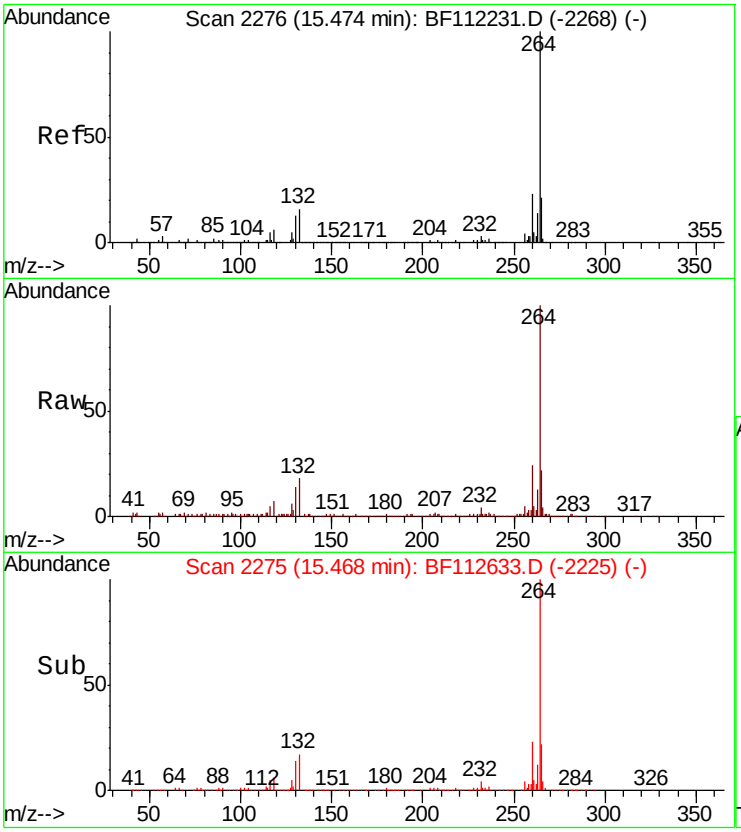


#86
Indeno(1,2,3-cd)pyrene
Concen: 16.214 ng m
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:276 Resp: 154332

Ion	Ratio	Lower	Upper
276	100		
138	2.9	22.6	34.0#
277	3.2	20.3	30.5#

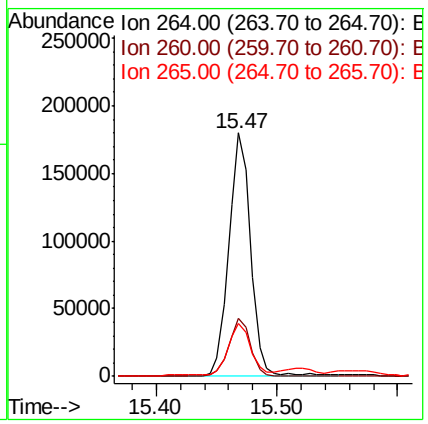




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:264 Resp: 224728

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	21.8	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
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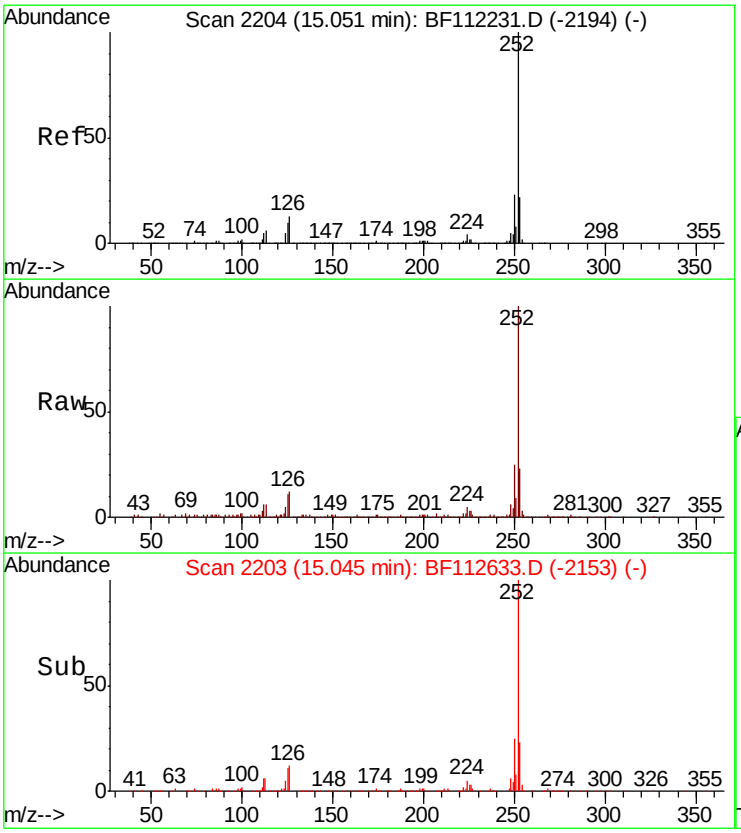
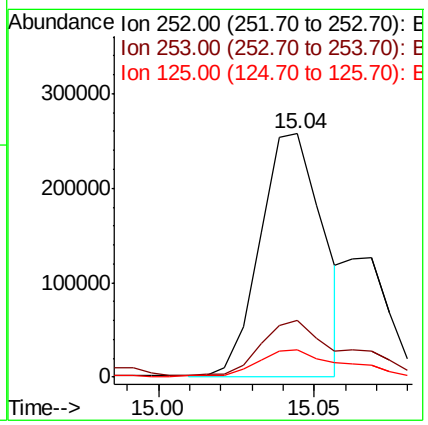
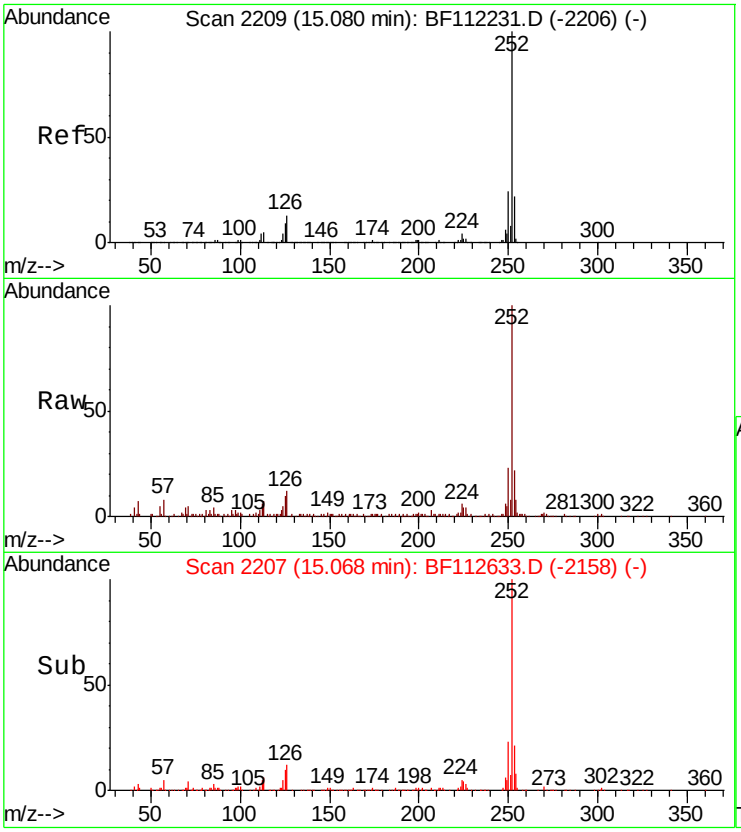


#88
Benzo(b)fluoranthene
Concen: 27.106 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:252 Resp: 364298

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.0	8.7	13.1

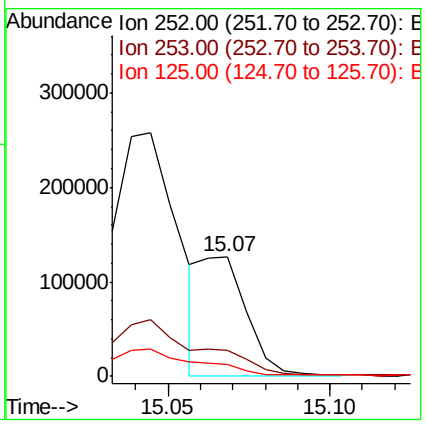




#89
Benzo(k)fluoranthene
Concen: 9.647 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:252 Resp: 124191

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.3	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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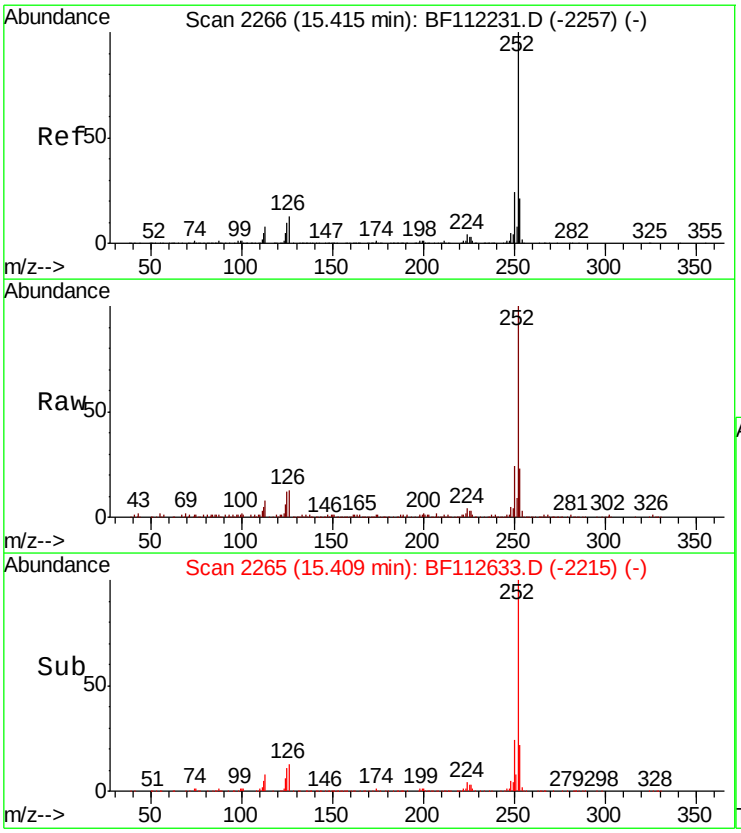
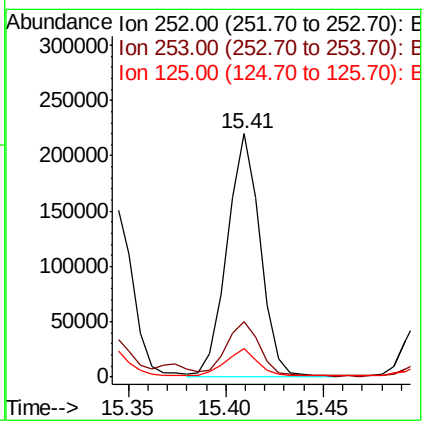
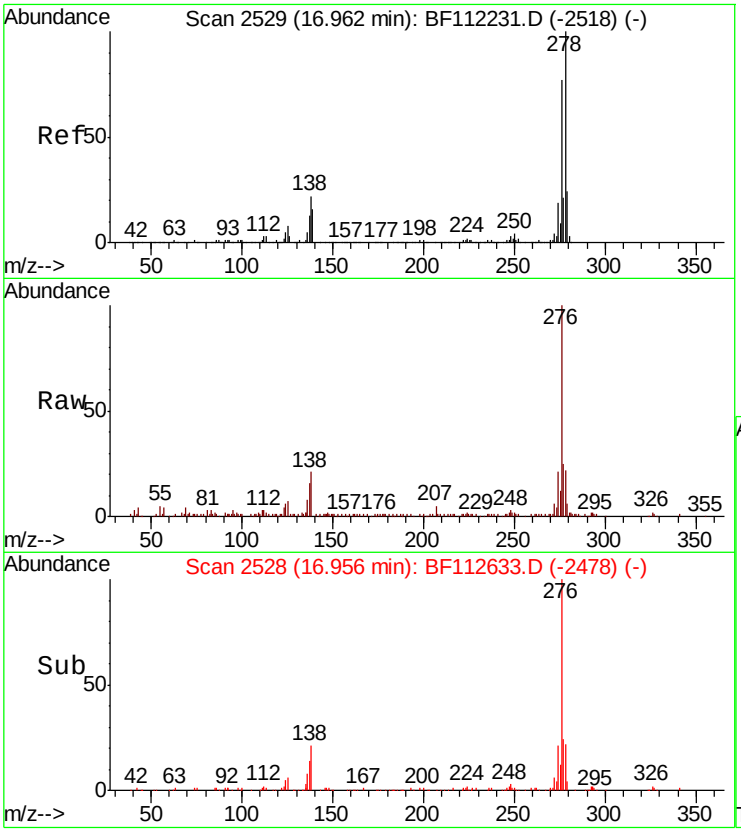


#90
Benzo(a)pyrene
Concen: 21.193 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:252 Resp: 256284

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.8	9.0	13.4





#91
Dibenzo(a,h)anthracene
Concen: 4.019 ng m
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:278 Resp: 39175

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	29.0	19.0	28.6#

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

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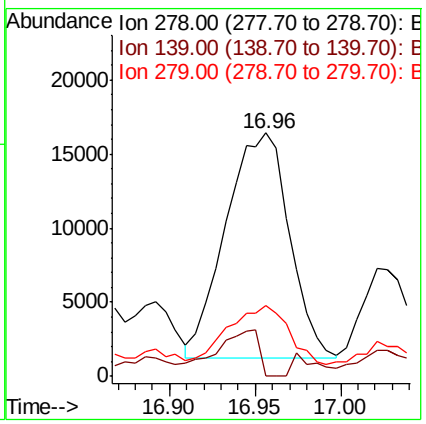

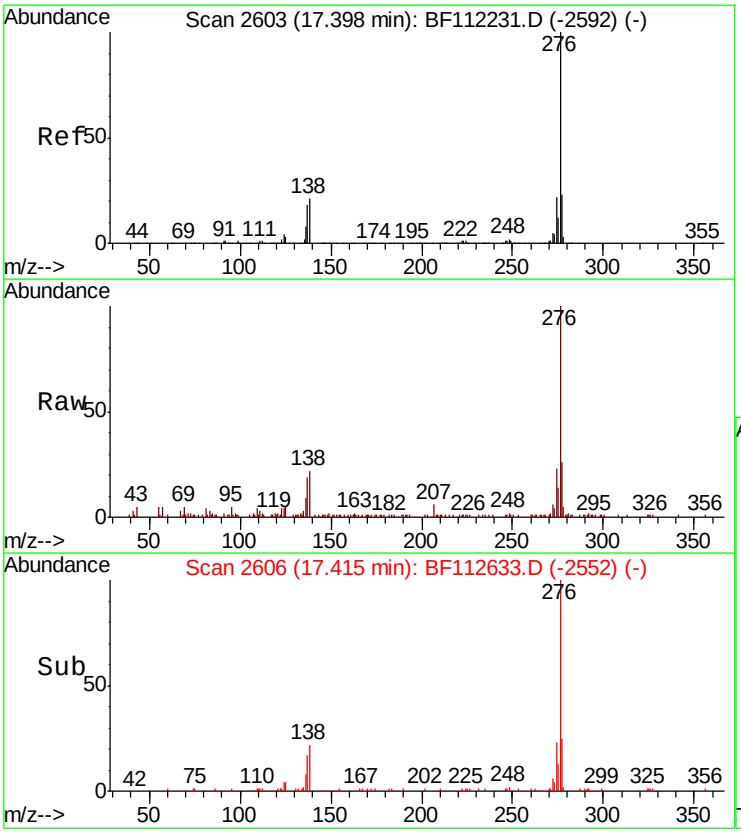

#92
Benzo(g,h,i)perylene
Concen: 13.760 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.02 min
Lab File: BF112633.D
Acq: 19 Feb 2019 20:59

Tgt Ion:276 Resp: 126524

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.4	29.0
138	22.2	19.1	28.7