Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
Data File : BF112688.D
Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

Manual Integrations APPROVED
Sohil
2/26/2019 2:39:04 PM

Quant Time: Feb 25 23:58:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 25 14:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67682	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	266408	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	117840	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	189965	20.00	ng	0.00
76) Chrysene-d12	13.98	240	174248	20.00	ng	0.00
87) Perylene-d12	15.46	264	173607	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	409743	128.59	ng	0.00
7) Phenol-d6	6.48	99	529290	119.54	ng	-0.01
23) Nitrobenzene-d5	7.38	82	322746	69.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	124042	90.43	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	496716	59.62	ng	0.00
79) Terphenyl-d14	12.91	244	370266	40.02	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.50	94	16257	3.347	ng	# 77
31) Naphthalene	8.12	128	341627	27.421	ng	99
37) 2-Methylnaphthalene	8.81	142	80423	9.430	ng	# 94
38) 1-Methylnaphthalene	8.91	142	41181	5.038	ng	92
46) 1,1'-Biphenyl	9.27	154	26347	2.557	ng	97
49) Acenaphthylene	9.72	152	25890	2.211	ng	96
50) Dimethylphthalate	9.56	163	44143	4.821	ng	99
52) Acenaphthene	9.88	154	96223	13.756	ng	98
55) Dibenzofuran	10.06	168	124045	11.605	ng	94
58) Fluorene	10.40	166	145388	18.176	ng	95
71) Phenanthrene	11.36	178	662189	67.050	ng	97
72) Anthracene	11.42	178	105502	10.724	ng	98
73) Carbazole	11.58	167	34241	3.528	ng	98
75) Fluoranthene	12.56	202	494772	46.709	ng	96
78) Pyrene	12.79	202	376222	31.186	ng	97
81) Benzo(a)anthracene	13.97	228	169485	16.546	ng	97
83) Chrysene	14.01	228	105589	10.799	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	33801	4.363	ng	95
88) Benzo(b)fluoranthene	15.03	252	138770m	13.366	ng	
89) Benzo(k)fluoranthene	15.05	252	43357m	4.360	ng	
90) Benzo(a)pyrene	15.40	252	83320	8.919	ng	98
92) Benzo(g,h,i)perylene	17.40	276	30424	4.283	ng	95

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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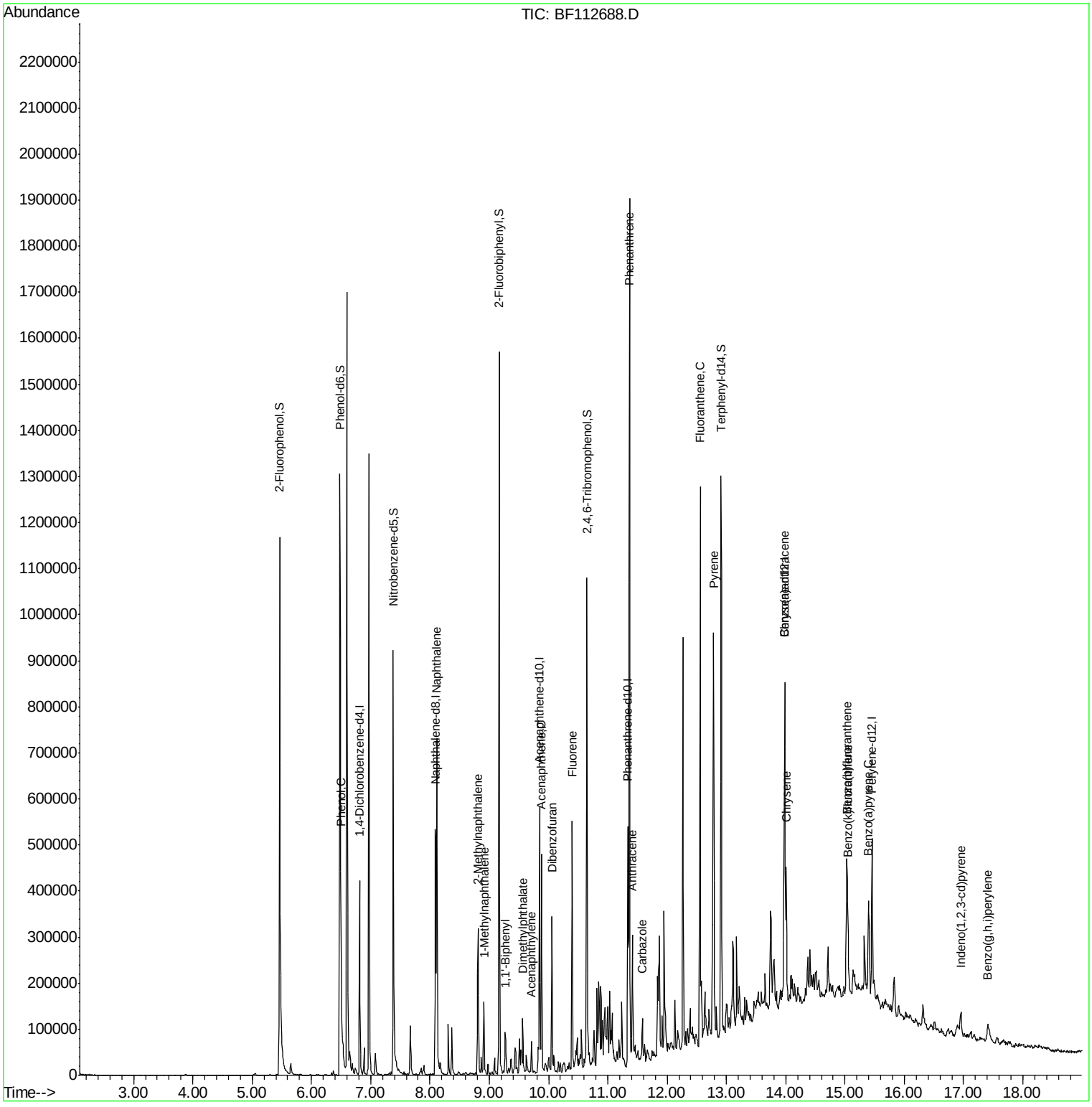
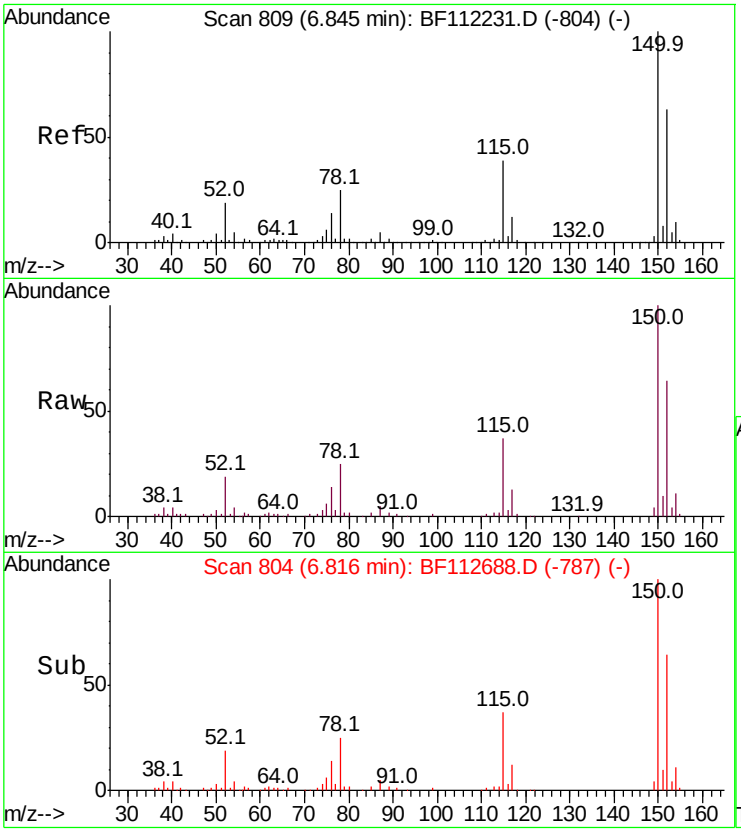
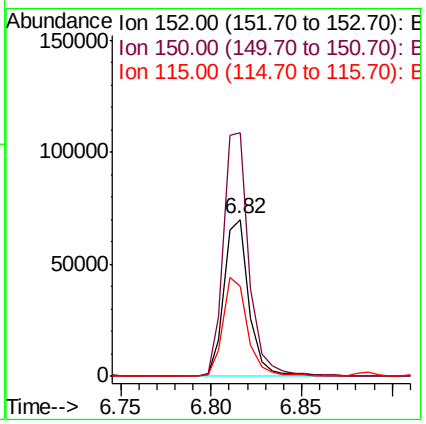




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:152 Resp: 67682

Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.4	191.0
115	57.8	45.5	68.3



Instrument :
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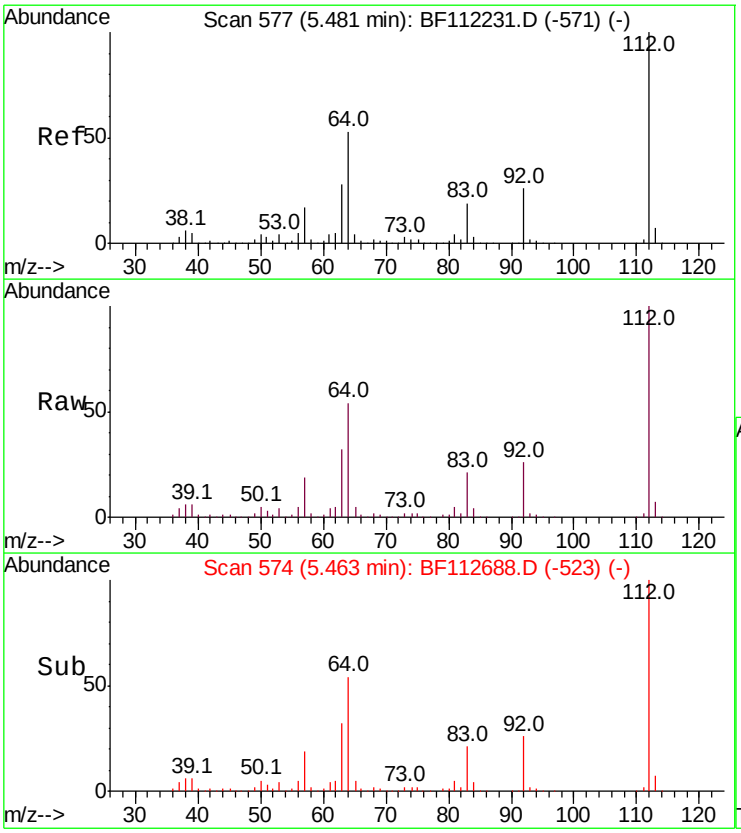
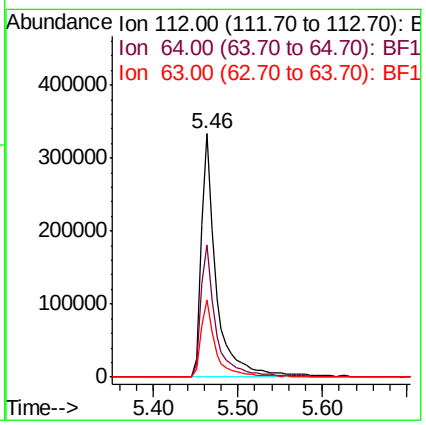
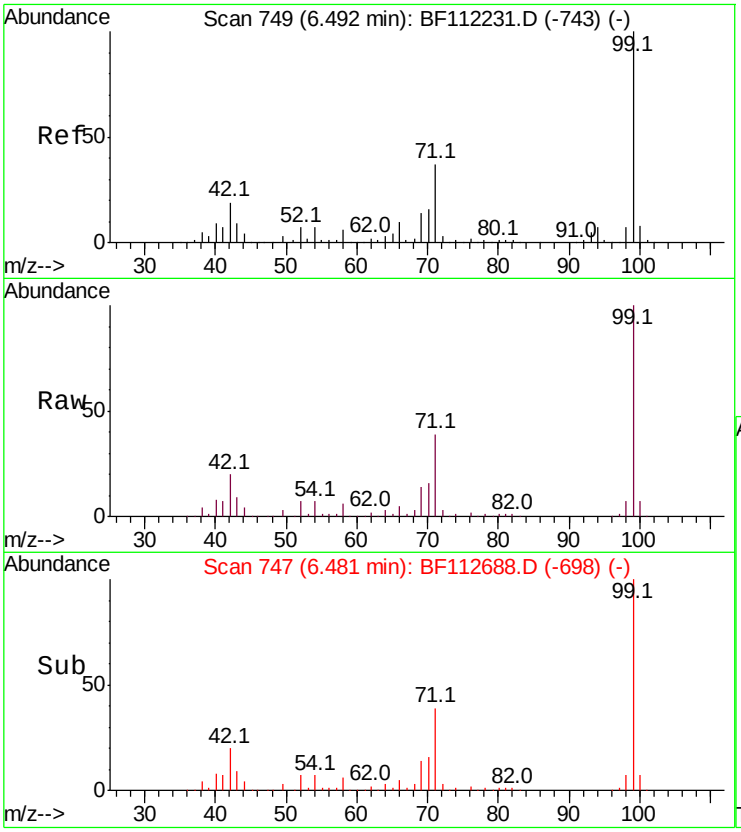


#5
2-Fluorophenol
Concen: 128.590 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:112 Resp: 409743

Ion	Ratio	Lower	Upper
112	100		
64	54.4	45.7	68.5
63	31.5	23.6	35.4

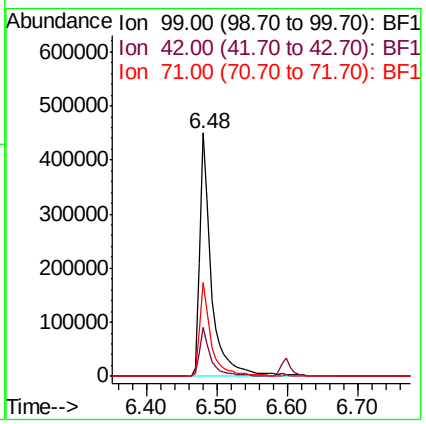




#7
Phenol-d6
Concen: 119.540 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion: 99 Resp: 529290

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.1	22.7
71	38.8	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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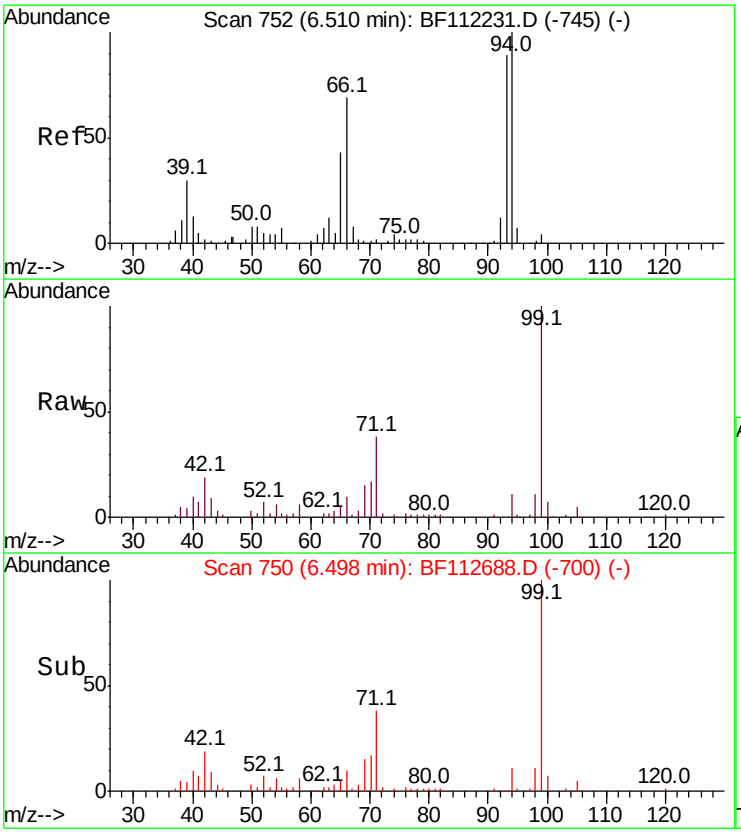
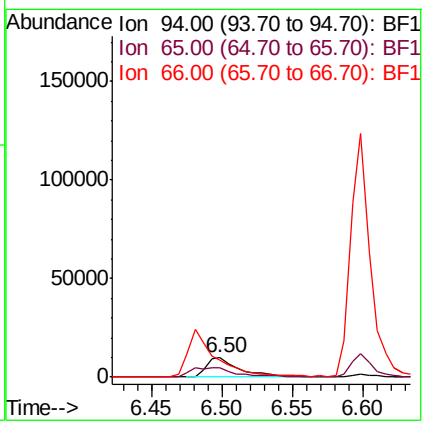
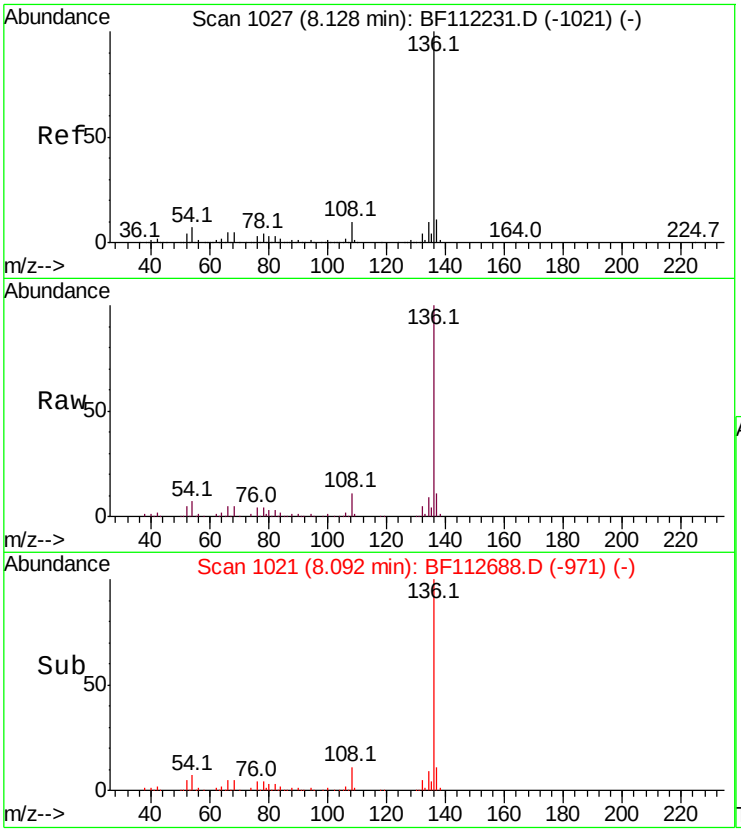


#10
Phenol
Concen: 3.347 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion: 94 Resp: 16257

Ion	Ratio	Lower	Upper
94	100		
65	46.7	20.3	60.3
66	86.8	42.4	82.4#

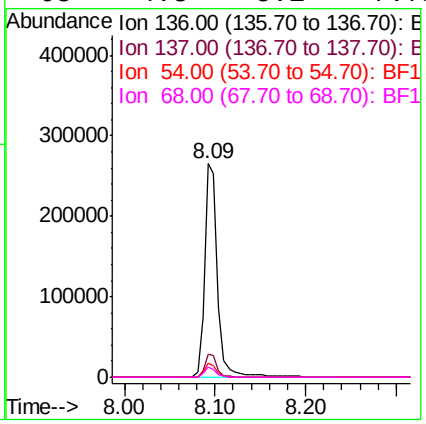




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:136 Resp: 266408

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	6.8	5.9	8.9
68	4.8	5.1	7.7#



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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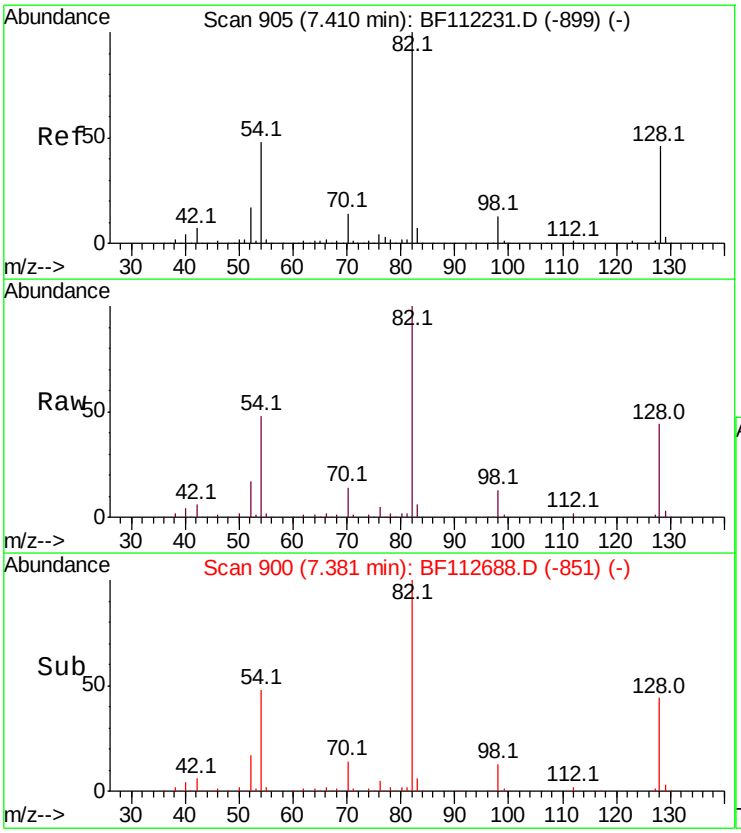
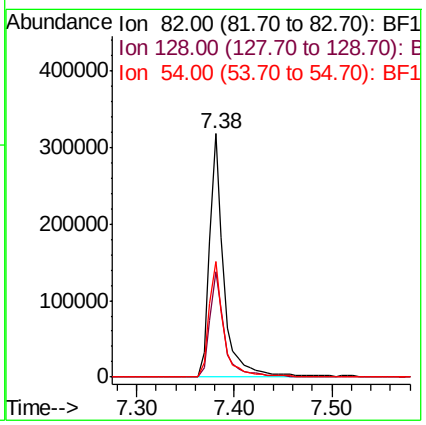
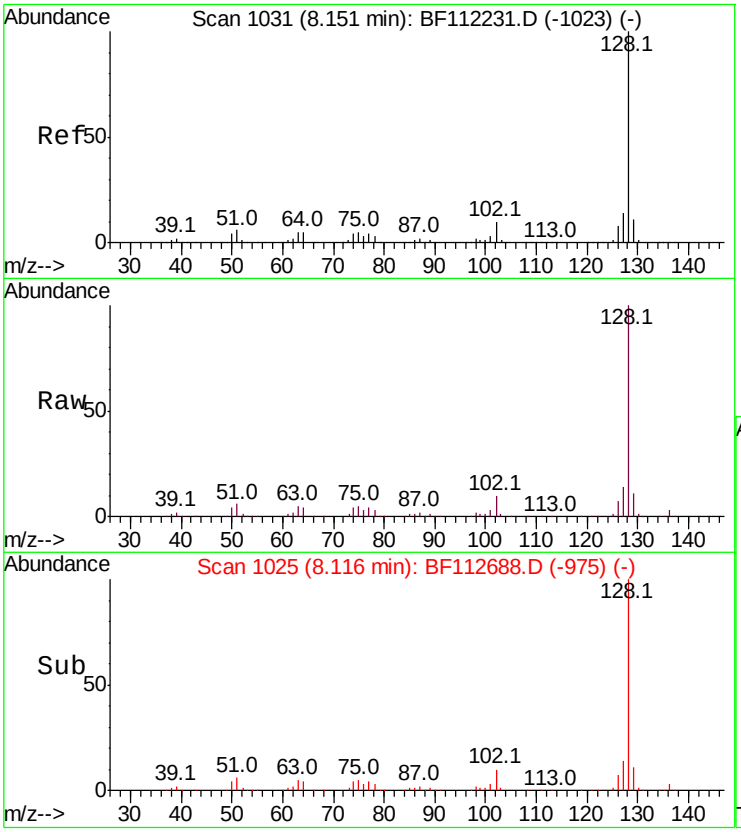


#23
Nitrobenzene-d5
Concen: 69.805 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion: 82 Resp: 322746

Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.8	56.8
54	47.6	39.7	59.5

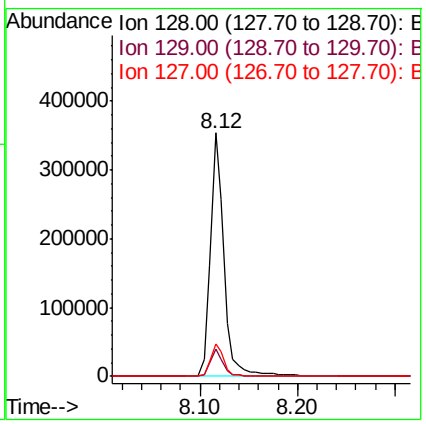




#31
Naphthalene
Concen: 27.421 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:128 Resp: 341627

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.6	14.4
127	13.5	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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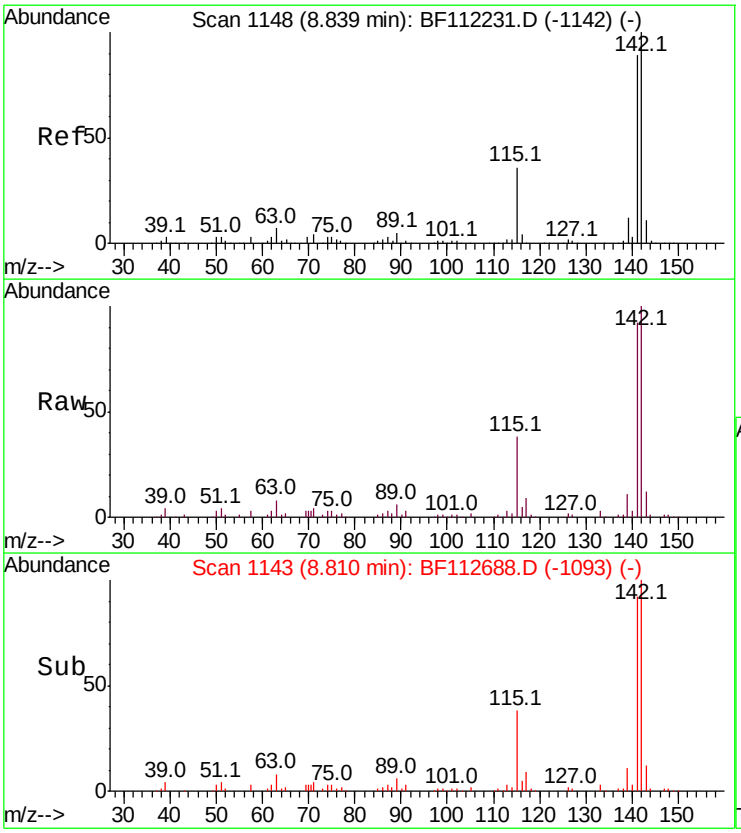
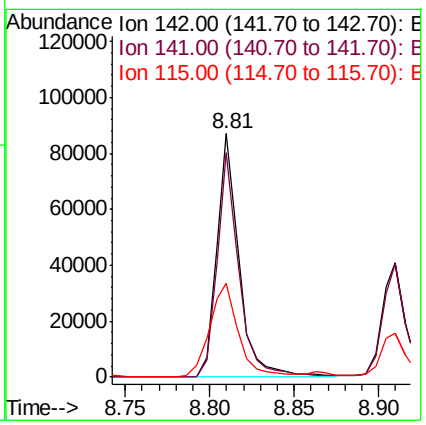
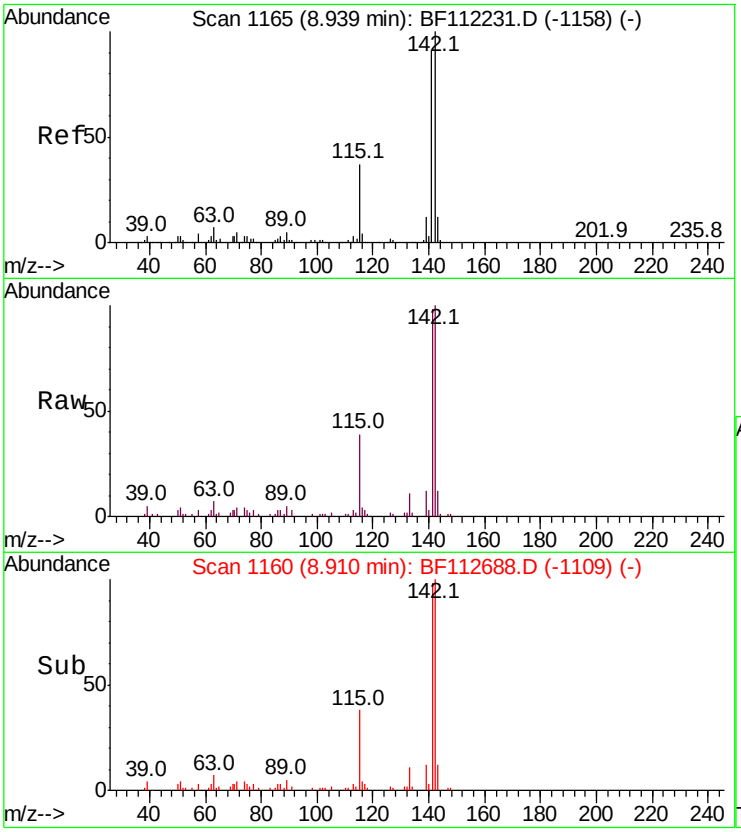


#37
2-Methylnaphthalene
Concen: 9.430 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:142 Resp: 80423

Ion	Ratio	Lower	Upper
142	100		
141	92.1	70.9	106.3
115	38.4	24.9	37.3#

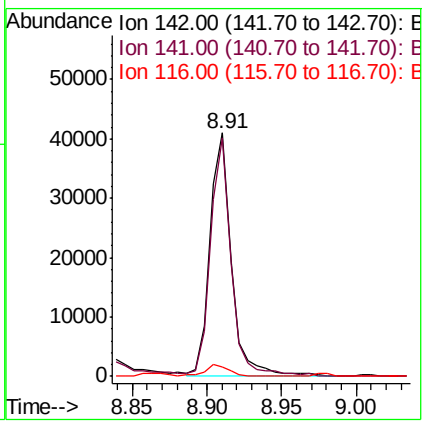




#38
1-Methylnaphthalene
Concen: 5.038 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:142 Resp: 41181

Ion	Ratio	Lower	Upper
142	100		
141	98.1	72.6	108.8
116	4.0	2.8	4.2



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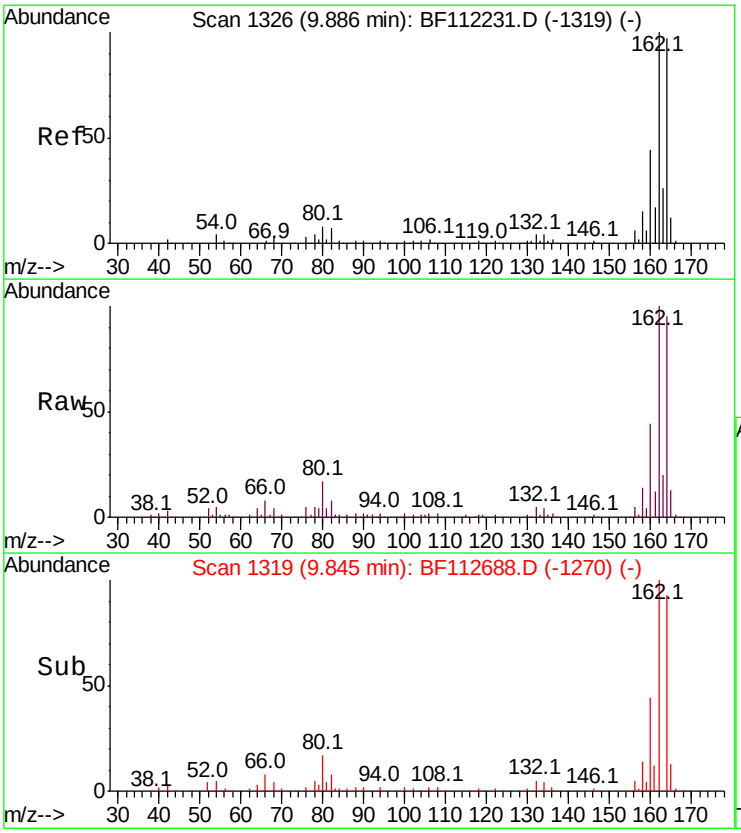
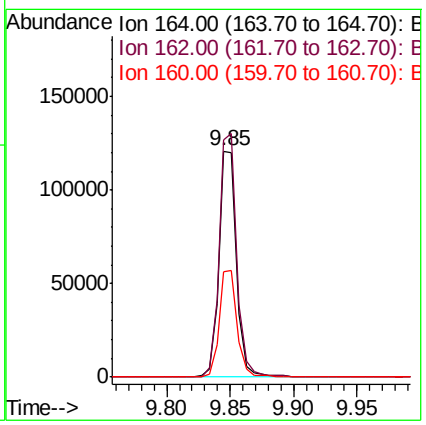
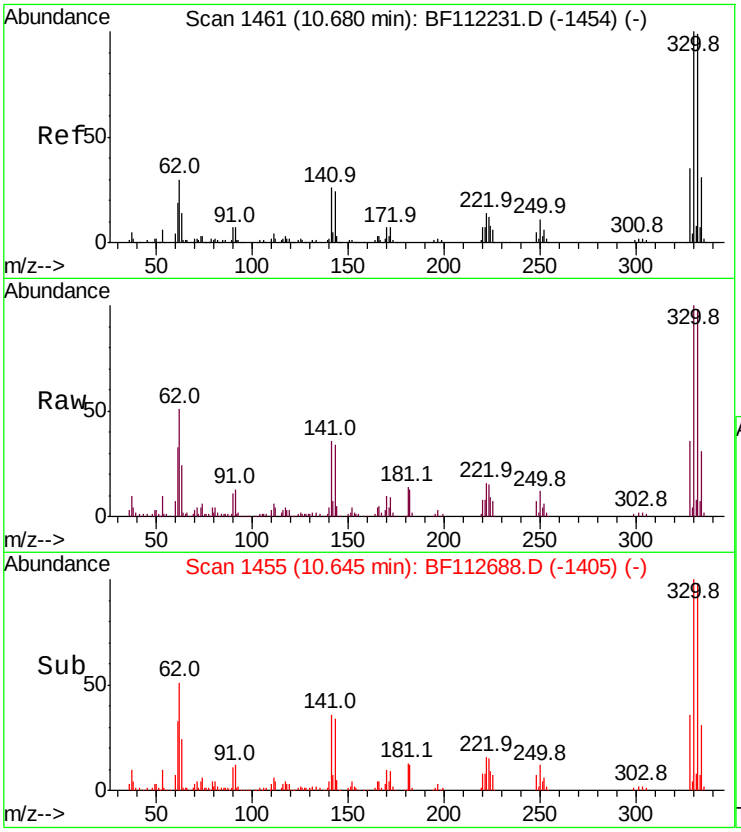


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:164 Resp: 117840

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.2	123.4
160	46.5	36.2	54.4

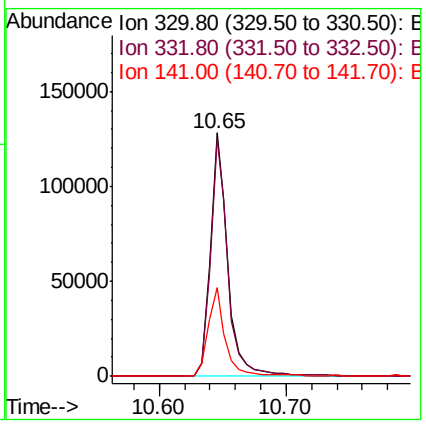




#42
2,4,6-Tribromophenol
Concen: 90.434 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:330 Resp: 124042

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	114.8
141	35.4	24.3	36.5



Instrument :
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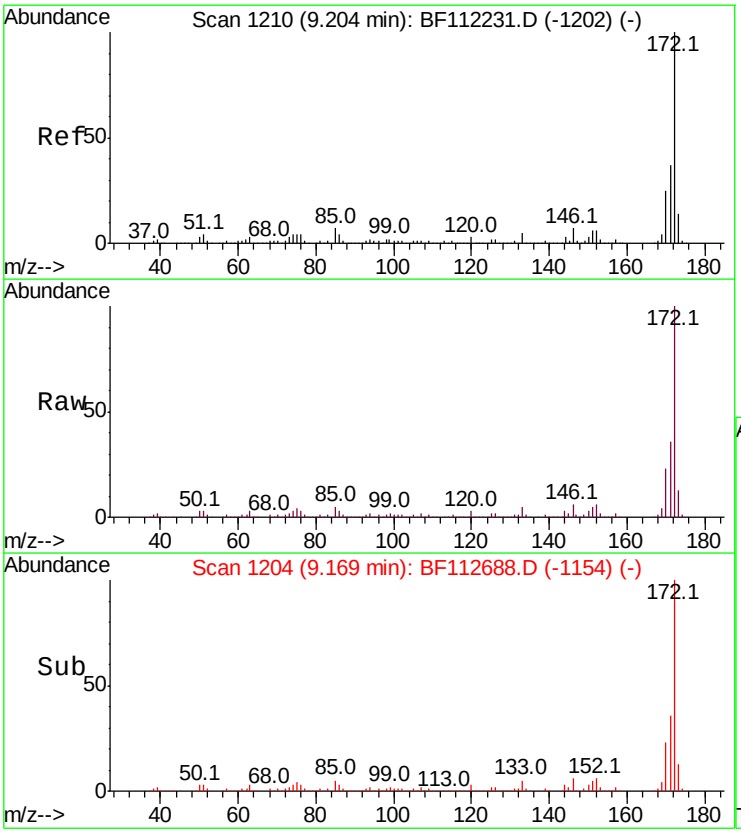
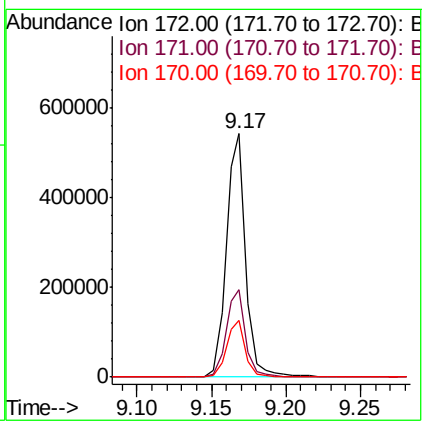
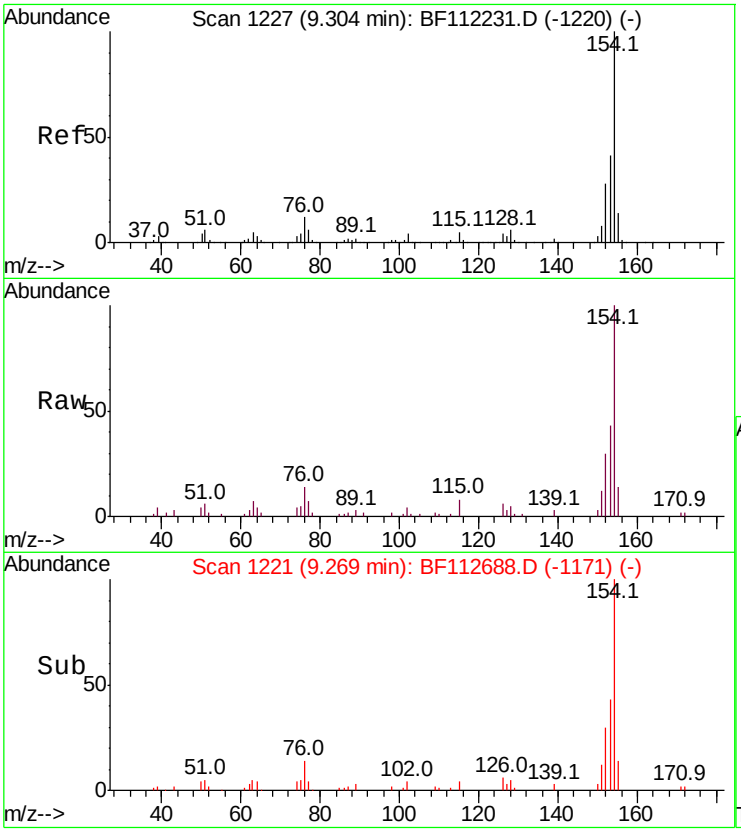


#45
2-Fluorobiphenyl
Concen: 59.617 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:172 Resp: 496716

Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.5	45.7
170	23.5	20.2	30.4

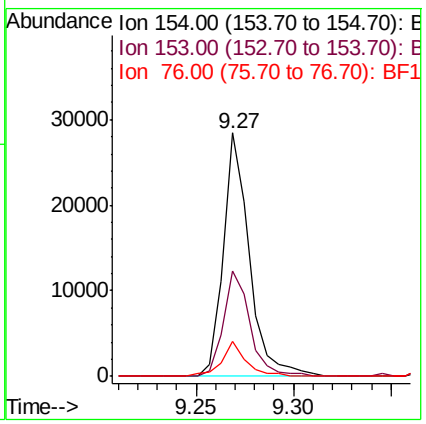




#46
1,1'-Biphenyl
Concen: 2.557 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:154 Resp: 26347

Ion	Ratio	Lower	Upper
154	100		
153	43.4	21.5	61.5
76	14.4	0.0	33.1



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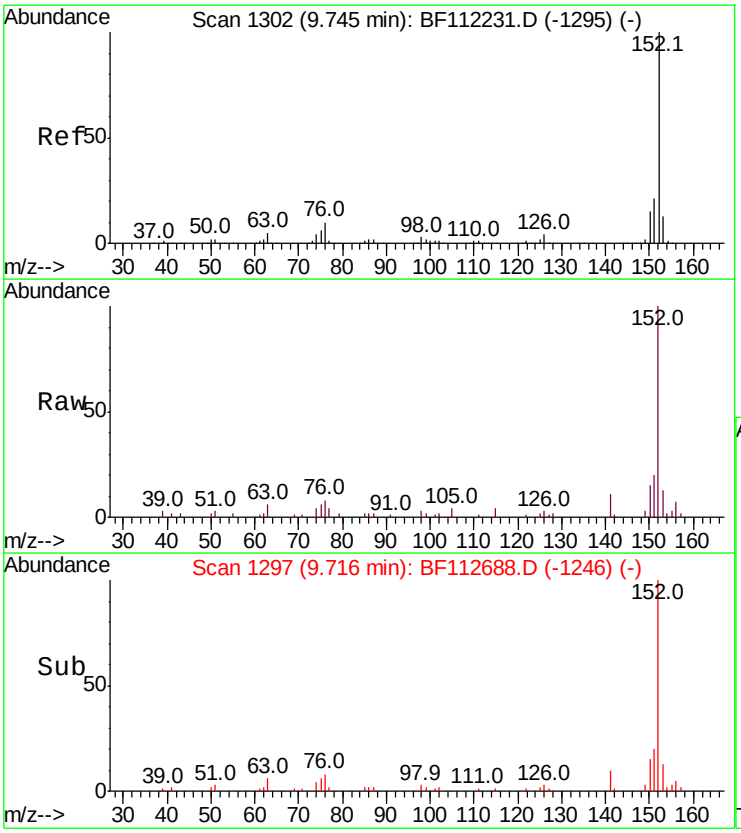
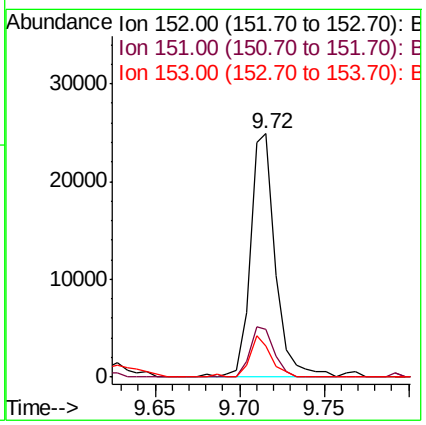
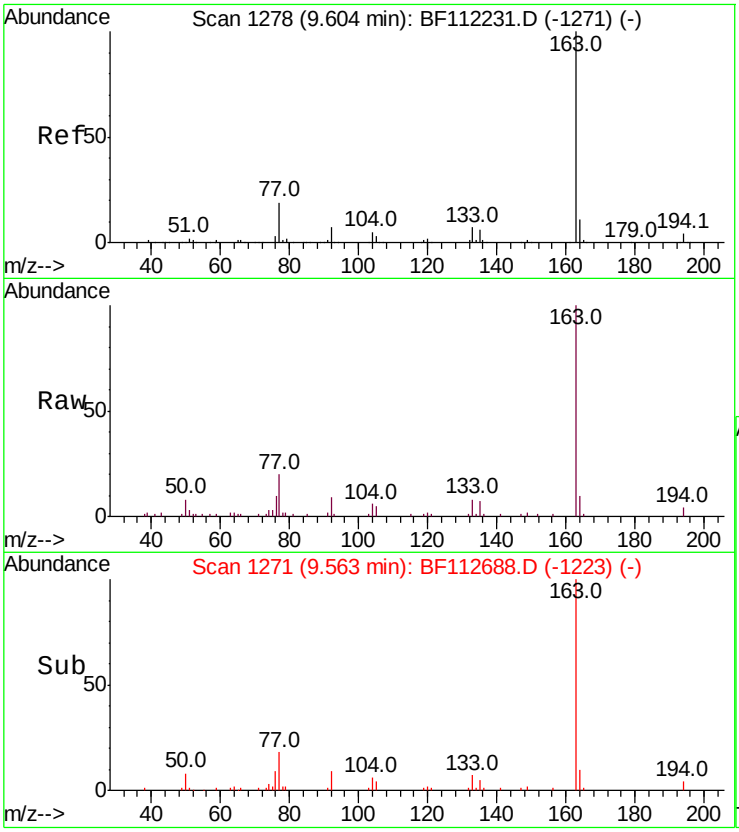


#49
Acenaphthylene
Concen: 2.211 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:152 Resp: 25890

Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.0	25.6
153	12.6	11.2	16.8

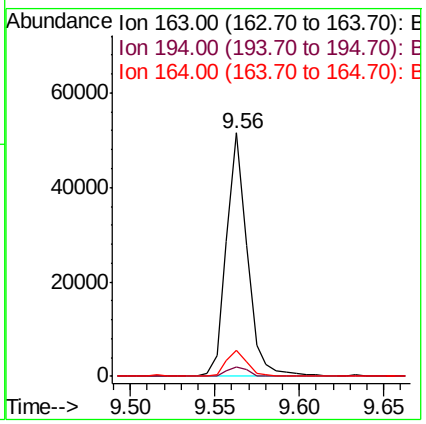




#50
Dimethylphthalate
Concen: 4.821 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:163 Resp: 44143

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.4	8.5	12.7



Instrument :
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ClientSampleId :
TP-CBF-B10

Manual Integrations APPROVED
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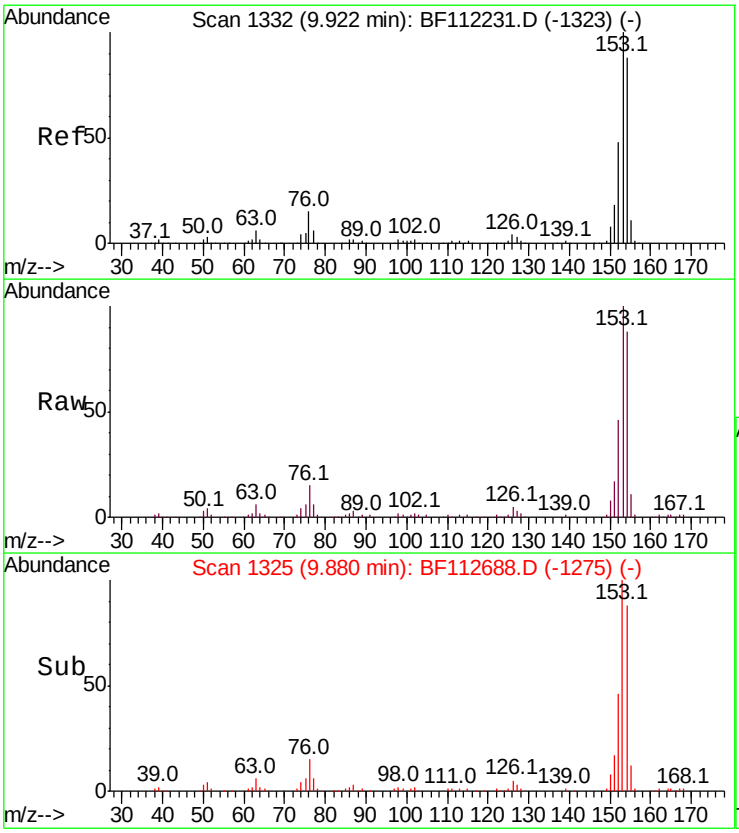
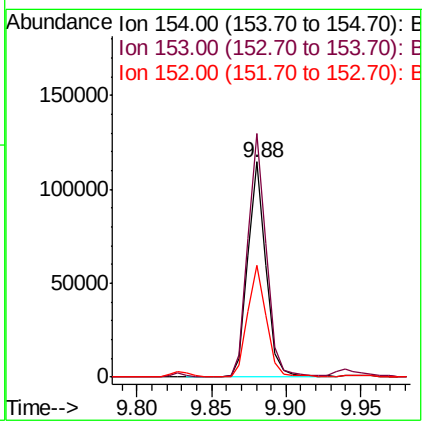
2/26/2019 2:39:04 PM

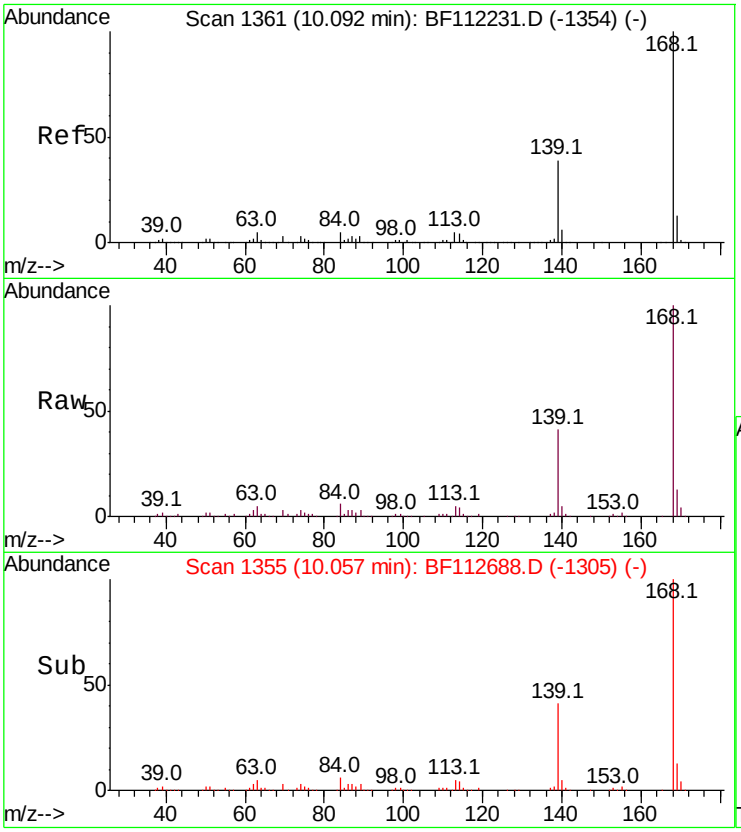


#52
Acenaphthene
Concen: 13.756 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:154 Resp: 96223

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.8	134.6
152	51.8	43.5	65.3

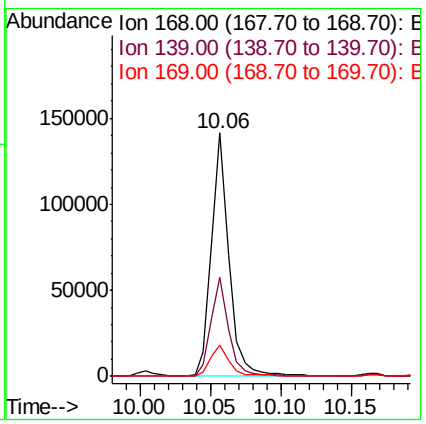




#55
Dibenzofuran
Concen: 11.605 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:168 Resp: 124045

Ion	Ratio	Lower	Upper
168	100		
139	40.6	29.2	43.8
169	12.7	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
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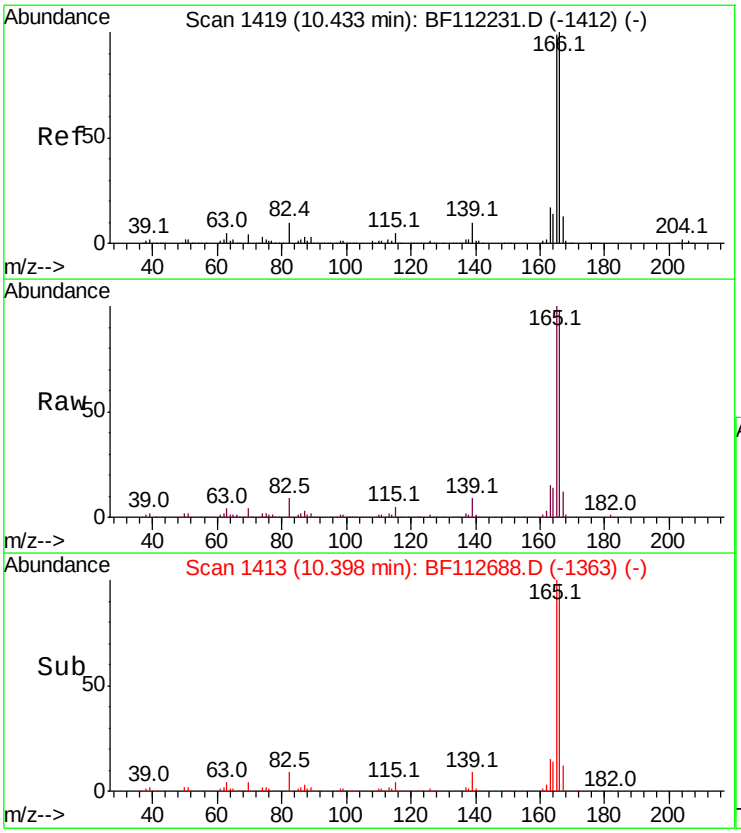
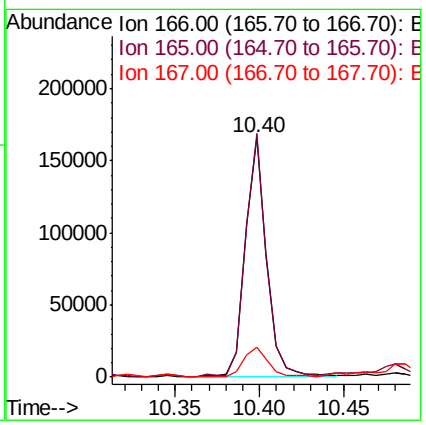
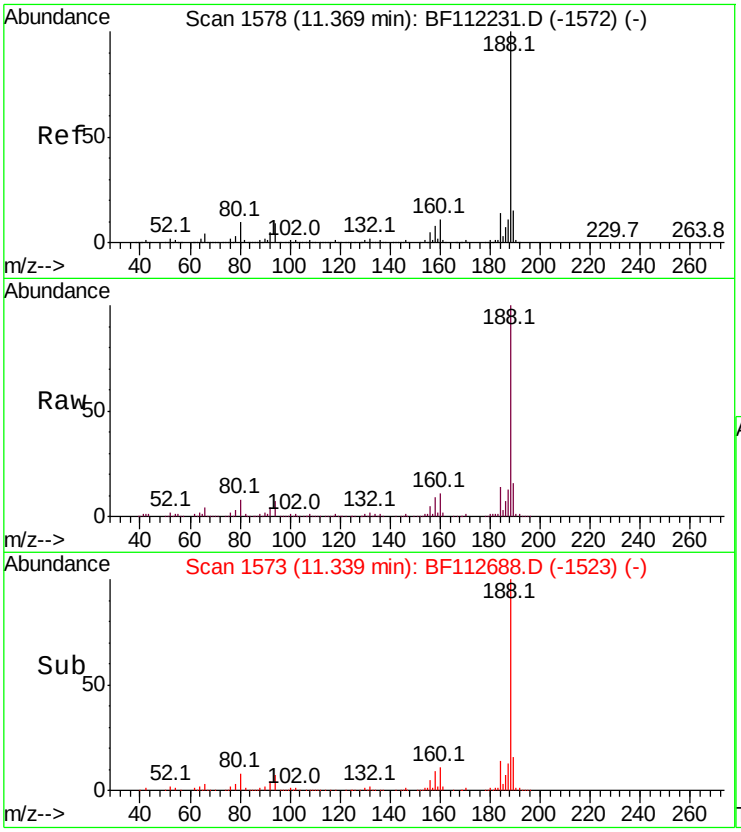


#58
Fluorene
Concen: 18.176 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:166 Resp: 145388

Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.1	115.7
167	12.7	11.3	16.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:188 Resp: 189965

Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.2	12.2#
80	8.5	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
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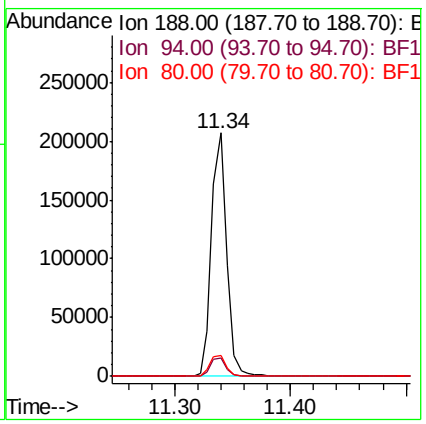
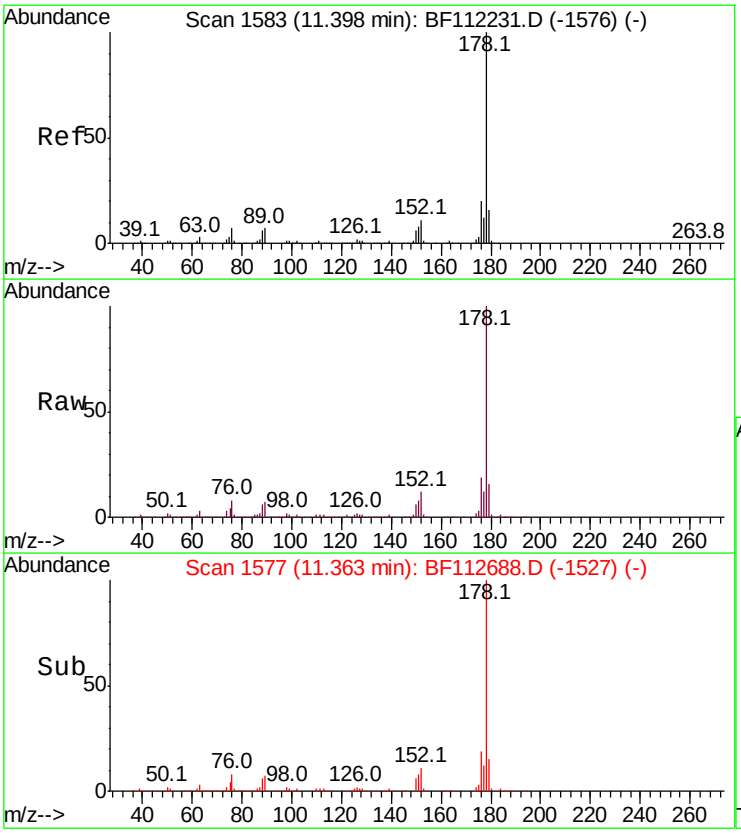
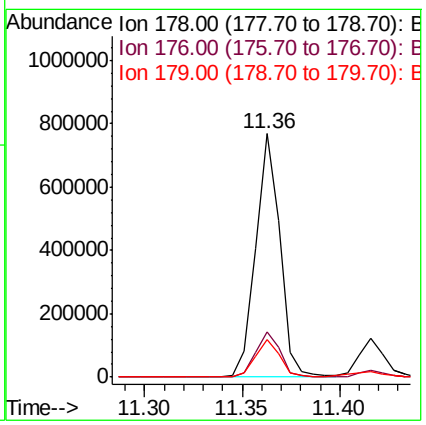


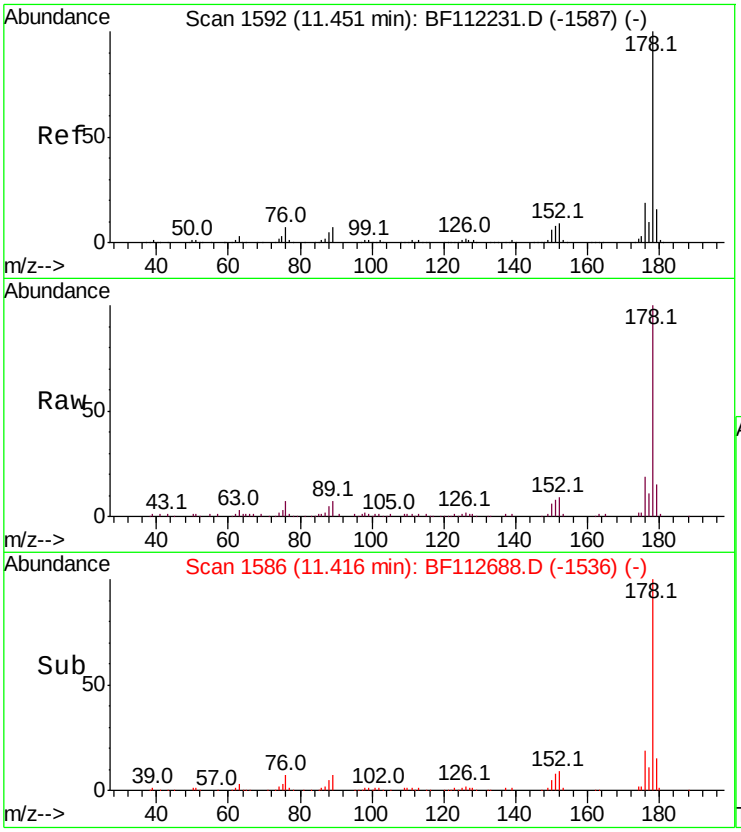


#71
Phenanthrene
Concen: 67.050 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:178 Resp: 662189

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.5	13.0	19.4

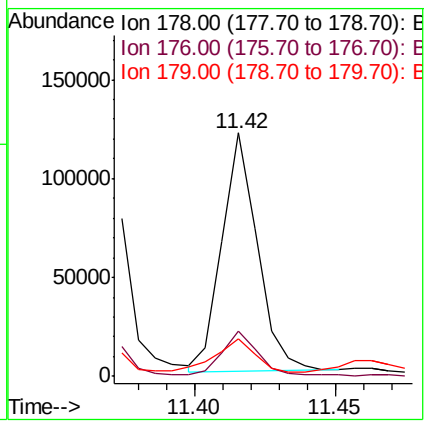




#72
Anthracene
Concen: 10.724 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:178 Resp: 105502

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.4	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
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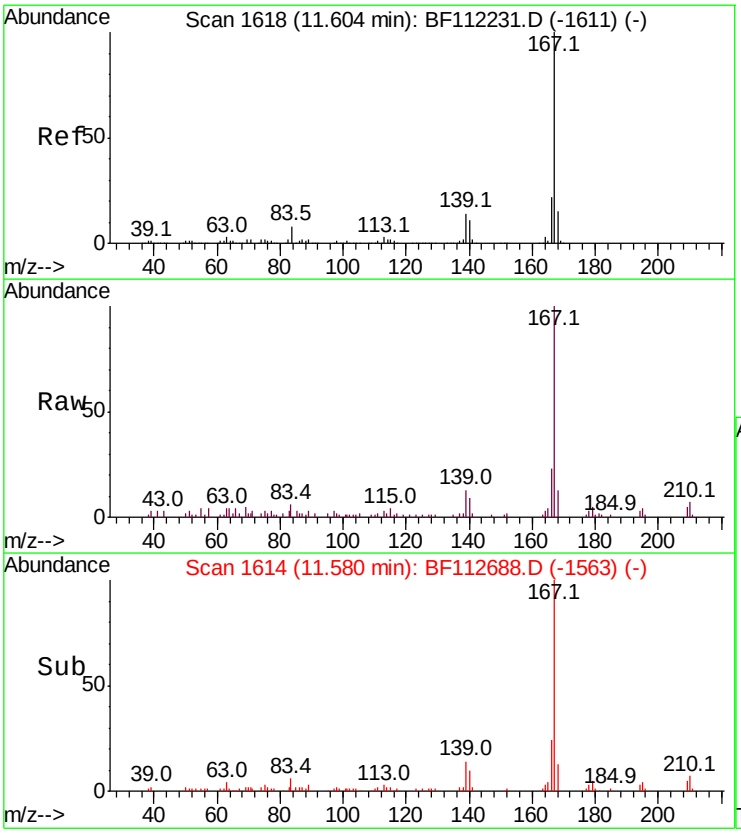
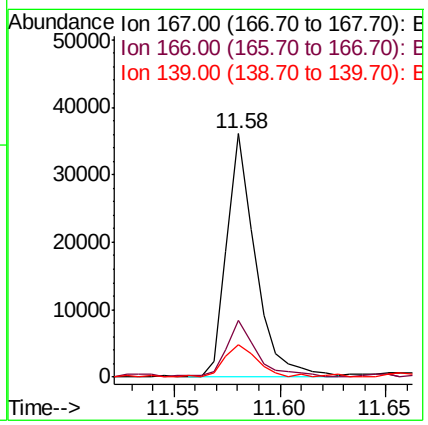
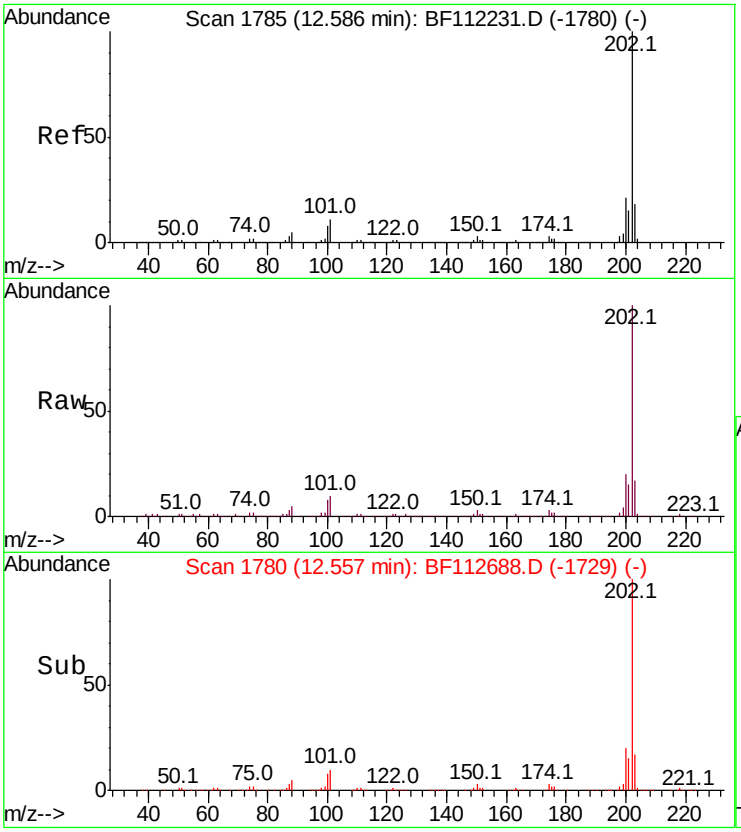


#73
Carbazole
Concen: 3.528 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:167 Resp: 34241

Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.9	26.9
139	13.4	10.2	15.2

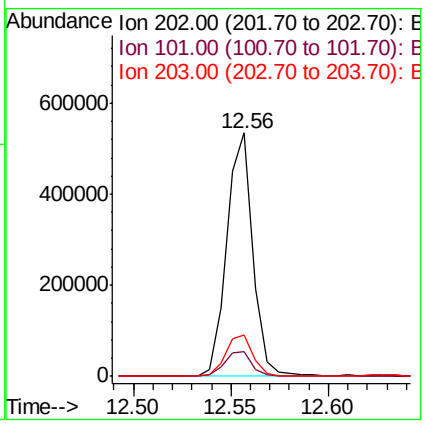




#75
Fluoranthene
Concen: 46.709 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:202 Resp: 494772

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.8
203	16.9	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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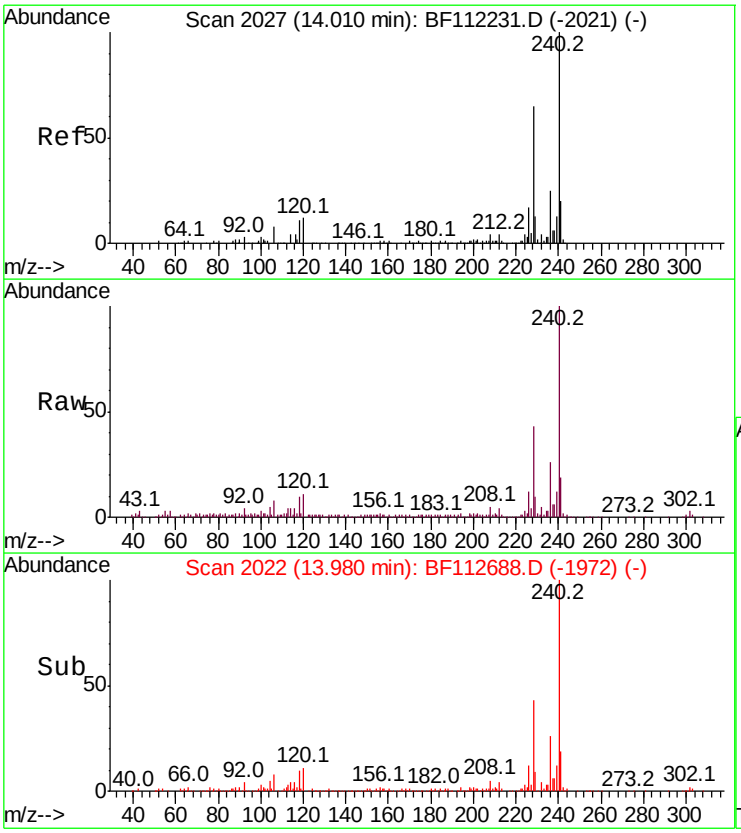
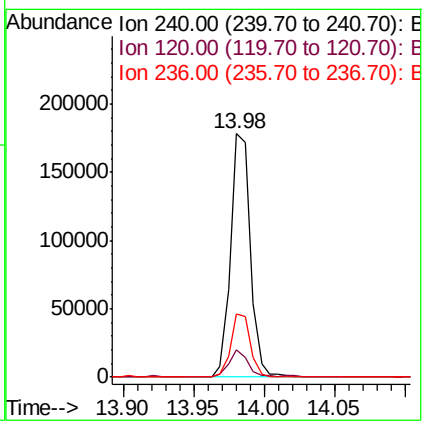
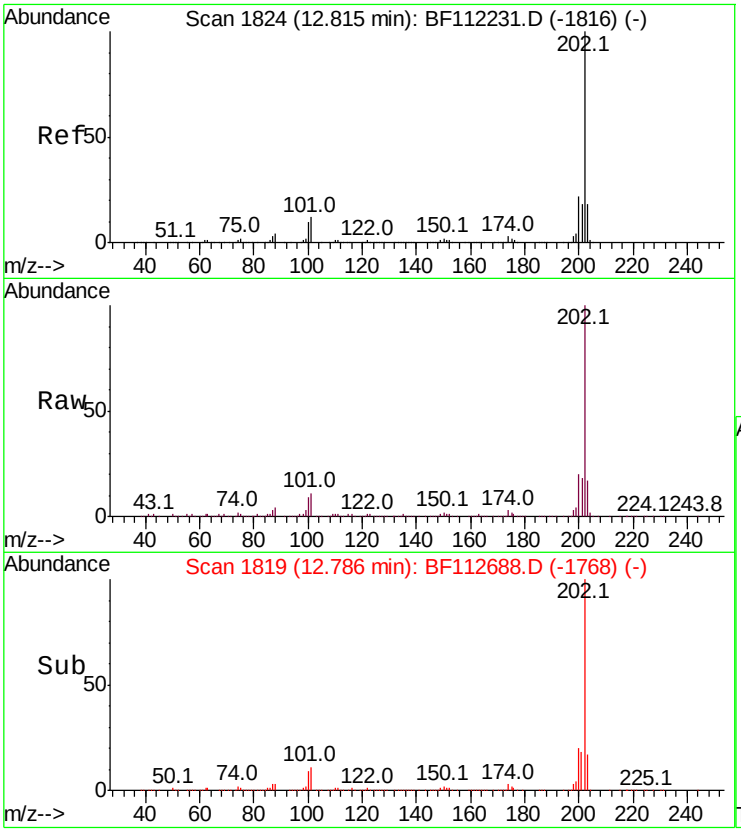


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:240 Resp: 174248

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	25.8	20.7	31.1

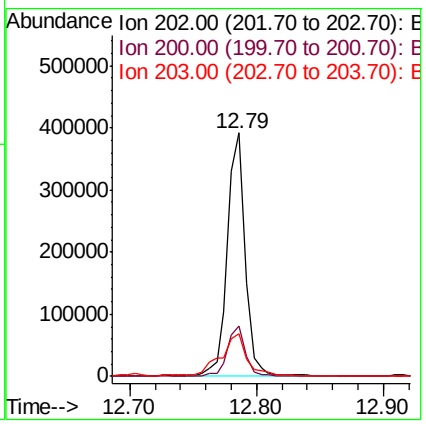




#78
Pyrene
Concen: 31.186 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:202 Resp: 376222

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.7	26.5
203	17.3	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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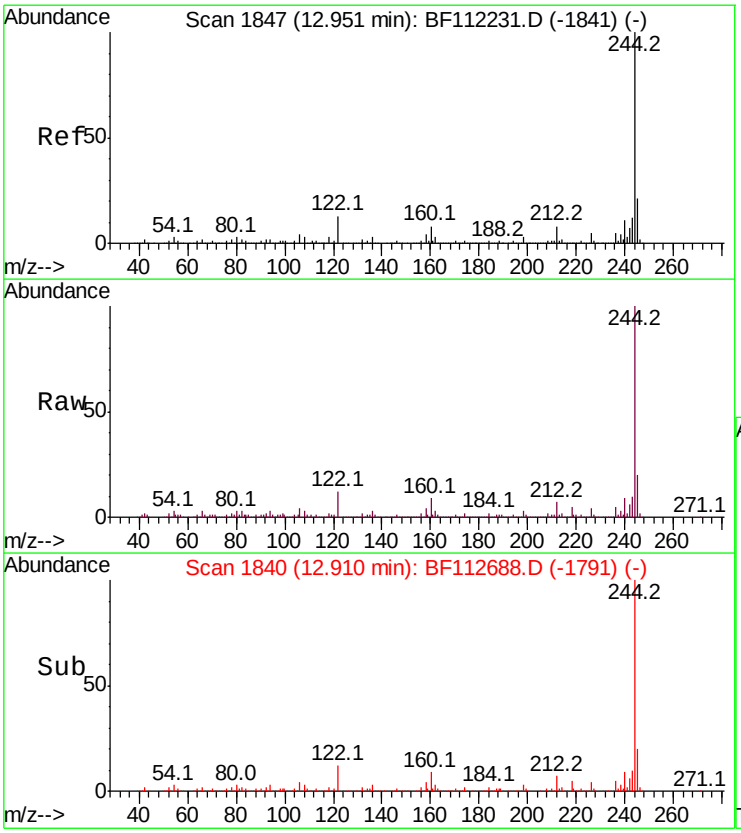
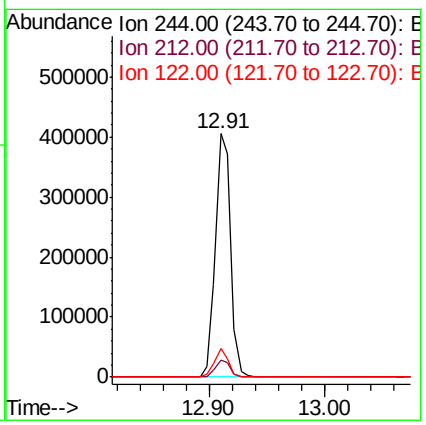
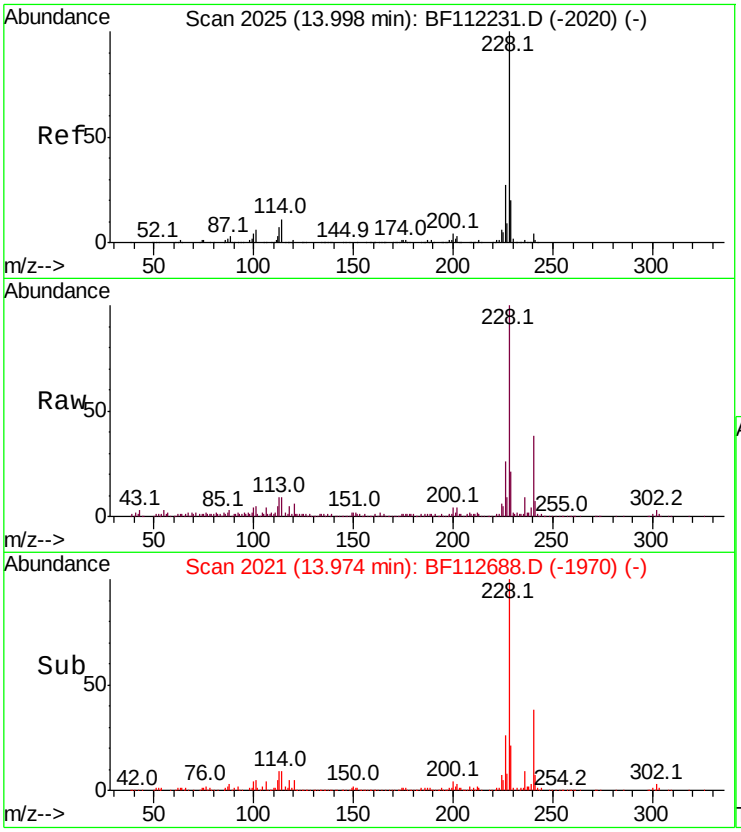


#79
Terphenyl-d14
Concen: 40.022 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:244 Resp: 370266

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.7	9.8	14.6

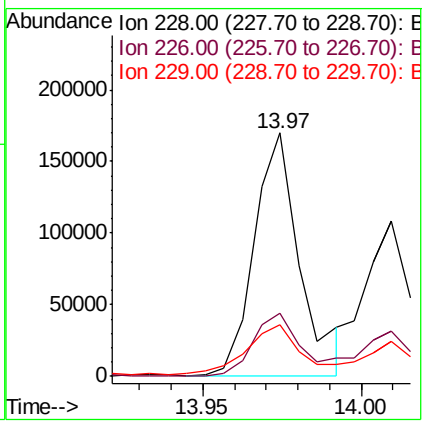




#81
Benzo(a)anthracene
Concen: 16.546 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:228 Resp: 169485

Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	34.0
229	21.2	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

Manual Integrations APPROVED
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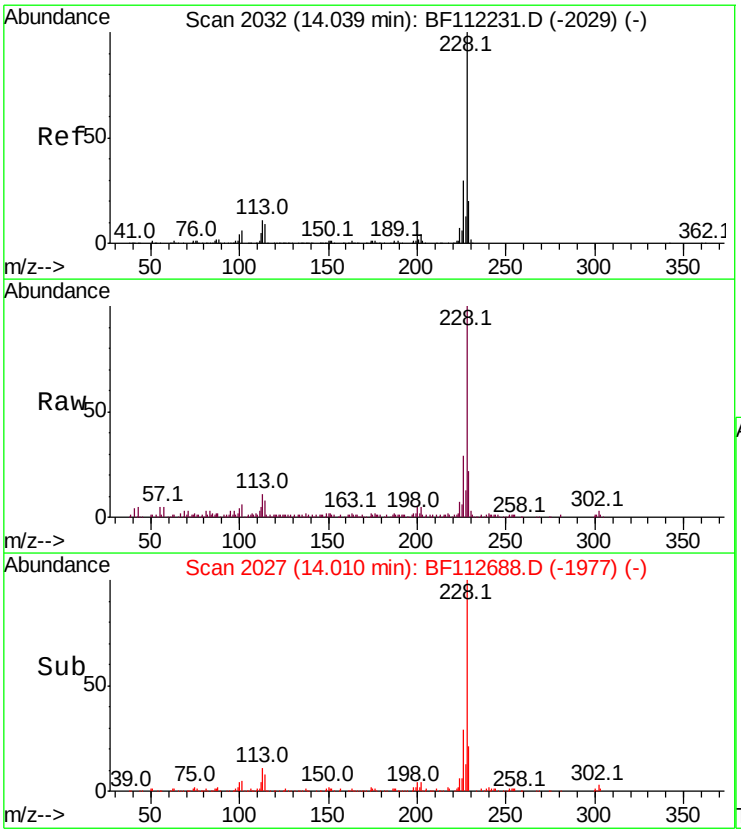
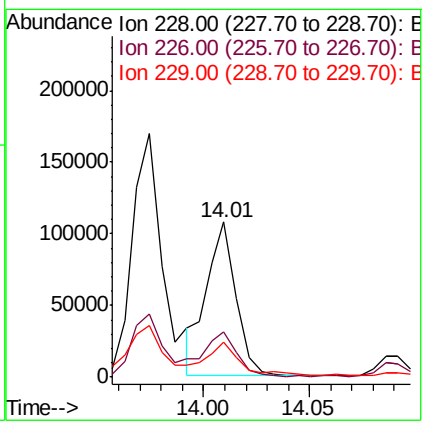
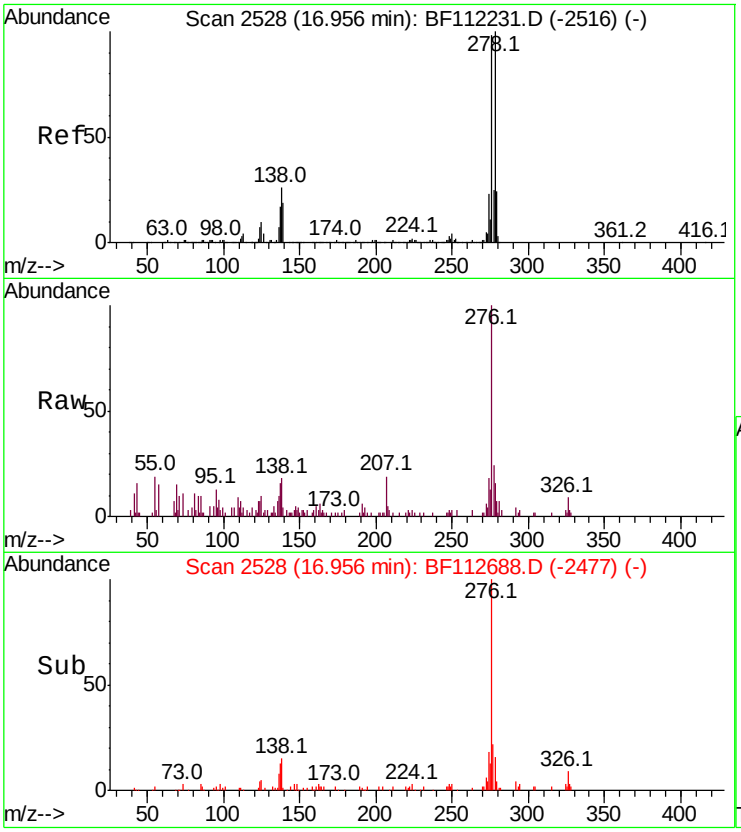


#83
Chrysene
Concen: 10.799 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:228 Resp: 105589

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.4	16.6	24.8

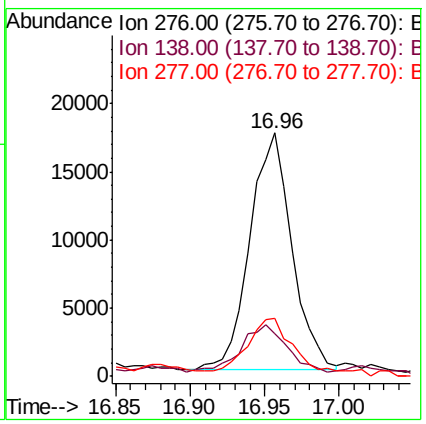




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.363 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:276 Resp: 33801

Ion	Ratio	Lower	Upper
276	100		
138	27.0	22.6	34.0
277	29.2	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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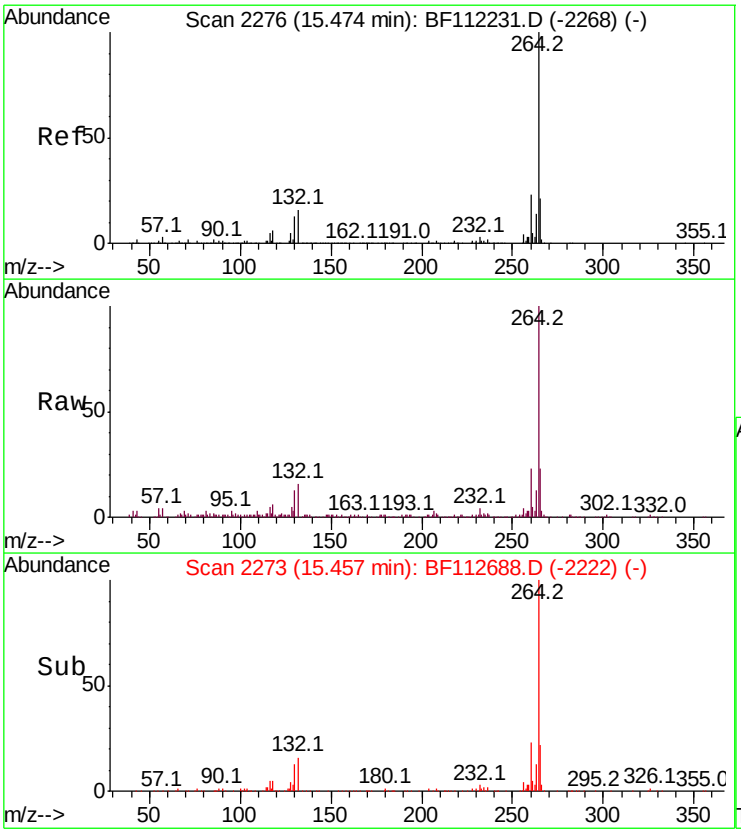
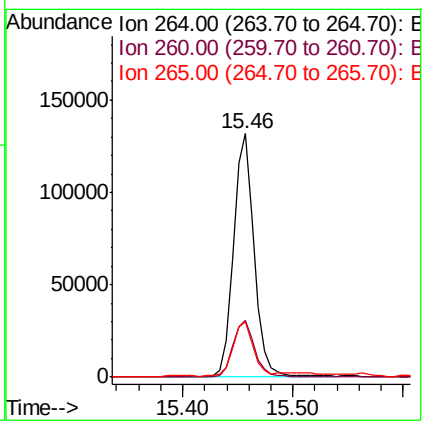
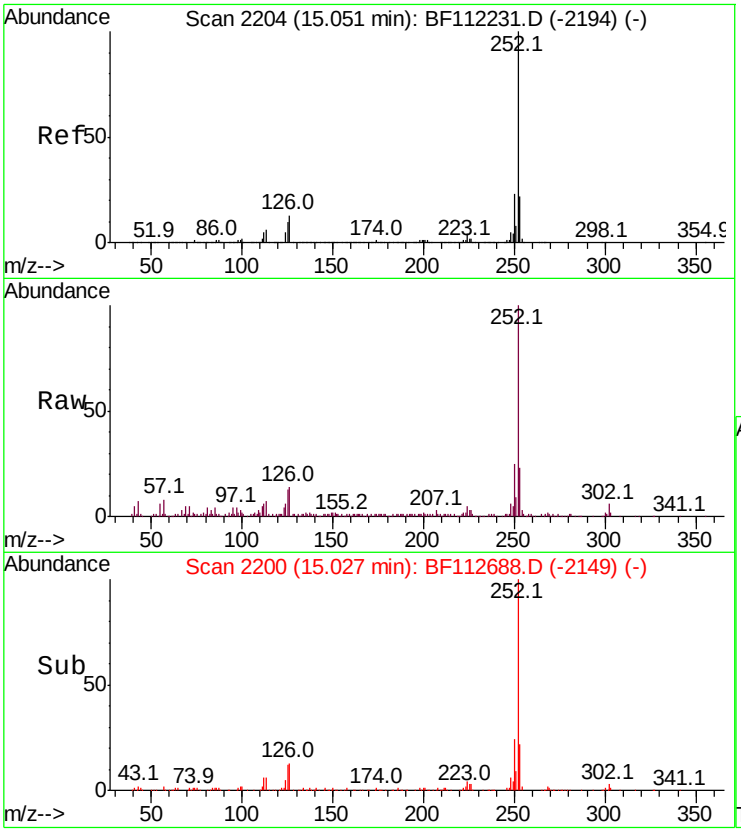


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:264 Resp: 173607

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	22.6	17.0	25.4

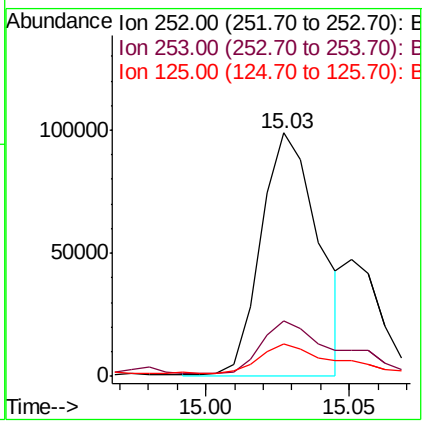




#88
Benzo(b)fluoranthene
Concen: 13.366 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:252 Resp: 138770

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.3	8.7	13.1#



Instrument :
BNA_F
ClientSampleId :
TP-CBF-B10

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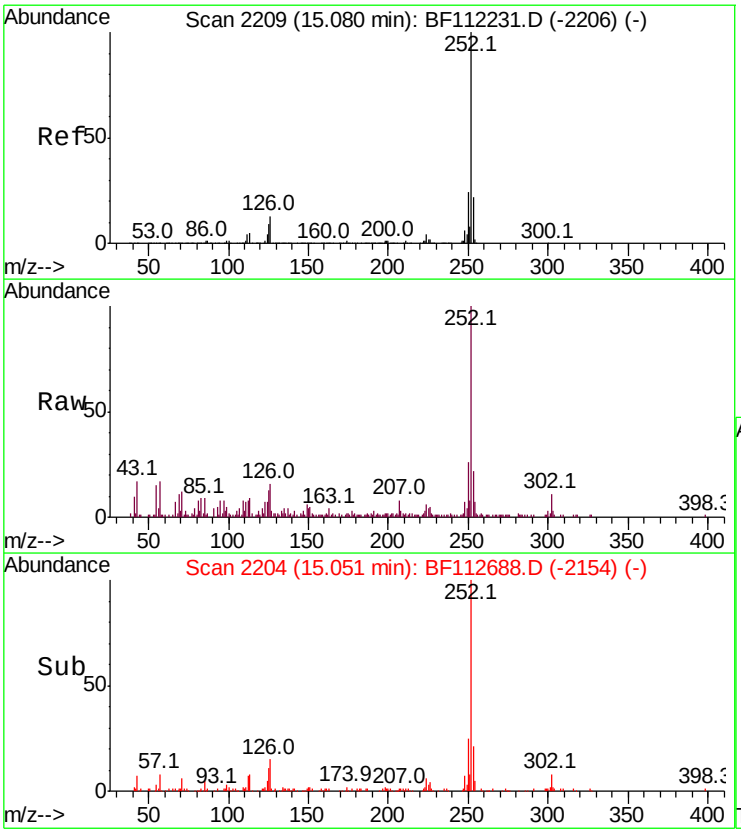
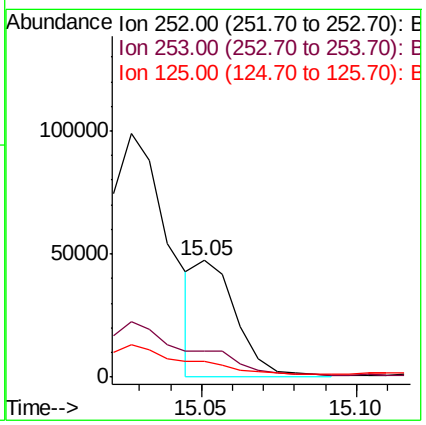
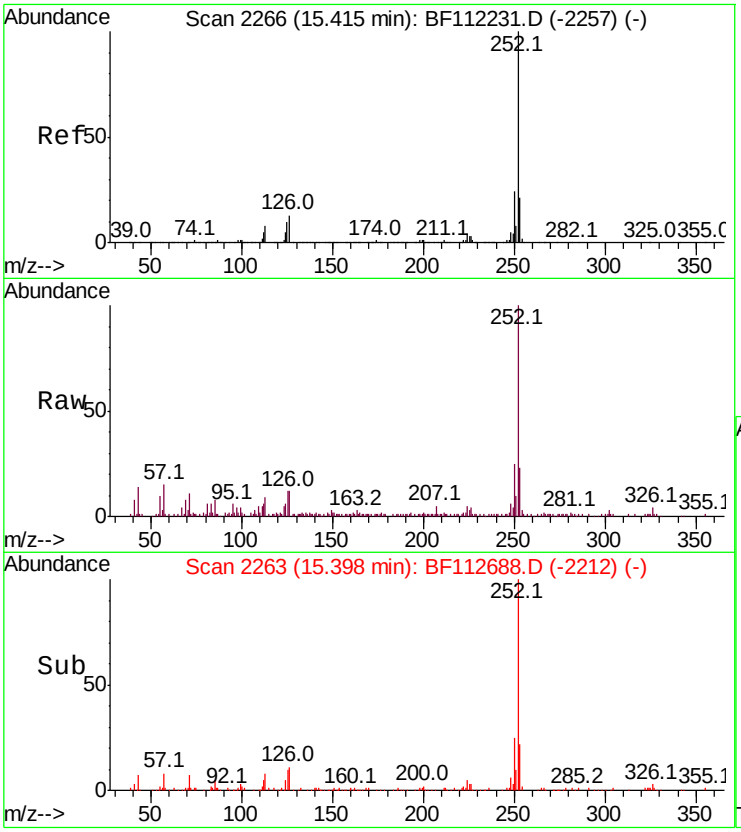


#89
Benzo(k)fluoranthene
Concen: 4.360 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:252 Resp: 43357

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	13.5	9.1	13.7

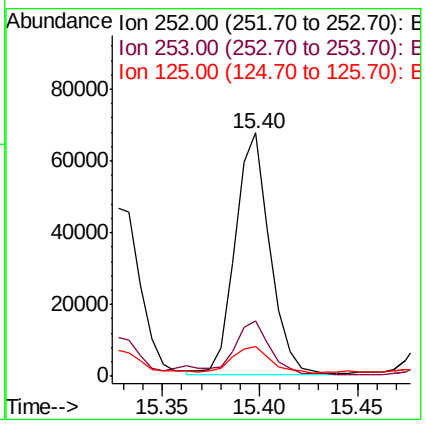




#90
Benzo(a)pyrene
Concen: 8.919 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:252 Resp: 83320

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
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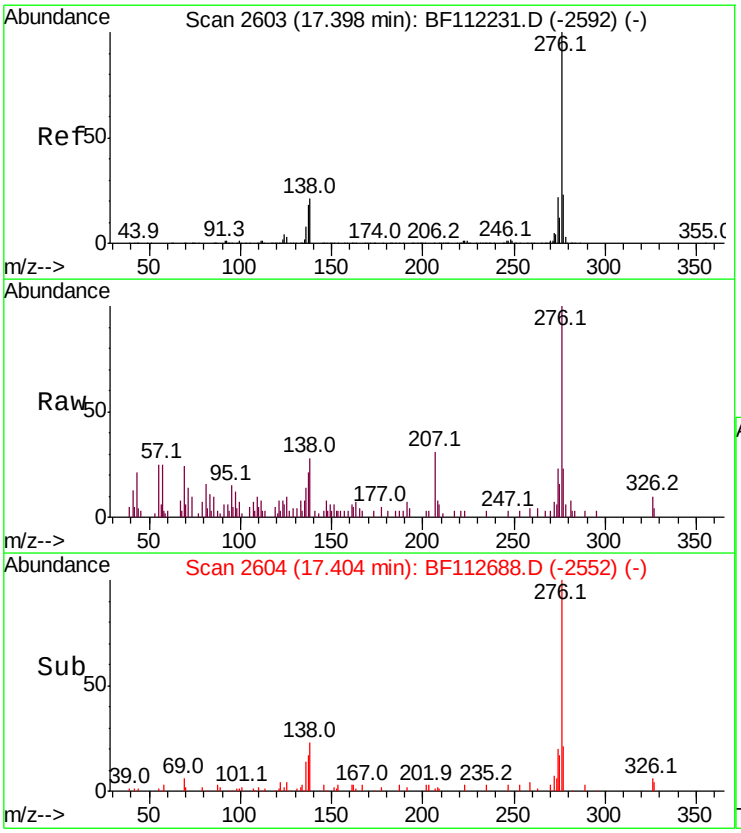

#92
Benzo(g,h,i)perylene
Concen: 4.283 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF112688.D
Acq: 25 Feb 2019 13:20

Tgt Ion:276 Resp: 30424

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.4	29.0
138	27.5	19.1	28.7