Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000868.D
Acq On : 18 Oct 2019 05:05
Operator : JU
Sample : K5394-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

Manual Integrations APPROVED
mohammad
10/20/2019 8:16:55 PM

Quant Time: Oct 18 08:43:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 01 18:03:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	200908	20.00	ng		-0.02
21) Naphthalene-d8	8.03	136	671863	20.00	ng		-0.02
39) Acenaphthene-d10	9.80	164	347343	20.00	ng		-0.02
64) Phenanthrene-d10	11.30	188	601736	20.00	ng		-0.01
76) Chrysene-d12	13.97	240	504208	20.00	ng		0.00
87) Perylene-d12	15.46	264	561134	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	1060440	84.84	ng		-0.01
7) Phenol-d6	6.40	99	1319225	87.59	ng		-0.01
23) Nitrobenzene-d5	7.31	82	723397	65.76	ng		-0.02
42) 2,4,6-Tribromophenol	10.59	330	367674	99.34	ng		-0.02
45) 2-Fluorobiphenyl	9.12	172	1520067	70.81	ng		-0.02
79) Terphenyl-d14	12.90	244	1567286	62.94	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.41	94	58434	3.789	ng		98
31) Naphthalene	8.05	128	251782	8.024	ng		99
37) 2-Methylnaphthalene	8.75	142	109633	5.205	ng		98
38) 1-Methylnaphthalene	8.85	142	84182m	4.230	ng		
49) Acenaphthylene	9.66	152	176613	5.774	ng		99
50) Dimethylphthalate	9.51	163	305218	12.646	ng		99
71) Phenanthrene	11.32	178	629371	20.826	ng		100
72) Anthracene	11.37	178	169413	5.654	ng		99
75) Fluoranthene	12.53	202	821164	24.194	ng		99
78) Pyrene	12.76	202	1004274	28.879	ng		99
81) Benzo(a)anthracene	13.97	228	540991	17.585	ng	#	90
83) Chrysene	14.00	228	557703	18.470	ng		98
86) Indeno(1,2,3-cd)pyrene	16.93	276	309734	8.212	ng	#	94
88) Benzo(b)fluoranthene	15.03	252	755200m	23.723	ng		
89) Benzo(k)fluoranthene	15.06	252	173468m	5.724	ng		
90) Benzo(a)pyrene	15.40	252	527434	17.773	ng		96
91) Dibenzo(a,h)anthracene	16.94	278	84969m	2.952	ng		
92) Benzo(g,h,i)perylene	17.38	276	320950	10.974	ng		98

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

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Manual Integrations APPROVED
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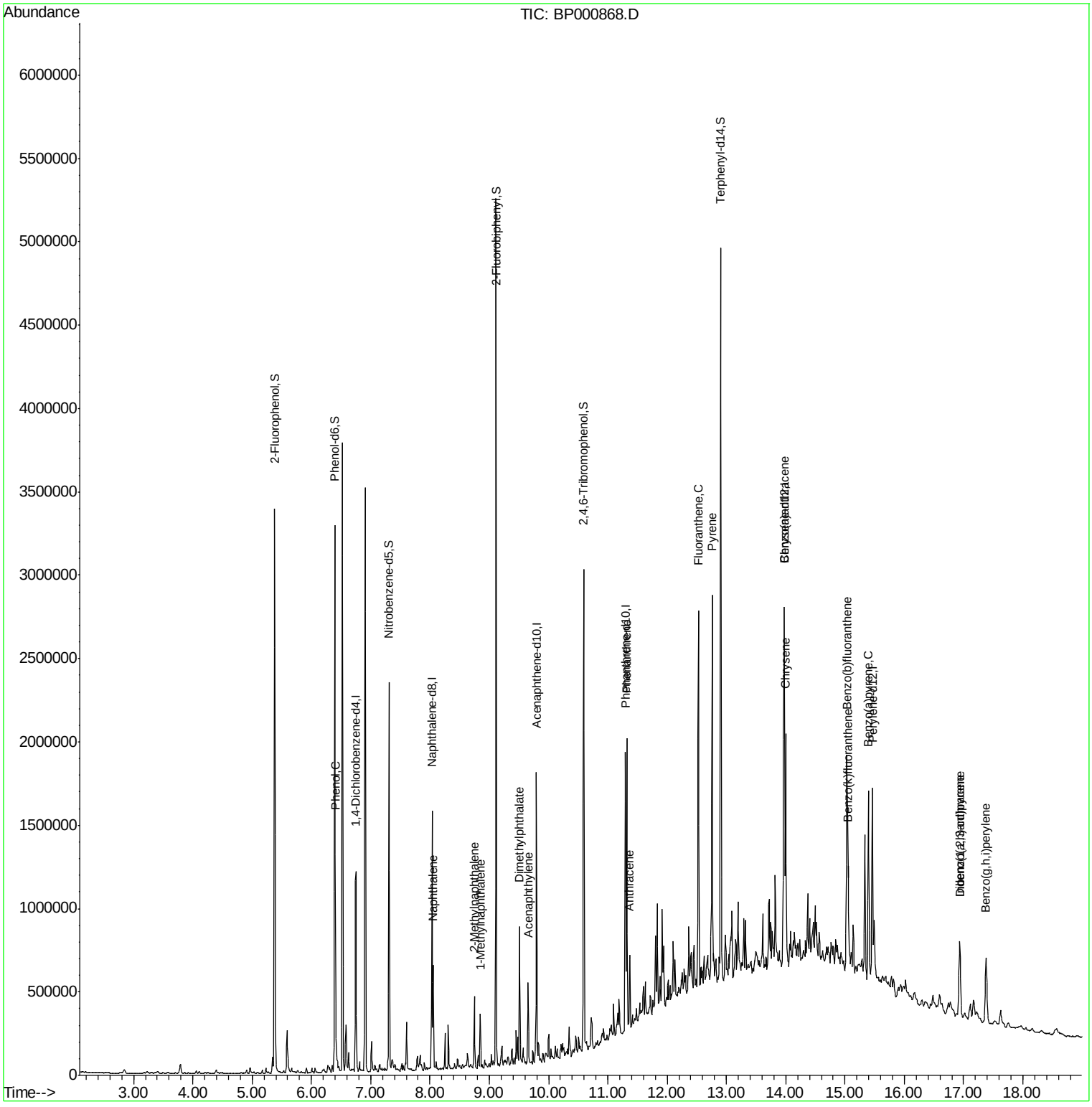
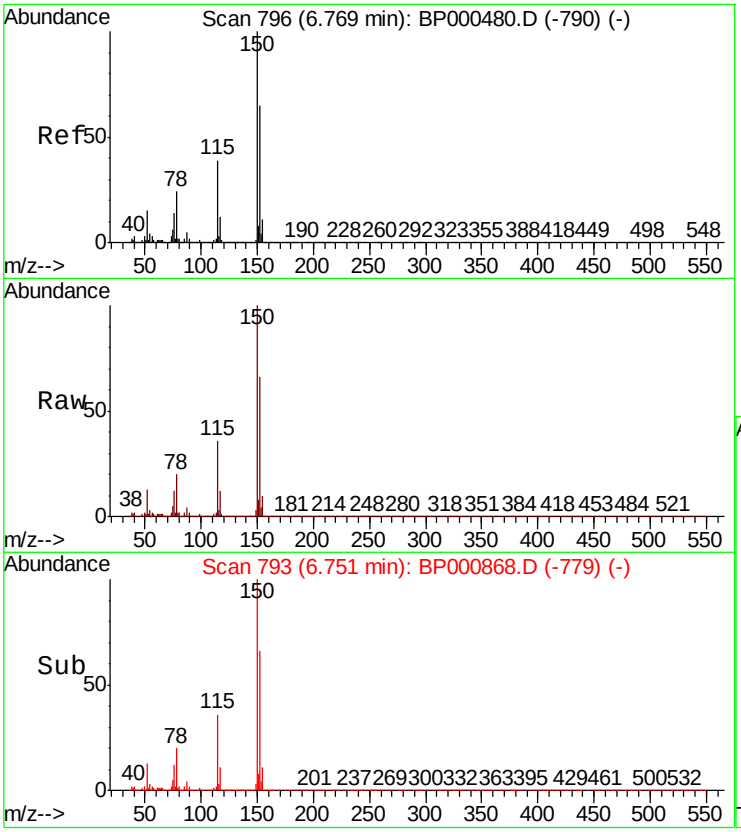
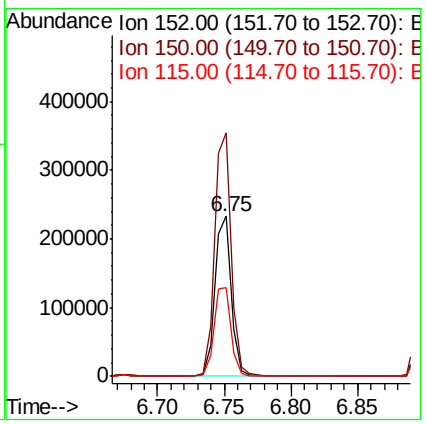




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:152 Resp: 200908

Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.1	186.1
115	55.3	48.7	73.1



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

Manual Integrations APPROVED
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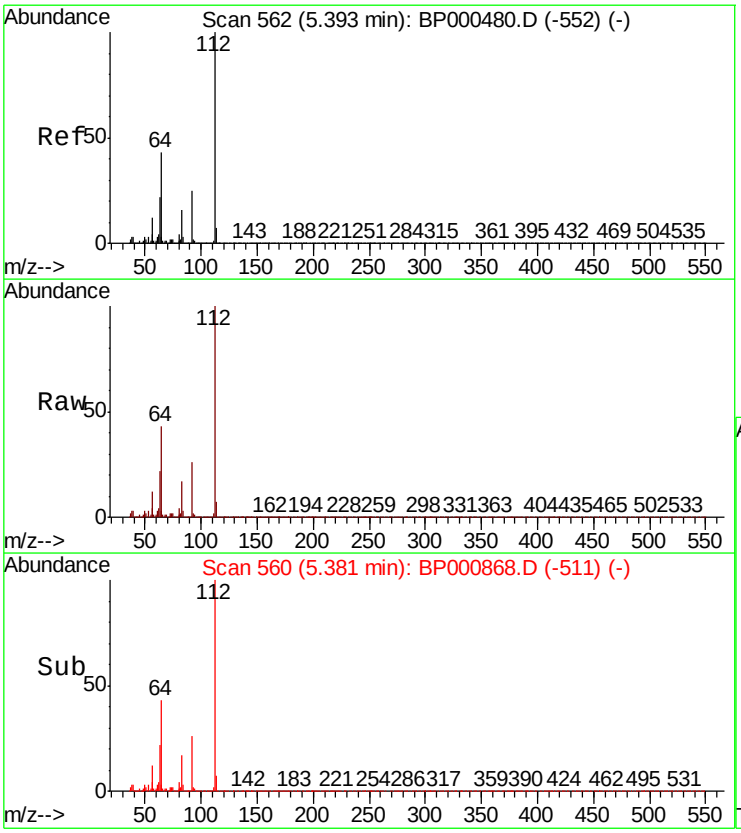
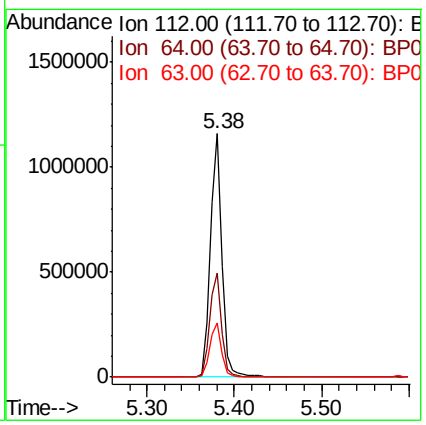
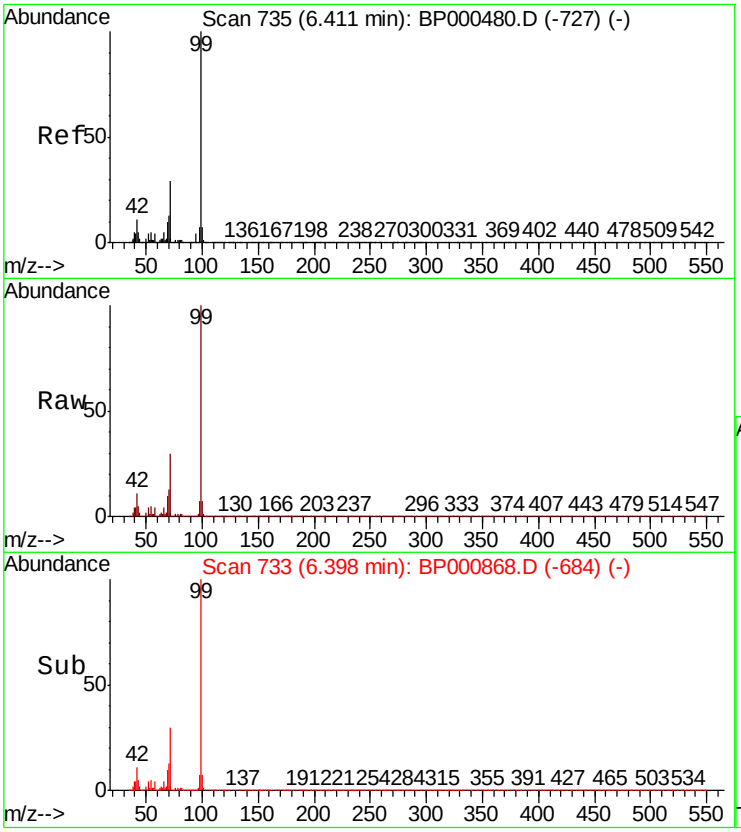


#5
2-Fluorophenol
Concen: 84.845 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:112 Resp: 1060440

Ion	Ratio	Lower	Upper
112	100		
64	42.9	34.2	51.4
63	22.5	17.9	26.9

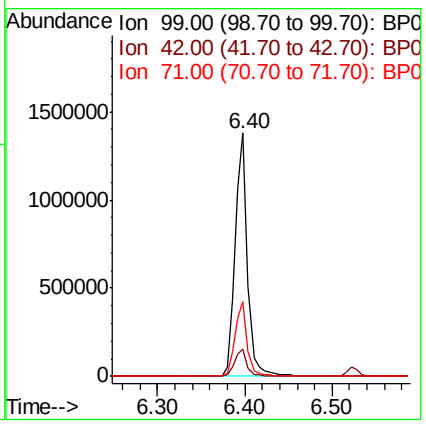




#7
Phenol-d6
Concen: 87.590 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion: 99 Resp: 1319225

Ion	Ratio	Lower	Upper
99	100		
42	11.0	8.6	12.8
71	30.4	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

Manual Integrations APPROVED
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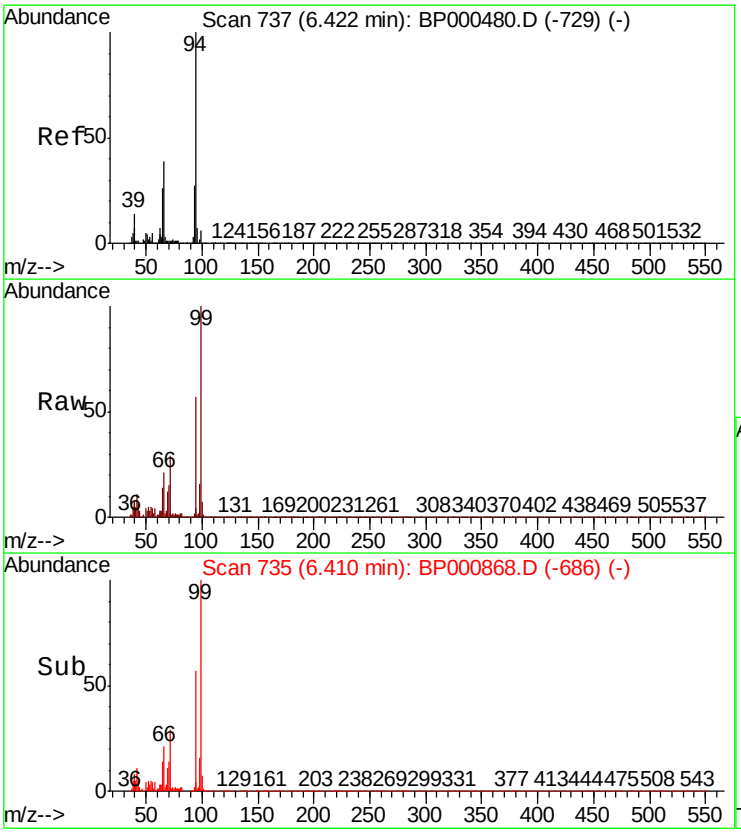
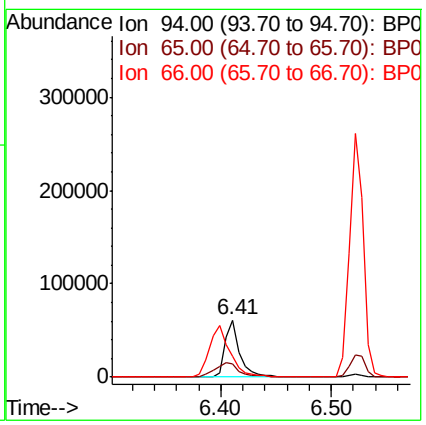
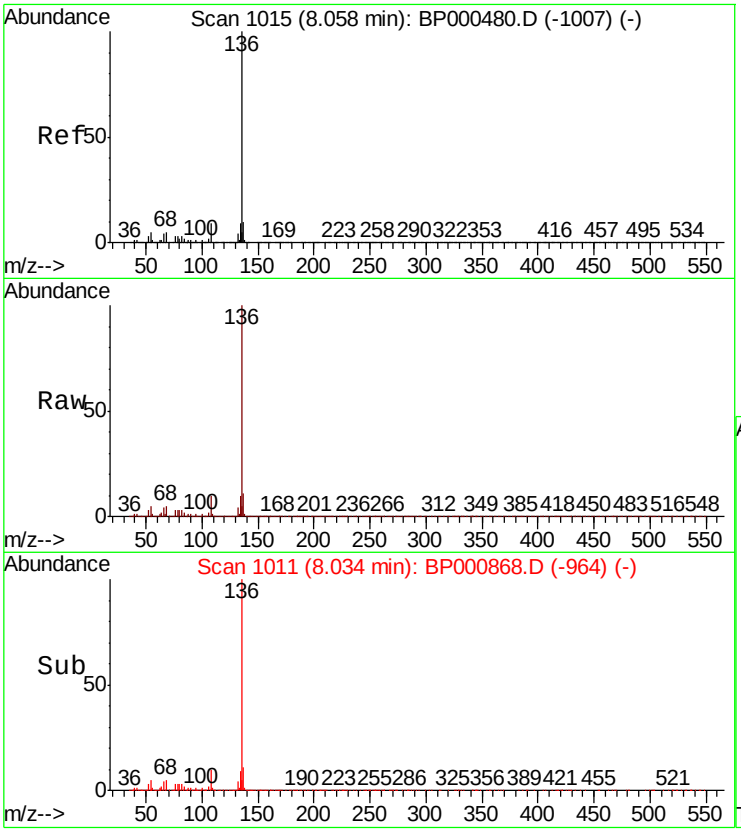


#10
Phenol
Concen: 3.789 ng
RT: 6.41 min Scan# 735
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion: 94 Resp: 58434

Ion	Ratio	Lower	Upper
94	100		
65	24.2	5.9	45.9
66	37.6	18.8	58.8

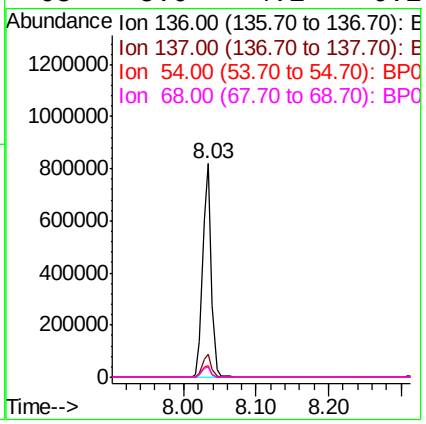




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:136 Resp: 671863

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	5.2	4.1	6.1
68	5.0	4.1	6.1



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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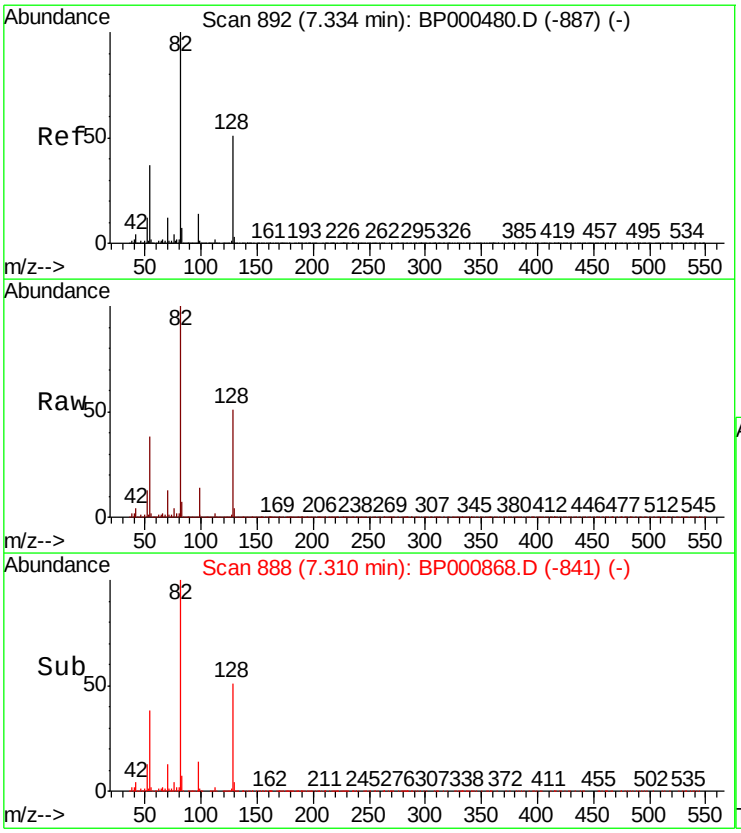
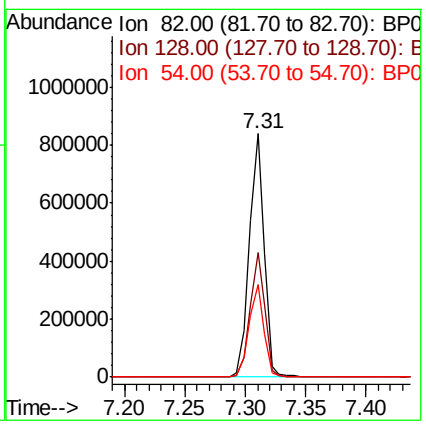
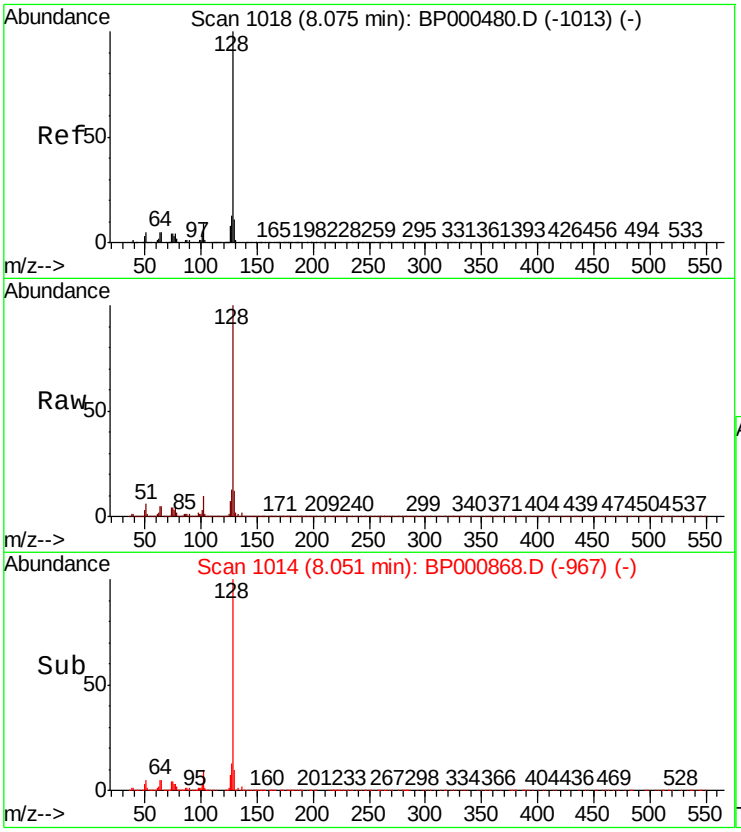


#23
Nitrobenzene-d5
Concen: 65.760 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion: 82 Resp: 723397

Ion	Ratio	Lower	Upper
82	100		
128	51.1	40.9	61.3
54	38.1	29.4	44.2

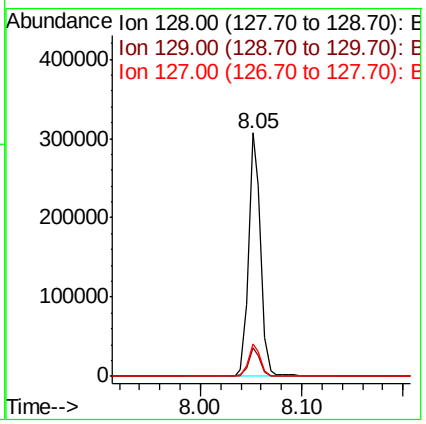




#31
Naphthalene
Concen: 8.024 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:128 Resp: 251782

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.3	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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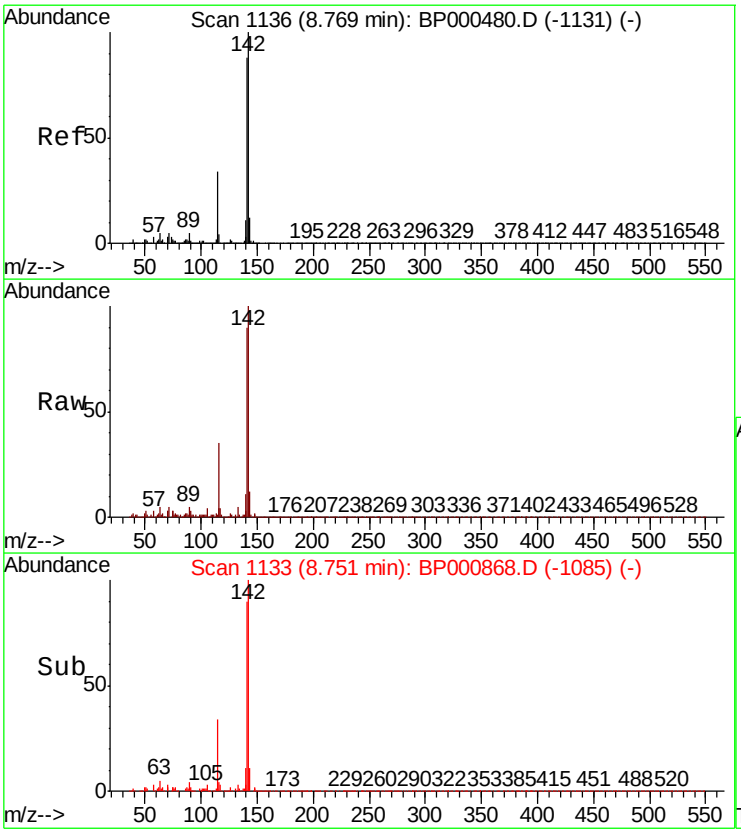
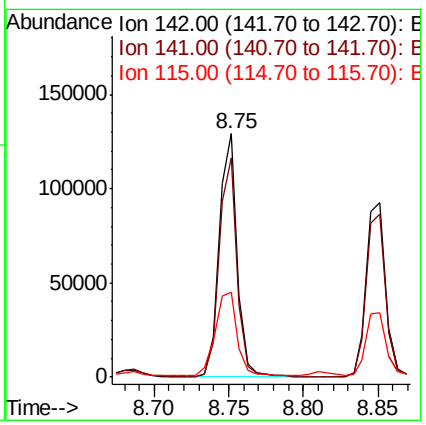
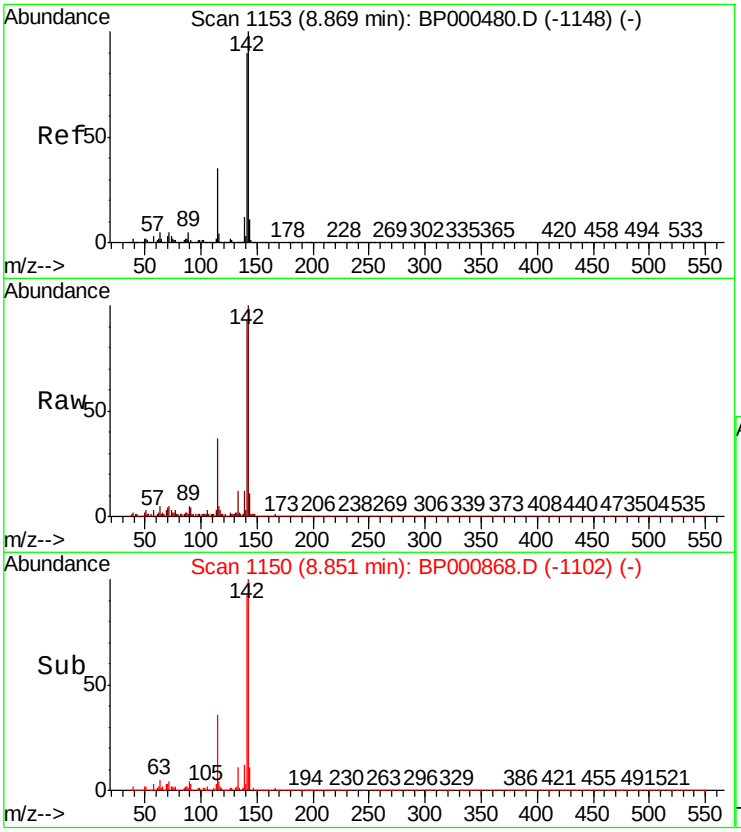


#37
2-Methylnaphthalene
Concen: 5.205 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:142 Resp: 109633

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.6	106.0
115	34.8	27.4	41.0

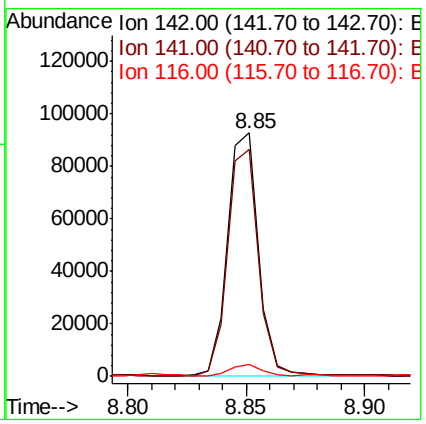




#38
1-Methylnaphthalene
Concen: 4.230 ng m
RT: 8.85 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:142 Resp: 84182

Ion	Ratio	Lower	Upper
142	100		
141	93.1	71.9	107.9
116	4.7	3.0	4.4#



Instrument :
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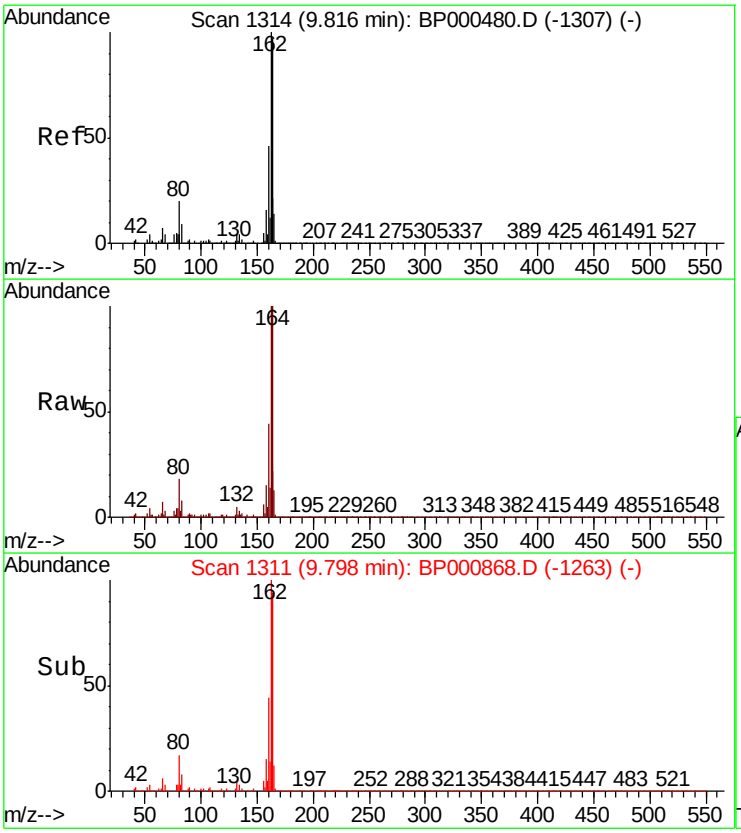
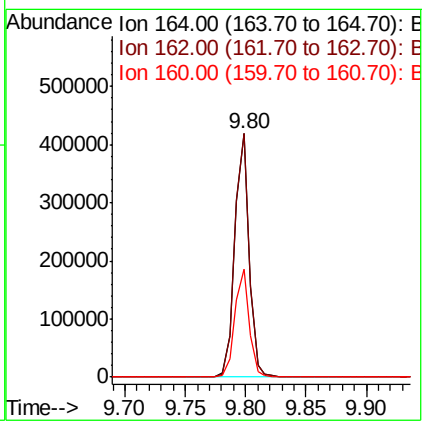
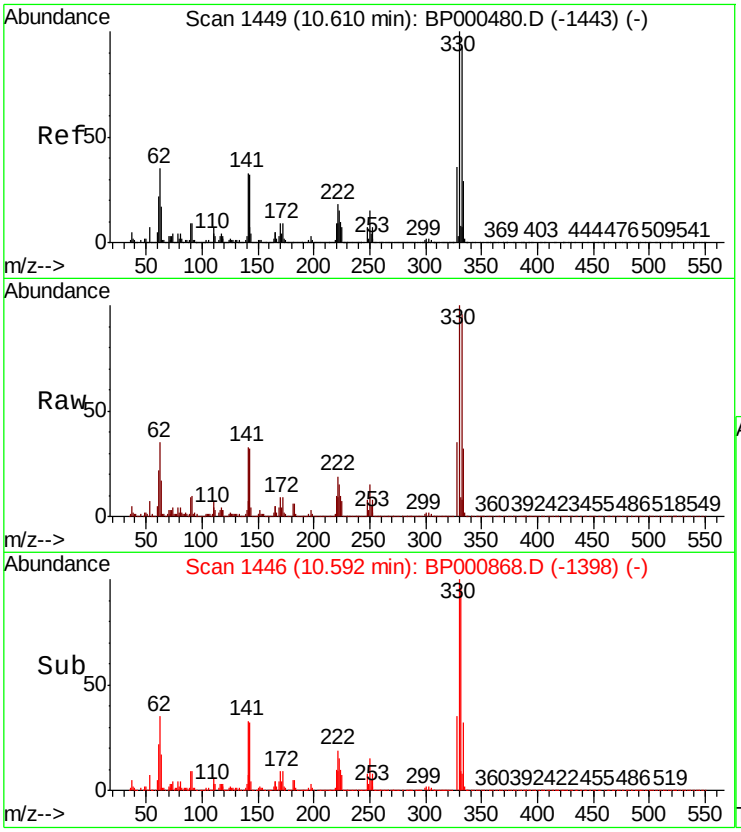


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:164 Resp: 347343

Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.2	123.2
160	44.1	37.6	56.4

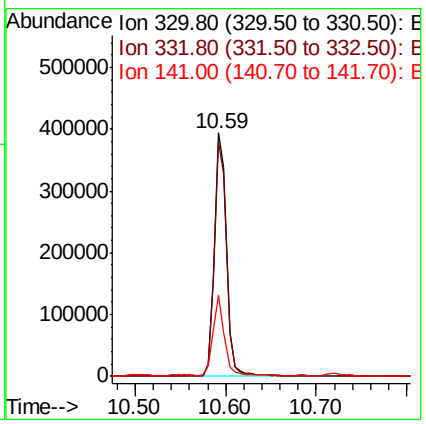




#42
2,4,6-Tribromophenol
Concen: 99.335 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:330 Resp: 367674

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.6	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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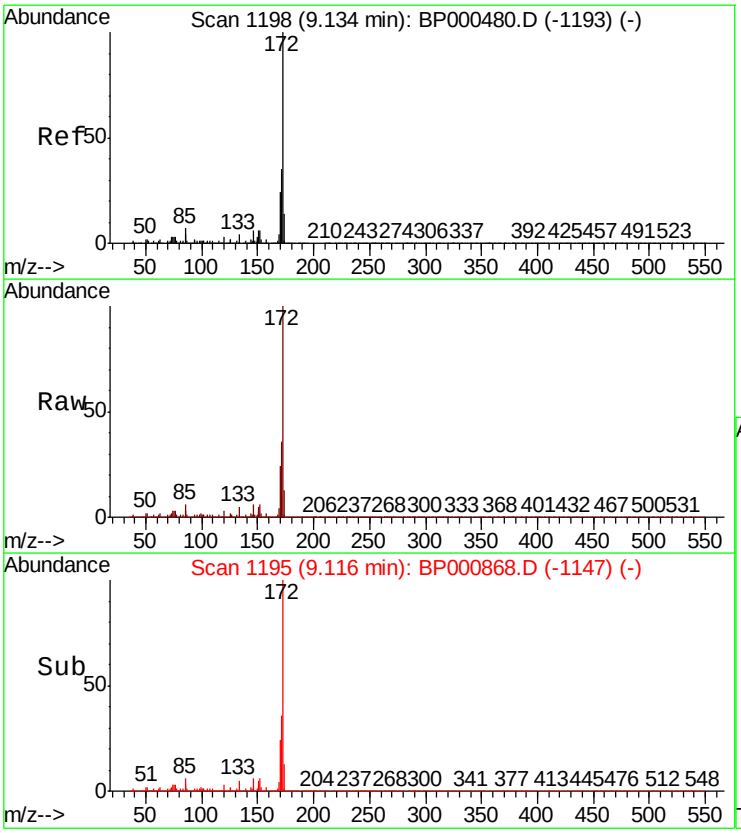
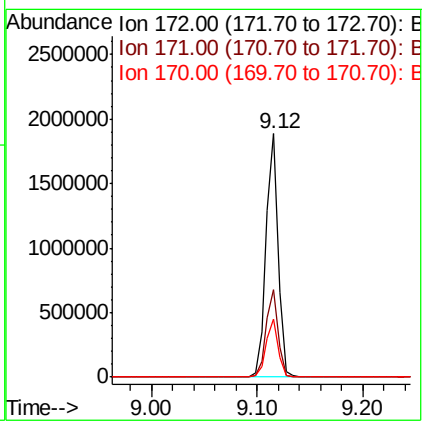
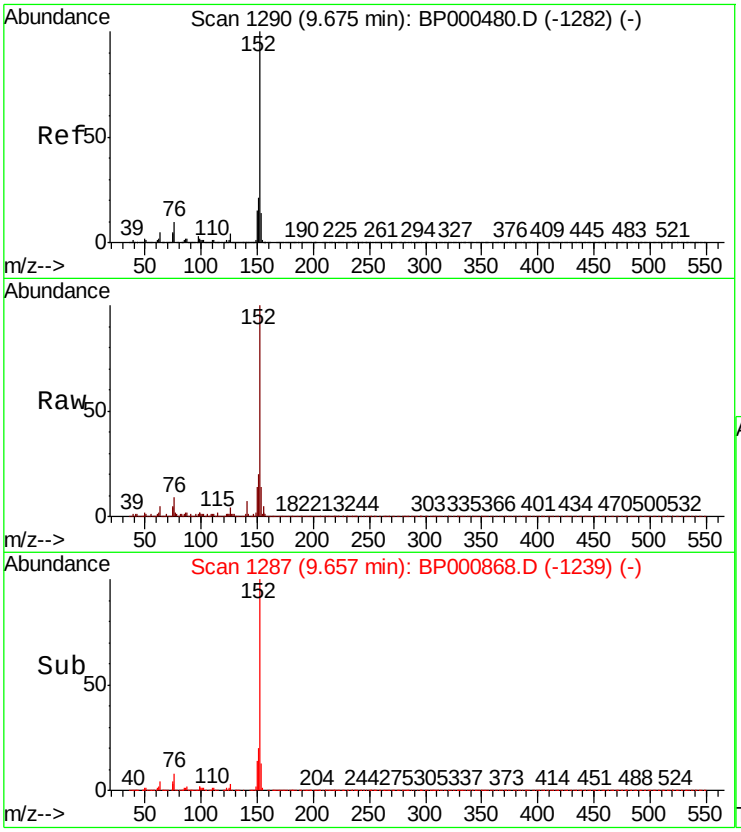


#45
2-Fluorobiphenyl
Concen: 70.808 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:172 Resp: 1520067

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.4	42.6
170	24.0	19.1	28.7

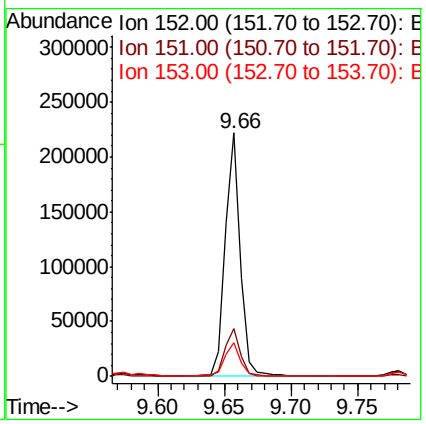




#49
Acenaphthylene
Concen: 5.774 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:152 Resp: 176613

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	25.0
153	13.9	11.0	16.6



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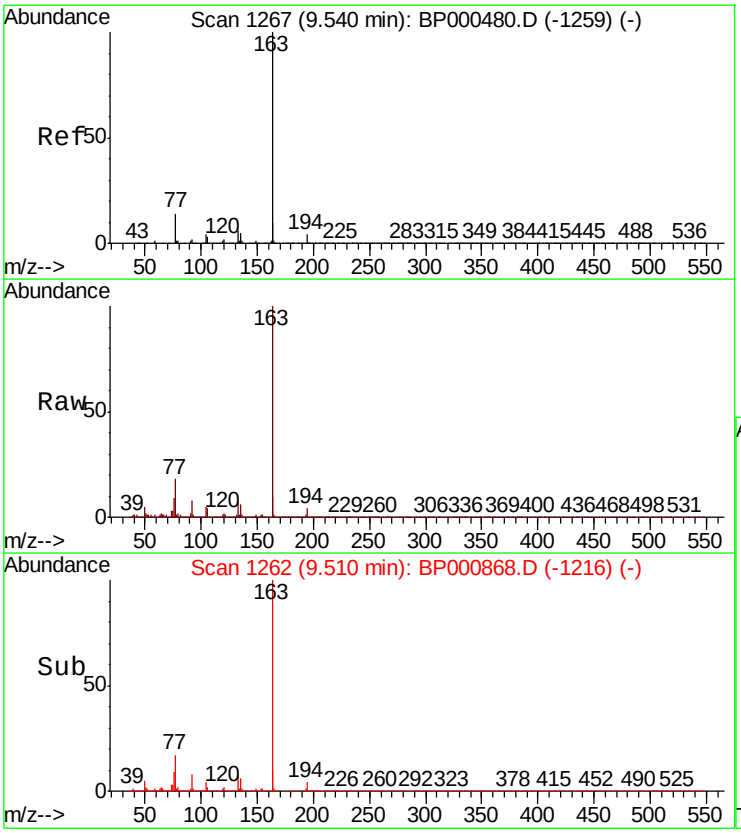
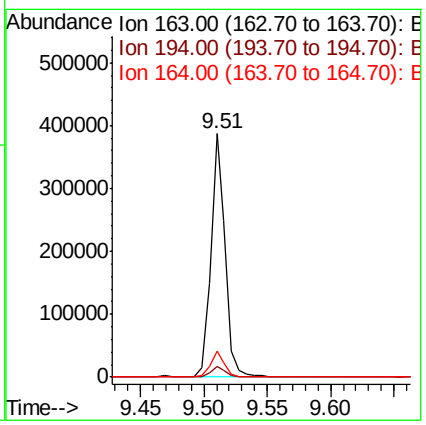
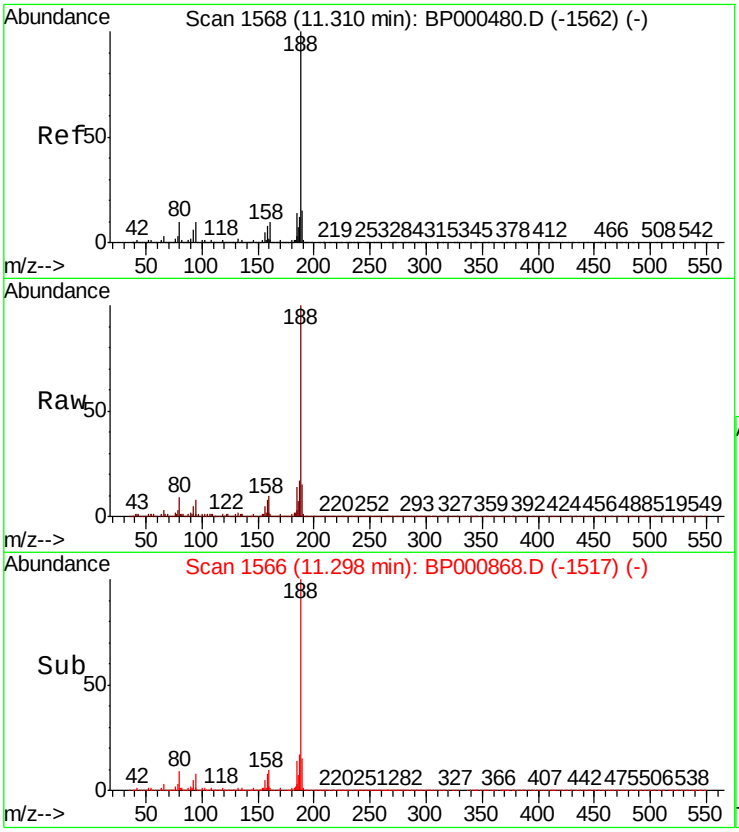


#50
Dimethylphthalate
Concen: 12.646 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:163 Resp: 305218

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.4	8.0	12.0

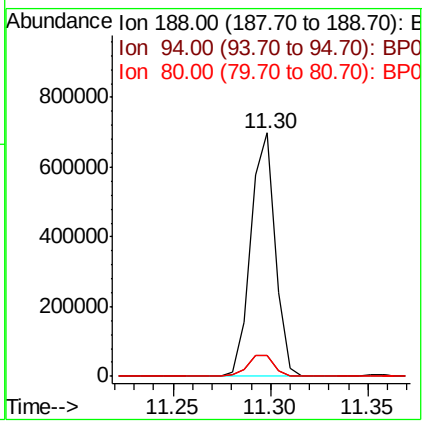




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:188 Resp: 601736

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	8.8	8.3	12.5



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

Manual Integrations APPROVED
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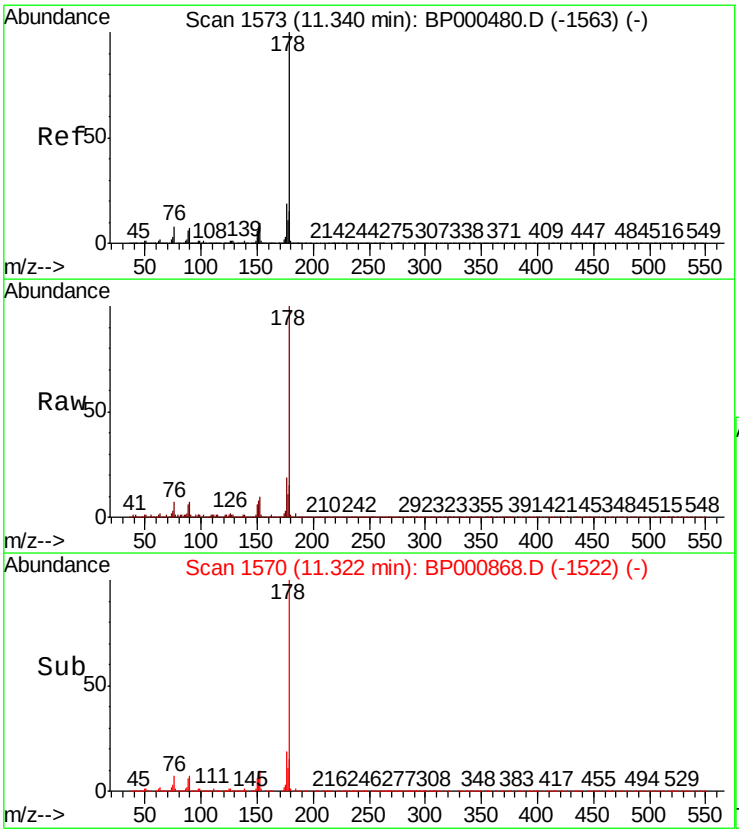
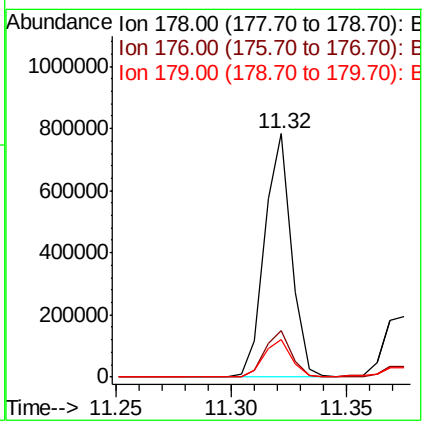
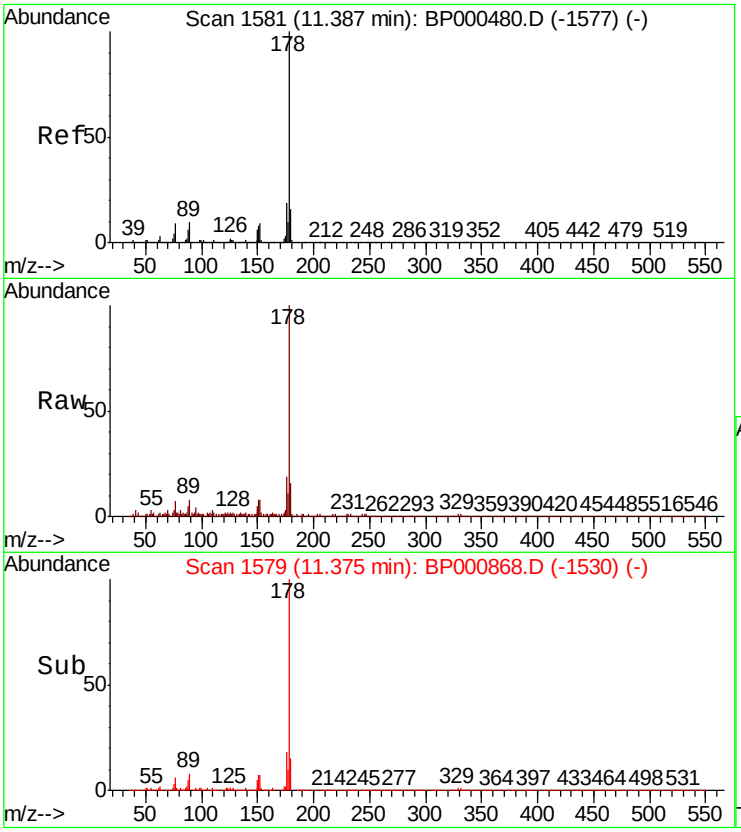


#71
Phenanthrene
Concen: 20.826 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:178 Resp: 629371

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.2	18.4

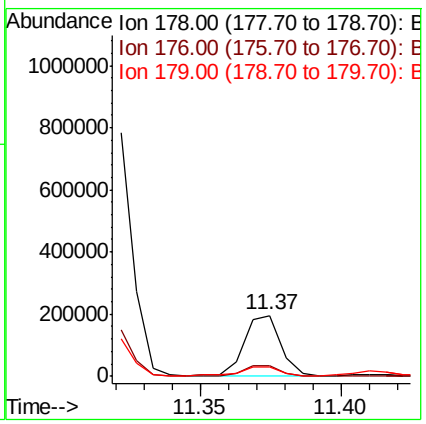




#72
Anthracene
Concen: 5.654 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:178 Resp: 169413

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.5	12.6	19.0



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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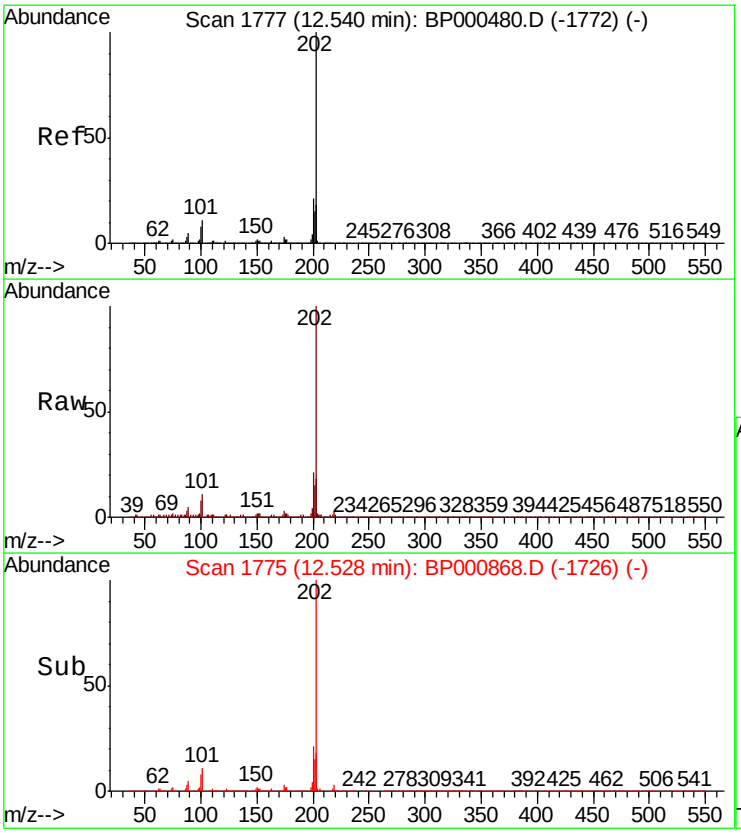
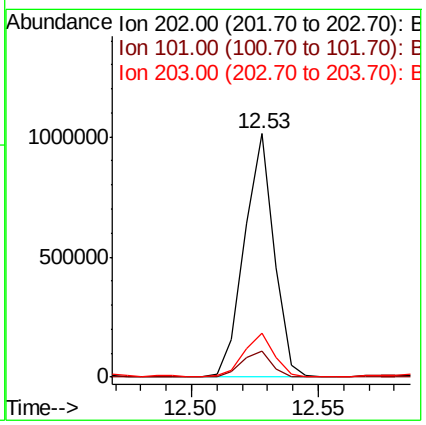
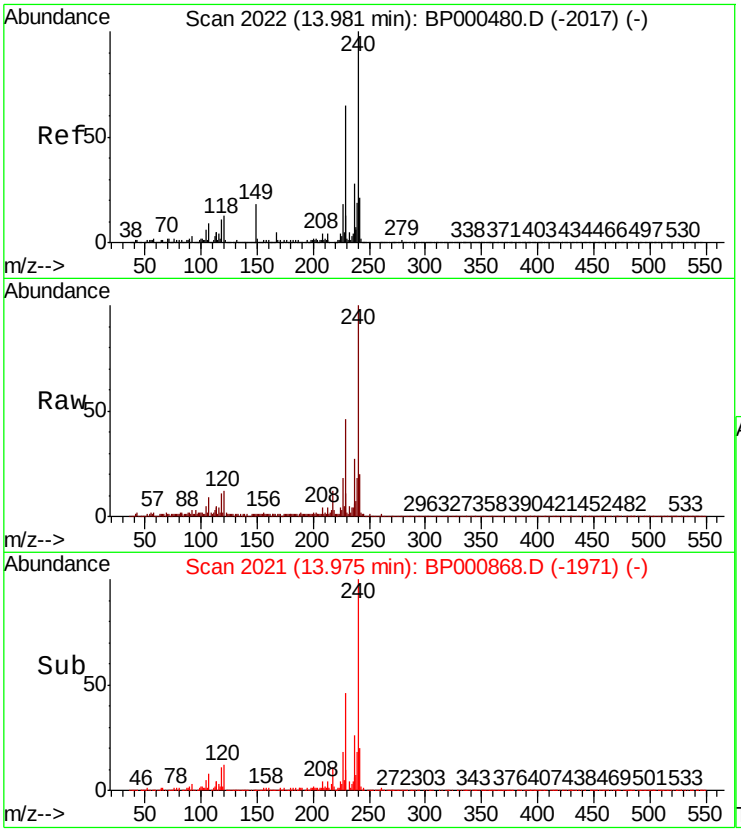


#75
Fluoranthene
Concen: 24.194 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:202 Resp: 821164

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	18.0	0.0	38.1

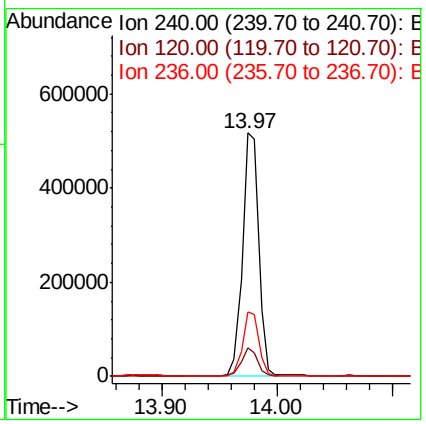




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:240 Resp: 504208

Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.1	15.1
236	26.7	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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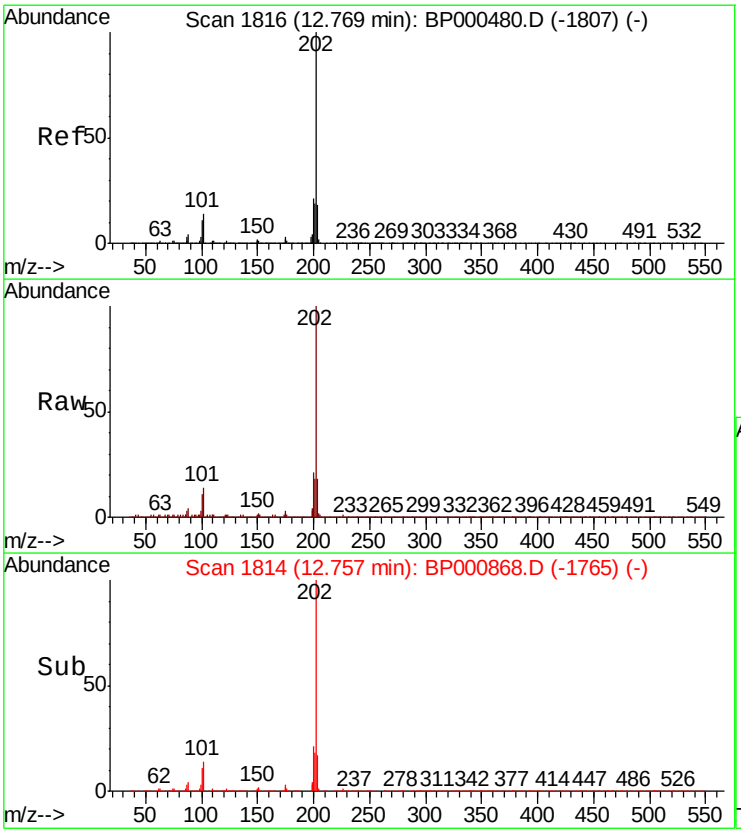
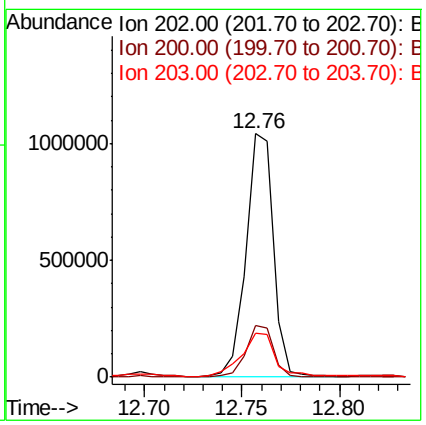
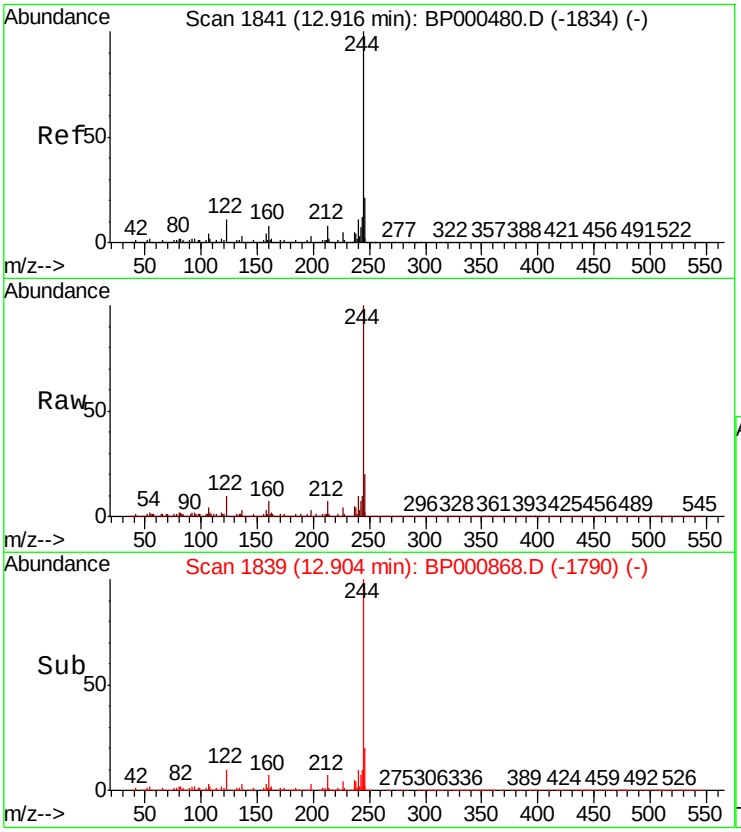


#78
Pyrene
Concen: 28.879 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:202 Resp: 1004274

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.0	14.6	21.8

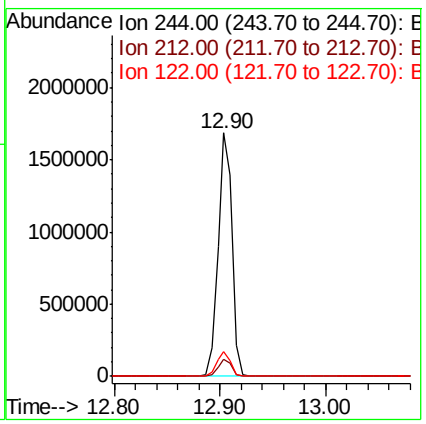




#79
Terphenyl-d14
Concen: 62.937 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:244 Resp: 1567286

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	10.4	8.9	13.3



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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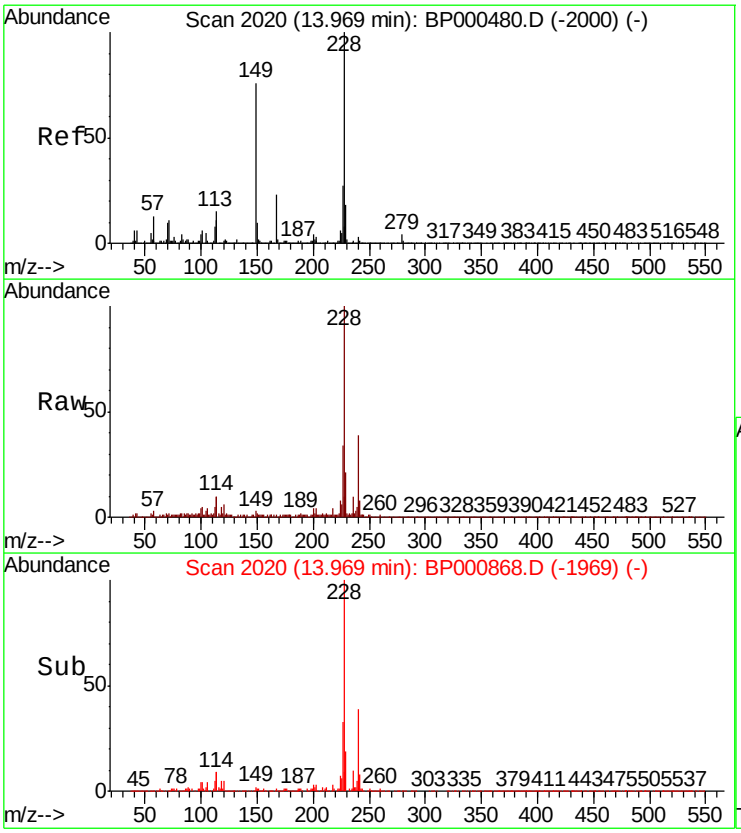
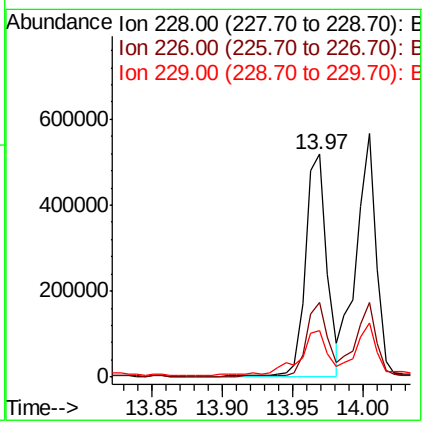
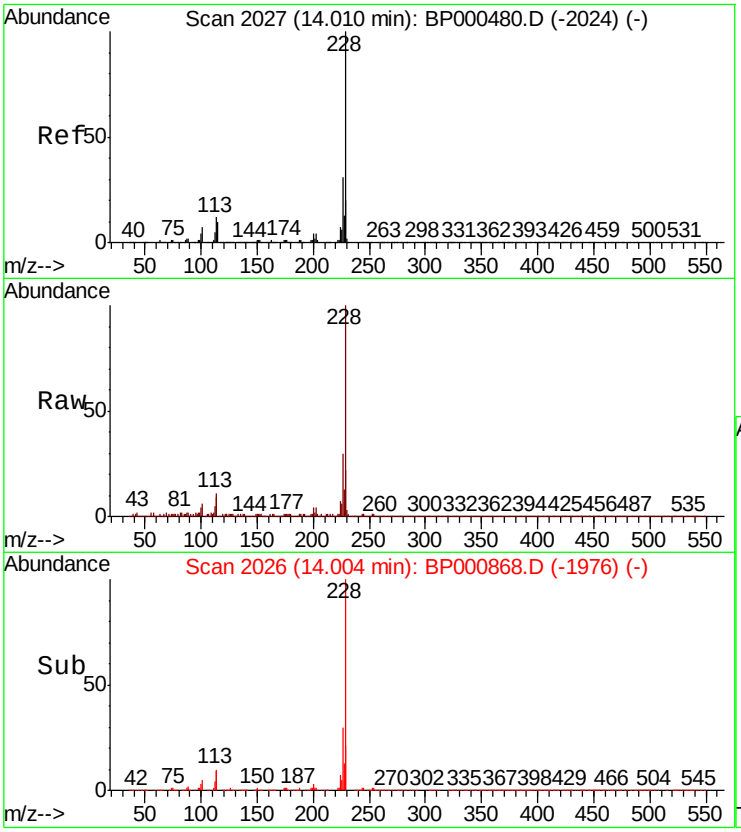


#81
Benzo(a)anthracene
Concen: 17.585 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:228 Resp: 540991

Ion	Ratio	Lower	Upper
228	100		
226	33.6	21.4	32.2#
229	20.7	14.7	22.1

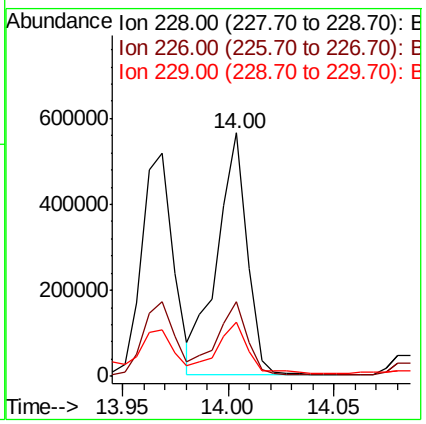




#83
Chrysene
Concen: 18.470 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:228 Resp: 557703

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	22.3	16.3	24.5



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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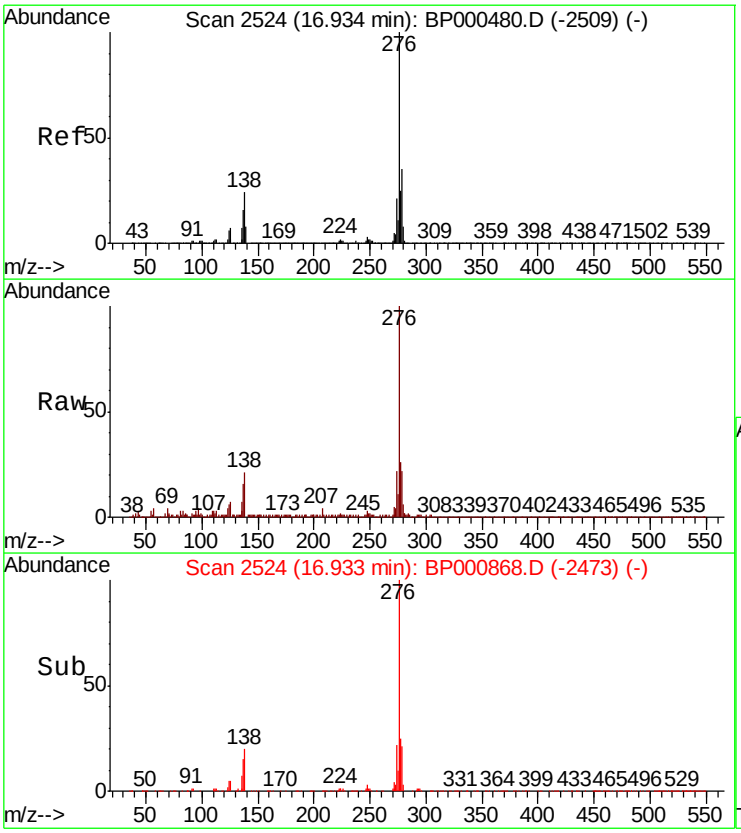
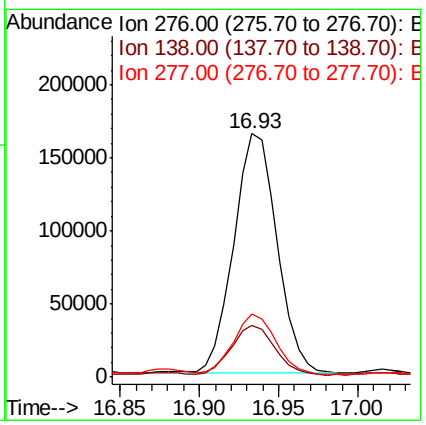
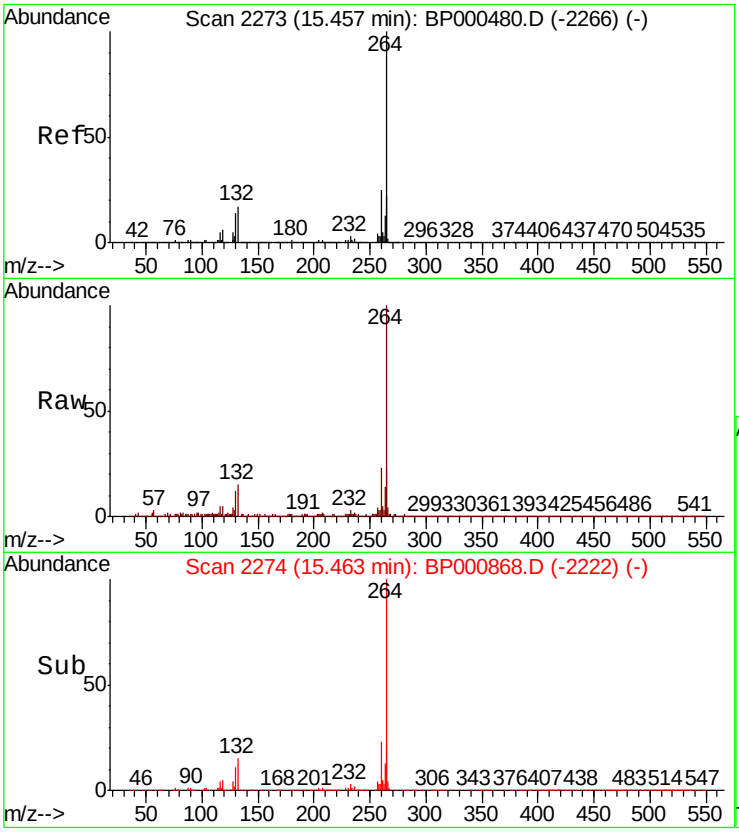


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.212 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:276 Resp: 309734

Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.9	31.3#
277	25.1	20.6	30.8

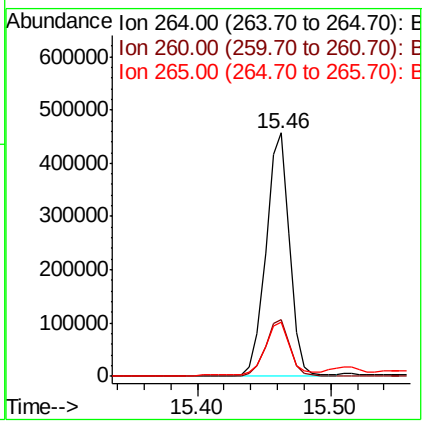




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:264 Resp: 561134

Ion	Ratio	Lower	Upper
264	100		
260	23.3	20.3	30.5
265	22.2	18.0	27.0



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

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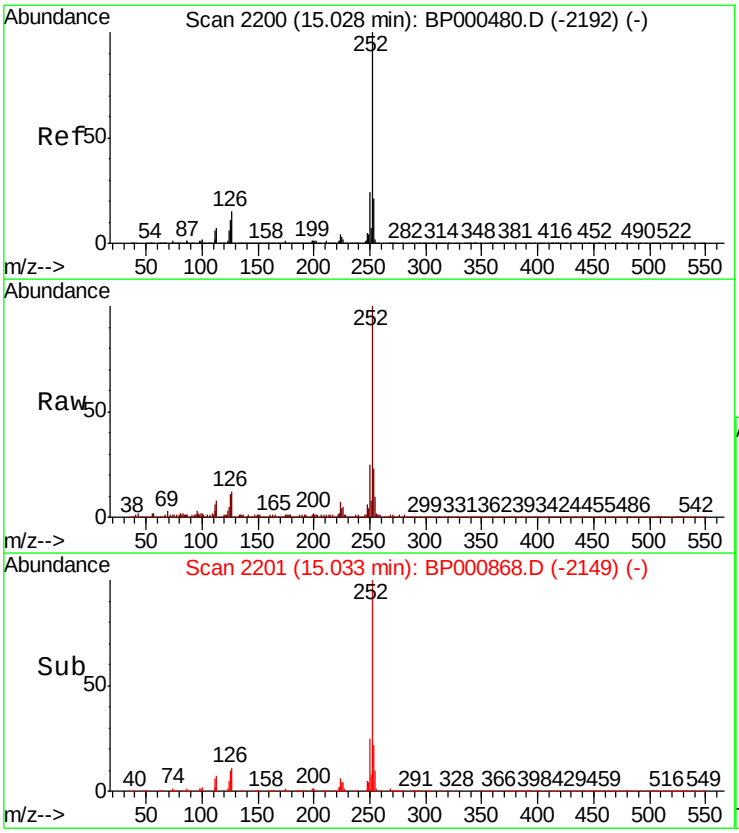
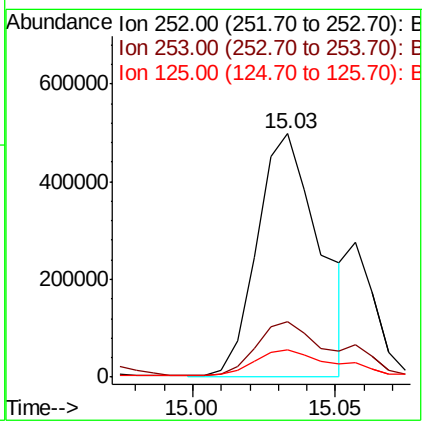
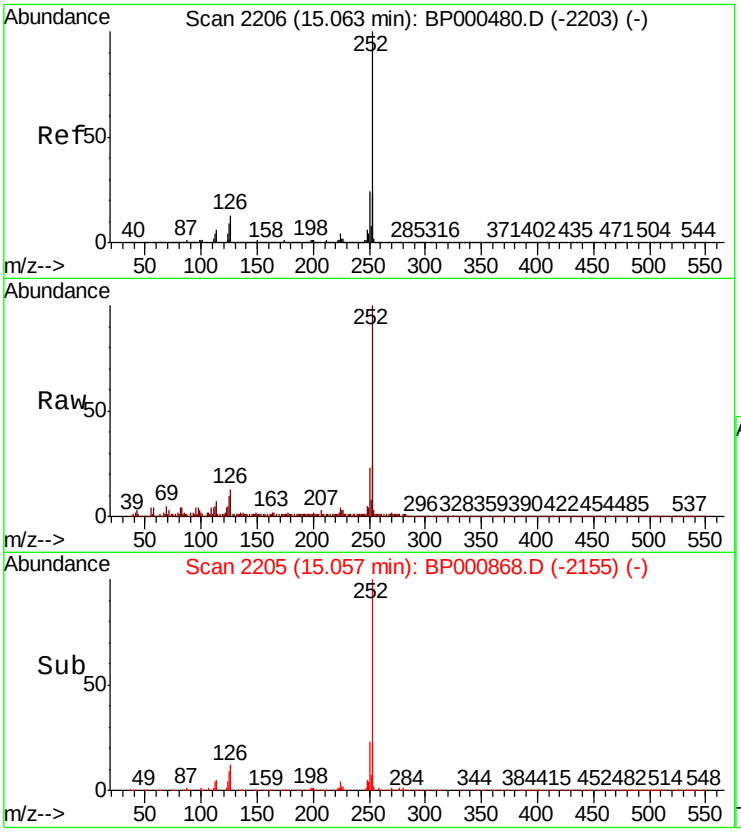


#88
Benzo(b)fluoranthene
Concen: 23.723 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:252 Resp: 755200

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	11.2	8.9	13.3

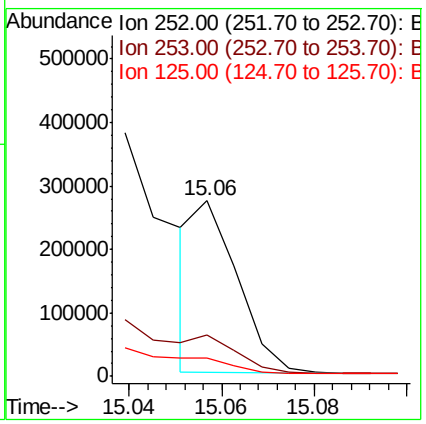




#89
Benzo(k)fluoranthene
Concen: 5.724 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:252 Resp: 173468

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	10.4	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

Manual Integrations APPROVED
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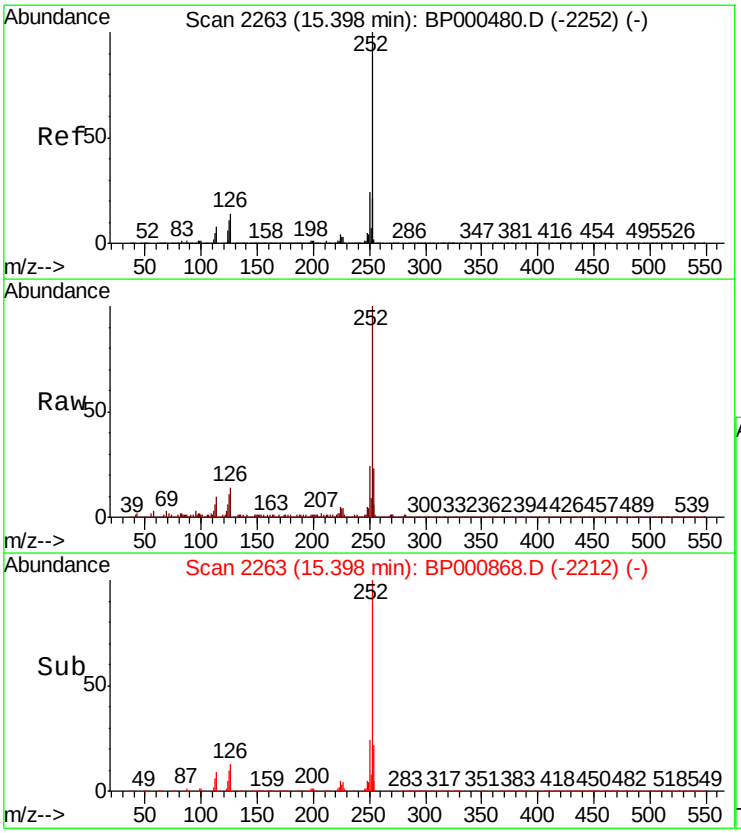
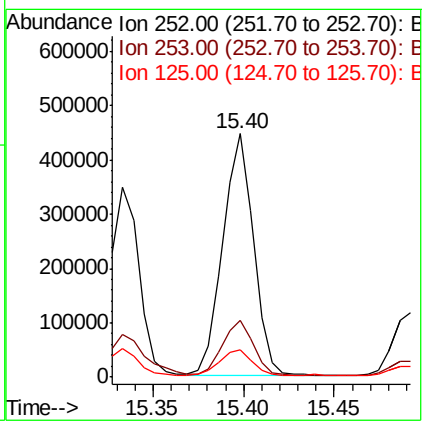
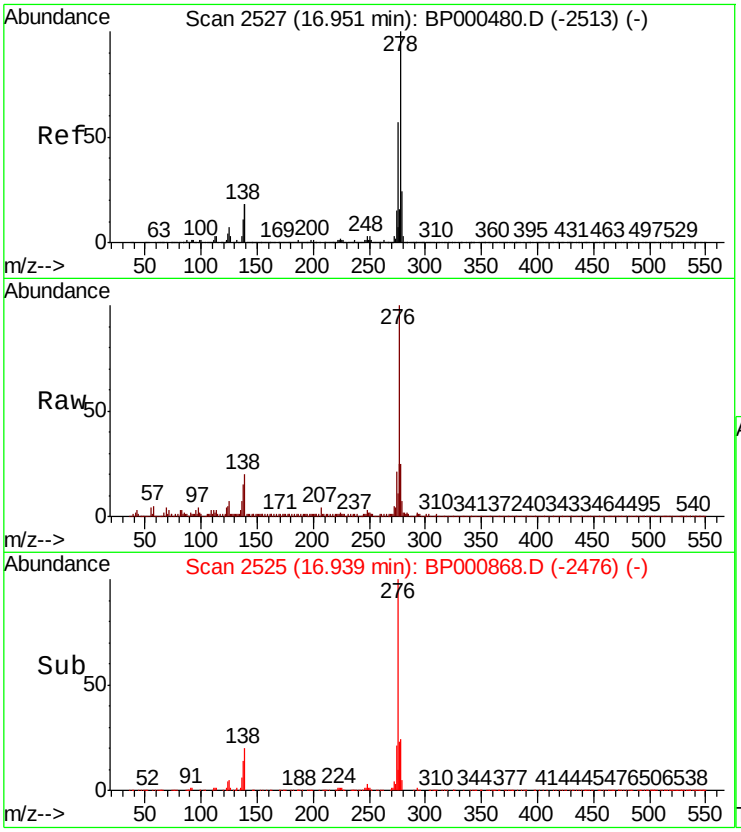


#90
Benzo(a)pyrene
Concen: 17.773 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:252 Resp: 527434

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	11.3	8.4	12.6

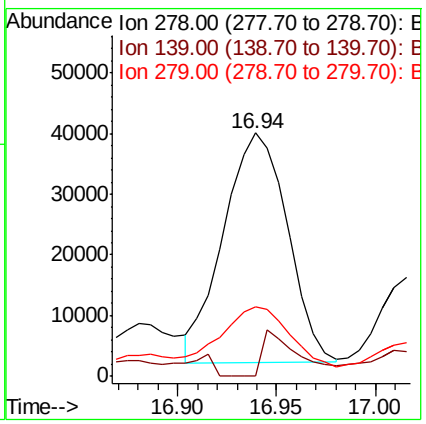




#91
Dibenzo(a,h)anthracene
Concen: 2.952 ng m
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:278 Resp: 84969

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.1	21.1#
279	28.5	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
T-17-F1-(0-30)

Manual Integrations APPROVED
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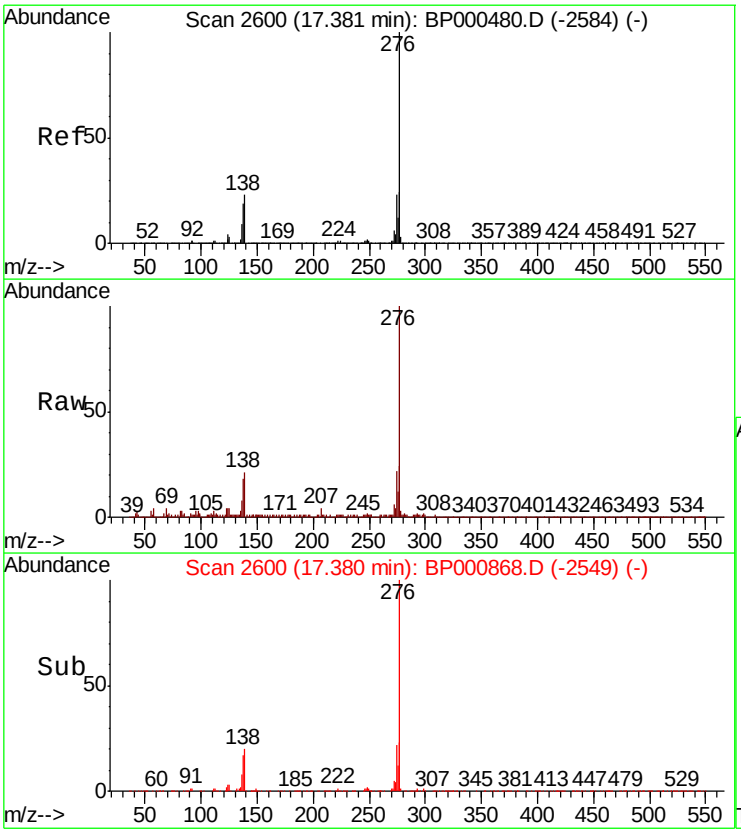

#92
Benzo(g,h,i)perylene
Concen: 10.974 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.00 min
Lab File: BP000868.D
Acq: 18 Oct 2019 05:05

Tgt Ion:276 Resp: 320950

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	20.9	18.5	27.7