Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001139.D
Acq On : 02 Dec 2019 21:42
Operator : JU
Sample : K5676-35 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-112719

Manual Integrations APPROVED
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12/4/2019 4:59:44 PM

Quant Time: Dec 03 01:11:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	146953	20.00	ng		0.00
21) Naphthalene-d8	10.36	136	539133	20.00	ng		0.00
39) Acenaphthene-d10	13.23	164	286623	20.00	ng		0.00
64) Phenanthrene-d10	15.63	188	532126	20.00	ng		0.00
76) Chrysene-d12	19.28	240	386952	20.00	ng		0.00
87) Perylene-d12	21.07	264	452769	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	6.23	112	396260	44.74	ng		0.00
7) Phenol-d6	7.76	99	534797	45.32	ng		0.00
23) Nitrobenzene-d5	9.20	82	336399	27.07	ng		0.00
42) 2,4,6-Tribromophenol	14.52	330	110219	40.12	ng		0.00
45) 2-Fluorobiphenyl	12.14	172	554907	28.34	ng		-0.01
79) Terphenyl-d14	17.91	244	596674	28.53	ng		0.00
Target Compounds							Qvalue
37) 2-Methylnaphthalene	11.53	142	43070	2.292	ng		95
38) 1-Methylnaphthalene	11.69	142	64788	3.650	ng	#	99
49) Acenaphthylene	12.99	152	483461	18.228	ng		99
50) Dimethylphthalate	12.81	163	76428	3.565	ng		99
52) Acenaphthene	13.28	154	79634	4.991	ng		99
55) Dibenzofuran	13.56	168	84224	3.513	ng		100
58) Fluorene	14.13	166	202711	10.552	ng		98
71) Phenanthrene	15.67	178	1567072	56.016	ng		100
72) Anthracene	15.74	178	686946	24.913	ng		99
73) Carbazole	15.98	167	71428	2.847	ng		96
75) Fluoranthene	17.39	202	2444240	82.530	ng		99
78) Pyrene	17.69	202	2811362	92.245	ng		99
81) Benzo(a)anthracene	19.27	228	1497104	55.802	ng		95
83) Chrysene	19.32	228	1379828	57.435	ng		98
86) Indeno(1,2,3-cd)pyrene	22.73	276	663766	23.444	ng		94
88) Benzo(b)fluoranthene	20.58	252	1628553m	58.888	ng		
89) Benzo(k)fluoranthene	20.61	252	528725m	19.850	ng		
90) Benzo(a)pyrene	21.00	252	1248515	49.013	ng		98
91) Dibenzo(a,h)anthracene	22.74	278	198101m	7.947	ng		
92) Benzo(g,h,i)perylene	23.23	276	595503	24.192	ng		99

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

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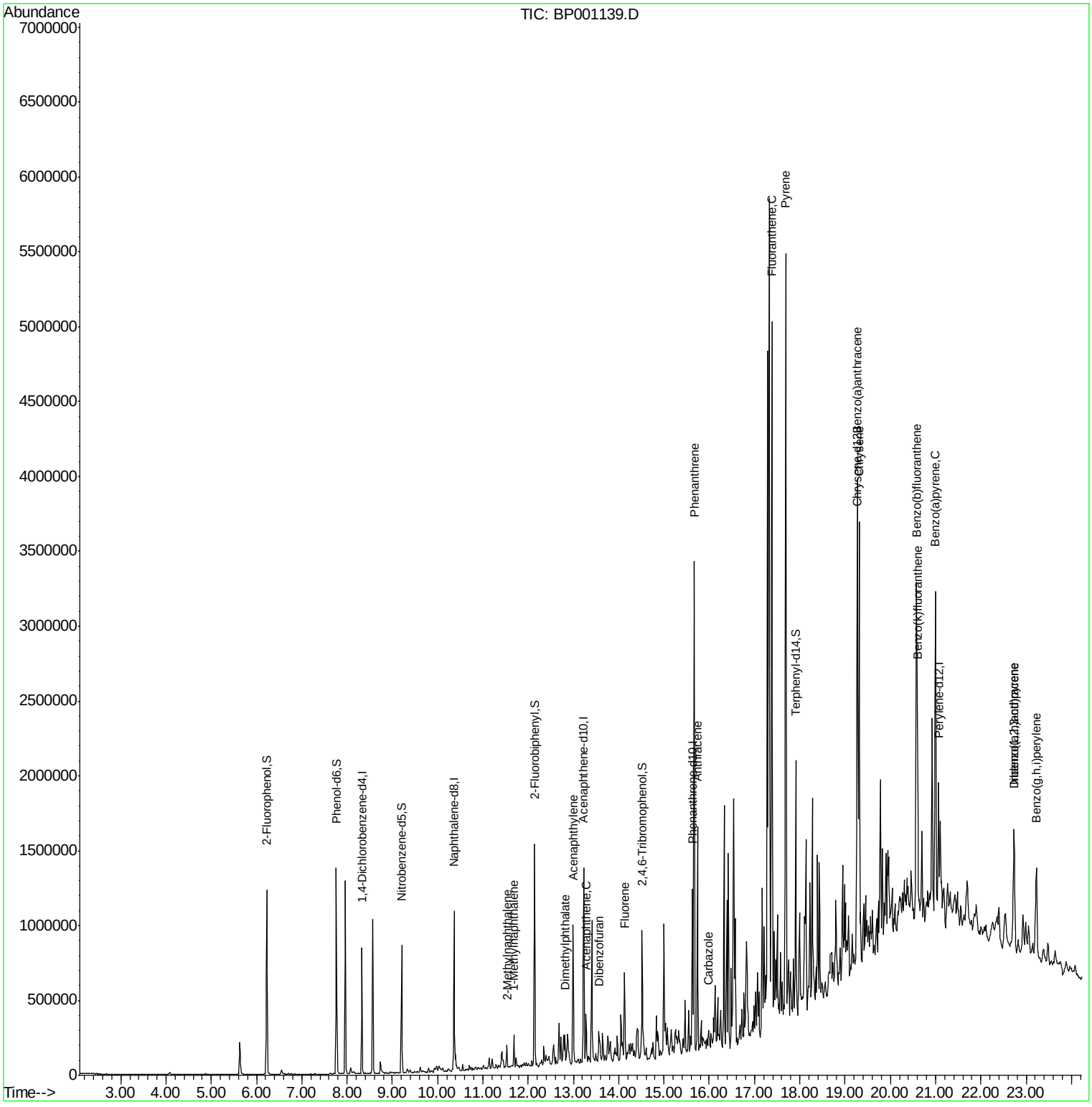
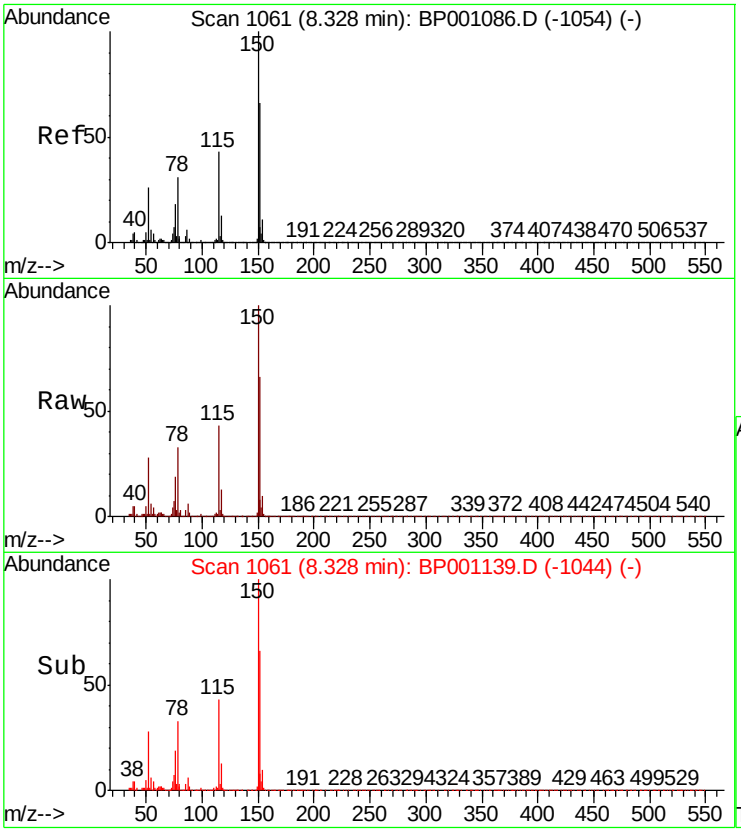
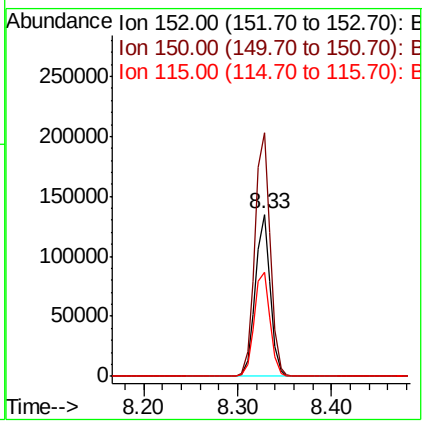




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:152 Resp: 146953

Ion	Ratio	Lower	Upper
152	100		
150	150.5	120.6	181.0
115	64.2	51.6	77.4



Instrument :
BNA_P
ClientSampleId :
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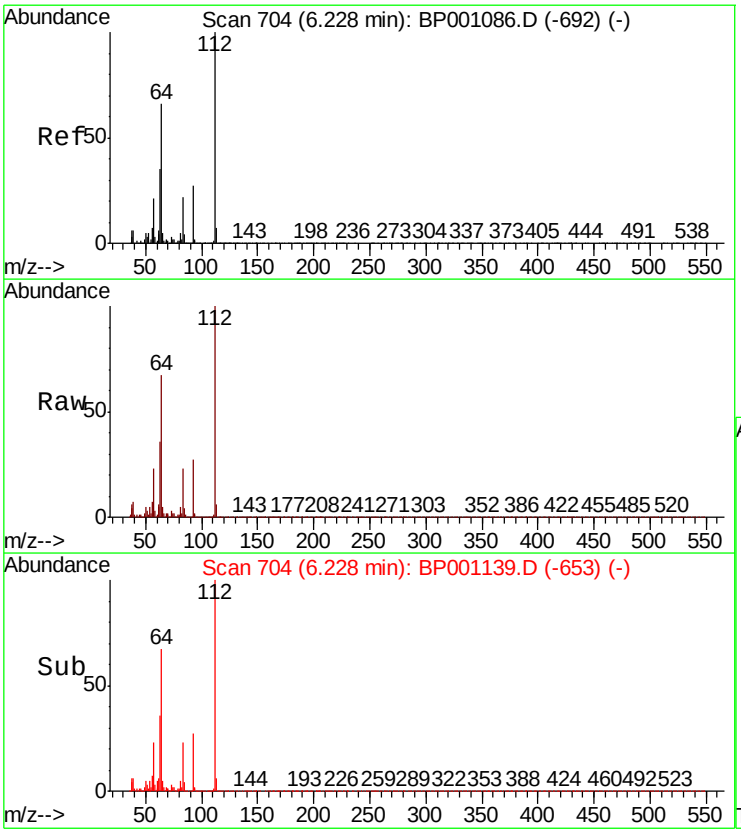
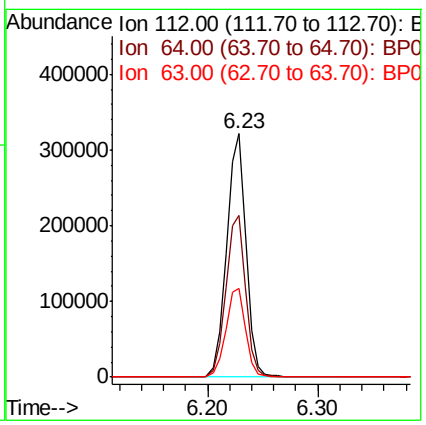
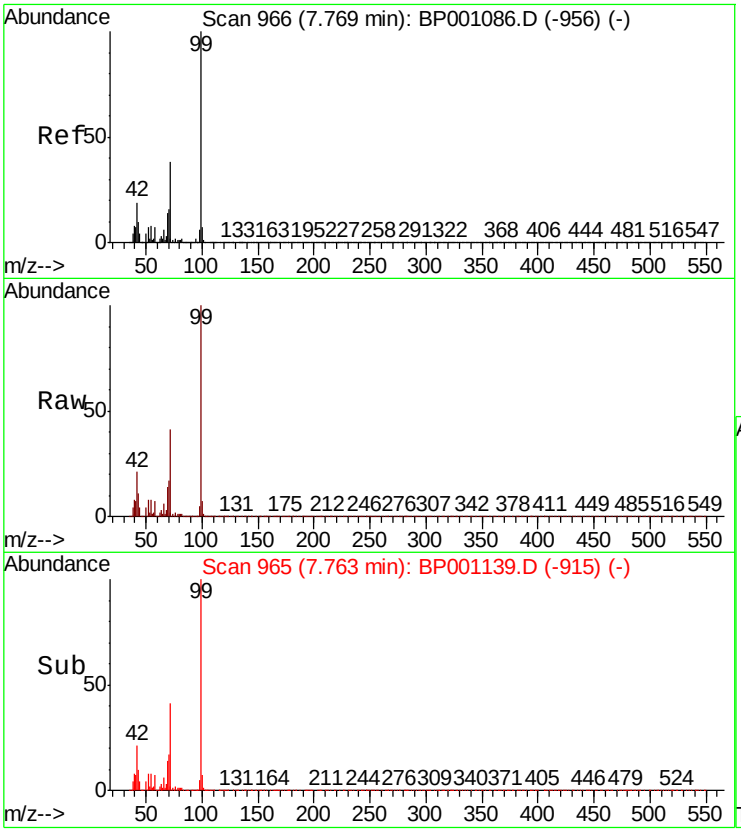


#5
2-Fluorophenol
Concen: 44.737 ng
RT: 6.23 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:112 Resp: 396260

Ion	Ratio	Lower	Upper
112	100		
64	66.6	52.8	79.2
63	36.3	28.2	42.2

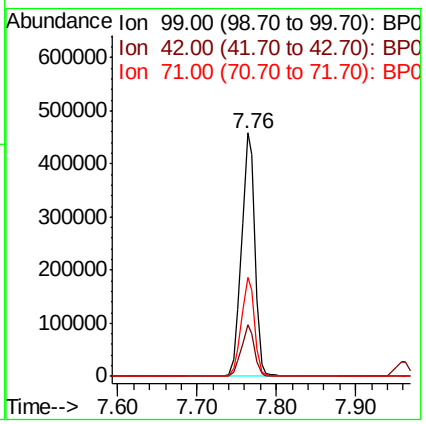




#7
Phenol-d6
Concen: 45.320 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion: 99 Resp: 534797

Ion	Ratio	Lower	Upper
99	100		
42	21.2	15.4	23.0
71	40.8	30.8	46.2



Instrument :
BNA_P
ClientSampleId :
SU-01-112719

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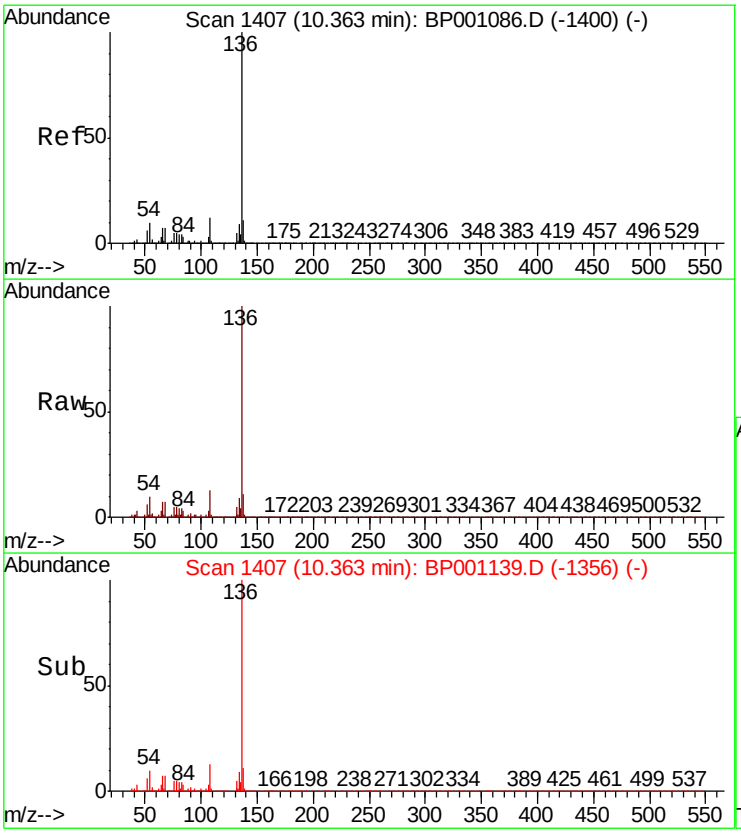
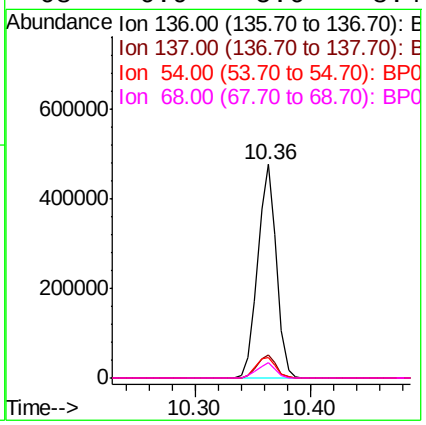
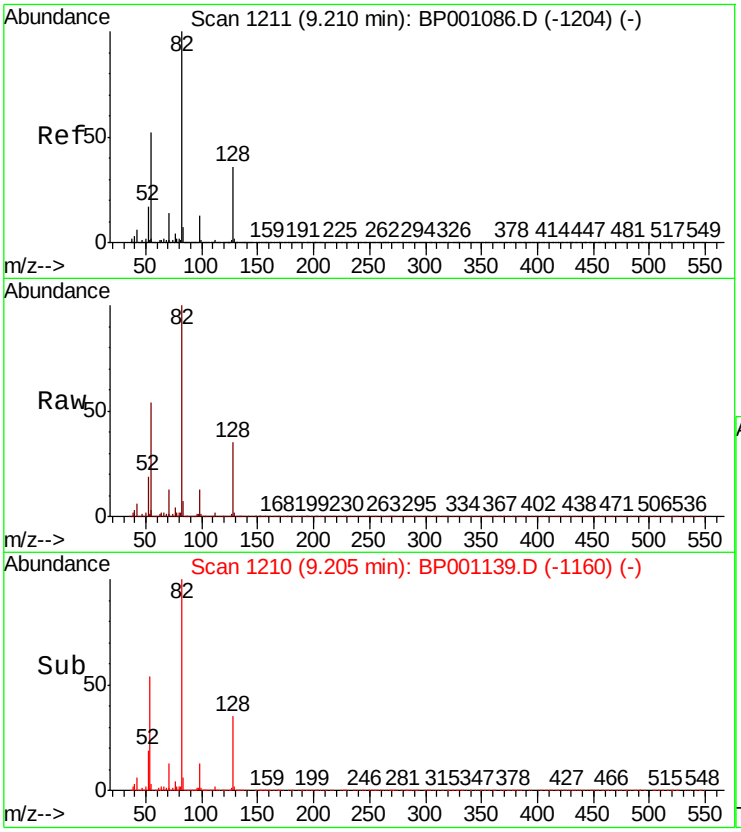


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:136 Resp: 539133

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.6	7.9	11.9
68	6.9	5.6	8.4

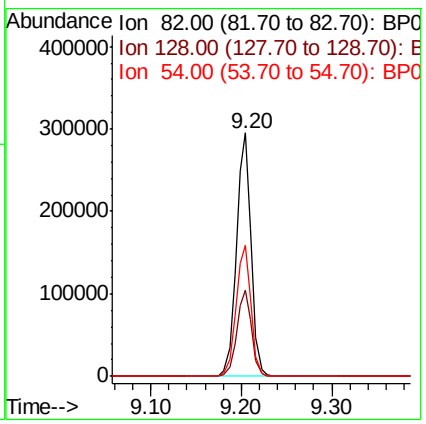




#23
Nitrobenzene-d5
Concen: 27.071 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion: 82 Resp: 336399

Ion	Ratio	Lower	Upper
82	100		
128	35.3	28.9	43.3
54	53.6	41.9	62.9



Instrument :
BNA_P
ClientSampleId :
SU-01-112719

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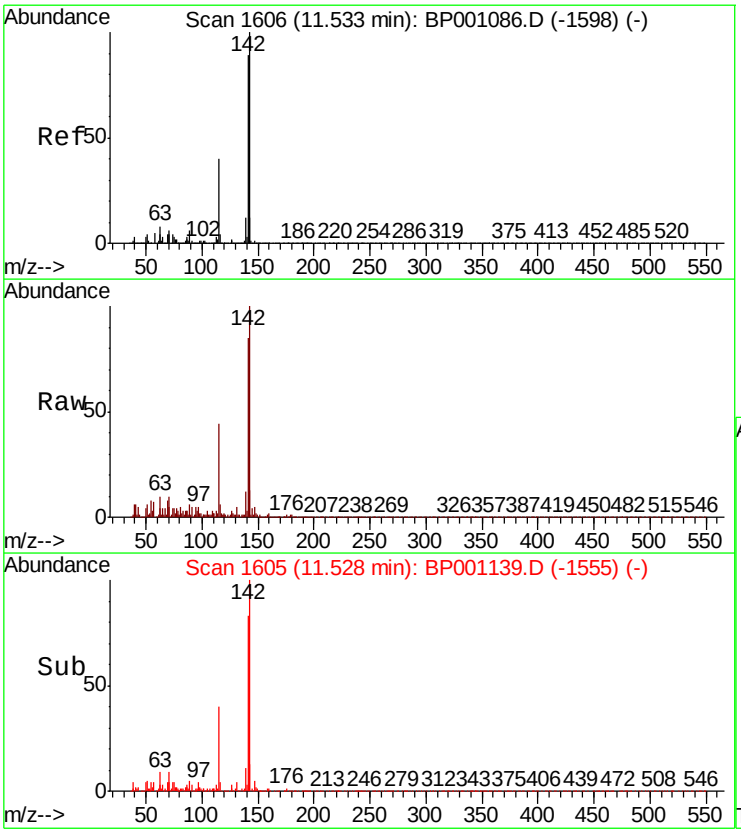
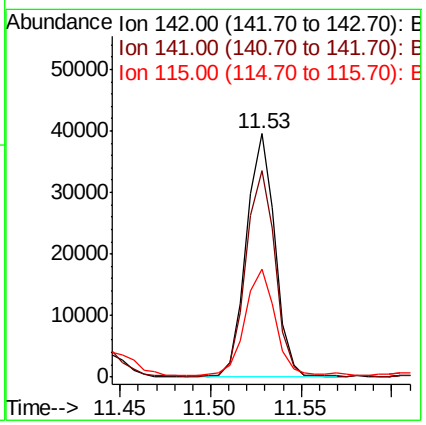
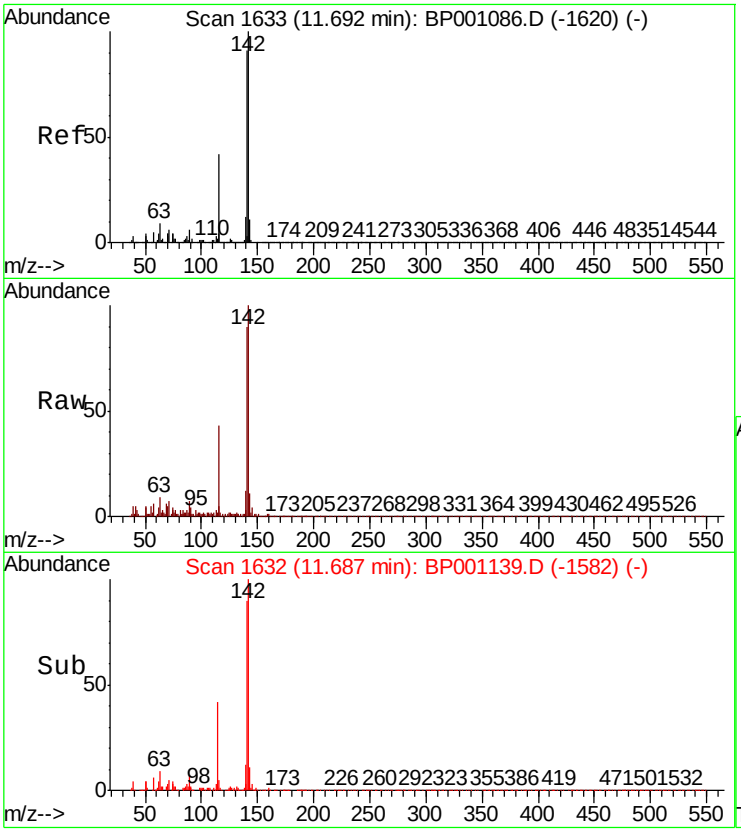


#37
2-Methylnaphthalene
Concen: 2.292 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:142 Resp: 43070

Ion	Ratio	Lower	Upper
142	100		
141	84.7	71.1	106.7
115	44.2	32.3	48.5

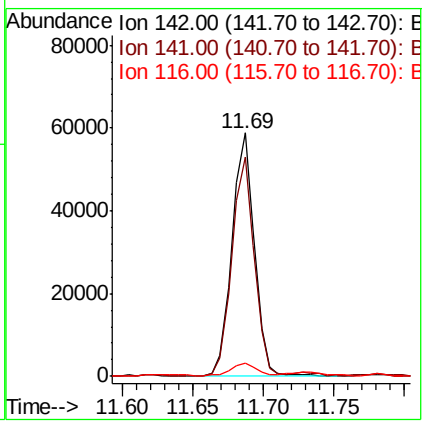




#38
1-Methylnaphthalene
Concen: 3.650 ng
RT: 11.69 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:142 Resp: 64788

Ion	Ratio	Lower	Upper
142	100		
141	90.2	73.0	109.4
116	5.3	3.4	5.2#



Instrument :
BNA_P
ClientSampleId :
SU-01-112719

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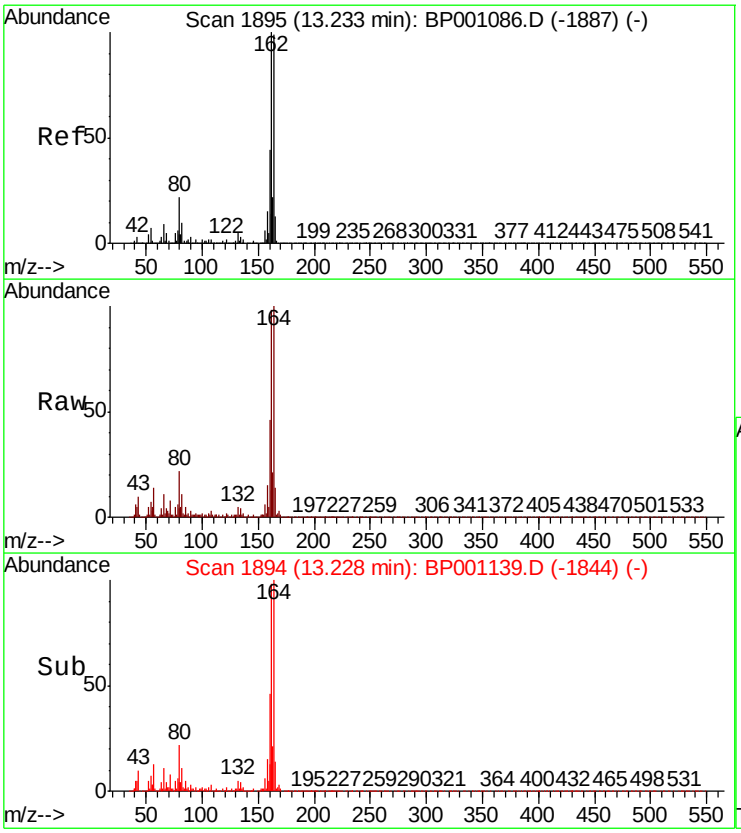
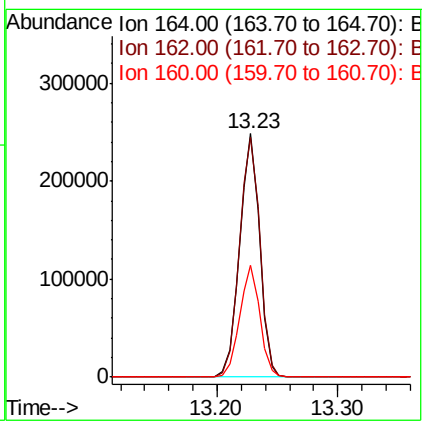
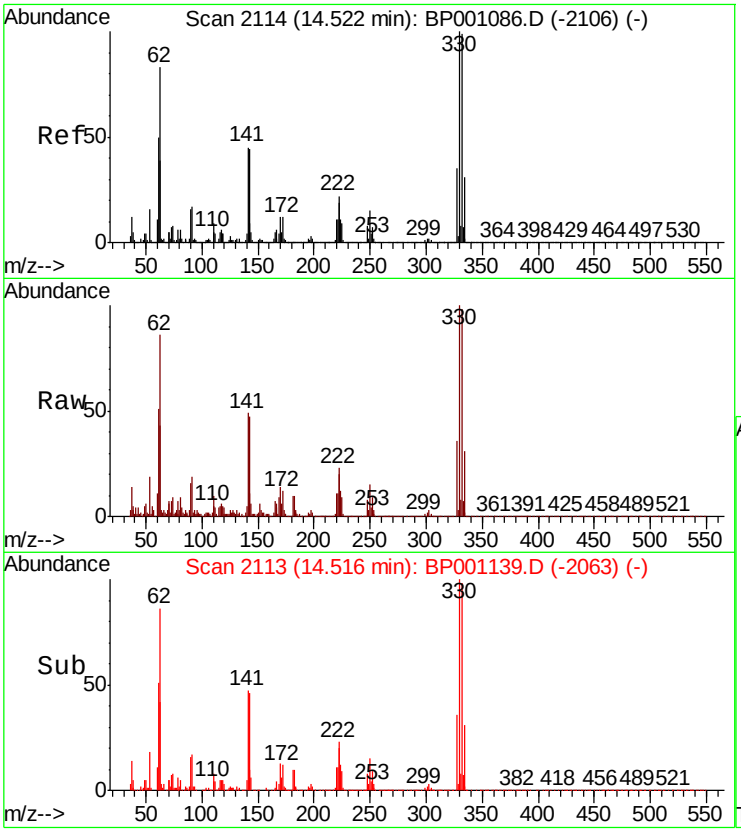


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:164 Resp: 286623

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	45.8	35.4	53.2

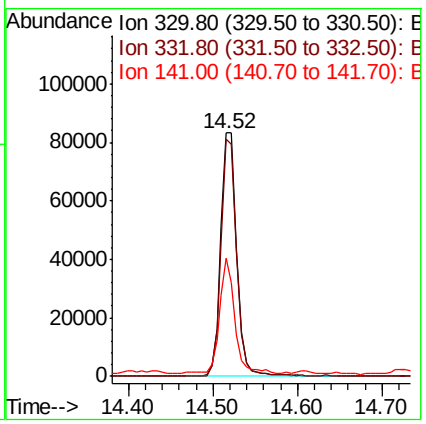




#42
2,4,6-Tribromophenol
Concen: 40.119 ng
RT: 14.52 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:330 Resp: 110219

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.6	116.4
141	46.3	34.2	51.2



Instrument :
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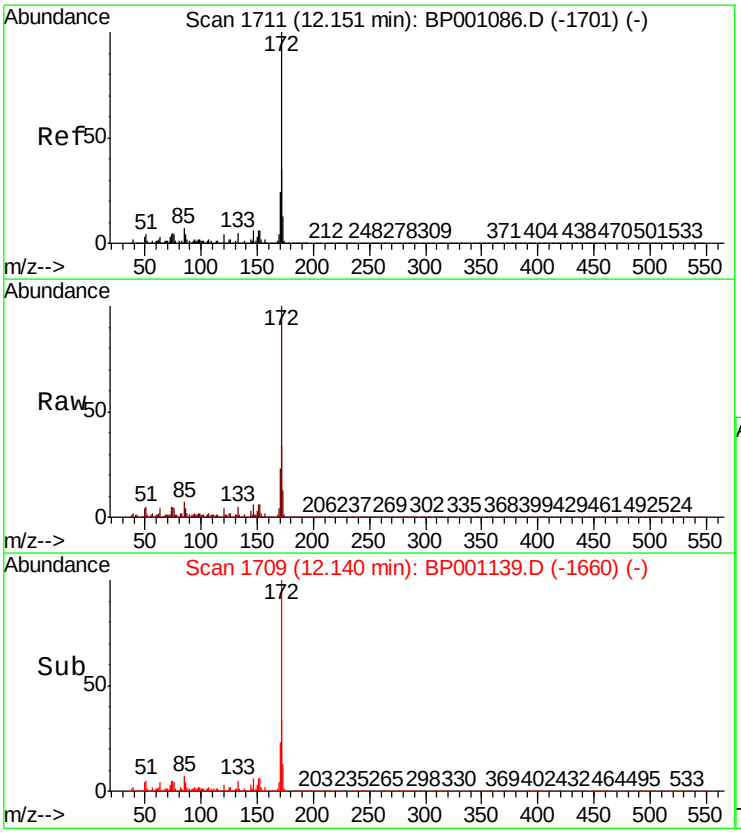
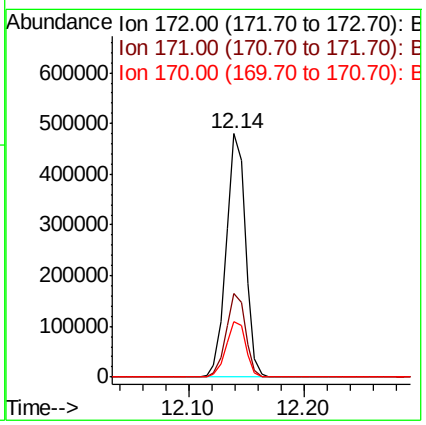
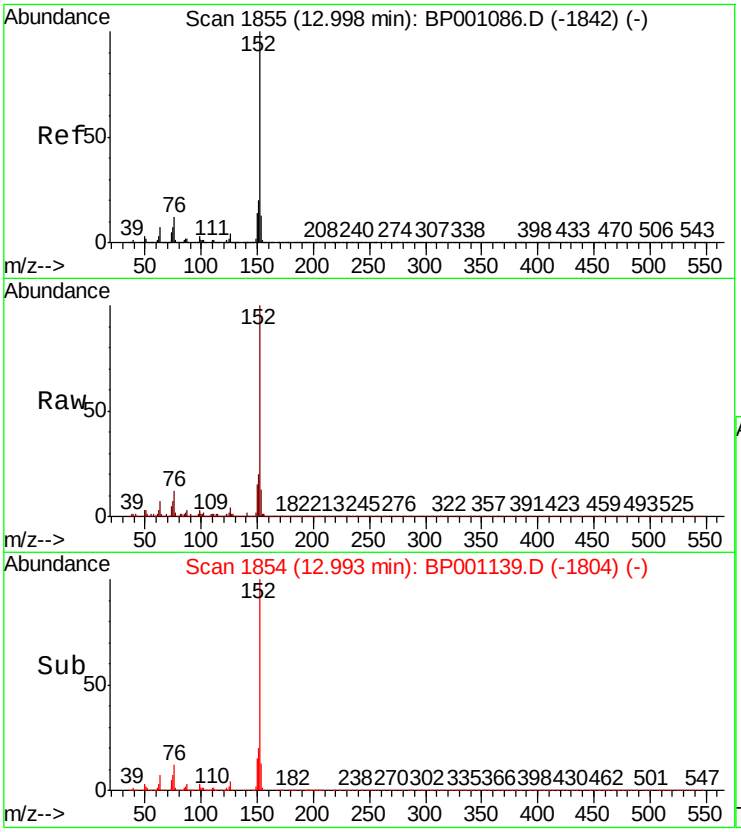


#45
2-Fluorobiphenyl
Concen: 28.335 ng
RT: 12.14 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:172 Resp: 554907

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.9	41.9
170	23.0	19.0	28.4

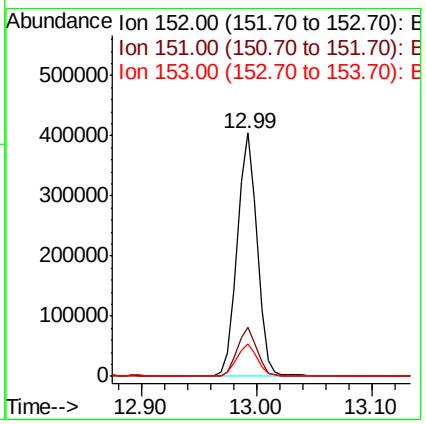




#49
Acenaphthylene
Concen: 18.228 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:152 Resp: 483461

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.5	10.2	15.4



Instrument :
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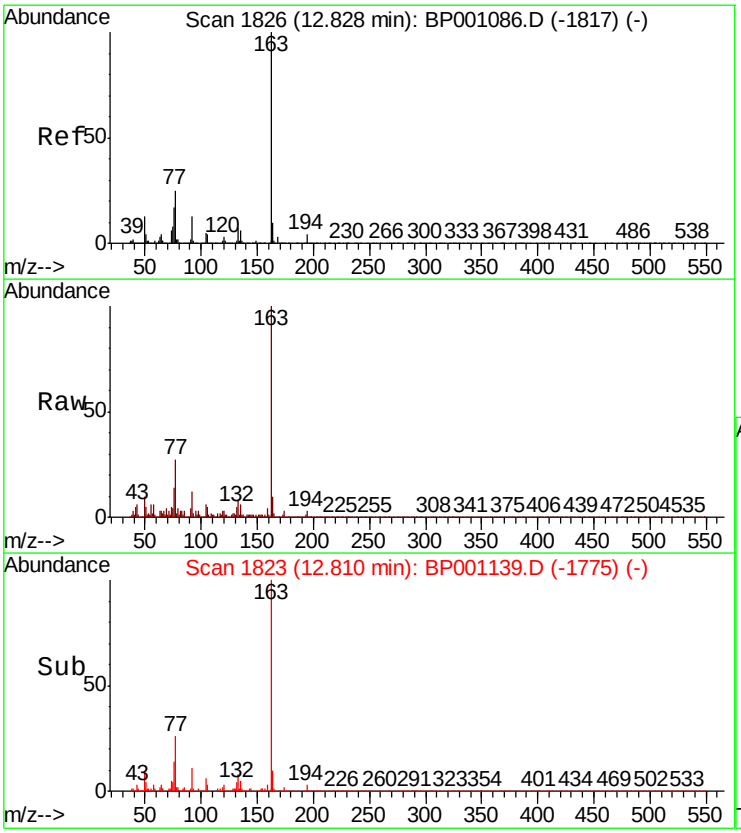
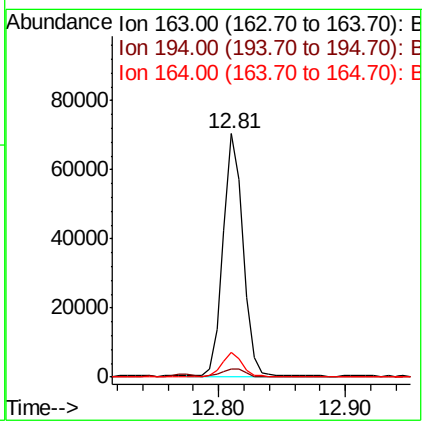
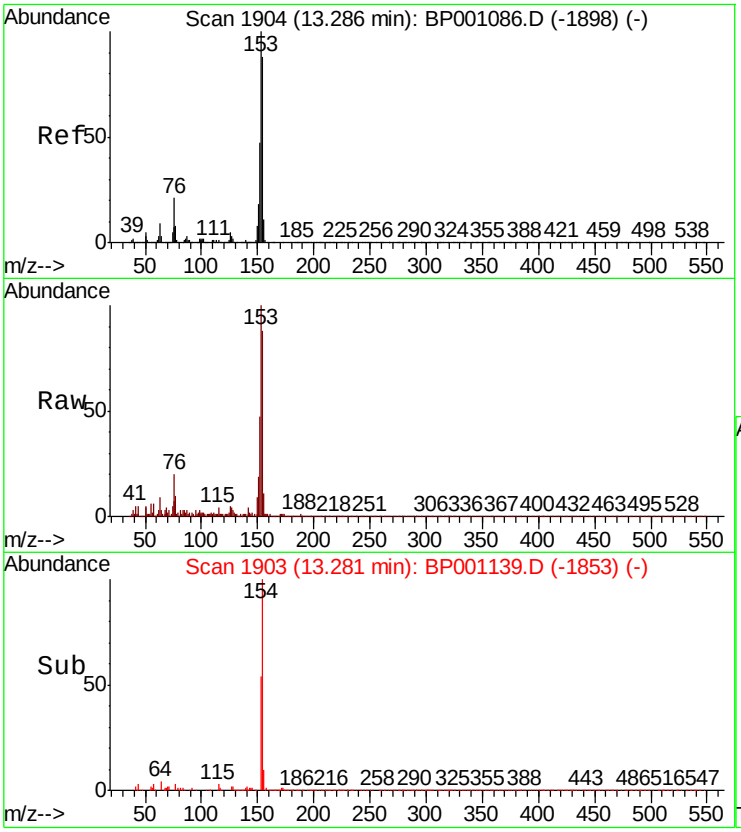


#50
Dimethylphthalate
Concen: 3.565 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:163 Resp: 76428

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	10.4	8.1	12.1

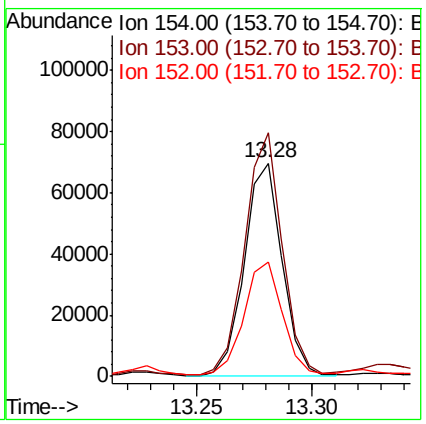




#52
Acenaphthene
Concen: 4.991 ng
RT: 13.28 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:154 Resp: 79634

Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.5	135.7
152	53.6	42.6	64.0



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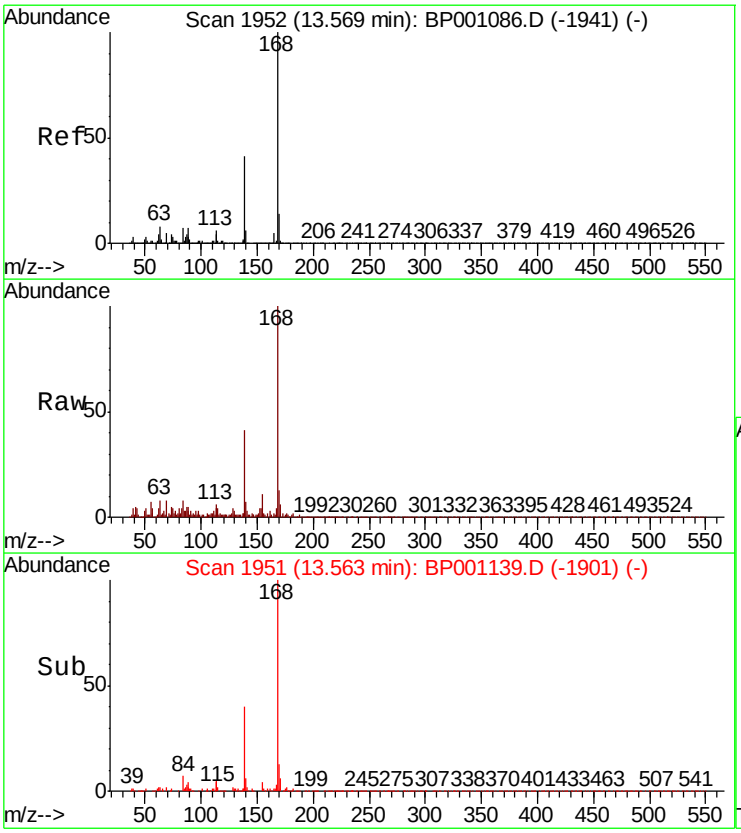
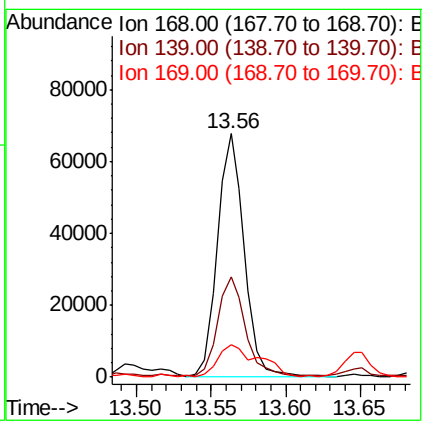
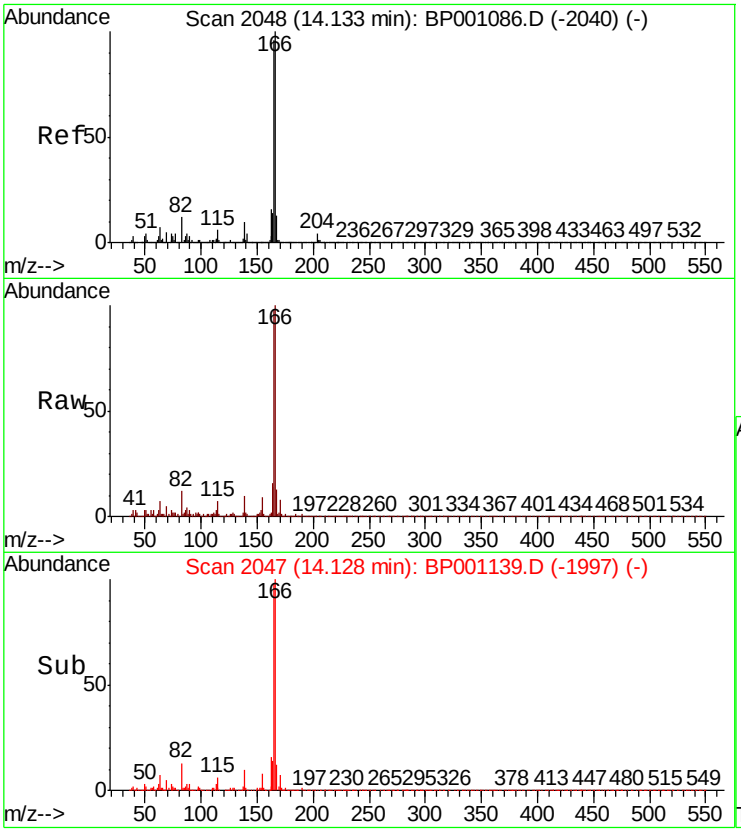


#55
Dibenzofuran
Concen: 3.513 ng
RT: 13.56 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:168 Resp: 84224

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.8	49.2
169	13.5	10.9	16.3

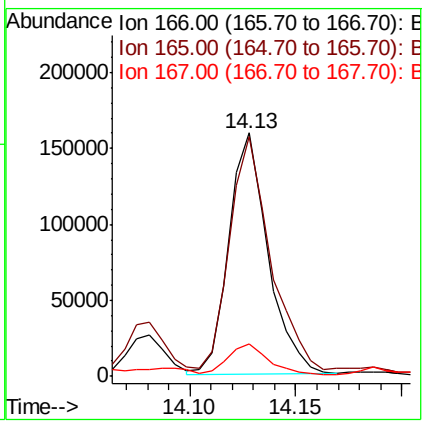




#58
Fluorene
Concen: 10.552 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:166 Resp: 202711

Ion	Ratio	Lower	Upper
166	100		
165	98.4	76.7	115.1
167	13.4	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SU-01-112719

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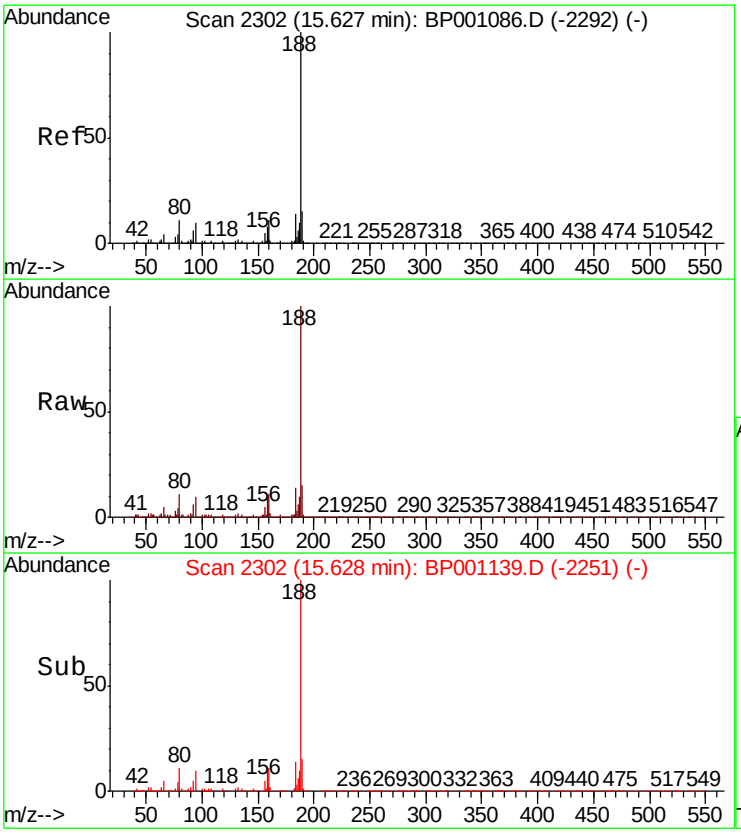
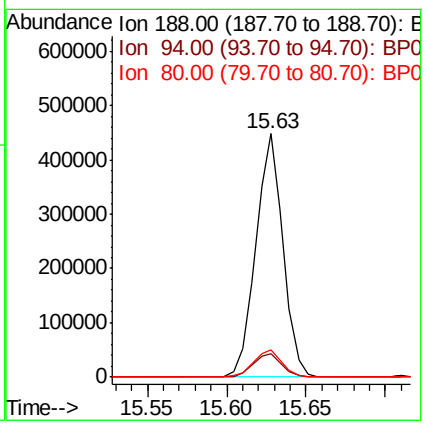
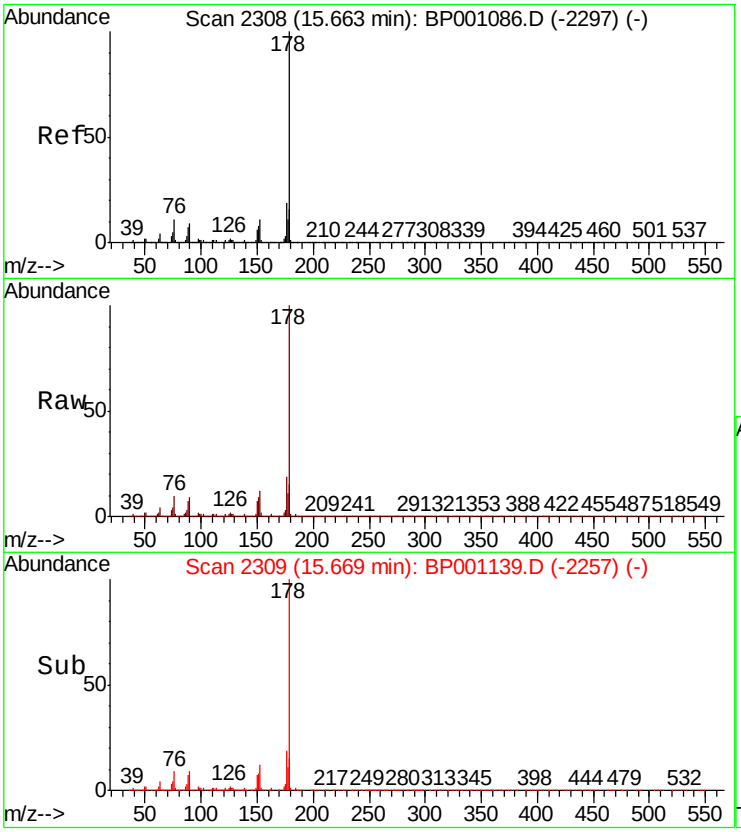


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:188 Resp: 532126

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	11.2	8.8	13.2

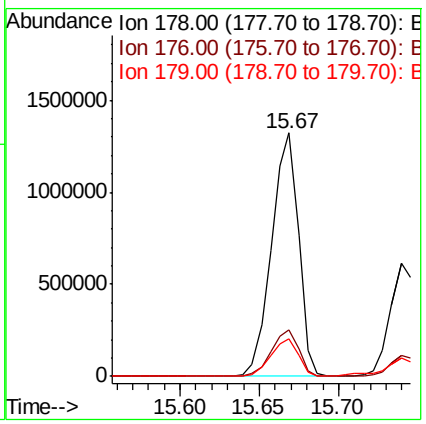




#71
Phenanthrene
Concen: 56.016 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:178 Resp: 1567072

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
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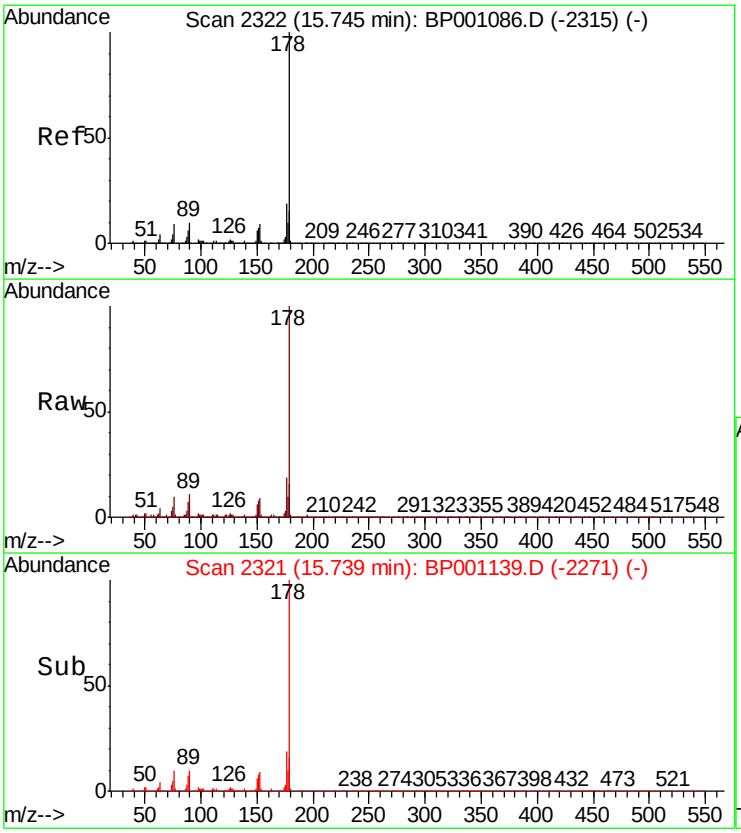
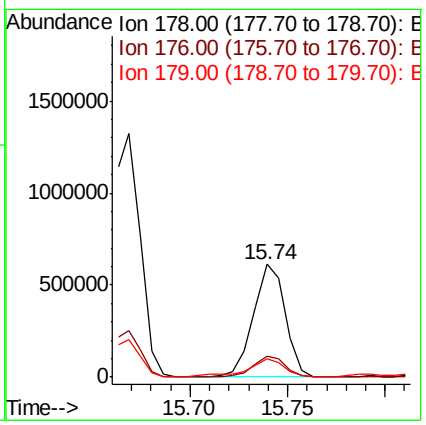
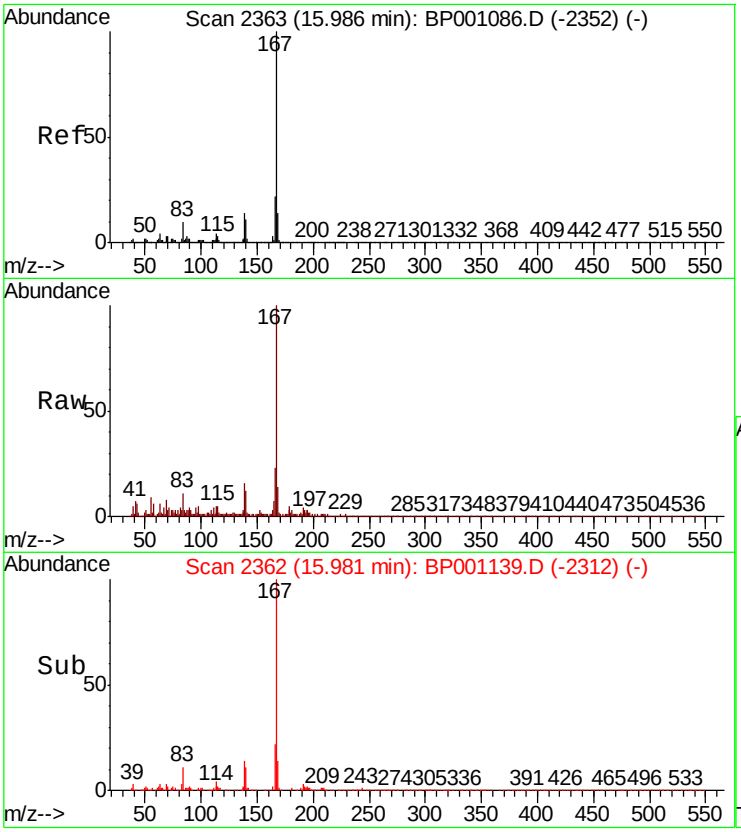


#72
Anthracene
Concen: 24.913 ng
RT: 15.74 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:178 Resp: 686946

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.9	12.2	18.4

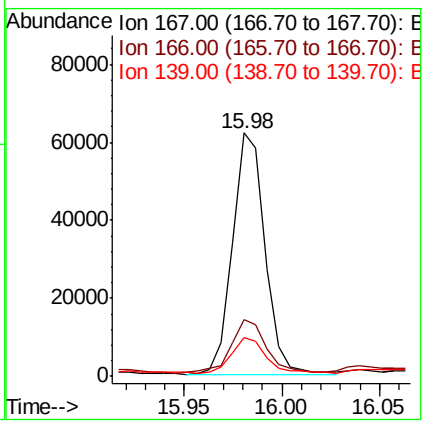




#73
Carbazole
Concen: 2.847 ng
RT: 15.98 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:167 Resp: 71428

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.2	25.8
139	16.2	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
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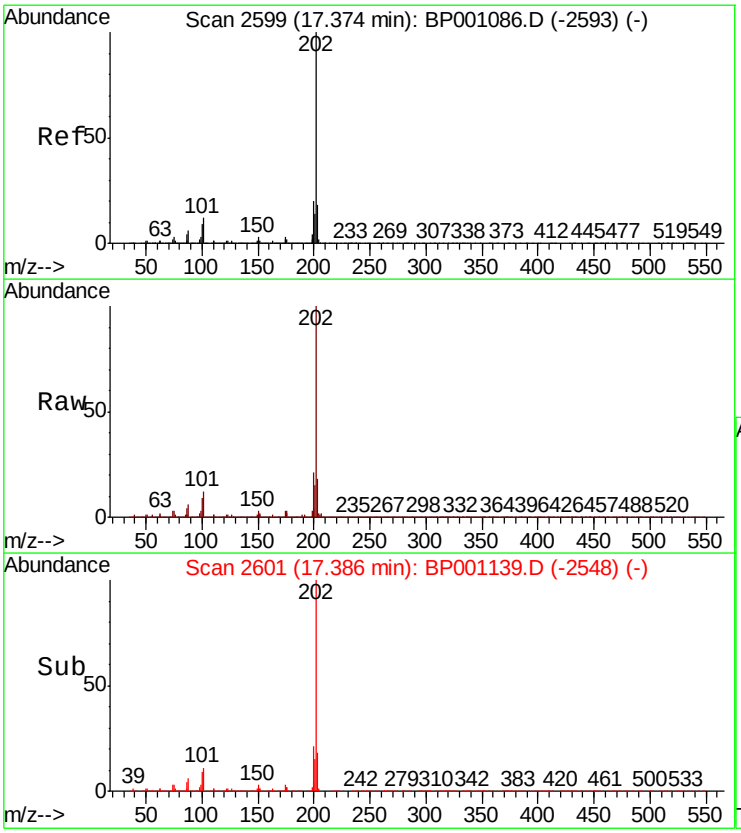
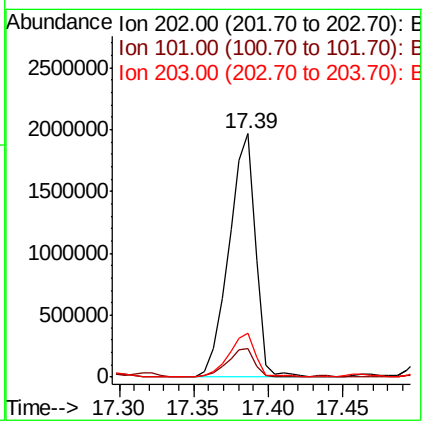
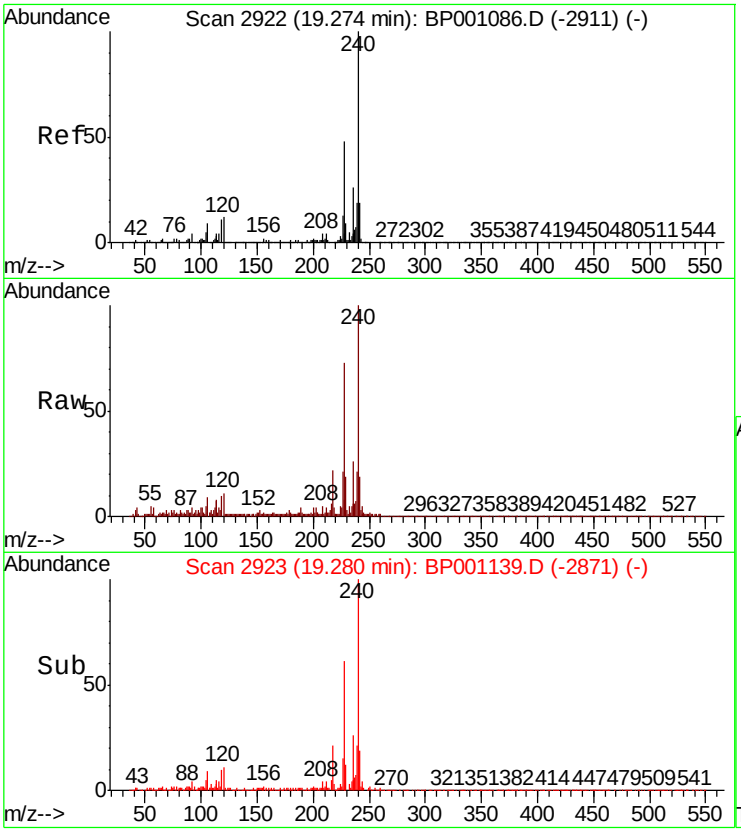


#75
Fluoranthene
Concen: 82.530 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:202 Resp: 2444240

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.1
203	17.8	0.0	37.8

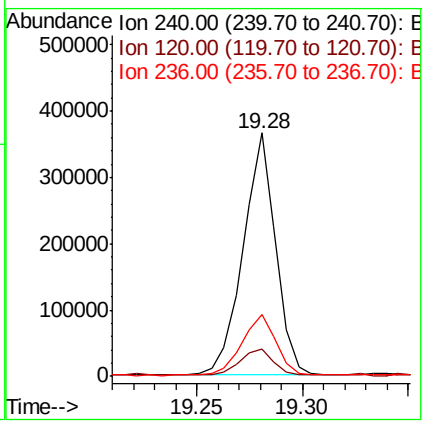




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.28 min Scan# 2923
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:240 Resp: 386952

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	25.6	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
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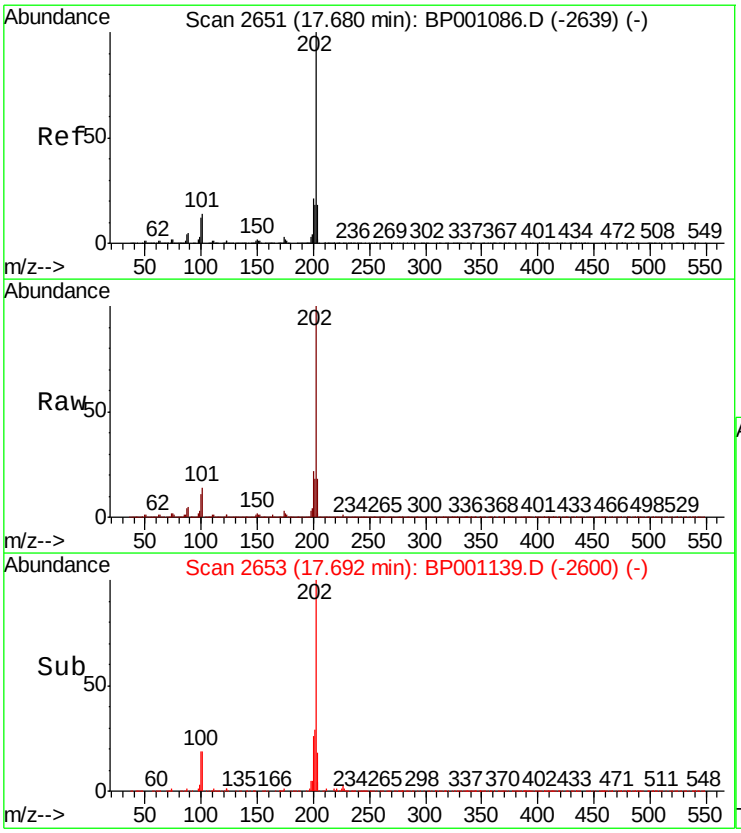
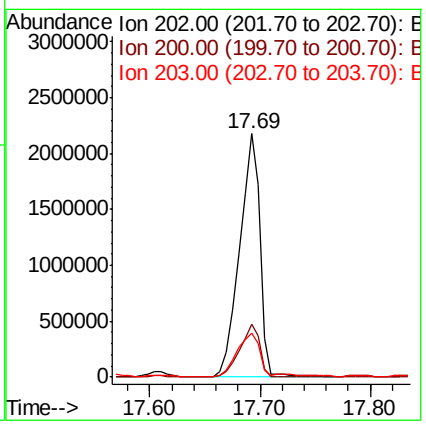
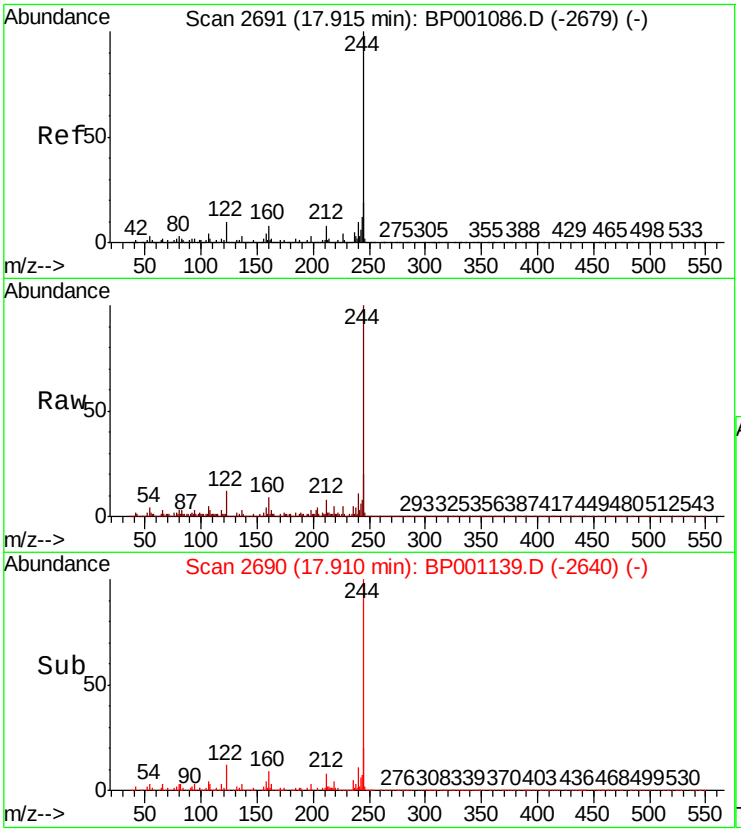


#78
Pyrene
Concen: 92.245 ng
RT: 17.69 min Scan# 2653
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:202 Resp: 2811362

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.6
203	18.0	14.1	21.1

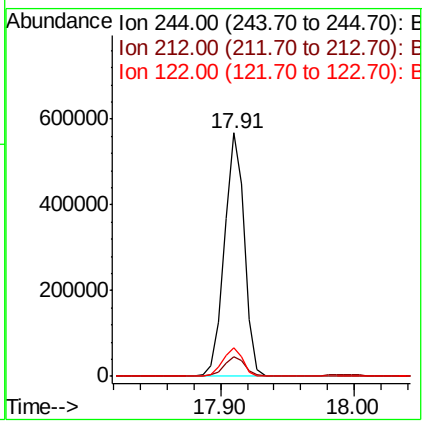




#79
Terphenyl-d14
Concen: 28.528 ng
RT: 17.91 min Scan# 2690
Delta R.T. -0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:244 Resp: 596674

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	11.9	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
SU-01-112719

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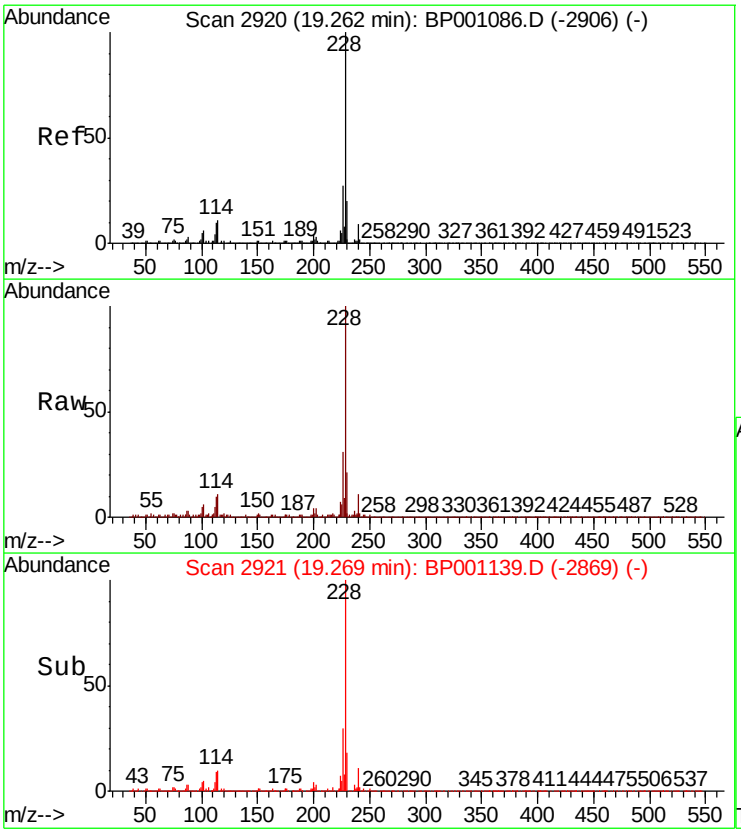
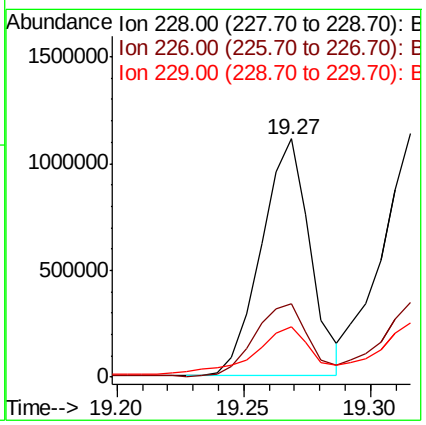
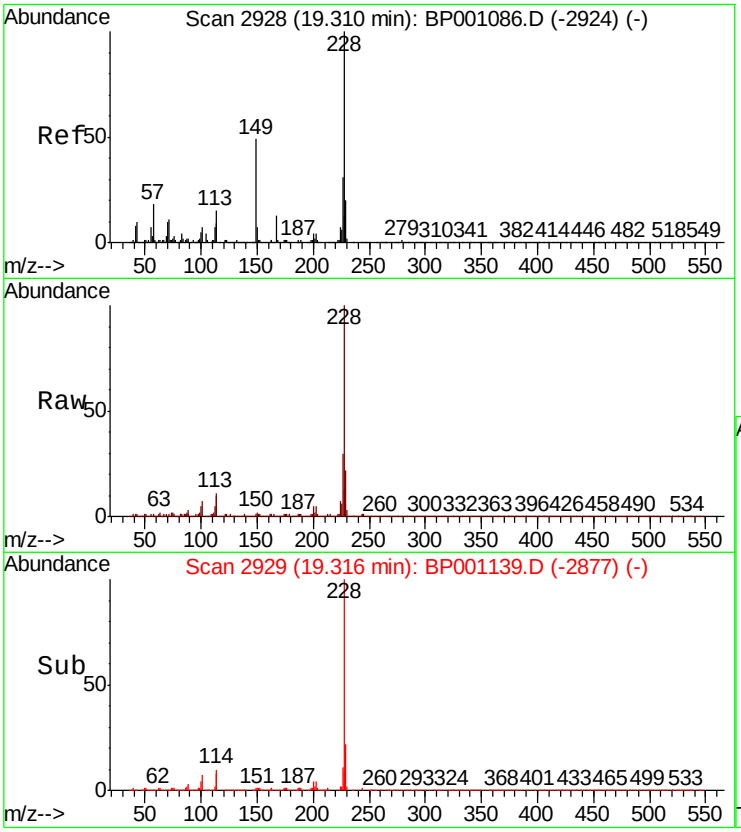


#81
Benzo(a)anthracene
Concen: 55.802 ng
RT: 19.27 min Scan# 2921
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:228 Resp: 1497104

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.8	32.6
229	21.1	15.8	23.6

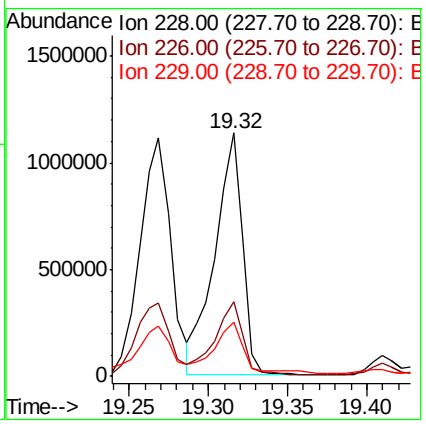




#83
Chrysene
Concen: 57.435 ng
RT: 19.32 min Scan# 2929
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:228 Resp: 1379828

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.0	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
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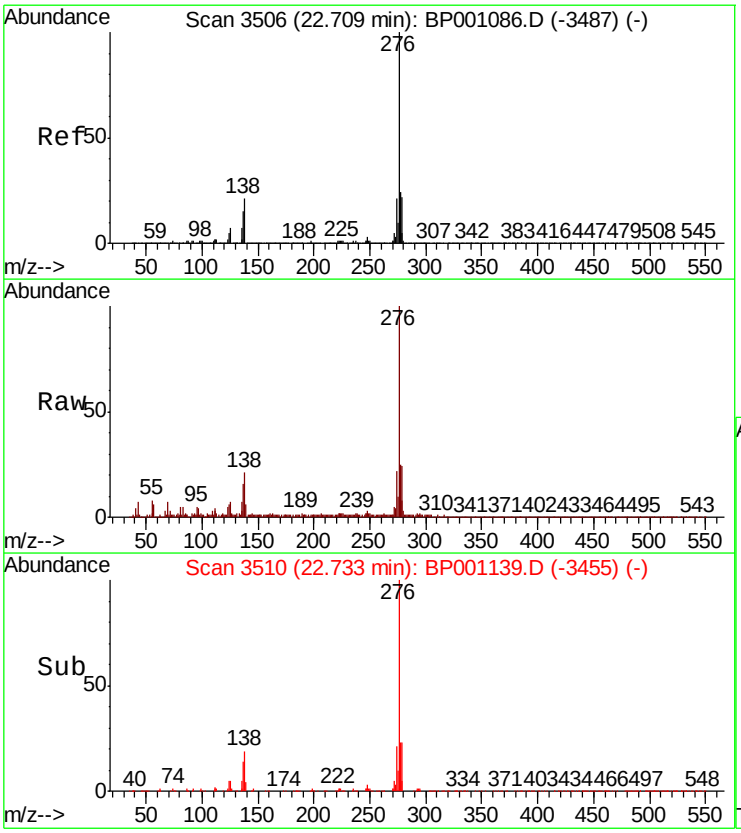
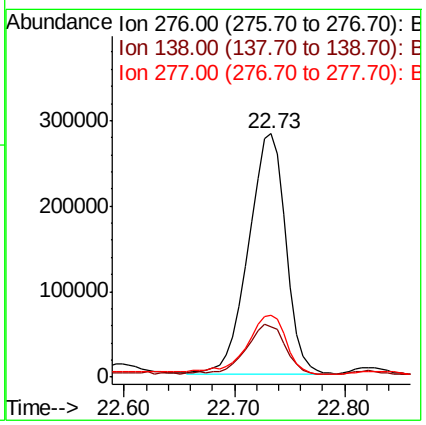
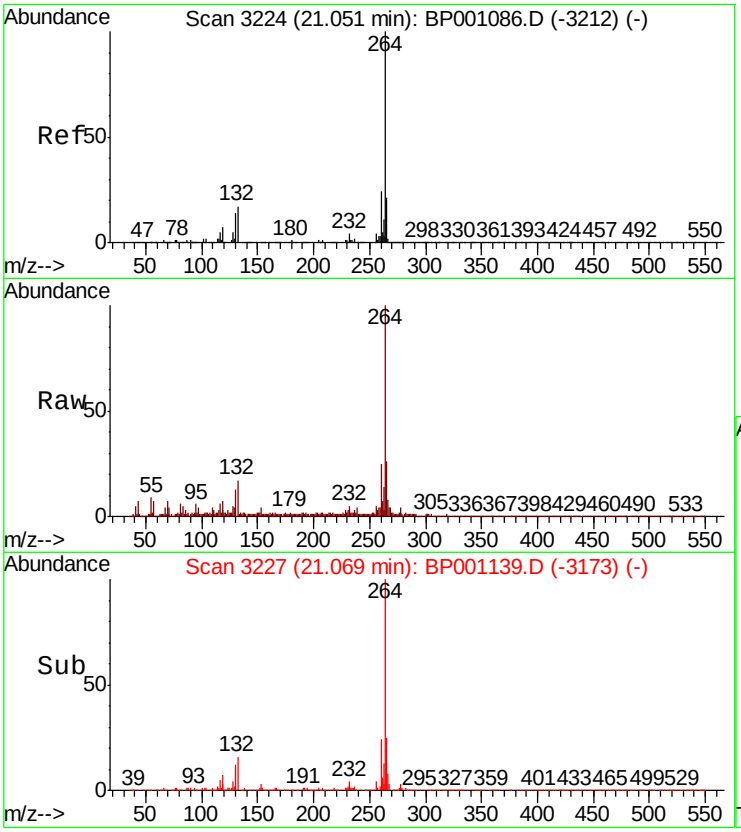


#86
Indeno(1,2,3-cd)pyrene
Concen: 23.444 ng
RT: 22.73 min Scan# 3510
Delta R.T. 0.02 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:276 Resp: 663766

Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.6	30.8
277	27.6	20.0	30.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3227
Delta R.T. 0.02 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:264 Resp: 452769

Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.8	28.2
265	25.9	16.9	25.3#

Instrument :
BNA_P
ClientSampleId :
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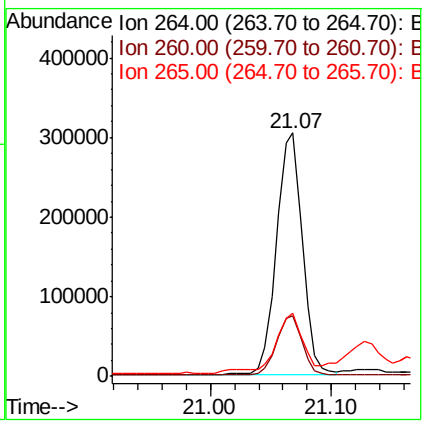
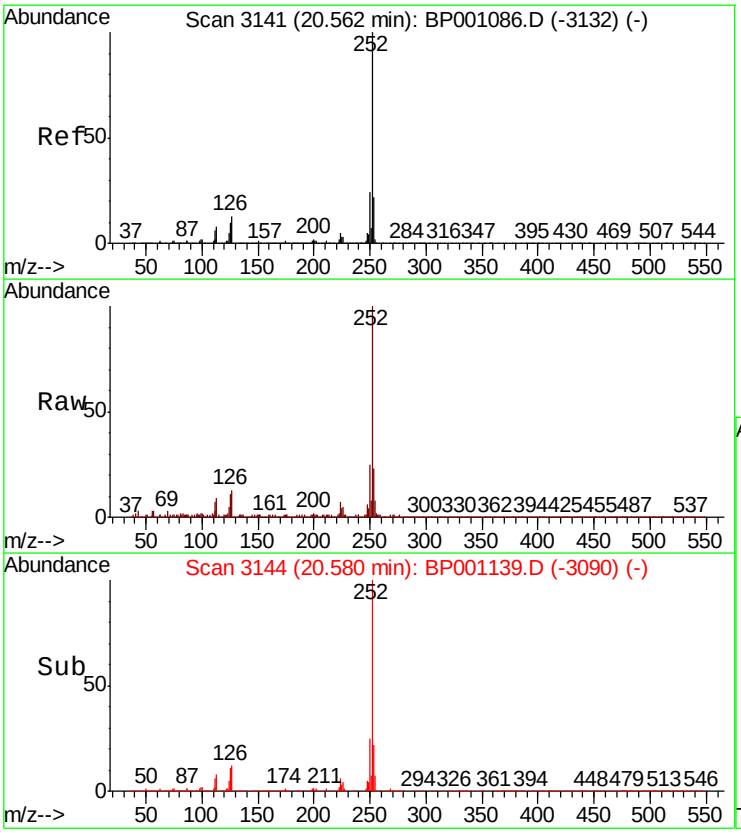
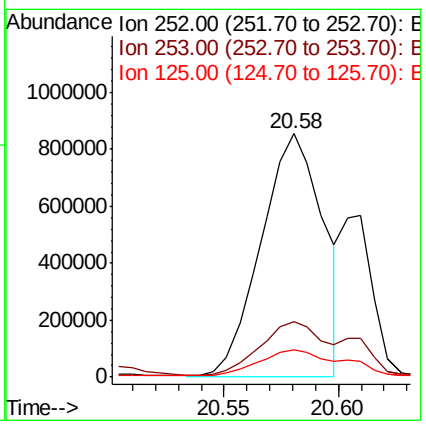


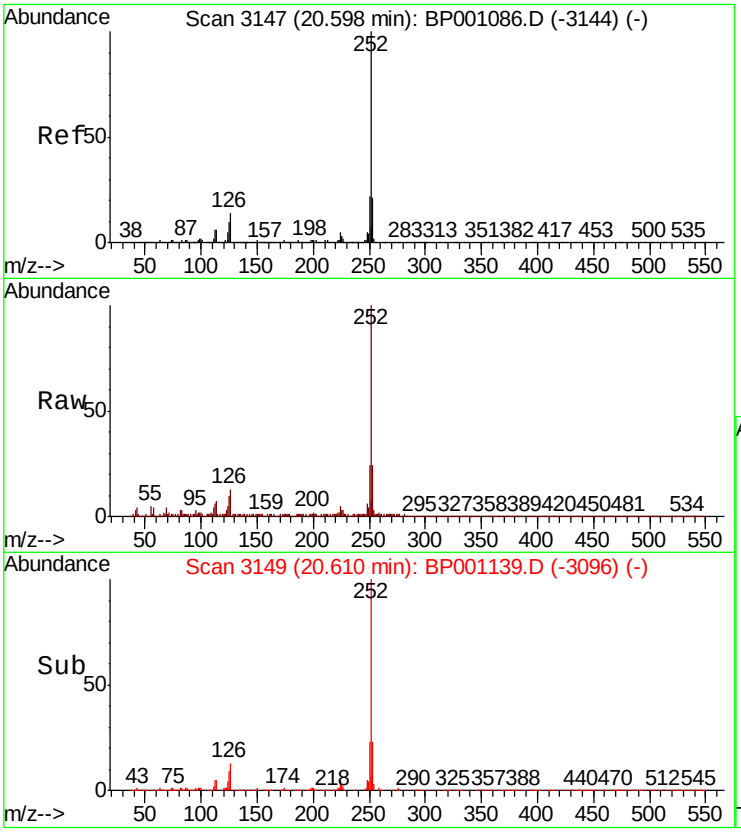


#88
Benzo(b)fluoranthene
Concen: 58.888 ng m
RT: 20.58 min Scan# 3144
Delta R.T. 0.02 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:252 Resp: 1628553

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.3	8.1	12.1

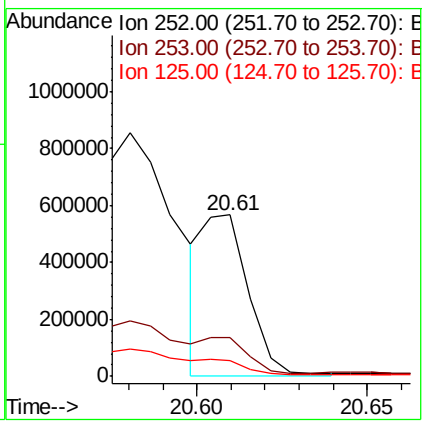




#89
Benzo(k)fluoranthene
Concen: 19.850 ng m
RT: 20.61 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:252 Resp: 528725

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	9.7	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
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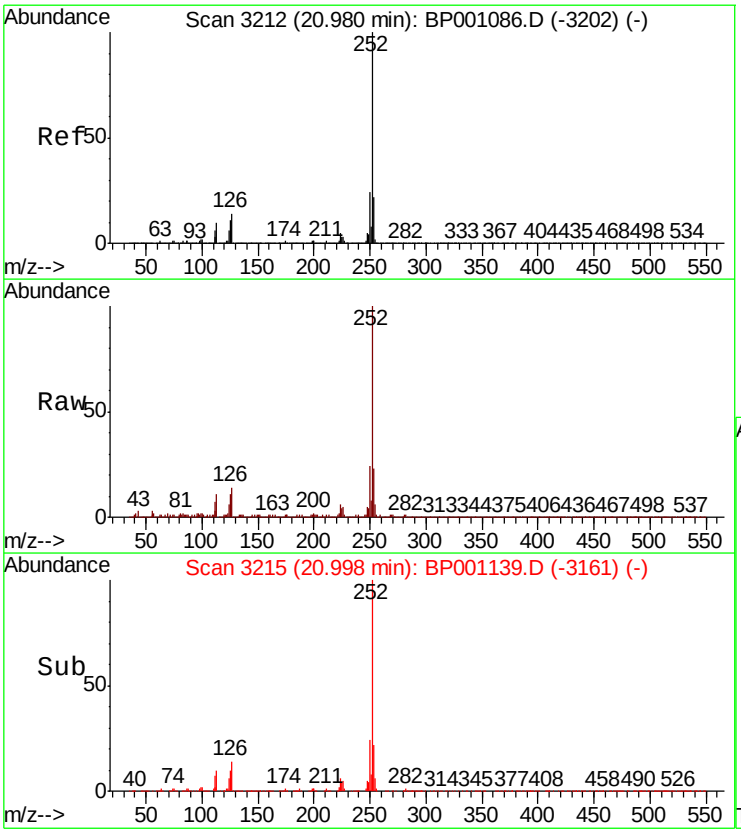
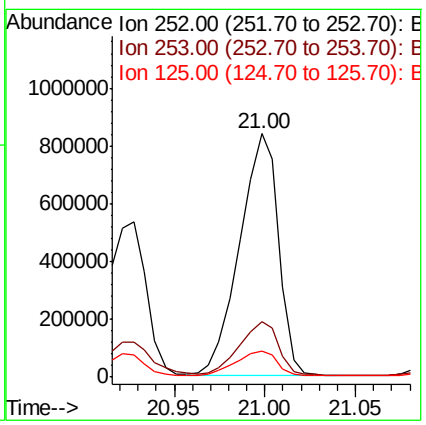
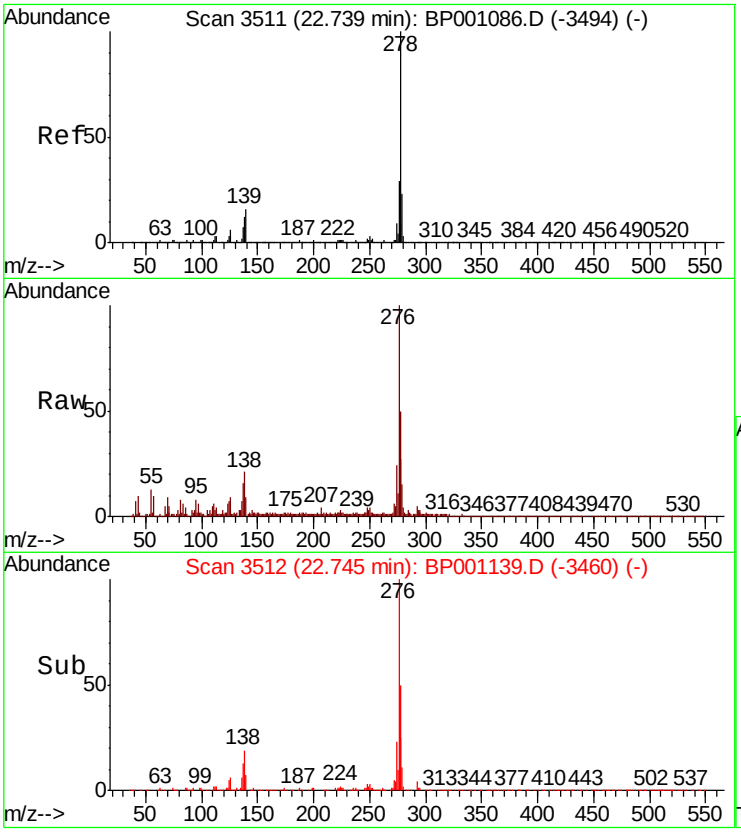


#90
Benzo(a)pyrene
Concen: 49.013 ng
RT: 21.00 min Scan# 3215
Delta R.T. 0.02 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:252 Resp: 1248515

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.9	8.7	13.1





#91
Dibenzo(a,h)anthracene
Concen: 7.947 ng m
RT: 22.74 min Scan# 3512
Delta R.T. 0.01 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:278 Resp: 198101

Ion	Ratio	Lower	Upper
278	100		
139	18.6	13.0	19.4
279	29.1	18.7	28.1#

Instrument :
BNA_P
ClientSampleId :
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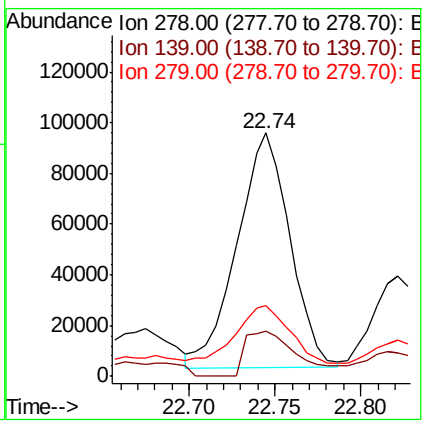

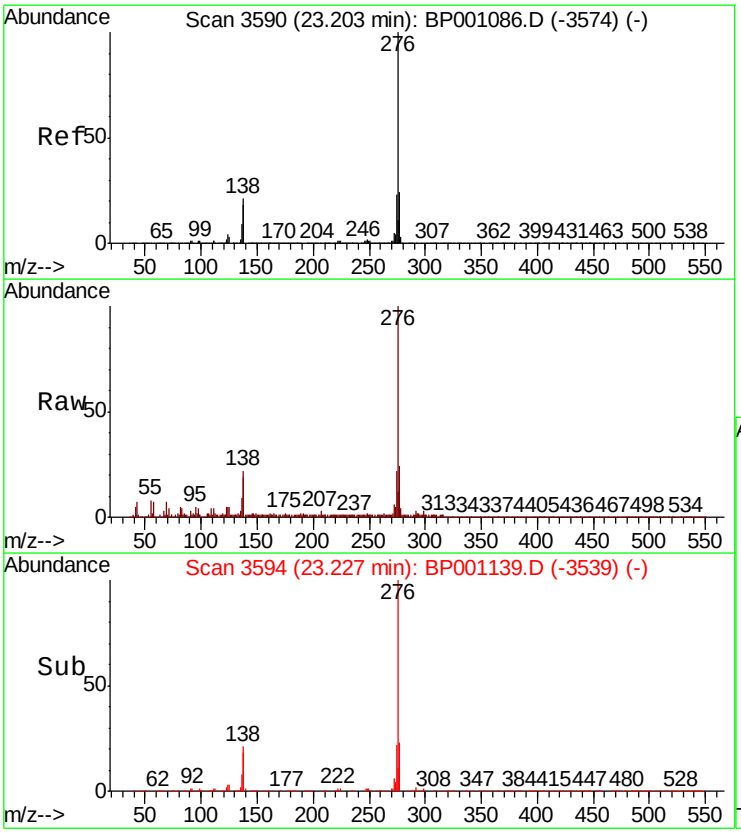

#92
Benzo(g,h,i)perylene
Concen: 24.192 ng
RT: 23.23 min Scan# 3594
Delta R.T. 0.02 min
Lab File: BP001139.D
Acq: 02 Dec 2019 21:42

Tgt Ion:276 Resp: 595503

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	22.3	17.2	25.8