Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021921\
Data File : BN013679.D
Acq On : 19 Feb 2021 12:33
Operator : CG/JU
Sample : M1448-05MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GWBR3-138-150-021721MS

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Quant Time: Feb 19 13:08:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN020821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 18 10:50:10 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.547	152	5128	0.40	ng	0.00
7) Naphthalene-d8	10.302	136	20700	0.40	ng	0.00
13) Acenaphthene-d10	14.181	164	11847	0.40	ng	0.00
19) Phenanthrene-d10	16.934	188	25586m	0.40	ng	0.00
29) Chrysene-d12	21.133	240	26455	0.40	ng	0.00
36) Perylene-d12	23.301	264	24839	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.180	112	2277	0.21	ng	0.00
5) Phenol-d6	6.726	99	1840	0.13	ng	0.00
8) Nitrobenzene-d5	8.680	82	3922	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.902	152	11988	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.678	330	1500	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	15115	0.34	ng	0.00
27) Fluoranthene-d10	18.970	212	26710	0.39	ng	0.00
31) Terphenyl-d14	19.581	244	25067	0.43	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.182	88	12597	2.19	ng	# 93
3) n-Nitrosodimethylamine	3.497	42	620	0.15	ng	87
6) bis(2-Chloroethyl)ether	6.984	93	4563	0.37	ng	99
9) Naphthalene	10.353	128	22897	0.45	ng	100
10) Hexachlorobutadiene	10.644	225	2741	0.32	ng	# 99
12) 2-Methylnaphthalene	11.977	142	12942	0.37	ng	98
16) Acenaphthylene	13.890	152	17705	0.39	ng	99
17) Acenaphthene	14.245	154	12144	0.37	ng	98
18) Fluorene	15.234	166	15666	0.38	ng	99
20) 4,6-Dinitro-2-methylph...	15.323	198	937m	0.41	ng	
21) 4-Bromophenyl-phenylether	16.131	248	4839m	0.38	ng	
22) Hexachlorobenzene	16.240	284	5132m	0.37	ng	
23) Atrazine	16.410	200	2776	0.34	ng	98
24) Pentachlorophenol	16.581	266	3406m	1.02	ng	
25) Phenanthrene	16.970	178	29275m	0.42	ng	
26) Anthracene	17.055	178	23907m	0.42	ng	
28) Fluoranthene	19.000	202	34616	0.45	ng	99
30) Pyrene	19.362	202	35887	0.45	ng	99
32) Benzo(a)anthracene	21.123	228	32240	0.46	ng	100
33) Chrysene	21.176	228	33266	0.41	ng	96
34) Bis(2-ethylhexyl)phtha...	21.070	149	20810	1.00	ng	100
35) Indeno(1,2,3-cd)pyrene	25.447	276	35669	0.42	ng	98
37) Benzo(b)fluoranthene	22.658	252	35111	0.41	ng	97
38) Benzo(k)fluoranthene	22.699	252	32539	0.37	ng	97
39) Benzo(a)pyrene	23.209	252	27631	0.38	ng	98
40) Dibenzo(a,h)anthracene	25.461	278	28614	0.36	ng	98
41) Benzo(g,h,i)perylene	26.098	276	31183	0.38	ng	98

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

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QLast Update : Thu Feb 18 10:50:10 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
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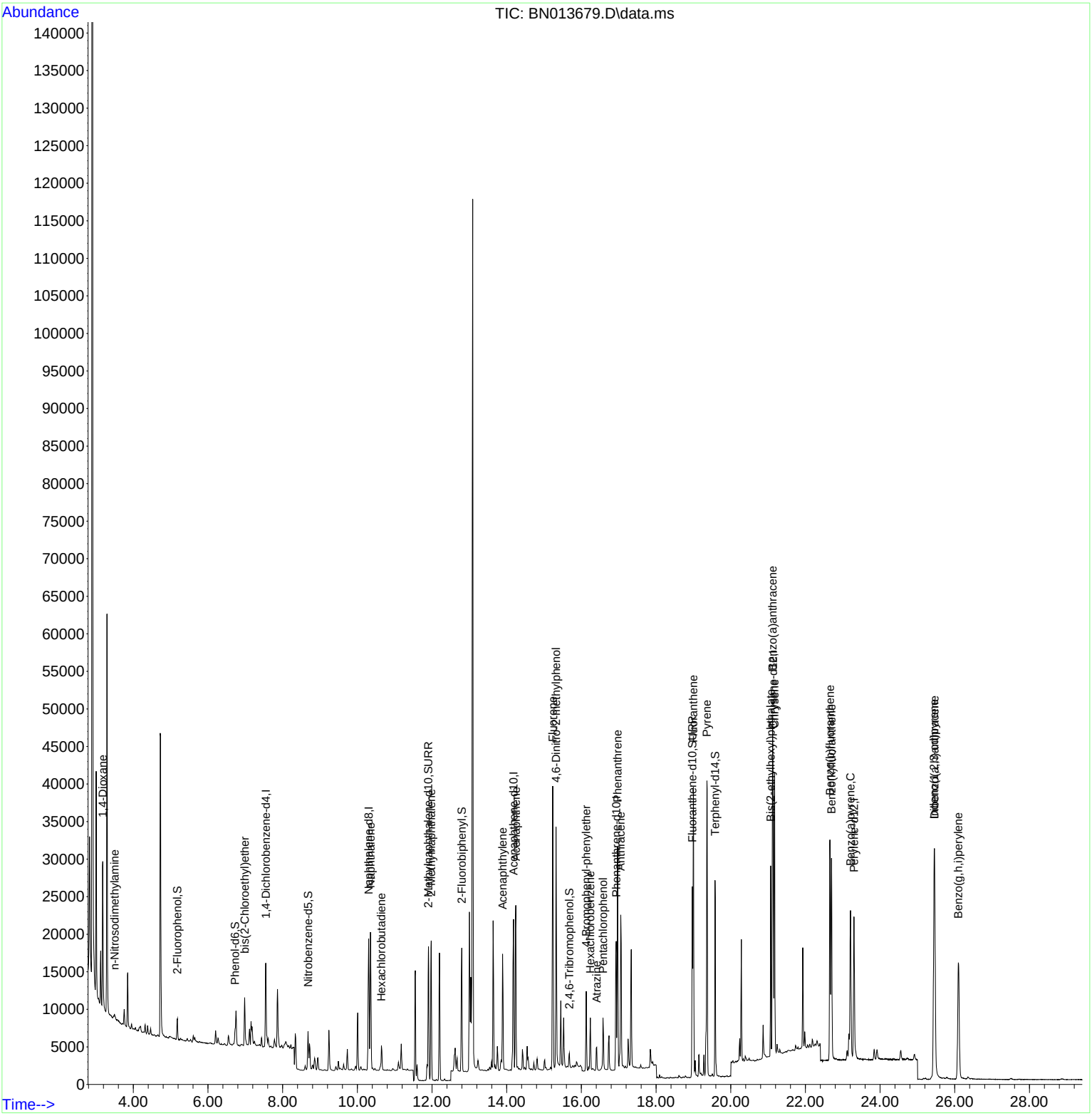
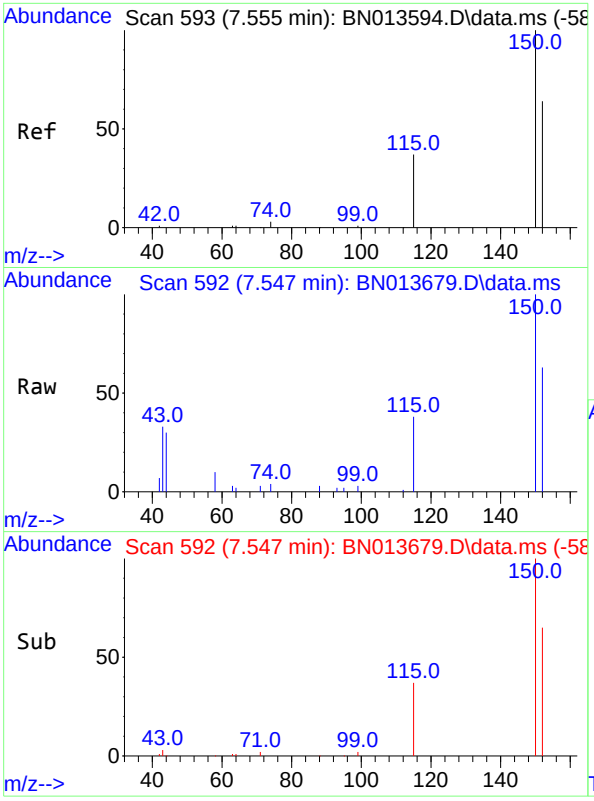
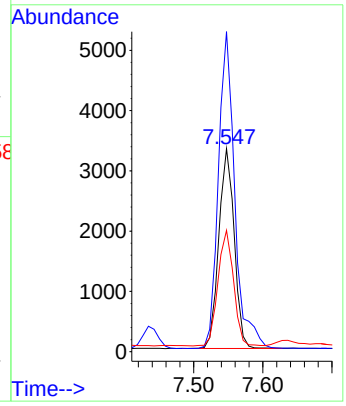




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.547 min Scan# 592
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:152 Resp: 5128

Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.8	182.8
115	59.7	46.6	69.8



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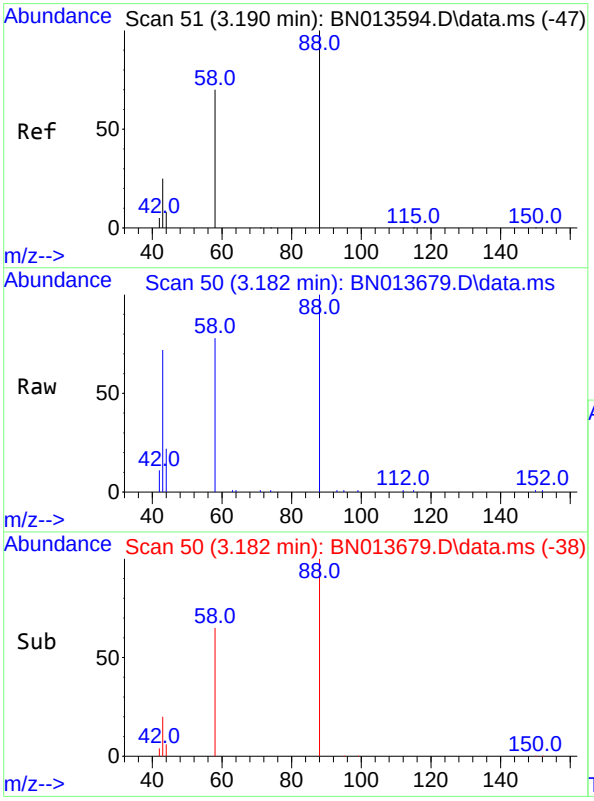
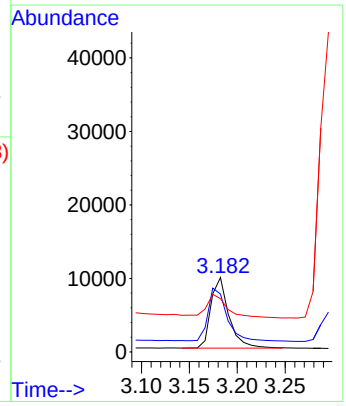
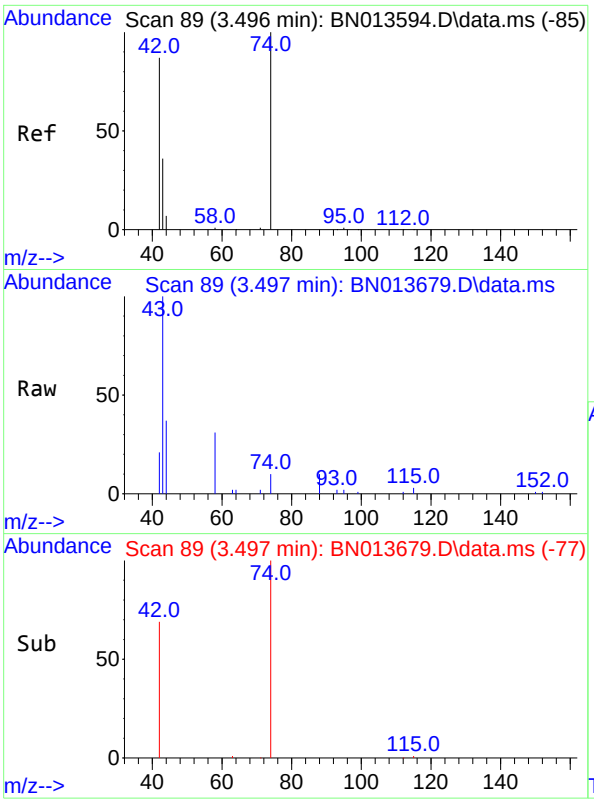


#2
1,4-Dioxane
Concen: 2.19 ng
RT: 3.182 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion: 88 Resp: 12597

Ion	Ratio	Lower	Upper
88	100		
58	76.6	64.6	96.8
43	40.1	26.6	40.0#

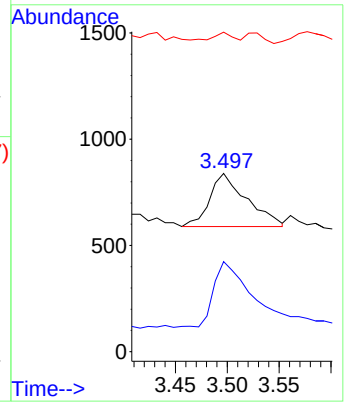




#3
n-Nitrosodimethylamine
Concen: 0.15 ng
RT: 3.497 min Scan# 89
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion: 42 Resp: 620

Ion	Ratio	Lower	Upper
42	100		
74	133.9	95.0	142.6
44	6.1	5.8	8.8



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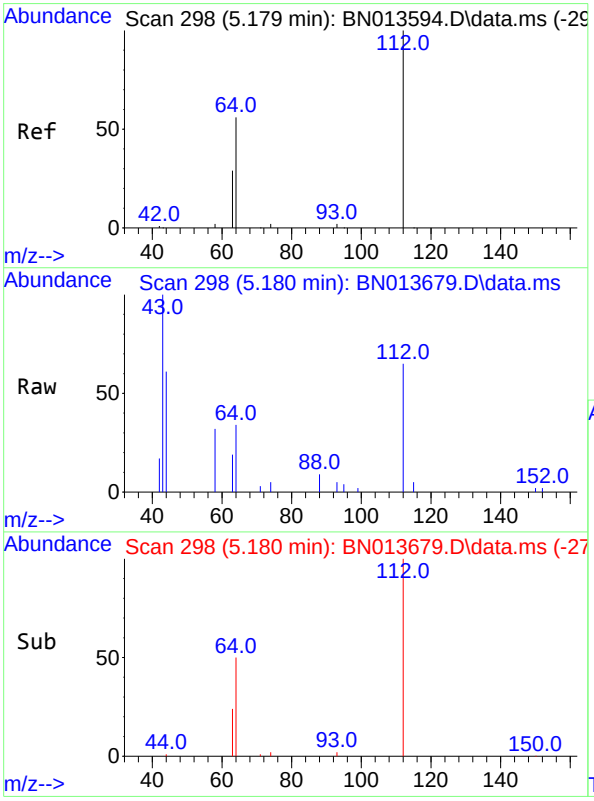
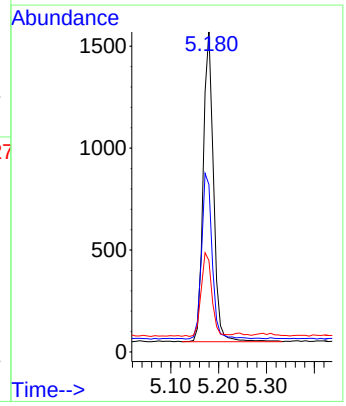
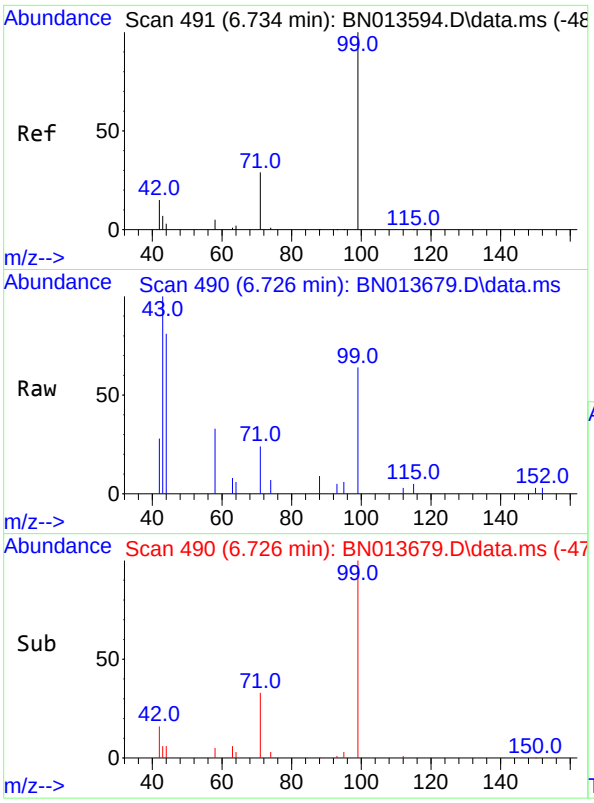


#4
2-Fluorophenol
Concen: 0.21 ng
RT: 5.180 min Scan# 298
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:112 Resp: 2277

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.3	66.5
63	27.8	23.0	34.6

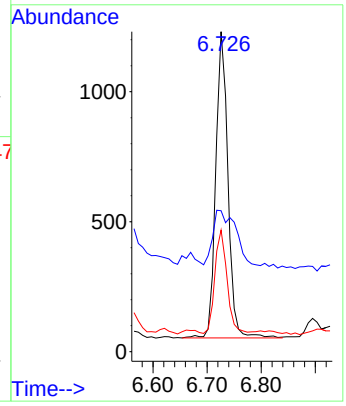


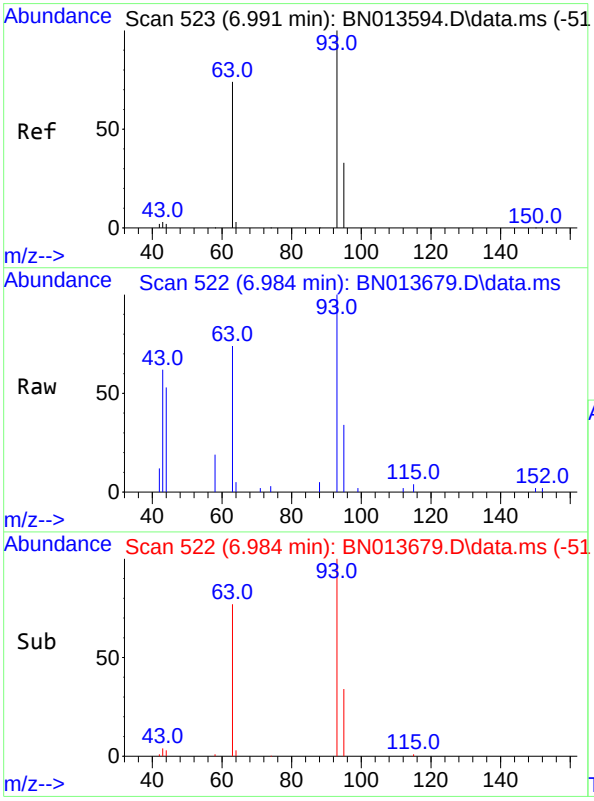


#5
Phenol-d6
Concen: 0.13 ng
RT: 6.726 min Scan# 490
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion: 99 Resp: 1840

Ion	Ratio	Lower	Upper
99	100		
42	33.5	15.2	22.8#
71	34.4	26.1	39.1

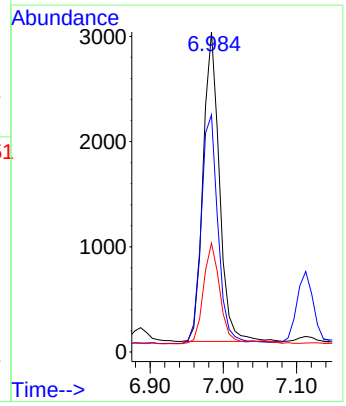




#6
bis(2-Chloroethyl)ether
Concen: 0.37 ng
RT: 6.984 min Scan# 522
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion: 93 Resp: 4563

Ion	Ratio	Lower	Upper
93	100		
63	76.4	60.8	91.2
95	32.8	26.0	39.0



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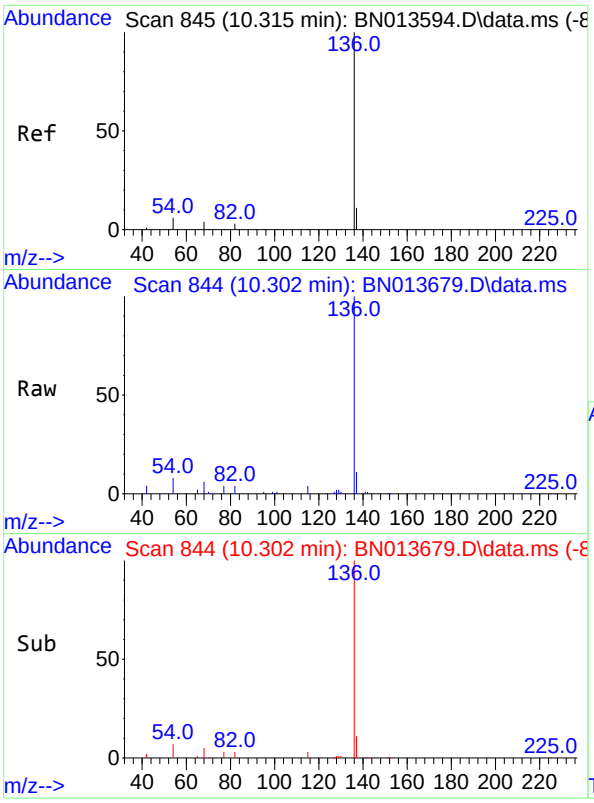
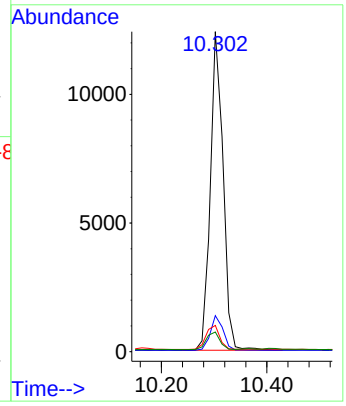
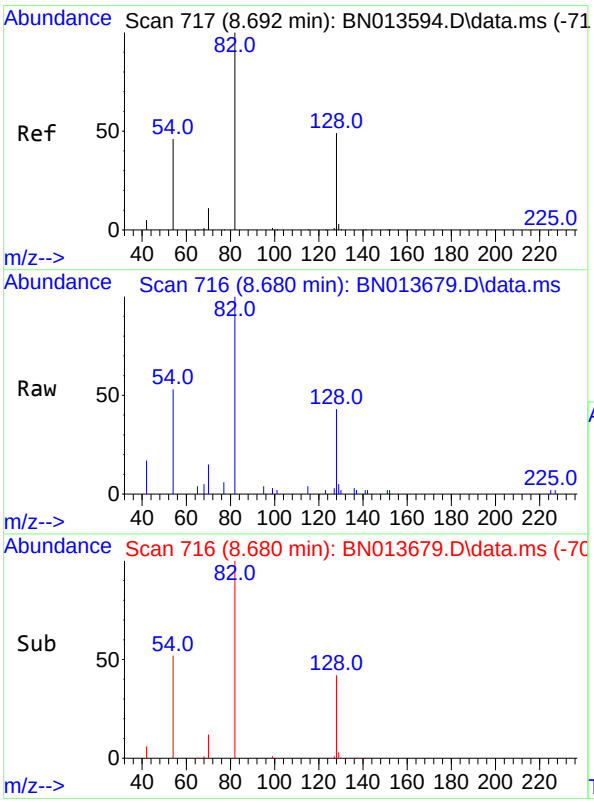


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.302 min Scan# 844
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:136 Resp: 20700

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.2	6.4	9.6
68	6.2	4.5	6.7

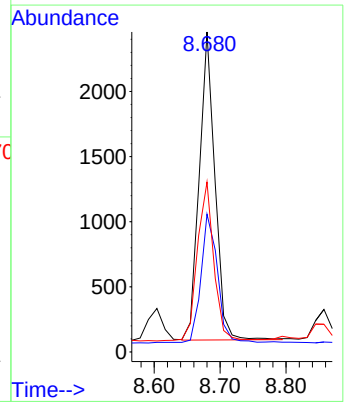




#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.680 min Scan# 716
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion: 82 Resp: 3922

Ion	Ratio	Lower	Upper
82	100		
128	43.1	39.2	58.8
54	53.1	40.1	60.1



Instrument :
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ClientSampleId :
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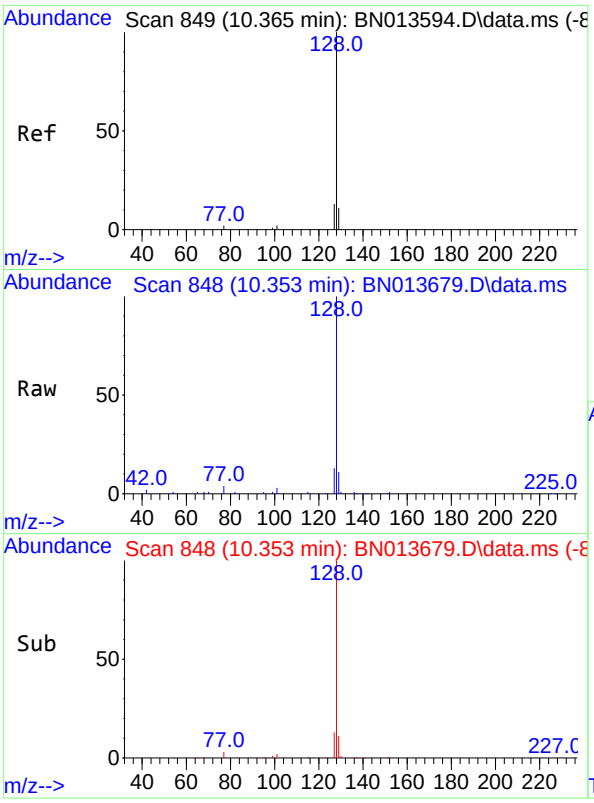
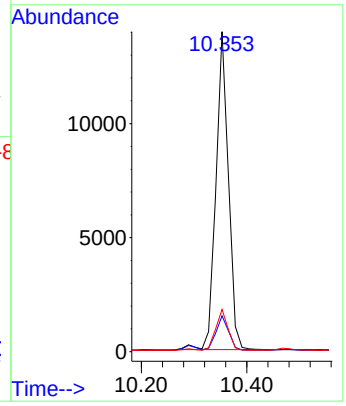
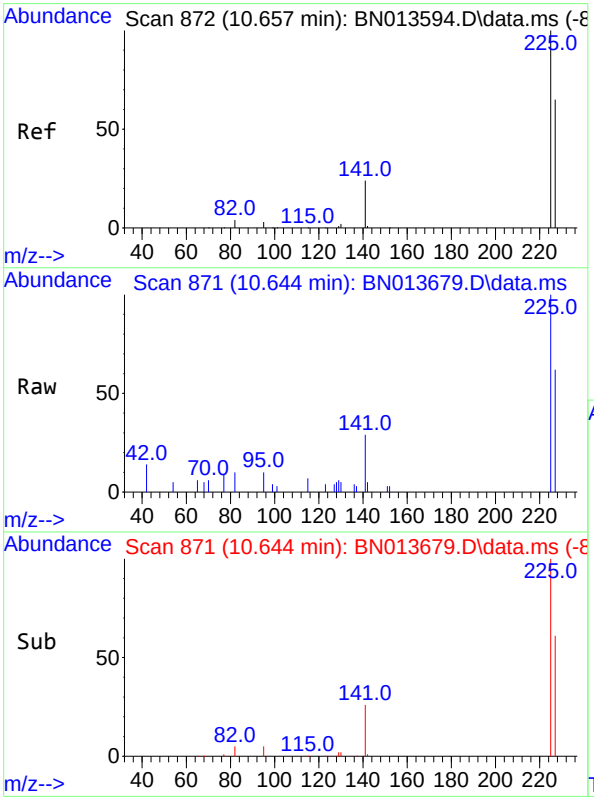


#9
Naphthalene
Concen: 0.45 ng
RT: 10.353 min Scan# 848
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:128 Resp: 22897

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.4	15.6

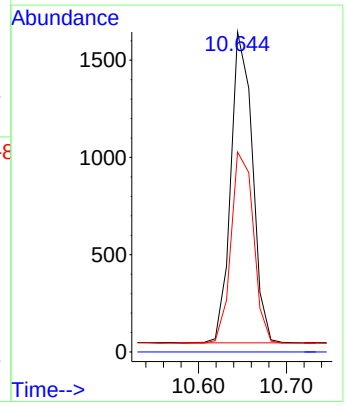




#10
Hexachlorobutadiene
Concen: 0.32 ng
RT: 10.644 min Scan# 871
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:225 Resp: 2741

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.2	76.8



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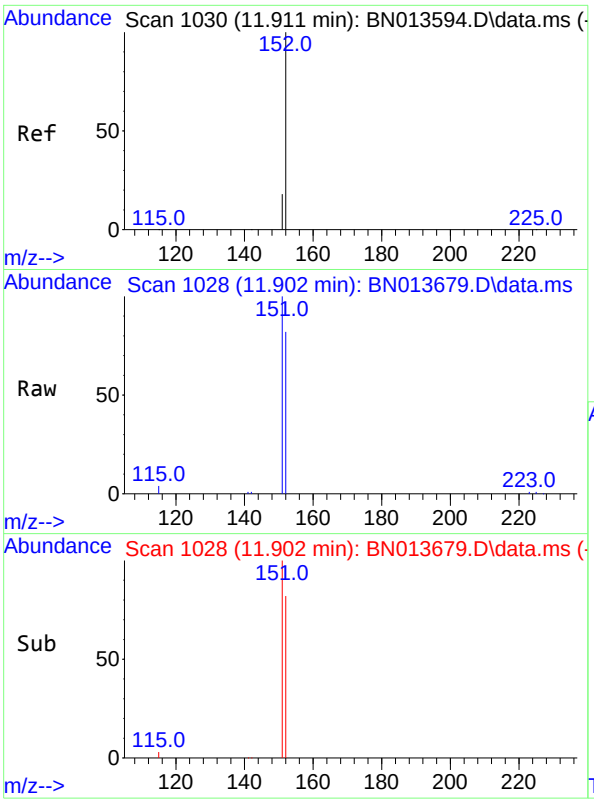
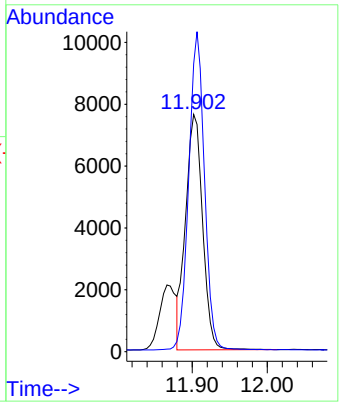


#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 11.902 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:152 Resp: 11988

Ion	Ratio	Lower	Upper
152	100		
151	125.0	16.2	24.2#



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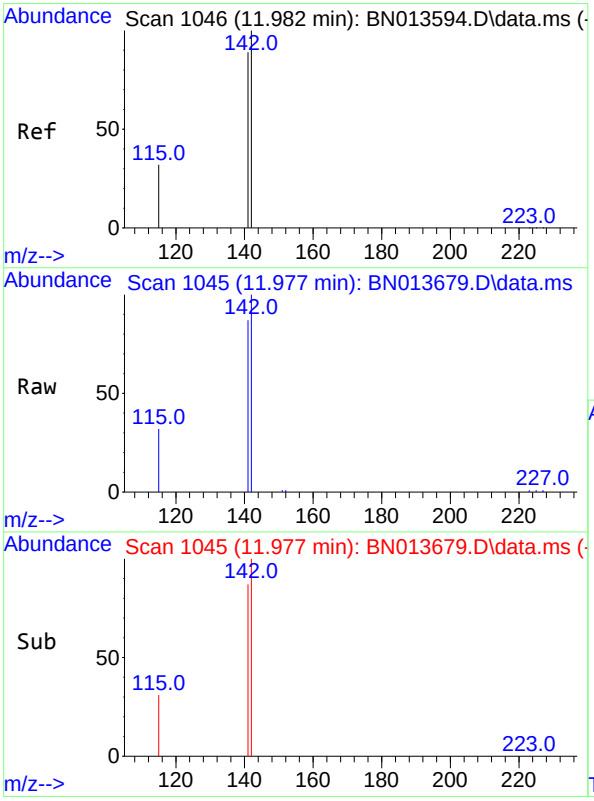
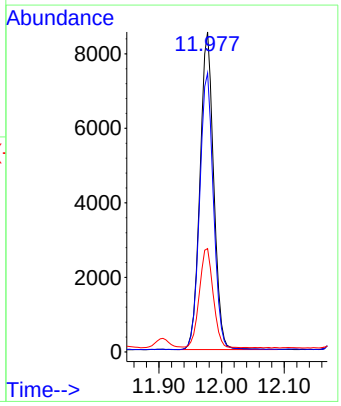
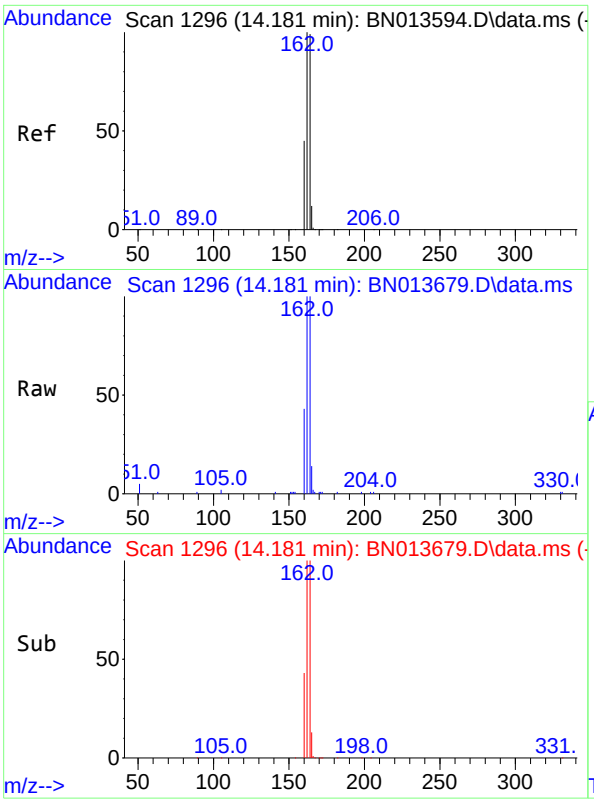


#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 11.977 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:142 Resp: 12942

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.5	105.7
115	32.3	27.4	41.0

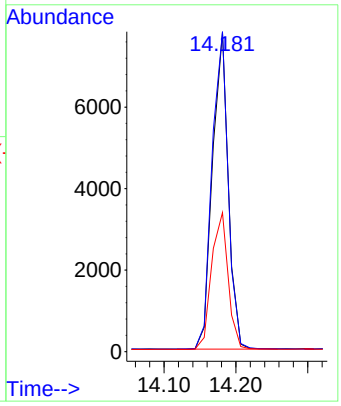


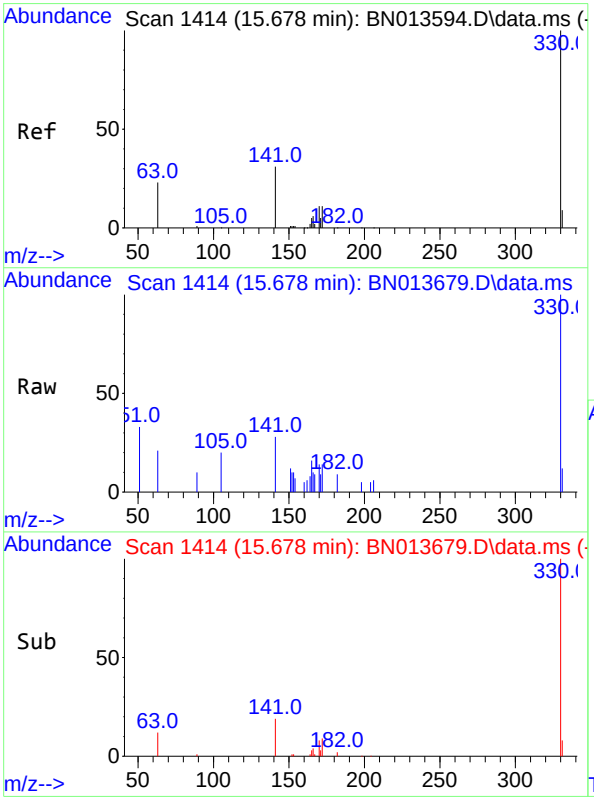


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:164 Resp: 11847

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.6	119.4
160	43.5	36.0	54.0

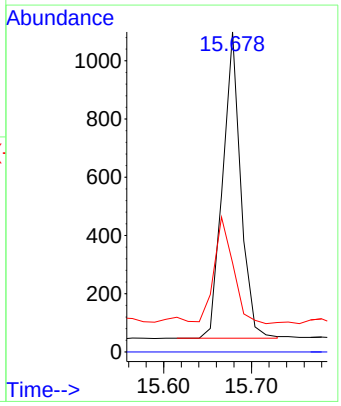




#14
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 15.678 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:330 Resp: 1500

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.9	26.8	40.2



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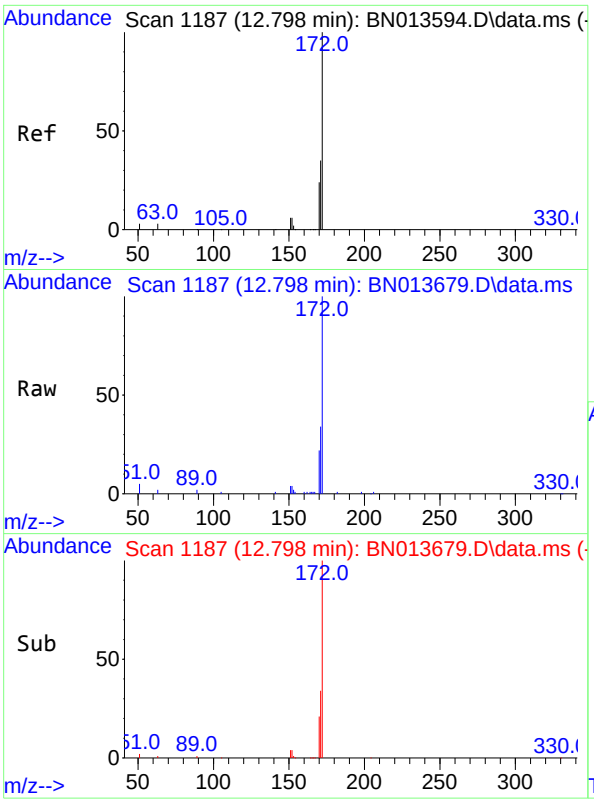
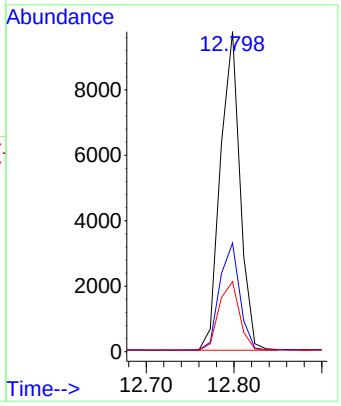


#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 12.798 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:172 Resp: 15115

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	42.8
170	21.9	18.9	28.3



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Manual Integrations APPROVED
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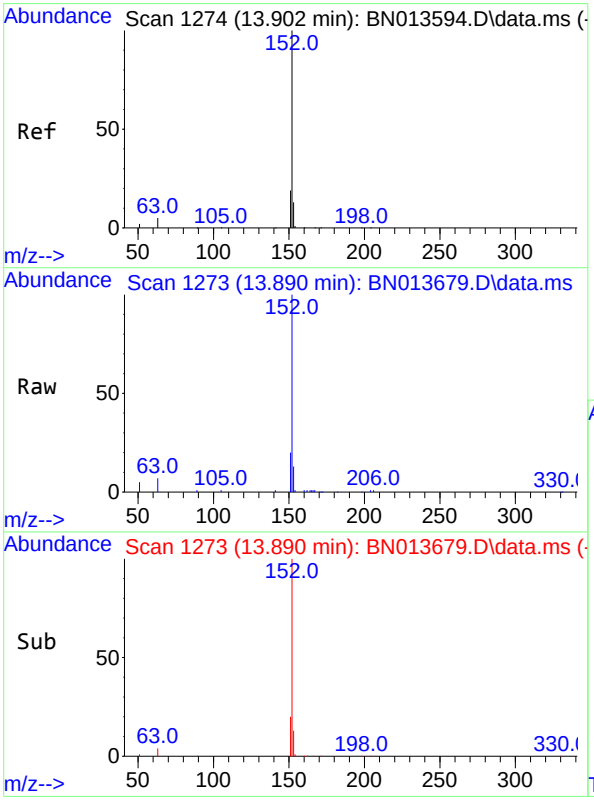
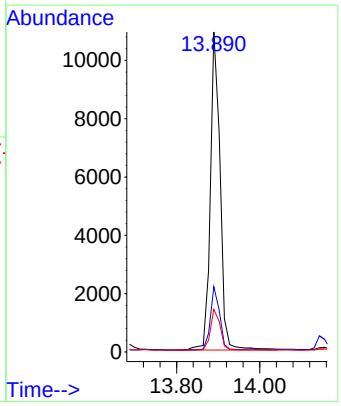
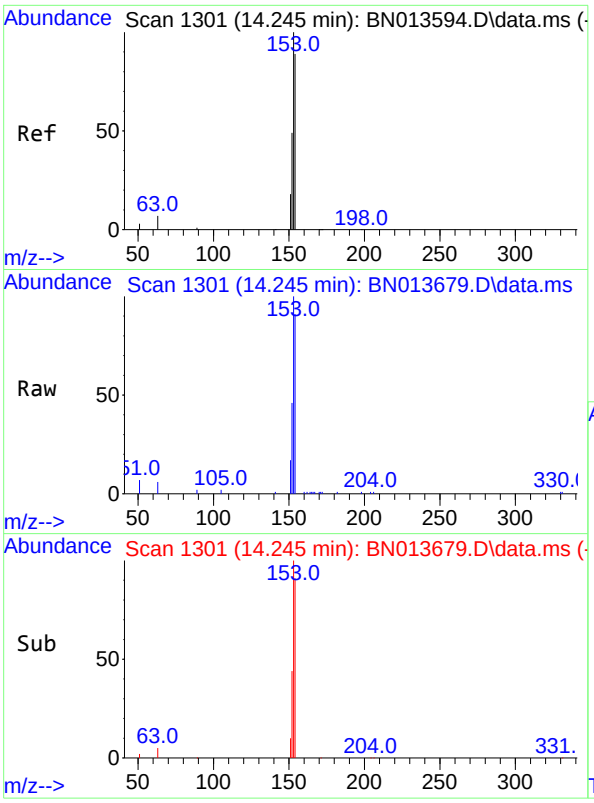


#16
Acenaphthylene
Concen: 0.39 ng
RT: 13.890 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:152 Resp: 17705

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	13.0	10.5	15.7

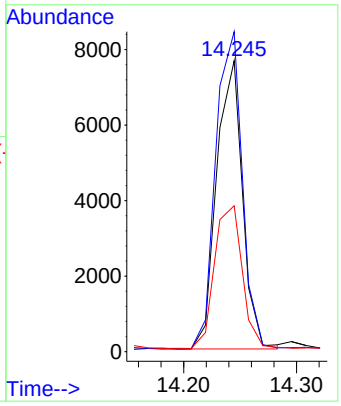




#17
Acenaphthene
Concen: 0.37 ng
RT: 14.245 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:154 Resp: 12144

Ion	Ratio	Lower	Upper
154	100		
153	113.7	88.4	132.6
152	53.7	43.0	64.4



Instrument :
BNA_N
ClientSampleId :
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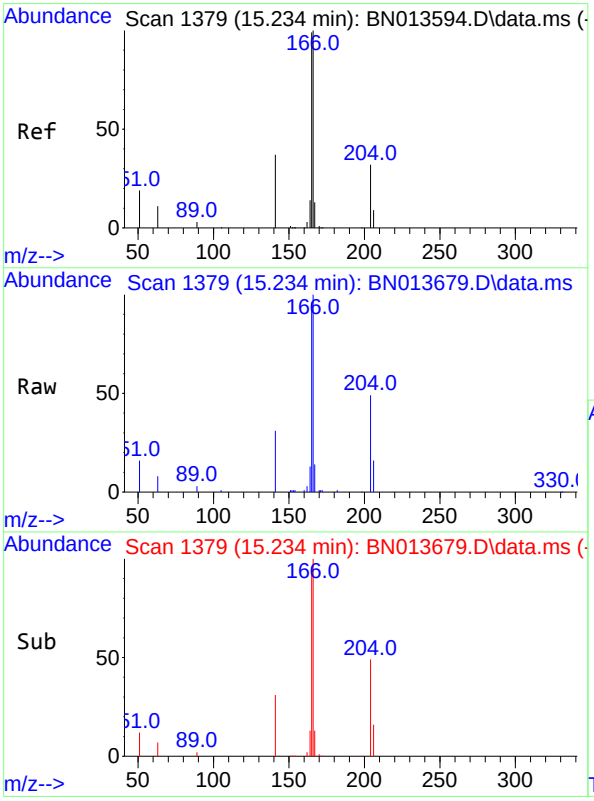
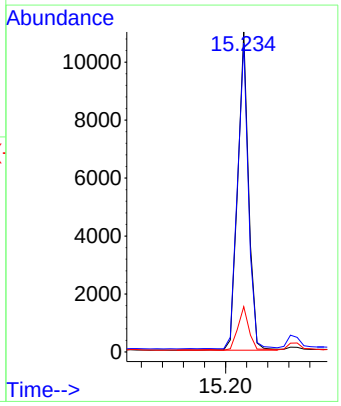
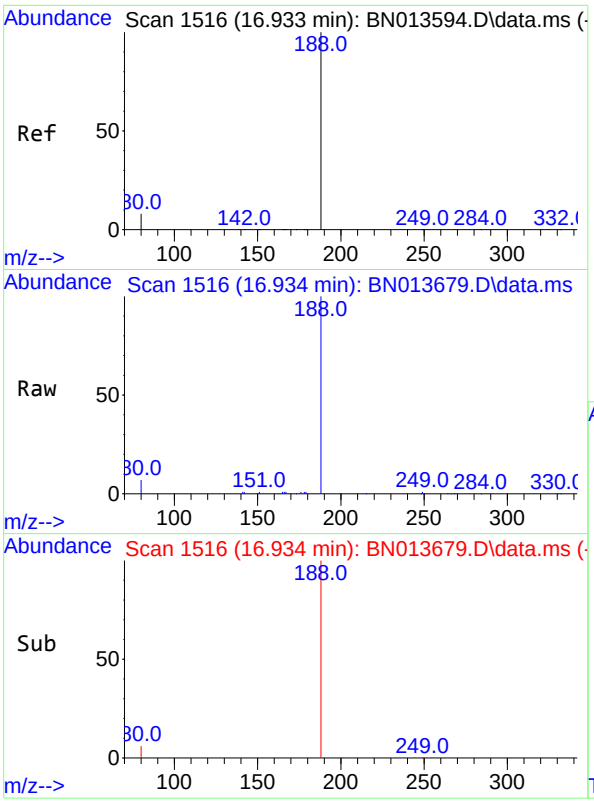


#18
Fluorene
Concen: 0.38 ng
RT: 15.234 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:166 Resp: 15666

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.8	116.8
167	13.9	10.6	16.0

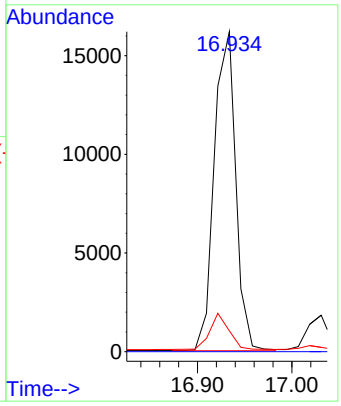




#19
Phenanthrene-d10
Concen: 0.40 ng m
RT: 16.934 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:188 Resp: 25586

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	9.0	13.6#



Instrument :
BNA_N
ClientSampleId :
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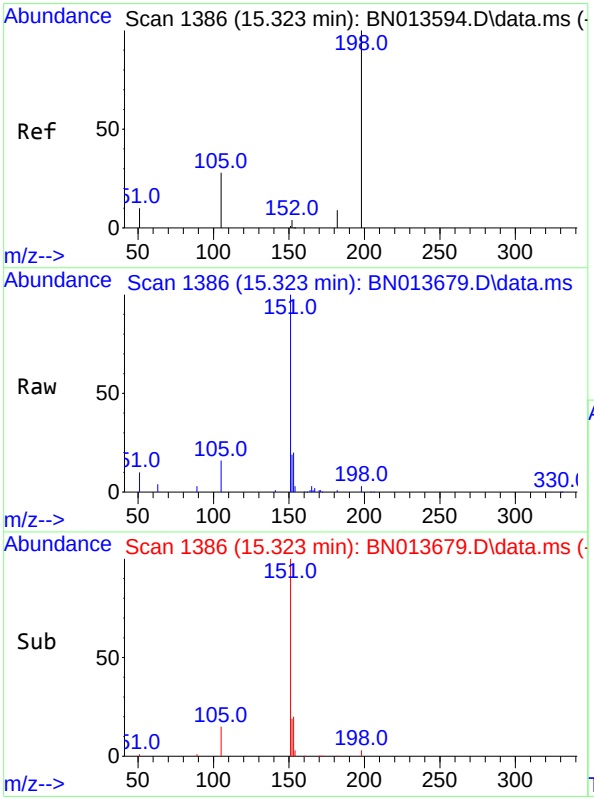
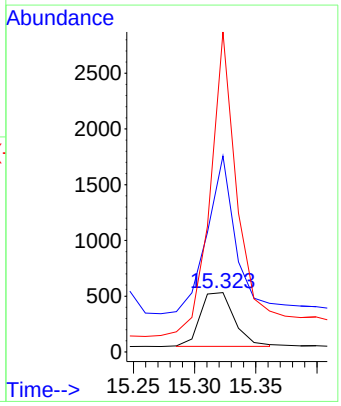
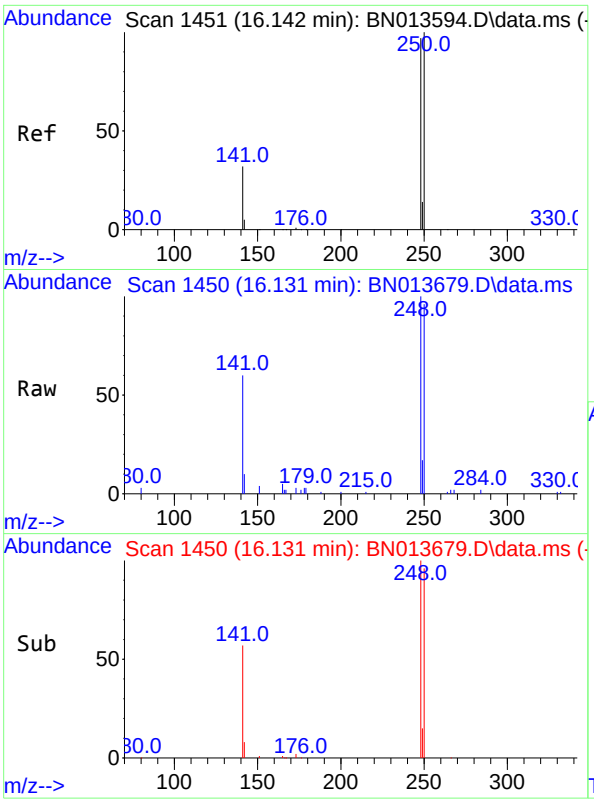


#20
4,6-Dinitro-2-methylphenol
Concen: 0.41 ng m
RT: 15.323 min Scan# 1386
Delta R.T. -0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:198 Resp: 937

Ion	Ratio	Lower	Upper
198	100		
51	329.8	61.7	92.5#
105	538.5	33.0	49.6#

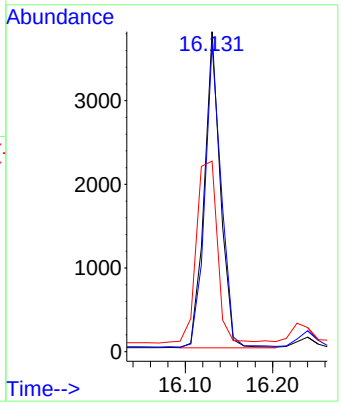




#21
4-Bromophenyl-phenylether
Concen: 0.38 ng m
RT: 16.131 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:248 Resp: 4839

Ion	Ratio	Lower	Upper
248	100		
250	96.3	75.5	113.3
141	59.5	53.8	80.8



Instrument :
BNA_N
ClientSampleId :
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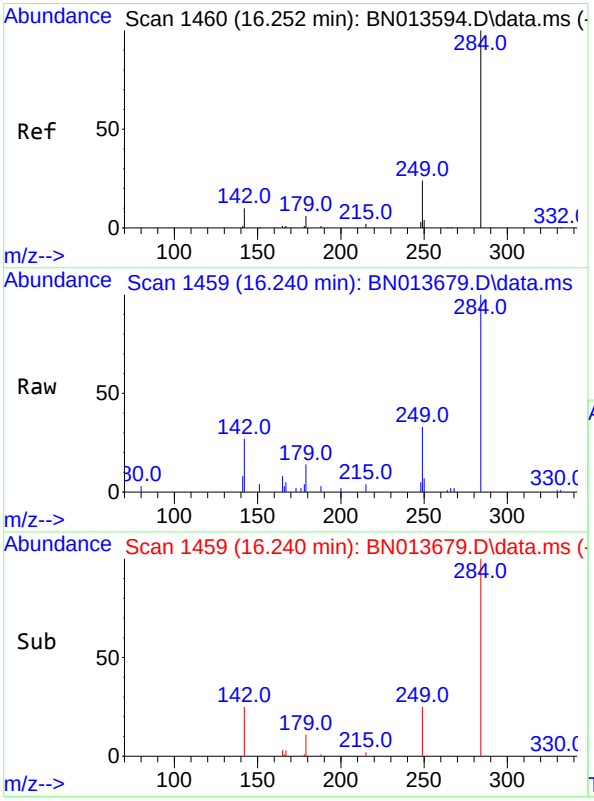
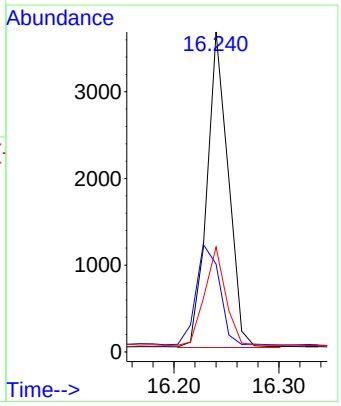
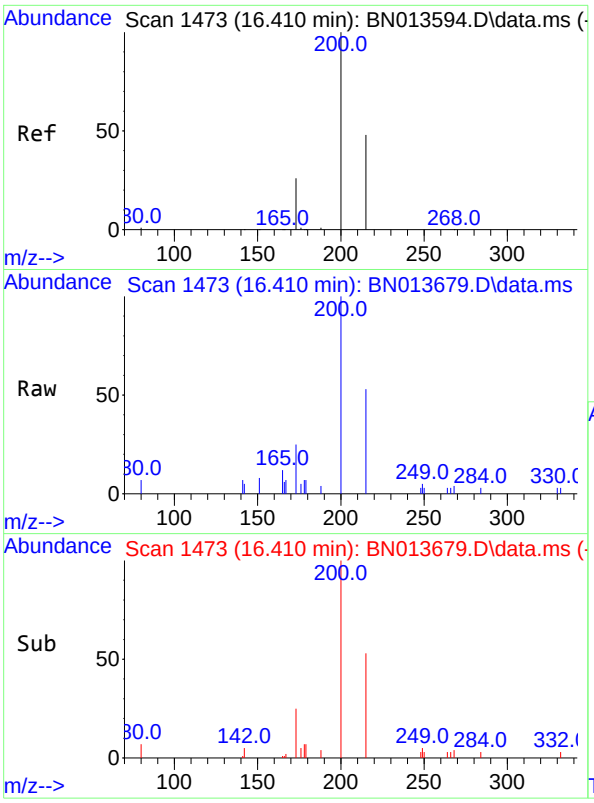


#22
Hexachlorobenzene
Concen: 0.37 ng m
RT: 16.240 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:284 Resp: 5132

Ion	Ratio	Lower	Upper
284	100		
142	0.0	27.9	41.9#
249	0.0	24.2	36.2#

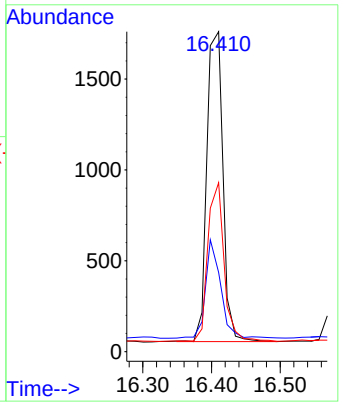




#23
Atrazine
Concen: 0.34 ng
RT: 16.410 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:200 Resp: 2776

Ion	Ratio	Lower	Upper
200	100		
173	24.8	18.6	28.0
215	52.8	41.0	61.6



Instrument :
BNA_N
ClientSampleId :
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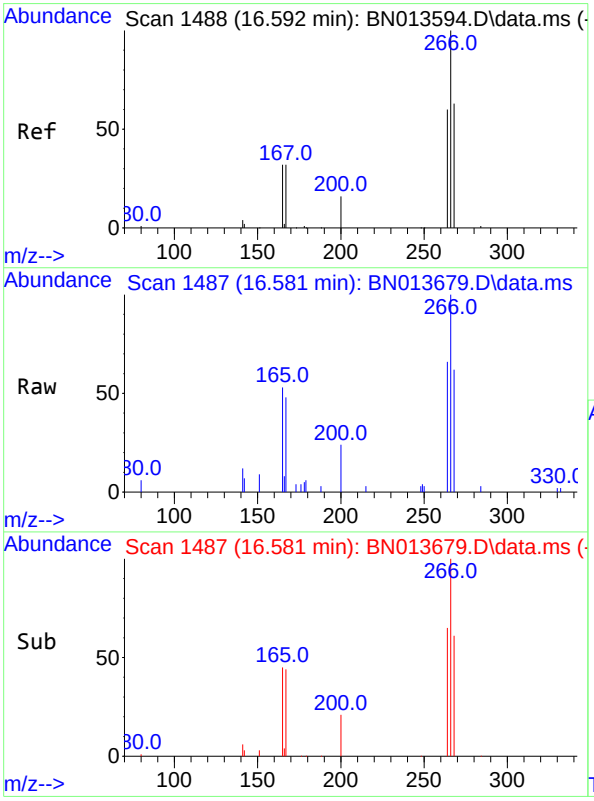
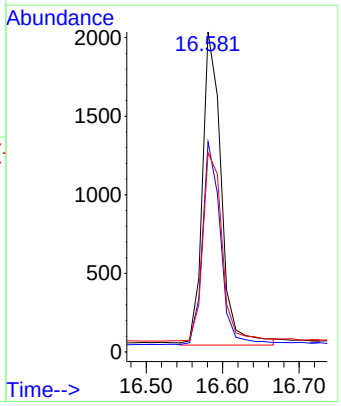
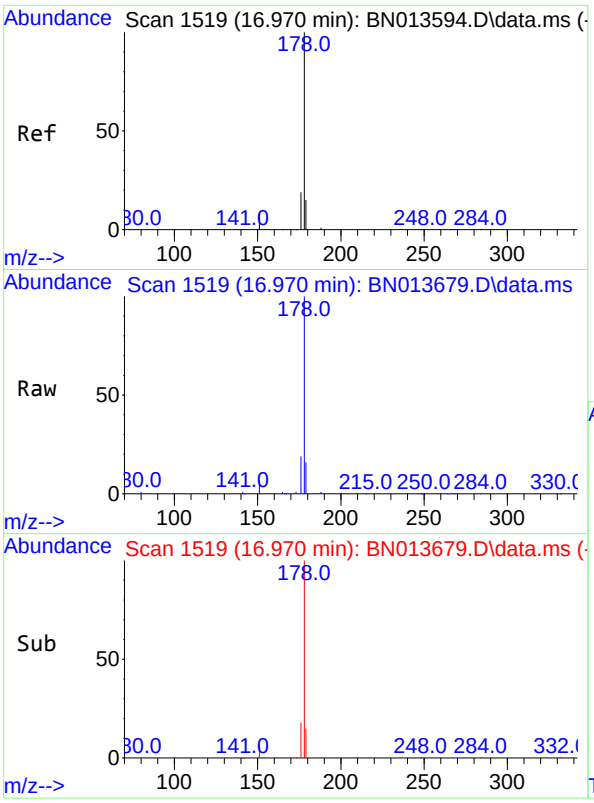


#24
Pentachlorophenol
Concen: 1.02 ng m
RT: 16.581 min Scan# 1487
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:266 Resp: 3406

Ion	Ratio	Lower	Upper
266	100		
264	0.0	51.6	77.4#
268	0.0	54.6	82.0#

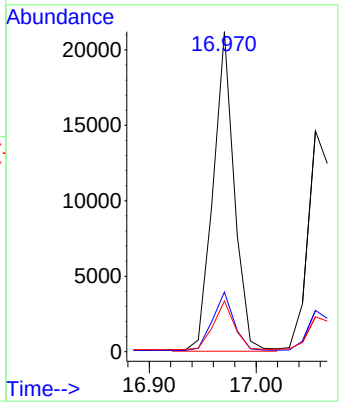


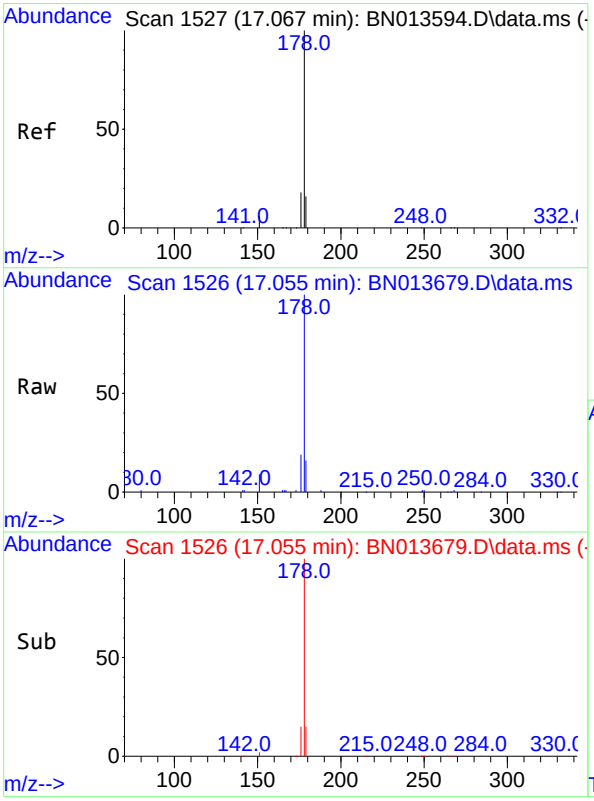


#25
Phenanthrene
Concen: 0.42 ng m
RT: 16.970 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:178 Resp: 29275

Ion	Ratio	Lower	Upper
178	100		
176	15.0	15.0	22.4
179	12.4	12.3	18.5

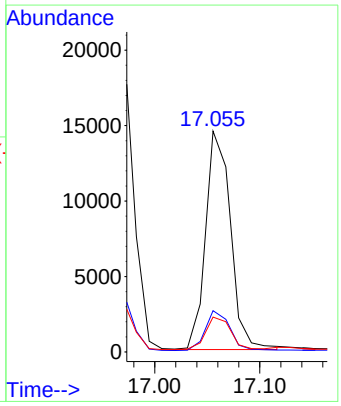




#26
Anthracene
Concen: 0.42 ng m
RT: 17.055 min Scan# 1526
Delta R.T. 0.000 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:178 Resp: 23907

Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	21.8#
179	0.0	12.2	18.2#



Instrument :
BNA_N
ClientSampleId :
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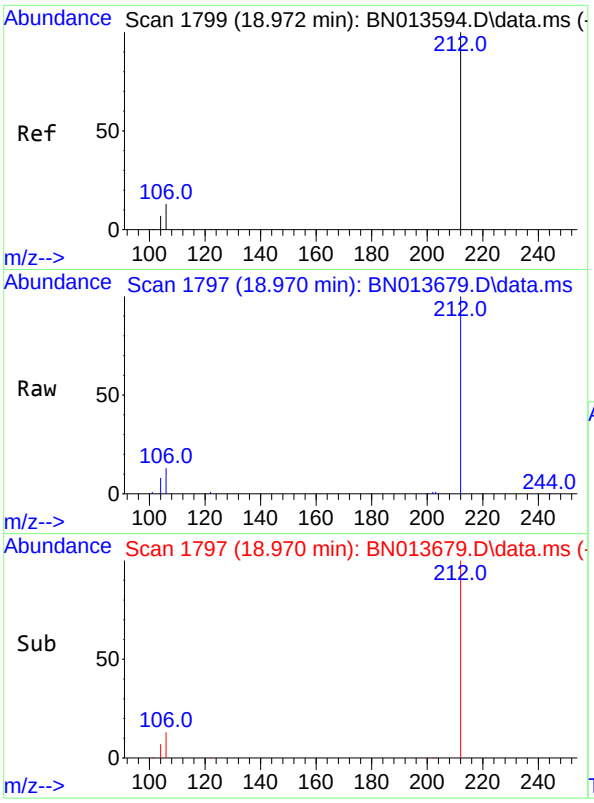
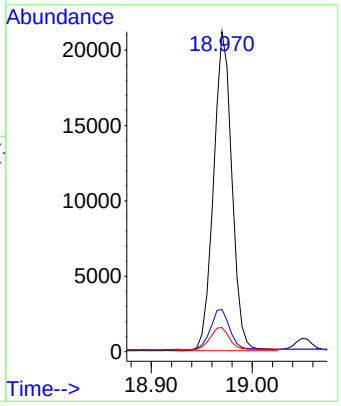


#27
Fluoranthene-d10
Concen: 0.39 ng
RT: 18.970 min Scan# 1797
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:212 Resp: 26710

Ion	Ratio	Lower	Upper
212	100		
106	13.1	9.7	14.5
104	7.4	5.5	8.3



Instrument :
BNA_N
ClientSampleId :
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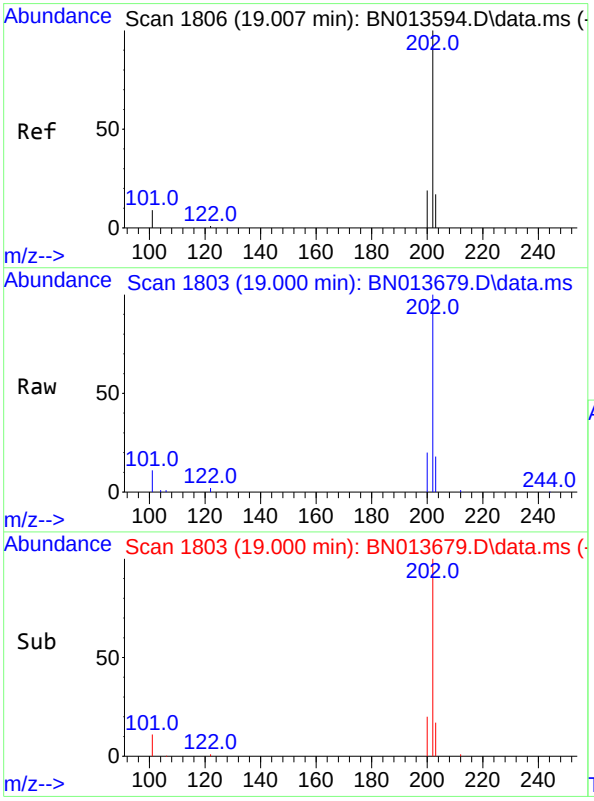
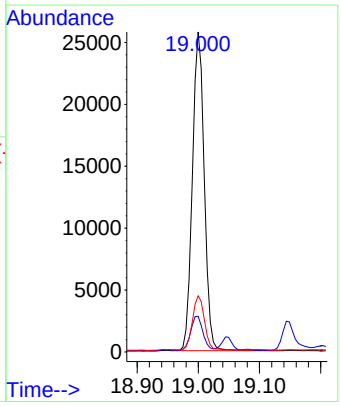
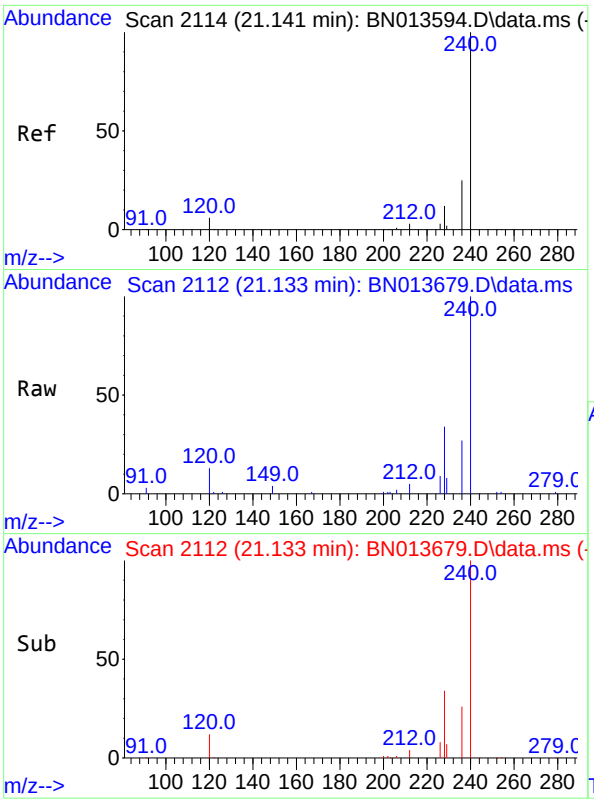


#28
Fluoranthene
Concen: 0.45 ng
RT: 19.000 min Scan# 1803
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:202 Resp: 34616

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.1	12.1
203	17.1	13.9	20.9

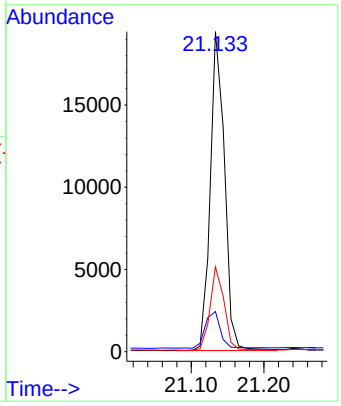




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.133 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:240 Resp: 26455

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.2	15.4
236	26.5	21.3	31.9



Instrument :
BNA_N
ClientSampleId :
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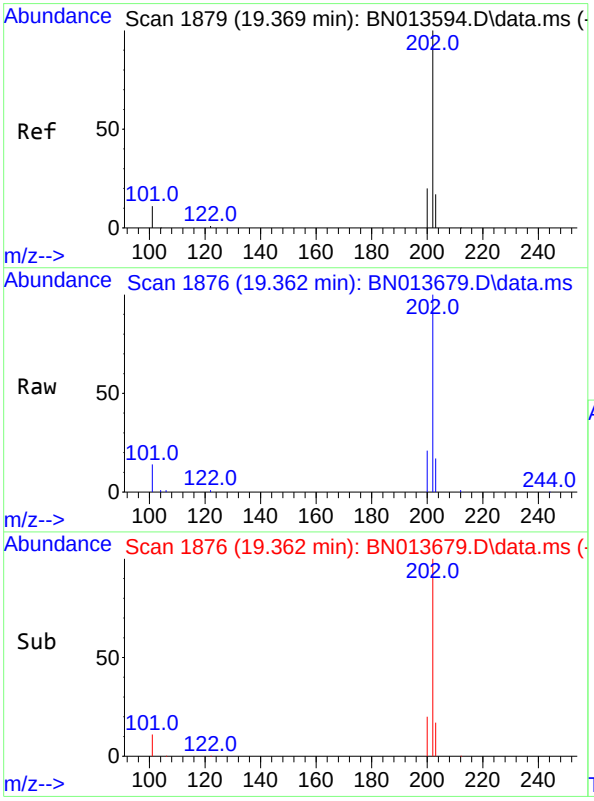
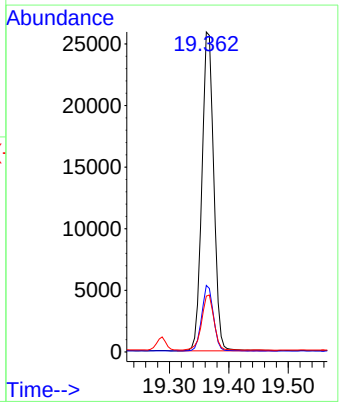
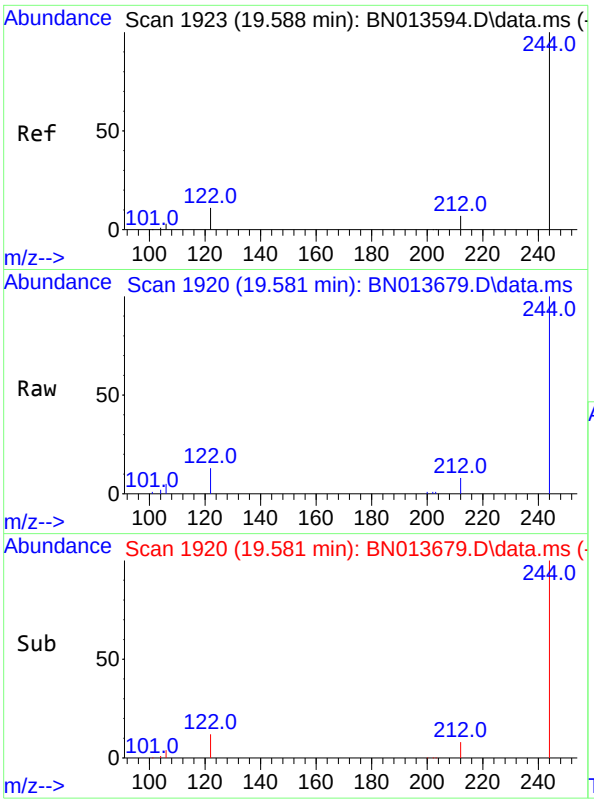


#30
Pyrene
Concen: 0.45 ng
RT: 19.362 min Scan# 1876
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:202 Resp: 35887

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.3	24.5
203	17.8	14.0	21.0

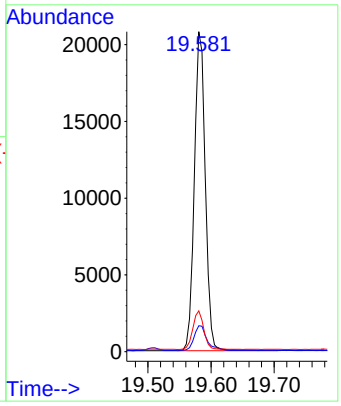


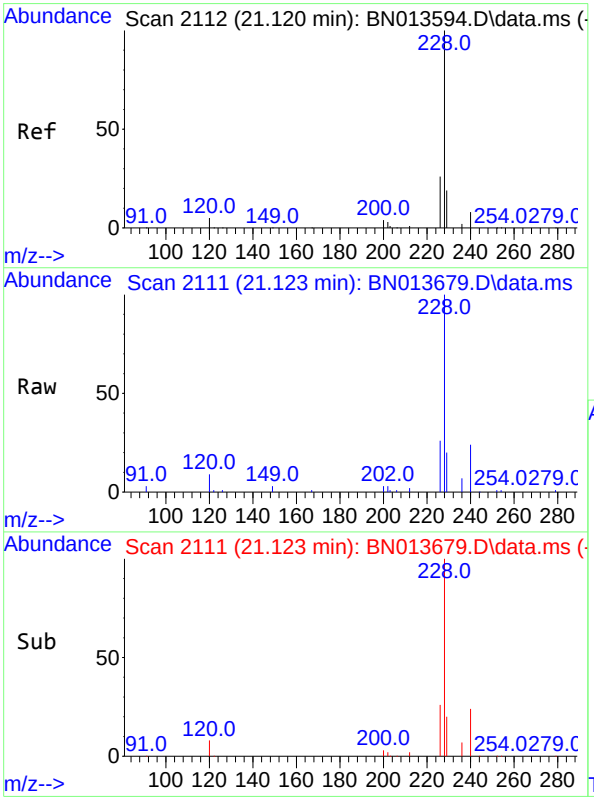


#31
Terphenyl-d14
Concen: 0.43 ng
RT: 19.581 min Scan# 1920
Delta R.T. -0.002 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:244 Resp: 25067

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	12.8	9.8	14.8

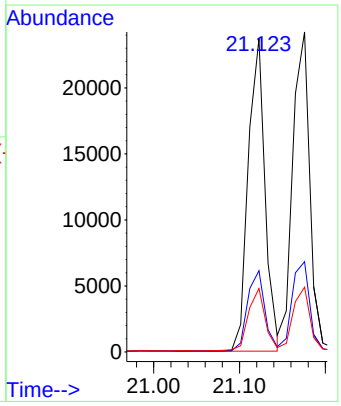




#32
Benzo(a)anthracene
Concen: 0.46 ng
RT: 21.123 min Scan# 2111
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:228 Resp: 32240

Ion	Ratio	Lower	Upper
228	100		
226	25.9	20.5	30.7
229	20.3	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
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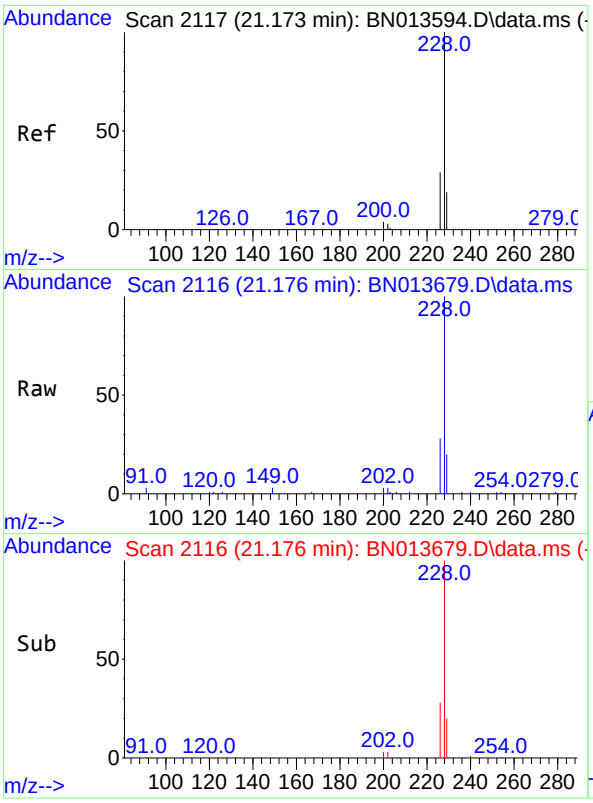
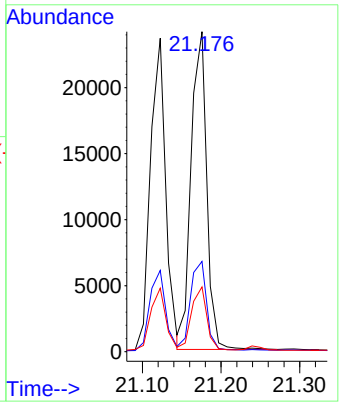
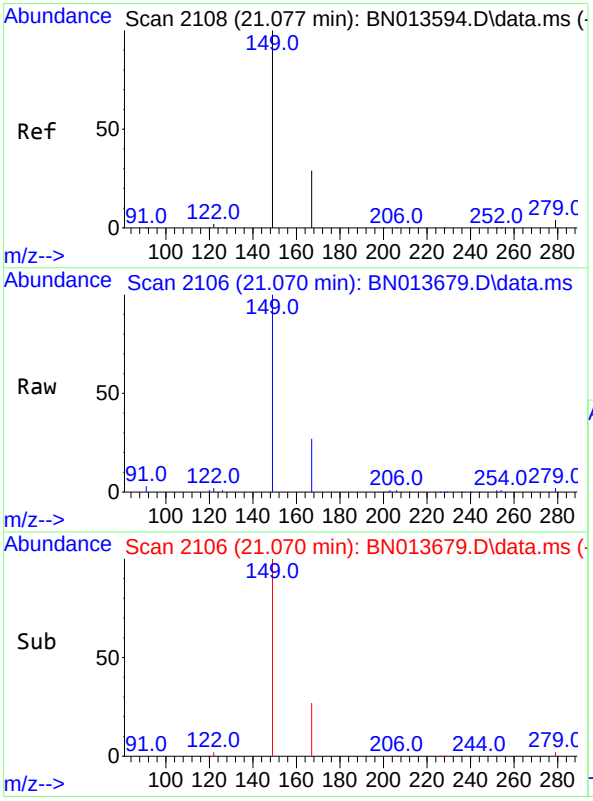


#33
Chrysene
Concen: 0.41 ng
RT: 21.176 min Scan# 2116
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:228 Resp: 33266

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.3	36.5
229	20.3	15.1	22.7

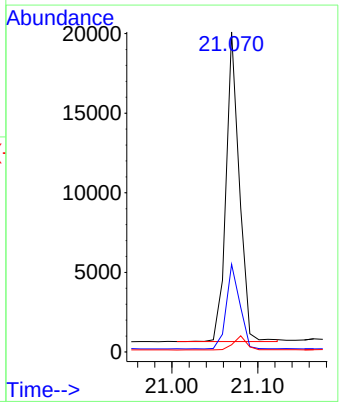




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.00 ng
RT: 21.070 min Scan# 2106
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:149 Resp: 20810

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.6	3.5	5.3



Instrument :
BNA_N
ClientSampleId :
GWBR3-138-150-021721MS

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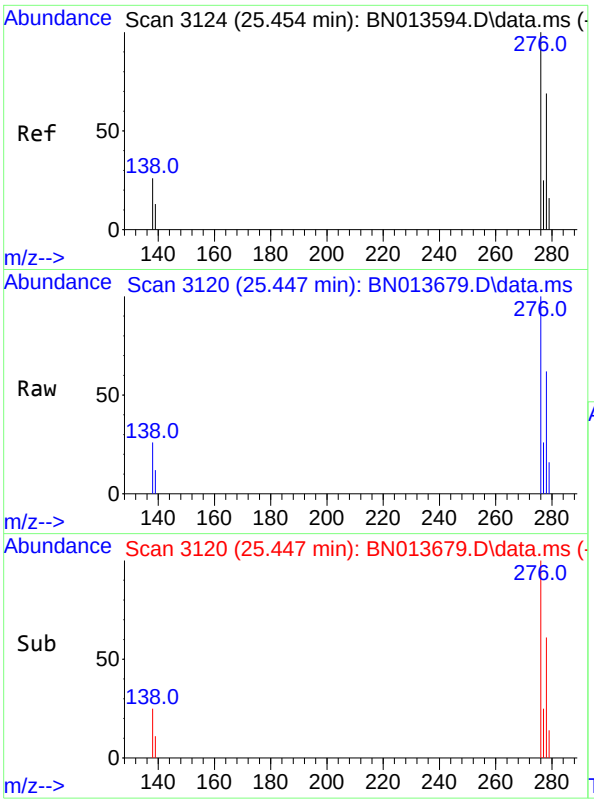
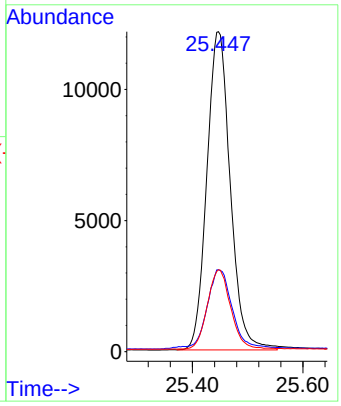


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng
RT: 25.447 min Scan# 3120
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:276 Resp: 35669

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.8	29.6
277	24.7	19.9	29.9



Instrument :
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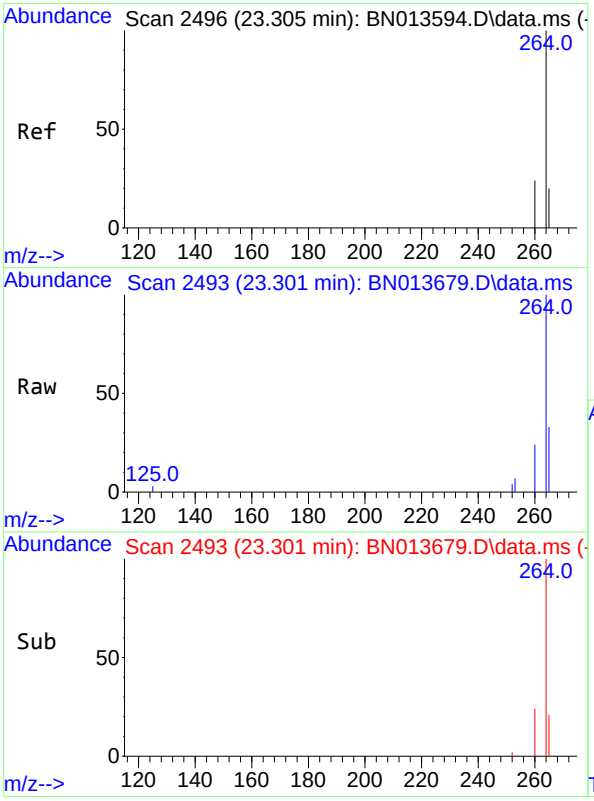
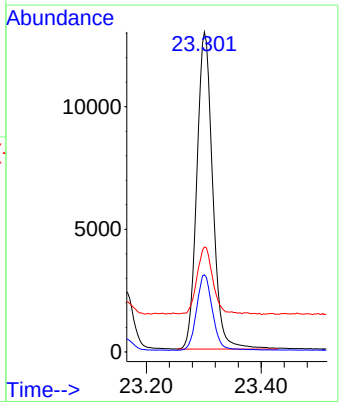
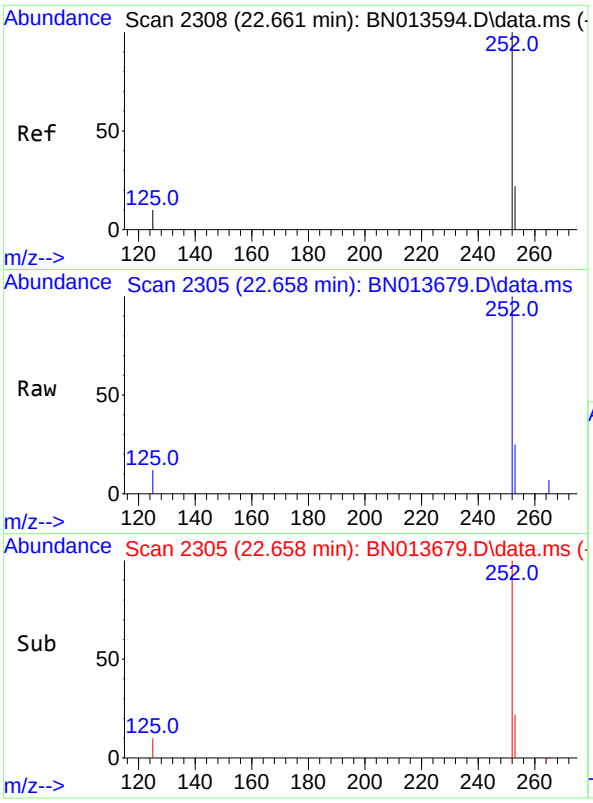


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.301 min Scan# 2493
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:264 Resp: 24839

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	32.8	66.2	99.4#

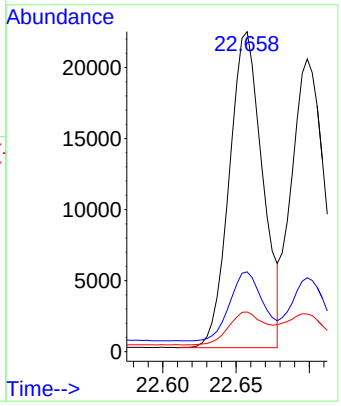




#37
Benzo(b)fluoranthene
Concen: 0.41 ng
RT: 22.658 min Scan# 2305
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:252 Resp: 35111

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.4	30.6
125	12.4	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
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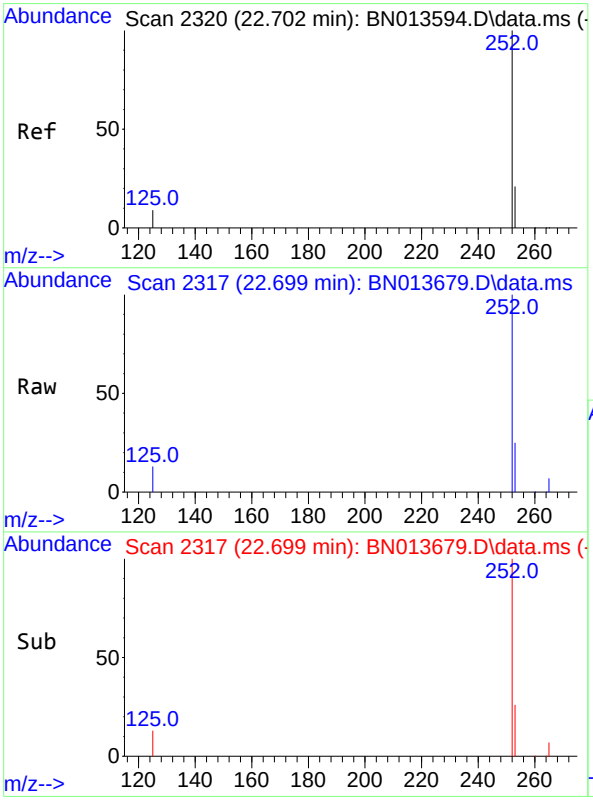
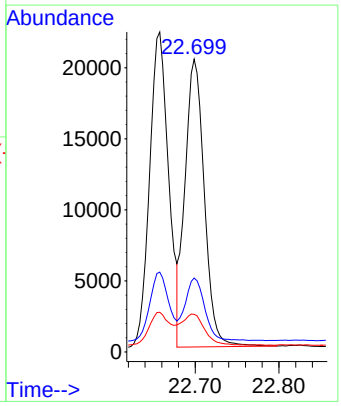
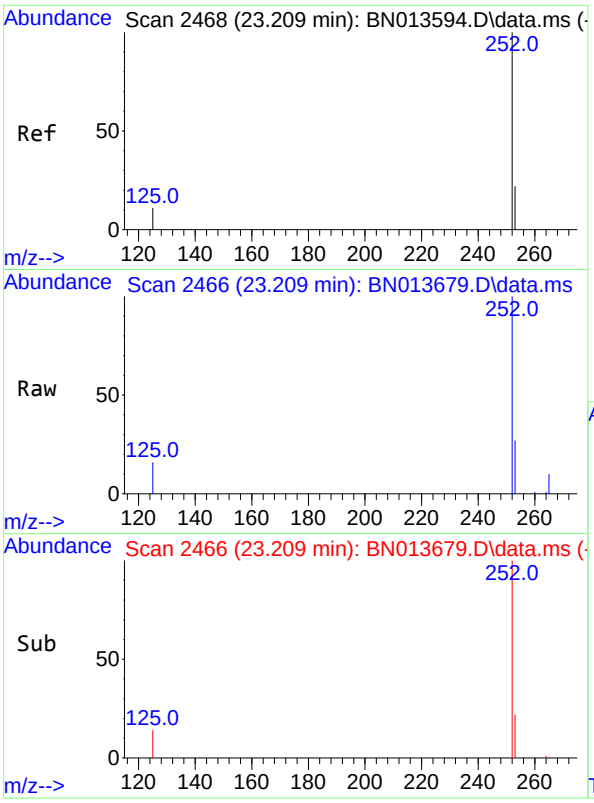


#38
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 22.699 min Scan# 2317
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:252 Resp: 32539

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.5	30.7
125	12.8	12.3	18.5

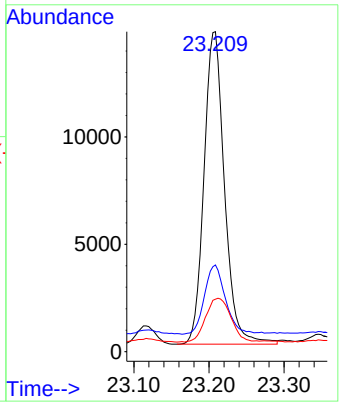




#39
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.209 min Scan# 2466
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:252 Resp: 27631

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.8	32.6
125	16.4	14.6	21.8



Instrument :
BNA_N
ClientSampleId :
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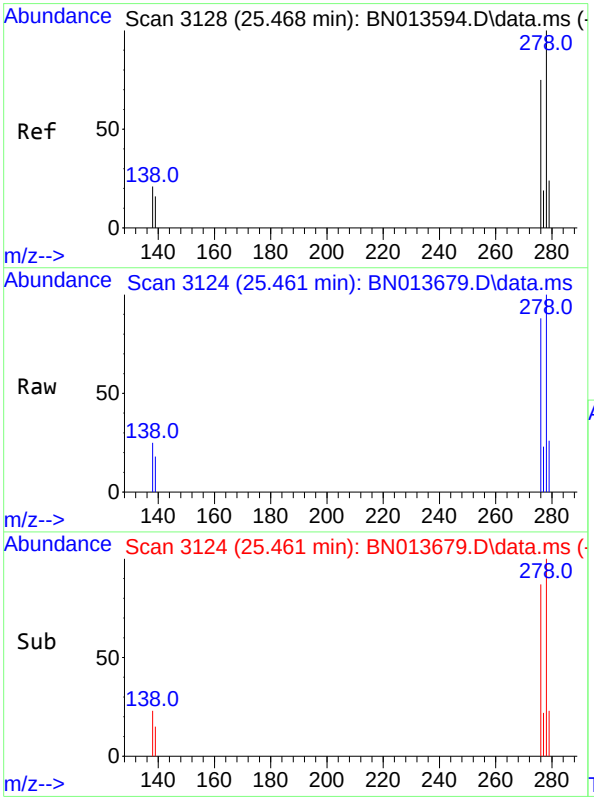
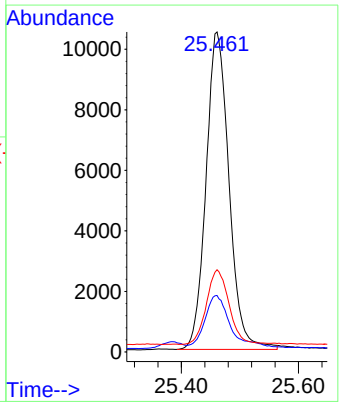
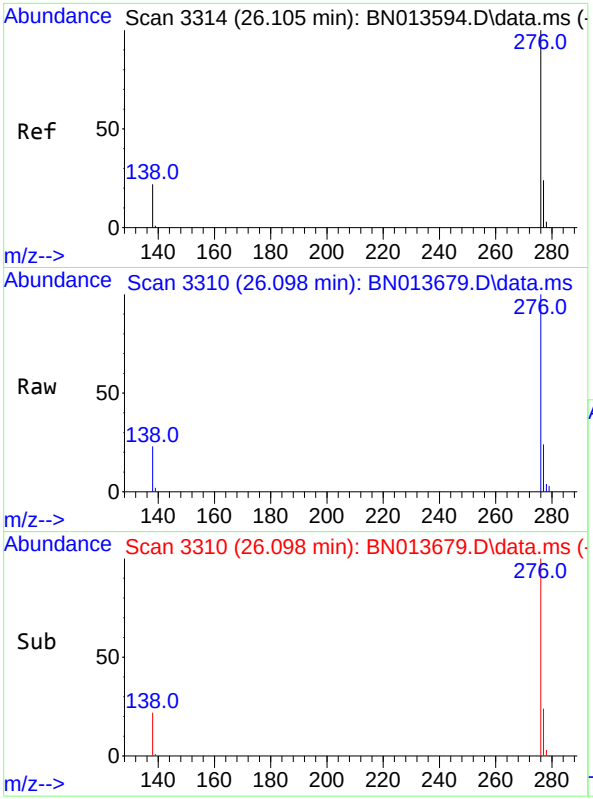


#40
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 25.461 min Scan# 3124
Delta R.T. 0.003 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:278 Resp: 28614

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.1	19.7
279	25.7	21.4	32.0

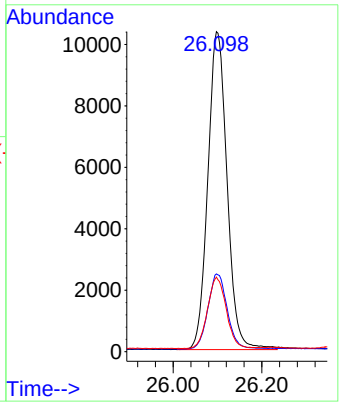




#41
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 26.098 min Scan# 3310
Delta R.T. -0.001 min
Lab File: BN013679.D
Acq: 19 Feb 2021 12:33

Tgt Ion:276 Resp: 31183

Ion	Ratio	Lower	Upper
276	100		
277	24.3	20.0	30.0
138	23.3	17.8	26.8



Instrument :
BNA_N
ClientSampleId :
GWBR3-138-150-021721MS

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