Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073121\
Data File : BN015738.D
Acq On : 31 Jul 2021 16:51
Operator : CG/JU
Sample : M2262-07
Misc : LOD-MDL-WTR-0.1ng
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2021

Manual Integrations APPROVED
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Quant Time: Aug 02 04:28:18 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN073021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 02 04:24:05 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	39049	0.400	ng		0.00
7) Naphthalene-d8	10.571	136	176439	0.400	ng		0.00
13) Acenaphthene-d10	14.421	164	92369	0.400	ng		0.00
19) Phenanthrene-d10	17.163	188	178673	0.400	ng		0.00
29) Chrysene-d12	21.376	240	162821	0.400	ng		0.00
35) Perylene-d12	23.717	264	176214	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.392	112	30818	0.294	ng		0.00
5) Phenol-d6	6.951	99	35465	0.279	ng		0.00
8) Nitrobenzene-d5	8.936	82	31784	0.287	ng		0.00
11) 2-Methylnaphthalene-d10	12.163	152	105868	0.398	ng		0.00
14) 2,4,6-Tribromophenol	15.905	330	8794	0.220	ng		-0.01
15) 2-Fluorobiphenyl	13.038	172	112876	0.319	ng		-0.01
27) Fluoranthene-d10	19.207	212	176446	0.375	ng		0.00
31) Terphenyl-d14	19.812	244	123852	0.313	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.355	88	1224	0.091	ng	#	87
3) n-Nitrosodimethylamine	3.742	42	1676	0.065	ng	#	91
6) bis(2-Chloroethyl)ether	7.218	93	10709	0.103	ng		100
9) Naphthalene	10.622	128	45080	0.098	ng		100
10) Hexachlorobutadiene	10.913	225	7799	0.096	ng	#	100
12) 2-Methylnaphthalene	12.238	142	29332	0.098	ng		100
16) Acenaphthylene	14.129	152	32006	0.079	ng		100
17) Acenaphthene	14.484	154	23879	0.090	ng		99
18) Fluorene	15.474	166	28376	0.088	ng		99
20) 4,6-Dinitro-2-methylph...	15.550	198	432	0.031	ng	#	45
21) 4-Bromophenyl-phenylether	16.360	248	9039	0.087	ng	#	69
22) Hexachlorobenzene	16.482	284	10702	0.093	ng		99
23) Atrazine	16.640	200	7486	0.094	ng		96
24) Pentachlorophenol	16.823	266	3187	0.074	ng		99
25) Phenanthrene	17.212	178	46325	0.091	ng		99
26) Anthracene	17.297	178	37705	0.082	ng		100
28) Fluoranthene	19.236	202	48912	0.089	ng		100
30) Pyrene	19.599	202	46646	0.086	ng		100
32) Benzo(a)anthracene	21.355	228	41383	0.080	ng		100
33) Chrysene	21.408	228	46224	0.088	ng		99
34) Bis(2-ethylhexyl)phtha...	21.302	149	14285	0.052	ng		100
36) Indeno(1,2,3-cd)pyrene	26.120	276	55741	0.088	ng	#	91
37) Benzo(b)fluoranthene	23.009	252	47560	0.084	ng		97
38) Benzo(k)fluoranthene	23.056	252	56175m	0.092	ng		
39) Benzo(a)pyrene	23.611	252	43226	0.084	ng		96
40) Dibenzo(a,h)anthracene	26.140	278	47750	0.089	ng	#	70
41) Benzo(g,h,i)perylene	26.852	276	47420	0.086	ng		99

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

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BNA_N
ClientSampleId :
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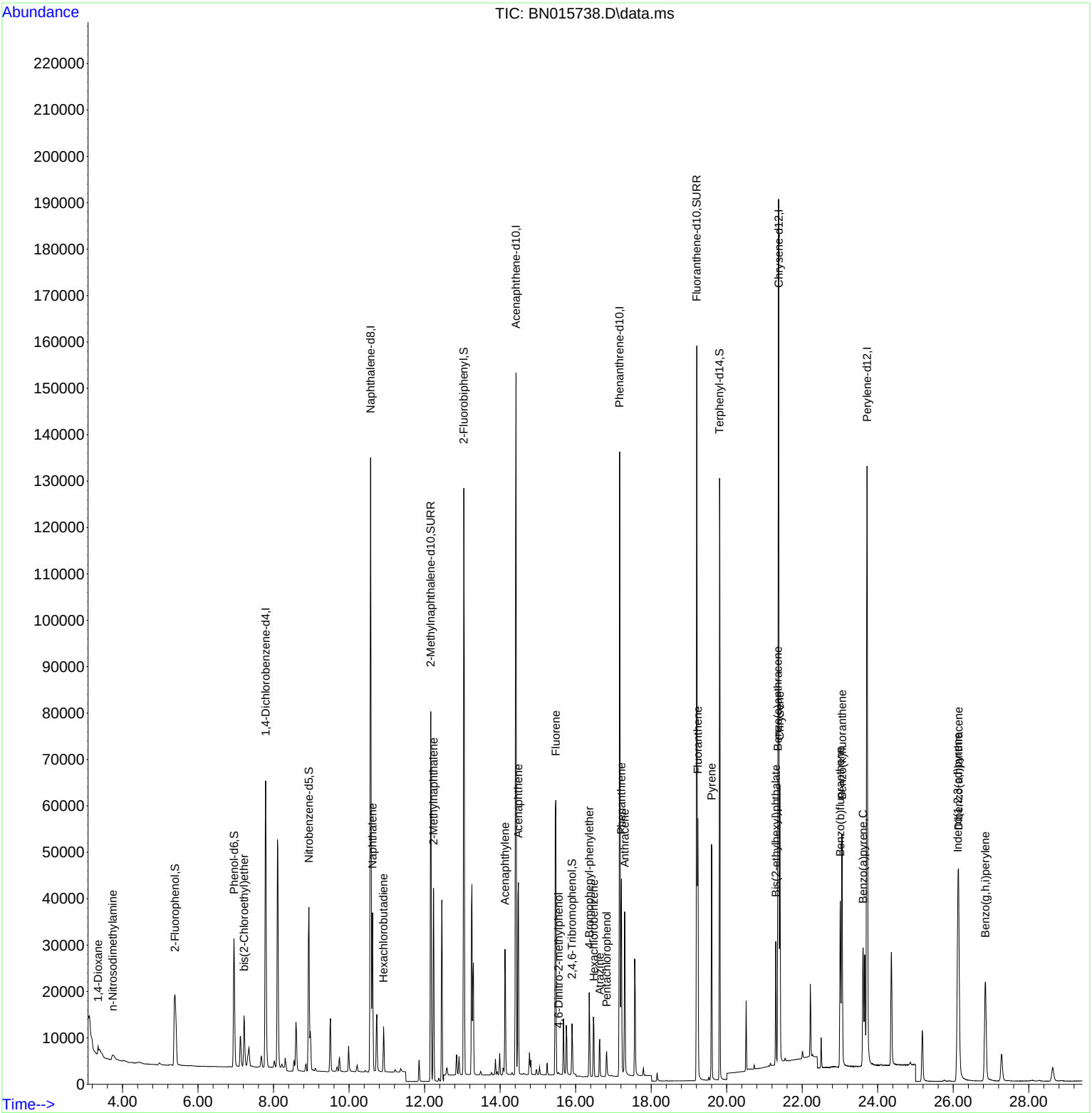
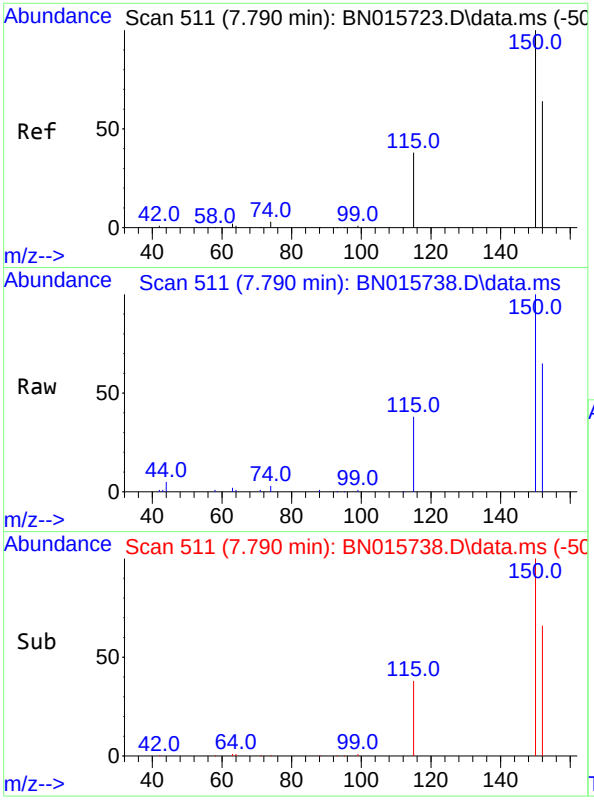
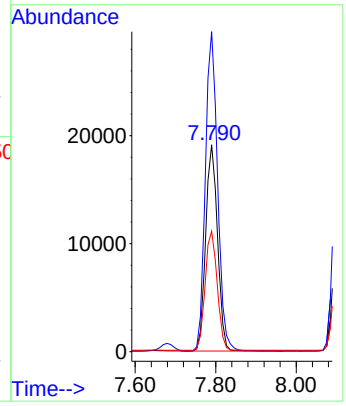


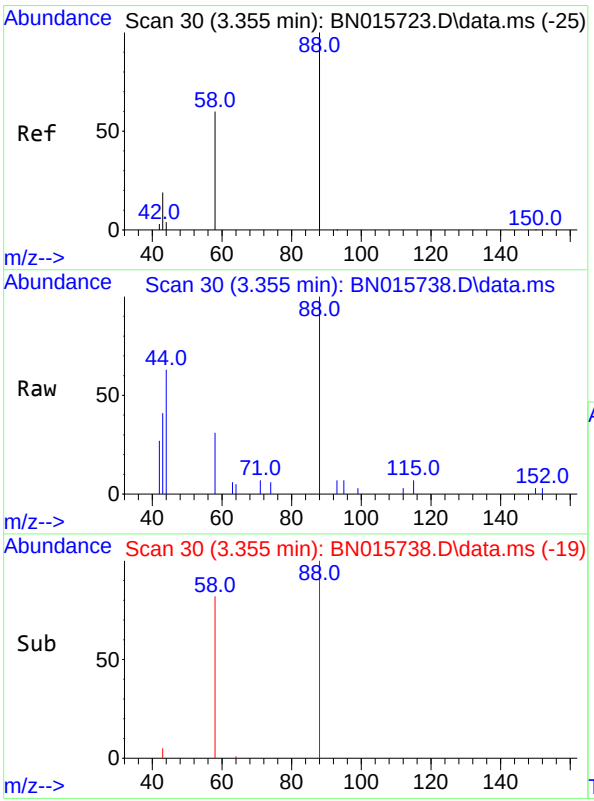


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.790 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:152 Resp: 39049

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.9	185.9
115	58.2	47.8	71.6

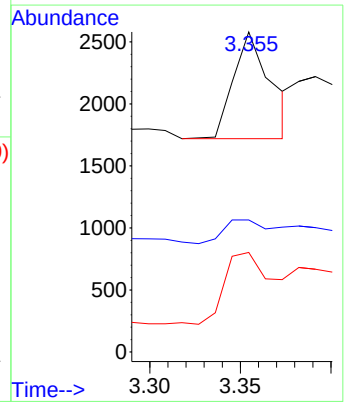




#2
1,4-Dioxane
Concen: 0.091 ng
RT: 3.355 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion: 88 Resp: 1224

Ion	Ratio	Lower	Upper
88	100		
43	30.5	17.2	25.8#
58	87.5	62.2	93.2



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2021

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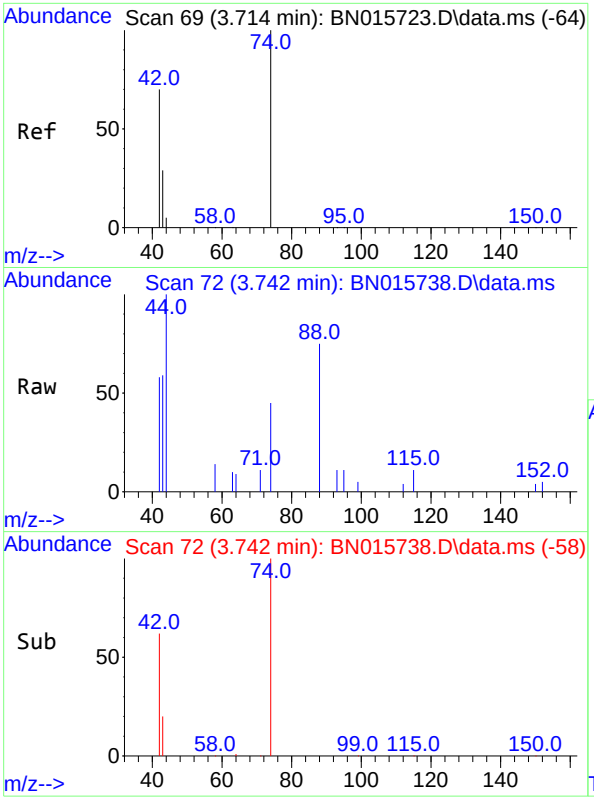
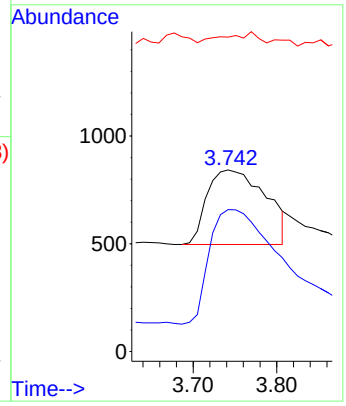


#3
n-Nitrosodimethylamine
Concen: 0.065 ng
RT: 3.742 min Scan# 72
Delta R.T. 0.028 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion: 42 Resp: 1676

Ion	Ratio	Lower	Upper
42	100		
74	156.4	116.6	174.8
44	0.0	6.6	10.0#



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BNA_N
ClientSampleId :
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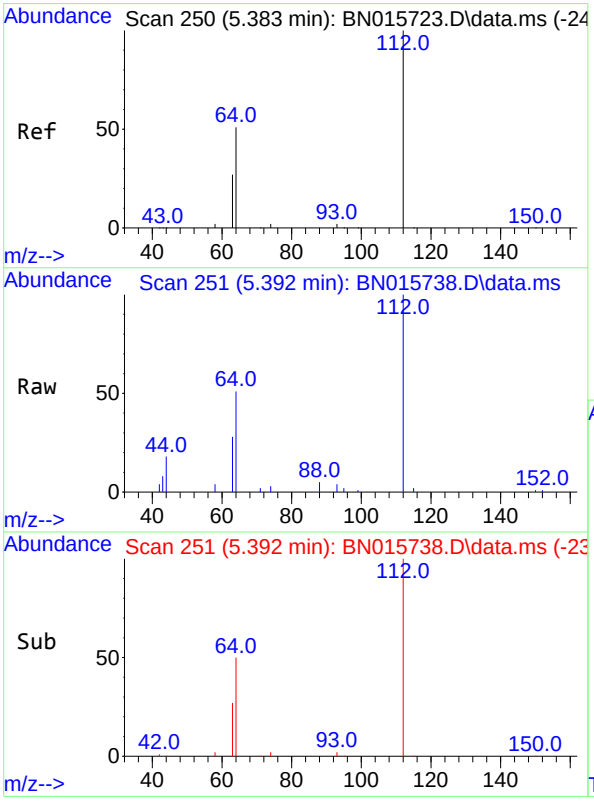
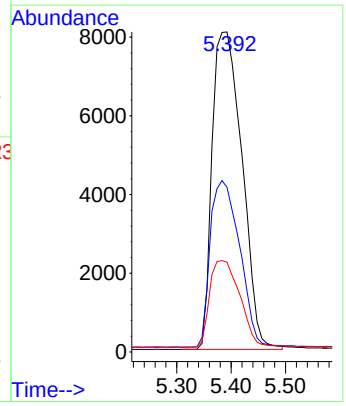
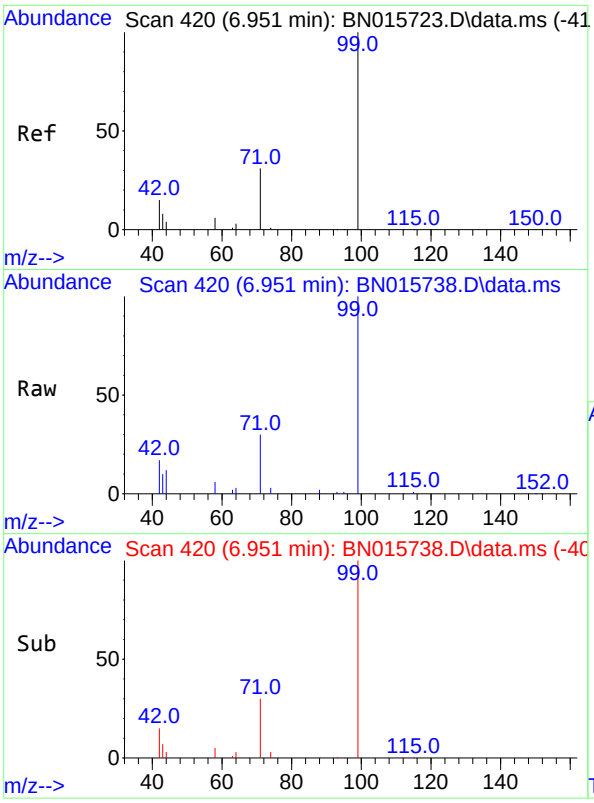


#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.392 min Scan# 251
Delta R.T. 0.009 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:112 Resp: 30818

Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.1	63.1
63	27.3	21.9	32.9

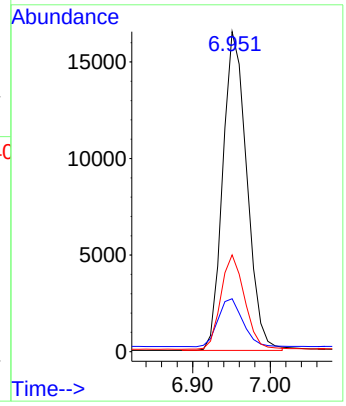


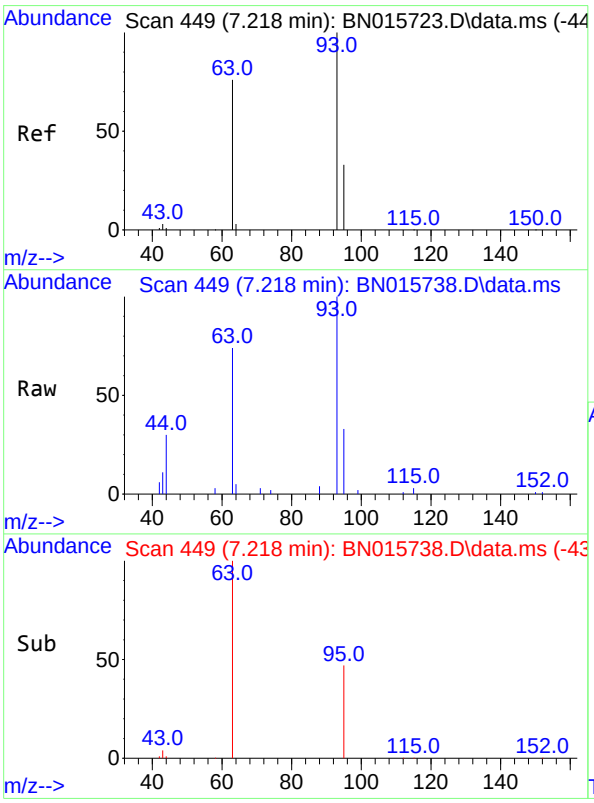


#5
Phenol-d6
Concen: 0.279 ng
RT: 6.951 min Scan# 420
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion: 99 Resp: 35465

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.9	19.3
71	29.3	23.8	35.6

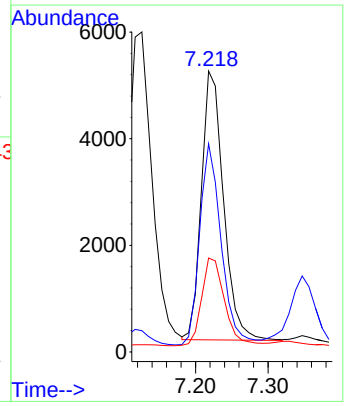




#6
bis(2-Chloroethyl)ether
Concen: 0.103 ng
RT: 7.218 min Scan# 449
Delta R.T. 0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion: 93 Resp: 10709

Ion	Ratio	Lower	Upper
93	100		
63	73.1	58.6	87.8
95	33.8	26.9	40.3



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ClientSampleId :
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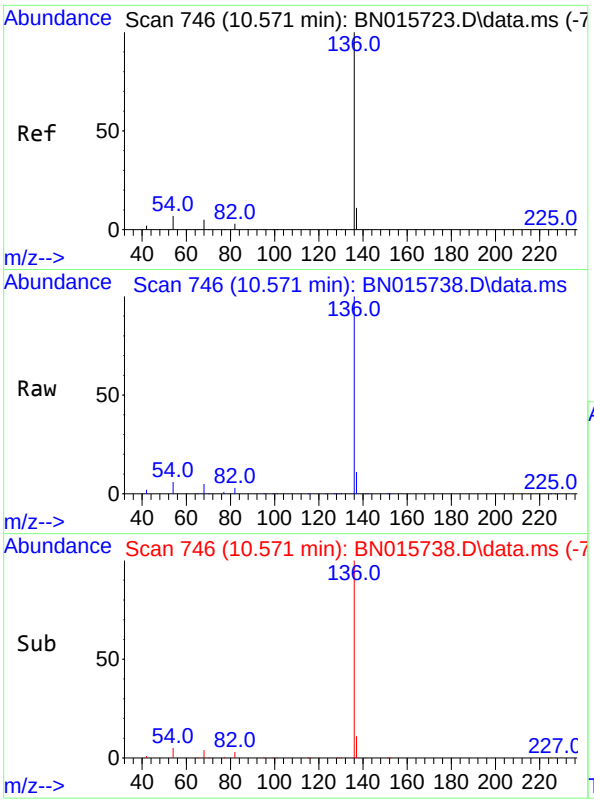
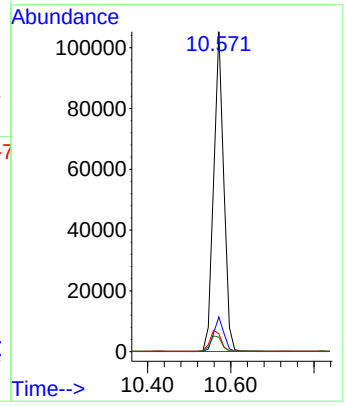
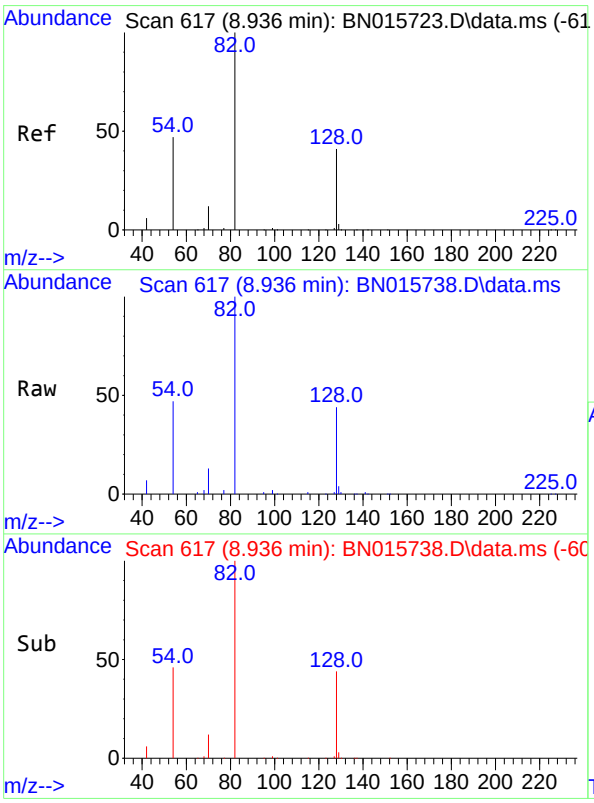


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.571 min Scan# 746
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:136 Resp: 176439

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	5.6	5.5	8.3
68	4.6	4.5	6.7

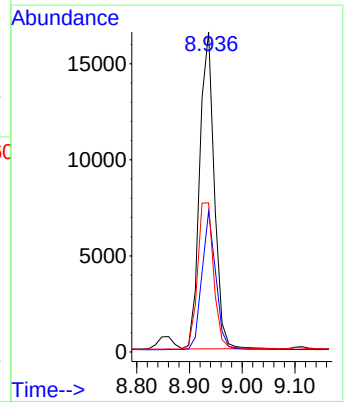




#8
Nitrobenzene-d5
Concen: 0.287 ng
RT: 8.936 min Scan# 617
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion: 82 Resp: 31784

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.2	49.8
54	46.6	38.4	57.6



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ClientSampleId :
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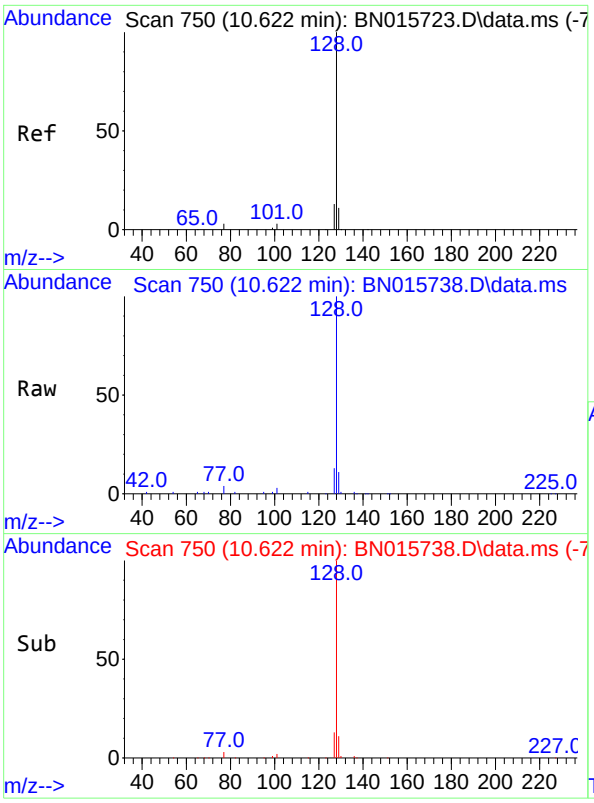
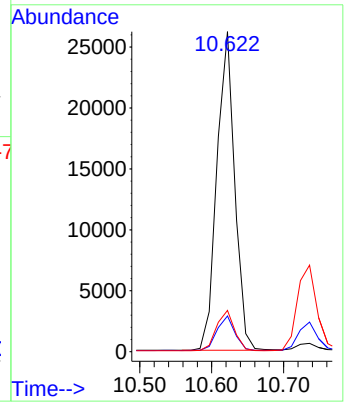


#9
Naphthalene
Concen: 0.098 ng
RT: 10.622 min Scan# 750
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:128 Resp: 45080

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	12.9	10.4	15.6



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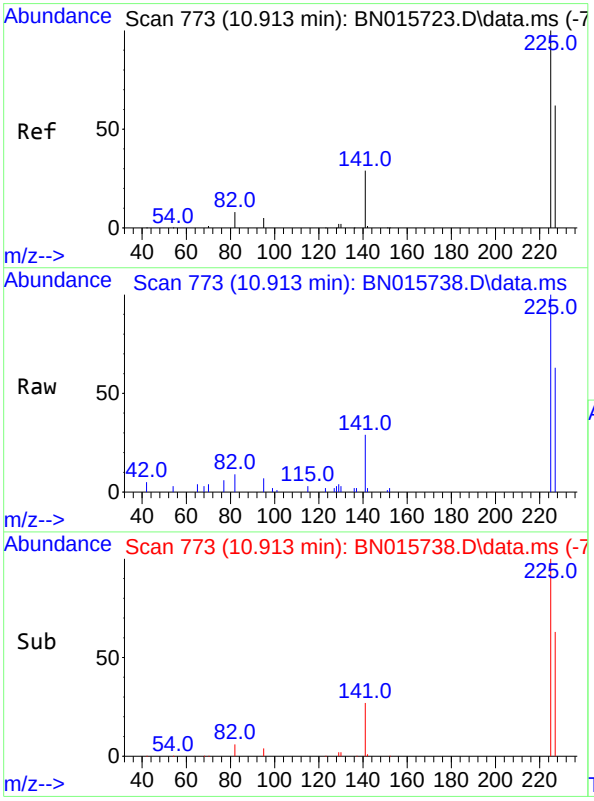
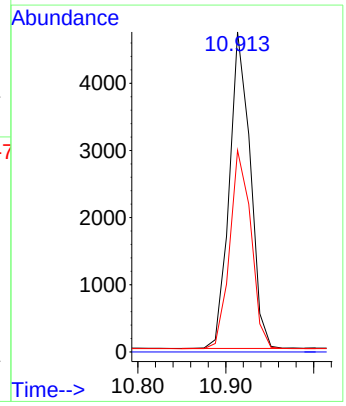
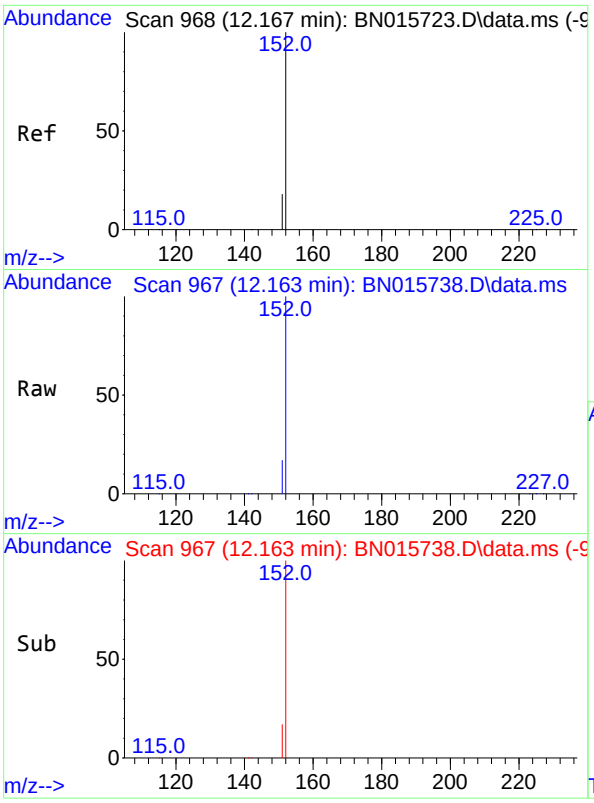


#10
Hexachlorobutadiene
Concen: 0.096 ng
RT: 10.913 min Scan# 773
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:225 Resp: 7799

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.0	76.4

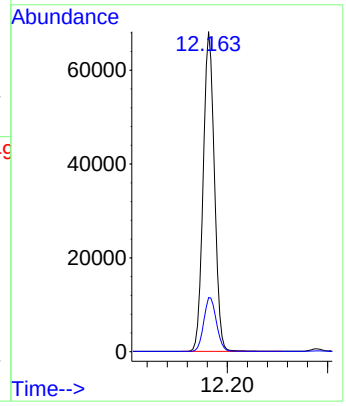


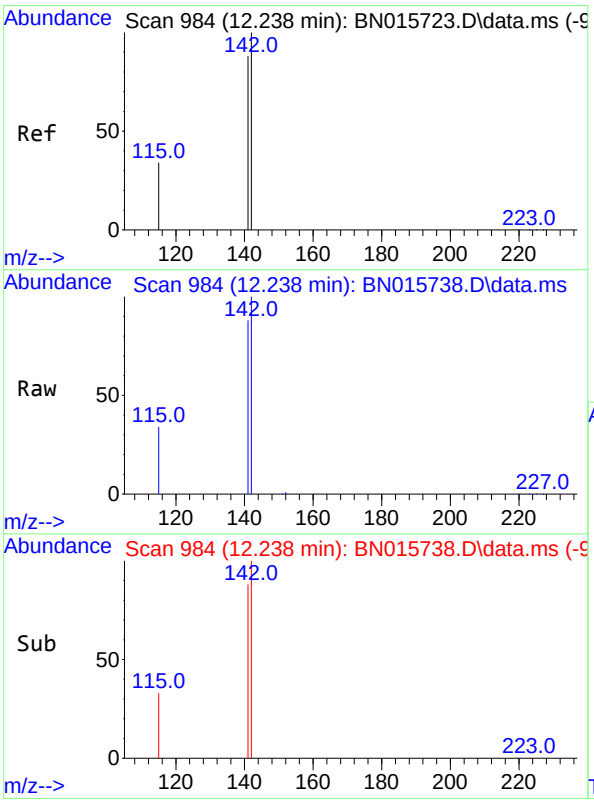


#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 12.163 min Scan# 967
Delta R.T. -0.004 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:152 Resp: 105868

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.2	24.4

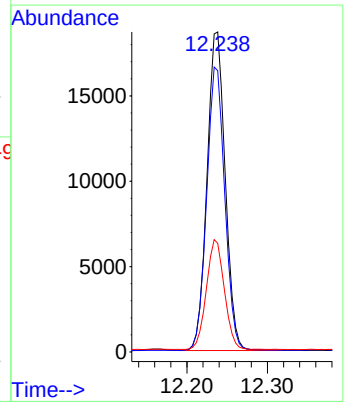




#12
2-Methylnaphthalene
Concen: 0.098 ng
RT: 12.238 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:142 Resp: 29332

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.5	105.7
115	33.9	27.3	40.9



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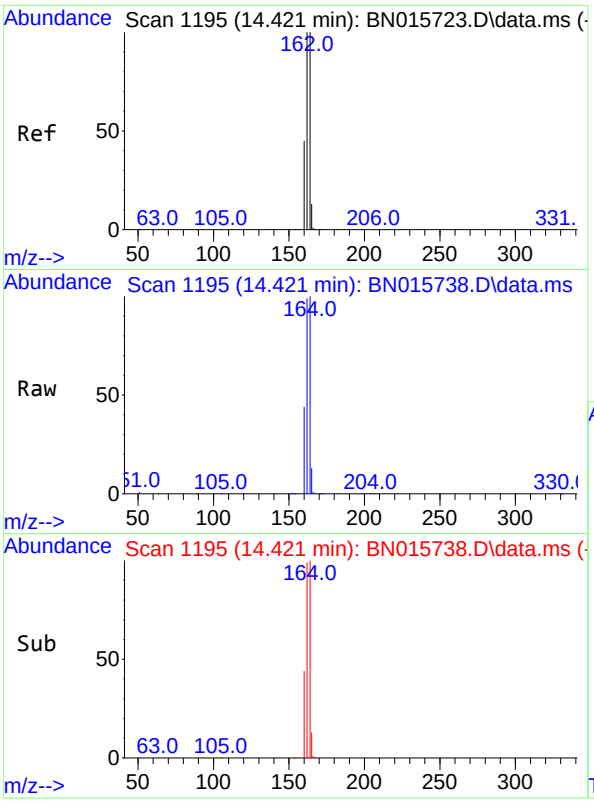
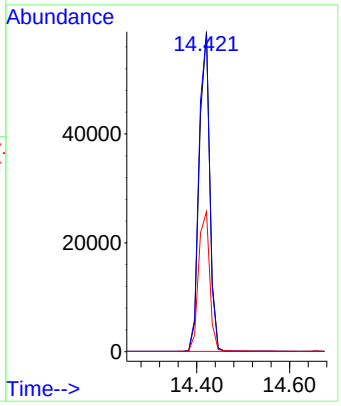


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.421 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:164 Resp: 92369

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.8	119.6
160	43.8	35.8	53.6



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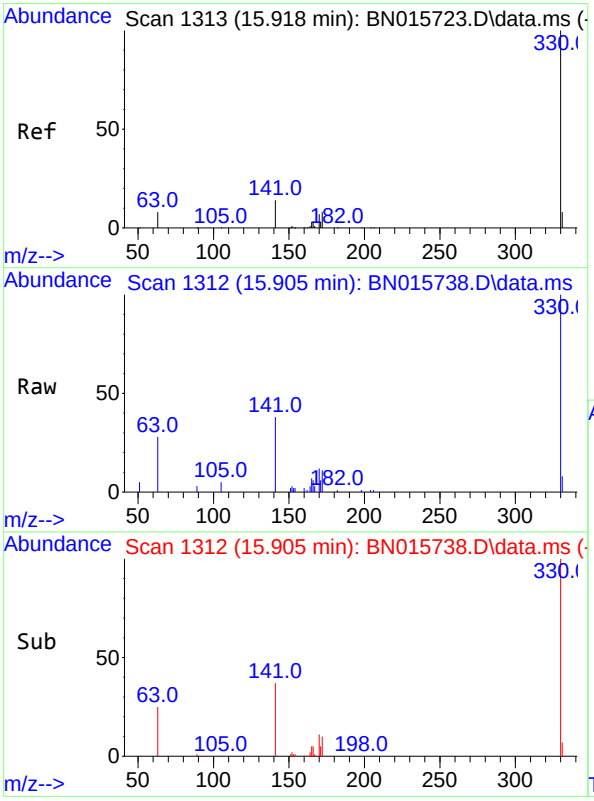
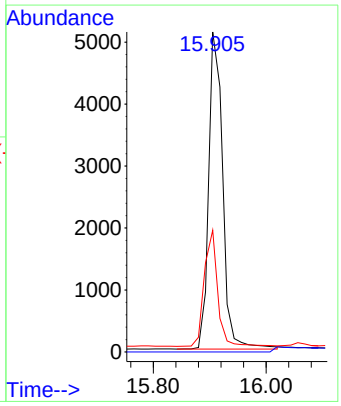
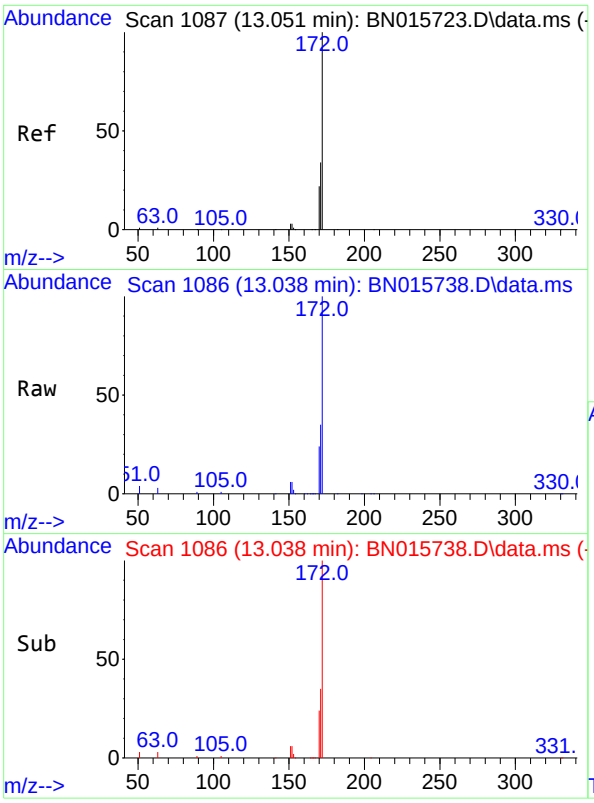


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.905 min Scan# 1312
Delta R.T. -0.013 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:330 Resp: 8794

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.1	28.8	43.2

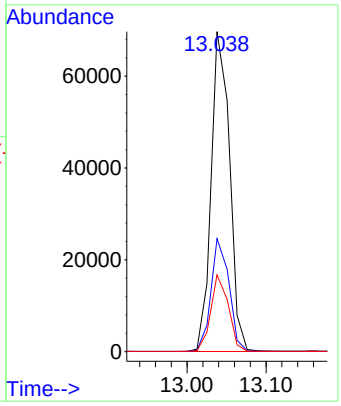


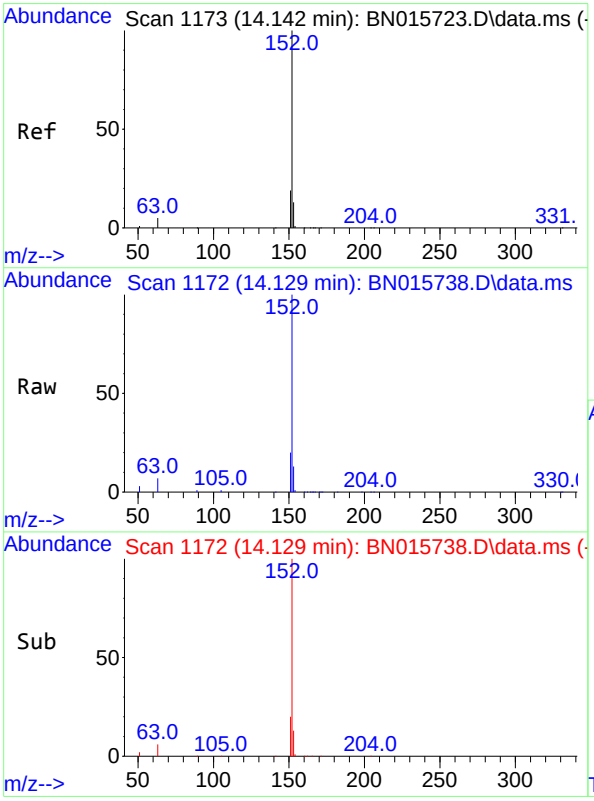


#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.038 min Scan# 1086
Delta R.T. -0.013 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:172 Resp: 112876

Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.9	40.3
170	24.0	17.4	26.0

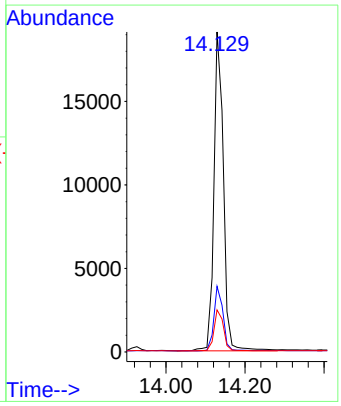




#16
Acenaphthylene
Concen: 0.079 ng
RT: 14.129 min Scan# 1172
Delta R.T. -0.013 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:152 Resp: 32006

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	12.9	10.4	15.6



Instrument :
BNA_N
ClientSampleId :
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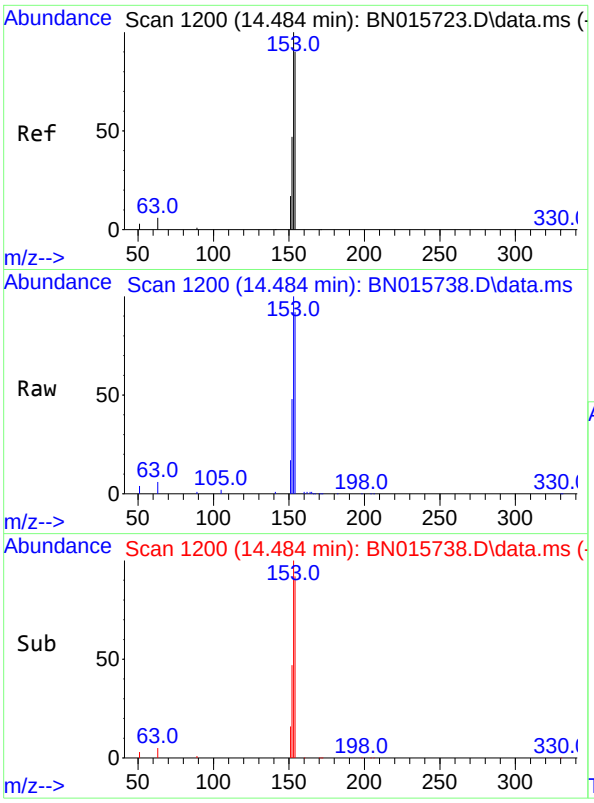
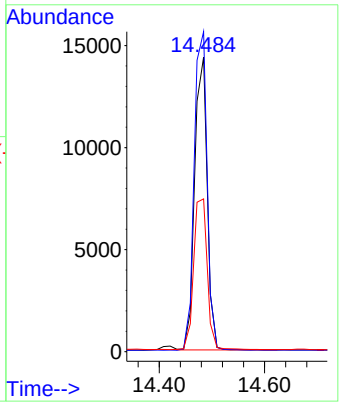


#17
Acenaphthene
Concen: 0.090 ng
RT: 14.484 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:154 Resp: 23879

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.7	134.5
152	55.6	43.8	65.6



Instrument :
BNA_N
ClientSampleId :
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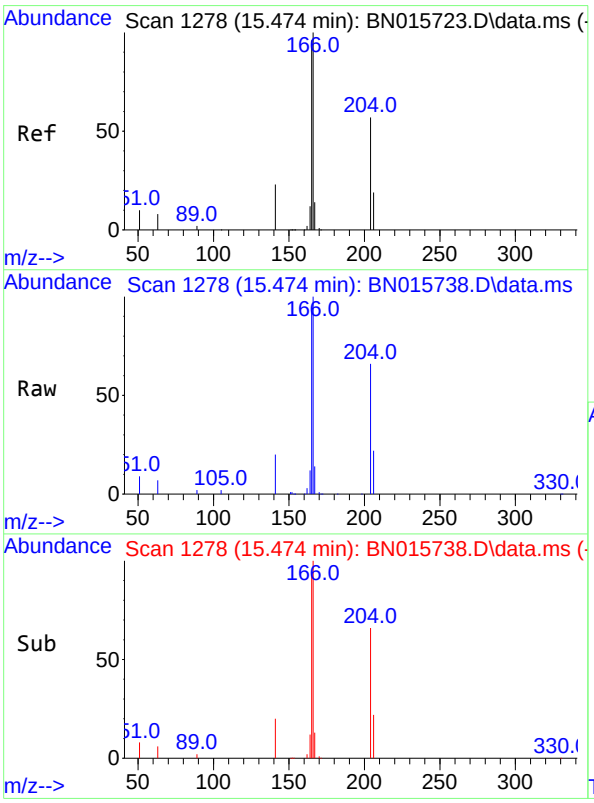
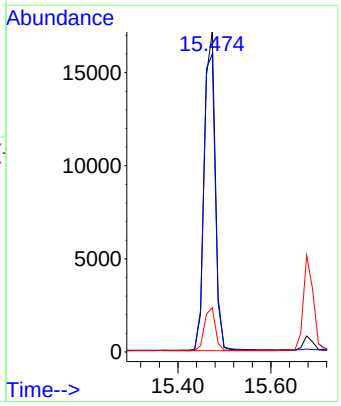


#18
Fluorene
Concen: 0.088 ng
RT: 15.474 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:166 Resp: 28376

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.4	10.8	16.2



Instrument :
BNA_N
ClientSampleId :
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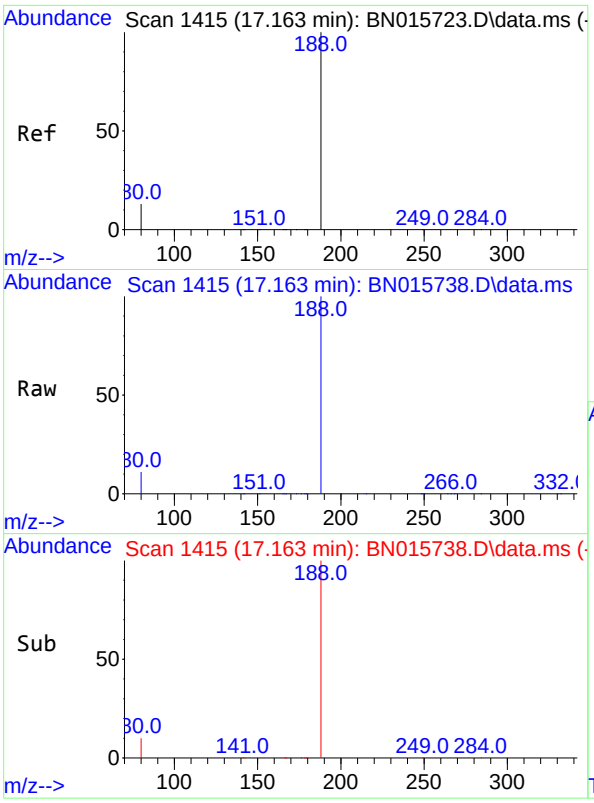
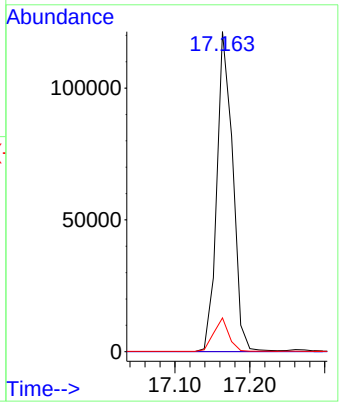
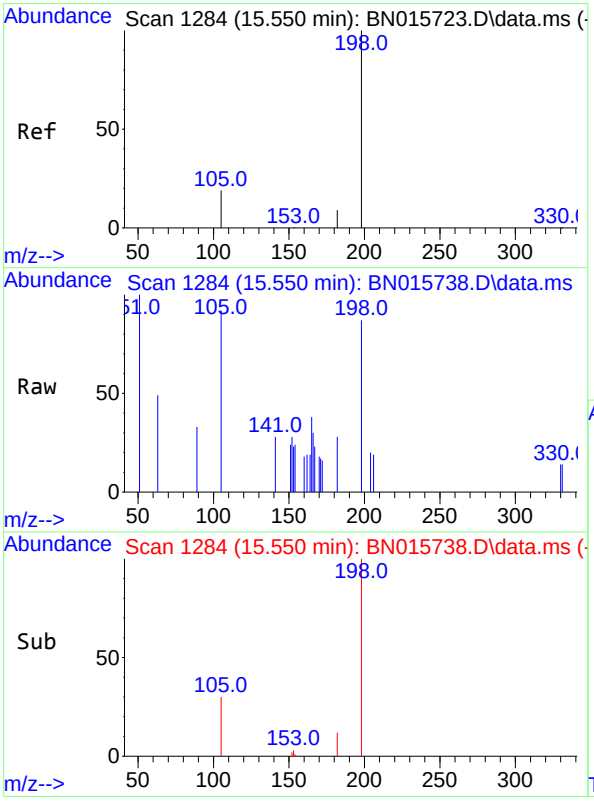


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.163 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:188 Resp: 178673

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	10.2	15.4

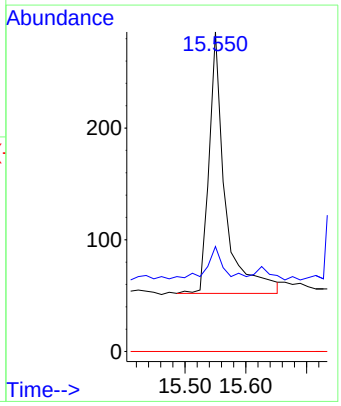


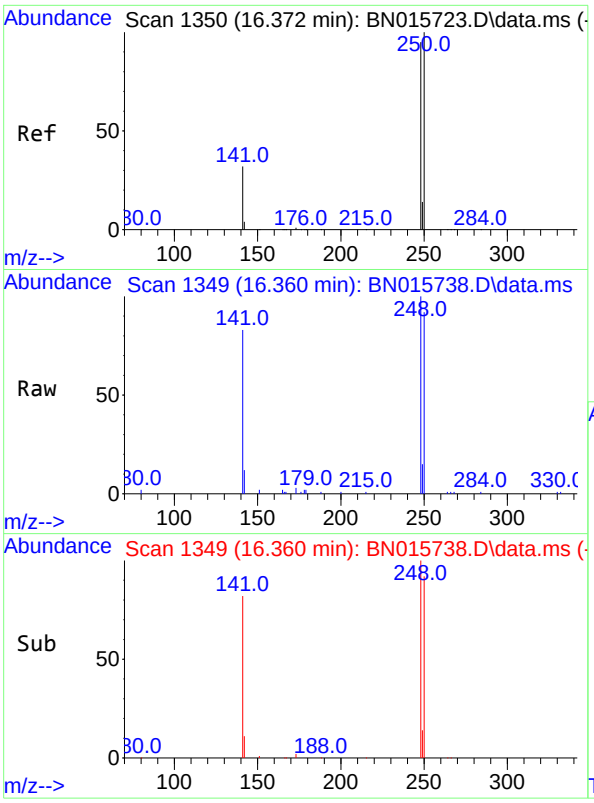


#20
4,6-Dinitro-2-methylphenol
Concen: 0.031 ng
RT: 15.550 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:198 Resp: 432

Ion	Ratio	Lower	Upper
198	100		
182	32.9	9.4	14.0#
77	0.0	0.0	0.0

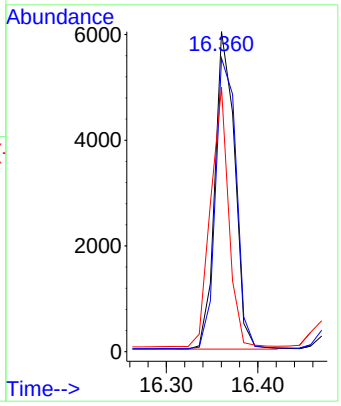




#21
4-Bromophenyl-phenylether
Concen: 0.087 ng
RT: 16.360 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:248 Resp: 9039

Ion	Ratio	Lower	Upper
248	100		
250	91.7	83.9	125.9
141	82.5	26.9	40.3#



Instrument :
BNA_N
ClientSampleId :
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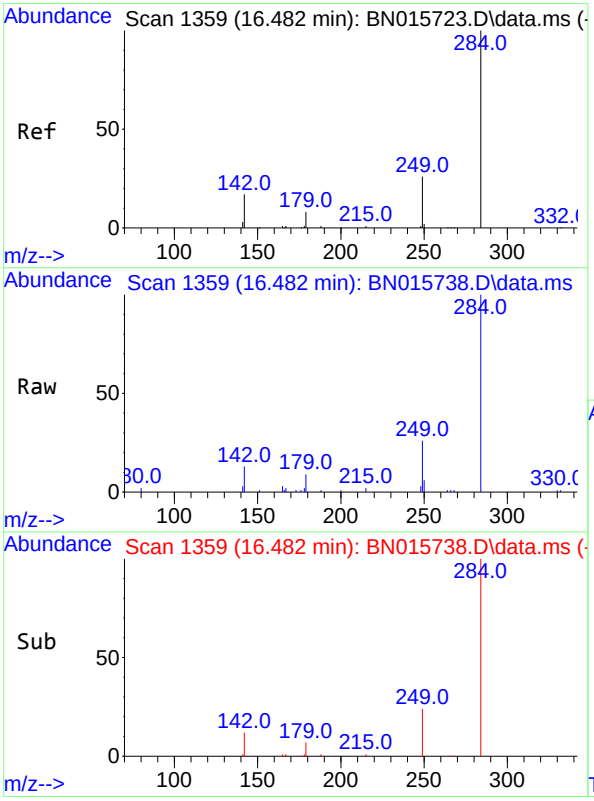
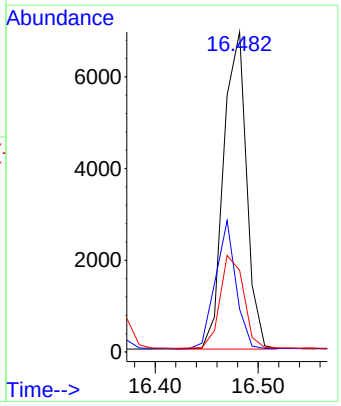
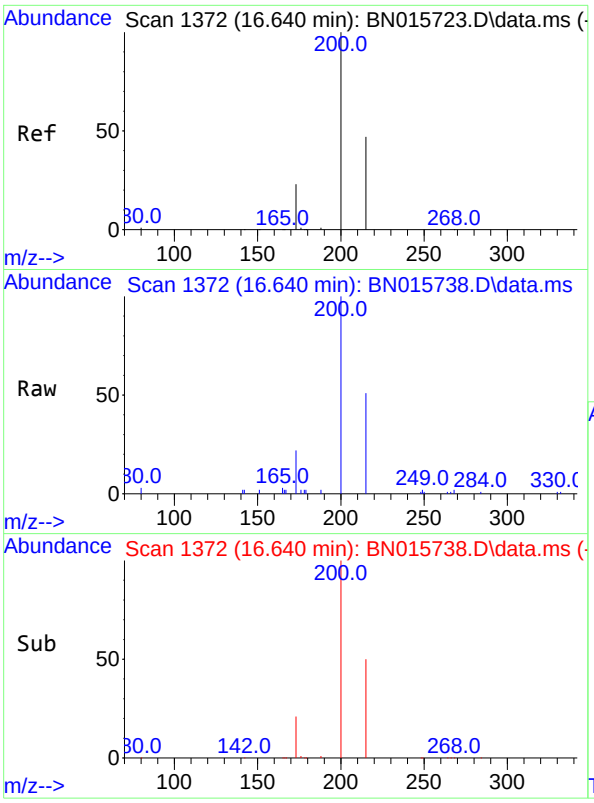


#22
Hexachlorobenzene
Concen: 0.093 ng
RT: 16.482 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:284 Resp: 10702

Ion	Ratio	Lower	Upper
284	100		
142	35.9	29.4	44.0
249	30.0	23.8	35.6

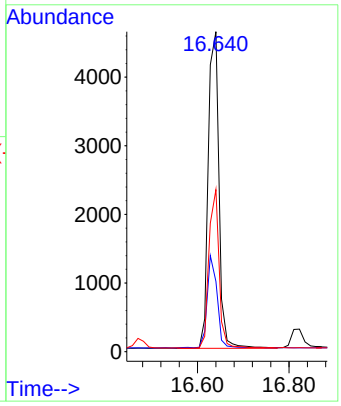


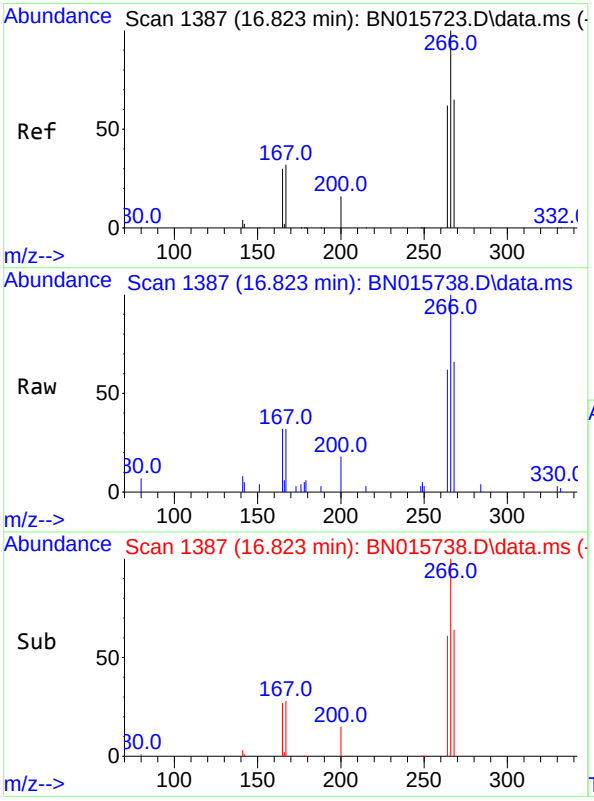


#23
Atrazine
Concen: 0.094 ng
RT: 16.640 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:200 Resp: 7486

Ion	Ratio	Lower	Upper
200	100		
173	22.0	18.9	28.3
215	50.6	38.1	57.1

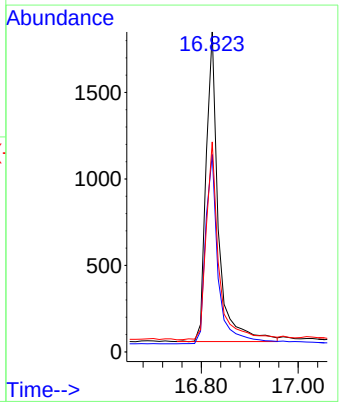




#24
Pentachlorophenol
Concen: 0.074 ng
RT: 16.823 min Scan# 1387
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:266 Resp: 3187

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.2	75.2
268	64.7	51.1	76.7



Instrument :
BNA_N
ClientSampleId :
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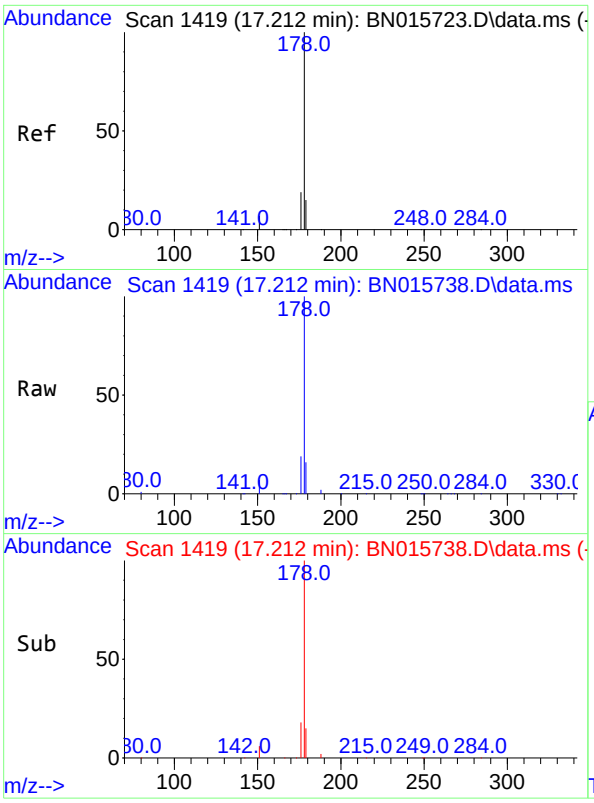
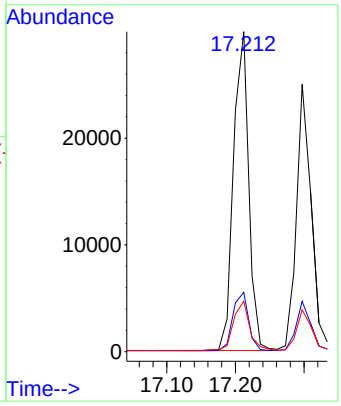
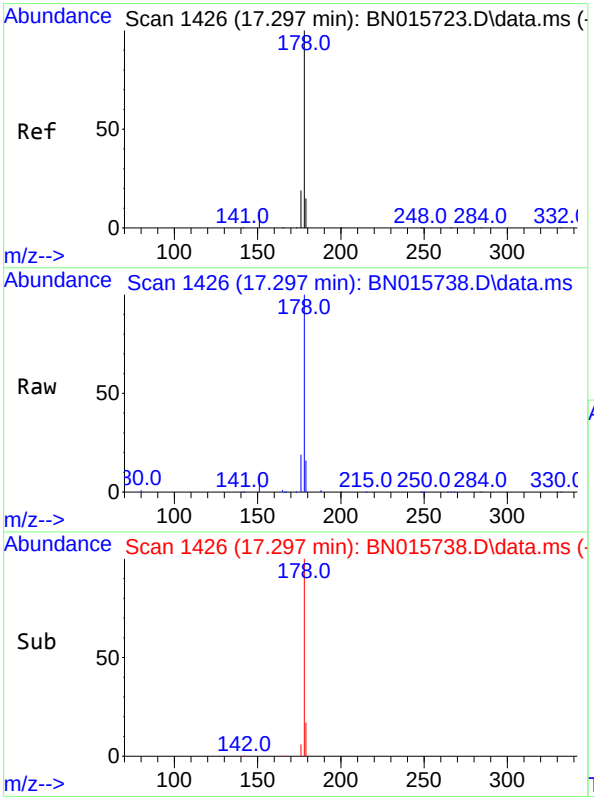


#25
Phenanthrene
Concen: 0.091 ng
RT: 17.212 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:178 Resp: 46325

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	16.3	12.4	18.6

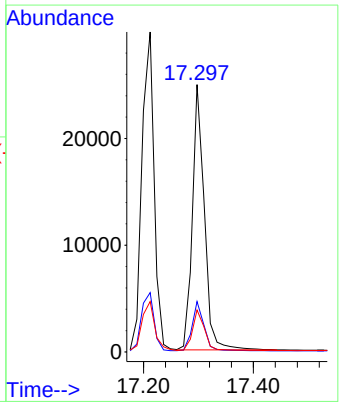




#26
Anthracene
Concen: 0.082 ng
RT: 17.297 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:178 Resp: 37705

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.2	12.2	18.4



Instrument :
BNA_N
ClientSampleId :
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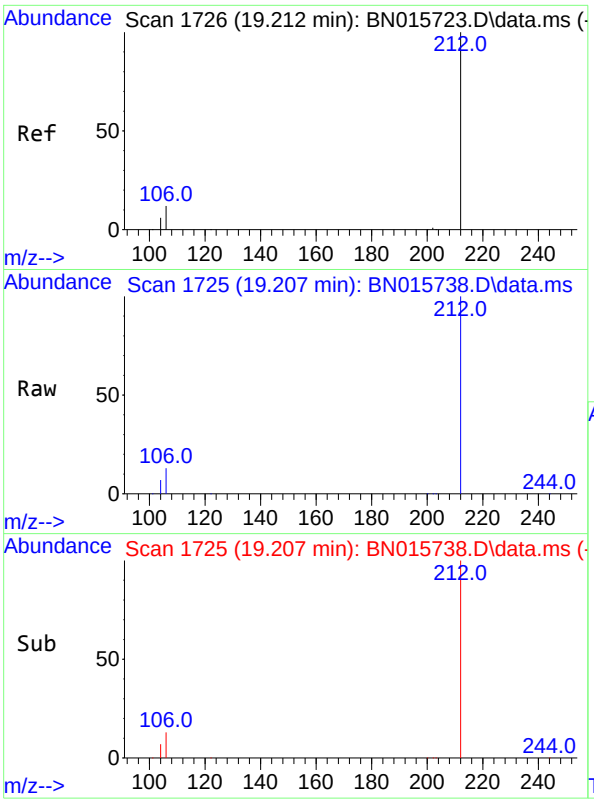
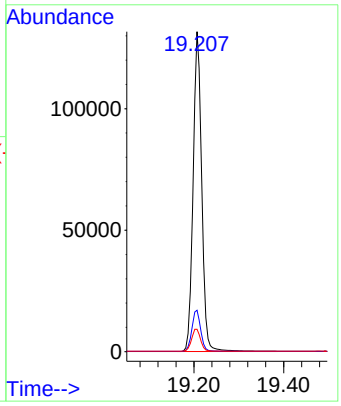
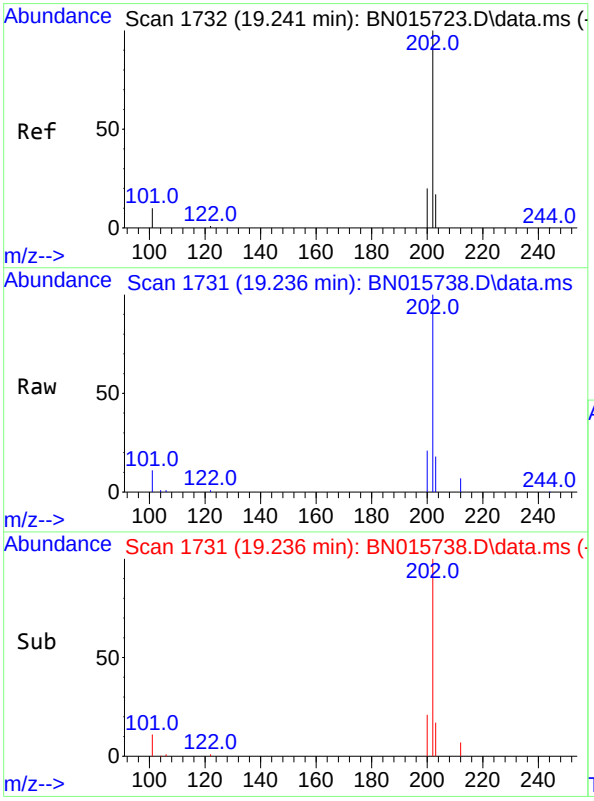


#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.207 min Scan# 1725
Delta R.T. -0.005 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:212 Resp: 176446

Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.6	16.0
104	7.3	5.9	8.9

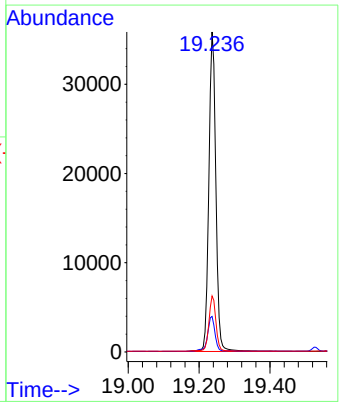




#28
Fluoranthene
Concen: 0.089 ng
RT: 19.236 min Scan# 1731
Delta R.T. -0.005 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:202 Resp: 48912

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.0	13.6
203	17.3	13.8	20.8



Instrument :
BNA_N
ClientSampleId :
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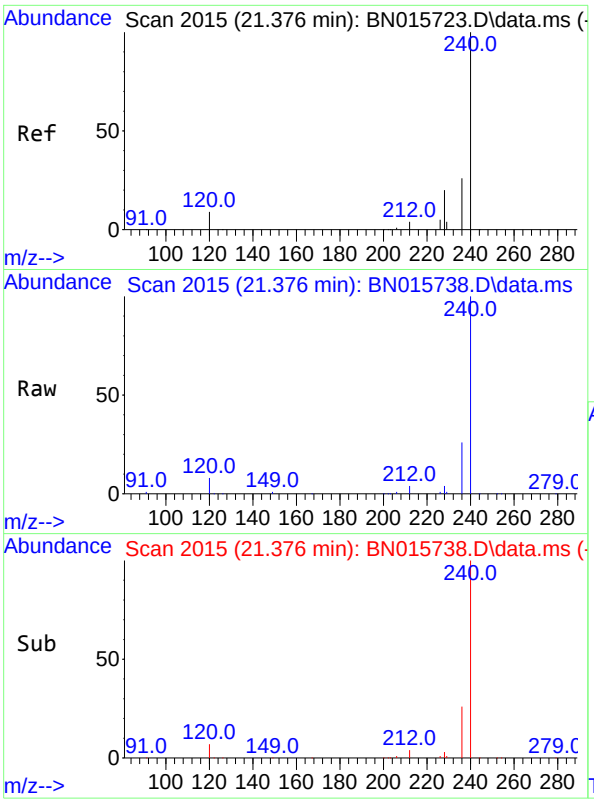
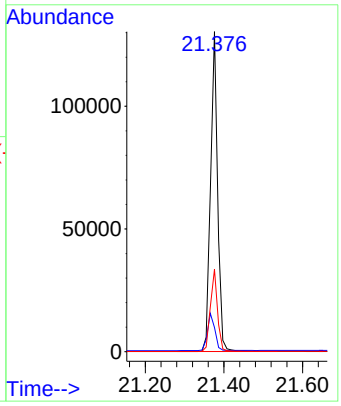


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.376 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:240 Resp: 162821

Ion	Ratio	Lower	Upper
240	100		
120	7.6	7.4	11.0
236	25.7	20.9	31.3



Instrument :
BNA_N
ClientSampleId :
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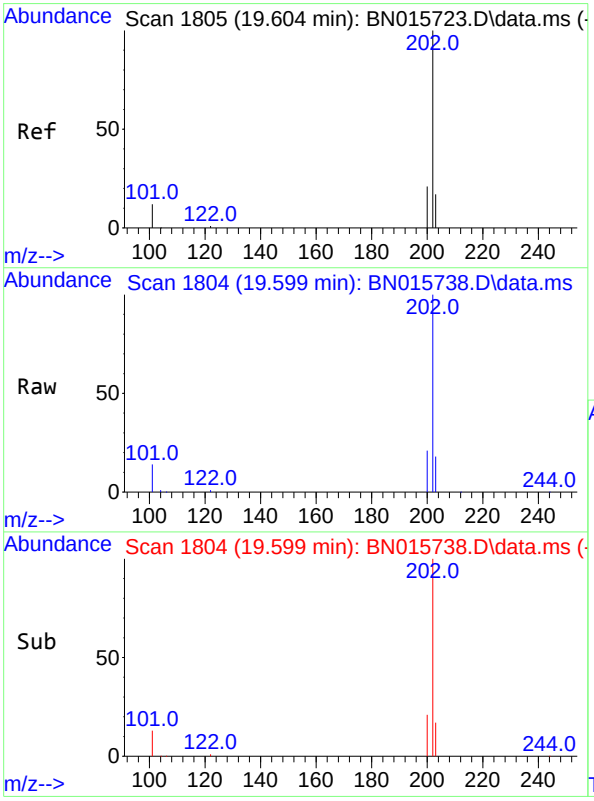
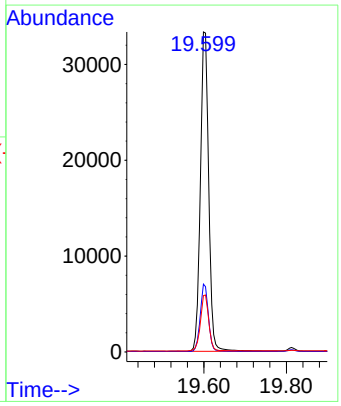
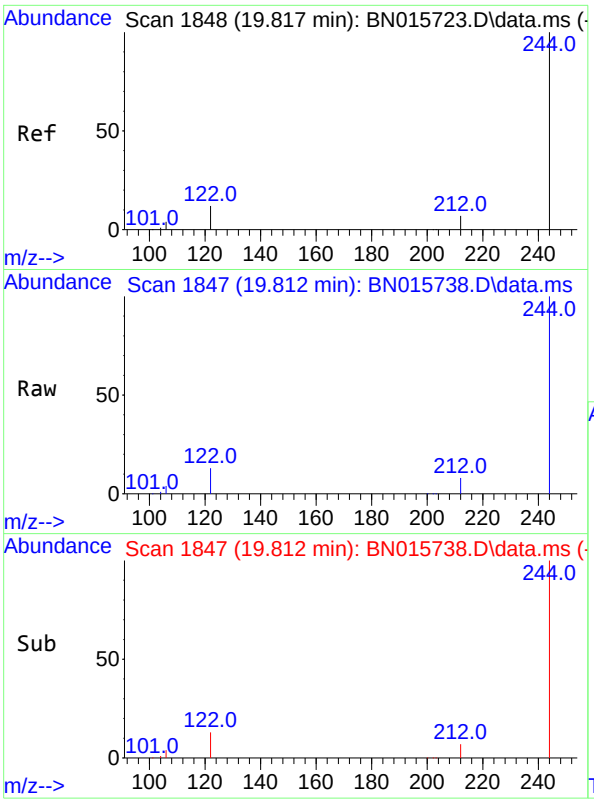


#30
Pyrene
Concen: 0.086 ng
RT: 19.599 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:202 Resp: 46646

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.6	14.0	21.0

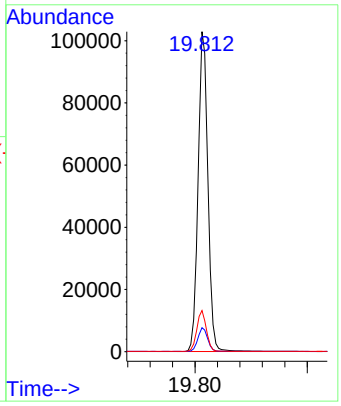




#31
Terphenyl-d14
Concen: 0.313 ng
RT: 19.812 min Scan# 1847
Delta R.T. -0.005 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:244 Resp: 123852

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	12.8	9.6	14.4



Instrument :
BNA_N
ClientSampleId :
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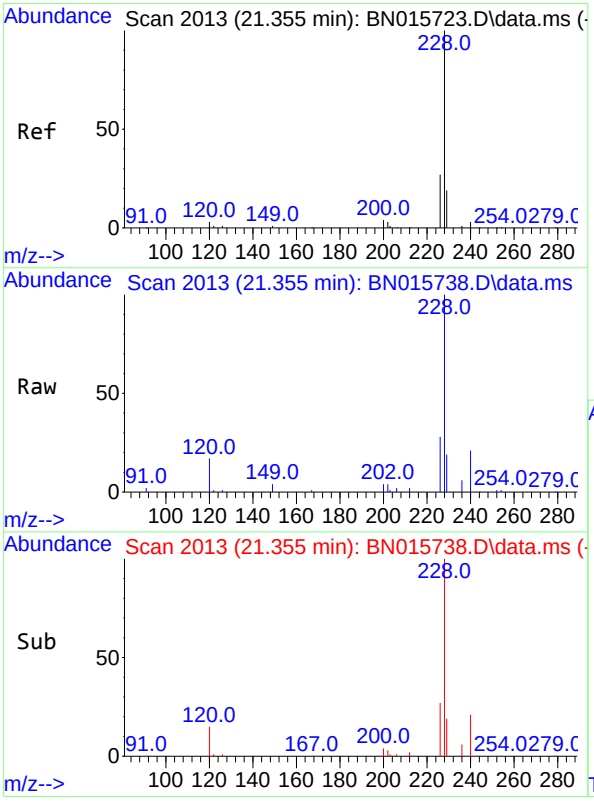
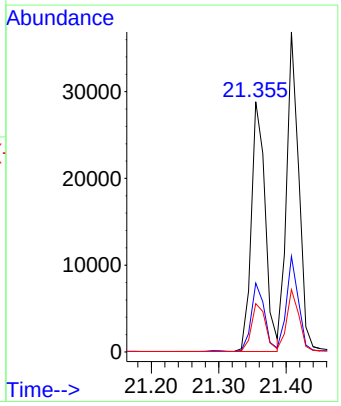
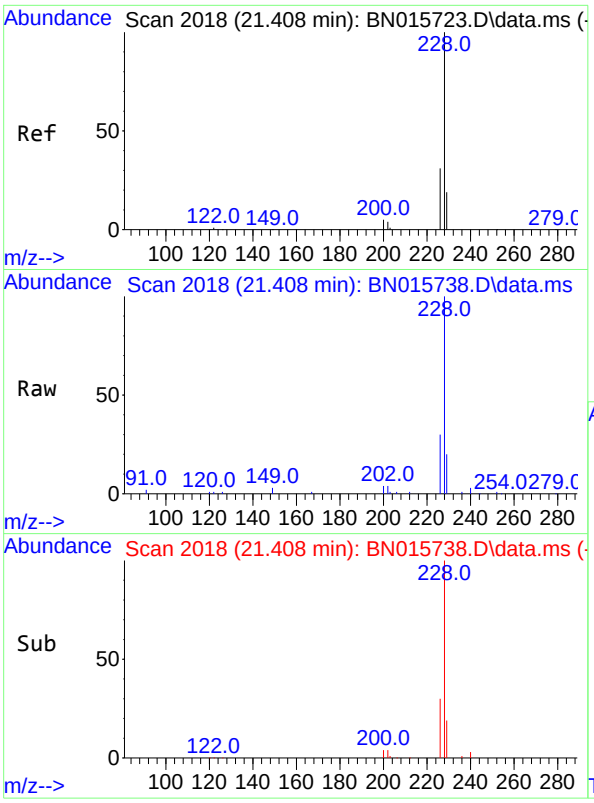


#32
Benzo(a)anthracene
Concen: 0.080 ng
RT: 21.355 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:228 Resp: 41383

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	19.3	15.4	23.0

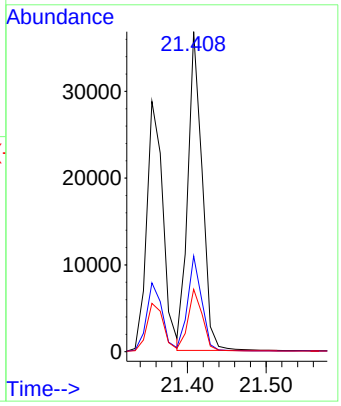


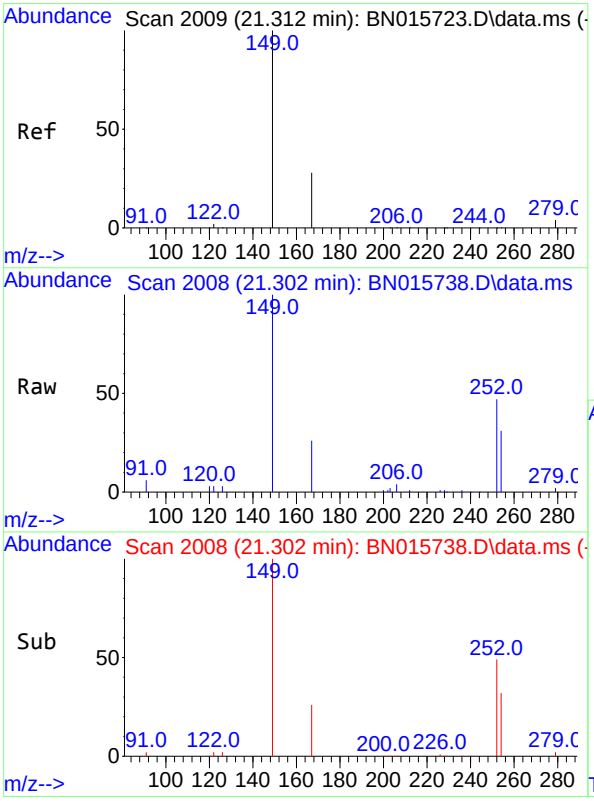


#33
Chrysene
Concen: 0.088 ng
RT: 21.408 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:228 Resp: 46224

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.5	15.3	22.9

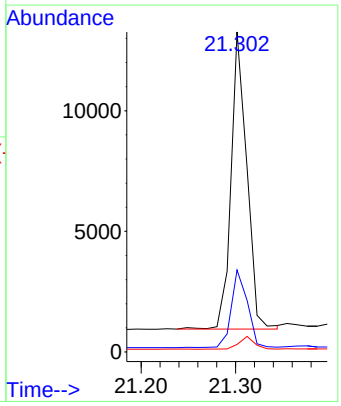




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.052 ng
RT: 21.302 min Scan# 2008
Delta R.T. -0.010 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:149 Resp: 14285

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.5	32.3
279	4.1	3.2	4.8



Instrument :
BNA_N
ClientSampleId :
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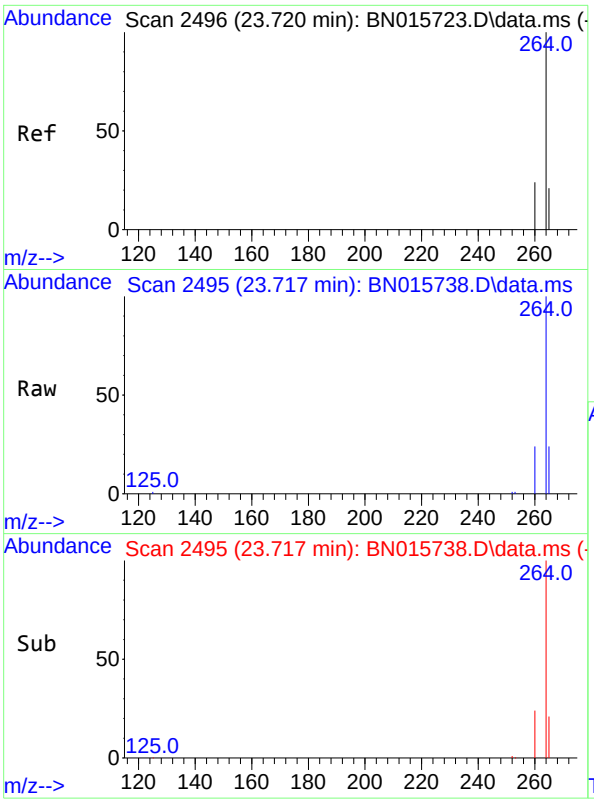
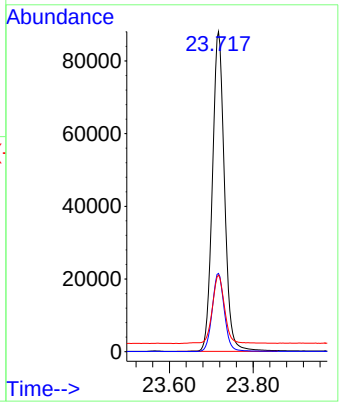
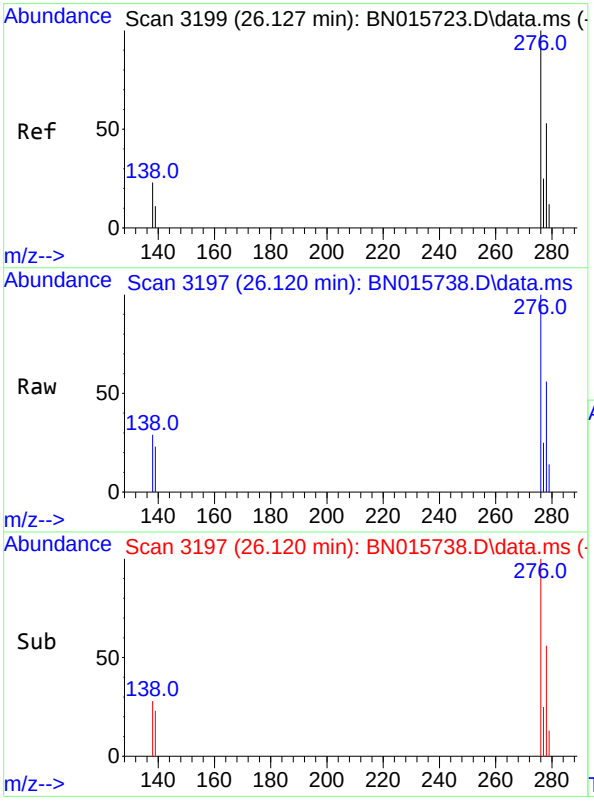


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.717 min Scan# 2495
Delta R.T. -0.003 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:264 Resp: 176214

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	24.0	19.9	29.9

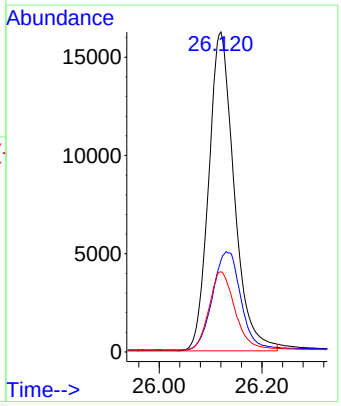




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.088 ng
RT: 26.120 min Scan# 3197
Delta R.T. -0.007 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:276 Resp: 55741

Ion	Ratio	Lower	Upper
276	100		
138	34.2	20.6	30.8#
277	25.3	20.1	30.1



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2021

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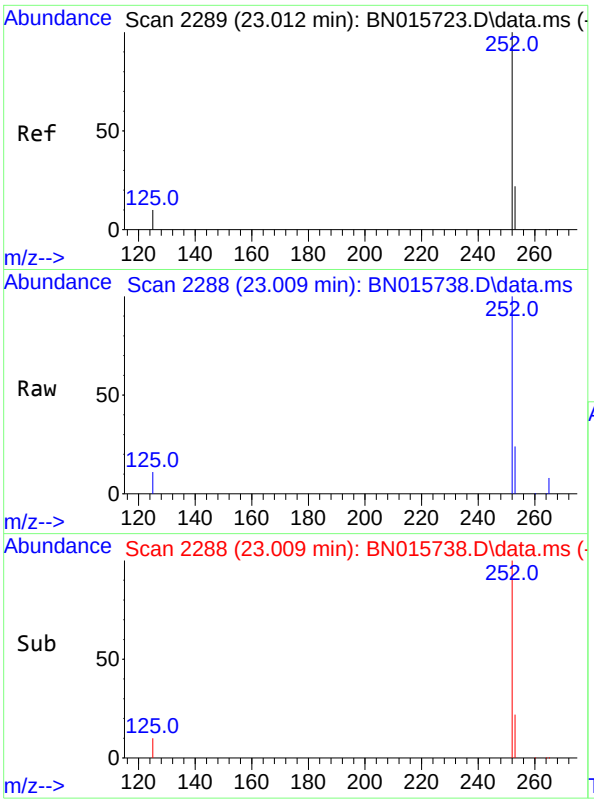
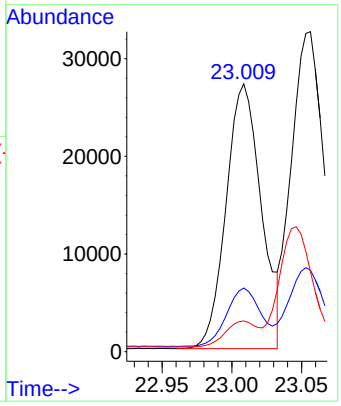


#37
Benzo(b)fluoranthene
Concen: 0.084 ng
RT: 23.009 min Scan# 2288
Delta R.T. -0.003 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:252 Resp: 47560

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	11.5	8.3	12.5



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2021

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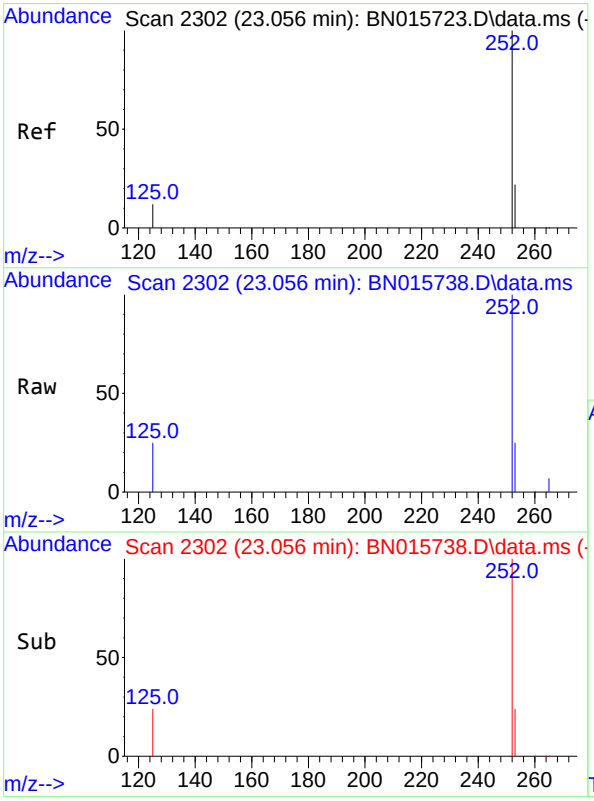
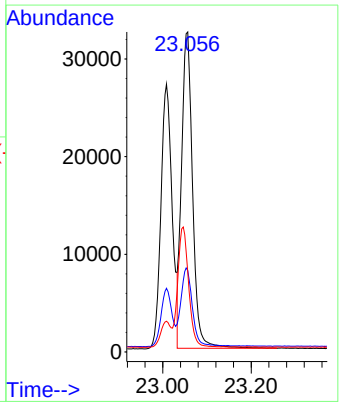
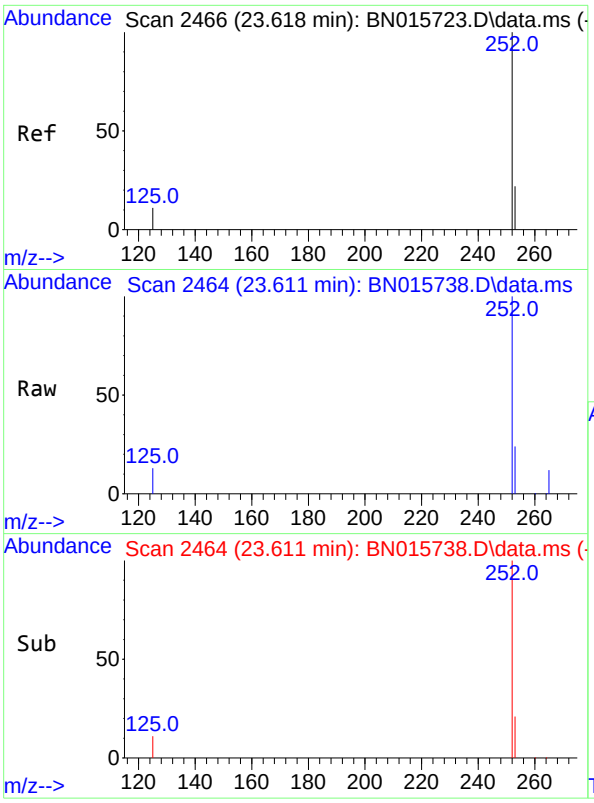


#38
Benzo(k)fluoranthene
Concen: 0.092 ng m
RT: 23.056 min Scan# 2302
Delta R.T. -0.000 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:252 Resp: 56175

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	25.0	10.4	15.6#

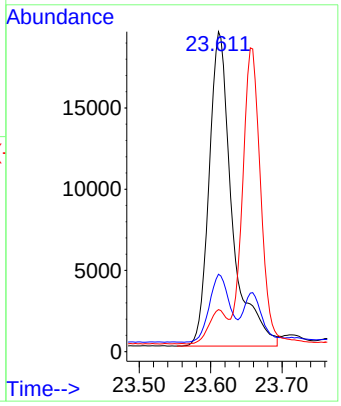




#39
Benzo(a)pyrene
Concen: 0.084 ng
RT: 23.611 min Scan# 2464
Delta R.T. -0.007 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:252 Resp: 43226

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	13.2	9.2	13.8



Instrument :
BNA_N
ClientSampleId :
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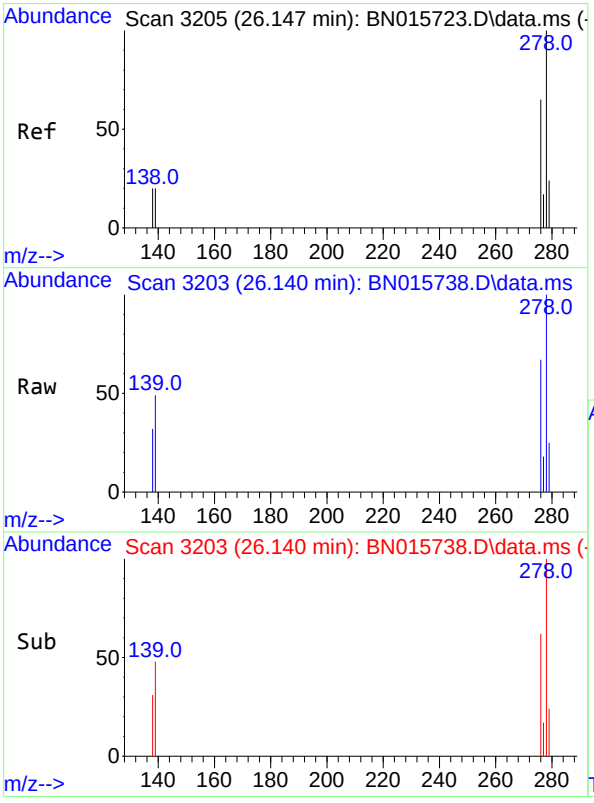
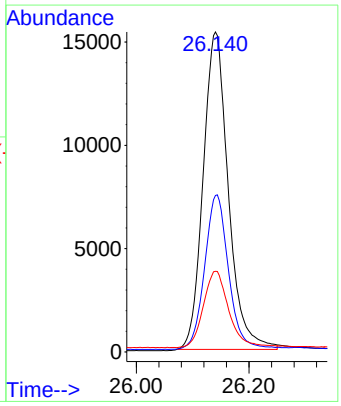
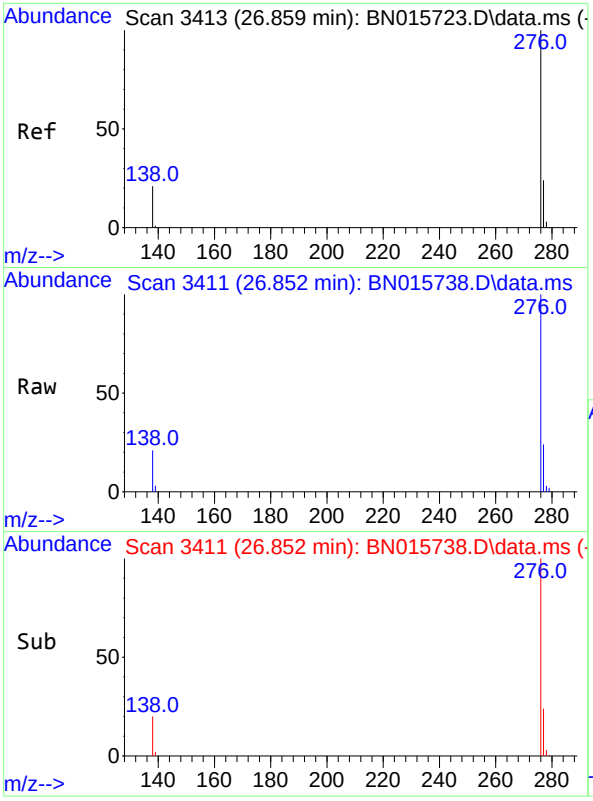


#40
Dibenzo(a,h)anthracene
Concen: 0.089 ng
RT: 26.140 min Scan# 3203
Delta R.T. -0.007 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:278 Resp: 47750

Ion	Ratio	Lower	Upper
278	100		
139	48.9	16.0	24.0#
279	25.2	19.2	28.8

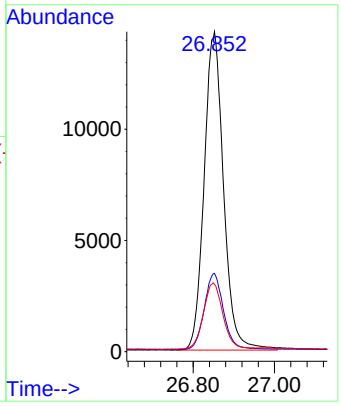




#41
Benzo(g,h,i)perylene
Concen: 0.086 ng
RT: 26.852 min Scan# 3411
Delta R.T. -0.007 min
Lab File: BN015738.D
Acq: 31 Jul 2021 16:51

Tgt Ion:276 Resp: 47420

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	21.1	16.8	25.2



Instrument :
BNA_N
ClientSampleId :
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