Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121321\
Data File : BN017974.D
Acq On : 13 Dec 2021 17:09
Operator : CG/JU
Sample : M4956-13MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Dec 14 03:41:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 00:01:30 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	24913	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	108976	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	71149	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	145527	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	127499	0.400	ng	#-0.01
35) Perylene-d12	23.579	264	108317	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	8416	0.164	ng	0.00
5) Phenol-d6	6.903	99	5796	0.114	ng	0.00
8) Nitrobenzene-d5	8.846	82	25064	0.352	ng	-0.01
11) 2-Methylnaphthalene-d10	12.081	152	59053	0.308	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	15482	0.731	ng	-0.01
15) 2-Fluorobiphenyl	12.964	172	92777	0.371	ng	0.00
27) Fluoranthene-d10	19.124	212	171230	0.363	ng	0.00
31) Terphenyl-d14	19.730	244	140885	0.448	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.280	88	3884	0.514	ng	# 68
3) n-Nitrosodimethylamine	3.602	42	5733	0.251	ng	# 78
6) bis(2-Chloroethyl)ether	7.143	93	24610	0.394	ng	98
9) Naphthalene	10.532	128	96646	0.357	ng	99
10) Hexachlorobutadiene	10.836	225	23672	0.307	ng	# 100
12) 2-Methylnaphthalene	12.156	142	73309	0.407	ng	99
16) Acenaphthylene	14.055	152	120812	0.455	ng	# 94
17) Acenaphthene	14.398	154	73278	0.397	ng	99
18) Fluorene	15.388	166	103800	0.462	ng	99
20) 4,6-Dinitro-2-methylph...	15.476	198	1706	1.667	ng	# 57
21) 4-Bromophenyl-phenylether	16.277	248	40668	0.488	ng	# 91
22) Hexachlorobenzene	16.399	284	44078	0.405	ng	98
23) Atrazine	16.557	200	37934	0.621	ng	# 92
24) Pentachlorophenol	16.752	266	39751	3.130	ng	98
25) Phenanthrene	17.129	178	189381	0.509	ng	98
26) Anthracene	17.214	178	160296	0.517	ng	100
28) Fluoranthene	19.154	202	224193	0.490	ng	100
30) Pyrene	19.516	202	227293	0.455	ng	99
32) Benzo(a)anthracene	21.272	228	183544	0.499	ng	97
33) Chrysene	21.325	228	186667	0.446	ng	98
34) Bis(2-ethylhexyl)phtha...	21.208	149	145137	1.060	ng	98
36) Indeno(1,2,3-cd)pyrene	25.937	276	119358	0.611	ng	99
37) Benzo(b)fluoranthene	22.884	252	169696	0.474	ng	98
38) Benzo(k)fluoranthene	22.932	252	161515	0.463	ng	# 97
39) Benzo(a)pyrene	23.476	252	145073	0.456	ng	# 95
40) Dibenzo(a,h)anthracene	25.951	278	92514	0.696	ng	99
41) Benzo(g,h,i)perylene	26.656	276	97304	0.565	ng	99

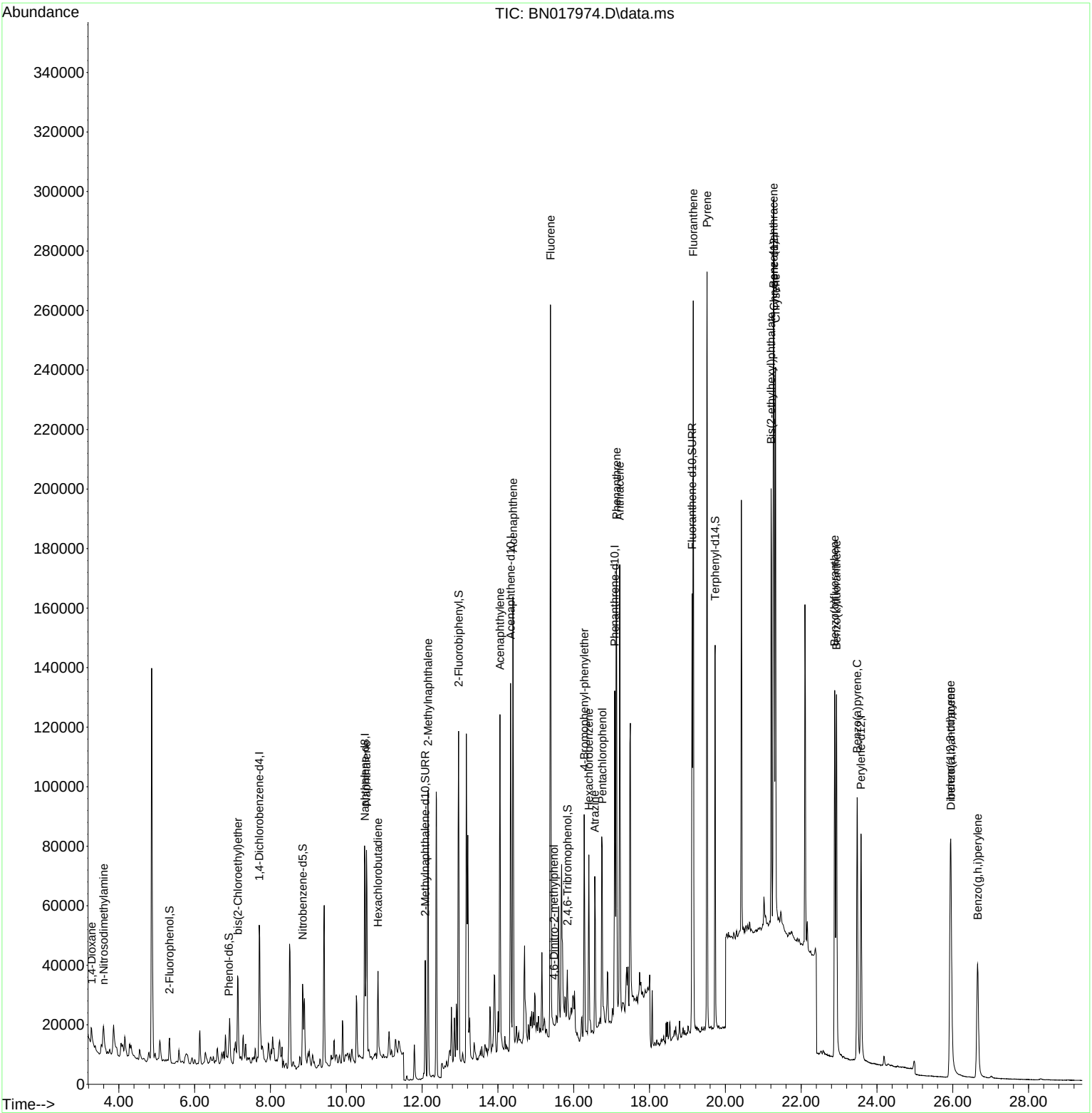
(#) = qualifier out of range (m) = manual integration (+) = signals summed

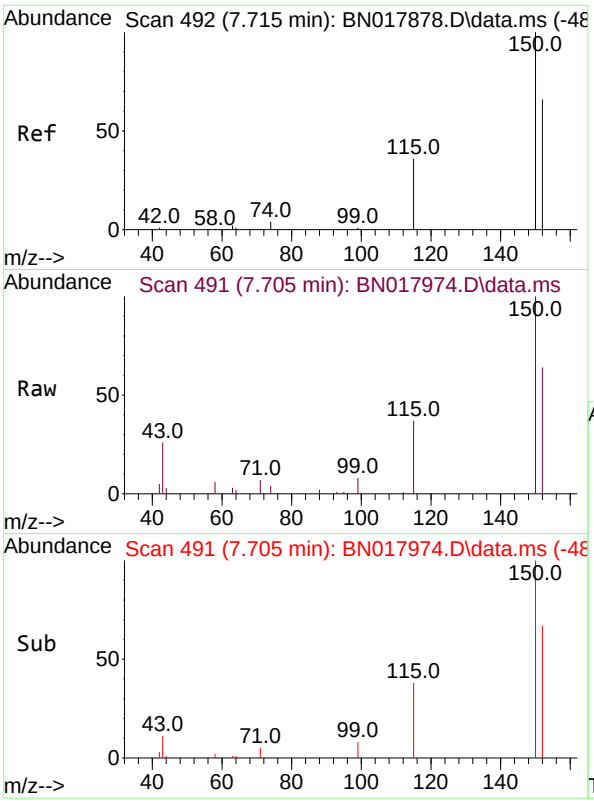
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121321\
Data File : BN017974.D
Acq On : 13 Dec 2021 17:09
Operator : CG/JU
Sample : M4956-13MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Dec 14 03:41:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 00:01:30 2021
Response via : Initial Calibration



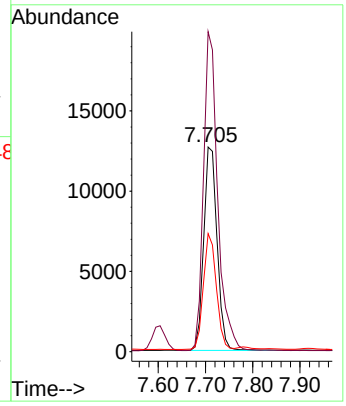


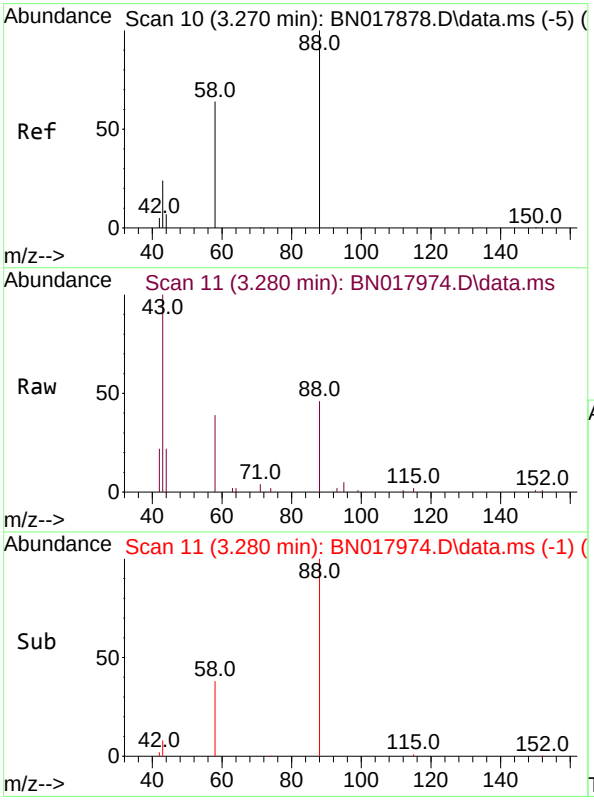
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 24913

Ion	Ratio	Lower	Upper
152	100		
150	156.3	121.9	182.9
115	57.7	44.1	66.1

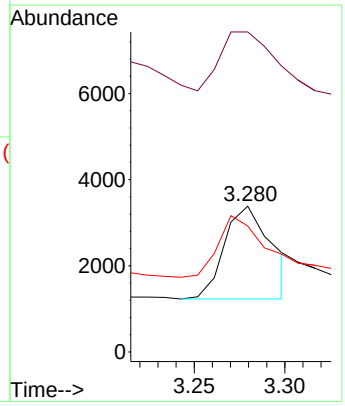


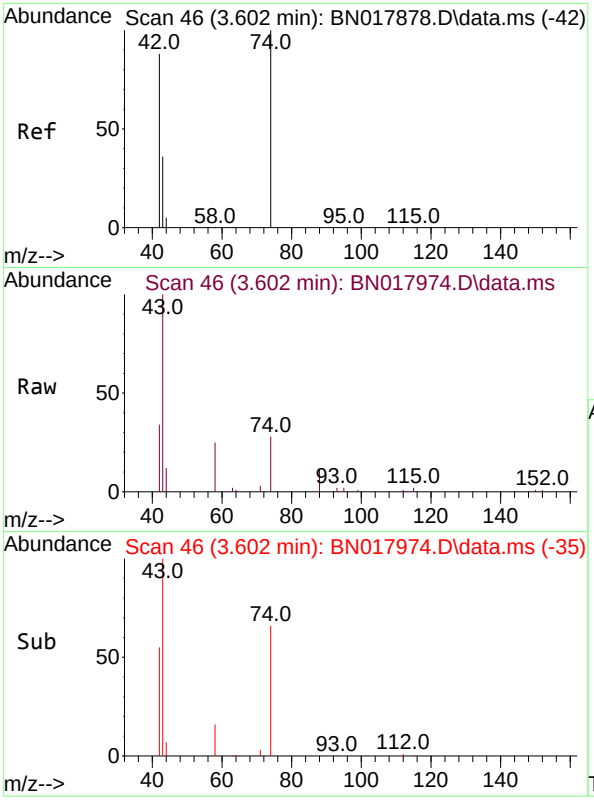


#2
1,4-Dioxane
Concen: 0.514 ng
RT: 3.280 min Scan# 11
Delta R.T. 0.009 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion: 88 Resp: 3884

Ion	Ratio	Lower	Upper
88	100		
43	68.9	28.0	42.0#
58	63.5	65.4	98.0#



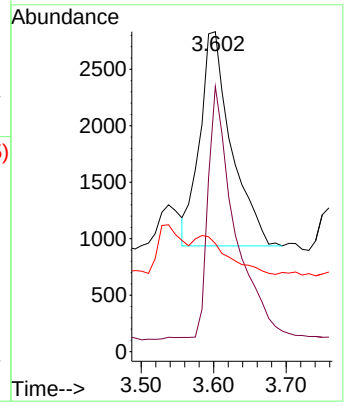


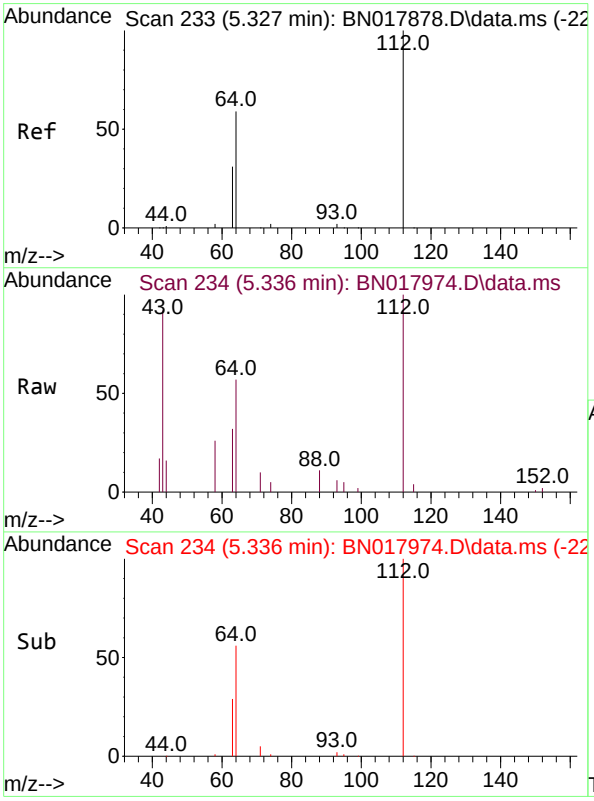
#3
n-Nitrosodimethylamine
Concen: 0.251 ng
RT: 3.602 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 5733

Ion	Ratio	Lower	Upper
42	100		
74	101.0	100.6	150.8
44	19.2	5.2	7.8#

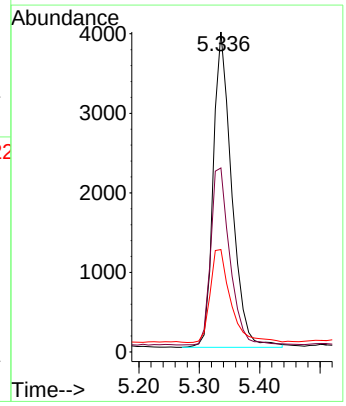


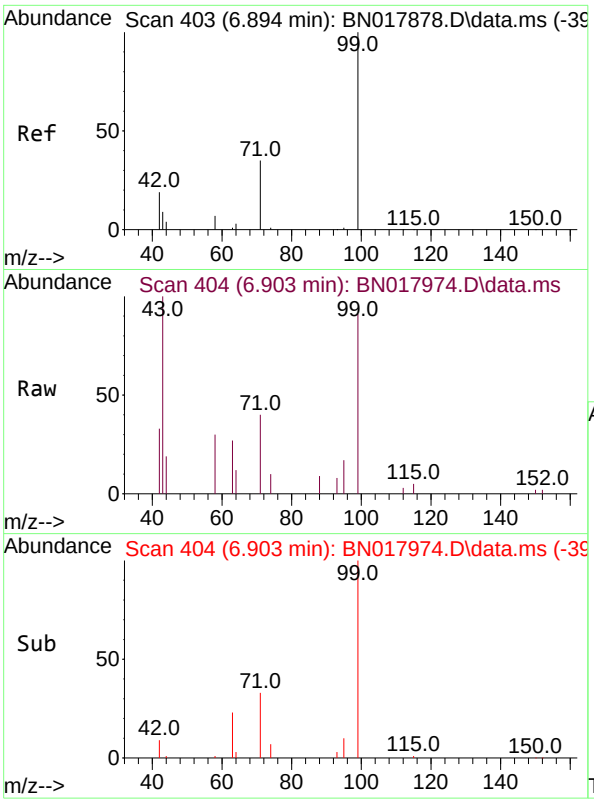


#4
2-Fluorophenol
Concen: 0.164 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:112 Resp: 8416

Ion	Ratio	Lower	Upper
112	100		
64	57.9	49.0	73.4
63	32.4	26.2	39.2



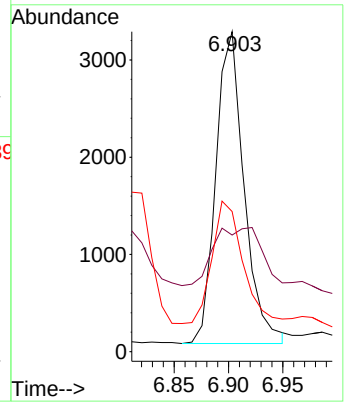


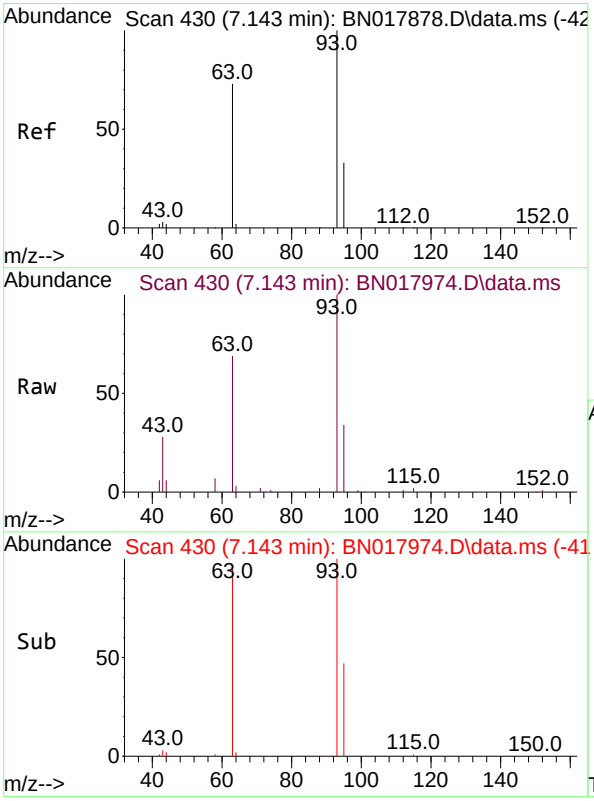
#5
Phenol-d6
Concen: 0.114 ng
RT: 6.903 min Scan# 4(
Delta R.T. 0.009 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 5796

Ion	Ratio	Lower	Upper
99	100		
42	0.0	17.0	25.4#
71	42.8	28.0	42.0#

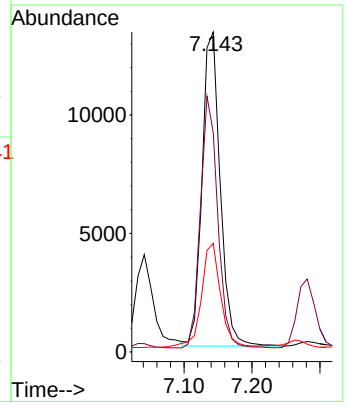


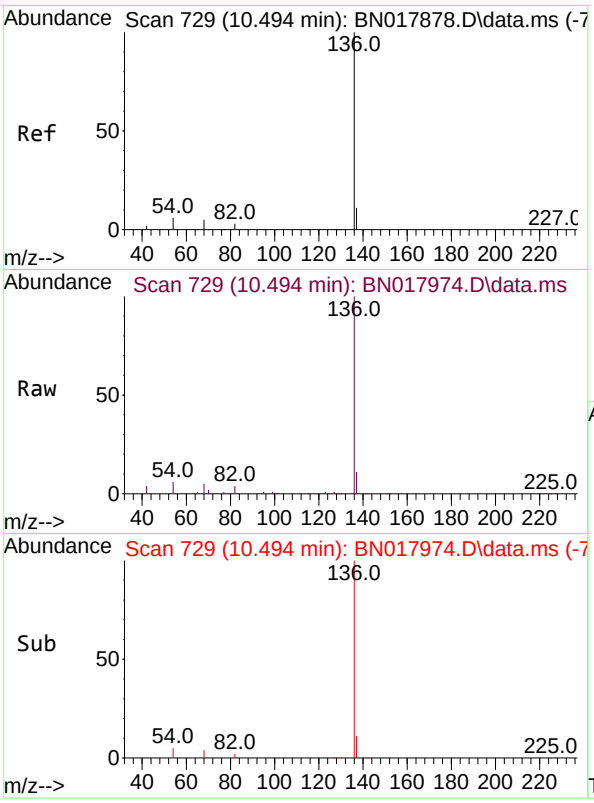


#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.143 min Scan# 430
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion: 93 Resp: 24610

Ion	Ratio	Lower	Upper
93	100		
63	76.1	62.0	93.0
95	35.1	26.2	39.4



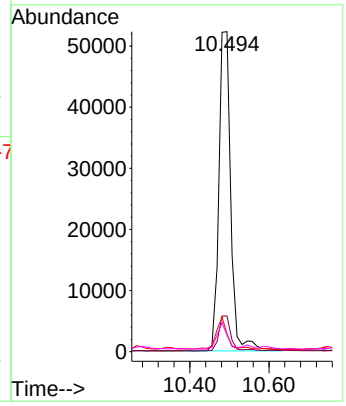


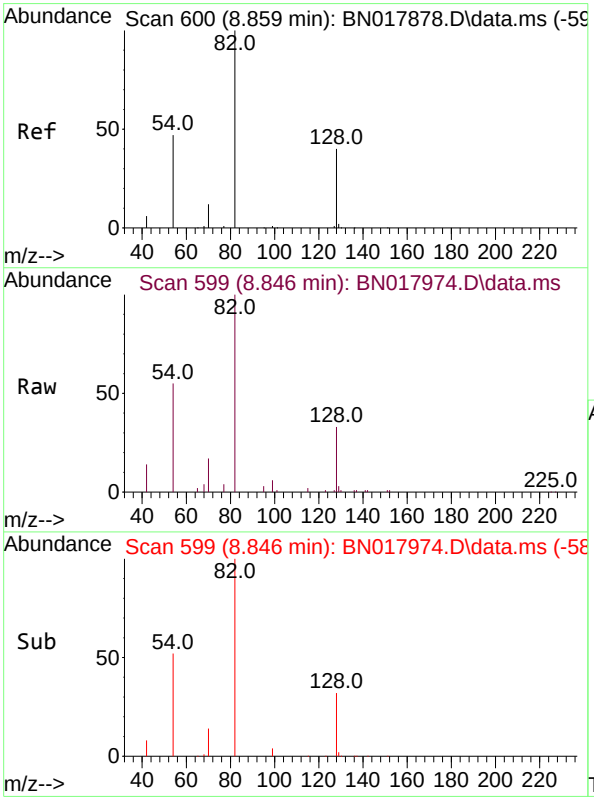
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 108976

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.5	5.1	7.7
68	5.2	4.4	6.6

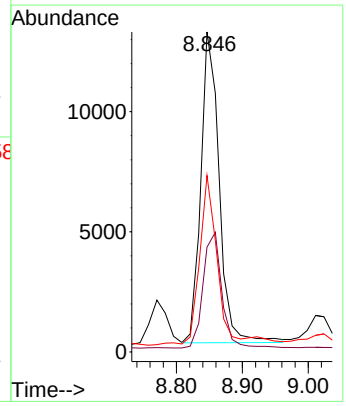


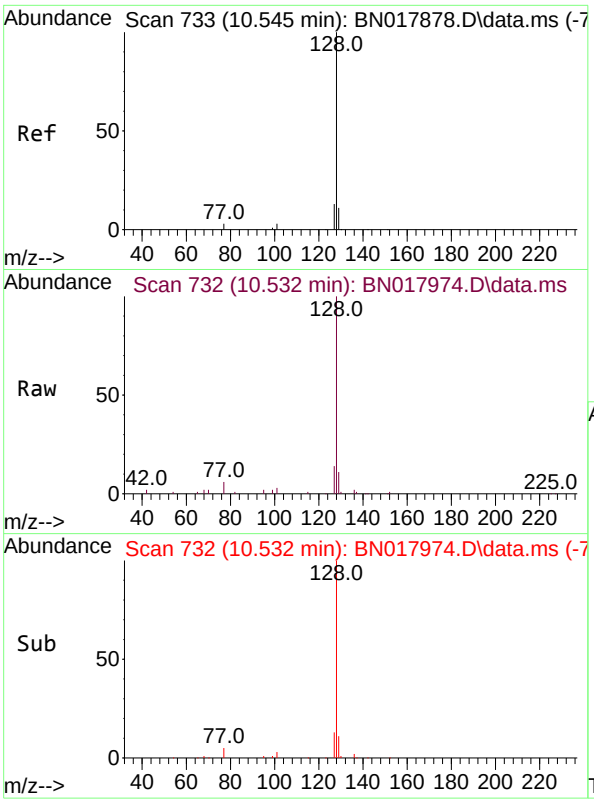


#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion: 82 Resp: 25064

Ion	Ratio	Lower	Upper
82	100		
128	32.7	32.2	48.4
54	55.1	37.6	56.4



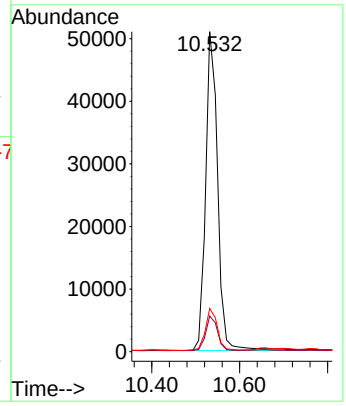


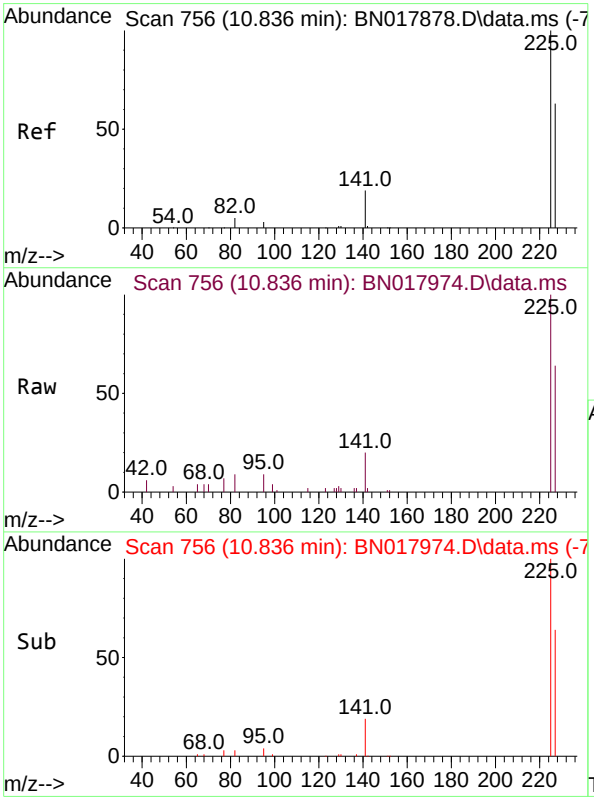
#9
Naphthalene
Concen: 0.357 ng
RT: 10.532 min Scan# 7
Delta R.T. -0.013 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 96646

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.5	10.5	15.7

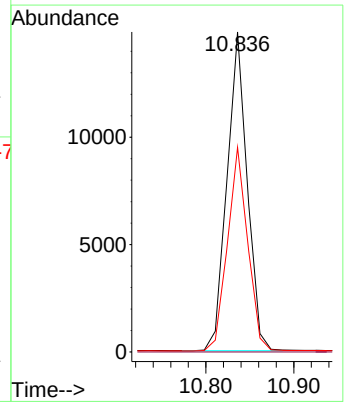


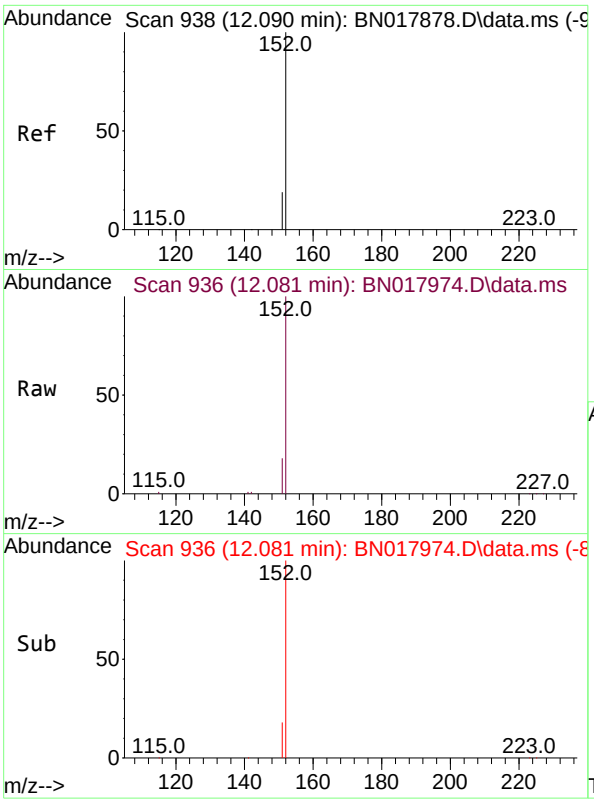


#10
Hexachlorobutadiene
Concen: 0.307 ng
RT: 10.836 min Scan# 756
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:225 Resp: 23672

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



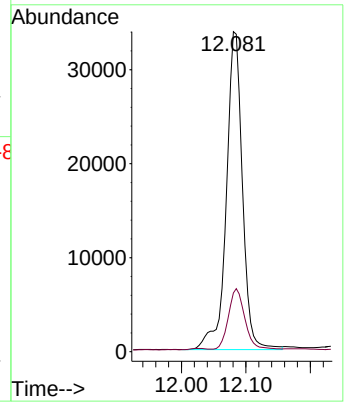


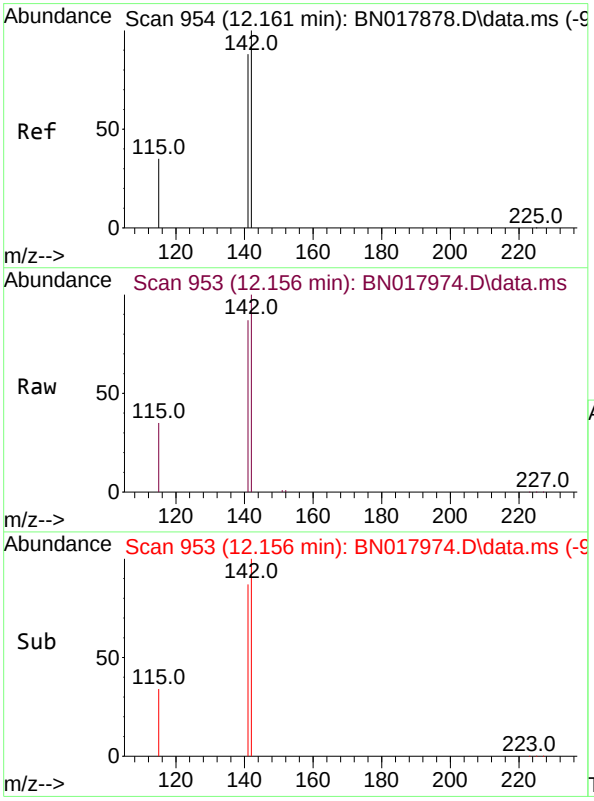
#11
2-Methylnaphthalene-d10
Concen: 0.308 ng
RT: 12.081 min Scan# 9
Delta R.T. -0.009 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 59053

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.4	24.6

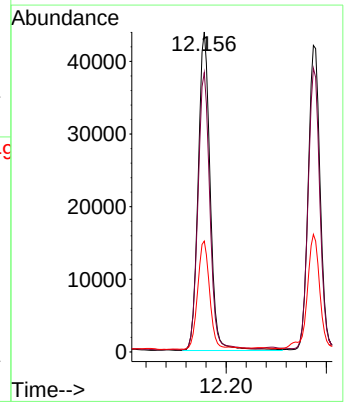


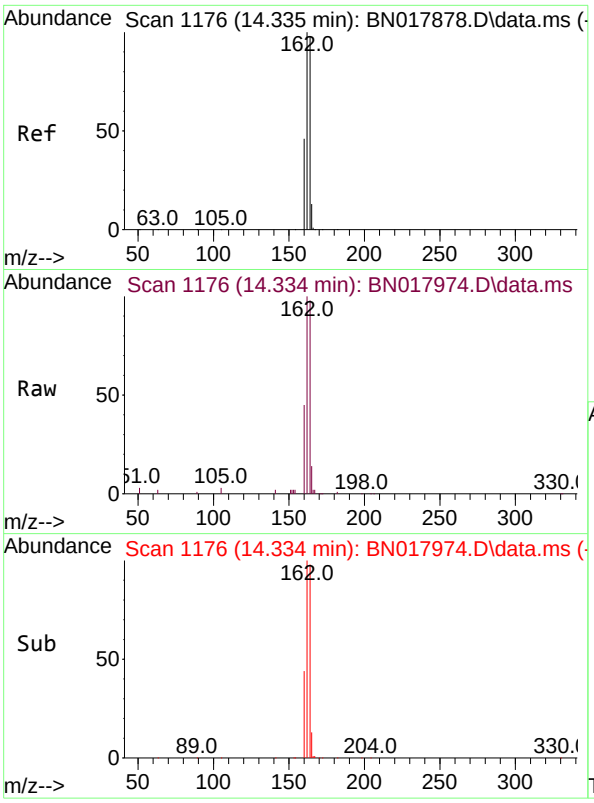


#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 12.156 min Scan# 953
Delta R.T. -0.005 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:142 Resp: 73309

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.6	105.8
115	34.7	27.8	41.6



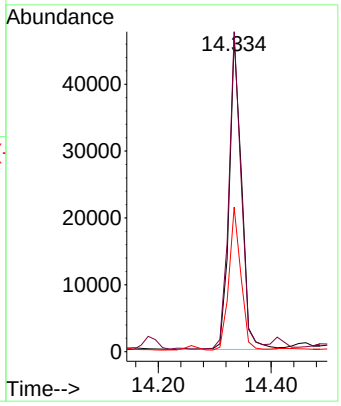


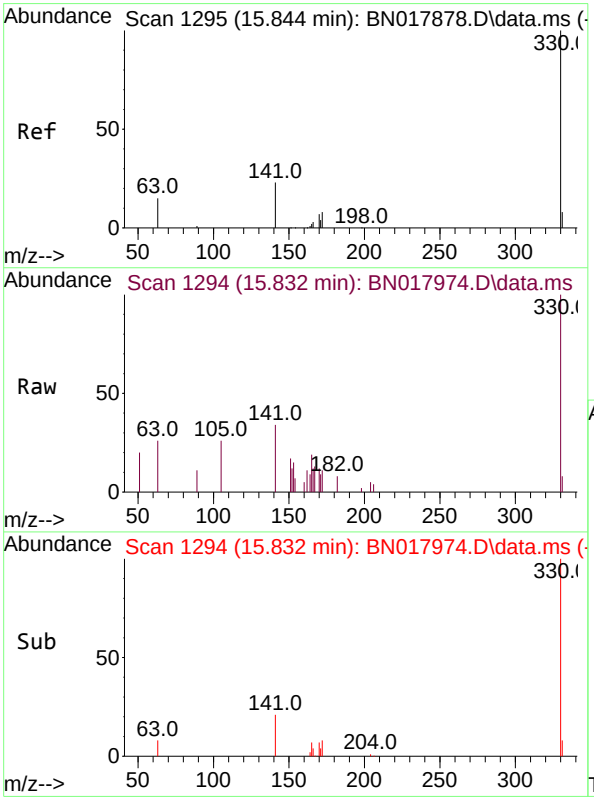
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 71149

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.1	123.1
160	46.1	38.2	57.2

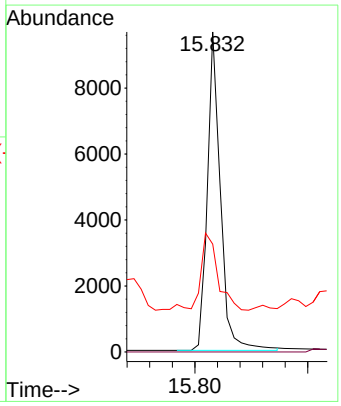


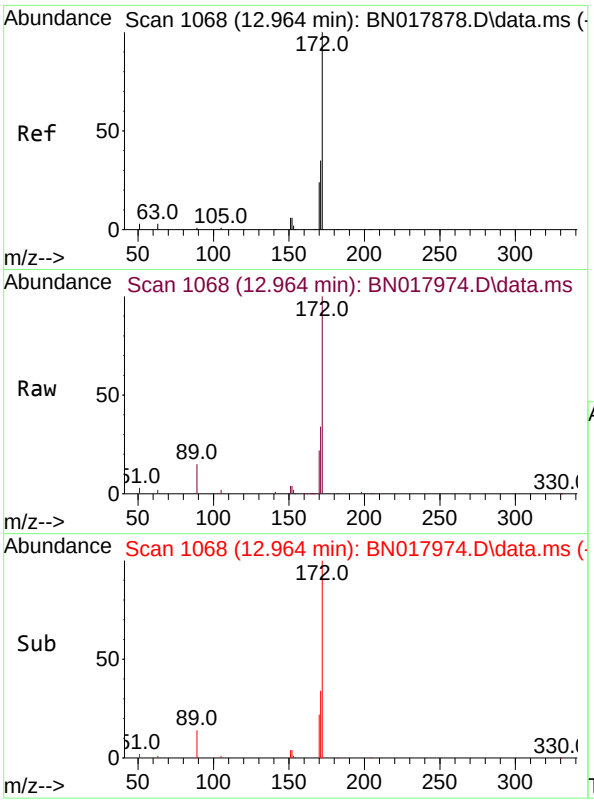


#14
2,4,6-Tribromophenol
Concen: 0.731 ng
RT: 15.832 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:330 Resp: 15482

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.7	19.7	29.5#



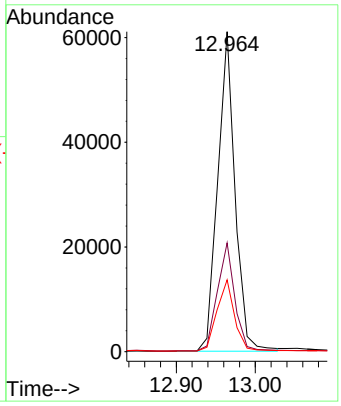


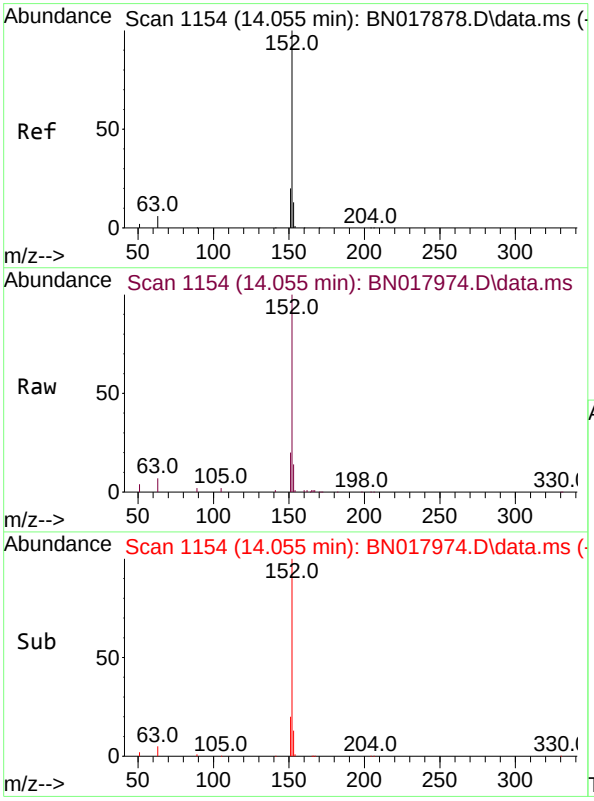
#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 12.964 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 92777

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.3	42.5
170	22.5	19.1	28.7

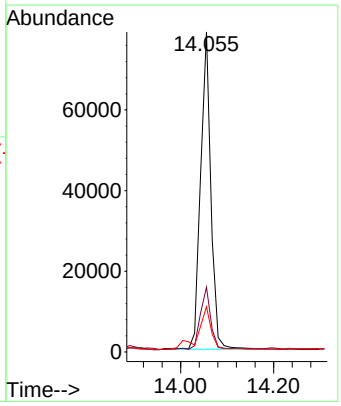


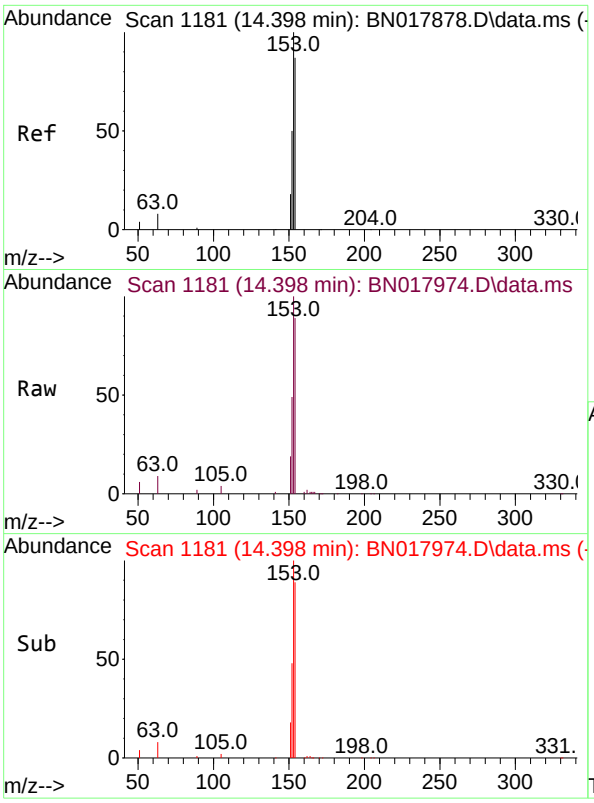


#16
Acenaphthylene
Concen: 0.455 ng
RT: 14.055 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:152 Resp: 120812

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.6	23.4
153	18.0	10.5	15.7#



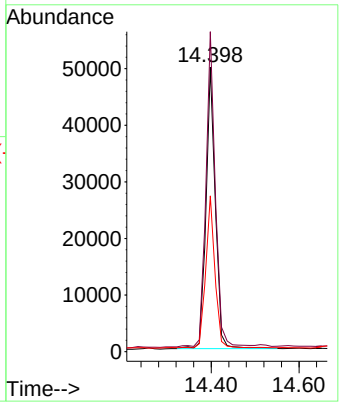


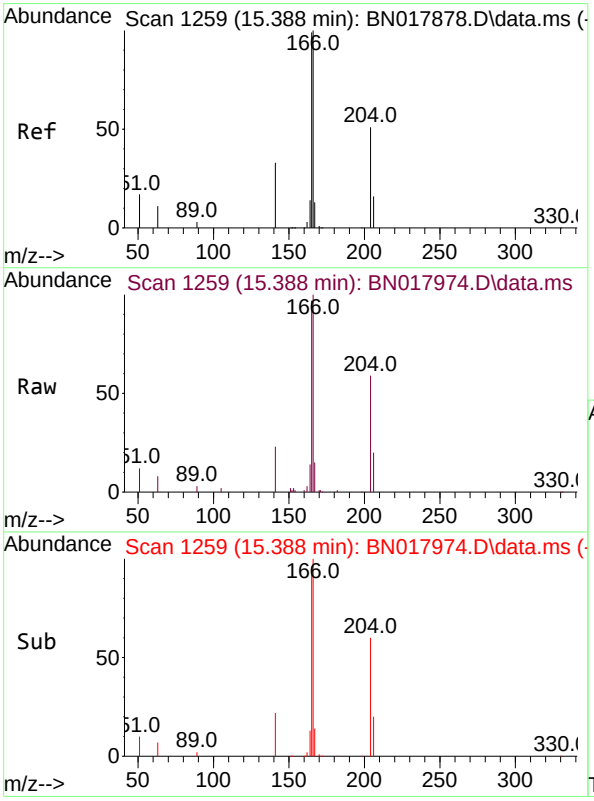
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 73278

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.8
152	53.1	44.2	66.2

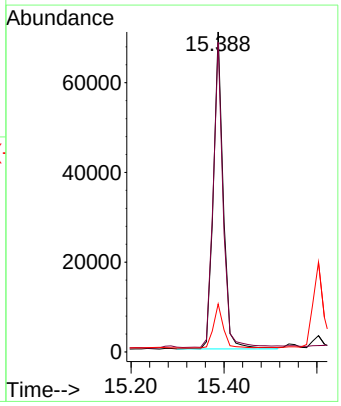


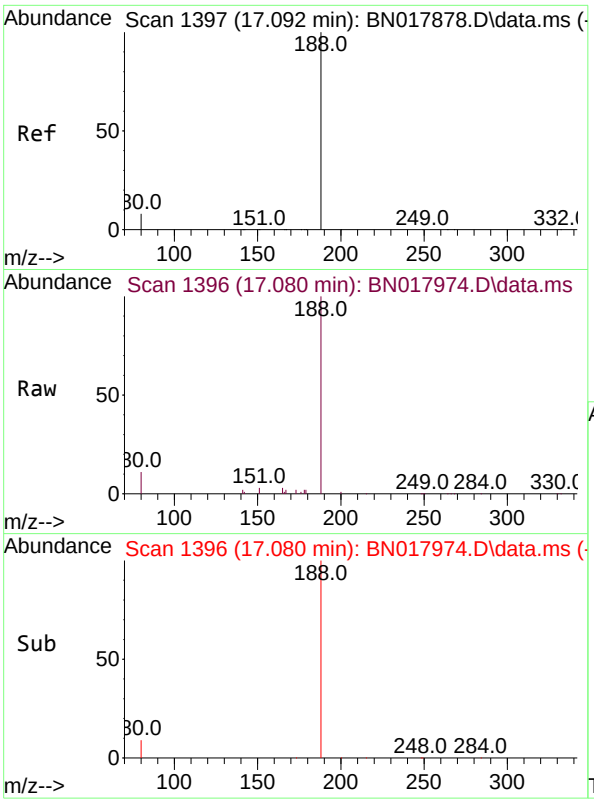


#18
Fluorene
Concen: 0.462 ng
RT: 15.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:166 Resp: 103800

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.5	116.3
167	14.1	10.8	16.2



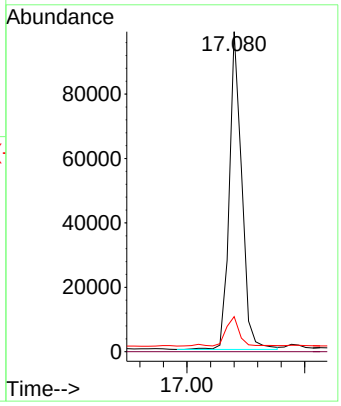


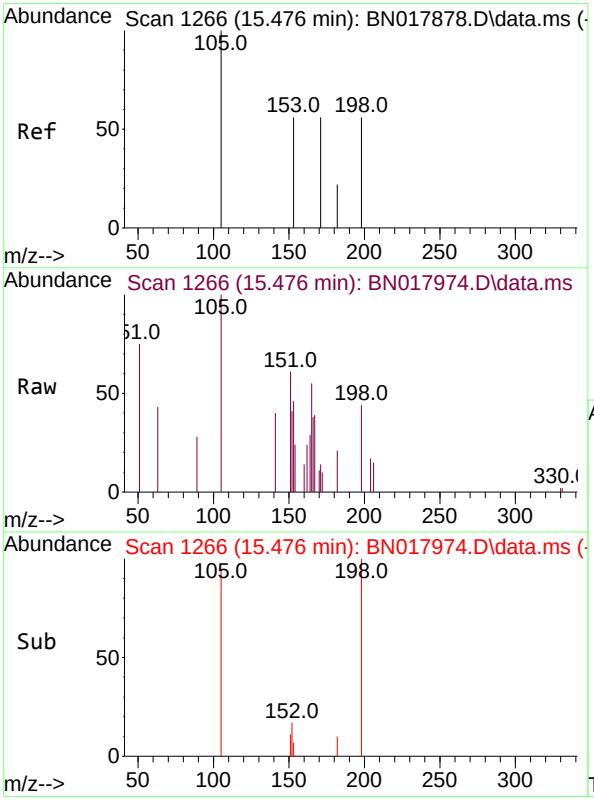
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 145527

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	6.2	9.2#

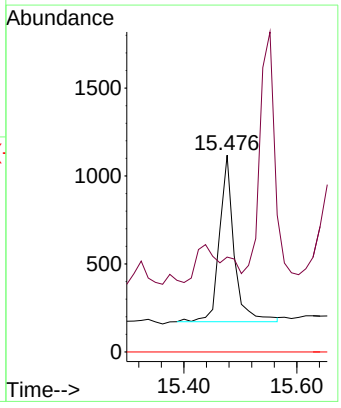


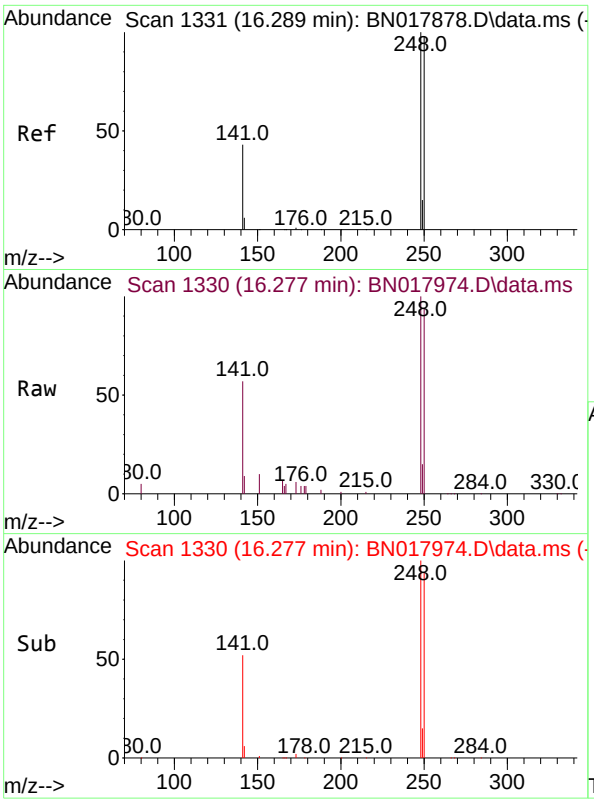


#20
4,6-Dinitro-2-methylphenol
Concen: 1.667 ng
RT: 15.476 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:198 Resp: 1706

Ion	Ratio	Lower	Upper
198	100		
182	48.2	70.8	106.2#
77	0.0	0.0	0.0



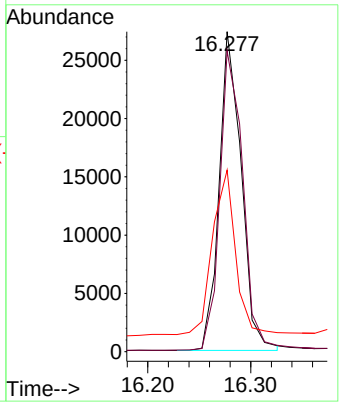


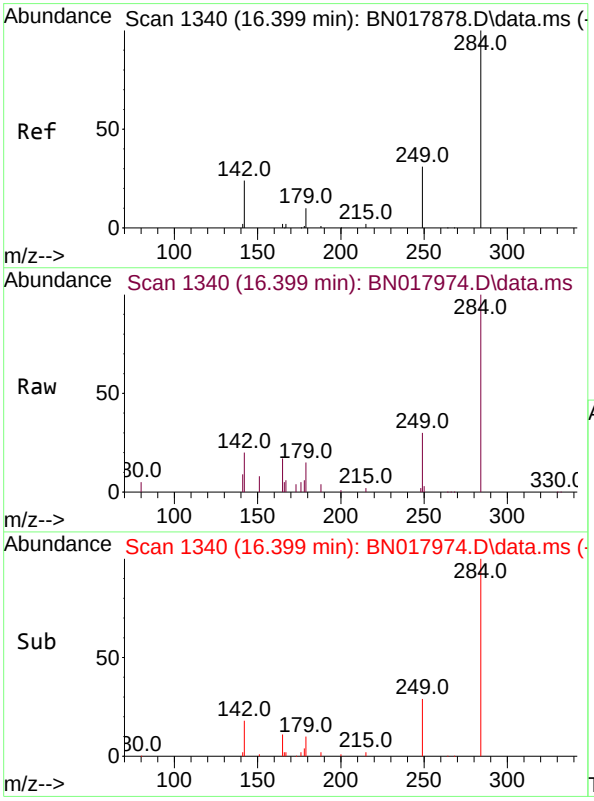
#21
4-Bromophenyl-phenylether
Concen: 0.488 ng
RT: 16.277 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 40668

Ion	Ratio	Lower	Upper
248	100		
250	94.0	78.6	117.8
141	56.7	34.6	51.8#

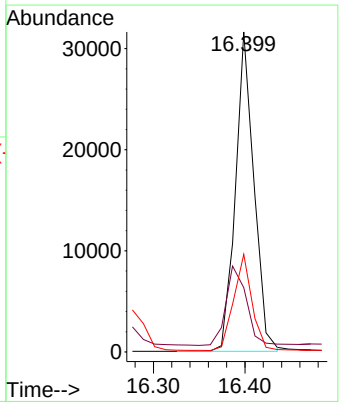


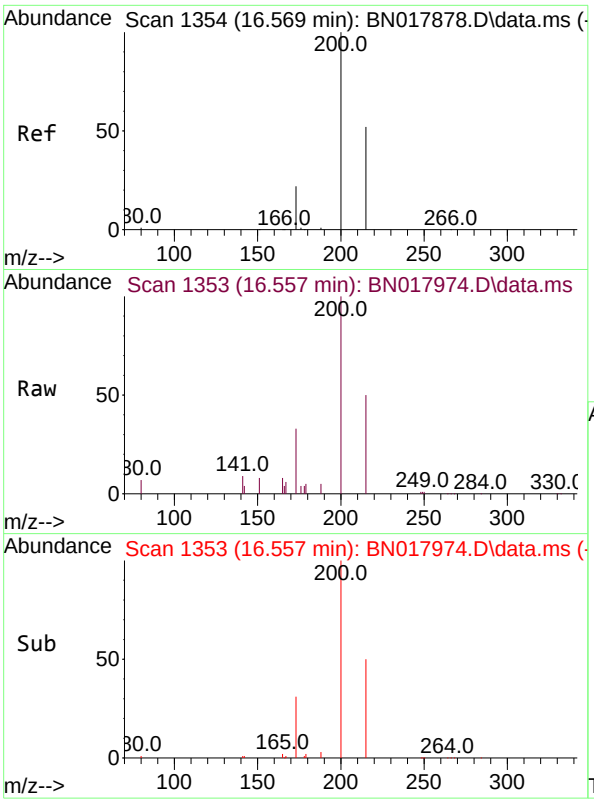


#22
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.399 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:284 Resp: 44078

Ion	Ratio	Lower	Upper
284	100		
142	27.6	21.2	31.8
249	29.8	23.2	34.8



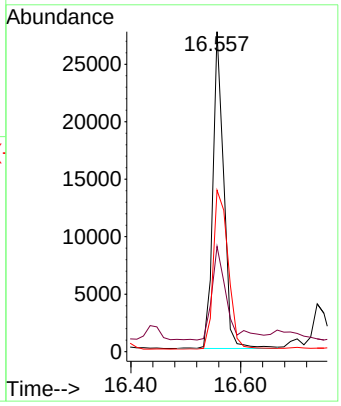


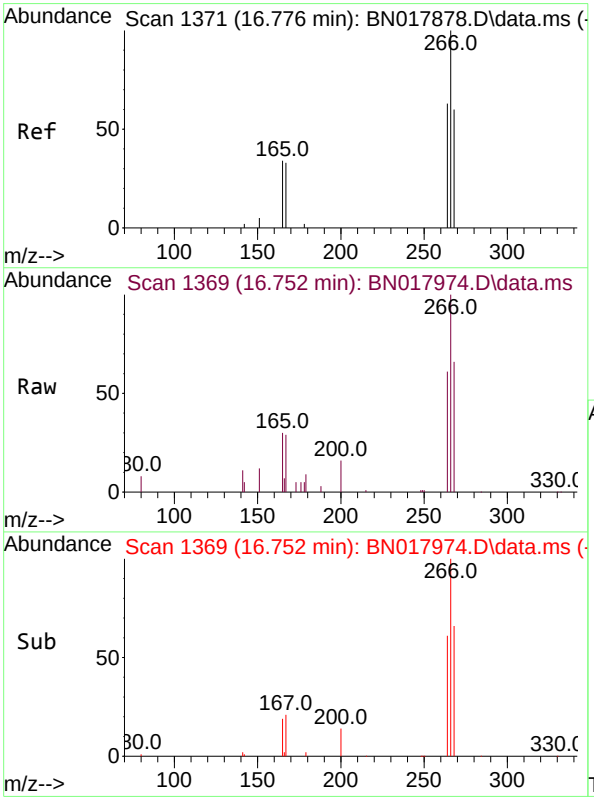
#23
Atrazine
Concen: 0.621 ng
RT: 16.557 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 37934

Ion	Ratio	Lower	Upper
200	100		
173	32.9	18.2	27.2#
215	50.4	41.8	62.8

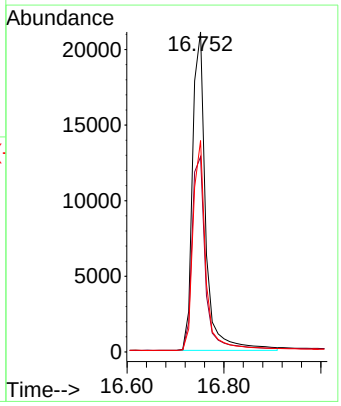


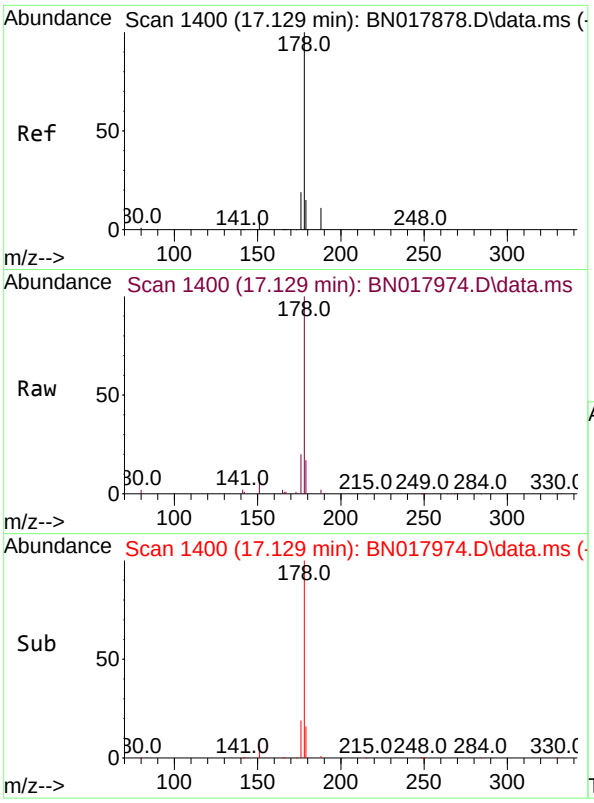


#24
Pentachlorophenol
Concen: 3.130 ng
RT: 16.752 min Scan# 1369
Delta R.T. -0.024 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:266 Resp: 39751

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.6	76.0
268	63.9	53.7	80.5



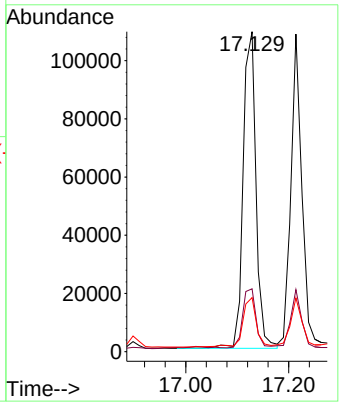


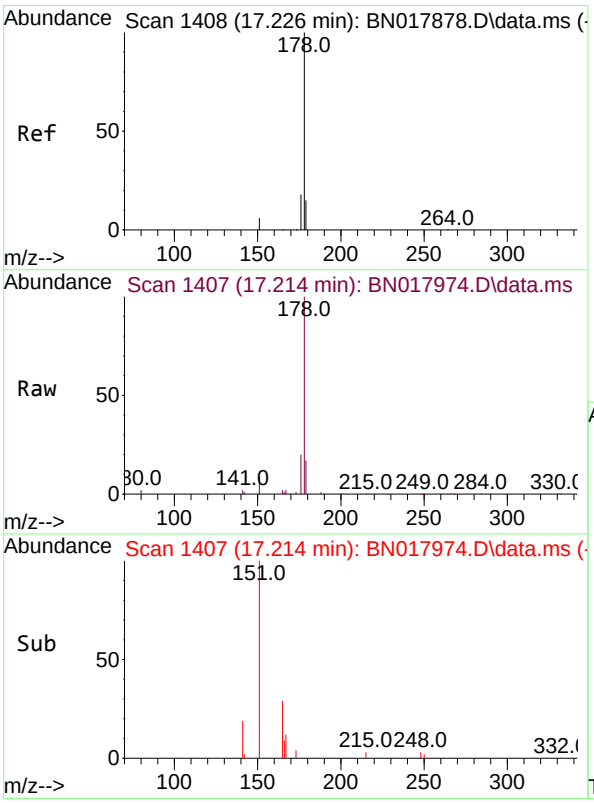
#25
Phenanthrene
Concen: 0.509 ng
RT: 17.129 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 189381

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.6
179	16.4	12.4	18.6

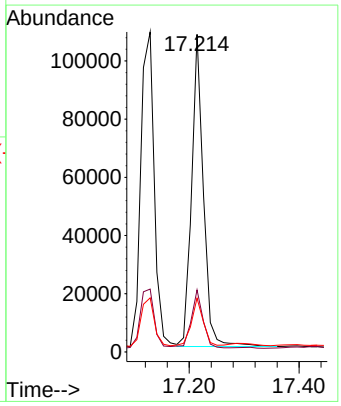


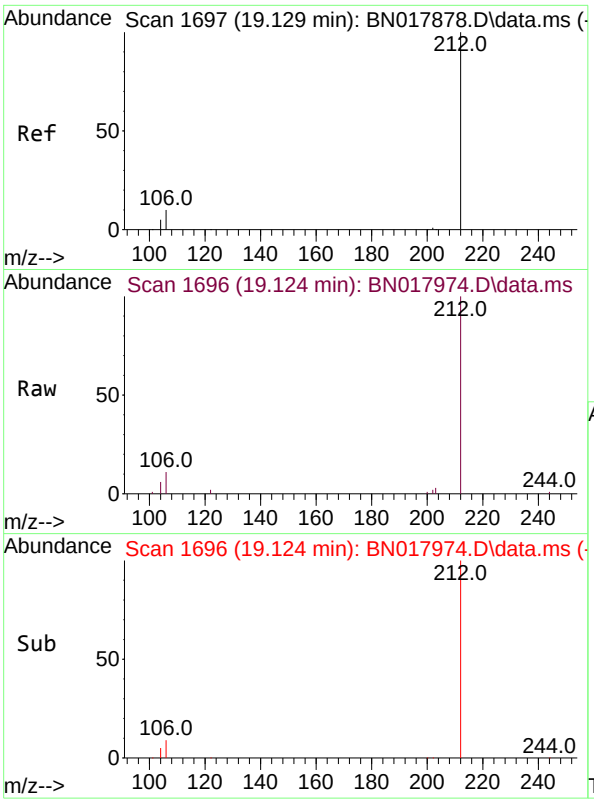


#26
Anthracene
Concen: 0.517 ng
RT: 17.214 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:178 Resp: 160296

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.3	21.5
179	15.1	12.2	18.4



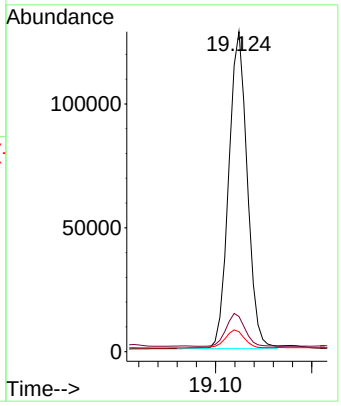


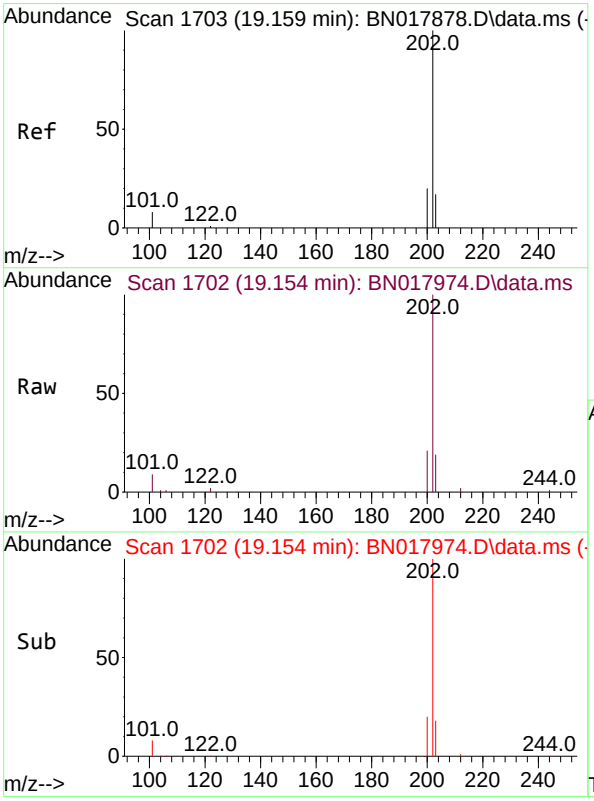
#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.124 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 171230

Ion	Ratio	Lower	Upper
212	100		
106	10.4	8.3	12.5
104	6.1	4.6	6.8

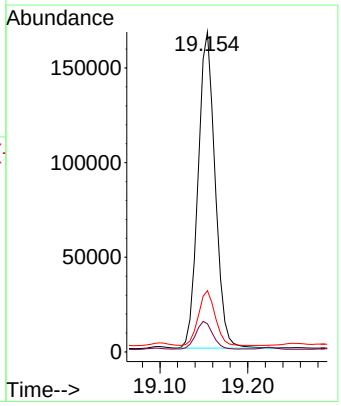


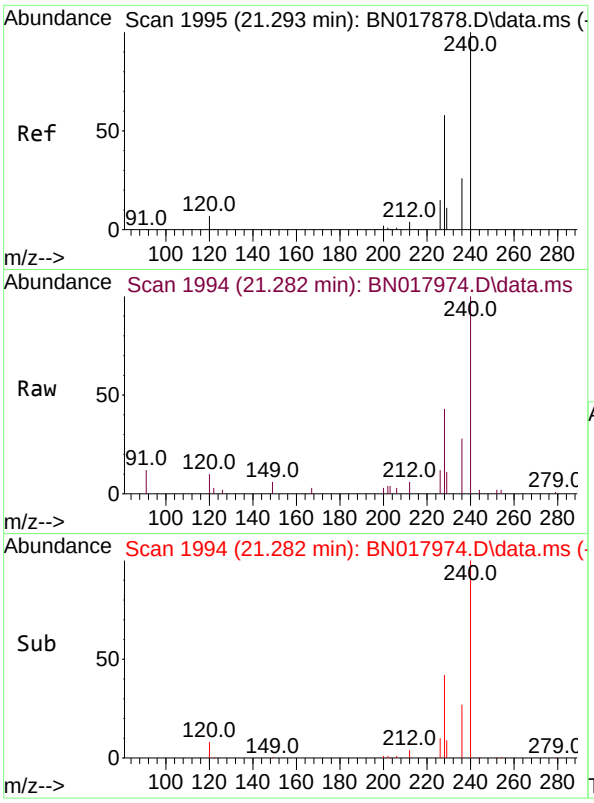


#28
Fluoranthene
Concen: 0.490 ng
RT: 19.154 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:202 Resp: 224193

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.3	10.9
203	17.1	13.7	20.5



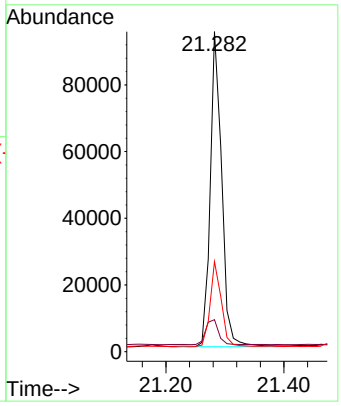


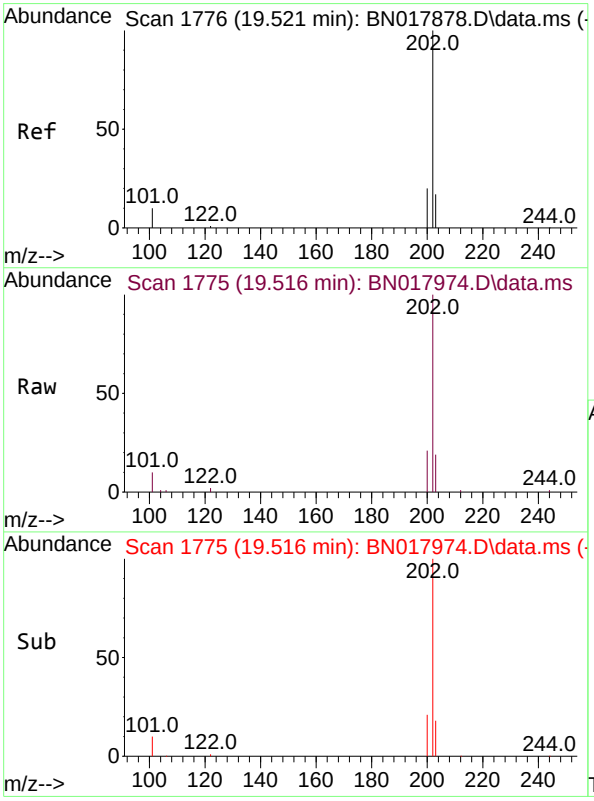
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 127499

Ion	Ratio	Lower	Upper
240	100		
120	10.0	5.8	8.8#
236	28.1	21.0	31.6

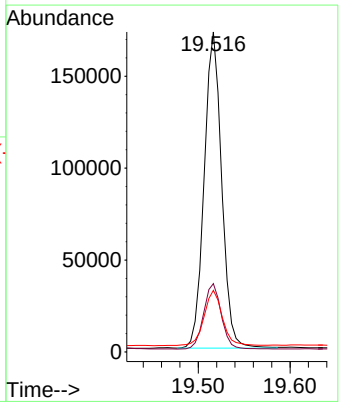


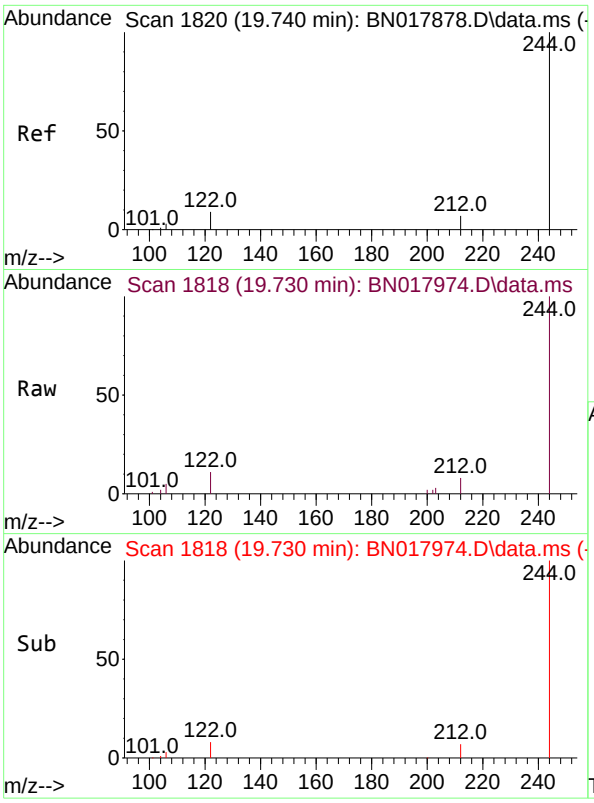


#30
Pyrene
Concen: 0.455 ng
RT: 19.516 min Scan# 1775
Delta R.T. -0.005 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:202 Resp: 227293

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	18.4	14.0	21.0



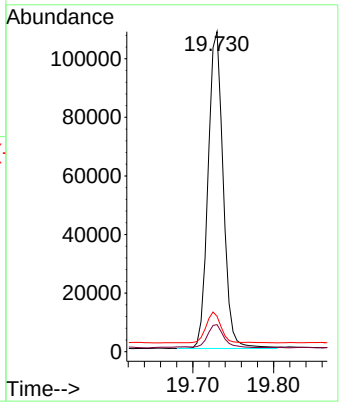


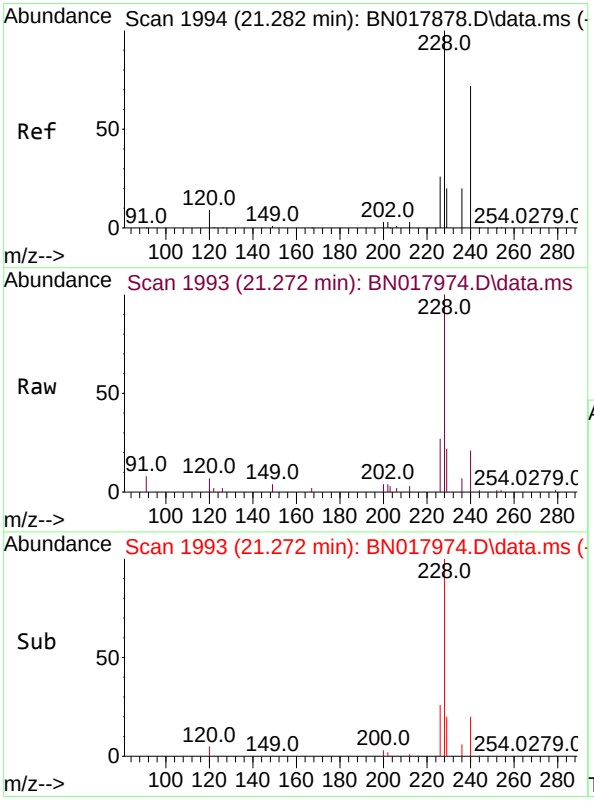
#31
Terphenyl-d14
Concen: 0.448 ng
RT: 19.730 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 140885

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.2
122	11.1	7.5	11.3

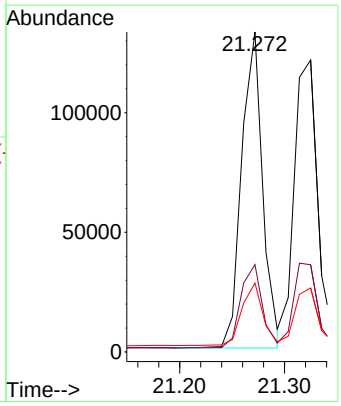


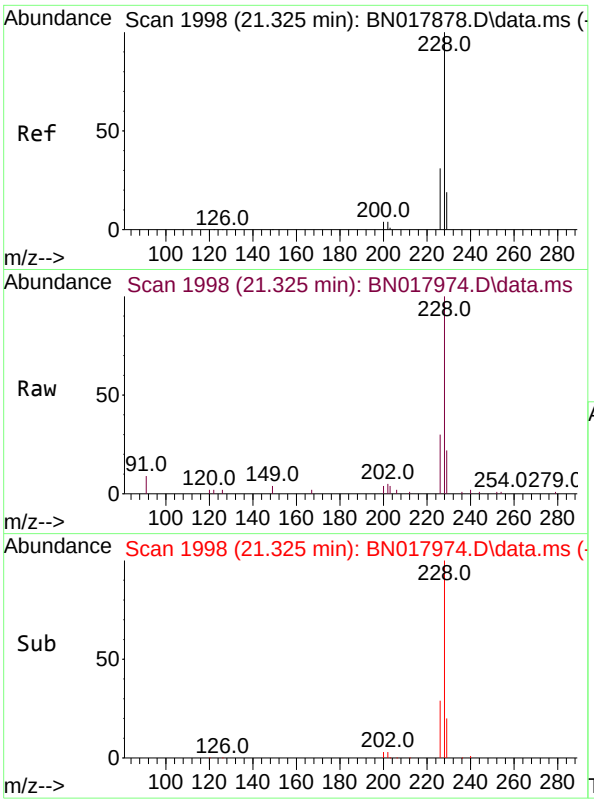


#32
Benzo(a)anthracene
Concen: 0.499 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:228 Resp: 183544

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.0	31.4
229	21.6	15.8	23.8



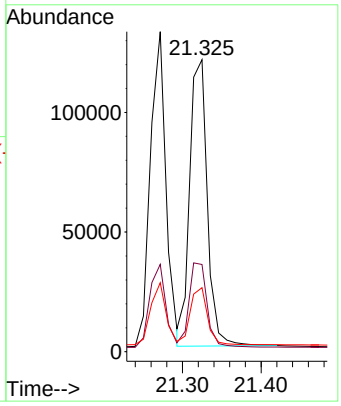


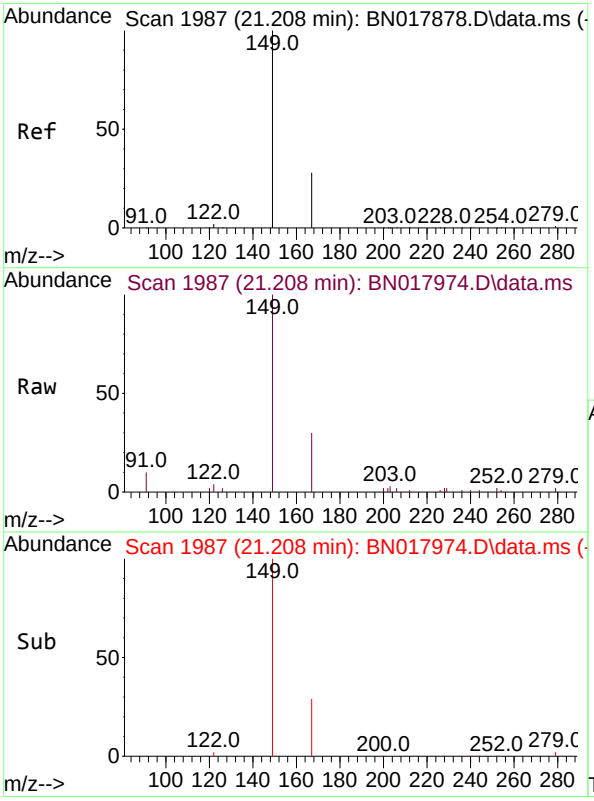
#33
Chrysene
Concen: 0.446 ng
RT: 21.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 186667

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	21.9	15.6	23.4

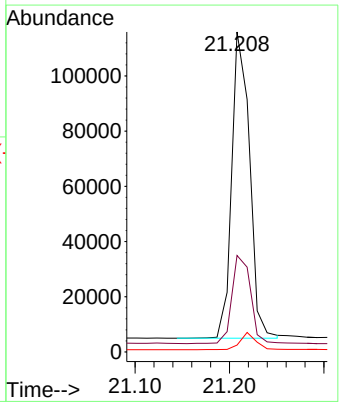


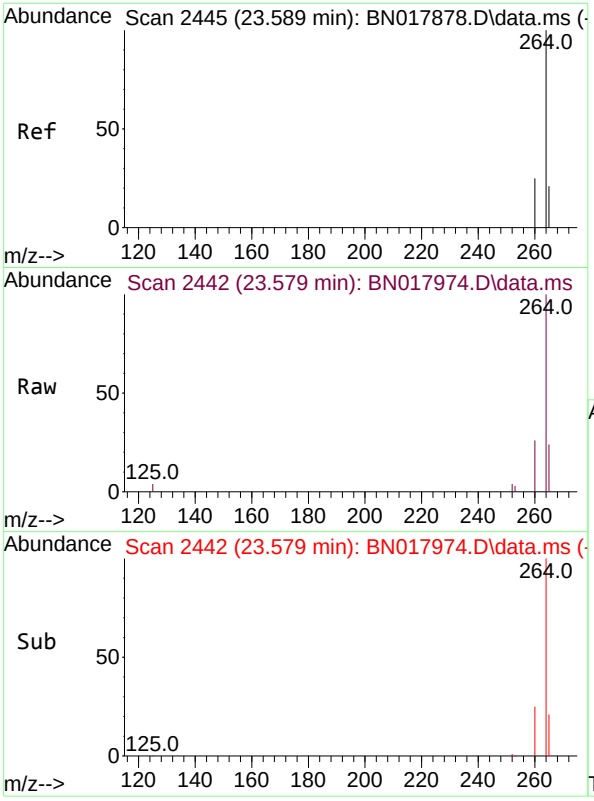


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.060 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:149 Resp: 145137

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.4	35.0
279	5.1	3.6	5.4



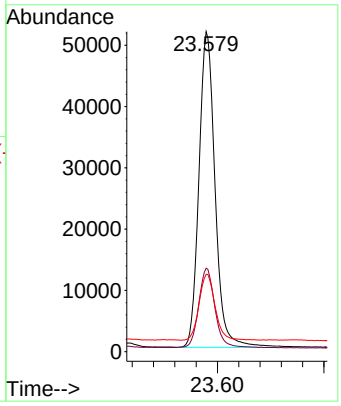


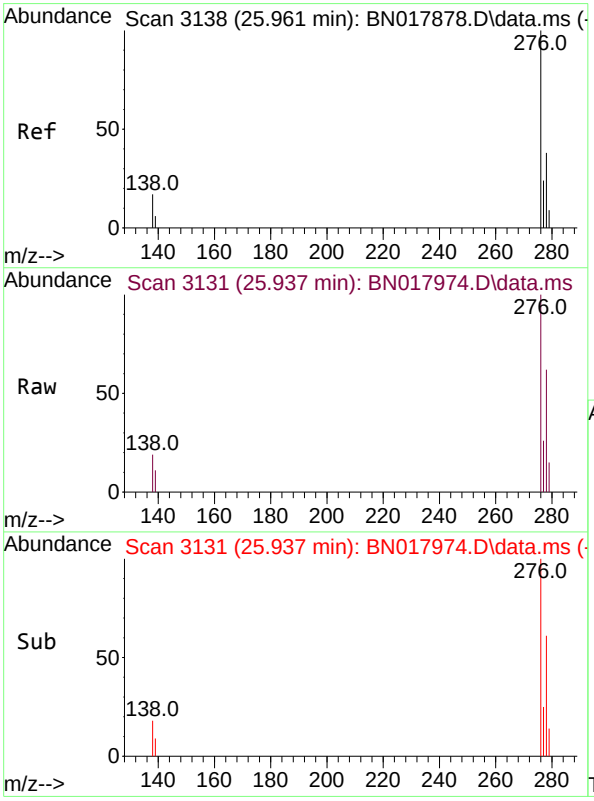
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.579 min Scan# 24
Delta R.T. -0.010 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 108317

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.2	30.4
265	24.2	18.2	27.4

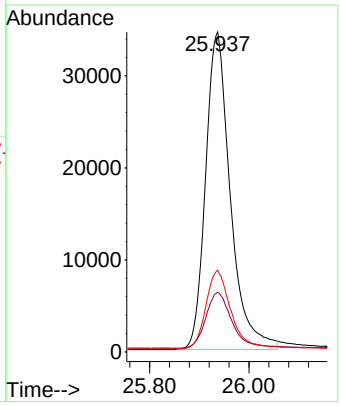


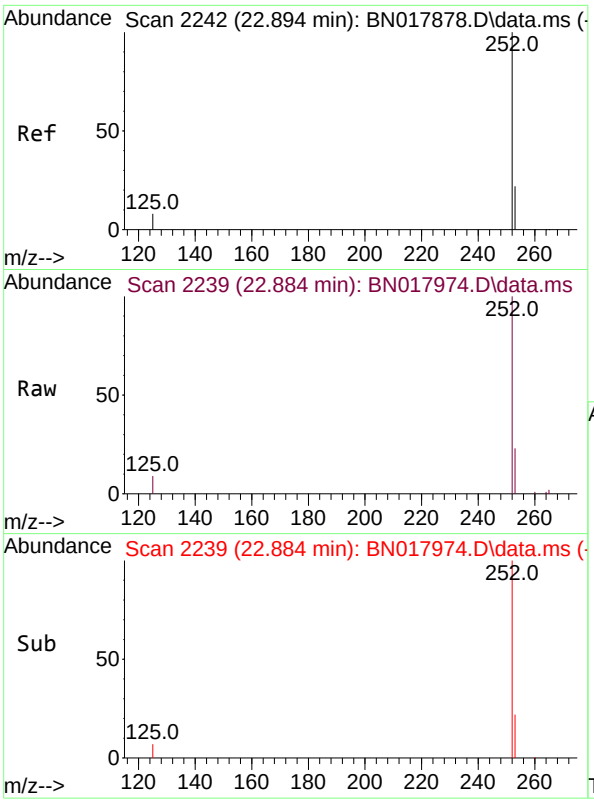


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.611 ng
RT: 25.937 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:276 Resp: 119358

Ion	Ratio	Lower	Upper
276	100		
138	18.5	15.2	22.8
277	24.9	19.8	29.6



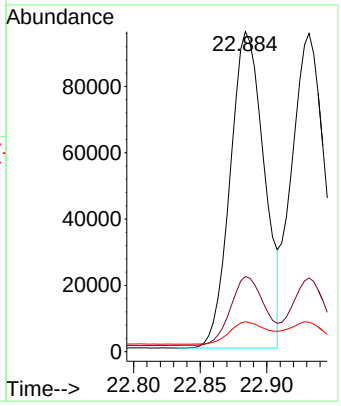


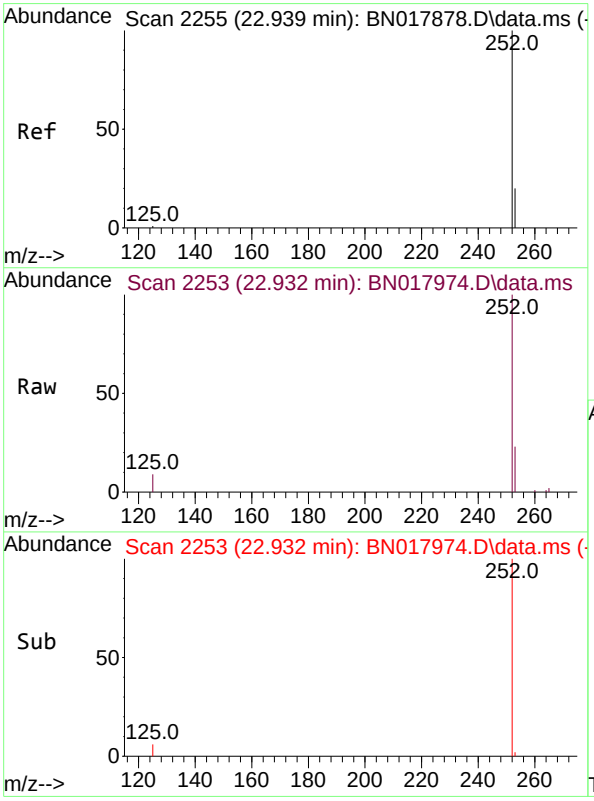
#37
Benzo(b)fluoranthene
Concen: 0.474 ng
RT: 22.884 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 169696

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.4	6.8	10.2

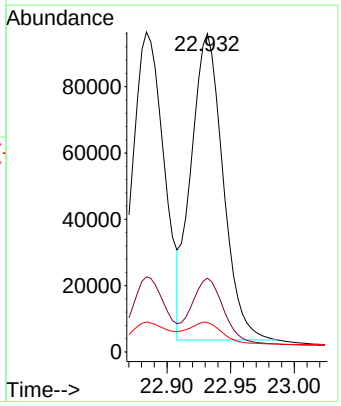


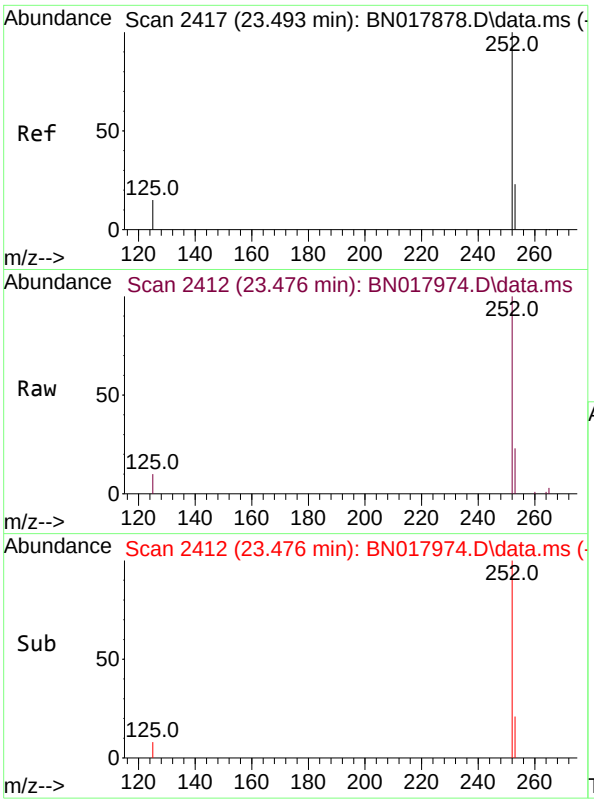


#38
Benzo(k)fluoranthene
Concen: 0.463 ng
RT: 22.932 min Scan# 2253
Delta R.T. -0.007 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:252 Resp: 161515

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	9.3	6.1	9.1#



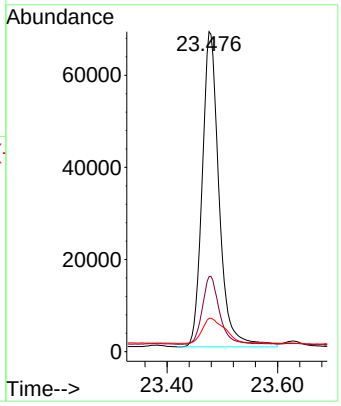


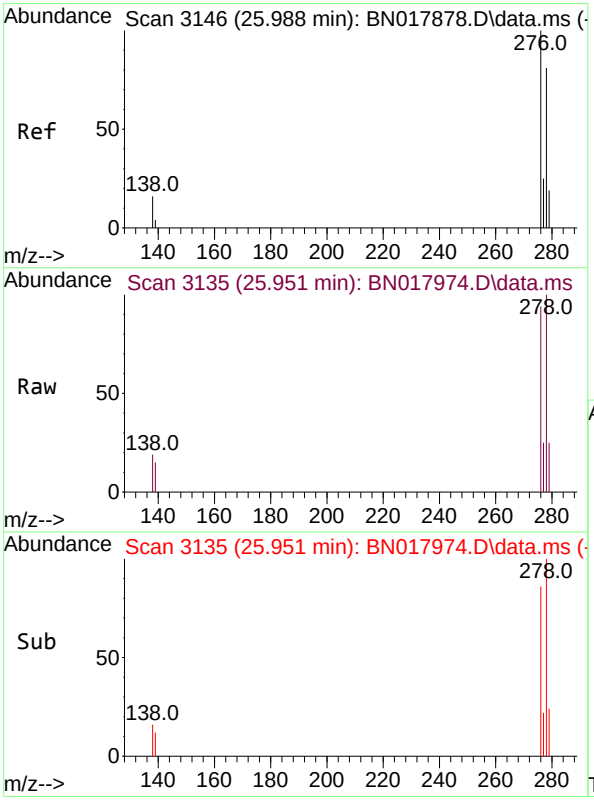
#39
Benzo(a)pyrene
Concen: 0.456 ng
RT: 23.476 min Scan# 24
Delta R.T. -0.017 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 145073

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.8	28.2
125	10.4	12.2	18.2#

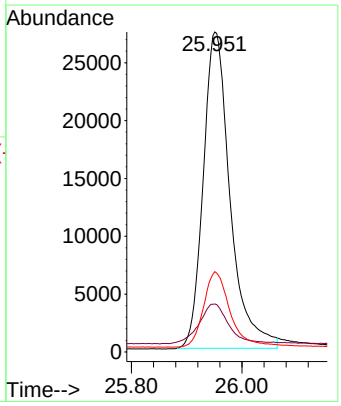


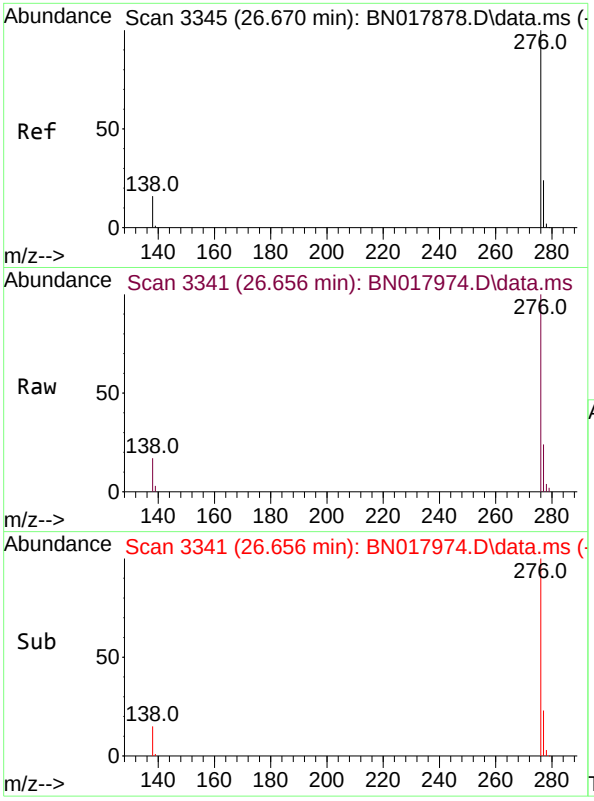


#40
Dibenzo(a,h)anthracene
Concen: 0.696 ng
RT: 25.951 min Scan# 3135
Delta R.T. -0.037 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Tgt Ion:278 Resp: 92514

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.0	18.0
279	25.1	20.8	31.2





#41
Benzo(g,h,i)perylene
Concen: 0.565 ng
RT: 26.656 min Scan# 3
Delta R.T. -0.014 min
Lab File: BN017974.D
Acq: 13 Dec 2021 17:09

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 97304

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	16.8	13.8	20.8