Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111921\
Data File : BN017521.D
Acq On : 19 Nov 2021 13:30
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 19 14:29:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 12:29:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	30694	0.400	ng	0.00
7) Naphthalene-d8	10.649	136	128387	0.400	ng	#-0.01
13) Acenaphthene-d10	14.486	164	69252	0.400	ng	0.00
19) Phenanthrene-d10	17.226	188	133541	0.400	ng	0.00
29) Chrysene-d12	21.409	240	124278	0.400	ng	# 0.00
35) Perylene-d12	23.780	264	105398	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.440	112	245039	3.354	ng	0.00
5) Phenol-d6	7.026	99	281112	3.576	ng	0.00
8) Nitrobenzene-d5	9.014	82	303700	3.816	ng	0.00
11) 2-Methylnaphthalene-d10	12.240	152	685039	3.247	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	13.115	172	822800	3.150	ng	0.00
27) Fluoranthene-d10	19.258	212	1367336	3.428	ng	0.00
31) Terphenyl-d14	19.858	244	890862	2.920	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.384	88	47005	3.478	ng	98
3) n-Nitrosodimethylamine	3.706	42	101529	3.947	ng	95
6) bis(2-Chloroethyl)ether	7.293	93	268196	3.184	ng	96
9) Naphthalene	10.699	128	1021412	3.166	ng	100
10) Hexachlorobutadiene	11.003	225	206500	3.062	ng	# 100
12) 2-Methylnaphthalene	12.315	142	657891	3.220	ng	98
16) Acenaphthylene	14.206	152	979026	3.794	ng	100
17) Acenaphthene	14.549	154	623660	3.332	ng	96
18) Fluorene	15.526	166	759118	3.529	ng	99
20) 4,6-Dinitro-2-methylph...	15.602	198	43704	8.331	ng	# 82
21) 4-Bromophenyl-phenylether	16.422	248	248344	3.283	ng	# 75
22) Hexachlorobenzene	16.544	284	257052	3.007	ng	96
24) Pentachlorophenol	16.885	266	103132	6.035	ng	100
25) Phenanthrene	17.262	178	1199959	3.270	ng	100
26) Anthracene	17.359	178	1112076	3.653	ng	100
28) Fluoranthene	19.287	202	1330627	3.380	ng	99
30) Pyrene	19.650	202	1387733	3.108	ng	100
32) Benzo(a)anthracene	21.398	228	1360012	3.535	ng	99
33) Chrysene	21.452	228	1322230	3.342	ng	99
36) Indeno(1,2,3-cd)pyrene	26.220	276	1131180	4.651	ng	97
37) Benzo(b)fluoranthene	23.061	252	1299705	3.283	ng	99
38) Benzo(k)fluoranthene	23.109	252	1200789	3.299	ng	99
39) Benzo(a)pyrene	23.674	252	1116632	3.636	ng	99
40) Dibenzo(a,h)anthracene	26.238	278	927369	5.011	ng	97
41) Benzo(g,h,i)perylene	26.970	276	960227	4.197	ng	98

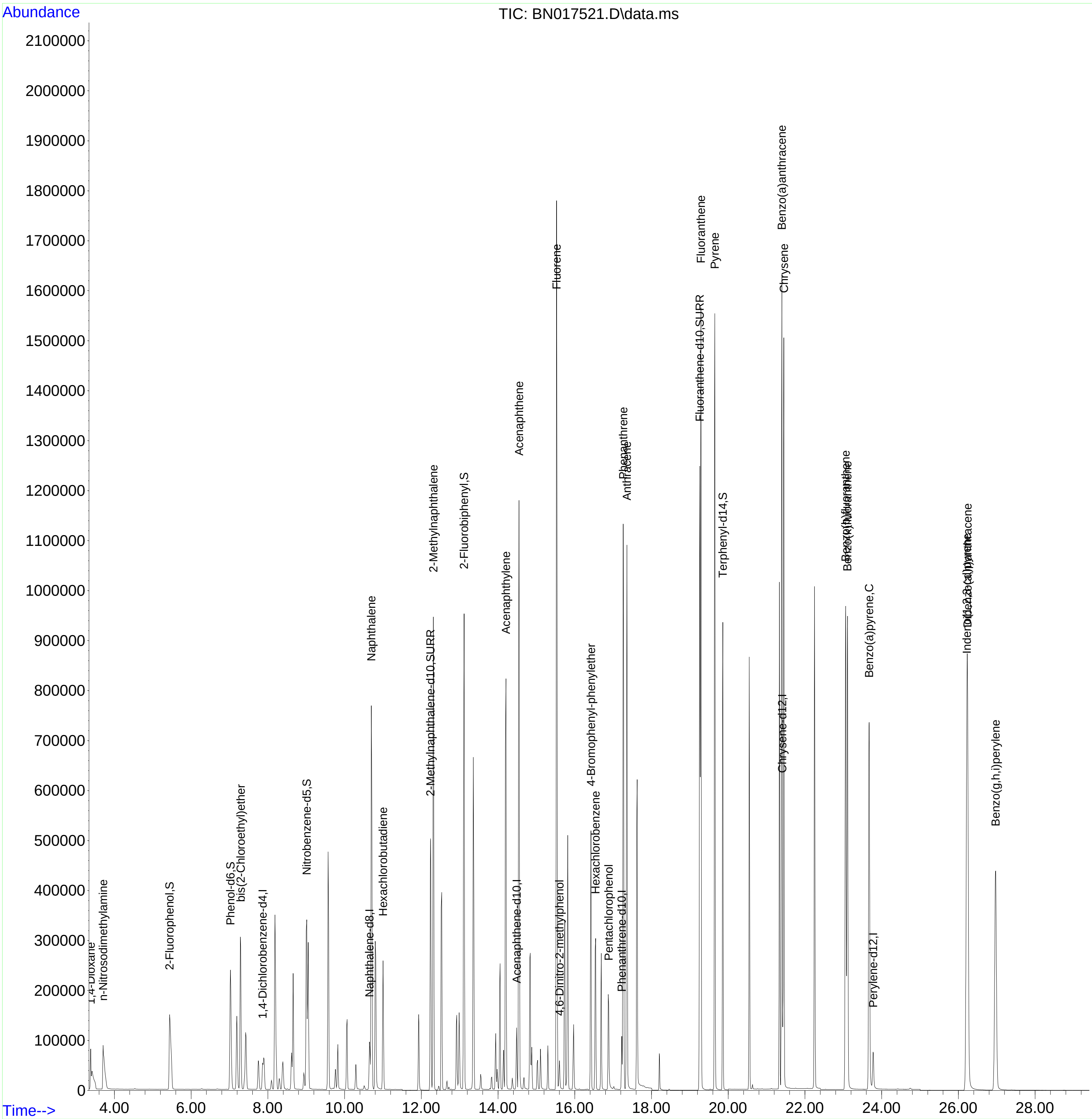
(#) = qualifier out of range (m) = manual integration (+) = signals summed

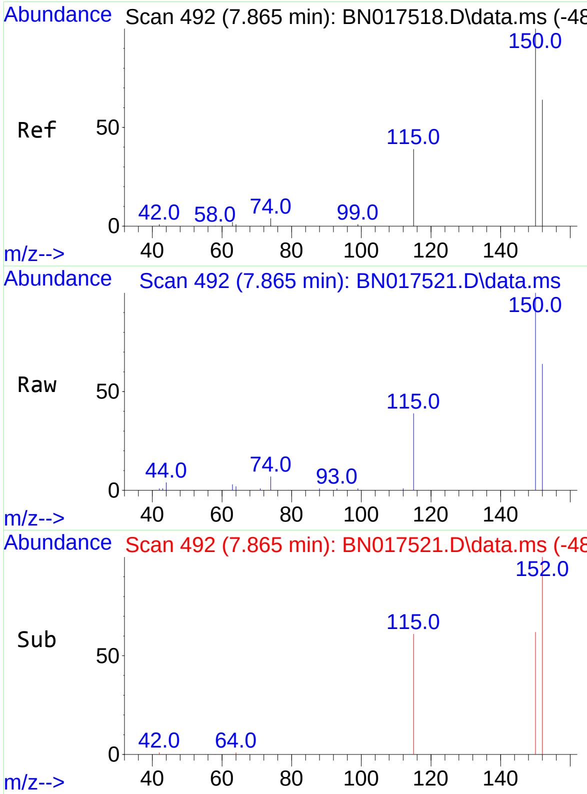
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111921\
Data File : BN017521.D
Acq On : 19 Nov 2021 13:30
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 19 14:29:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 12:29:22 2021
Response via : Initial Calibration



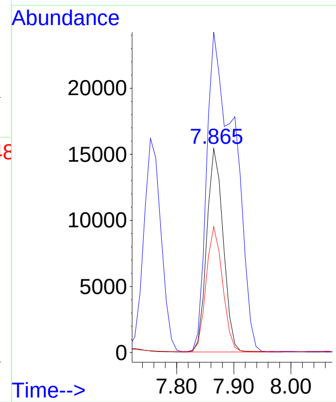


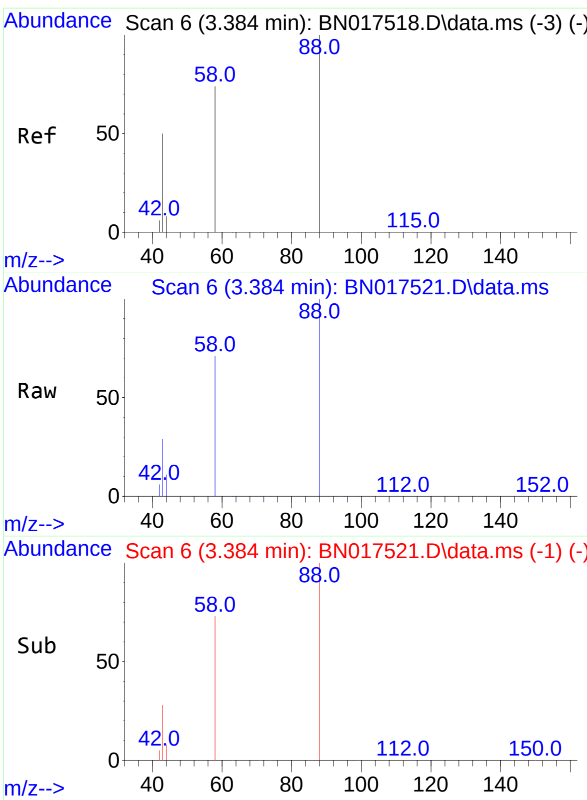
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.865 min Scan# 49
Delta R.T. -0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 30694

Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.0	184.4
115	61.7	45.6	68.4

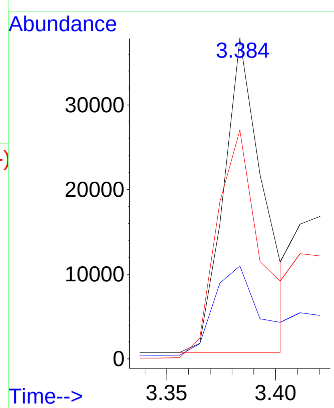


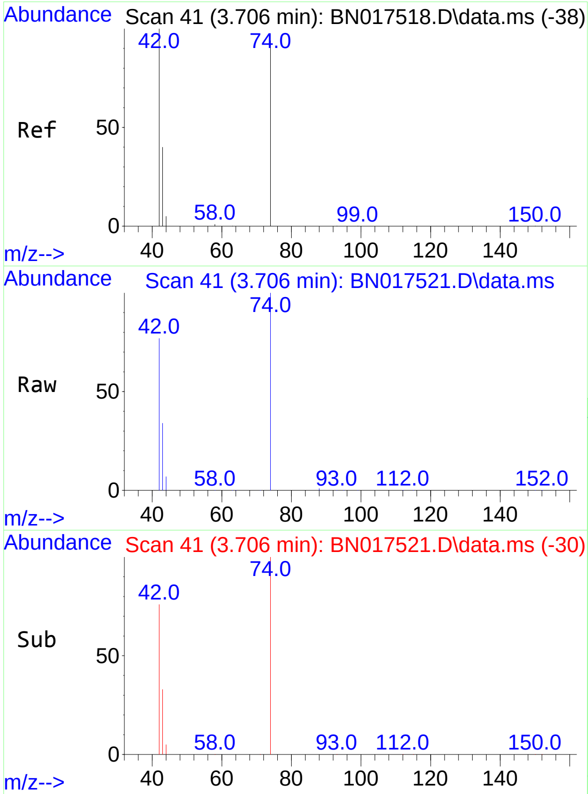


#2
1,4-Dioxane
Concen: 3.478 ng
RT: 3.384 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion: 88 Resp: 47005

Ion	Ratio	Lower	Upper
88	100		
43	33.7	24.7	37.1
58	79.9	63.0	94.6



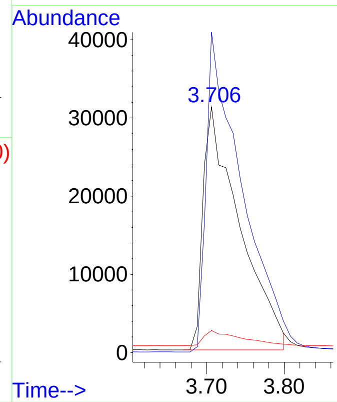


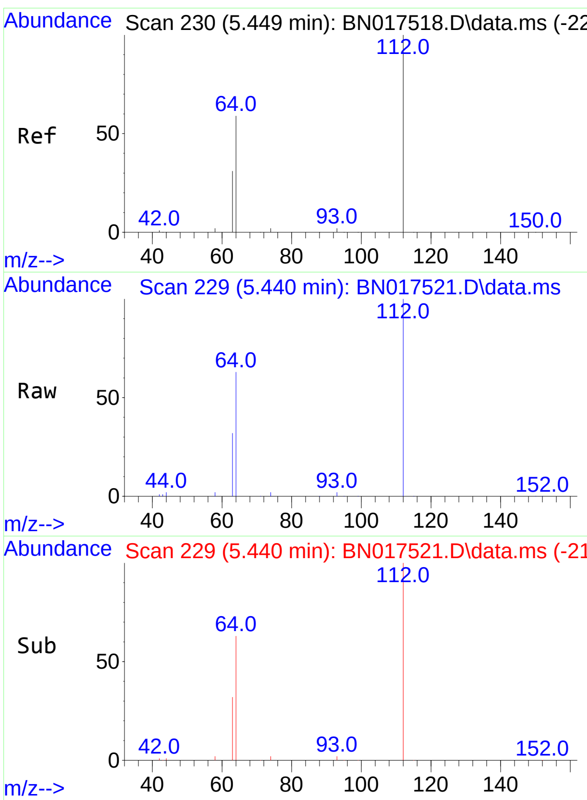
#3
n-Nitrosodimethylamine
Concen: 3.947 ng
RT: 3.706 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 101529

Ion	Ratio	Lower	Upper
42	100		
74	127.9	97.8	146.6
44	6.3	5.5	8.3

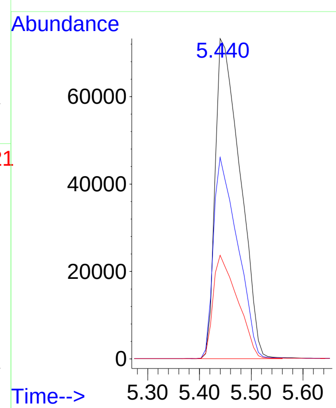


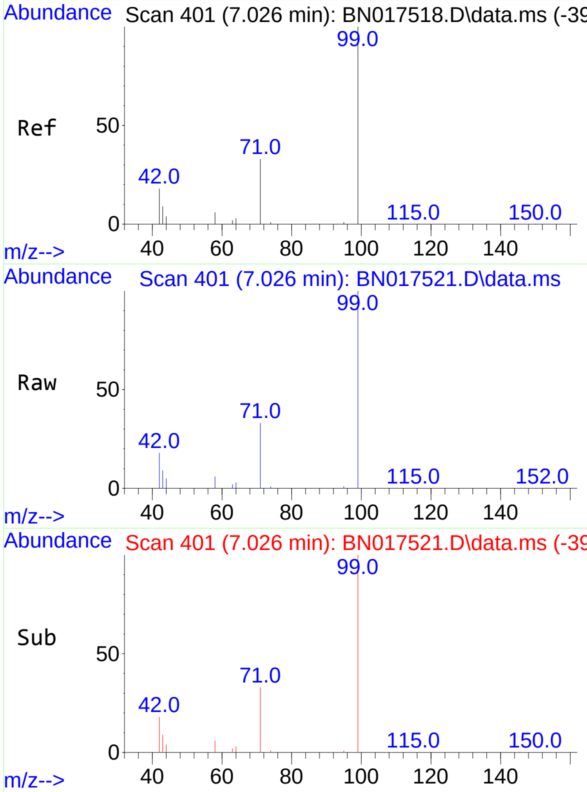


#4
2-Fluorophenol
Concen: 3.354 ng
RT: 5.440 min Scan# 229
Delta R.T. -0.009 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:112 Resp: 245039

Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.6	71.4
63	31.5	24.6	37.0





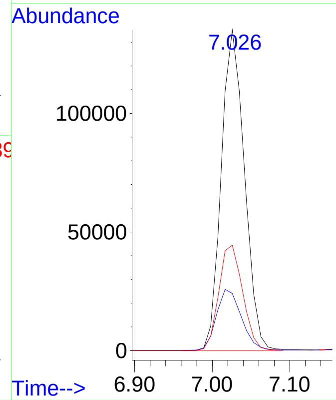
#5
Phenol-d6
Concen: 3.576 ng
RT: 7.026 min Scan# 4

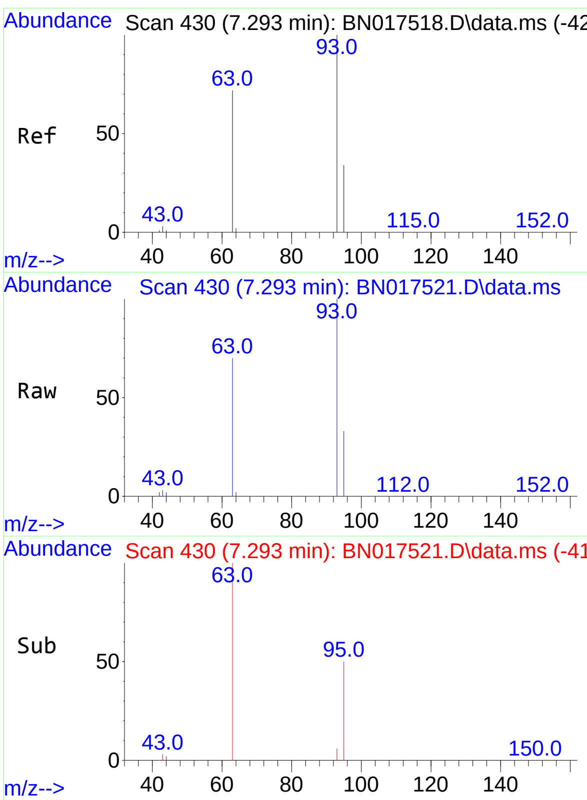
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion: 99 Resp: 281112

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	33.7	24.8	37.2

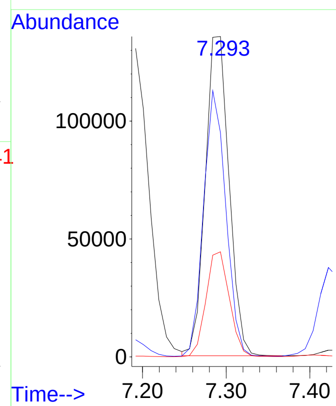


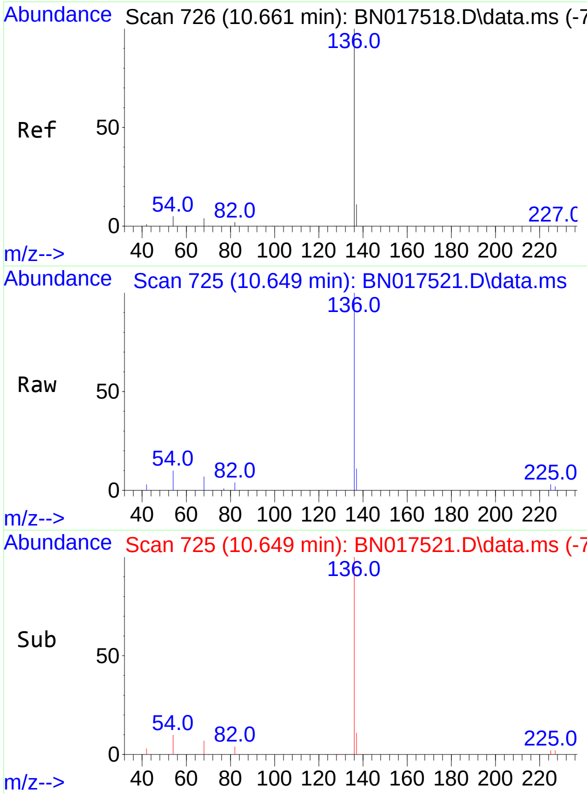


#6
bis(2-Chloroethyl)ether
Concen: 3.184 ng
RT: 7.293 min Scan# 430
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion: 93 Resp: 268196

Ion	Ratio	Lower	Upper
93	100		
63	78.1	65.8	98.6
95	32.4	26.6	39.8





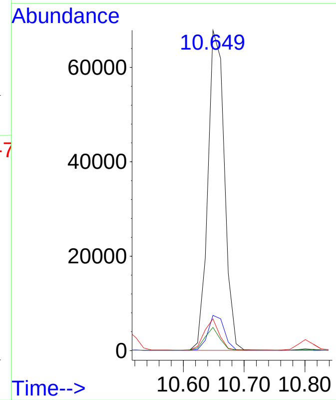
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.649 min Scan# 7

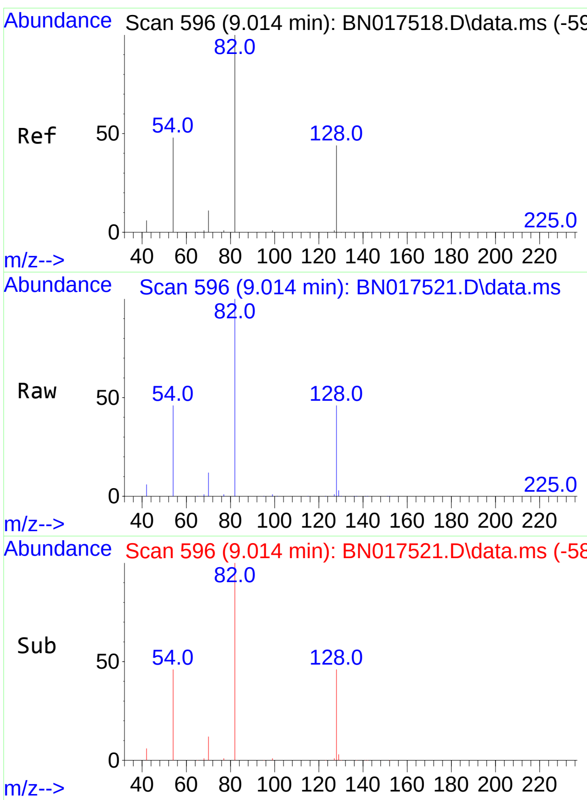
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Delta R.T. -0.013 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:136 Resp: 128387

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.9	4.0	6.0#
68	7.3	3.0	4.6#

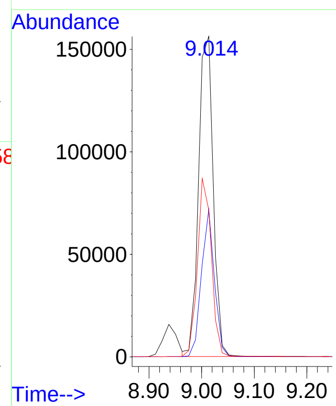


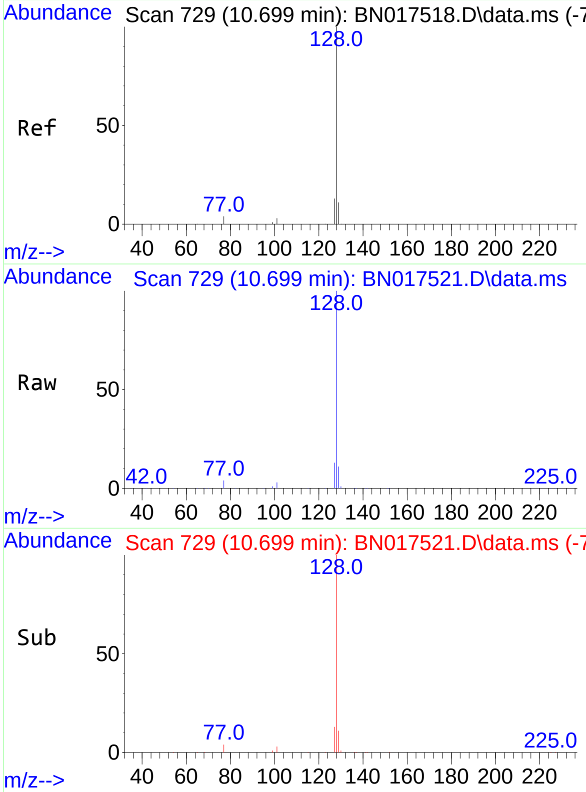


#8
Nitrobenzene-d5
Concen: 3.816 ng
RT: 9.014 min Scan# 596
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion: 82 Resp: 303700

Ion	Ratio	Lower	Upper
82	100		
128	46.0	27.7	41.5#
54	45.8	49.2	73.8#



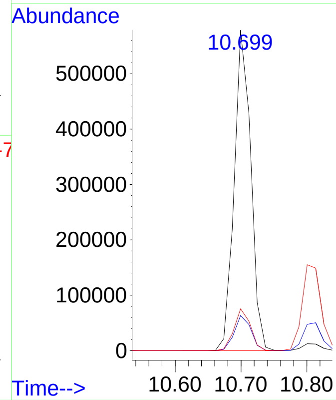


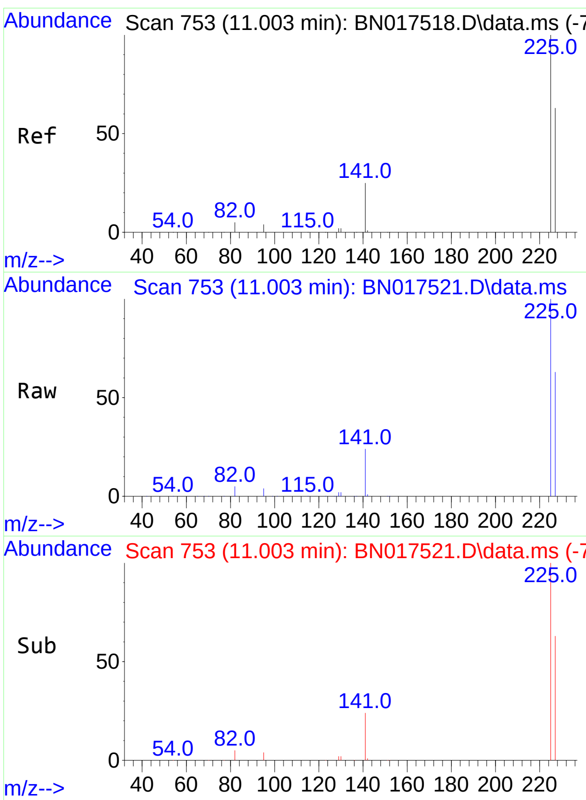
#9
Naphthalene
Concen: 3.166 ng
RT: 10.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 1021412

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.6	15.8

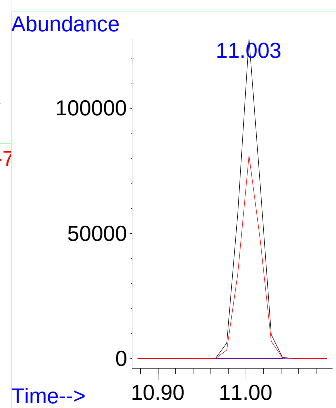


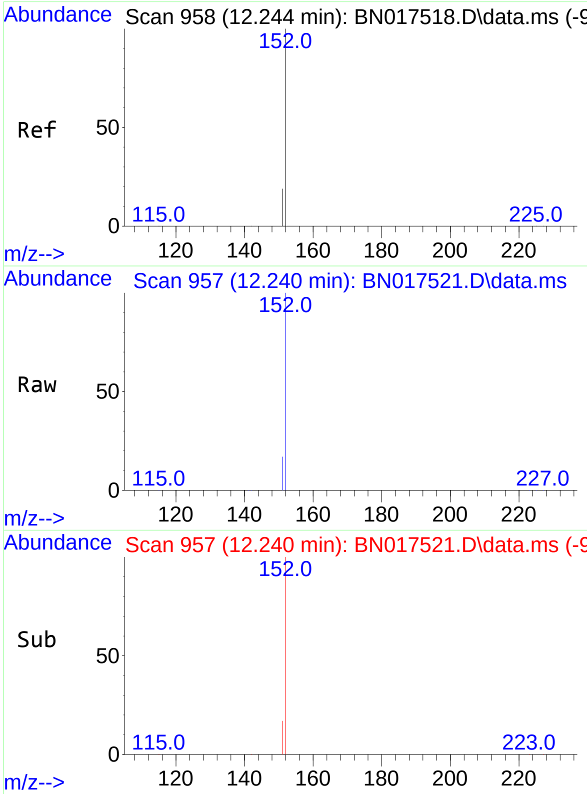


#10
Hexachlorobutadiene
Concen: 3.062 ng
RT: 11.003 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:225 Resp: 206500

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.1	76.7



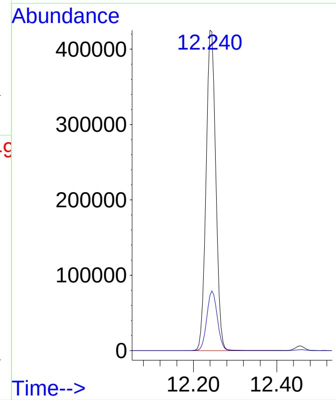


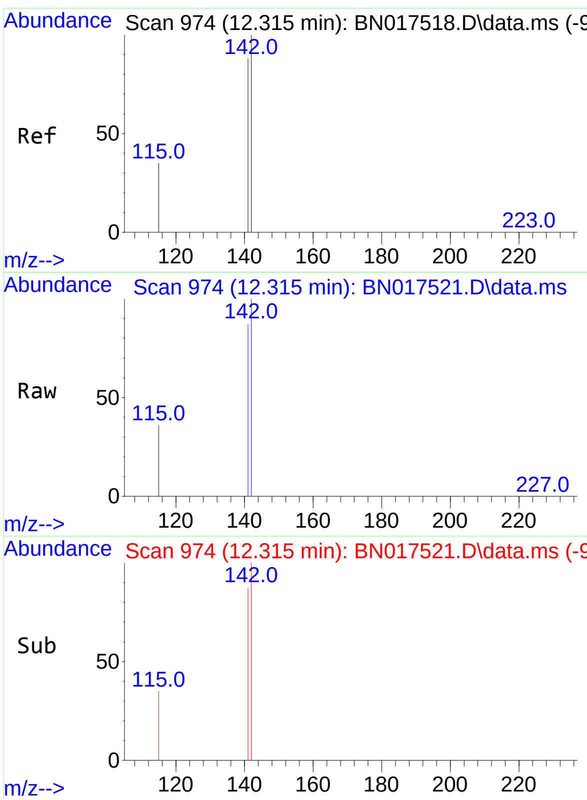
#11
2-Methylnaphthalene-d10
Concen: 3.247 ng
RT: 12.240 min Scan# 9
Delta R.T. -0.004 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 685039

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4

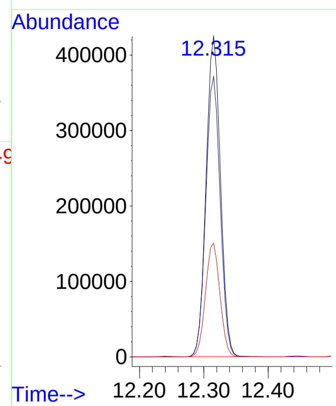


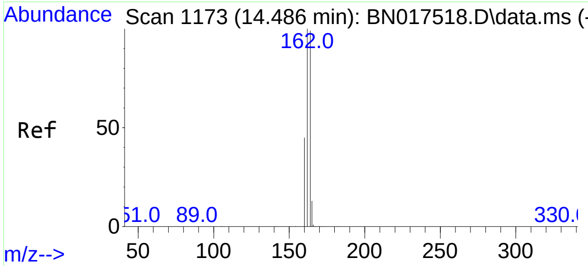


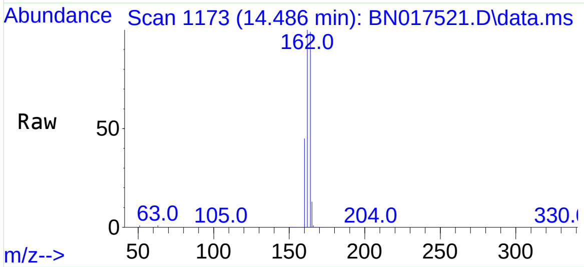
#12
2-Methylnaphthalene
Concen: 3.220 ng
RT: 12.315 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

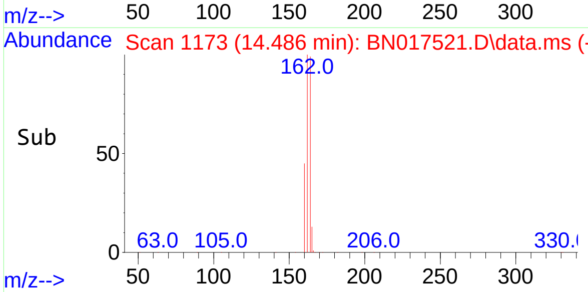
Tgt Ion:142 Resp: 657891

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.6	106.0
115	35.5	25.8	38.6







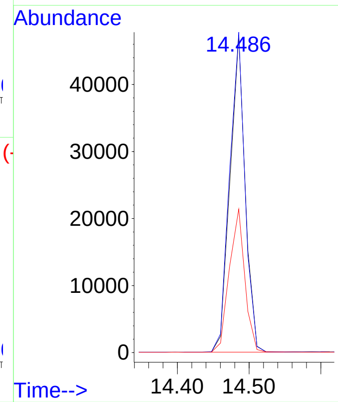


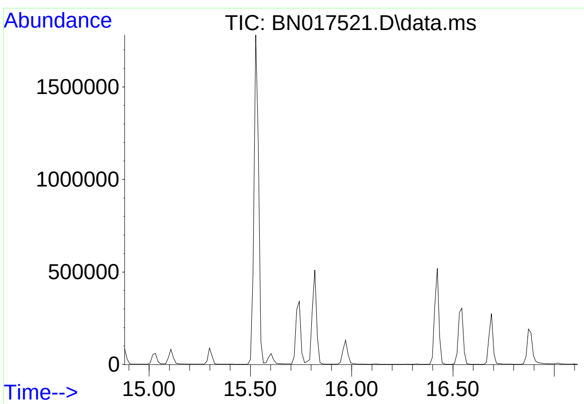
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 69252

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.4	122.2
160	45.1	36.8	55.2



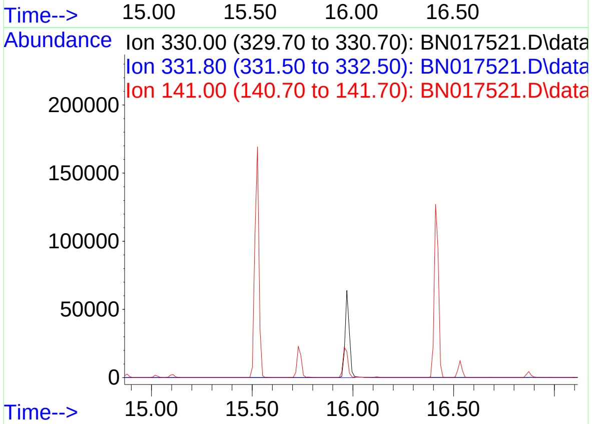


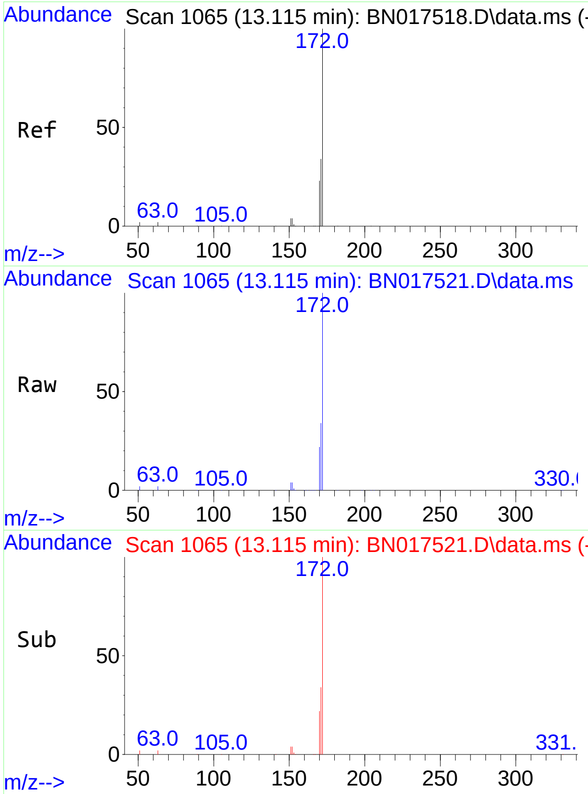
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	0.0
141	36.1





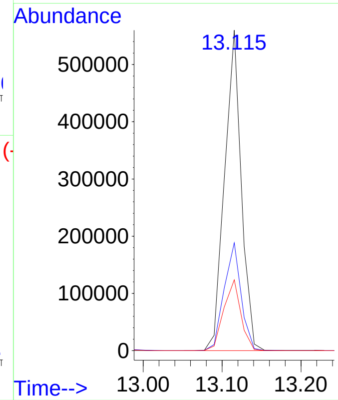
#15
2-Fluorobiphenyl
Concen: 3.150 ng
RT: 13.115 min Scan# 1

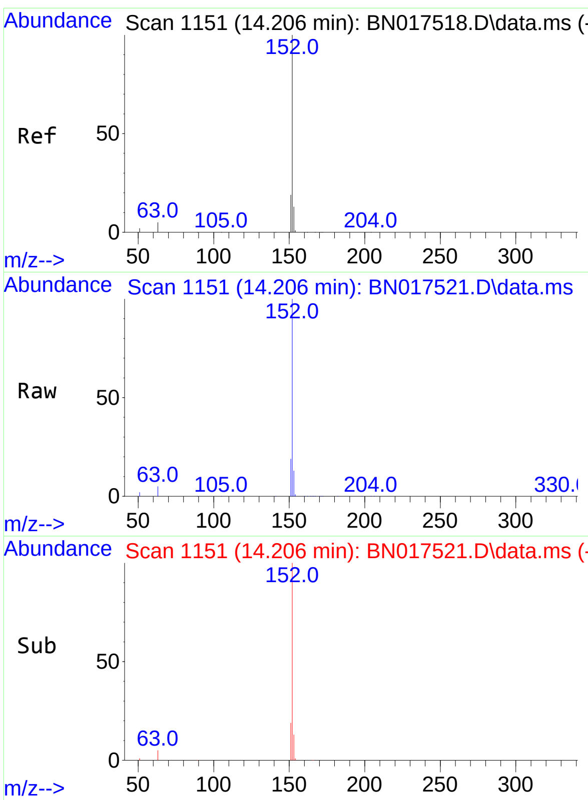
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:172 Resp: 822800

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.7	43.1
170	22.1	19.4	29.2

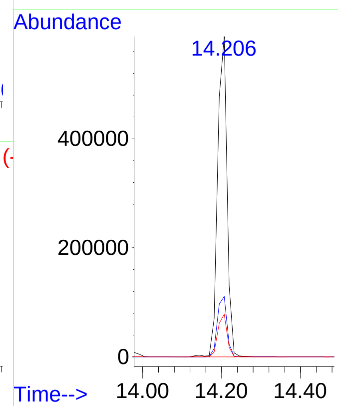


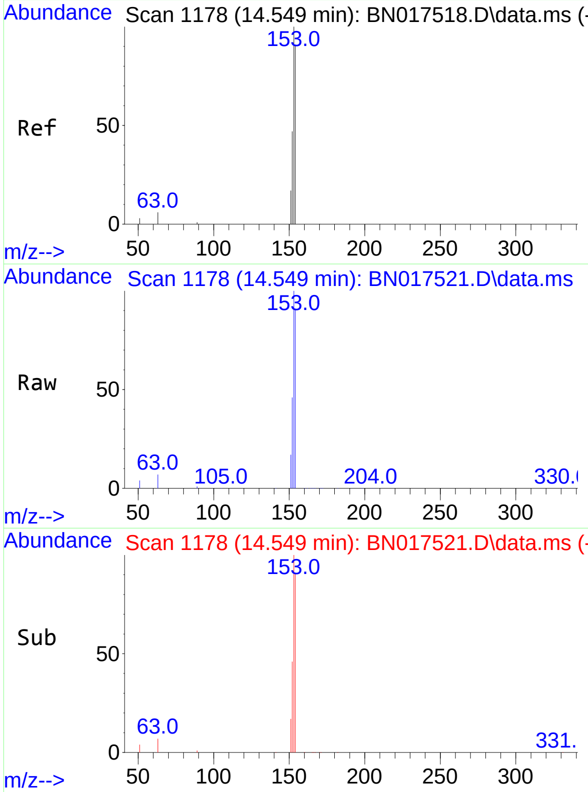


#16
Acenaphthylene
Concen: 3.794 ng
RT: 14.206 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:152 Resp: 979026

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.1	10.4	15.6



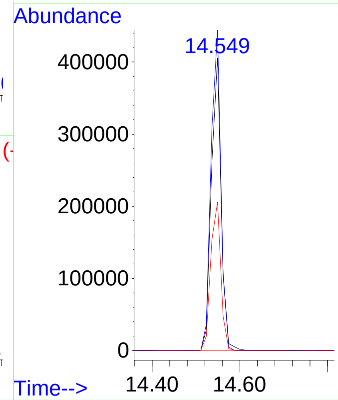


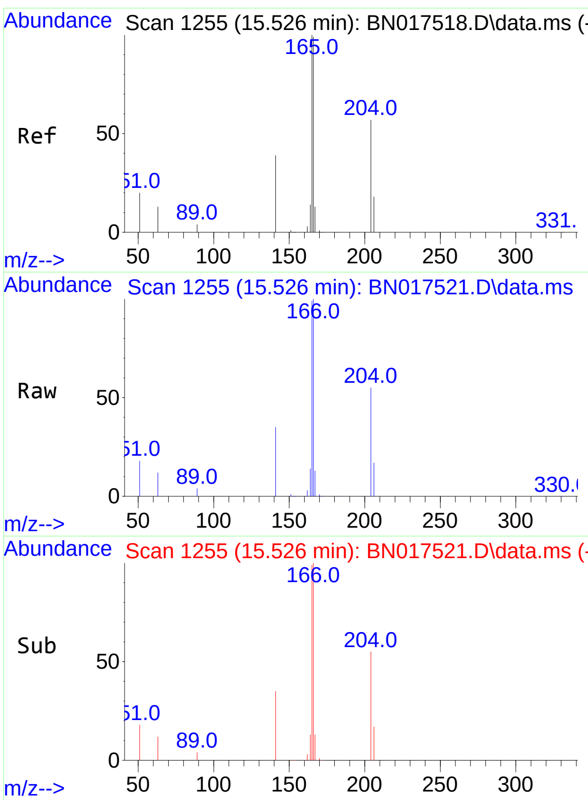
#17
Acenaphthene
Concen: 3.332 ng
RT: 14.549 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 623660

Ion	Ratio	Lower	Upper
154	100		
153	110.3	91.2	136.8
152	52.6	44.3	66.5

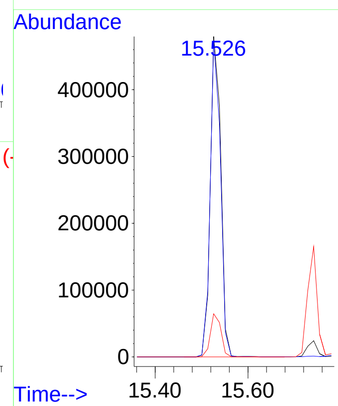


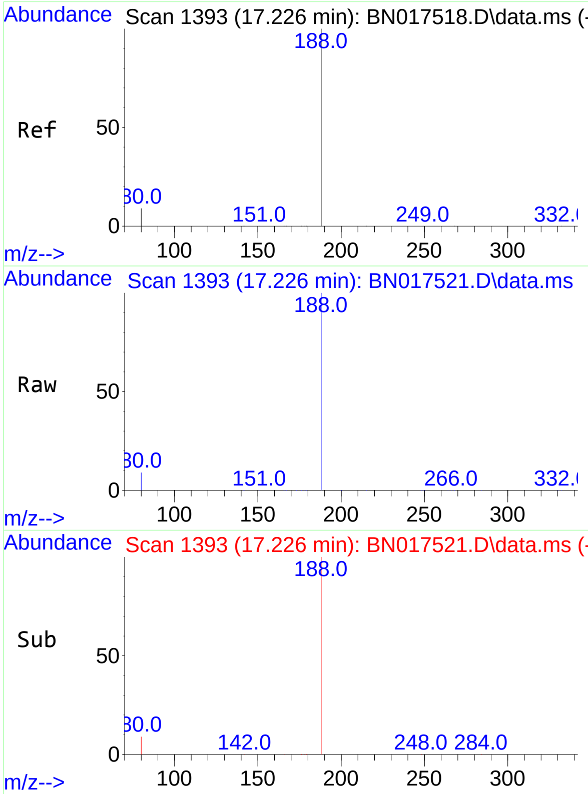


#18
Fluorene
Concen: 3.529 ng
RT: 15.526 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:166 Resp: 759118

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.9	116.9
167	13.5	10.9	16.3





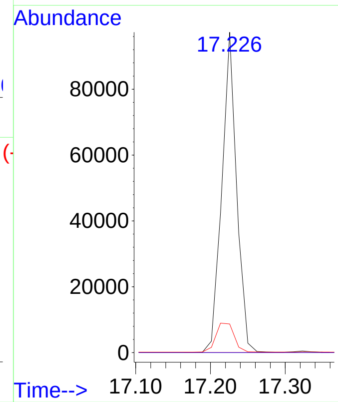
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.226 min Scan# 1

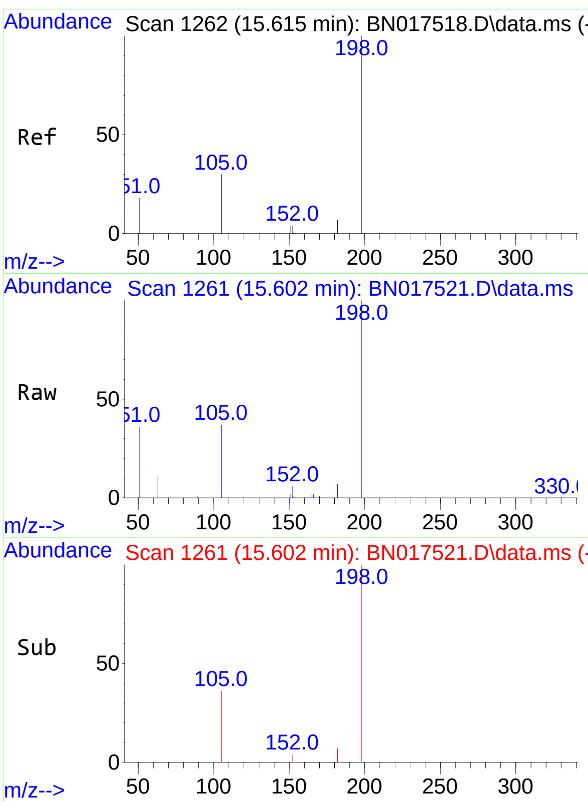
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:188 Resp: 133541

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	6.1	9.1

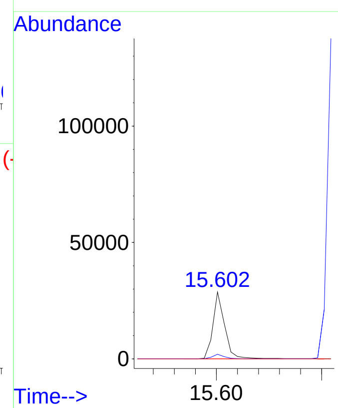


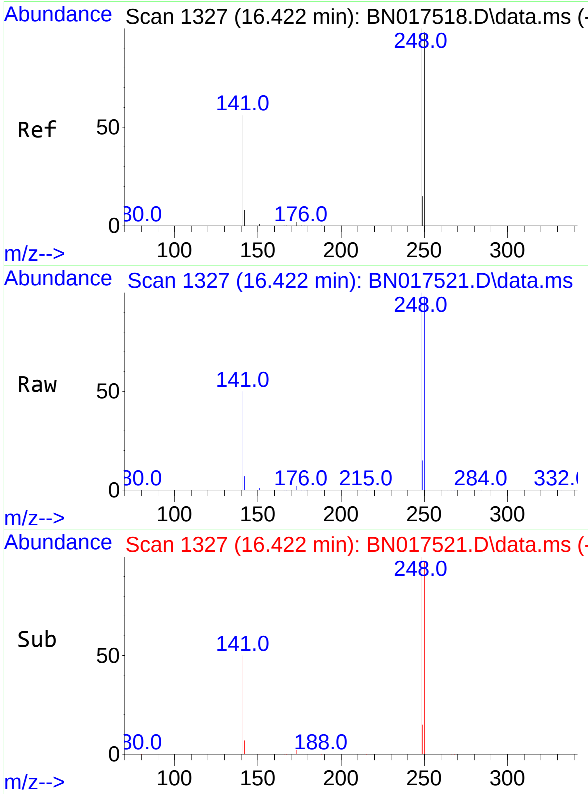


#20
4,6-Dinitro-2-methylphenol
Concen: 8.331 ng
RT: 15.602 min Scan# 1261
Delta R.T. -0.013 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:198 Resp: 43704

Ion	Ratio	Lower	Upper
198	100		
182	6.9	11.4	17.2#
77	0.0	0.0	0.0



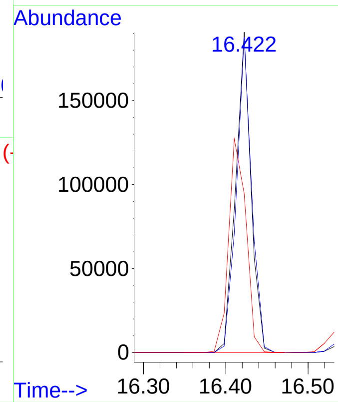


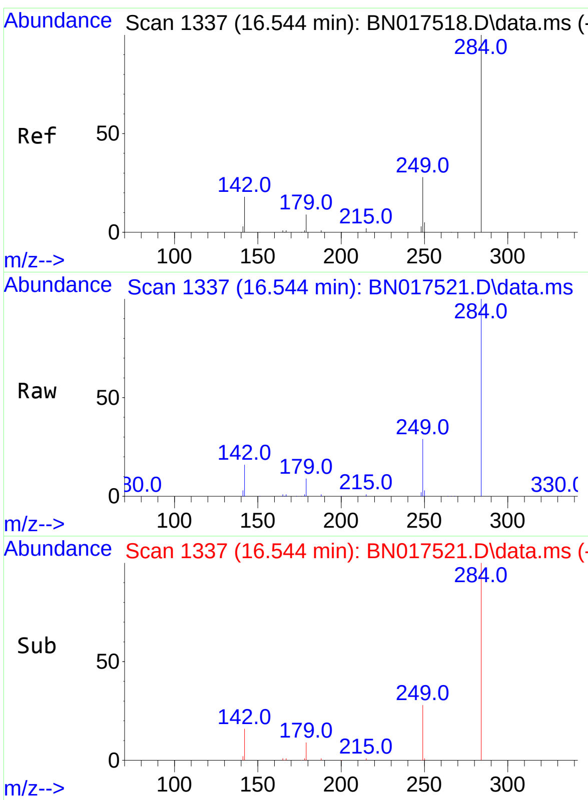
#21
4-Bromophenyl-phenylether
Concen: 3.283 ng
RT: 16.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 248344

Ion	Ratio	Lower	Upper
248	100		
250	98.5	71.8	107.8
141	49.7	70.9	106.3#

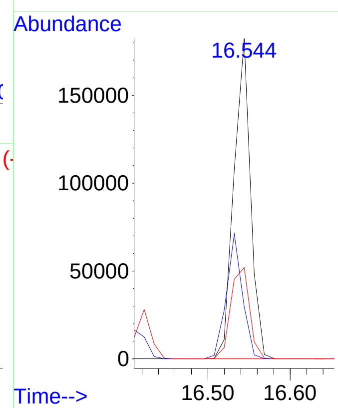


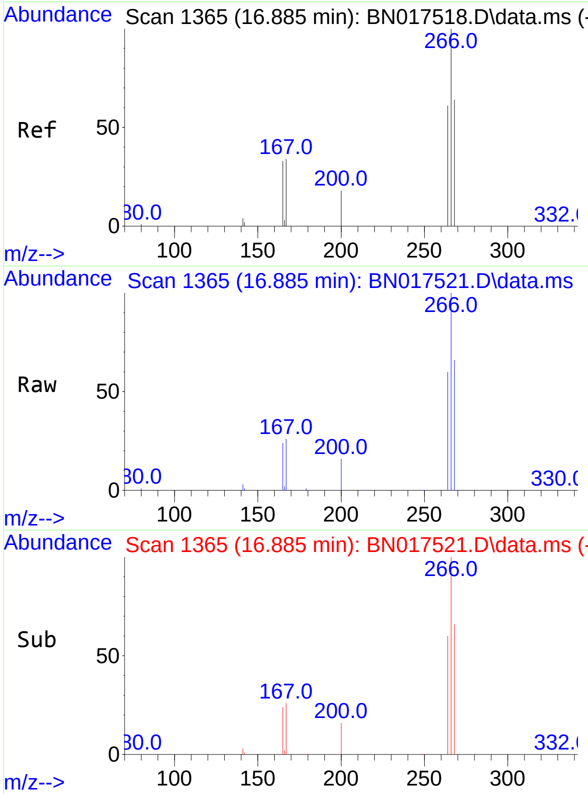


#22
Hexachlorobenzene
Concen: 3.007 ng
RT: 16.544 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:284 Resp: 257052

Ion	Ratio	Lower	Upper
284	100		
142	37.7	28.2	42.2
249	32.3	24.4	36.6



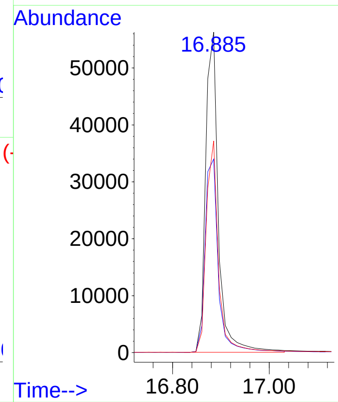


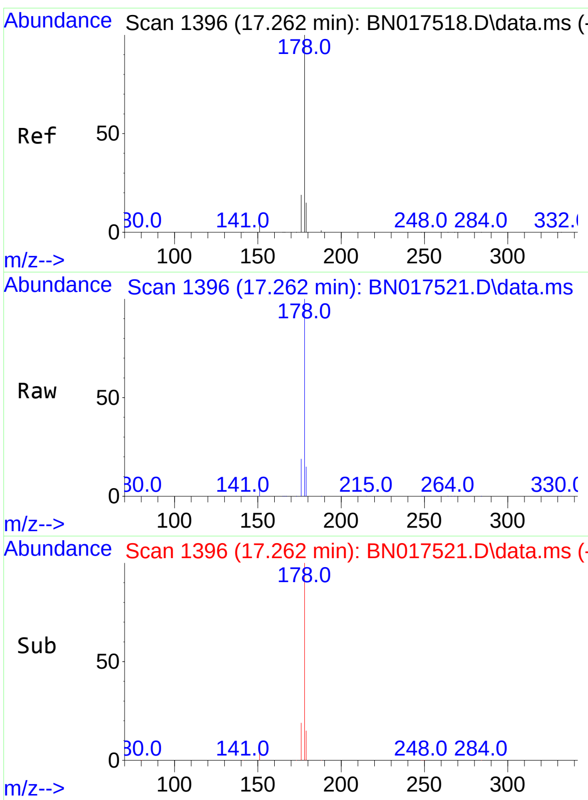
#24
Pentachlorophenol
Concen: 6.035 ng
RT: 16.885 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:266 Resp: 103132

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.8	74.8
268	63.6	51.3	76.9

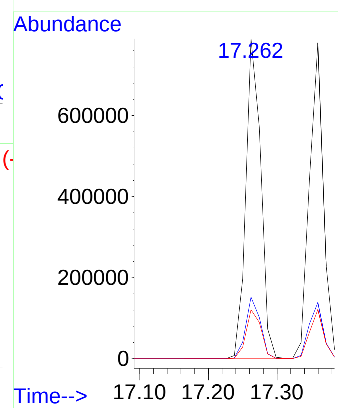


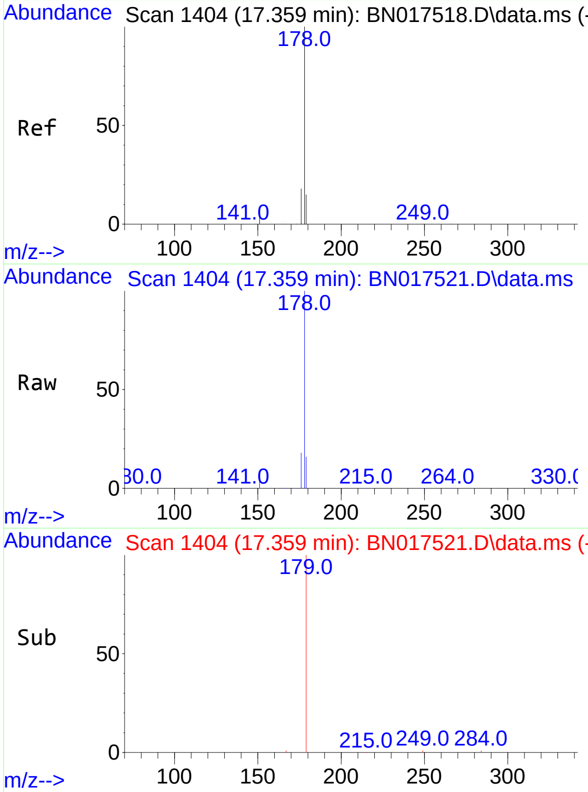


#25
Phenanthrene
Concen: 3.270 ng
RT: 17.262 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:178 Resp: 1199959

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.3	18.5





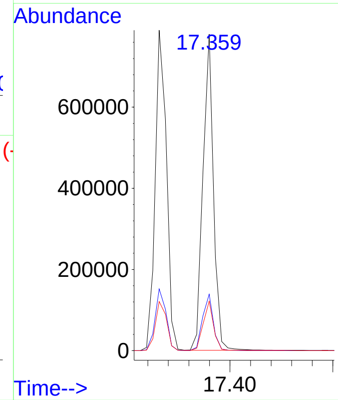
#26
Anthracene
Concen: 3.653 ng
RT: 17.359 min Scan# 1

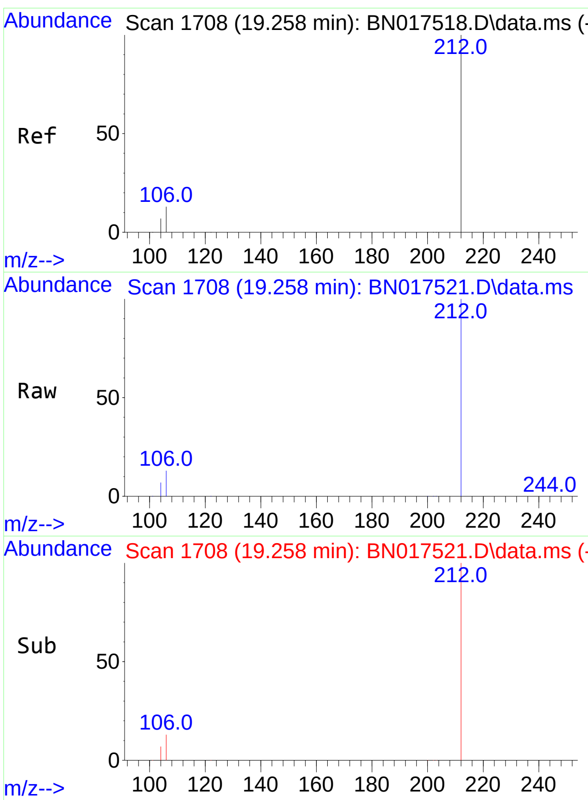
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 1112076

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.4	12.2	18.4

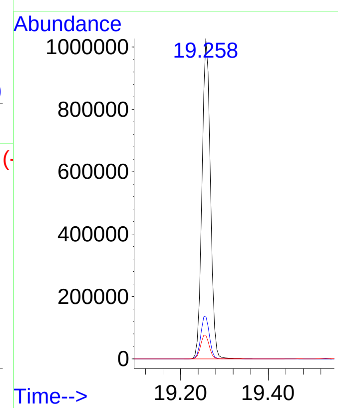


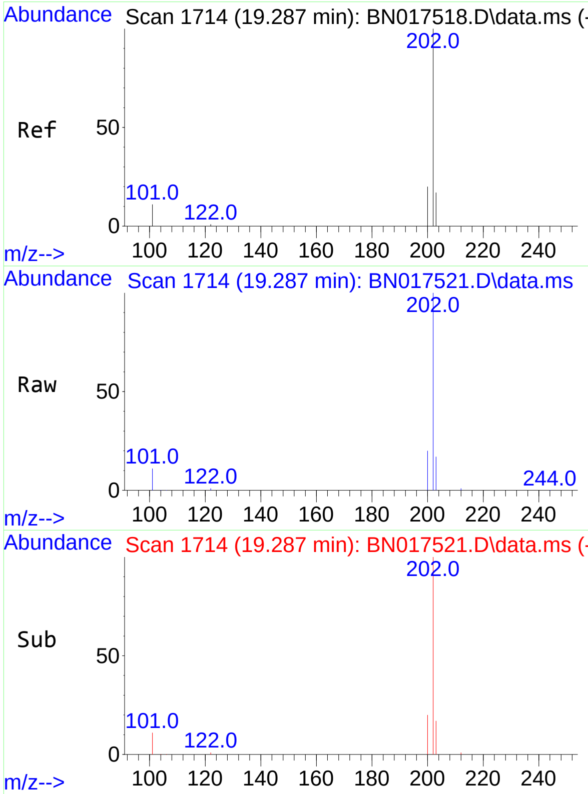


#27
Fluoranthene-d10
Concen: 3.428 ng
RT: 19.258 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:212 Resp: 1367336

Ion	Ratio	Lower	Upper
212	100		
106	13.7	10.5	15.7
104	7.7	5.8	8.6

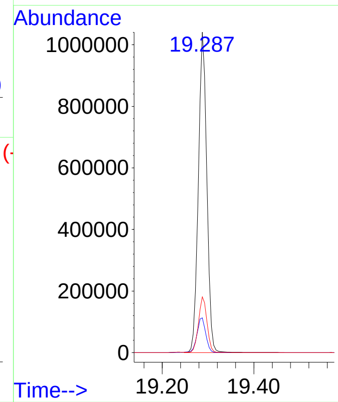


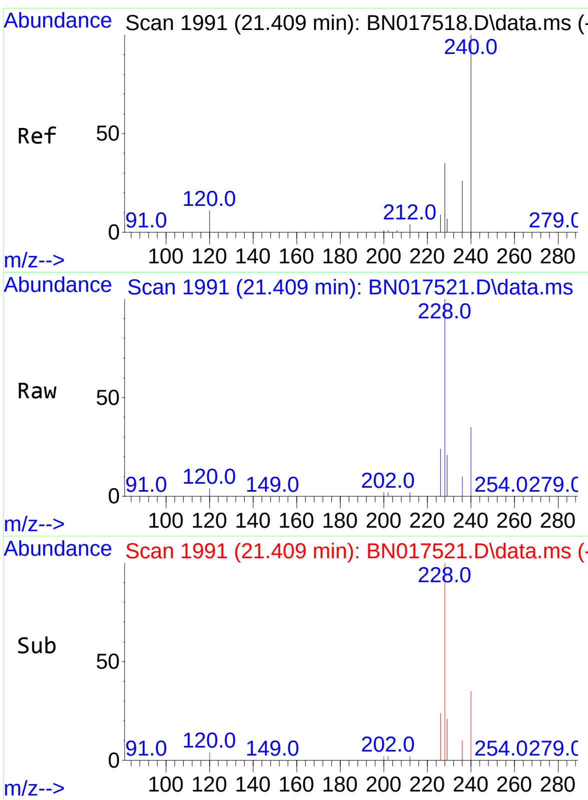



```
#28
Fluoranthene
Concen:    3.380 ng
RT:  19.287 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BN017521.D
Acq: 19 Nov 2021  13:30

Tgt Ion:202 Resp: 1330627
Ion  Ratio  Lower  Upper
202  100
101   11.4    8.9   13.3
203   17.5   13.8   20.6
```

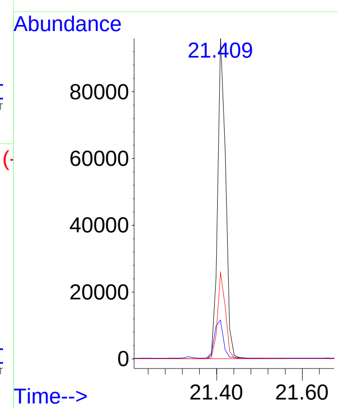
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

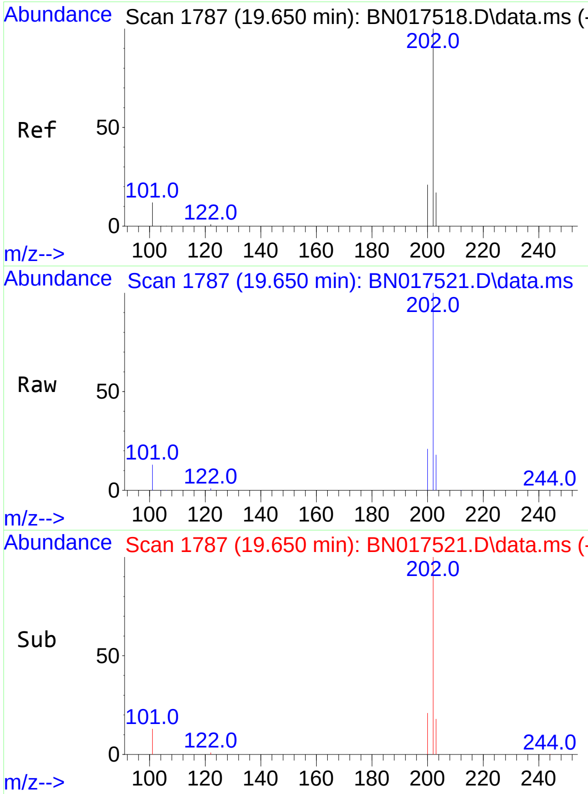





```
#29
Chrysene-d12
Concen:    0.400 ng
RT:  21.409 min  Scan# 1991
Delta R.T.  0.000 min
Lab File:   BN017521.D
Acq: 19 Nov 2021  13:30

Tgt Ion:240 Resp:  124278
Ion  Ratio  Lower  Upper
240  100
120   12.1    4.2    6.2#
236   26.9   20.0   30.0
```



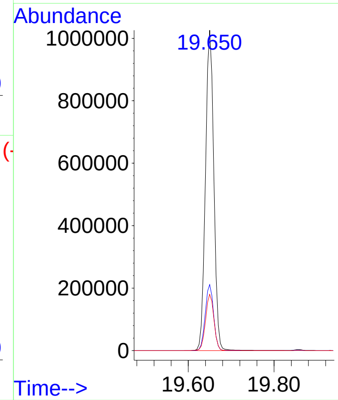


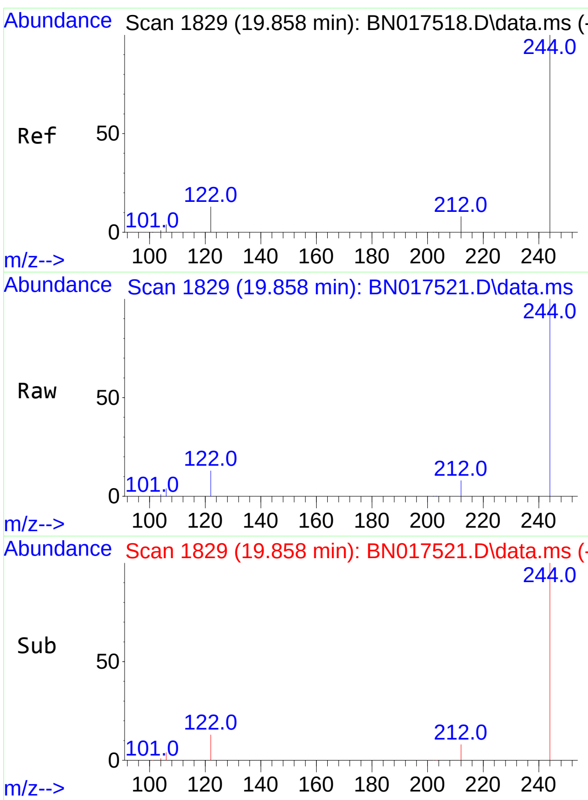
#30
Pyrene
Concen: 3.108 ng
RT: 19.650 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 1387733

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.6	14.0	21.0

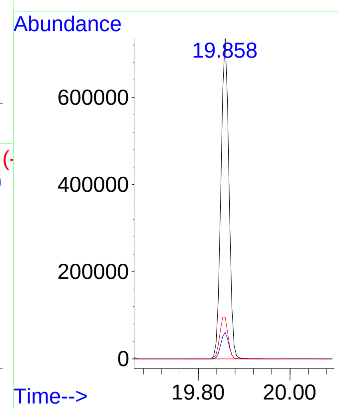


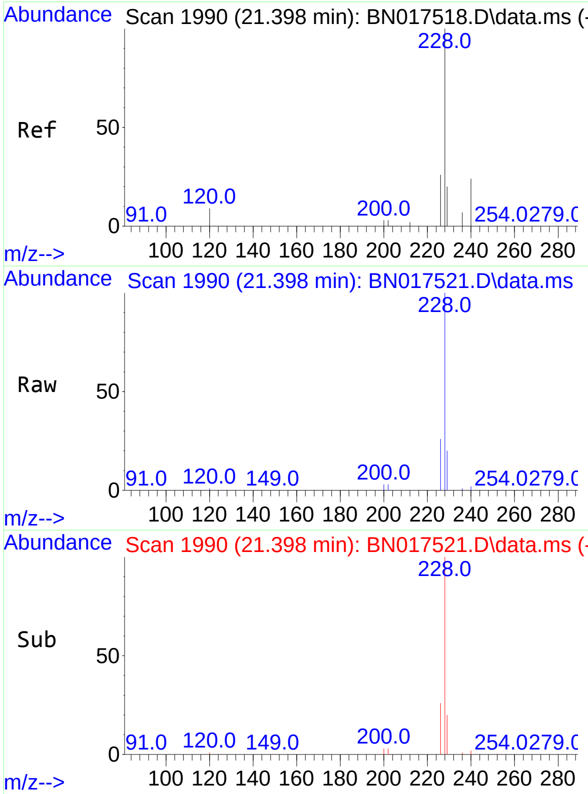


#31
Terphenyl-d14
Concen: 2.920 ng
RT: 19.858 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:244 Resp: 890862

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.7	8.5
122	13.0	8.6	13.0#



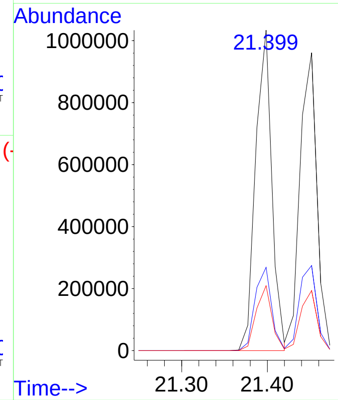


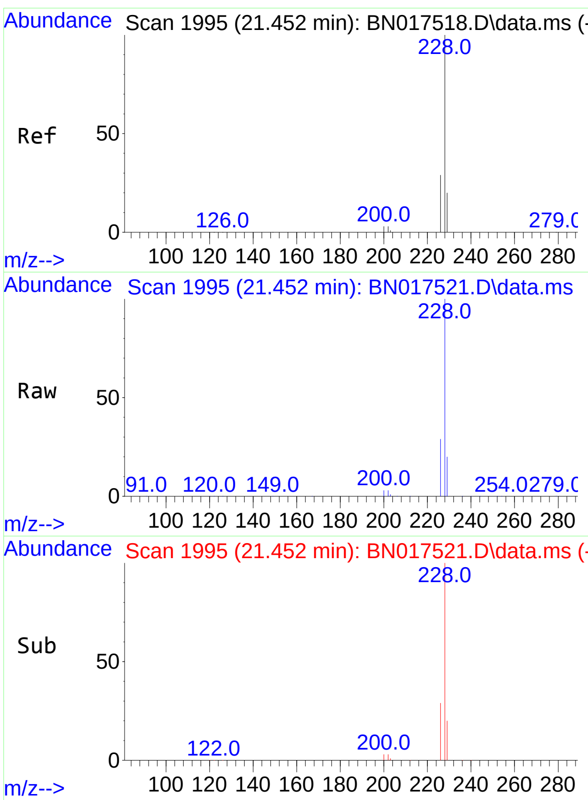
#32
Benzo(a)anthracene
Concen: 3.535 ng
RT: 21.398 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 1360012

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.3	31.9
229	20.2	15.7	23.5

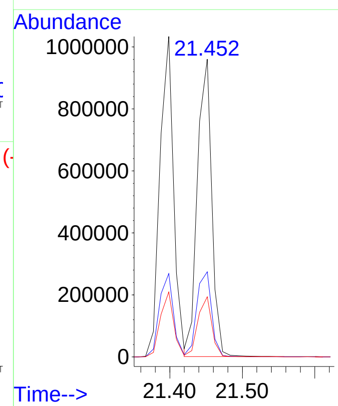


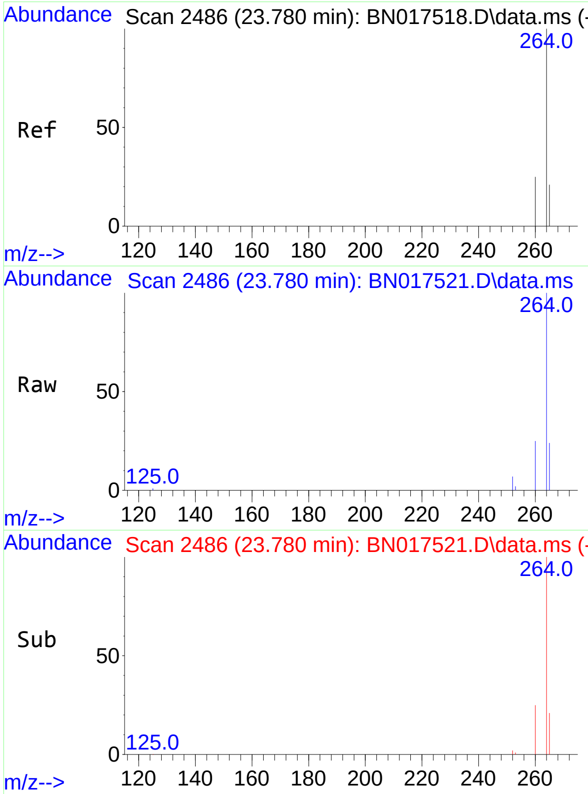


#33
Chrysene
Concen: 3.342 ng
RT: 21.452 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:228 Resp: 1322230

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.3	34.9
229	20.2	15.6	23.4



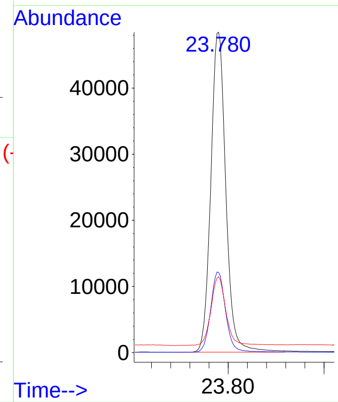


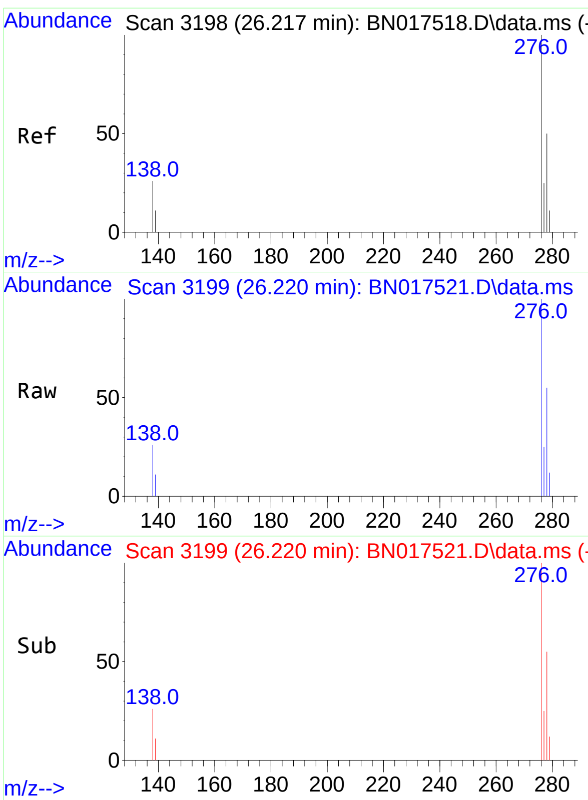
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.780 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 105398

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	23.7	18.6	28.0

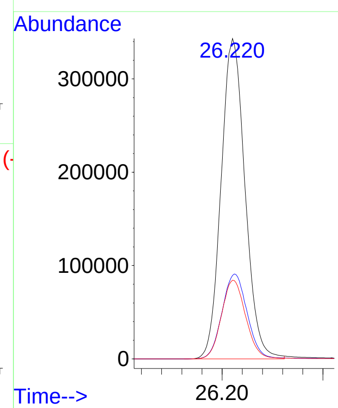


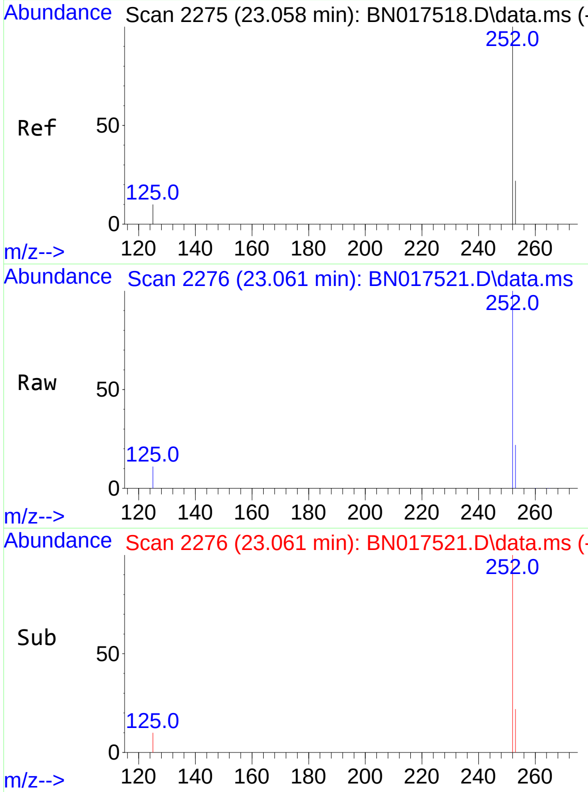


#36
Indeno(1,2,3-cd)pyrene
Concen: 4.651 ng
RT: 26.220 min Scan# 3199
Delta R.T. 0.003 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:276 Resp: 1131180

Ion	Ratio	Lower	Upper
276	100		
138	27.7	19.7	29.5
277	24.9	20.0	30.0



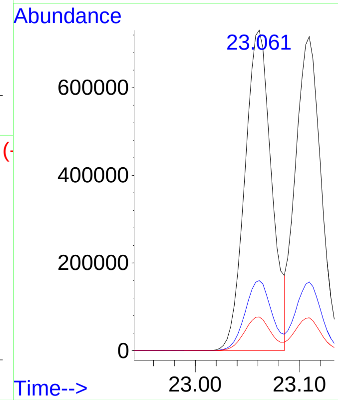


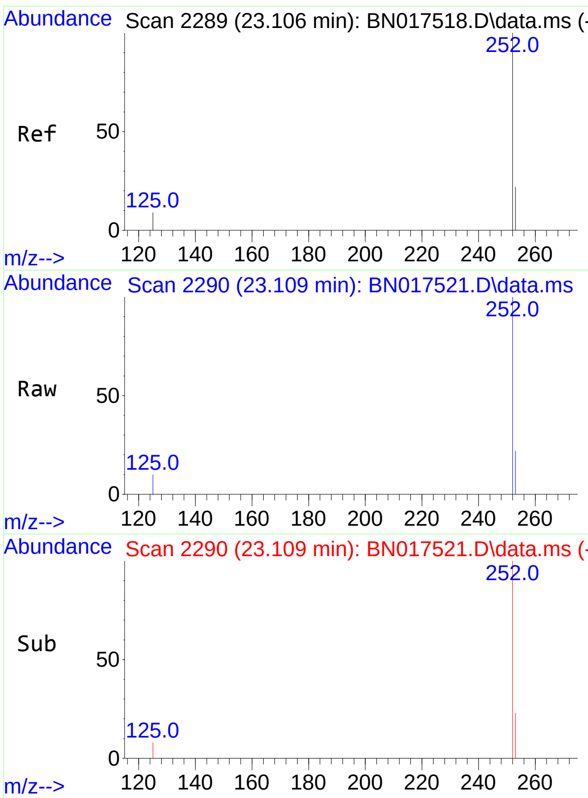
#37
Benzo(b)fluoranthene
Concen: 3.283 ng
RT: 23.061 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 1299705

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.5	7.8	11.8

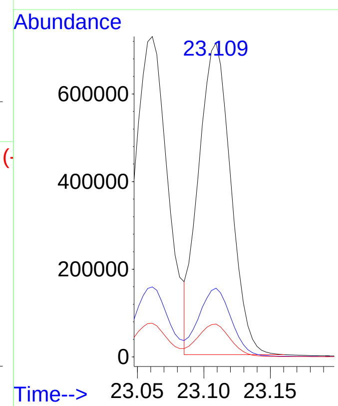


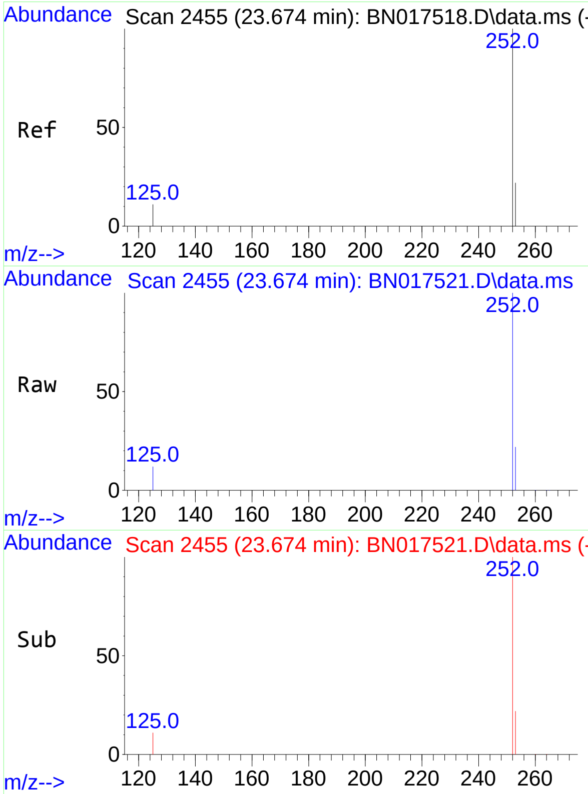


#38
Benzo(k)fluoranthene
Concen: 3.299 ng
RT: 23.109 min Scan# 2290
Delta R.T. 0.004 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Tgt Ion:252 Resp: 1200789

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.4	8.2	12.2



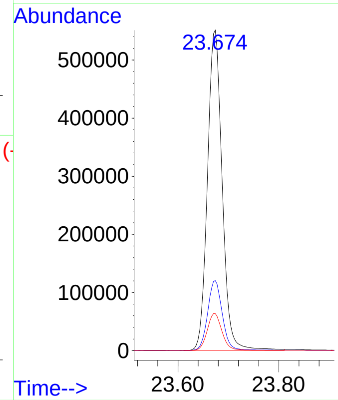


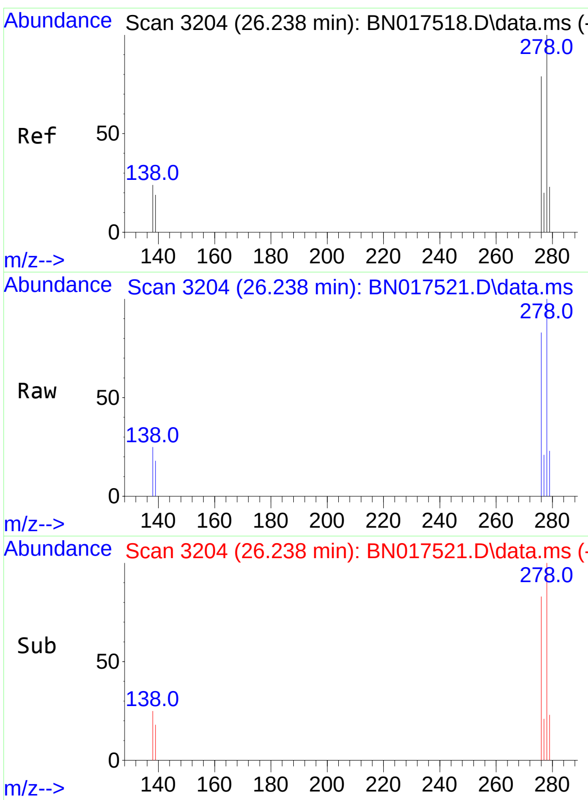
#39
Benzo(a)pyrene
Concen: 3.636 ng
RT: 23.674 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 1116632

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	11.5	9.2	13.8

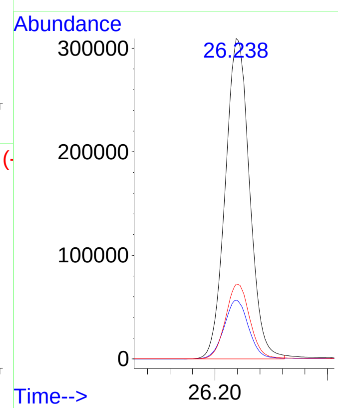


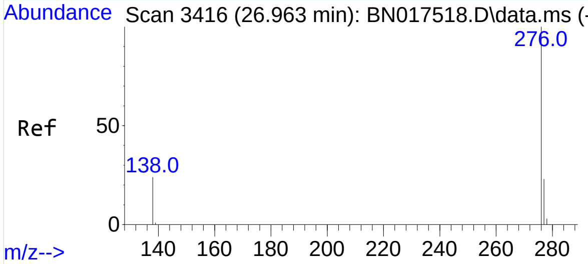


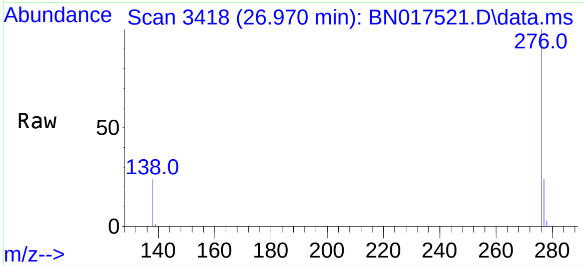
#40
Dibenzo(a,h)anthracene
Concen: 5.011 ng
RT: 26.238 min Scan# 3204
Delta R.T. 0.000 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

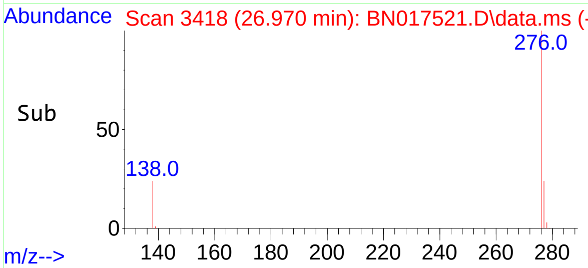
Tgt Ion:278 Resp: 927369

Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.0	19.6
279	23.4	19.2	28.8









#41
Benzo(g,h,i)perylene
Concen: 4.197 ng
RT: 26.970 min Scan# 34
Delta R.T. 0.007 min
Lab File: BN017521.D
Acq: 19 Nov 2021 13:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 960227

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	23.5	17.1	25.7