Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018174.D
Acq On : 23 Dec 2021 10:09
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Dec 23 13:16:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 13:14:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	22417	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	92216	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	52997	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	103412	0.400	ng	0.00
29) Chrysene-d12	21.195	240	91196	0.400	ng	# 0.00
35) Perylene-d12	23.423	264	88297	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.226	112	8475	0.174	ng	0.00
5) Phenol-d6	6.812	99	8724	0.179	ng	0.00
8) Nitrobenzene-d5	8.772	82	8737	0.134	ng	0.00
11) 2-Methylnaphthalene-d10	11.998	152	29062	0.190	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	2900	0.119	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	36680	0.199	ng	0.00
27) Fluoranthene-d10	19.033	212	55438	0.161	ng	0.00
31) Terphenyl-d14	19.644	244	37780	0.199	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.161	88	2566	0.184	ng	# 59
3) n-Nitrosodimethylamine	3.493	42	3279	0.157	ng	95
6) bis(2-Chloroethyl)ether	7.061	93	10354	0.180	ng	99
9) Naphthalene	10.445	128	42736	0.185	ng	99
10) Hexachlorobutadiene	10.749	225	11363	0.178	ng	# 100
12) 2-Methylnaphthalene	12.074	142	27788	0.192	ng	99
16) Acenaphthylene	13.977	152	30502	0.139	ng	100
17) Acenaphthene	14.319	154	25163	0.180	ng	99
18) Fluorene	15.309	166	29450	0.172	ng	99
20) 4,6-Dinitro-2-methylph...	15.423	198	333	0.034	ng	# 57
21) 4-Bromophenyl-phenylether	16.202	248	10429	0.167	ng	# 86
22) Hexachlorobenzene	16.312	284	13962	0.187	ng	100
23) Atrazine	16.482	200	5103	0.118	ng	97
24) Pentachlorophenol	16.677	266	1688	0.100	ng	98
25) Phenanthrene	17.042	178	50294	0.191	ng	100
26) Anthracene	17.127	178	35429	0.149	ng	100
28) Fluoranthene	19.063	202	55957	0.171	ng	100
30) Pyrene	19.425	202	55810	0.186	ng	100
32) Benzo(a)anthracene	21.174	228	41080	0.150	ng	98
33) Chrysene	21.227	228	55503	0.190	ng	100
34) Bis(2-ethylhexyl)phtha...	21.121	149	11661	0.087	ng	98
36) Indeno(1,2,3-cd)pyrene	25.685	276	41380	0.140	ng	99
37) Benzo(b)fluoranthene	22.752	252	46498	0.177	ng	100
38) Benzo(k)fluoranthene	22.796	252	49412	0.193	ng	98
39) Benzo(a)pyrene	23.323	252	42283	0.158	ng	97
40) Dibenzo(a,h)anthracene	25.706	278	28011	0.122	ng	98
41) Benzo(g,h,i)perylene	26.377	276	39815	0.144	ng	99

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

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
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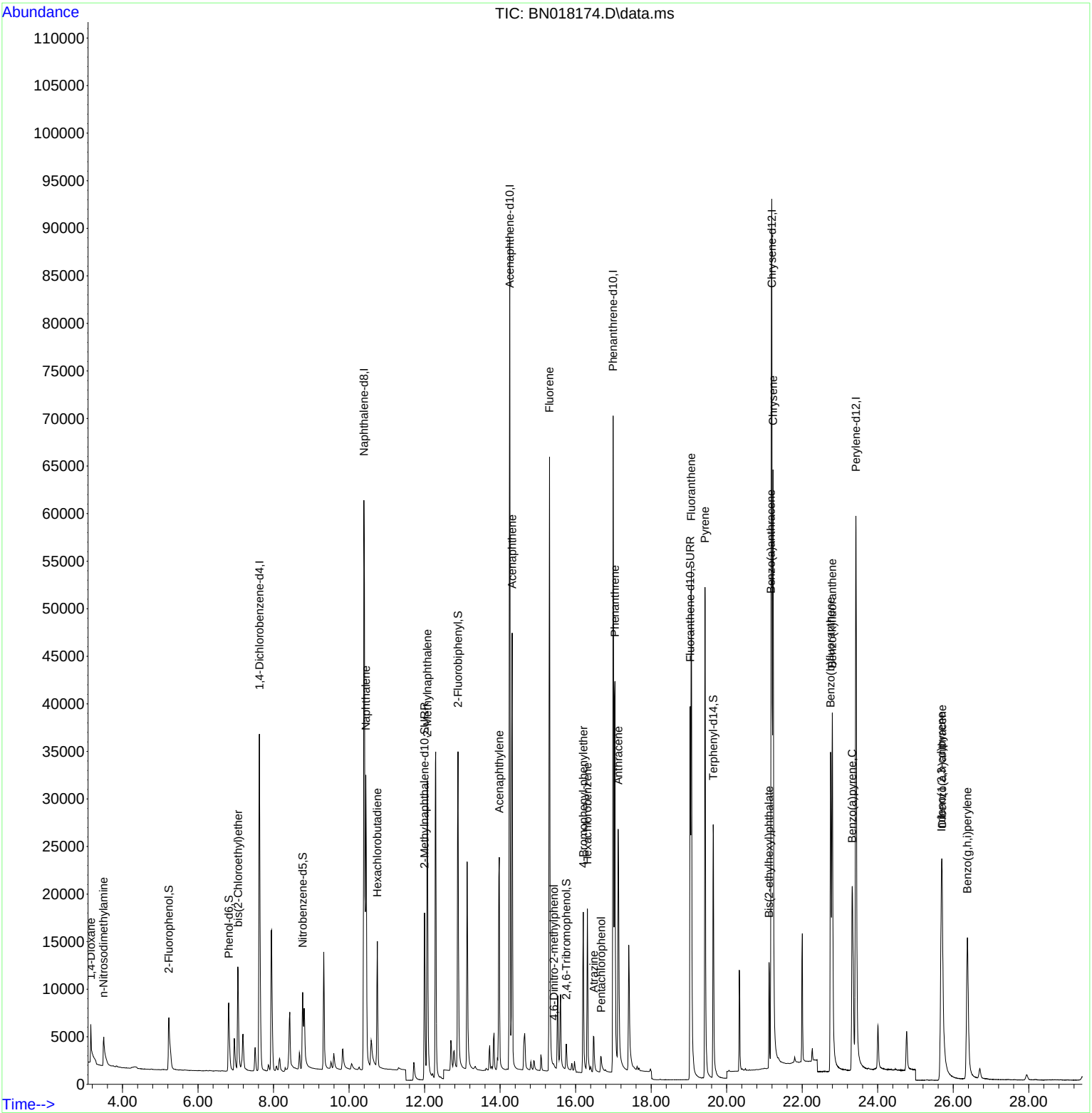
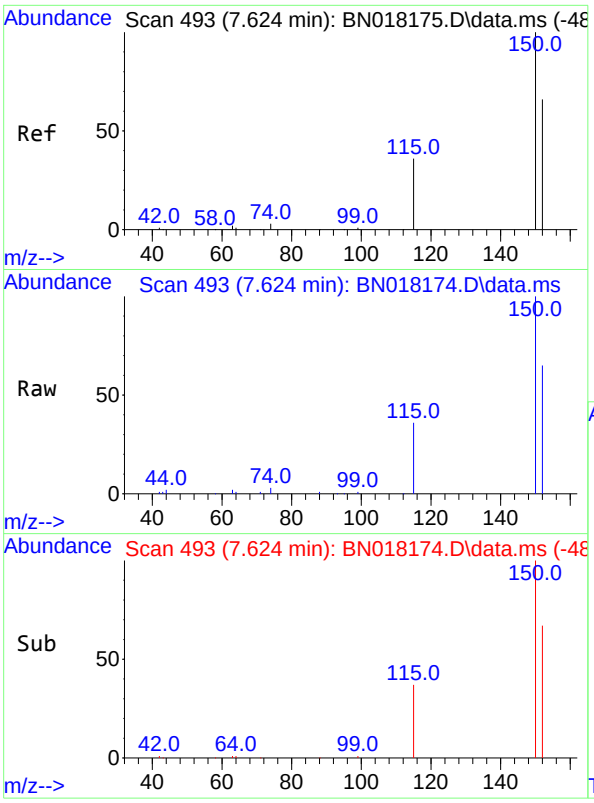
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 13:14:13 2021
Response via : Initial Calibration



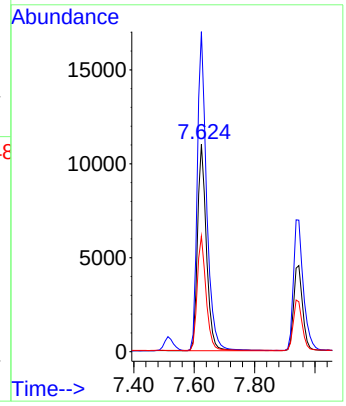


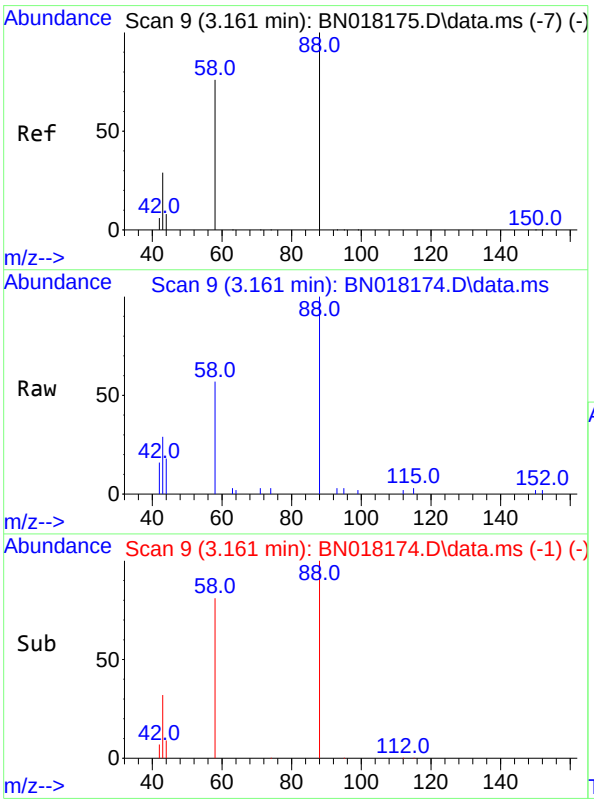
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 22417

Ion	Ratio	Lower	Upper
152	100		
150	154.3	121.7	182.5
115	55.7	43.8	65.8

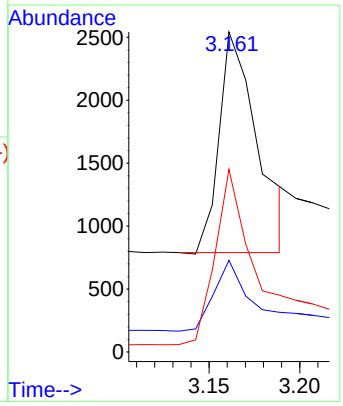


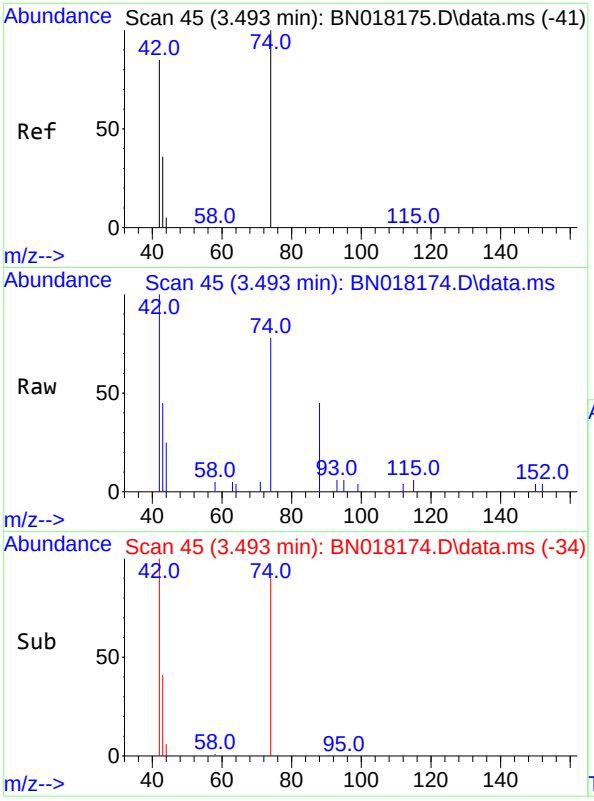


#2
1,4-Dioxane
Concen: 0.184 ng
RT: 3.161 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion: 88 Resp: 2566

Ion	Ratio	Lower	Upper
88	100		
43	31.4	69.7	104.5#
58	78.7	83.8	125.8#



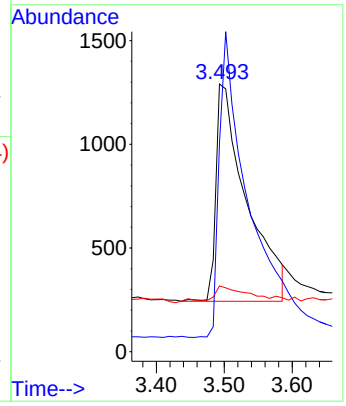


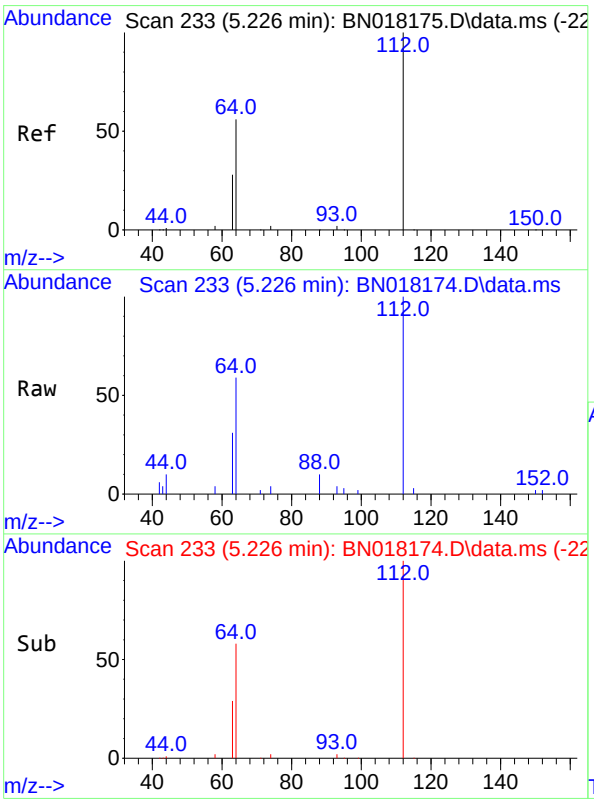
#3
n-Nitrosodimethylamine
Concen: 0.157 ng
RT: 3.493 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 3279

Ion	Ratio	Lower	Upper
42	100		
74	129.7	108.6	163.0
44	7.3	5.8	8.8

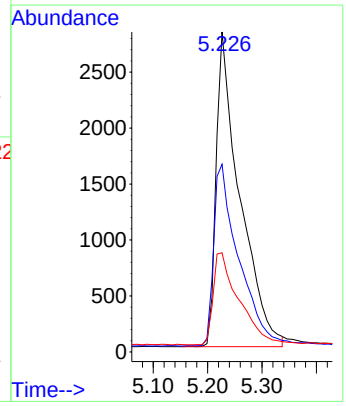


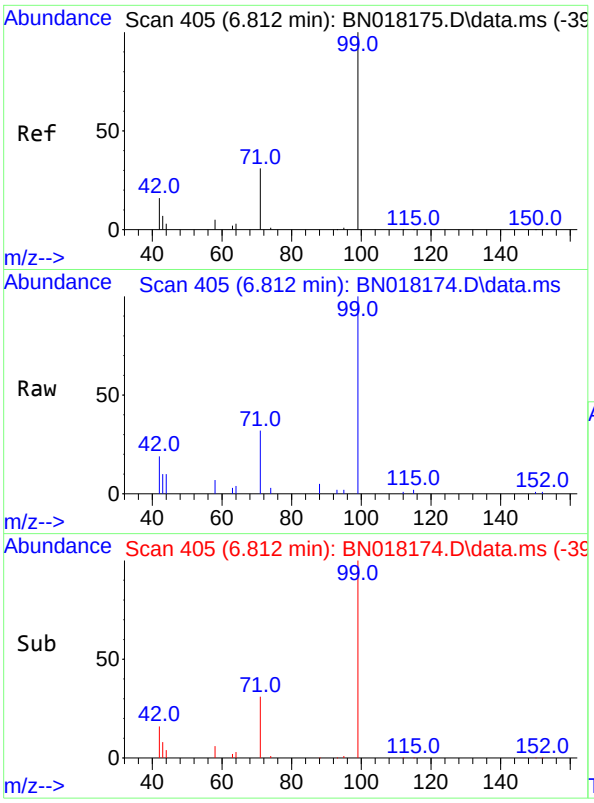


#4
2-Fluorophenol
Concen: 0.174 ng
RT: 5.226 min Scan# 233
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:112 Resp: 8475

Ion	Ratio	Lower	Upper
112	100		
64	61.1	48.0	72.0
63	31.8	25.3	37.9



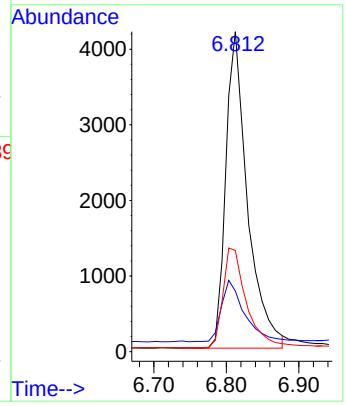


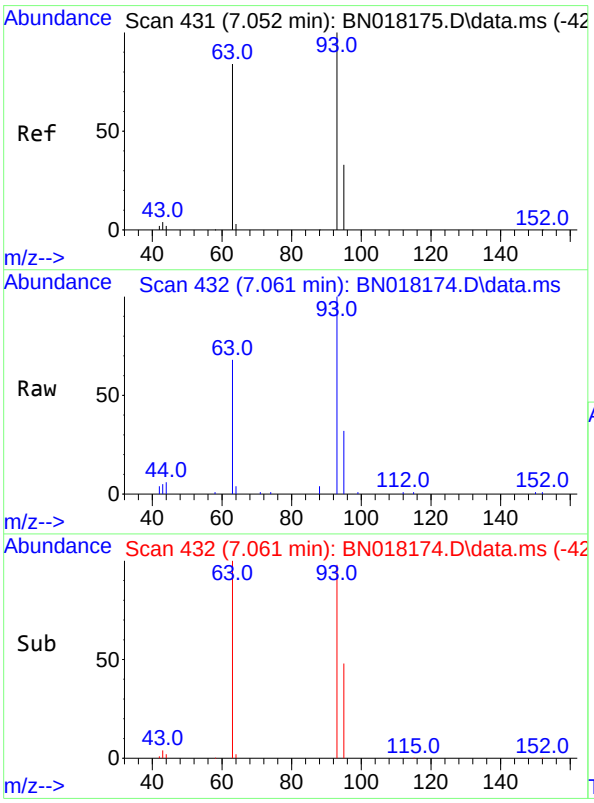
#5
Phenol-d6
Concen: 0.179 ng
RT: 6.812 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 8724

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.3	24.5
71	33.7	26.8	40.2

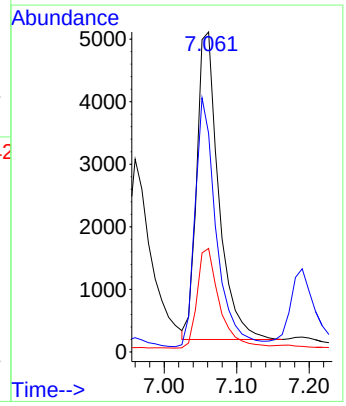


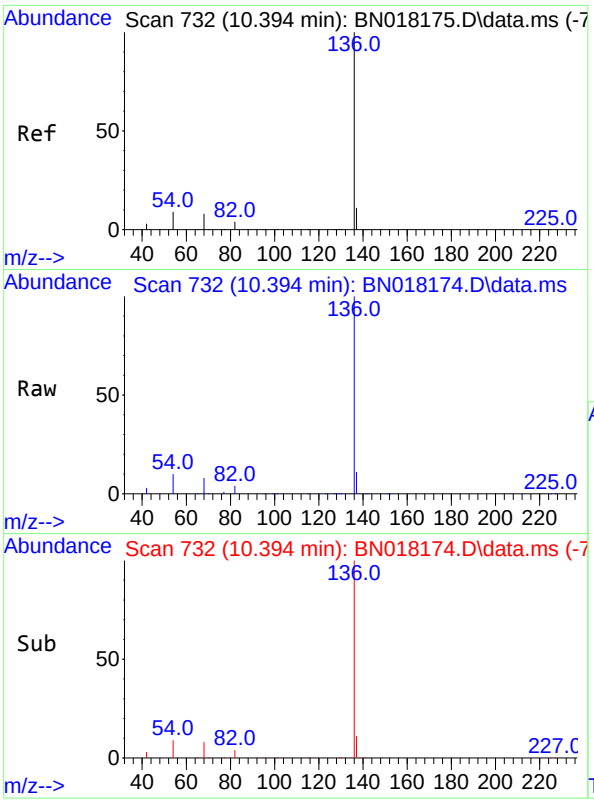


#6
bis(2-Chloroethyl)ether
Concen: 0.180 ng
RT: 7.061 min Scan# 432
Delta R.T. 0.009 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion: 93 Resp: 10354

Ion	Ratio	Lower	Upper
93	100		
63	78.1	61.7	92.5
95	33.0	26.2	39.4



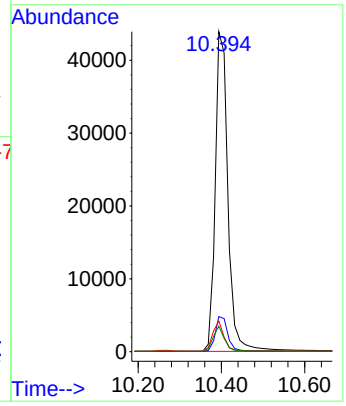


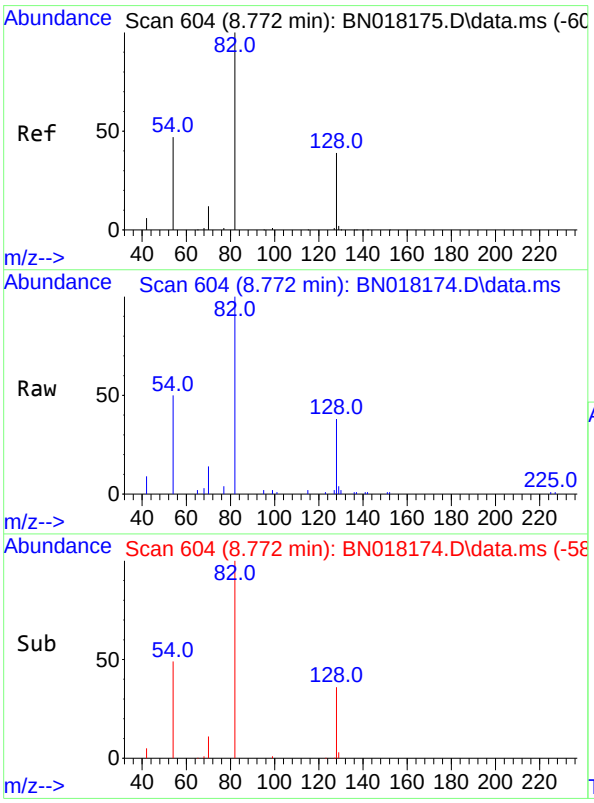
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 92216

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.6	5.0	7.6#
68	7.9	4.4	6.6#

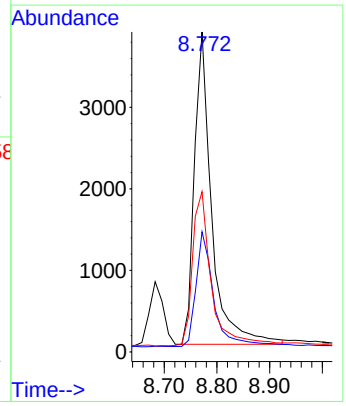


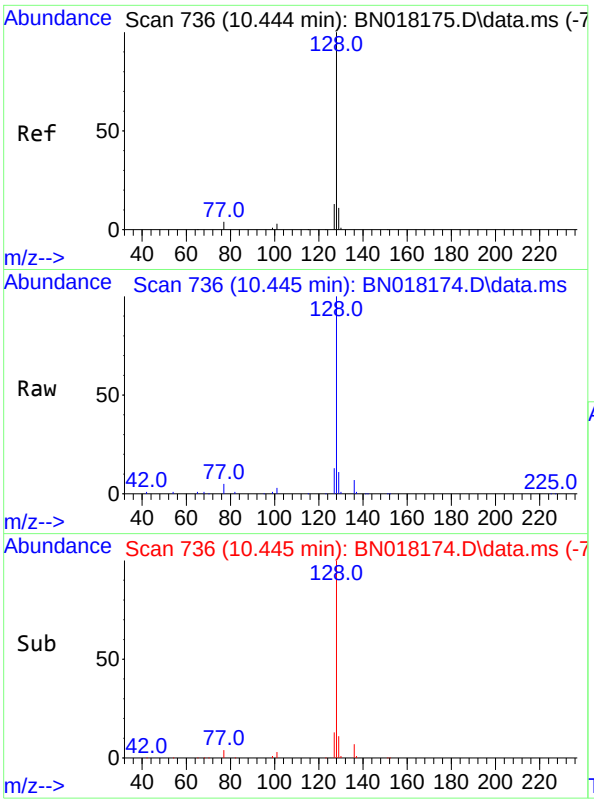


#8
Nitrobenzene-d5
Concen: 0.134 ng
RT: 8.772 min Scan# 604
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion: 82 Resp: 8737

Ion	Ratio	Lower	Upper
82	100		
128	37.6	33.7	50.5
54	50.1	36.6	55.0



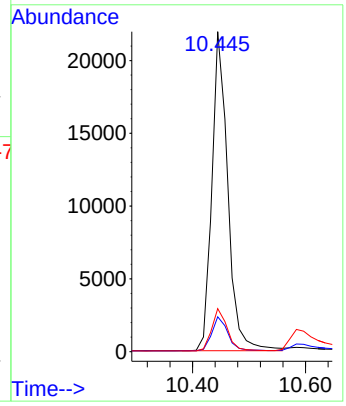


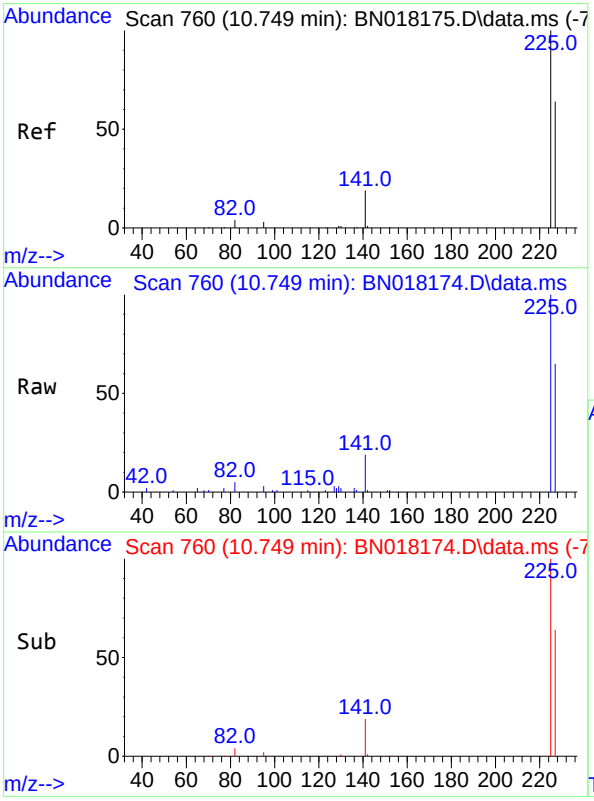
#9
Naphthalene
Concen: 0.185 ng
RT: 10.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 42736

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.4	15.6

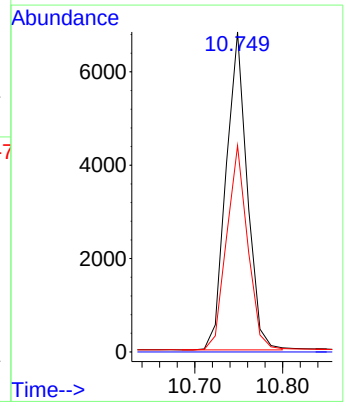


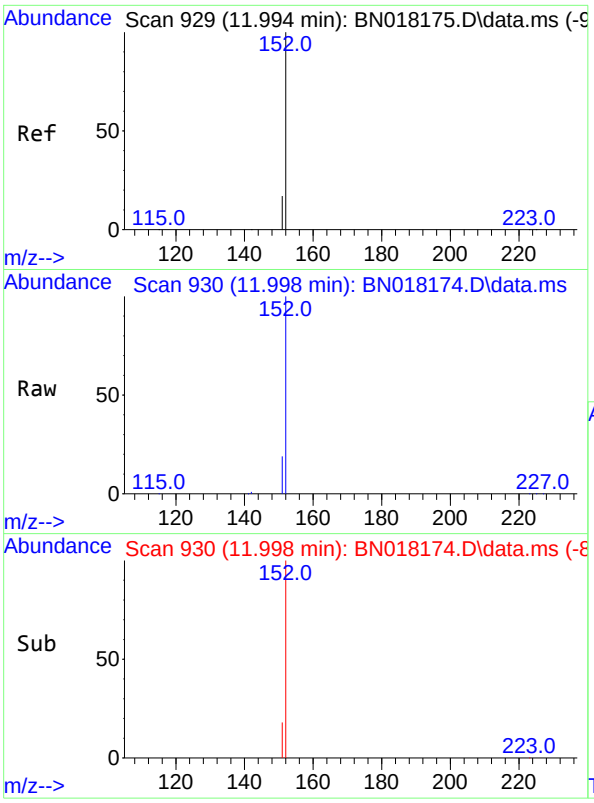


#10
Hexachlorobutadiene
Concen: 0.178 ng
RT: 10.749 min Scan# 760
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:225 Resp: 11363

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.0	76.6



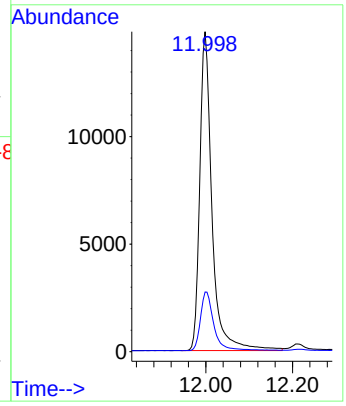


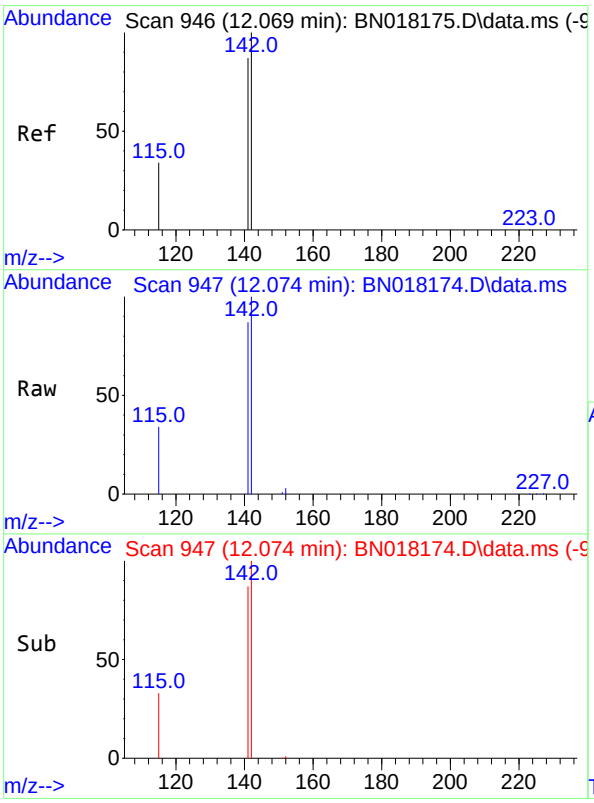
#11
2-Methylnaphthalene-d10
Concen: 0.190 ng
RT: 11.998 min Scan# 9
Delta R.T. 0.005 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 29062

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2

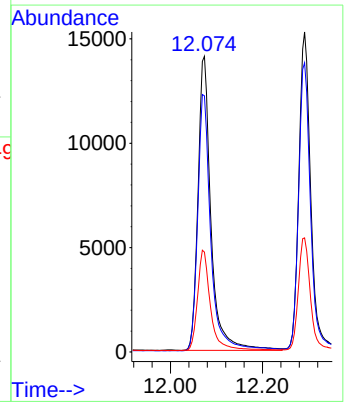


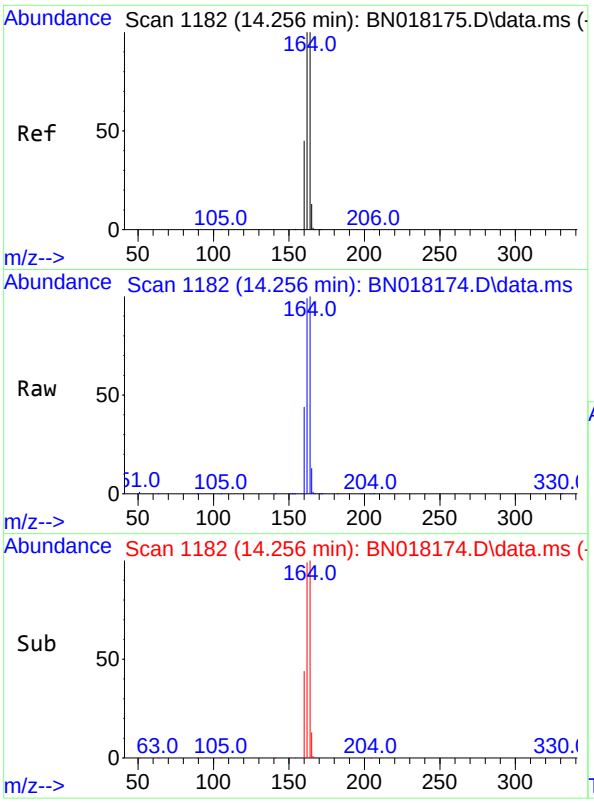


#12
2-Methylnaphthalene
Concen: 0.192 ng
RT: 12.074 min Scan# 947
Delta R.T. 0.005 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:142 Resp: 27788

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.0	105.0
115	33.8	27.8	41.8



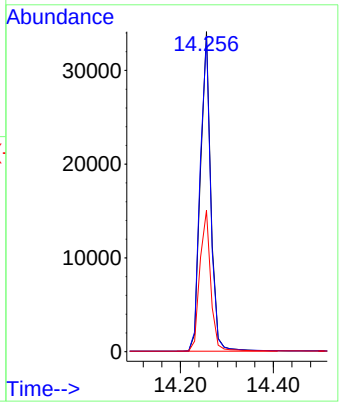


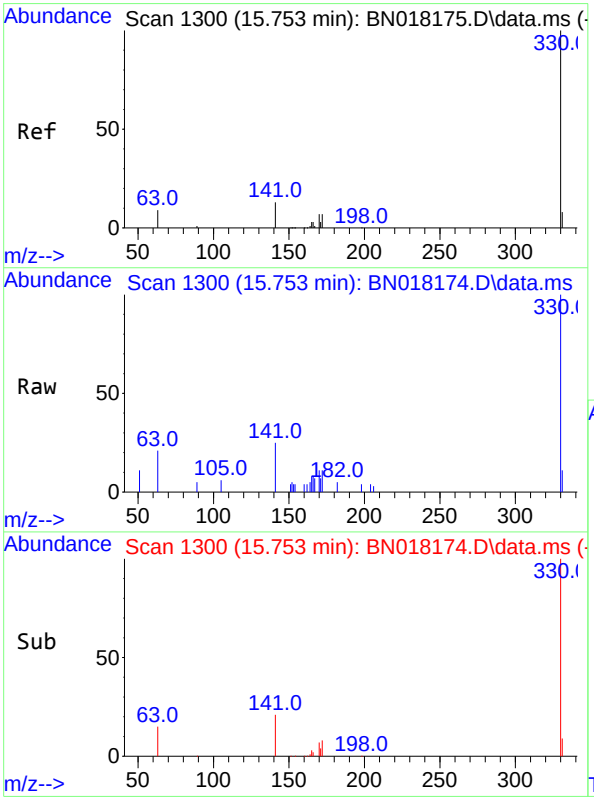
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 52997

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.2	120.2
160	44.2	36.9	55.3

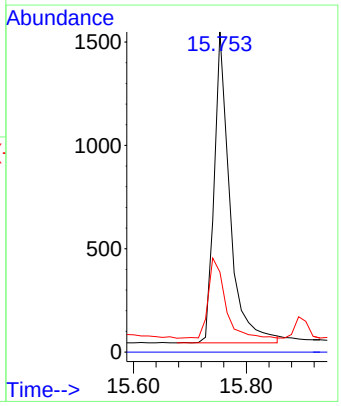


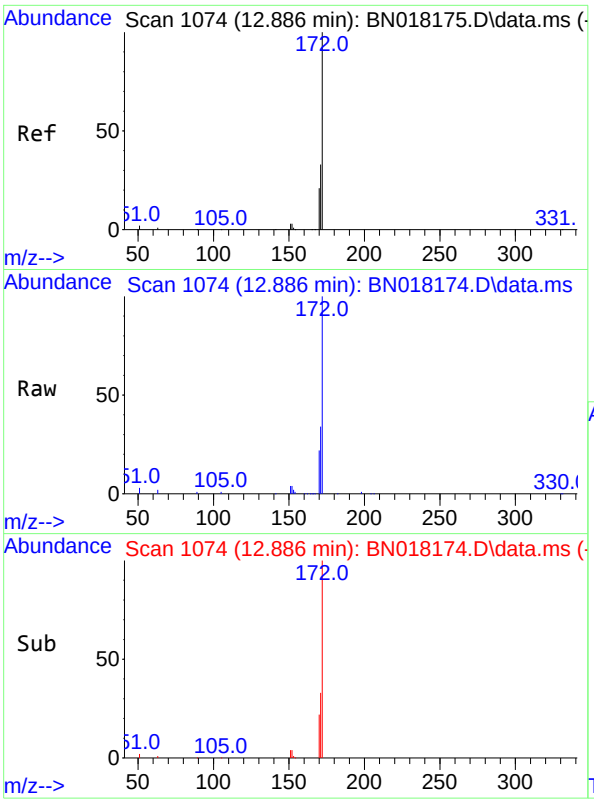


#14
2,4,6-Tribromophenol
Concen: 0.119 ng
RT: 15.753 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:330 Resp: 2900

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	27.1	21.3	31.9



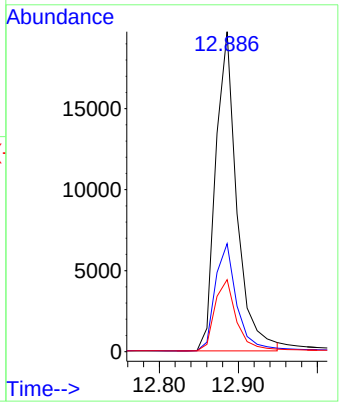


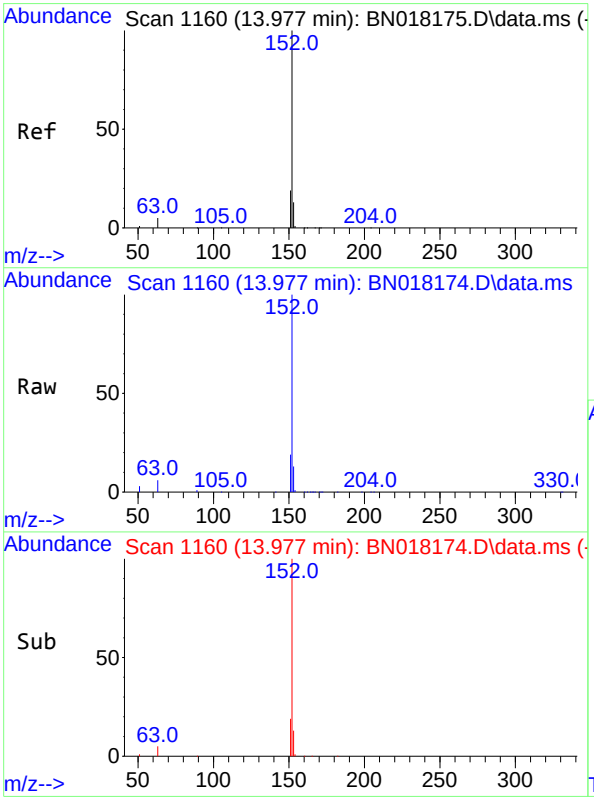
#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 12.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 36680

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.4	41.0
170	22.5	18.4	27.6

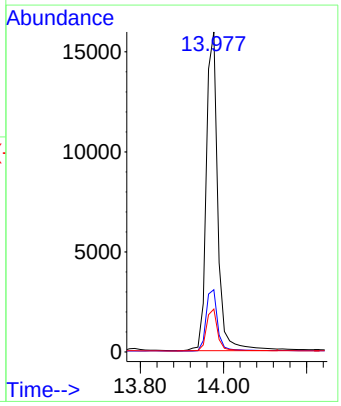


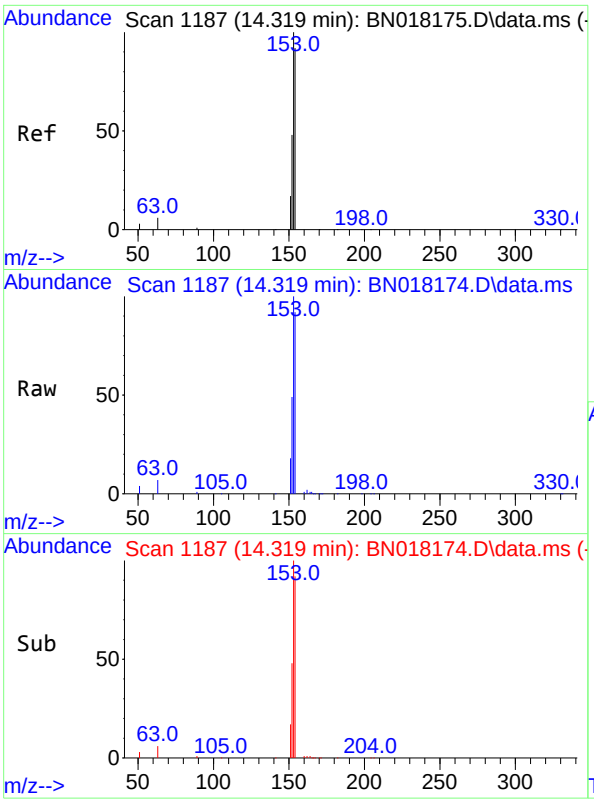


#16
Acenaphthylene
Concen: 0.139 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:152 Resp: 30502

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.5	15.7



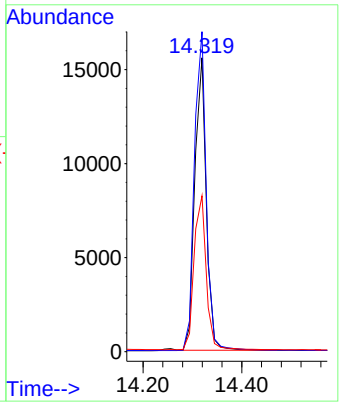


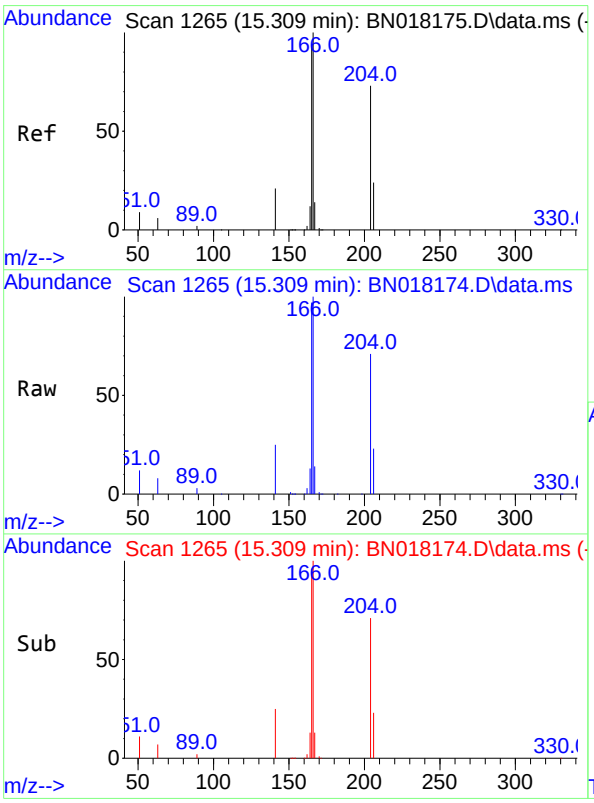
#17
Acenaphthene
Concen: 0.180 ng
RT: 14.319 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 25163

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.9	136.3
152	56.0	45.0	67.4

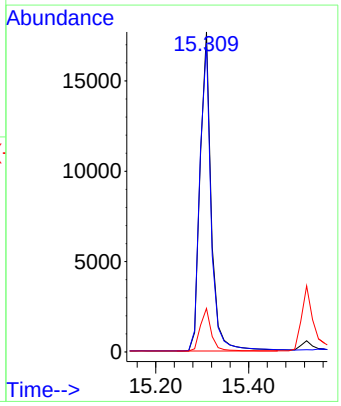


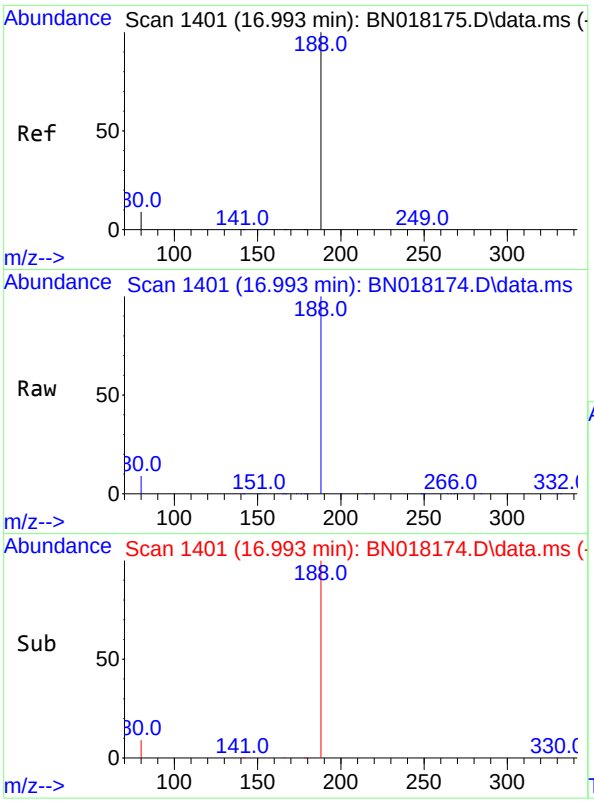


#18
Fluorene
Concen: 0.172 ng
RT: 15.309 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:166 Resp: 29450

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.4	10.9	16.3



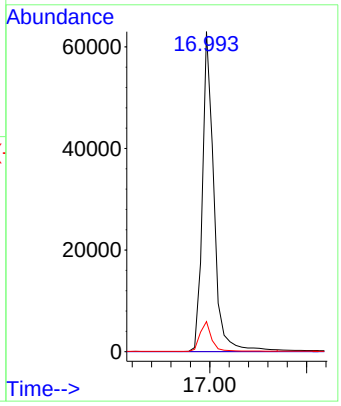


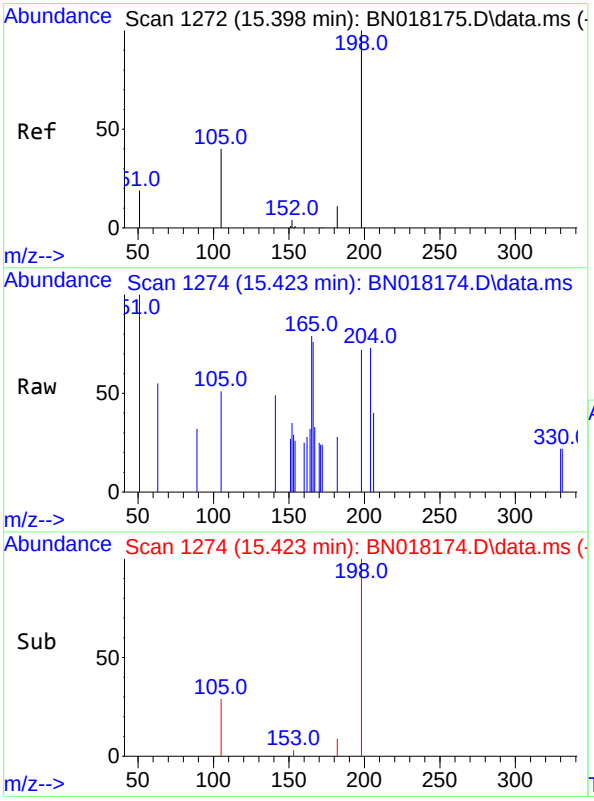
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 103412

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.0	10.4

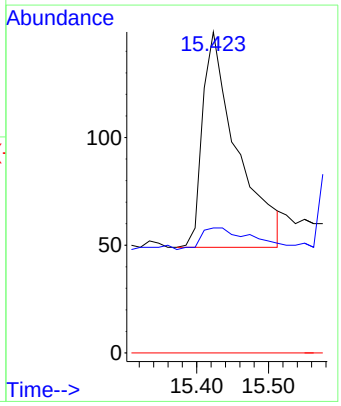


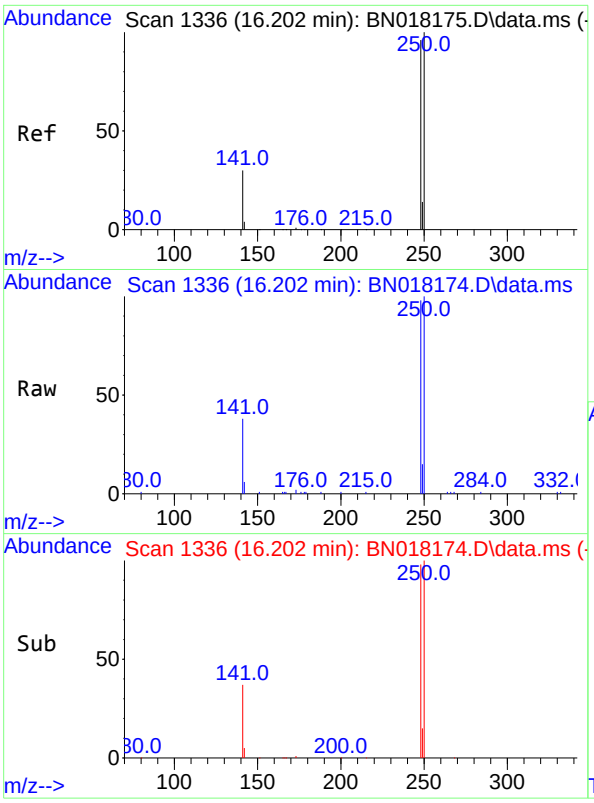


#20
4,6-Dinitro-2-methylphenol
Concen: 0.034 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.025 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:198 Resp: 333

Ion	Ratio	Lower	Upper
198	100		
182	38.9	15.5	23.3#
77	0.0	0.0	0.0



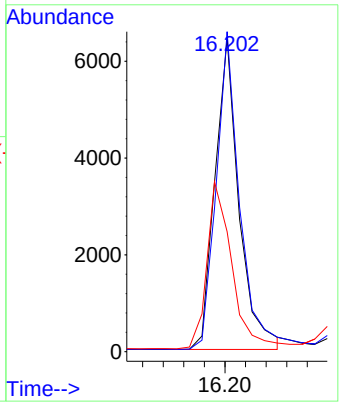


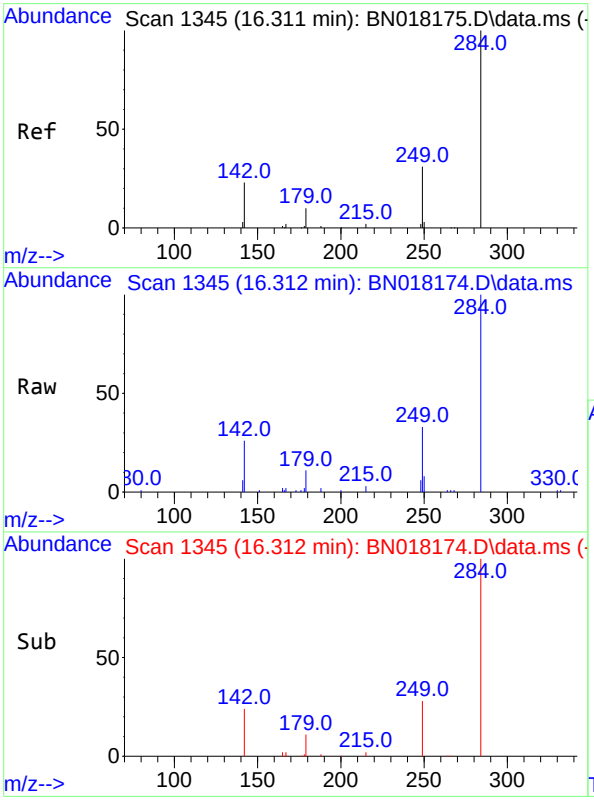
#21
4-Bromophenyl-phenylether
Concen: 0.167 ng
RT: 16.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 10429

Ion	Ratio	Lower	Upper
248	100		
250	101.9	74.4	111.6
141	38.2	43.7	65.5#

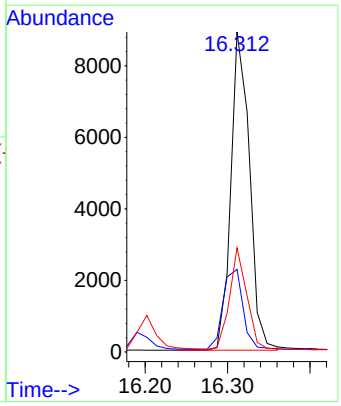


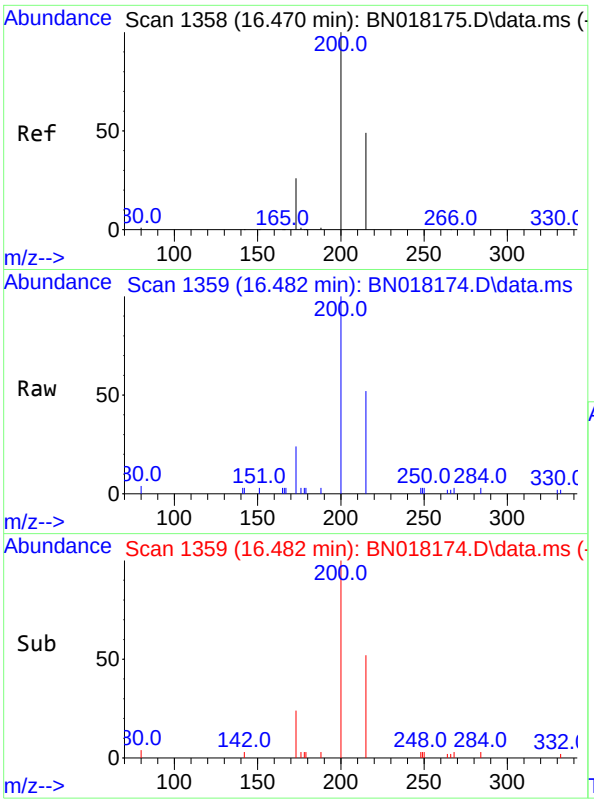


#22
Hexachlorobenzene
Concen: 0.187 ng
RT: 16.312 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:284 Resp: 13962

Ion	Ratio	Lower	Upper
284	100		
142	27.2	21.6	32.4
249	29.3	23.5	35.3



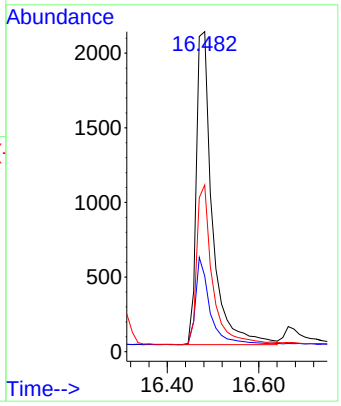


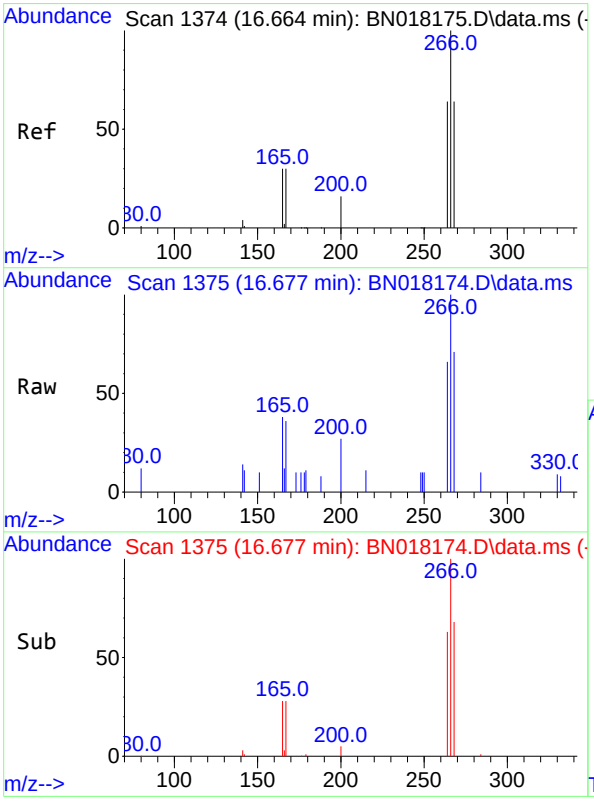
#23
Atrazine
Concen: 0.118 ng
RT: 16.482 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 5103

Ion	Ratio	Lower	Upper
200	100		
173	23.6	20.3	30.5
215	52.1	40.4	60.6

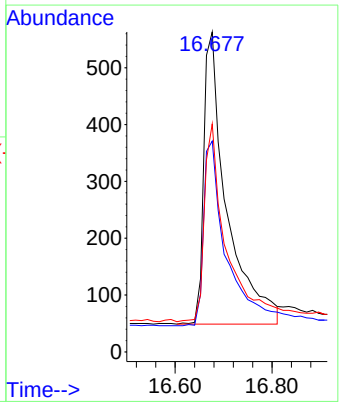


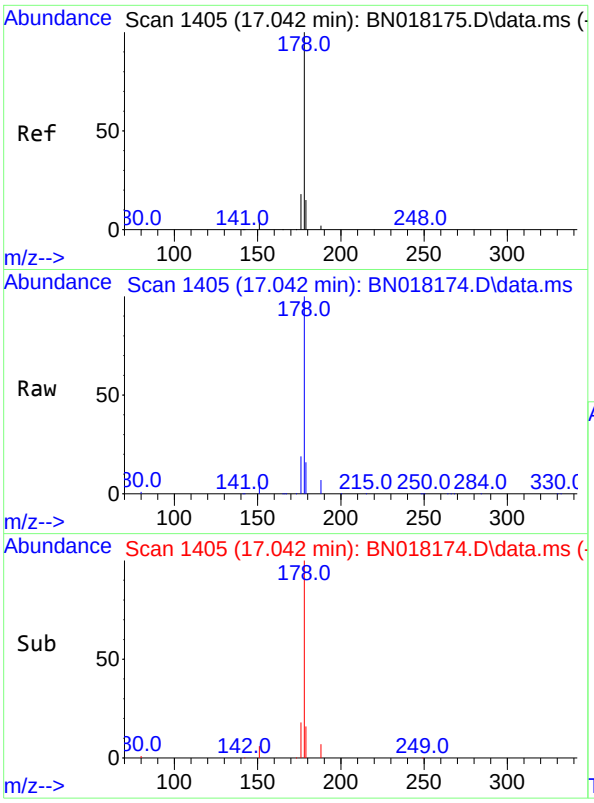


#24
Pentachlorophenol
Concen: 0.100 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.012 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:266 Resp: 1688

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.5	74.3
268	64.6	50.6	76.0



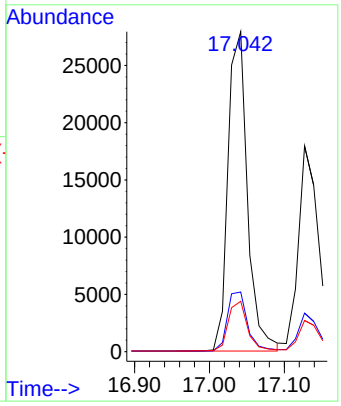


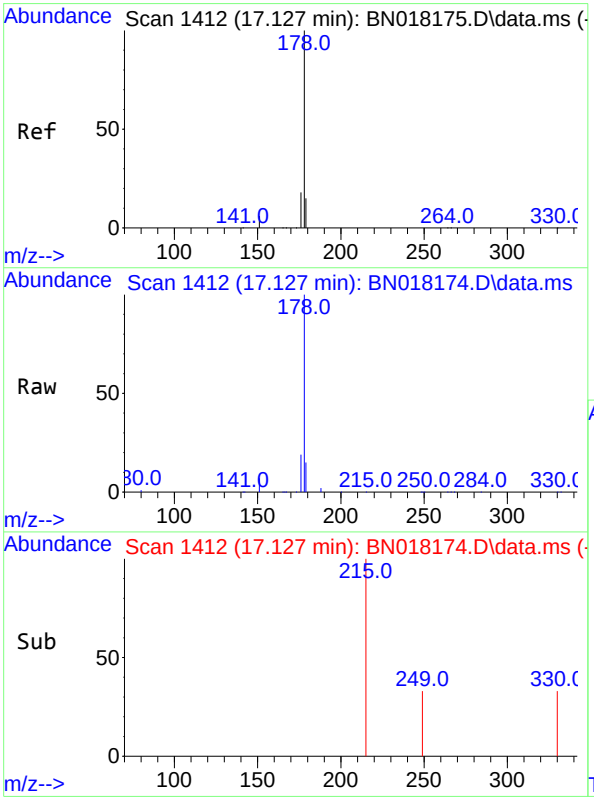
#25
Phenanthrene
Concen: 0.191 ng
RT: 17.042 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 50294

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.3	18.5

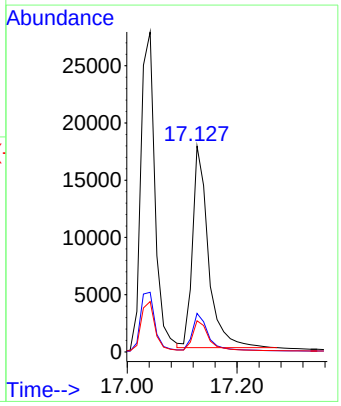


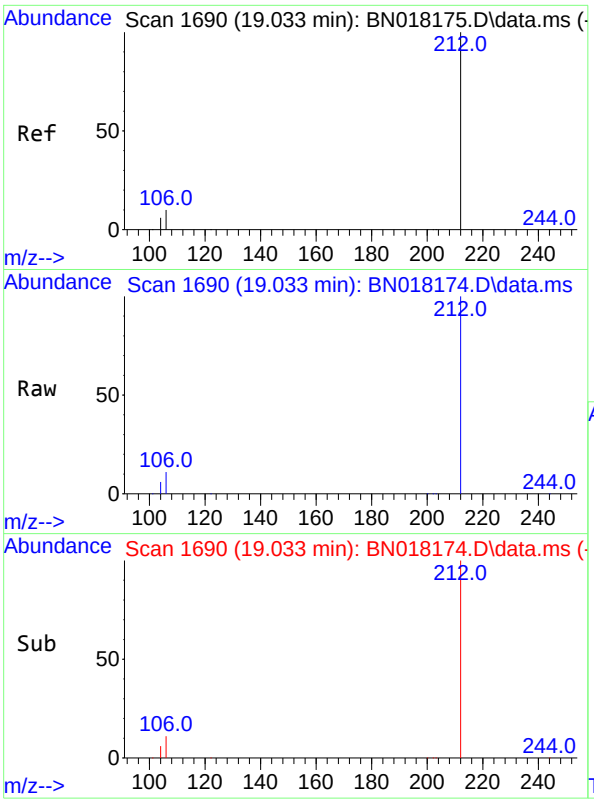


#26
Anthracene
Concen: 0.149 ng
RT: 17.127 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:178 Resp: 35429

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.0	12.2	18.4



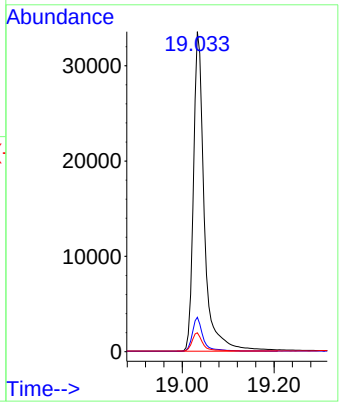


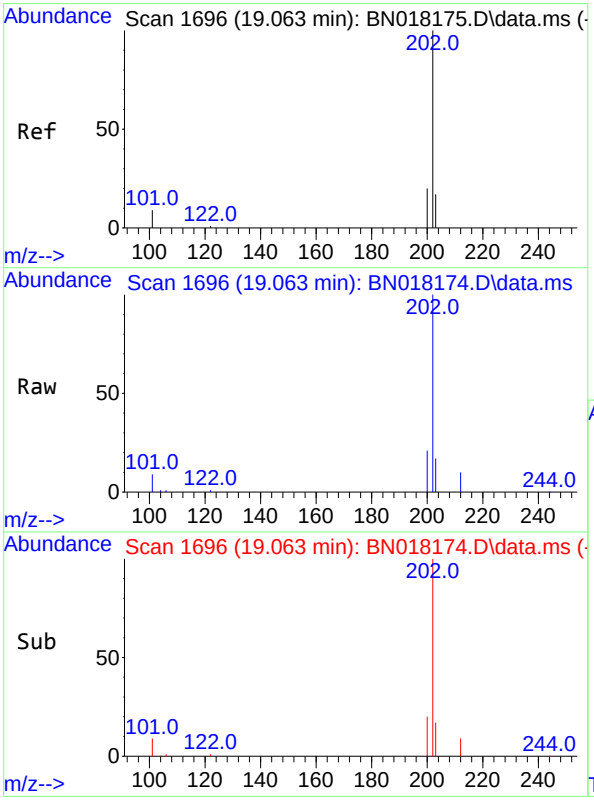
#27
Fluoranthene-d10
Concen: 0.161 ng
RT: 19.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 55438

Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.4	12.6
104	5.7	4.5	6.7

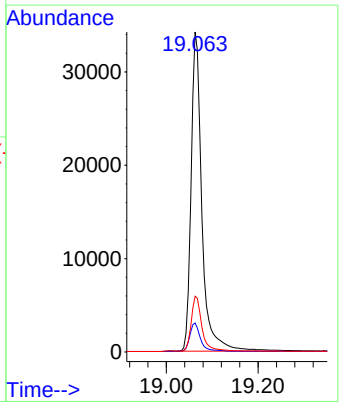


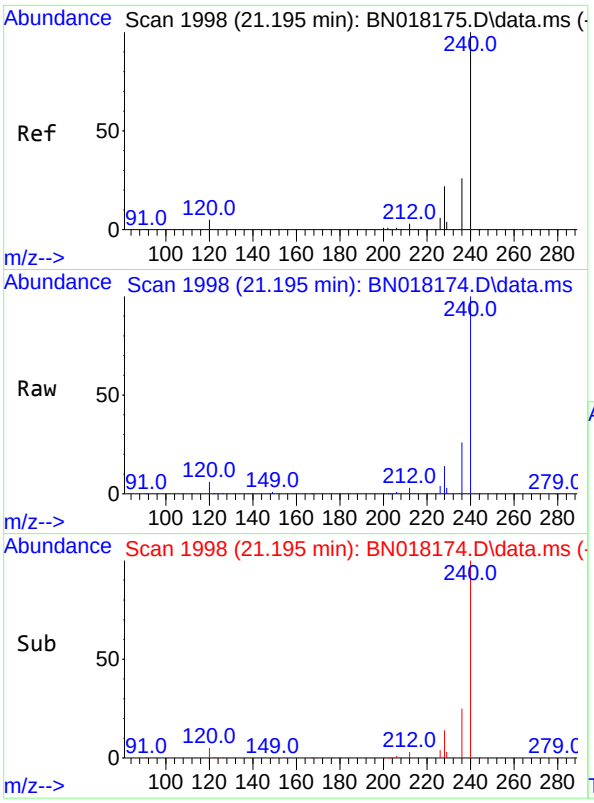


#28
Fluoranthene
Concen: 0.171 ng
RT: 19.063 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:202 Resp: 55957

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.2	10.8
203	17.1	13.7	20.5



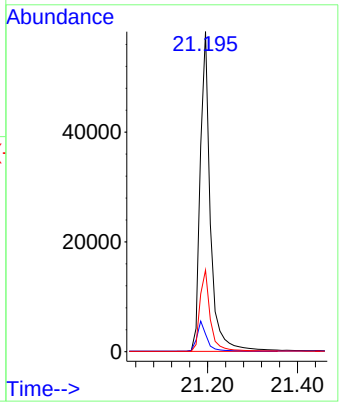


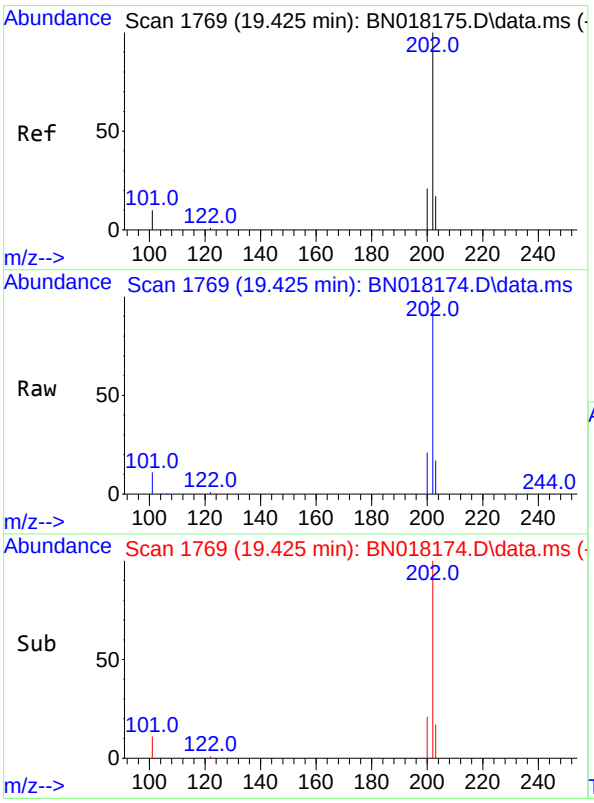
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 91196

Ion	Ratio	Lower	Upper
240	100		
120	5.5	6.0	9.0#
236	25.5	21.4	32.2

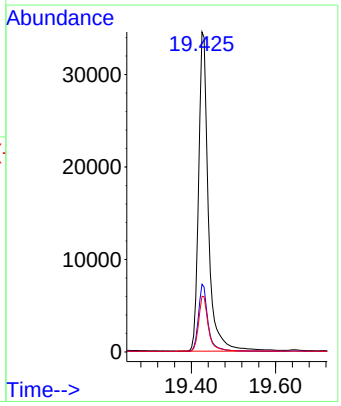


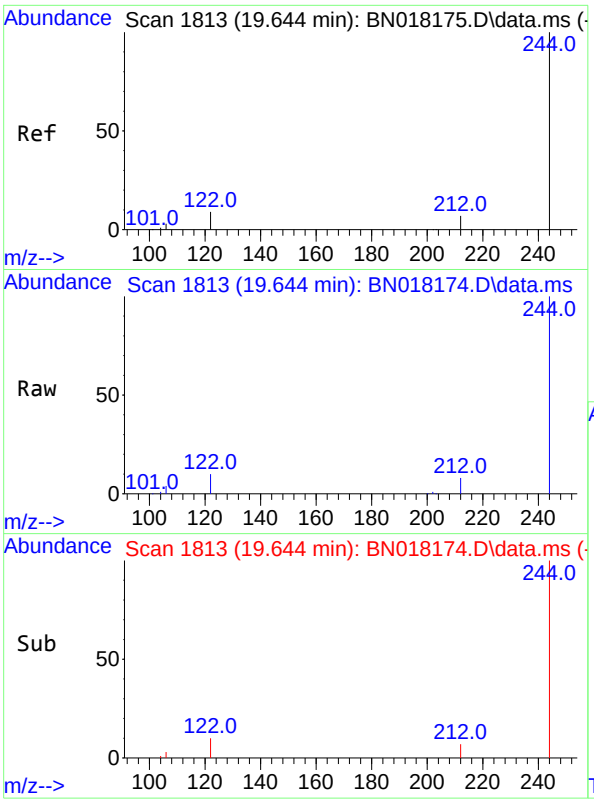


#30
Pyrene
Concen: 0.186 ng
RT: 19.425 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:202 Resp: 55810

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.6	14.1	21.1





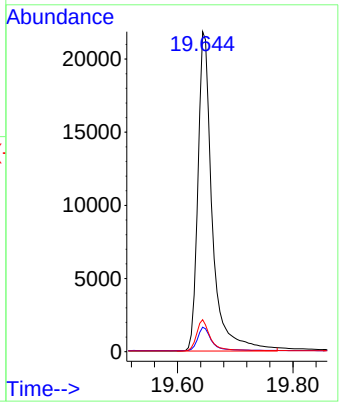
#31
Terphenyl-d14
Concen: 0.199 ng
RT: 19.644 min Scan# 1

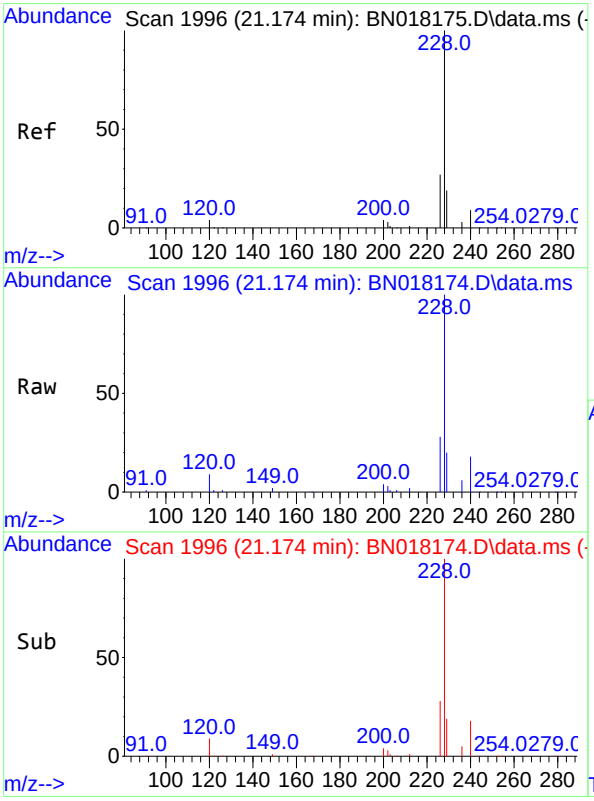
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:244 Resp: 37780

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	10.0	7.9	11.9

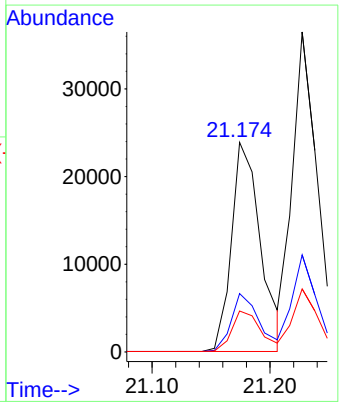


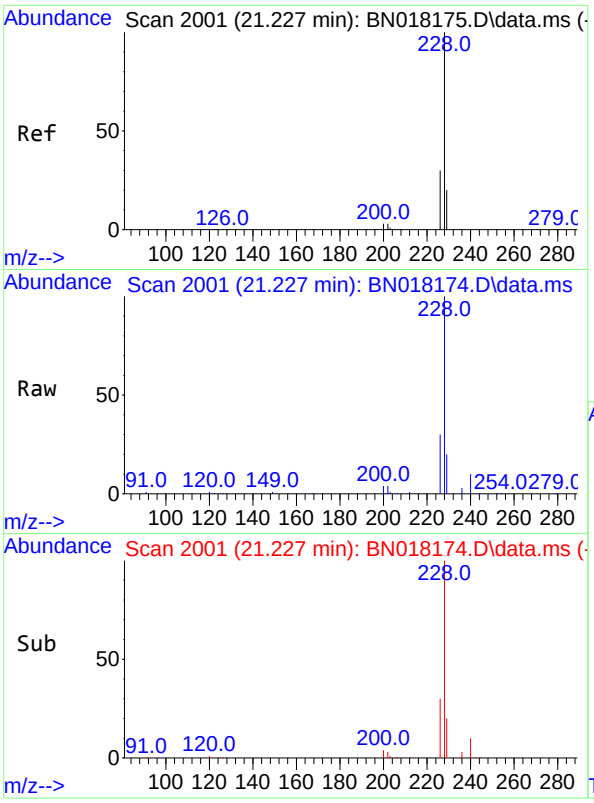


#32
Benzo(a)anthracene
Concen: 0.150 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:228 Resp: 41080

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.3	31.9
229	19.5	15.9	23.9



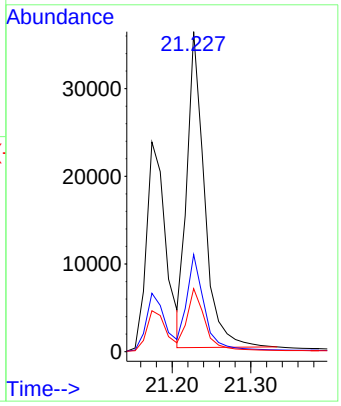


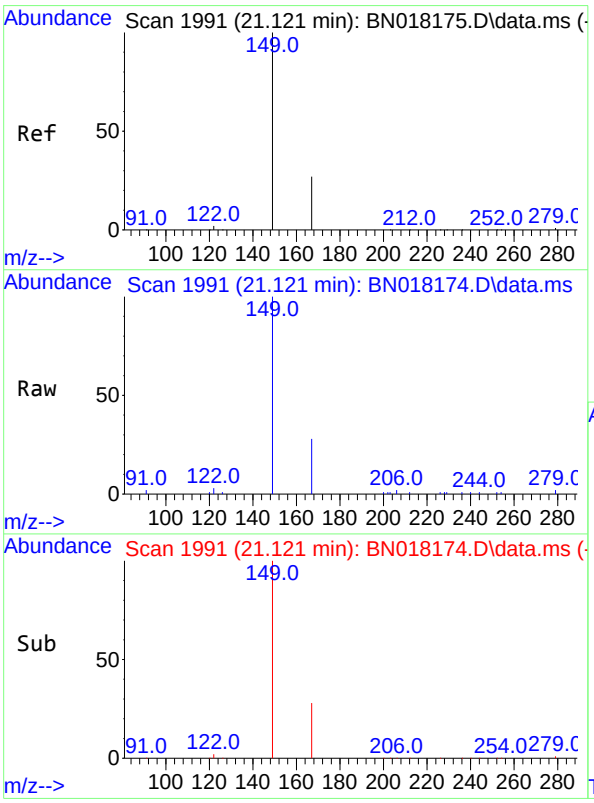
#33
Chrysene
Concen: 0.190 ng
RT: 21.227 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 55503

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	19.7	15.5	23.3

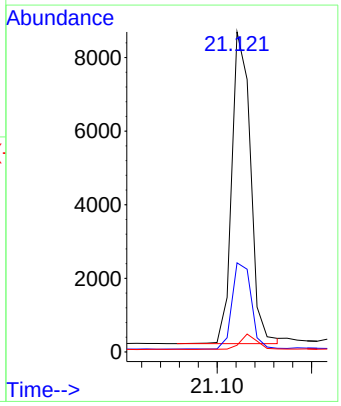


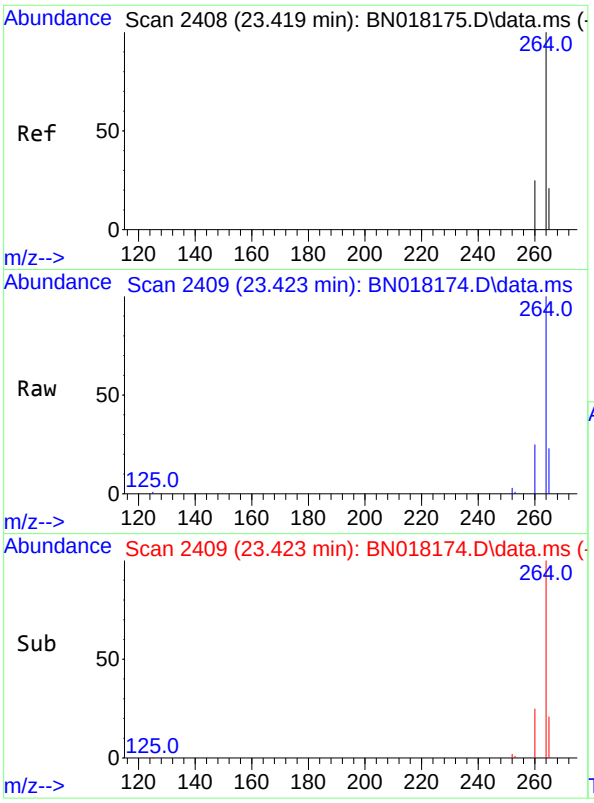


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 21.121 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:149 Resp: 11661

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.7	35.5
279	4.4	3.6	5.4



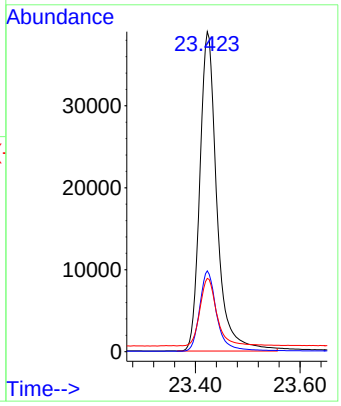


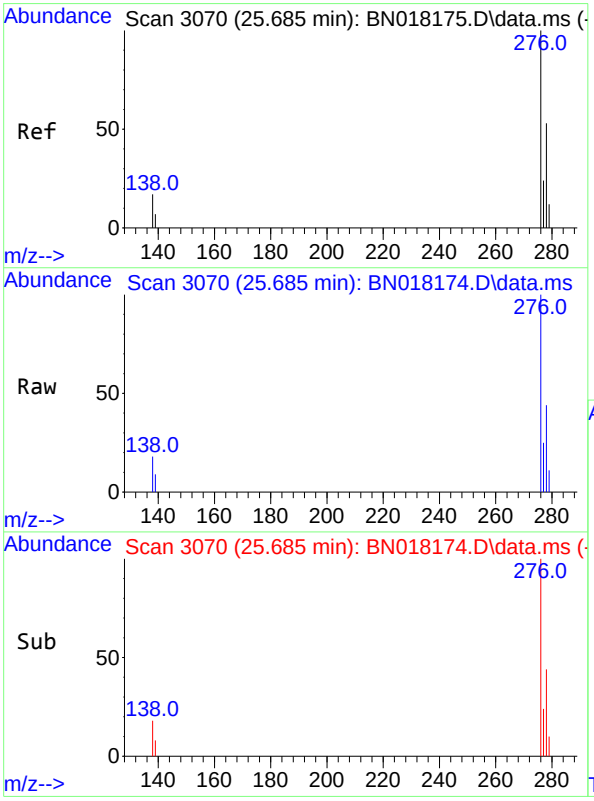
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.423 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 88297

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.4
265	22.9	18.2	27.2

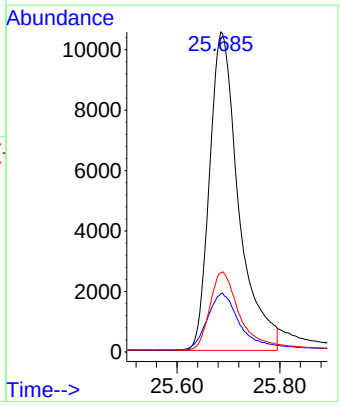


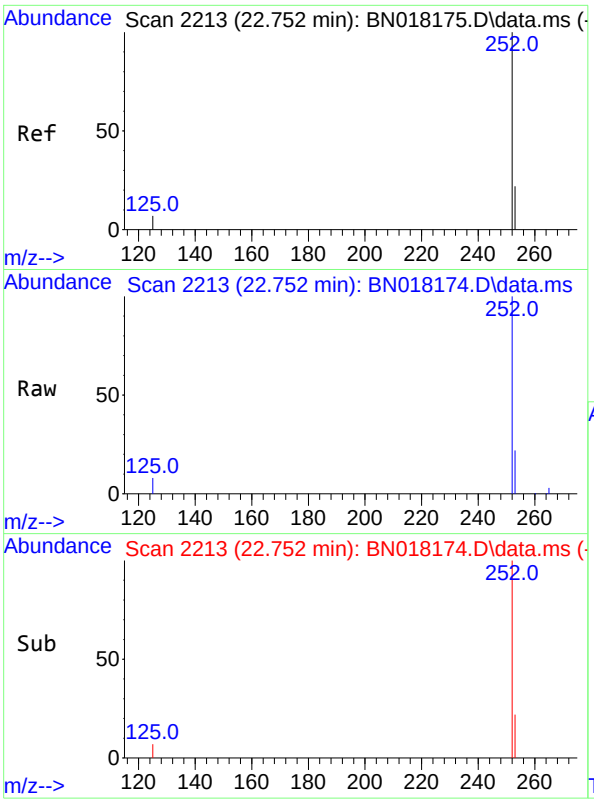


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.140 ng
RT: 25.685 min Scan# 3070
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:276 Resp: 41380

Ion	Ratio	Lower	Upper
276	100		
138	19.7	14.9	22.3
277	25.0	19.9	29.9



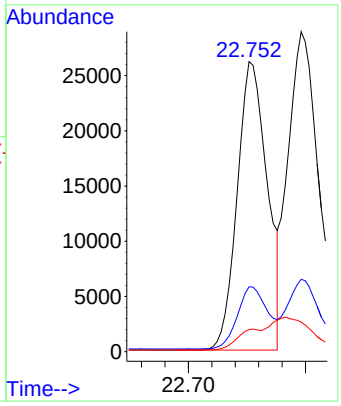


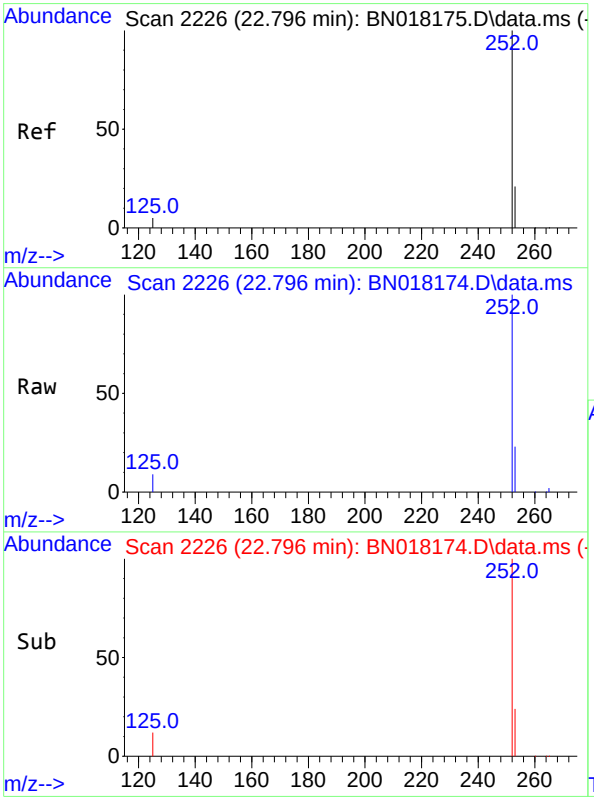
#37
Benzo(b)fluoranthene
Concen: 0.177 ng
RT: 22.752 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 46498

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	7.6	6.0	9.0

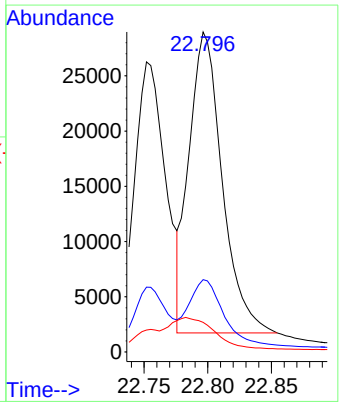


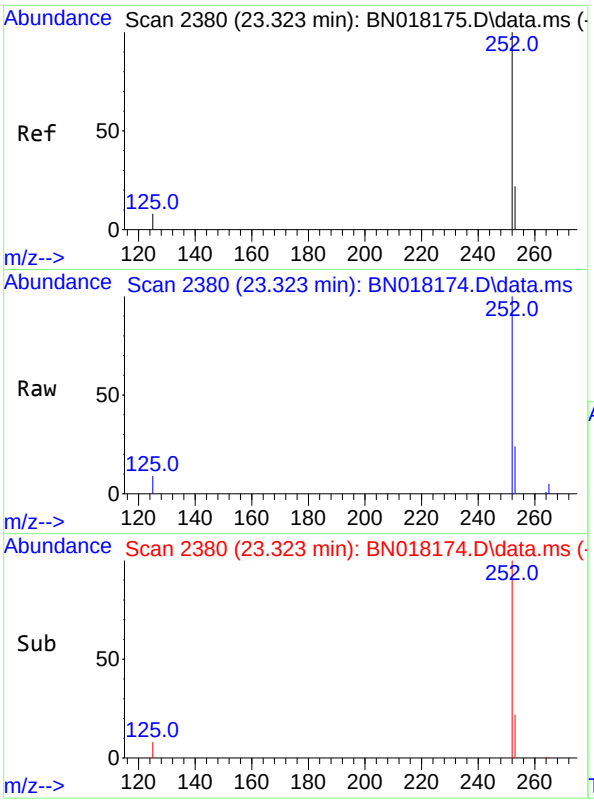


#38
Benzo(k)fluoranthene
Concen: 0.193 ng
RT: 22.796 min Scan# 2226
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:252 Resp: 49412

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.2	6.2	9.2



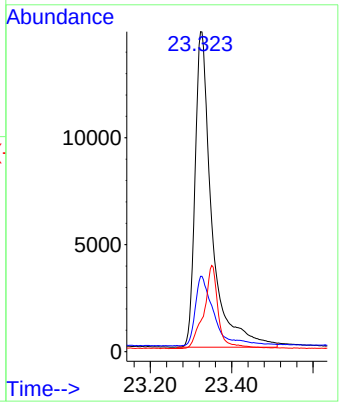


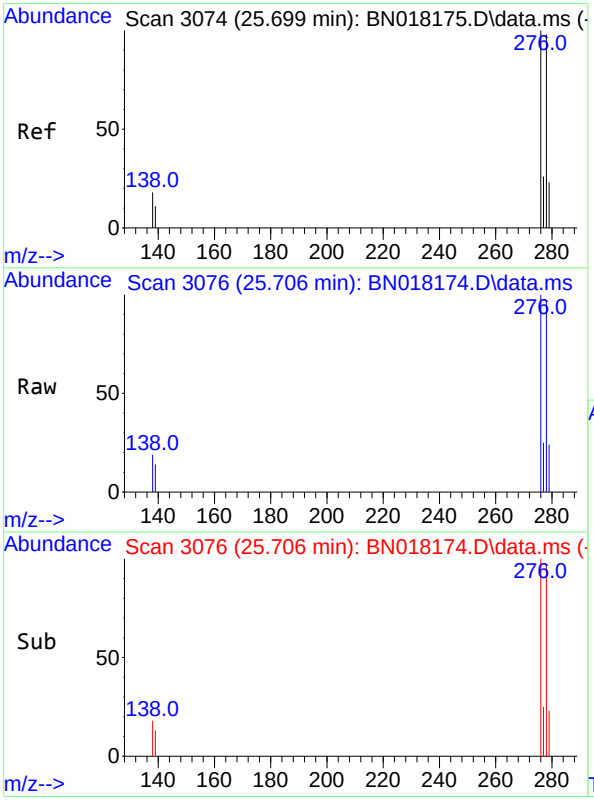
#39
Benzo(a)pyrene
Concen: 0.158 ng
RT: 23.323 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 42283

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	9.4	7.0	10.4

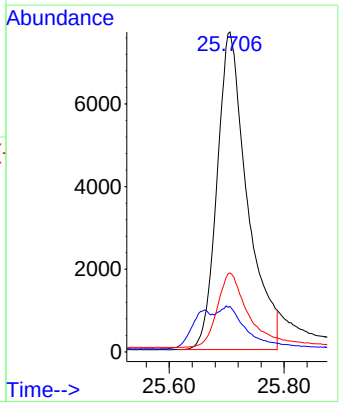


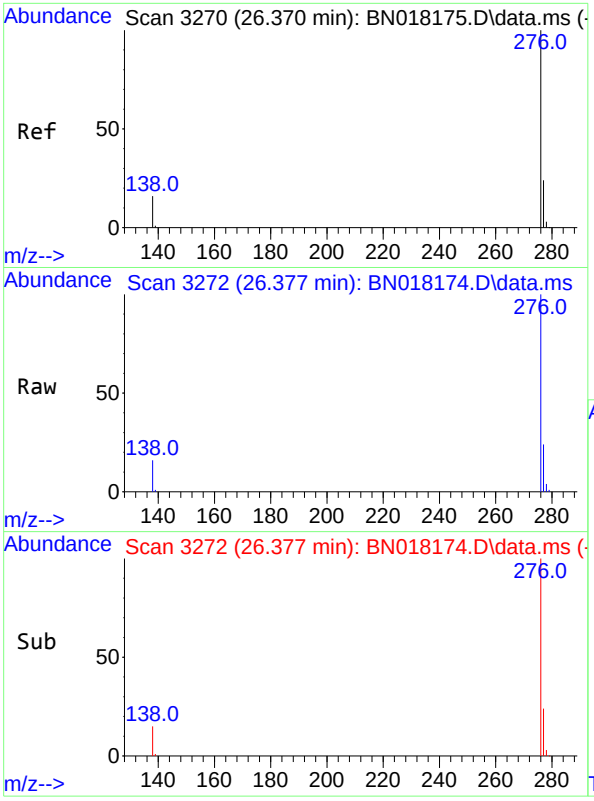


#40
Dibenzo(a,h)anthracene
Concen: 0.122 ng
RT: 25.706 min Scan# 3076
Delta R.T. 0.007 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Tgt Ion:278 Resp: 28011

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.8	16.2
279	24.7	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.144 ng
RT: 26.377 min Scan# 3
Delta R.T. 0.007 min
Lab File: BN018174.D
Acq: 23 Dec 2021 10:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 39815

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	16.1	12.6	19.0