Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
Data File : BN018491.D
Acq On : 27 Jan 2022 15:38
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Quant Time: Jan 28 03:05:19 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 28 03:03:43 2022
Response via : Initial Calibration

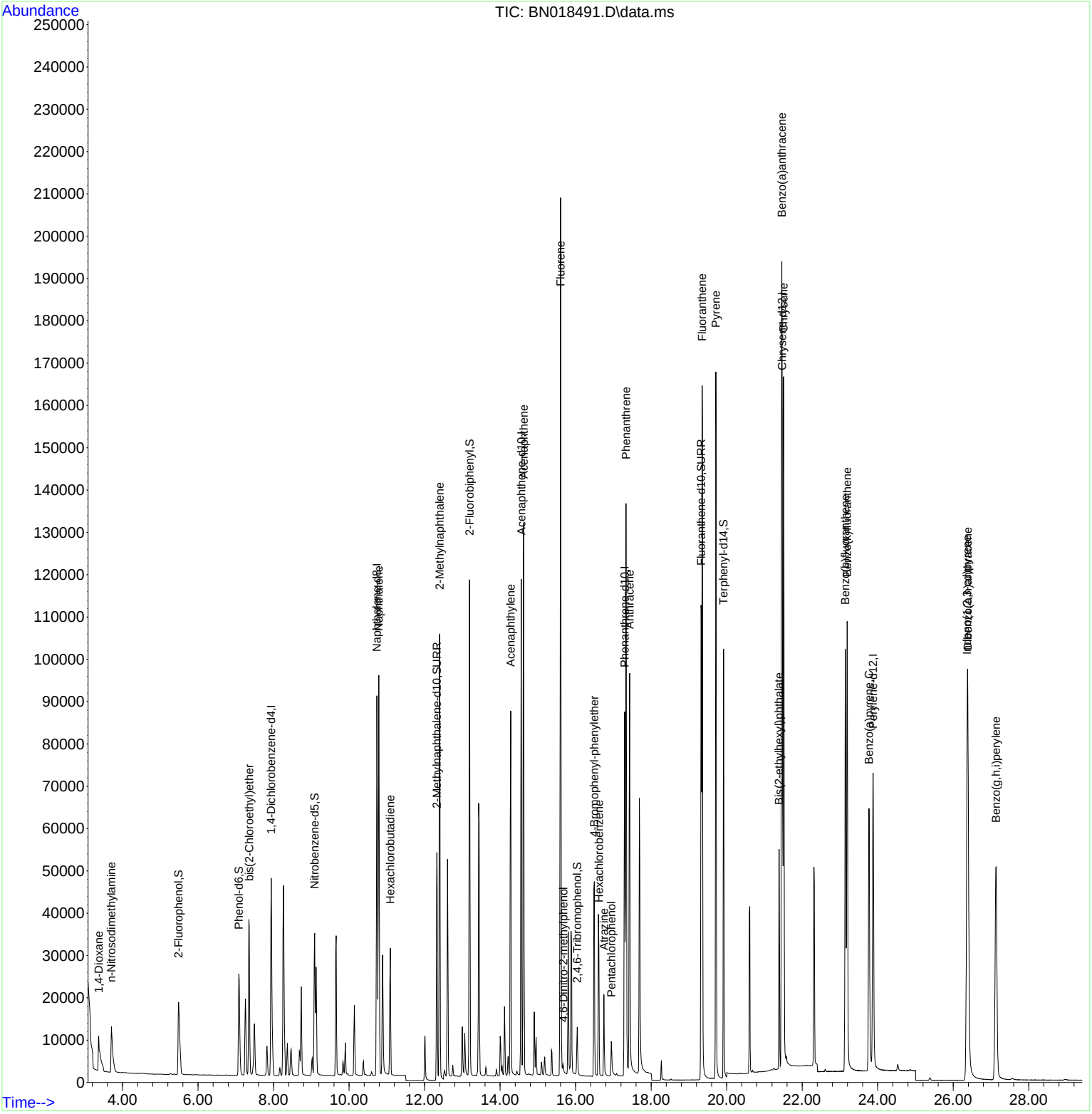
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.937	152	27832	0.400	ng		0.00
7) Naphthalene-d8	10.736	136	119583	0.400	ng	#	0.00
13) Acenaphthene-d10	14.561	164	64922	0.400	ng		0.00
19) Phenanthrene-d10	17.297	188	119151	0.400	ng		0.00
29) Chrysene-d12	21.472	240	115511	0.400	ng	#	0.00
35) Perylene-d12	23.878	264	103912	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.485	112	26963	0.381	ng		0.00
5) Phenol-d6	7.080	99	29039	0.375	ng		0.00
8) Nitrobenzene-d5	9.089	82	29037	0.351	ng		0.00
11) 2-Methylnaphthalene-d10	12.323	152	74034	0.384	ng		0.00
14) 2,4,6-Tribromophenol	16.044	330	7541	0.346	ng		0.00
15) 2-Fluorobiphenyl	13.190	172	100333	0.390	ng		0.00
27) Fluoranthene-d10	19.326	212	133265	0.380	ng		0.00
31) Terphenyl-d14	19.917	244	113350	0.386	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.373	88	7745	0.391	ng	#	60
3) n-Nitrosodimethylamine	3.705	42	11032	0.383	ng		99
6) bis(2-Chloroethyl)ether	7.357	93	32597	0.397	ng		100
9) Naphthalene	10.787	128	121053	0.387	ng		100
10) Hexachlorobutadiene	11.091	225	24798	0.388	ng	#	100
12) 2-Methylnaphthalene	12.398	142	82006	0.390	ng		99
16) Acenaphthylene	14.281	152	99221	0.363	ng		100
17) Acenaphthene	14.624	154	69868	0.383	ng		98
18) Fluorene	15.601	166	84990	0.379	ng		100
20) 4,6-Dinitro-2-methylph...	15.677	198	1874	0.309	ng	#	91
21) 4-Bromophenyl-phenylether	16.494	248	27380	0.379	ng	#	85
22) Hexachlorobenzene	16.616	284	31856	0.394	ng	#	93
23) Atrazine	16.750	200	15537	0.354	ng		97
24) Pentachlorophenol	16.945	266	5081	0.456	ng		99
25) Phenanthrene	17.334	178	135819	0.390	ng		100
26) Anthracene	17.431	178	108761	0.368	ng		99
28) Fluoranthene	19.351	202	152111	0.396	ng	#	98
30) Pyrene	19.713	202	150759	0.381	ng		100
32) Benzo(a)anthracene	21.461	228	137532	0.358	ng		99
33) Chrysene	21.504	228	151595	0.390	ng		100
34) Bis(2-ethylhexyl)phtha...	21.387	149	47813	0.308	ng		98
36) Indeno(1,2,3-cd)pyrene	26.370	276	136500	0.365	ng	#	94
37) Benzo(b)fluoranthene	23.142	252	133738	0.374	ng	#	98
38) Benzo(k)fluoranthene	23.190	252	140640	0.393	ng	#	98
39) Benzo(a)pyrene	23.769	252	102439	0.358	ng	#	98
40) Dibenzo(a,h)anthracene	26.387	278	105978	0.364	ng	#	96
41) Benzo(g,h,i)perylene	27.133	276	119240	0.367	ng	#	95

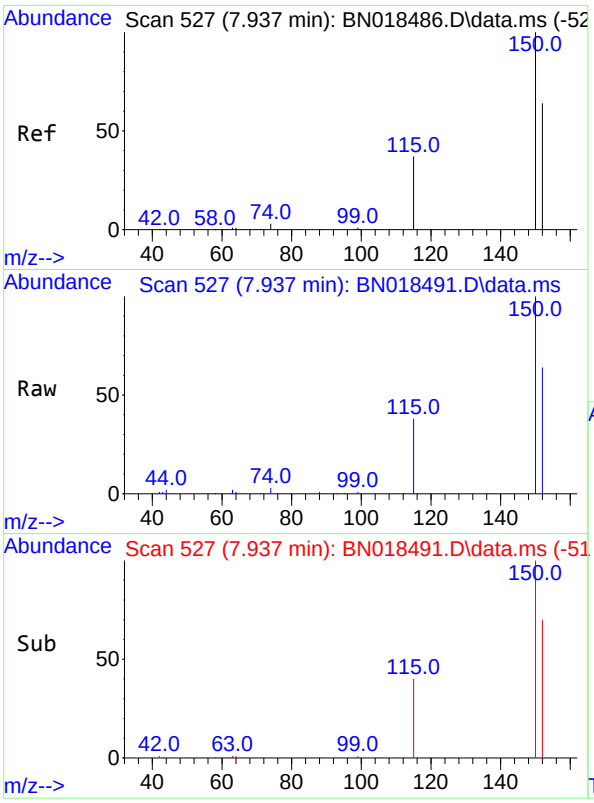
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
Data File : BN018491.D
Acq On : 27 Jan 2022 15:38
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Quant Time: Jan 28 03:05:19 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 28 03:03:43 2022
Response via : Initial Calibration



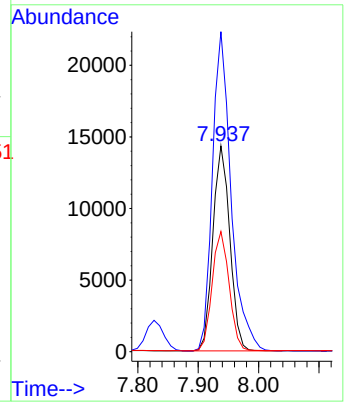


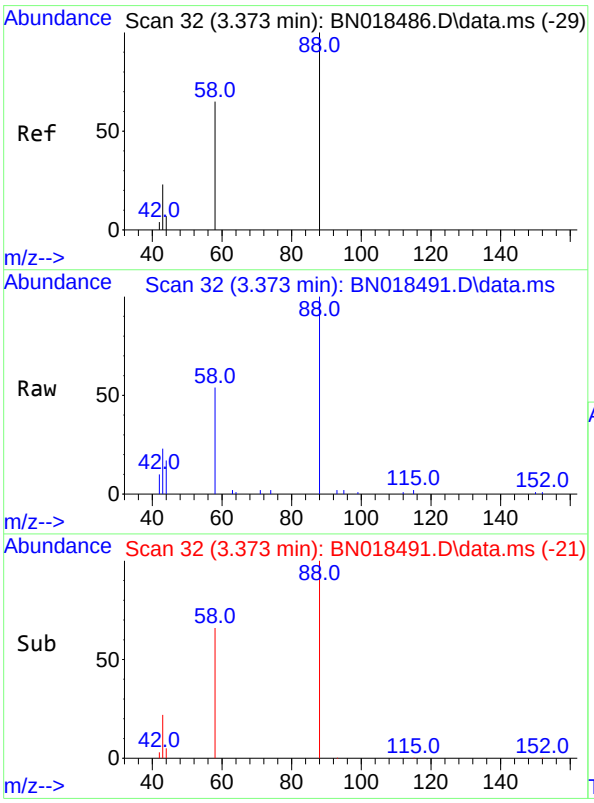
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.937 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:152 Resp: 27832

Ion	Ratio	Lower	Upper
152	100		
150	155.5	121.7	182.5
115	58.4	43.8	65.8

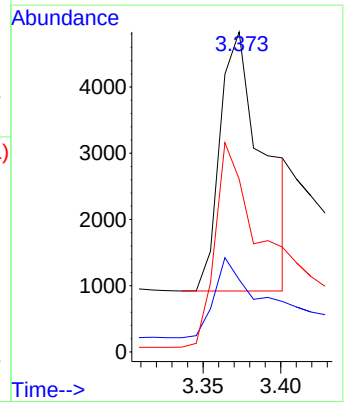


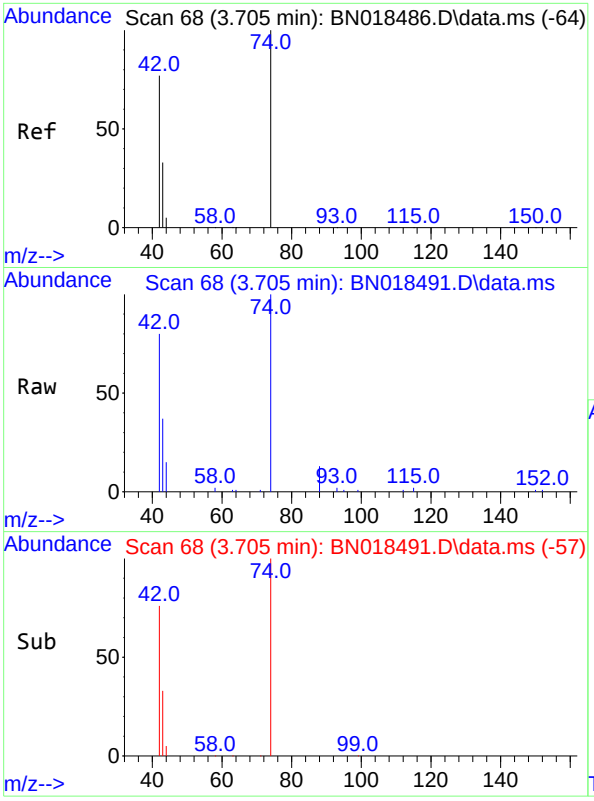


#2
1,4-Dioxane
Concen: 0.391 ng
RT: 3.373 min Scan# 32
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion: 88 Resp: 7745

Ion	Ratio	Lower	Upper
88	100		
43	30.6	69.7	104.5#
58	81.1	83.8	125.8#



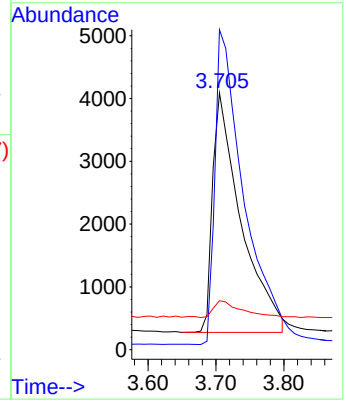


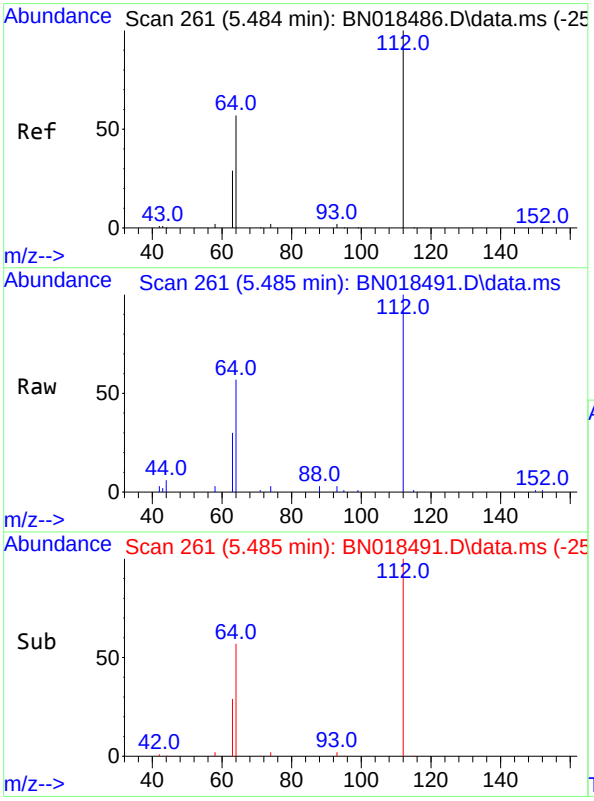
#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.705 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion: 42 Resp: 11032

Ion	Ratio	Lower	Upper
42	100		
74	134.3	108.6	163.0
44	6.9	5.8	8.8

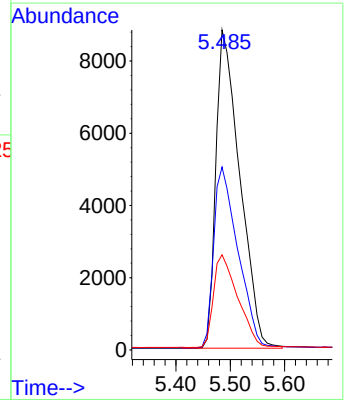


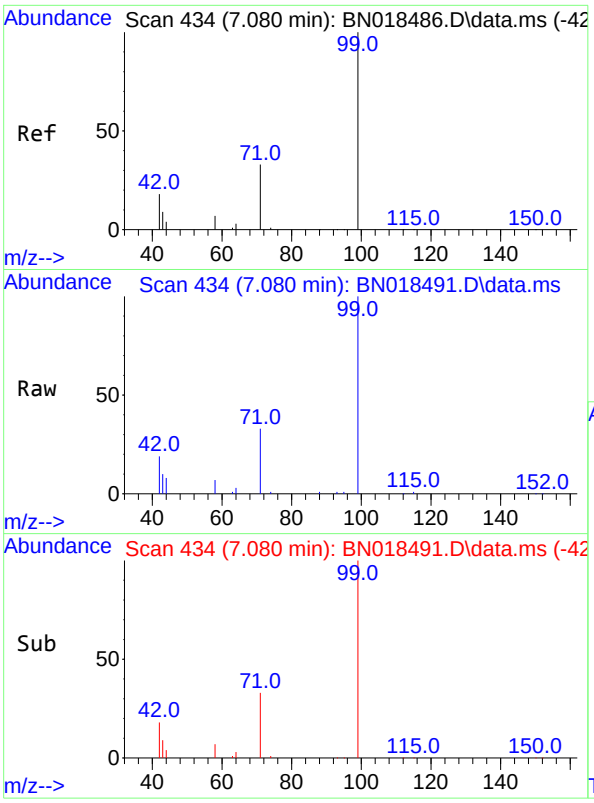


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.485 min Scan# 261
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:112 Resp: 26963

Ion	Ratio	Lower	Upper
112	100		
64	57.4	48.0	72.0
63	29.7	25.3	37.9



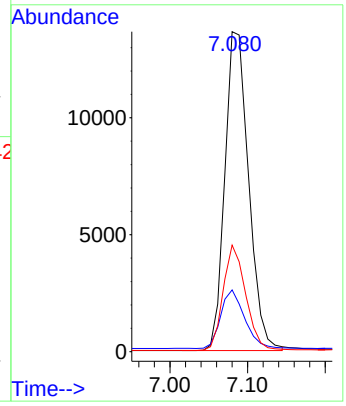


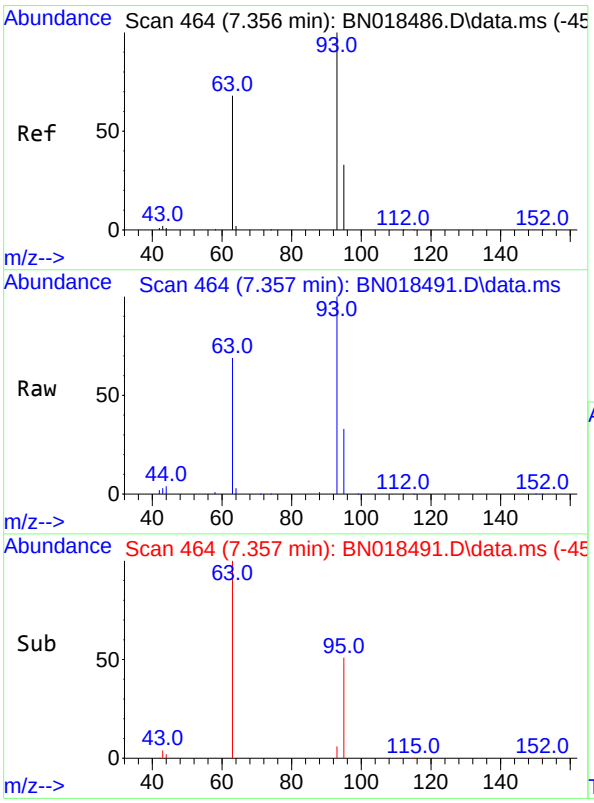
#5
Phenol-d6
Concen: 0.375 ng
RT: 7.080 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion: 99 Resp: 29039

Ion	Ratio	Lower	Upper
99	100		
42	18.3	16.3	24.5
71	31.3	26.8	40.2

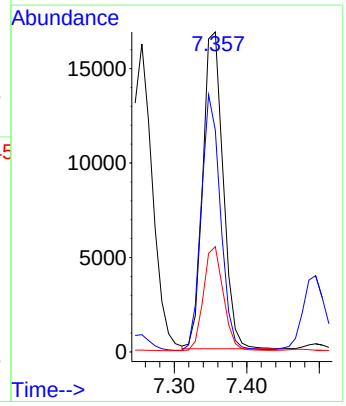


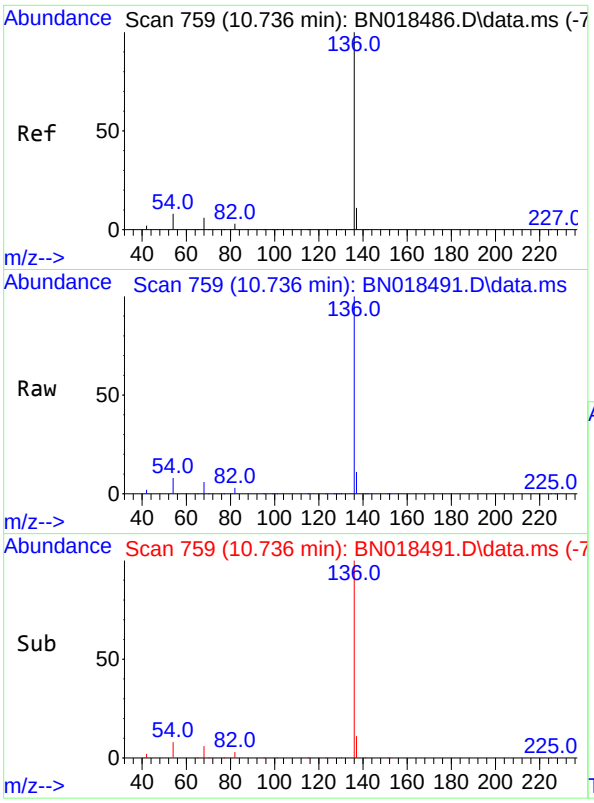


#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.357 min Scan# 464
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion: 93 Resp: 32597

Ion	Ratio	Lower	Upper
93	100		
63	76.9	61.7	92.5
95	32.4	26.2	39.4



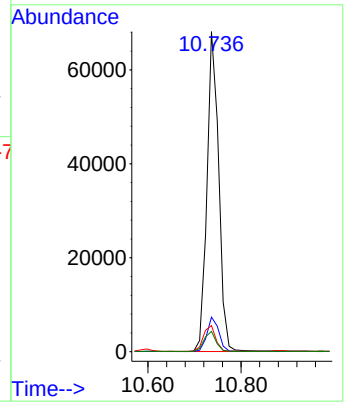


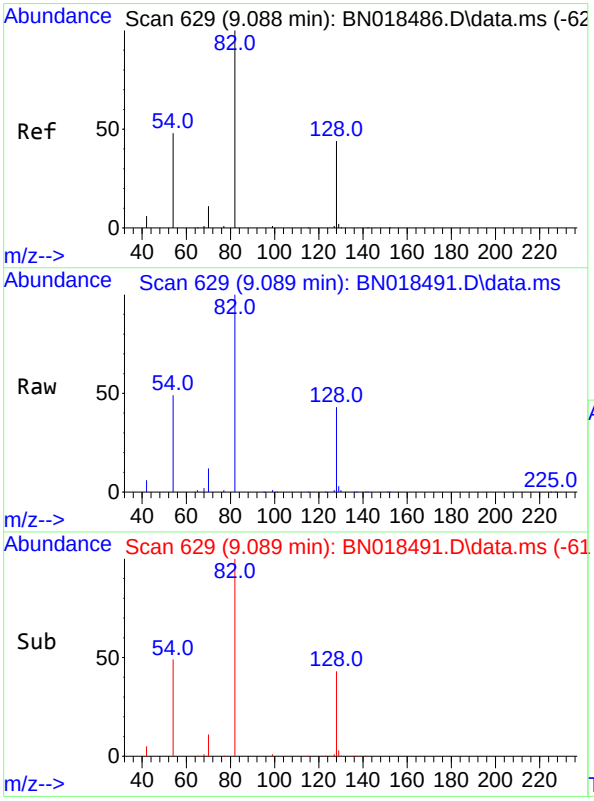
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.736 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:136 Resp: 119583

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.2	5.0	7.6#
68	6.3	4.4	6.6

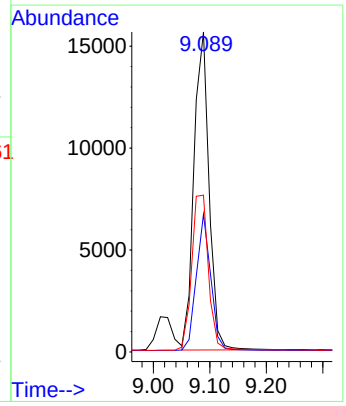


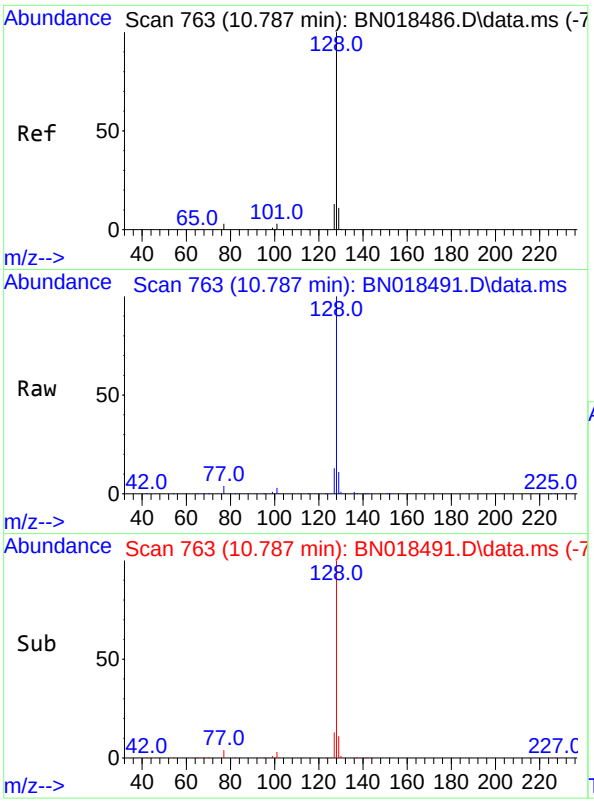


#8
Nitrobenzene-d5
Concen: 0.351 ng
RT: 9.089 min Scan# 629
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion: 82 Resp: 29037

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.7	50.5
54	49.0	36.6	55.0



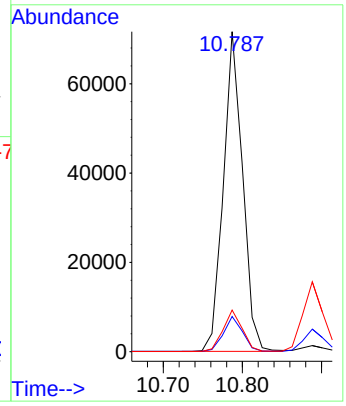


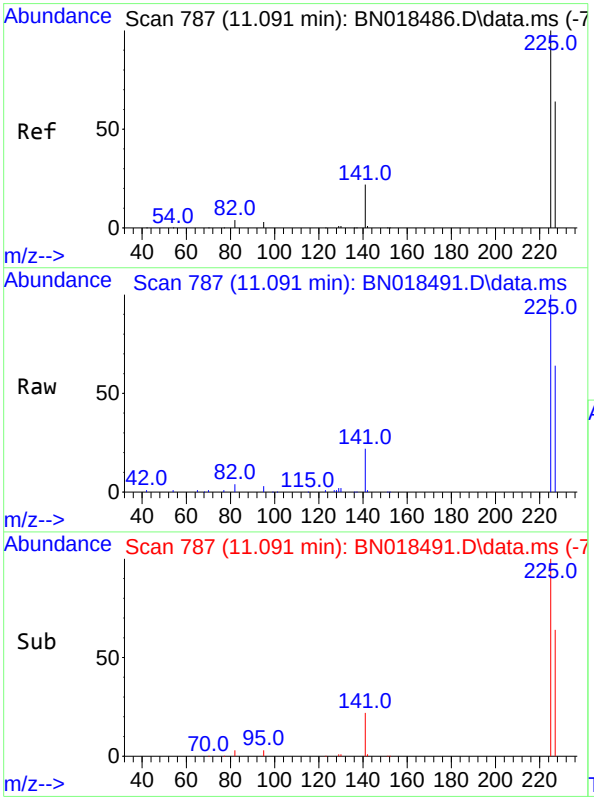
#9
Naphthalene
Concen: 0.387 ng
RT: 10.787 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:128 Resp: 121053

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.4	15.6

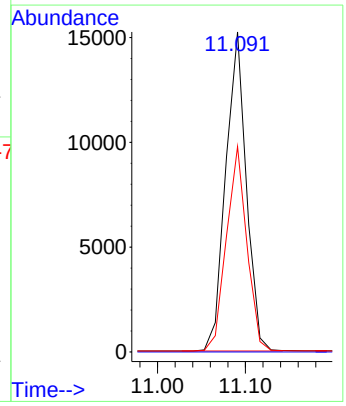


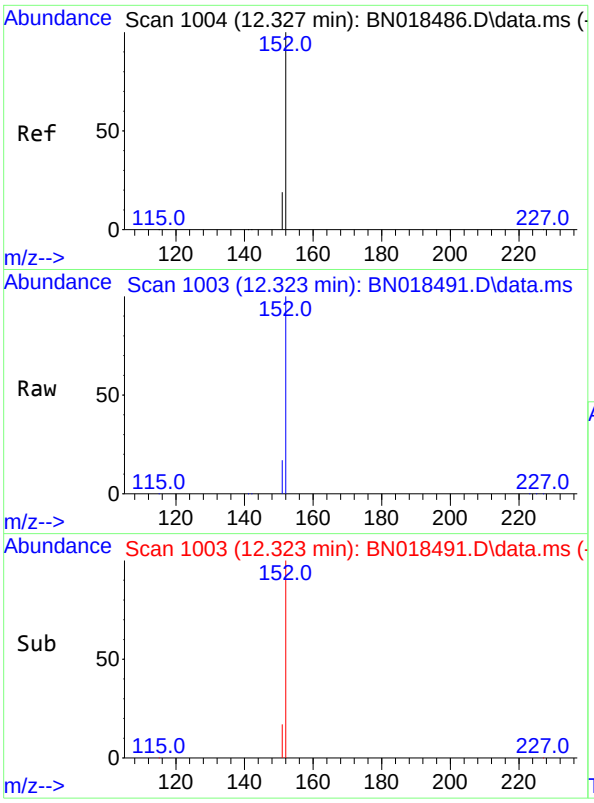


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 11.091 min Scan# 787
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:225 Resp: 24798

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.0	76.6



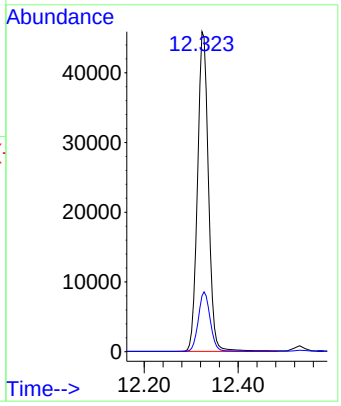


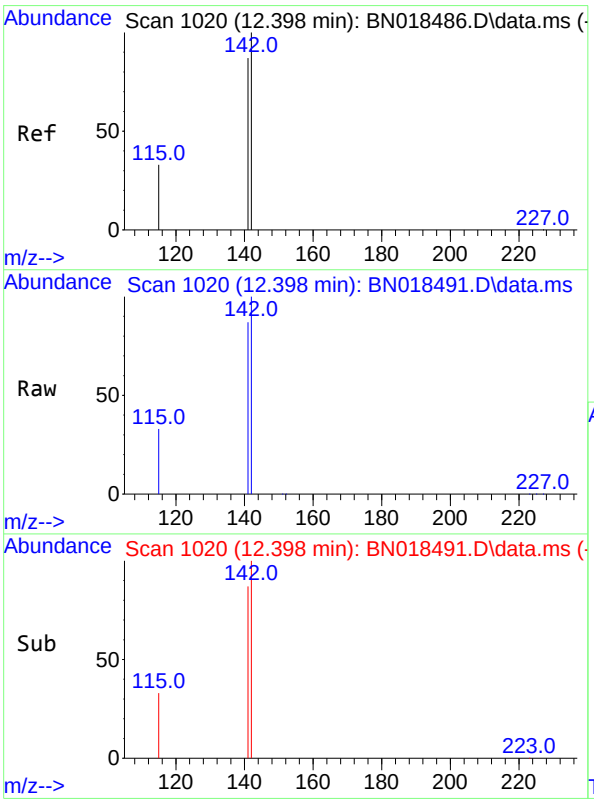
#11
2-Methylnaphthalene-d10
Concen: 0.384 ng
RT: 12.323 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:152 Resp: 74034

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

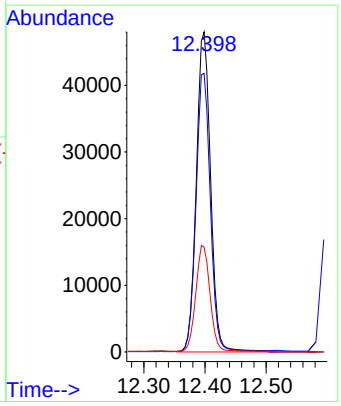


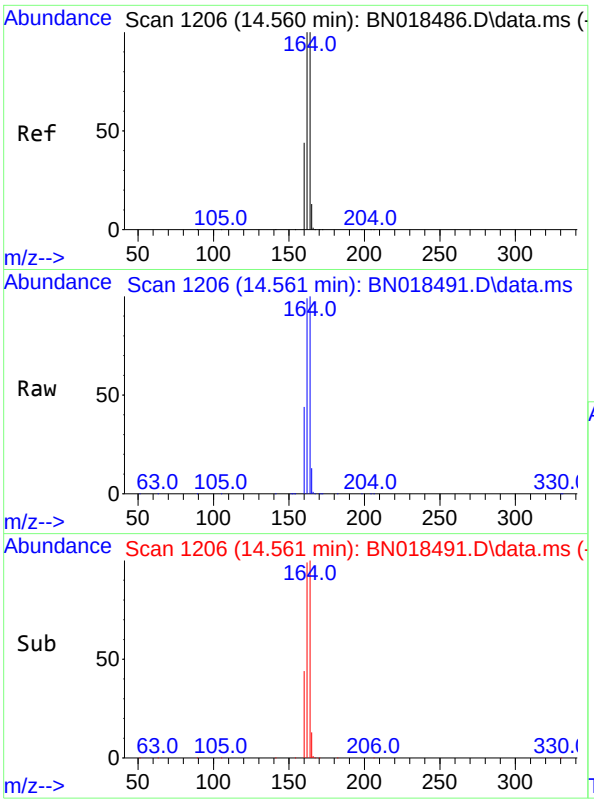


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.398 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:142 Resp: 82006

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.0	105.0
115	32.8	27.8	41.8



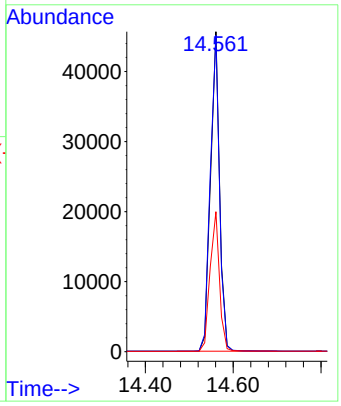


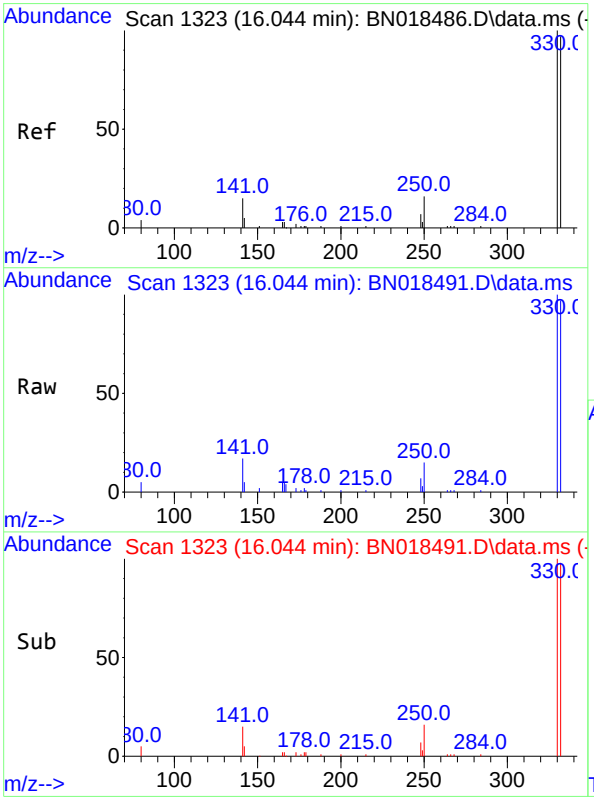
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.561 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:164 Resp: 64922

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.2
160	43.8	36.9	55.3

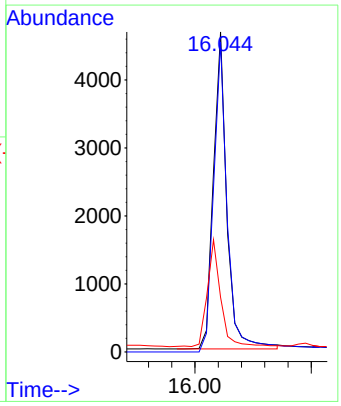


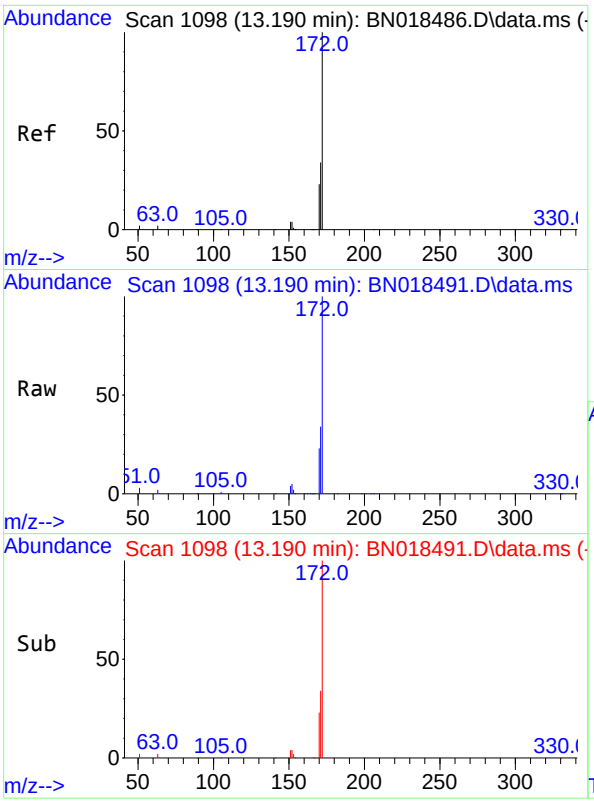


#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 16.044 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:330 Resp: 7541

Ion	Ratio	Lower	Upper
330	100		
332	101.1	0.0	0.0#
141	33.0	21.3	31.9#



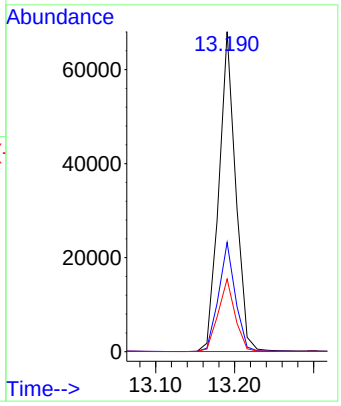


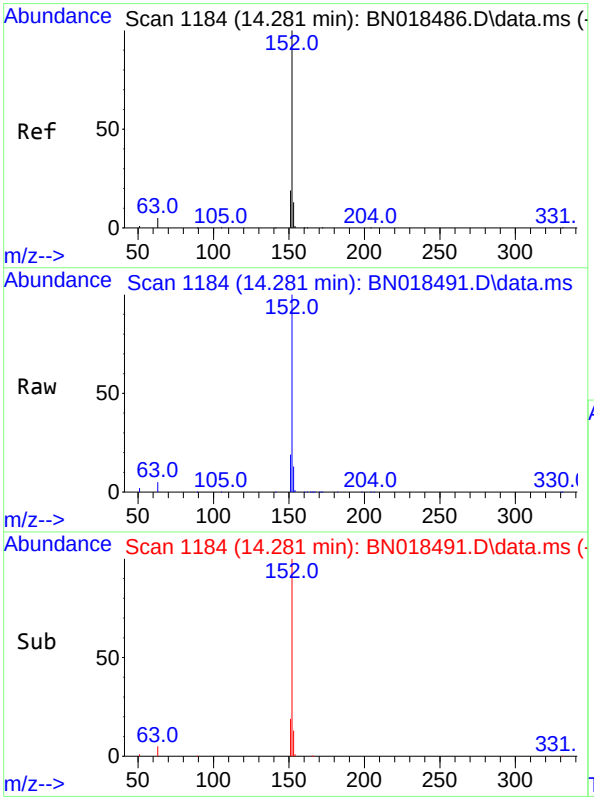
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.190 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:172 Resp: 100333

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	22.7	18.4	27.6

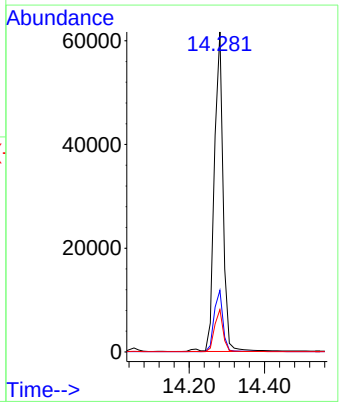


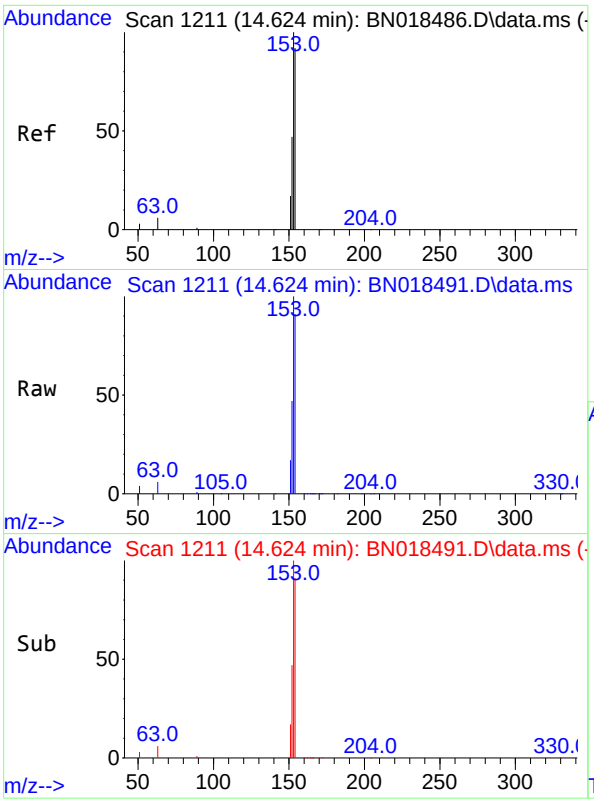


#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.281 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:152 Resp: 99221

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.1	10.5	15.7



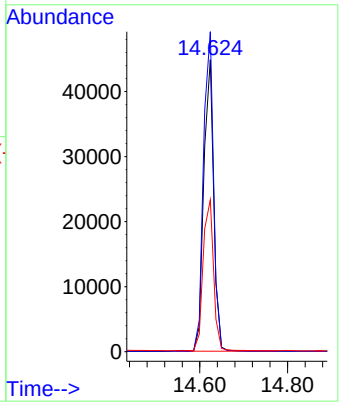


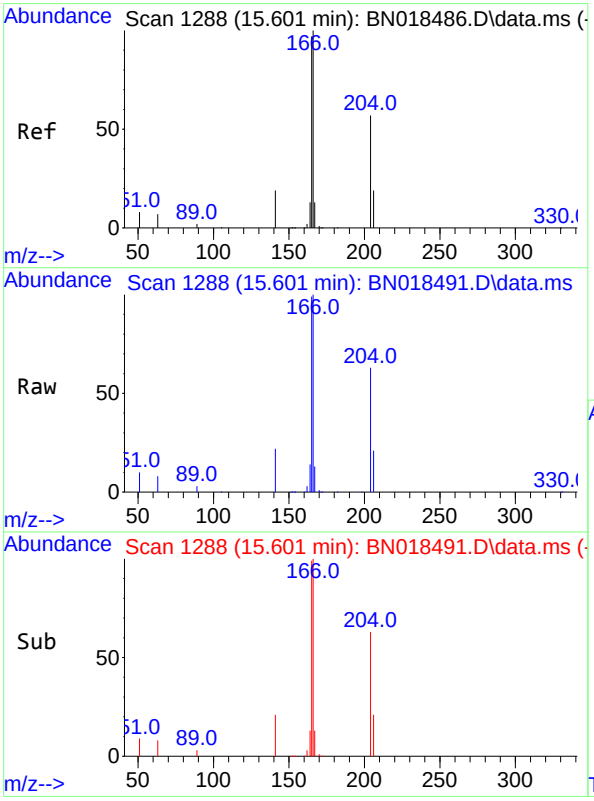
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.624 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:154 Resp: 69868

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.9	136.3
152	54.7	45.0	67.4

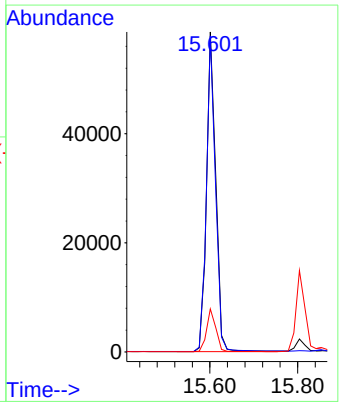


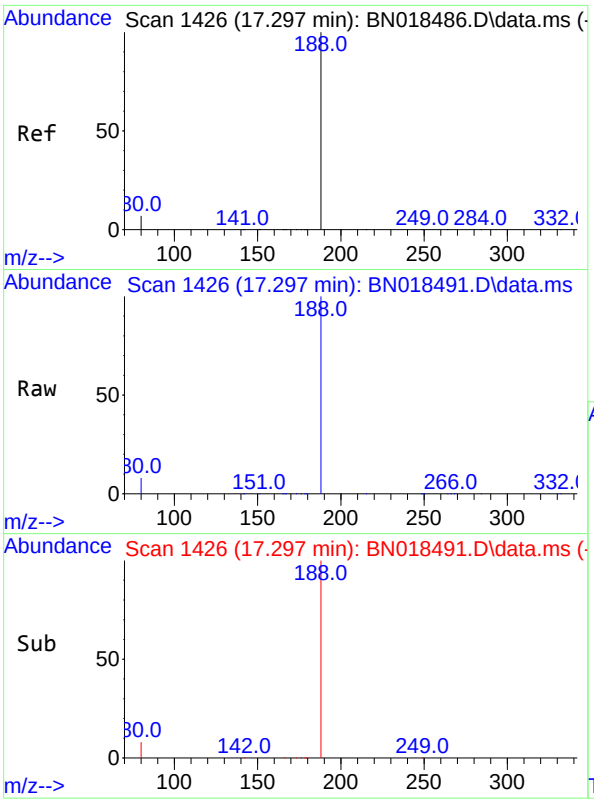


#18
Fluorene
Concen: 0.379 ng
RT: 15.601 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:166 Resp: 84990

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.6
167	13.5	10.9	16.3



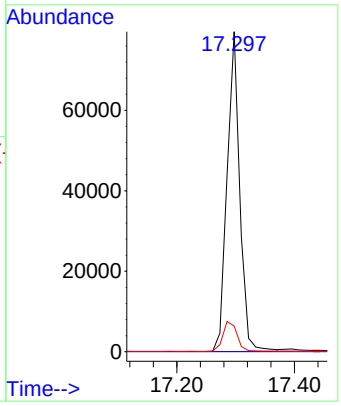


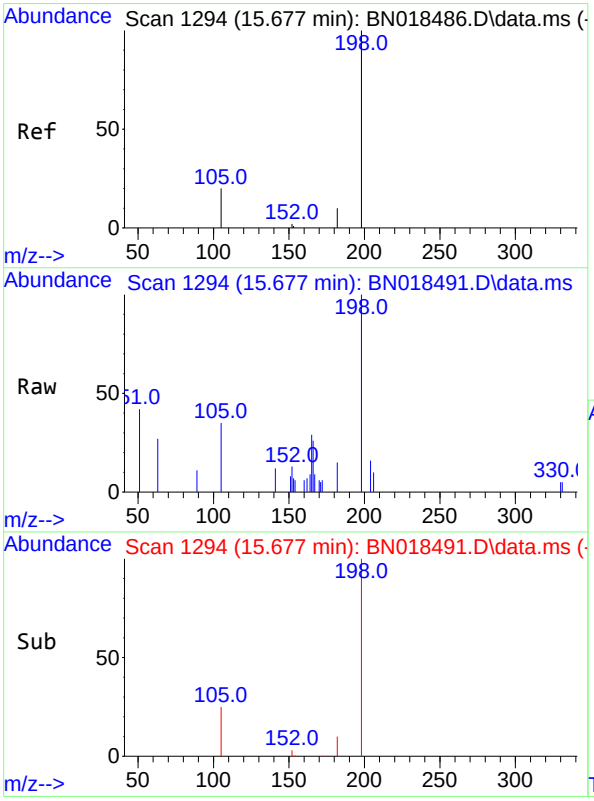
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.297 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:188 Resp: 119151

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	7.0	10.4

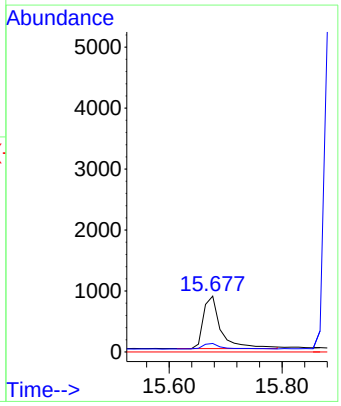


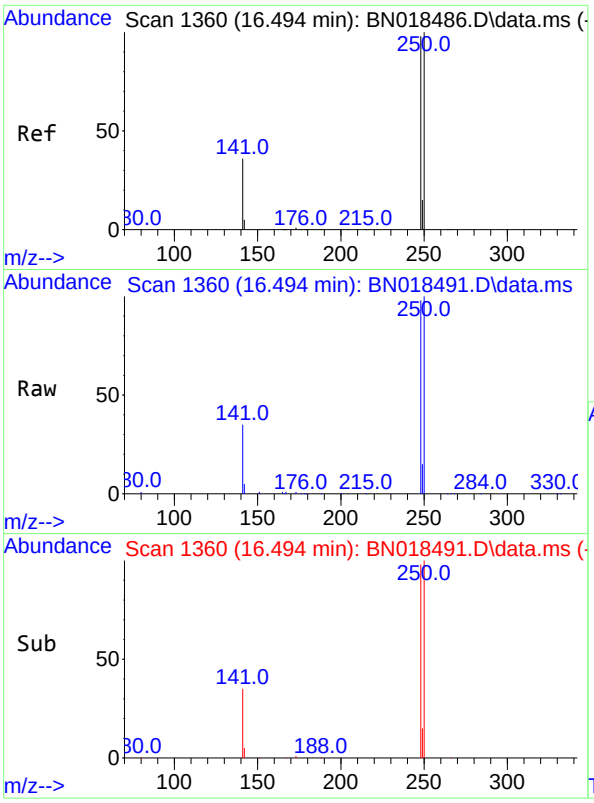


#20
4,6-Dinitro-2-methylphenol
Concen: 0.309 ng
RT: 15.677 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:198 Resp: 1874

Ion	Ratio	Lower	Upper
198	100		
182	15.3	15.5	23.3#
77	0.0	0.0	0.0



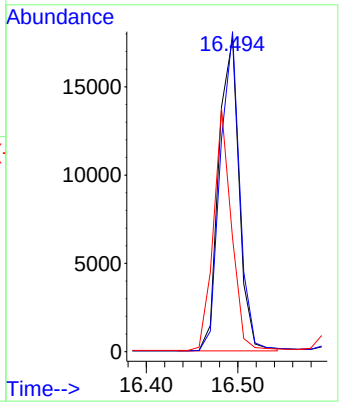


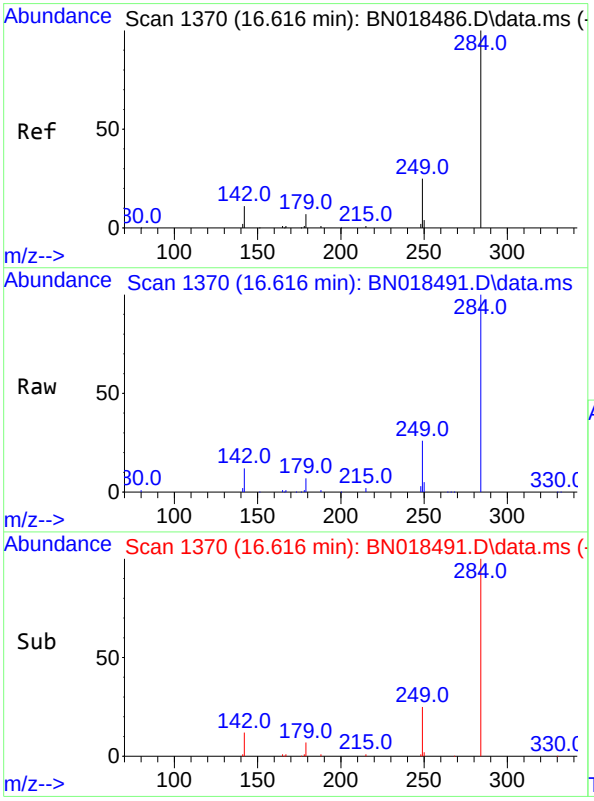
#21
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:248 Resp: 27380

Ion	Ratio	Lower	Upper
248	100		
250	102.1	74.4	111.6
141	36.2	43.7	65.5#

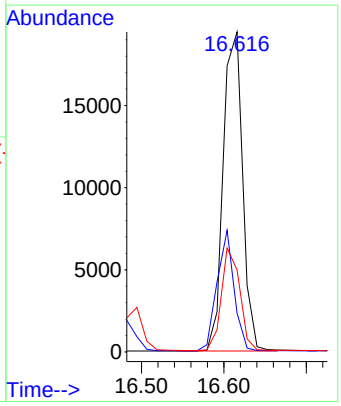


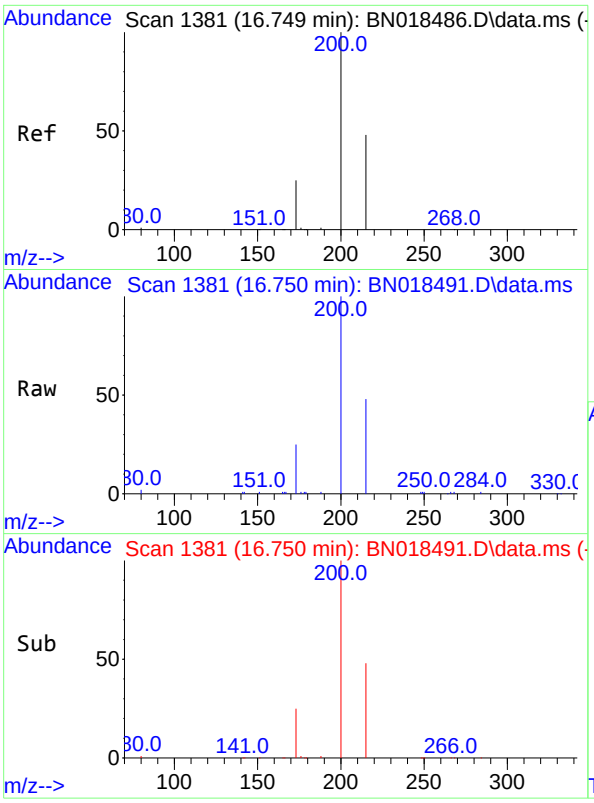


#22
Hexachlorobenzene
Concen: 0.394 ng
RT: 16.616 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:284 Resp: 31856

Ion	Ratio	Lower	Upper
284	100		
142	33.0	21.6	32.4#
249	30.4	23.5	35.3



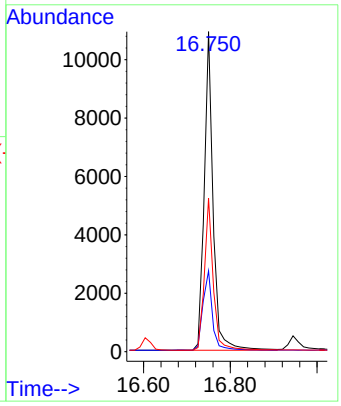


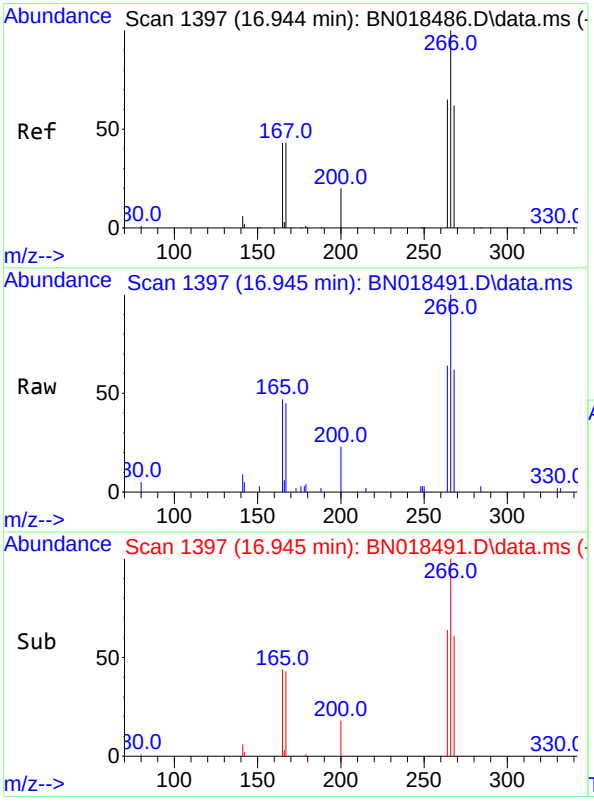
#23
Atrazine
Concen: 0.354 ng
RT: 16.750 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:200 Resp: 15537

Ion	Ratio	Lower	Upper
200	100		
173	25.3	20.3	30.5
215	48.0	40.4	60.6

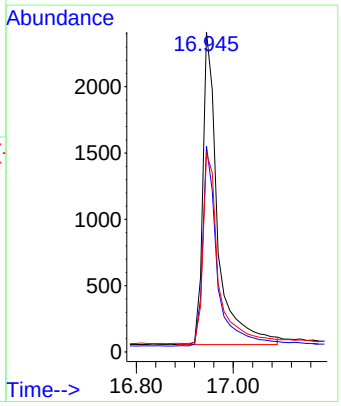


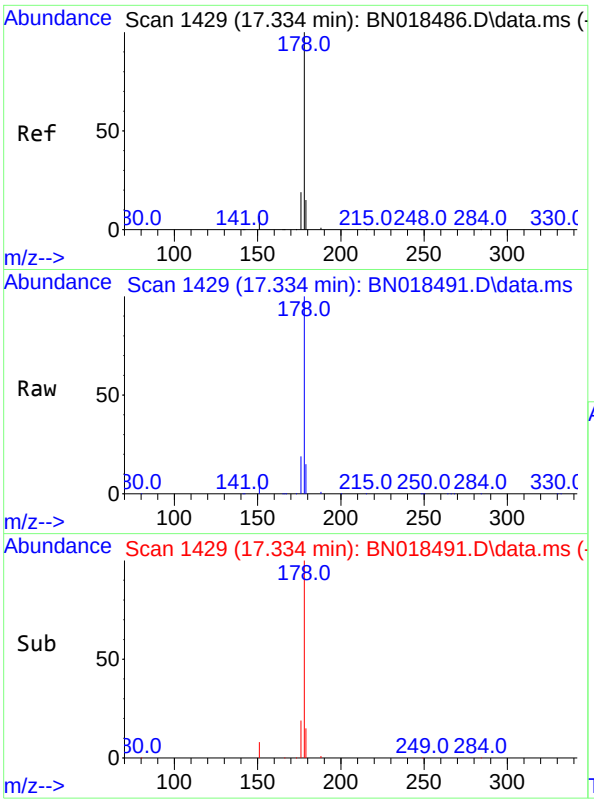


#24
Pentachlorophenol
Concen: 0.456 ng
RT: 16.945 min Scan# 1397
Delta R.T. 0.001 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:266 Resp: 5081

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.5	74.3
268	63.1	50.6	76.0



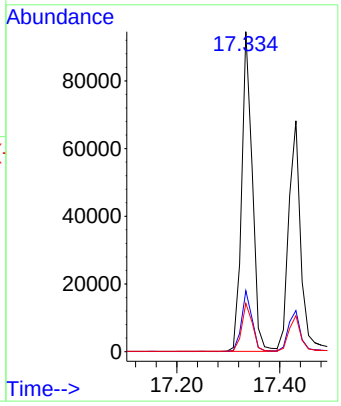


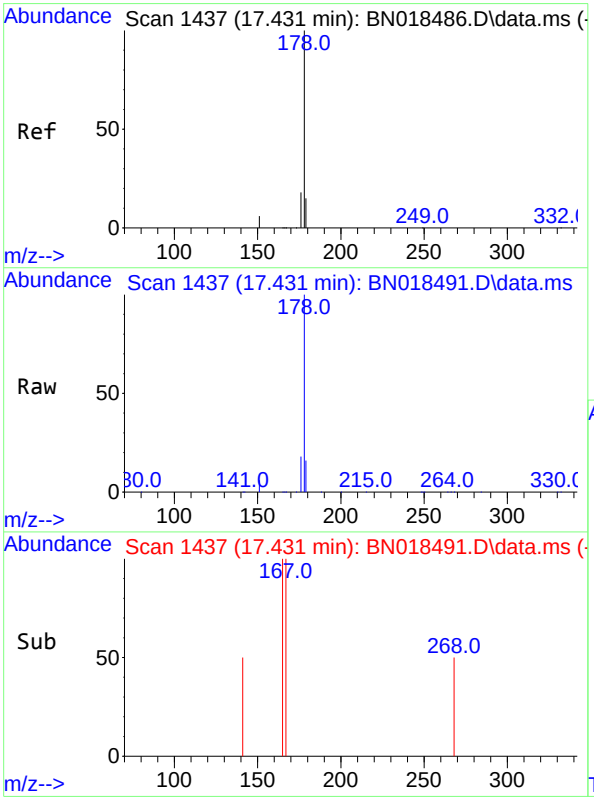
#25
Phenanthrene
Concen: 0.390 ng
RT: 17.334 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:178 Resp: 135819

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.3	12.3	18.5

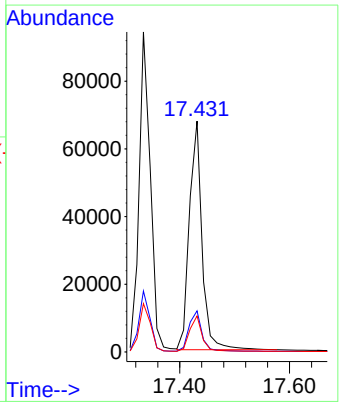


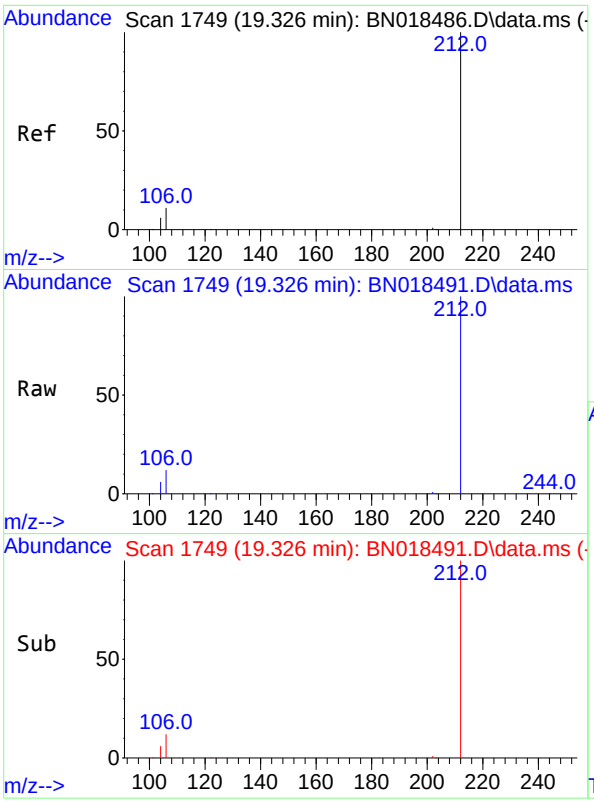


#26
Anthracene
Concen: 0.368 ng
RT: 17.431 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:178 Resp: 108761

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.3	12.2	18.4



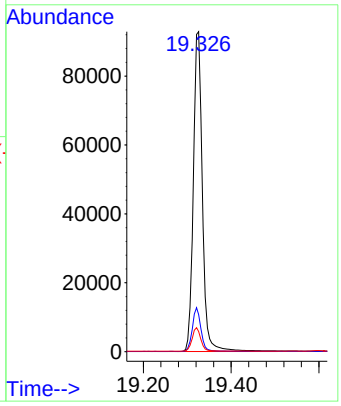


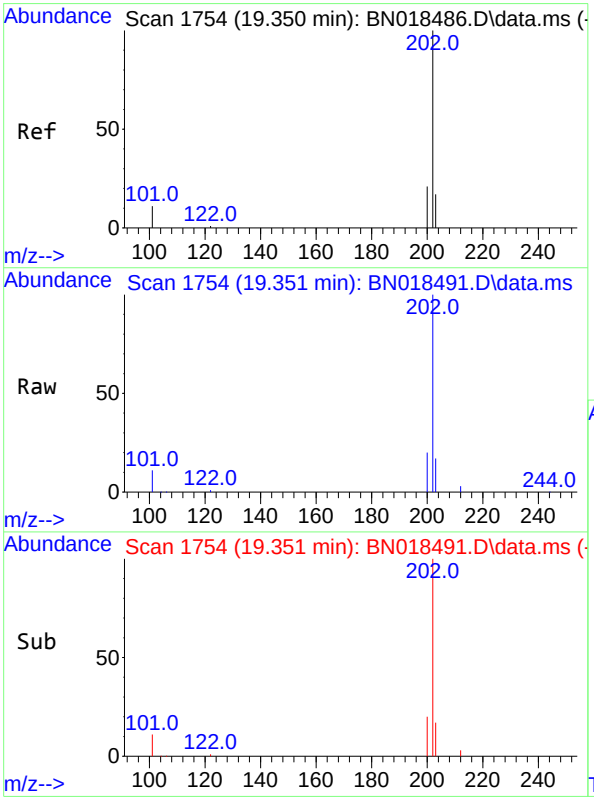
#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.326 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:212 Resp: 133265

Ion	Ratio	Lower	Upper
212	100		
106	13.1	8.4	12.6#
104	7.2	4.5	6.7#

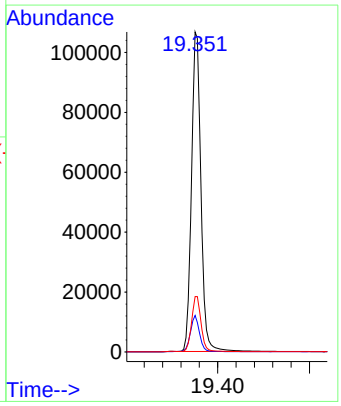


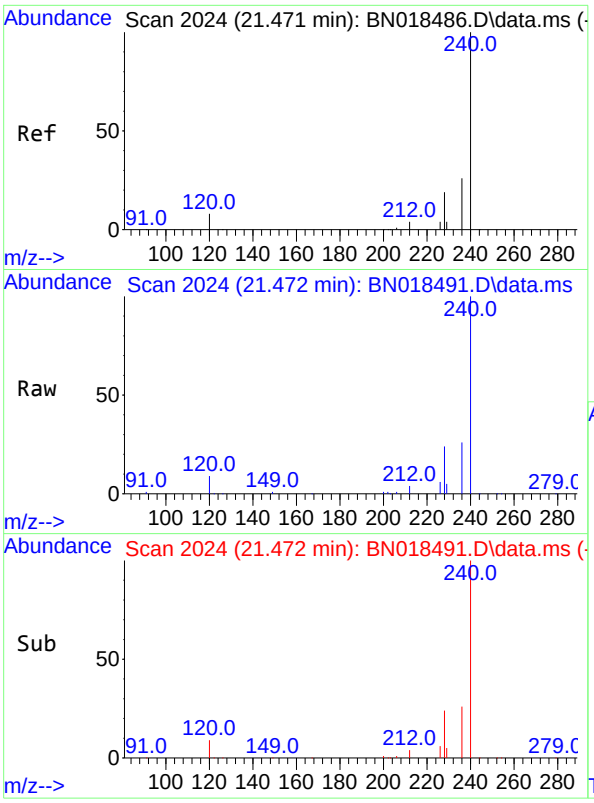


#28
Fluoranthene
Concen: 0.396 ng
RT: 19.351 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:202 Resp: 152111

Ion	Ratio	Lower	Upper
202	100		
101	11.0	7.2	10.8#
203	17.3	13.7	20.5



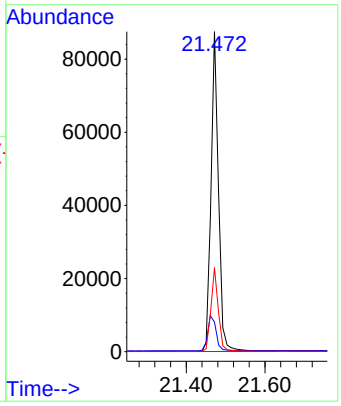


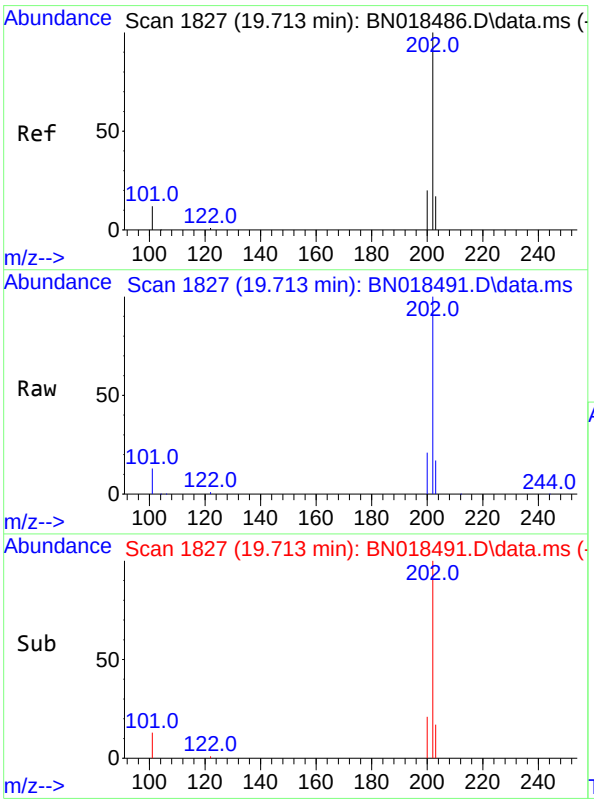
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.472 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:240 Resp: 115511

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.0	9.0#
236	26.2	21.4	32.2

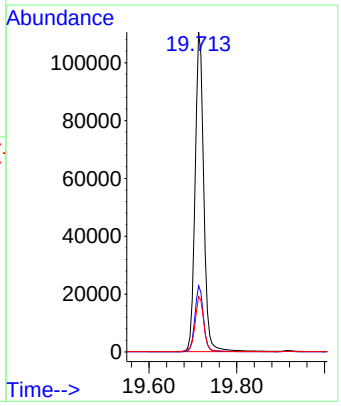


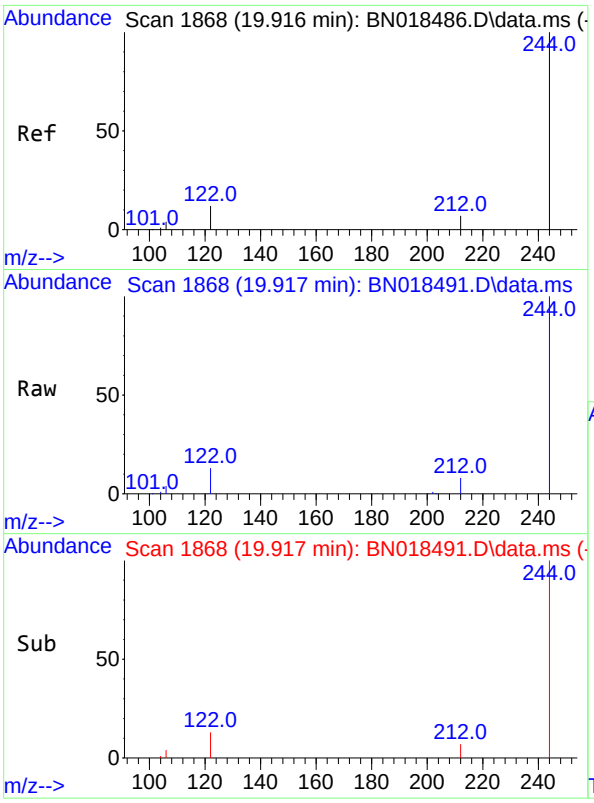


#30
Pyrene
Concen: 0.381 ng
RT: 19.713 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:202 Resp: 150759

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.8	14.1	21.1



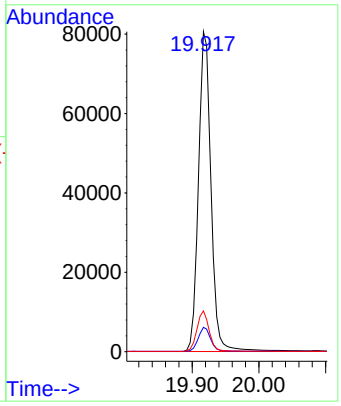


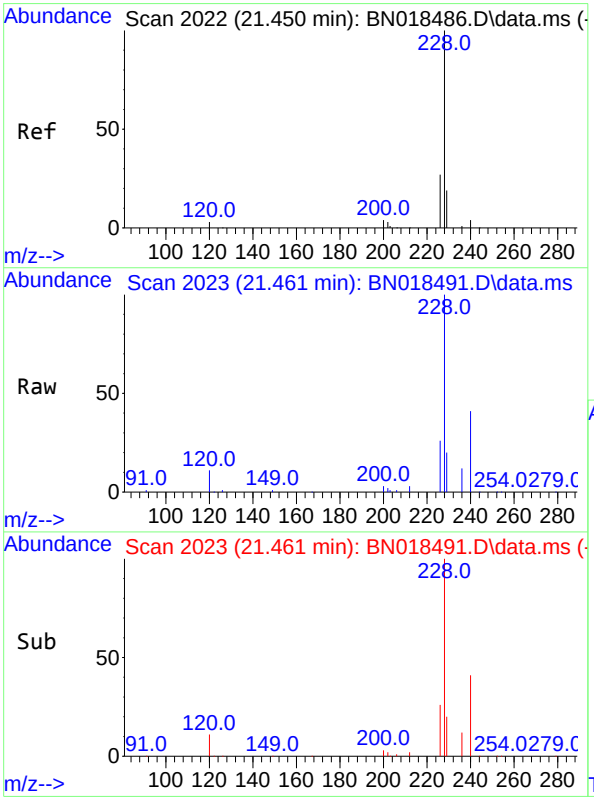
#31
Terphenyl-d14
Concen: 0.386 ng
RT: 19.917 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:244 Resp: 113350

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	12.7	7.9	11.9#

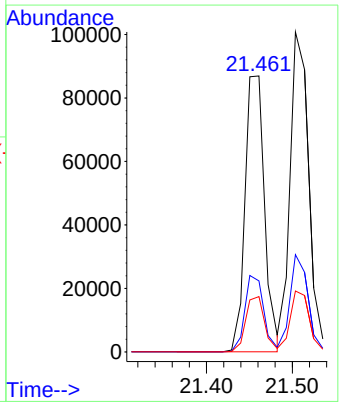


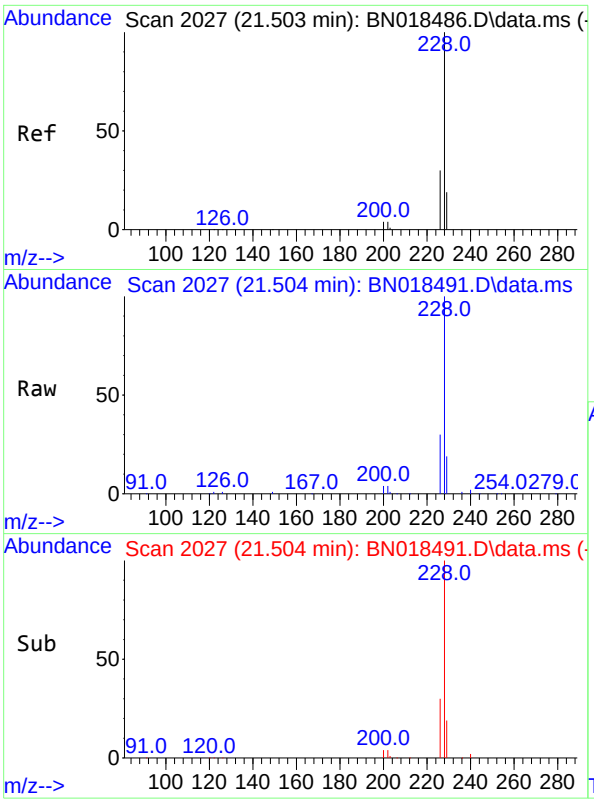


#32
Benzo(a)anthracene
Concen: 0.358 ng
RT: 21.461 min Scan# 2023
Delta R.T. 0.011 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:228 Resp: 137532

Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.3	31.9
229	20.1	15.9	23.9



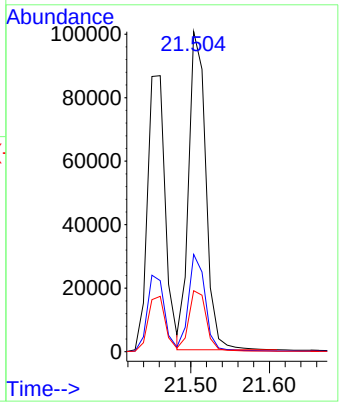


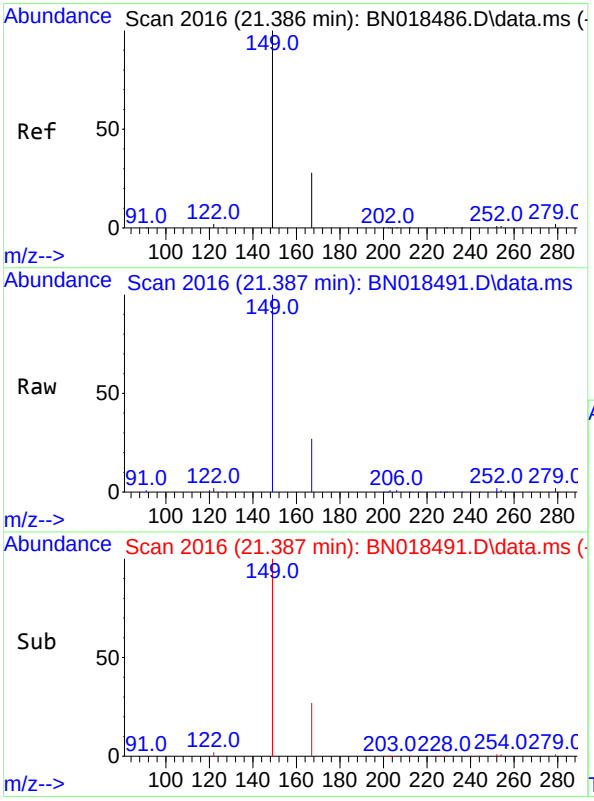
#33
Chrysene
Concen: 0.390 ng
RT: 21.504 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:228 Resp: 151595

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	19.0	15.5	23.3

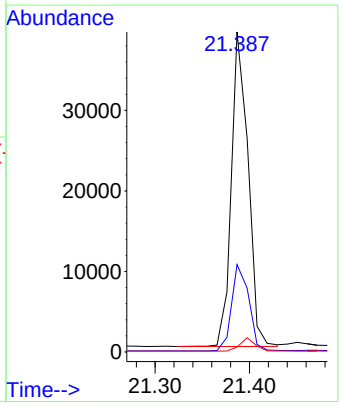


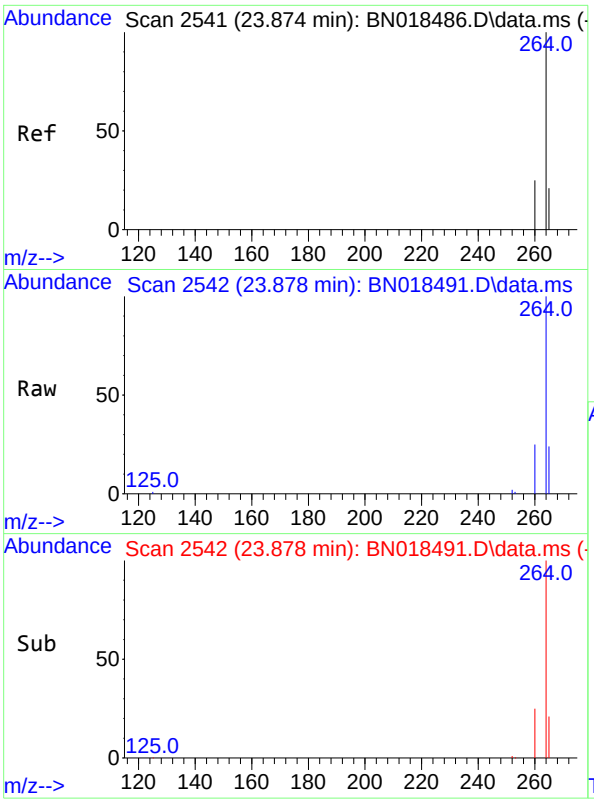


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.308 ng
RT: 21.387 min Scan# 2016
Delta R.T. 0.001 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:149 Resp: 47813

Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.7	35.5
279	3.9	3.6	5.4



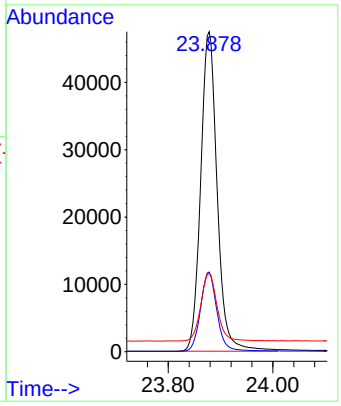


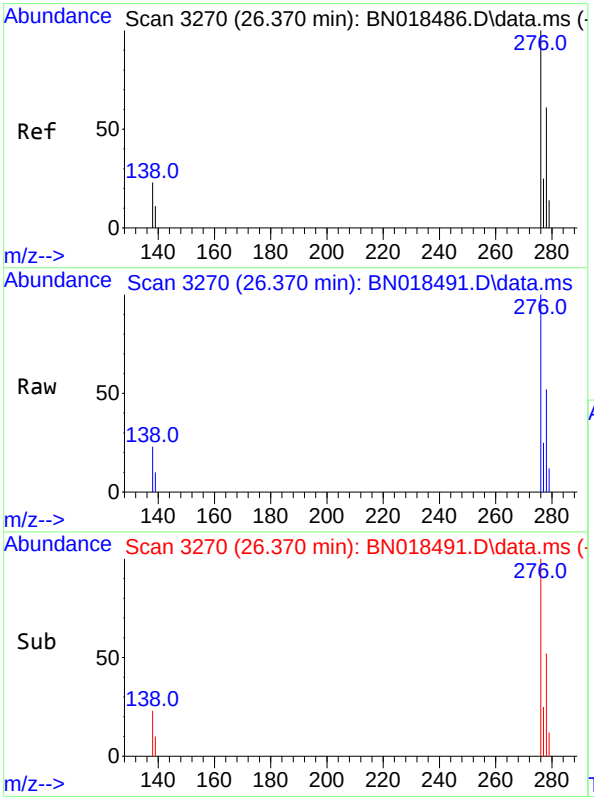
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.878 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:264 Resp: 103912

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	24.4	18.2	27.2

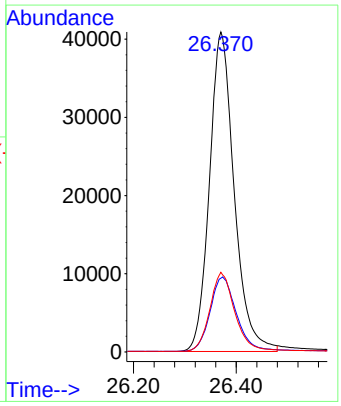


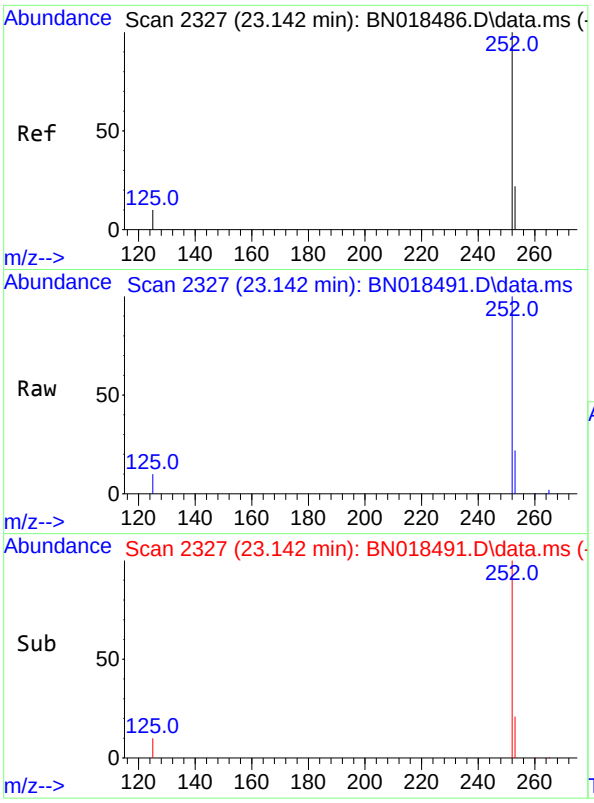


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 26.370 min Scan# 3270
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:276 Resp: 136500

Ion	Ratio	Lower	Upper
276	100		
138	24.6	14.9	22.3#
277	24.8	19.9	29.9



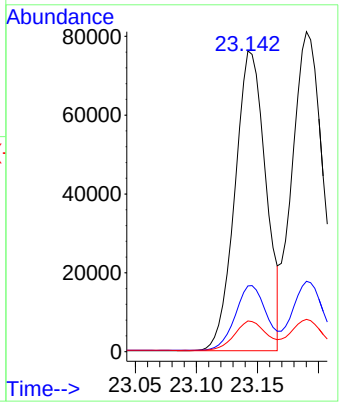


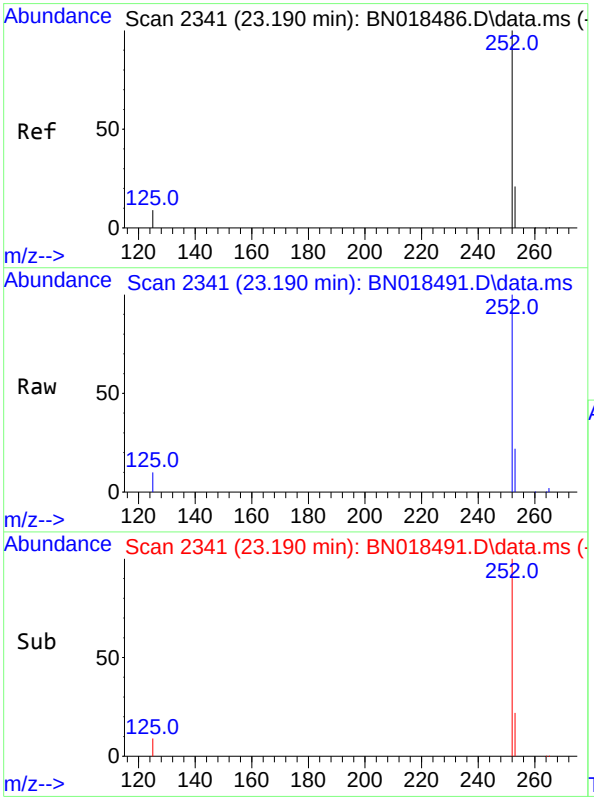
#37
Benzo(b)fluoranthene
Concen: 0.374 ng
RT: 23.142 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:252 Resp: 133738

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.2	6.0	9.0#

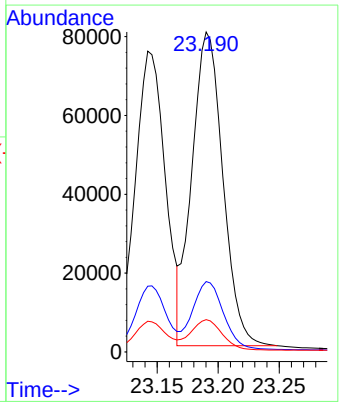


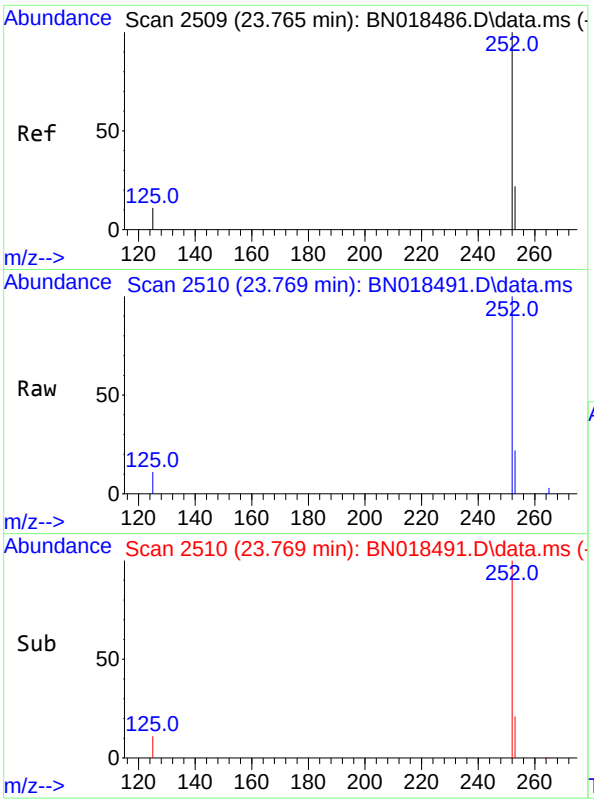


#38
Benzo(k)fluoranthene
Concen: 0.393 ng
RT: 23.190 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:252 Resp: 140640

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.1	6.2	9.2#



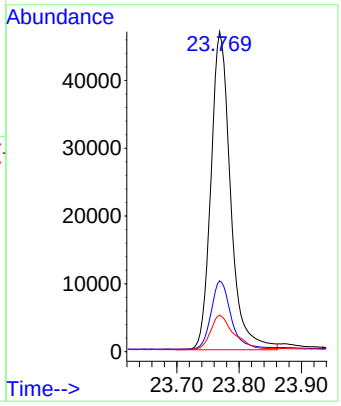


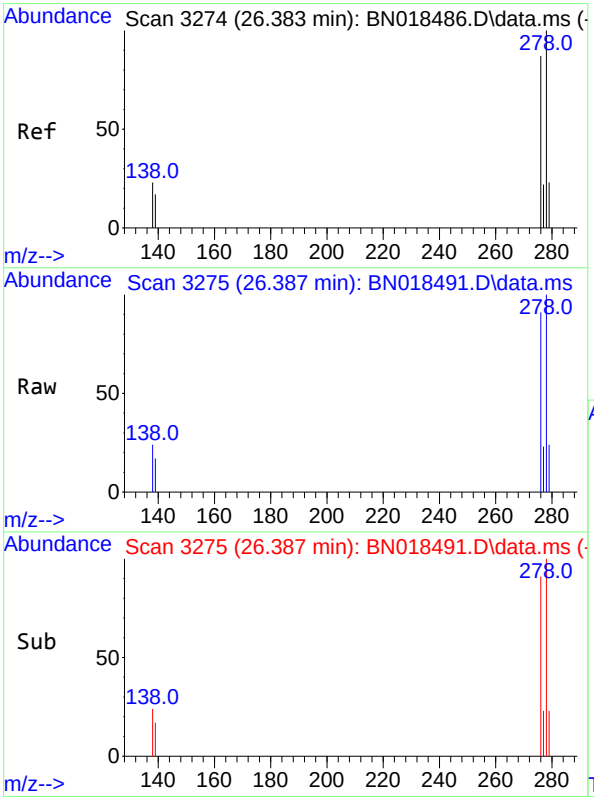
#39
Benzo(a)pyrene
Concen: 0.358 ng
RT: 23.769 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:252 Resp: 102439

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.4	7.0	10.4#

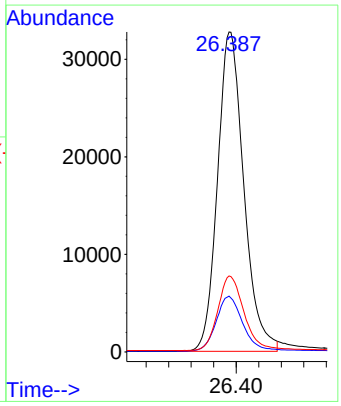


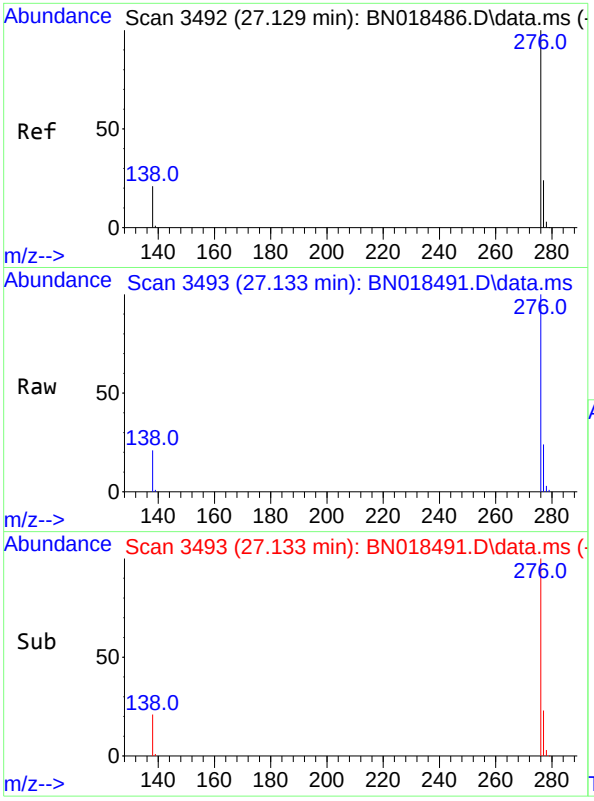


#40
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 26.387 min Scan# 3275
Delta R.T. 0.004 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Tgt Ion:278 Resp: 105978

Ion	Ratio	Lower	Upper
278	100		
139	17.5	10.8	16.2#
279	23.8	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.367 ng
RT: 27.133 min Scan# 34
Delta R.T. 0.004 min
Lab File: BN018491.D
Acq: 27 Jan 2022 15:38

Instrument :
BNA_N
ClientSampleId :
ICVBN012722

Tgt Ion:276 Resp: 119240

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	21.3	12.6	19.0#