Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012422\
Data File : BN018455.D
Acq On : 24 Jan 2022 17:29
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Quant Time: Jan 25 05:45:42 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 24 18:25:49 2022
Response via : Initial Calibration

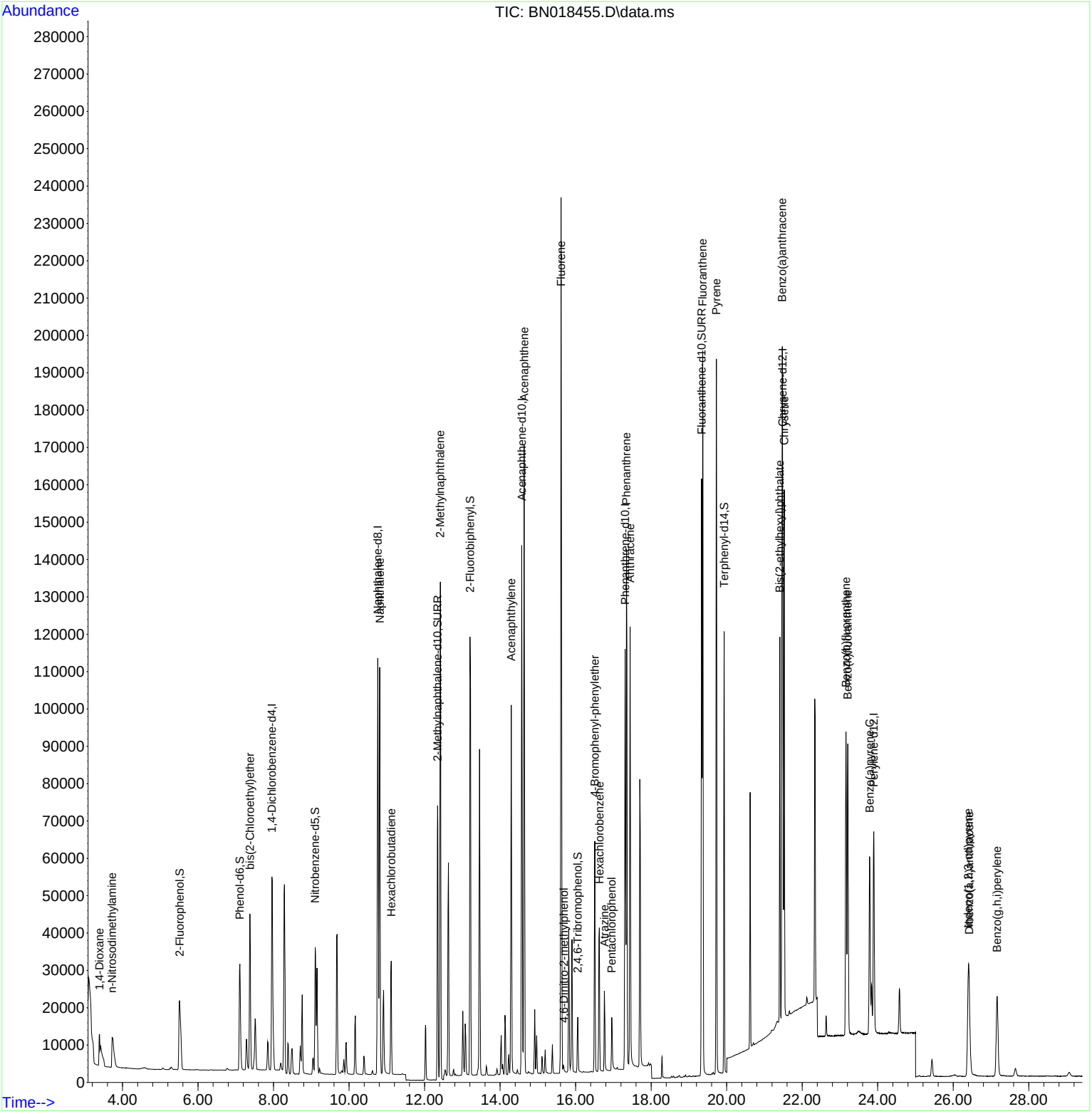
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	32758	0.400	ng	0.00
7) Naphthalene-d8	10.762	136	145844	0.400	ng	0.00
13) Acenaphthene-d10	14.573	164	78470	0.400	ng	0.00
19) Phenanthrene-d10	17.310	188	146275	0.400	ng	0.00
29) Chrysene-d12	21.482	240	103200	0.400	ng	#-0.01
35) Perylene-d12	23.895	264	76302	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.513	112	32708	0.402	ng	0.00
5) Phenol-d6	7.108	99	35128	0.398	ng	0.00
8) Nitrobenzene-d5	9.101	82	30959	0.368	ng	-0.01
11) 2-Methylnaphthalene-d10	12.345	152	96184	0.393	ng	0.00
14) 2,4,6-Tribromophenol	16.056	330	8694	0.368	ng	0.00
15) 2-Fluorobiphenyl	13.203	172	113331	0.403	ng	-0.01
27) Fluoranthene-d10	19.336	212	174818	0.396	ng	0.00
31) Terphenyl-d14	19.932	244	124112	0.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.392	88	6507	0.380	ng	# 61
3) n-Nitrosodimethylamine	3.724	42	10622	0.394	ng	98
6) bis(2-Chloroethyl)ether	7.375	93	36452	0.409	ng	99
9) Naphthalene	10.812	128	141339	0.398	ng	100
10) Hexachlorobutadiene	11.116	225	27320	0.389	ng	# 100
12) 2-Methylnaphthalene	12.416	142	99857	0.404	ng	99
16) Acenaphthylene	14.294	152	106672	0.367	ng	100
17) Acenaphthene	14.637	154	81343	0.393	ng	97
18) Fluorene	15.614	166	99032	0.397	ng	100
20) 4,6-Dinitro-2-methylph...	15.690	198	1443	0.322	ng	93
21) 4-Bromophenyl-phenylether	16.506	248	30210	0.385	ng	94
22) Hexachlorobenzene	16.628	284	33721	0.388	ng	# 92
23) Atrazine	16.762	200	17341	0.331	ng	94
24) Pentachlorophenol	16.957	266	7970	0.393	ng	99
25) Phenanthrene	17.346	178	154054	0.397	ng	100
26) Anthracene	17.444	178	123257	0.375	ng	99
28) Fluoranthene	19.366	202	173229	0.408	ng	# 98
30) Pyrene	19.728	202	173858	0.395	ng	99
32) Benzo(a)anthracene	21.472	228	125770	0.385	ng	99
33) Chrysene	21.525	228	128546	0.398	ng	97
34) Bis(2-ethylhexyl)phtha...	21.408	149	84395	0.328	ng	97
36) Indeno(1,2,3-cd)pyrene	26.397	276	46682	0.344	ng	# 90
37) Benzo(b)fluoranthene	23.159	252	109697	0.399	ng	# 94
38) Benzo(k)fluoranthene	23.207	252	99453	0.411	ng	# 86
39) Benzo(a)pyrene	23.786	252	77498	0.385	ng	# 90
40) Dibenzo(a,h)anthracene	26.421	278	30125	0.387	ng	# 80
41) Benzo(g,h,i)perylene	27.161	276	49978	0.362	ng	# 92

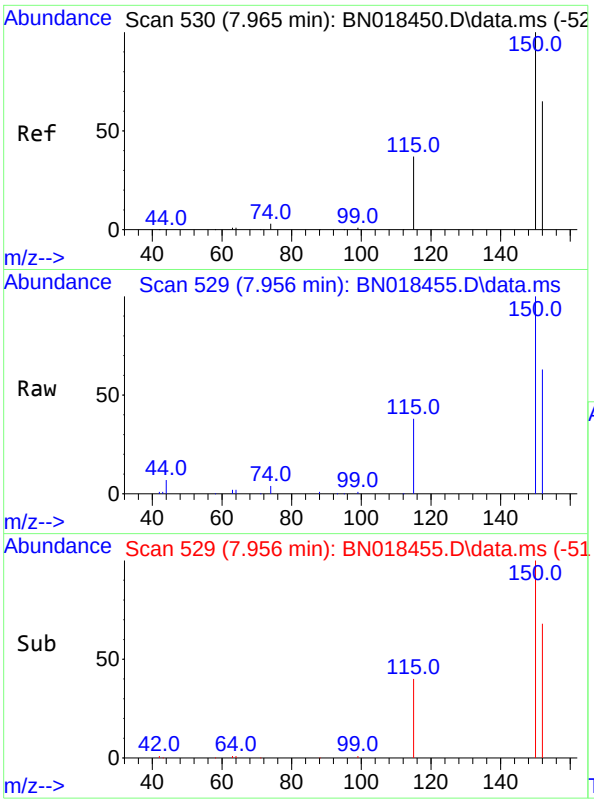
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012422\
Data File : BN018455.D
Acq On : 24 Jan 2022 17:29
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Quant Time: Jan 25 05:45:42 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 24 18:25:49 2022
Response via : Initial Calibration



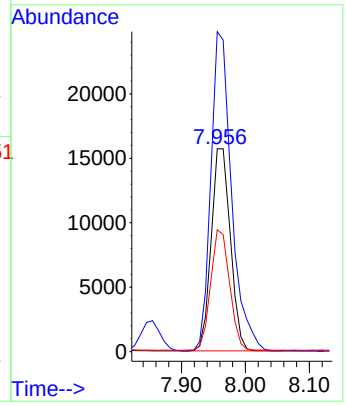


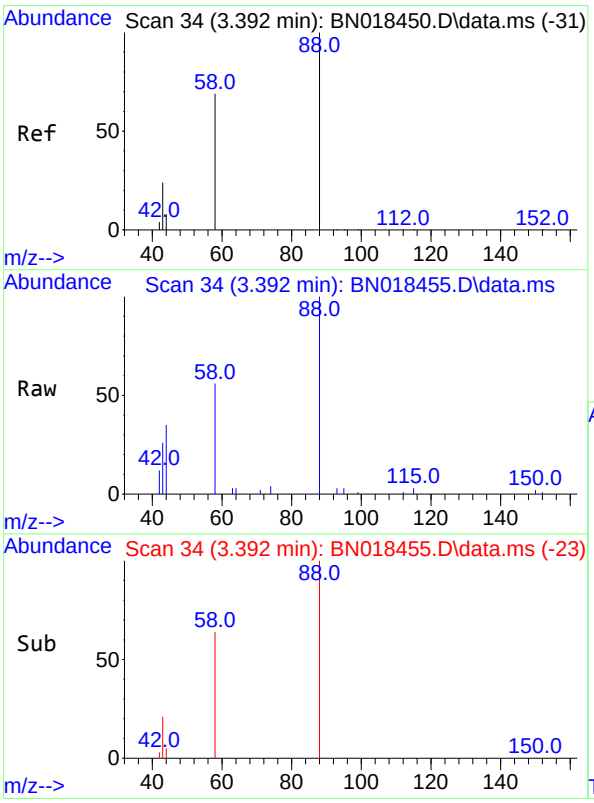
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.956 min Scan# 5
Delta R.T. -0.009 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:152 Resp: 32758

Ion	Ratio	Lower	Upper
152	100		
150	157.8	121.7	182.5
115	60.1	43.8	65.8

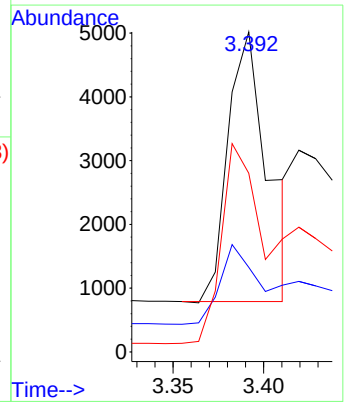


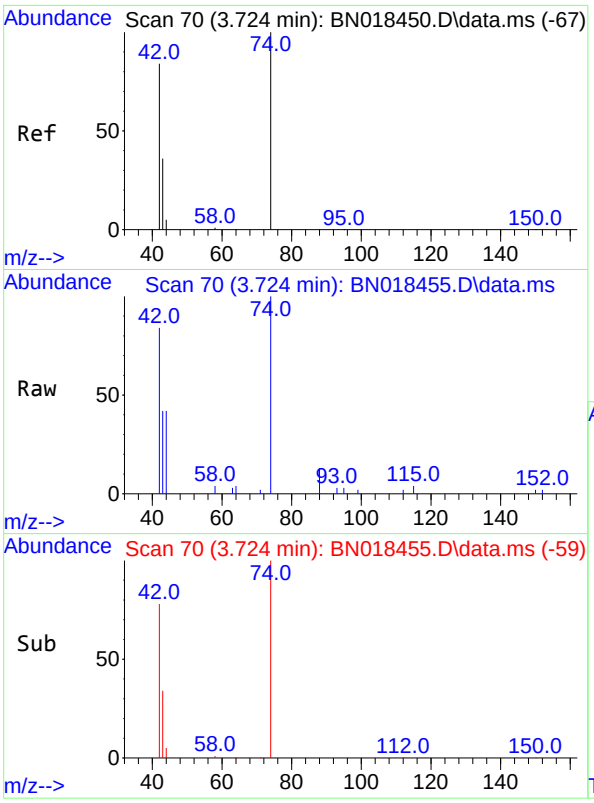


#2
1,4-Dioxane
Concen: 0.380 ng
RT: 3.392 min Scan# 34
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion: 88 Resp: 6507

Ion	Ratio	Lower	Upper
88	100		
43	31.7	69.7	104.5#
58	81.9	83.8	125.8#



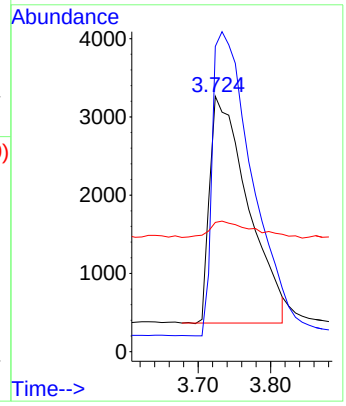


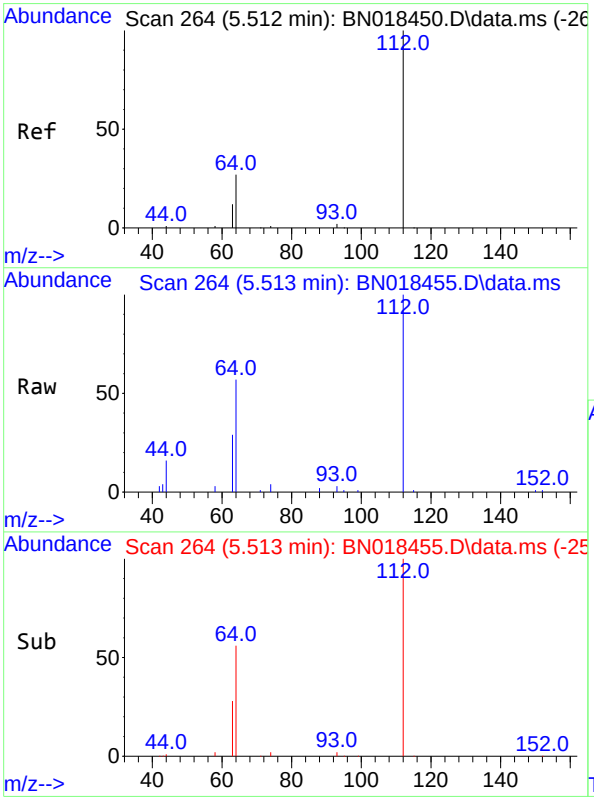
#3
n-Nitrosodimethylamine
Concen: 0.394 ng
RT: 3.724 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion: 42 Resp: 10622

Ion	Ratio	Lower	Upper
42	100		
74	138.3	108.6	163.0
44	7.7	5.8	8.8

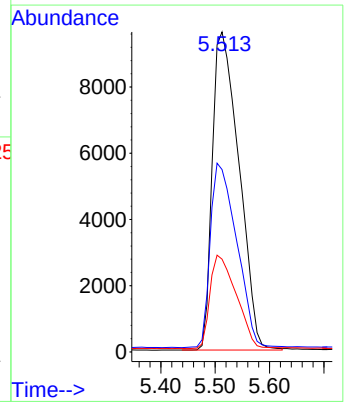


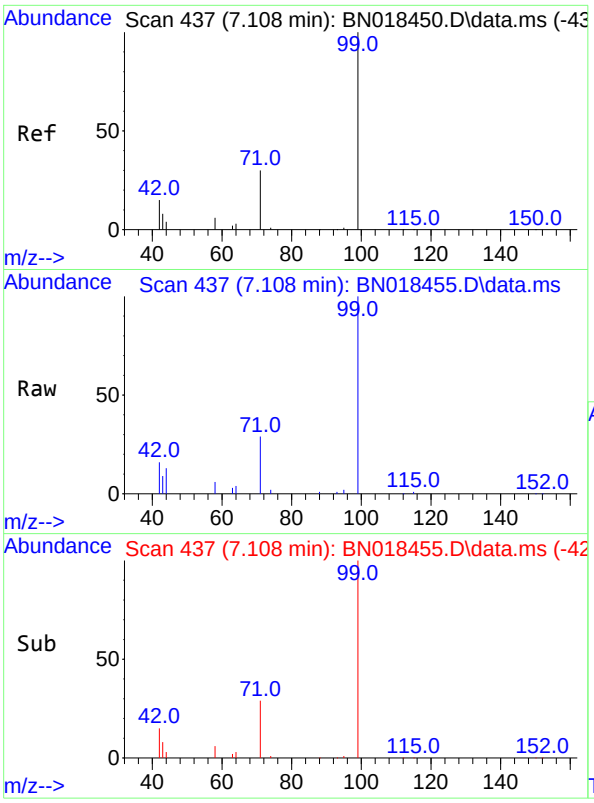


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 5.513 min Scan# 264
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:112 Resp: 32708

Ion	Ratio	Lower	Upper
112	100		
64	57.5	48.0	72.0
63	29.1	25.3	37.9



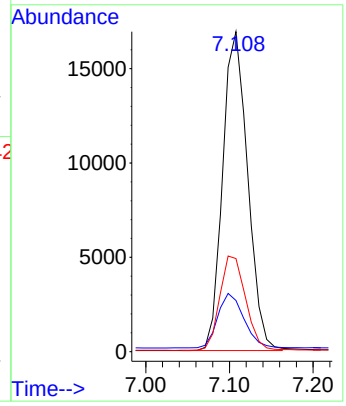


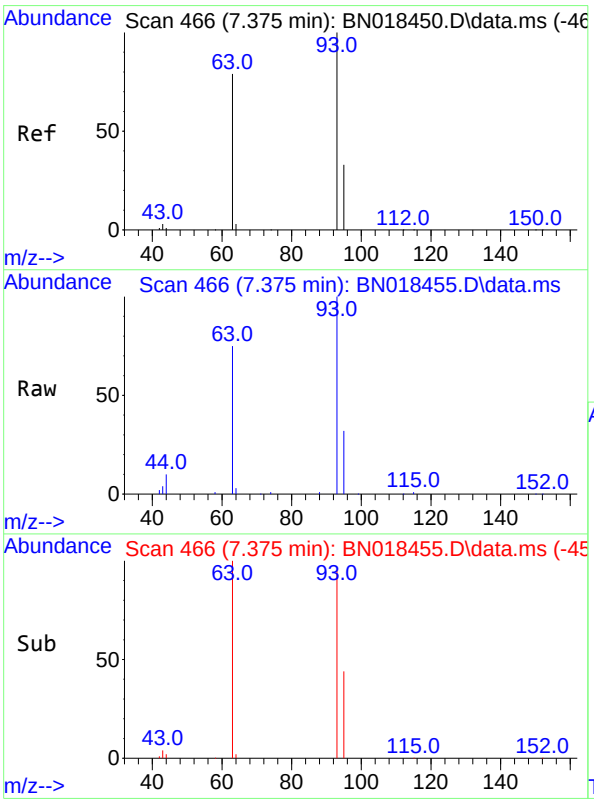
#5
Phenol-d6
Concen: 0.398 ng
RT: 7.108 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion: 99 Resp: 35128

Ion	Ratio	Lower	Upper
99	100		
42	18.0	16.3	24.5
71	30.5	26.8	40.2

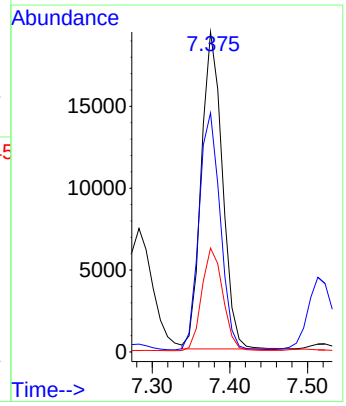


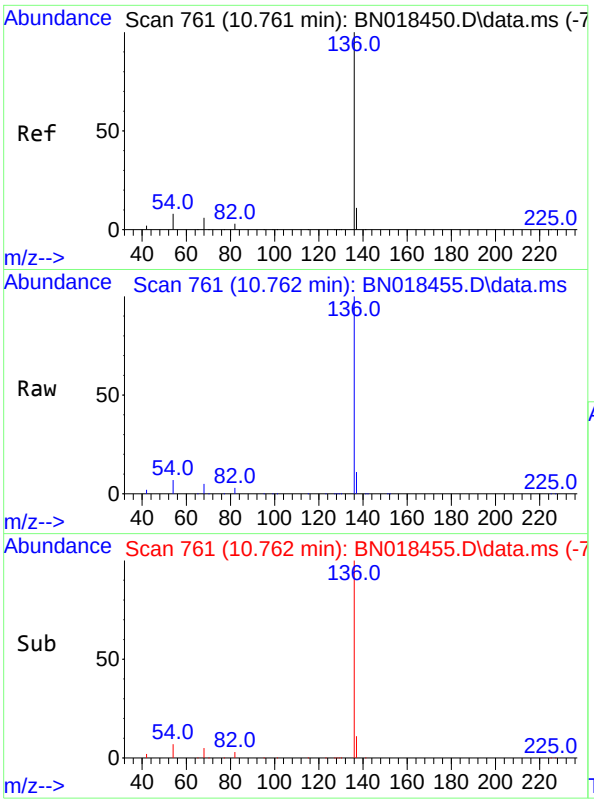


#6
bis(2-Chloroethyl)ether
Concen: 0.409 ng
RT: 7.375 min Scan# 466
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion: 93 Resp: 36452

Ion	Ratio	Lower	Upper
93	100		
63	75.5	61.7	92.5
95	32.5	26.2	39.4



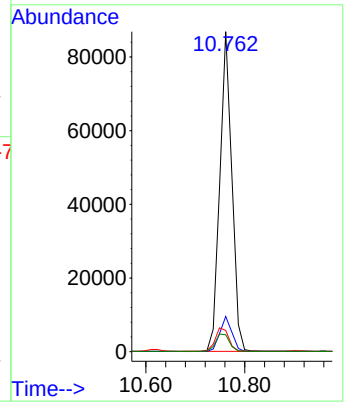


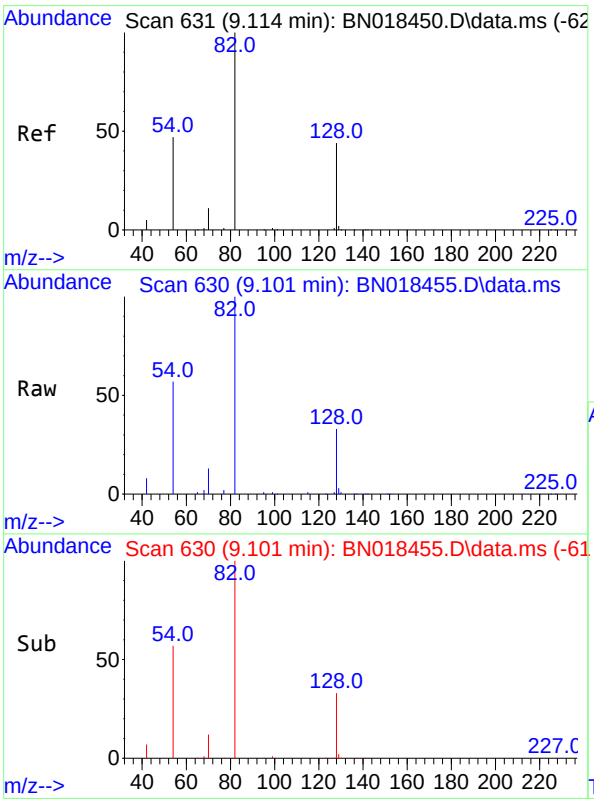
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.762 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:136 Resp: 145844

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.0	7.6
68	5.3	4.4	6.6

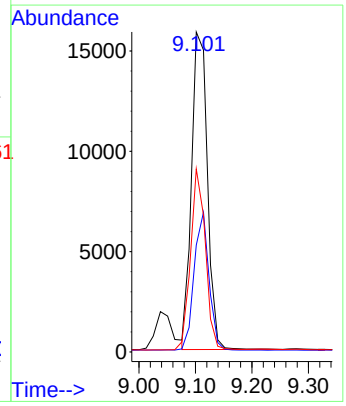


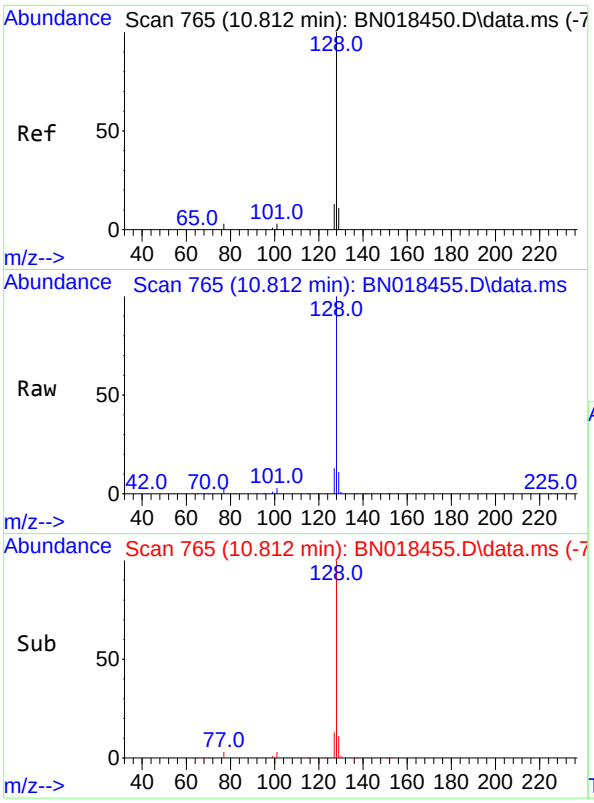


#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 9.101 min Scan# 630
Delta R.T. -0.013 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion: 82 Resp: 30959

Ion	Ratio	Lower	Upper
82	100		
128	33.4	33.7	50.5#
54	57.2	36.6	55.0#



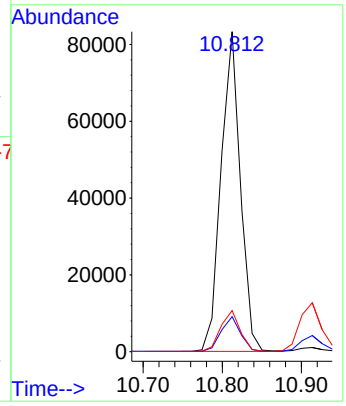


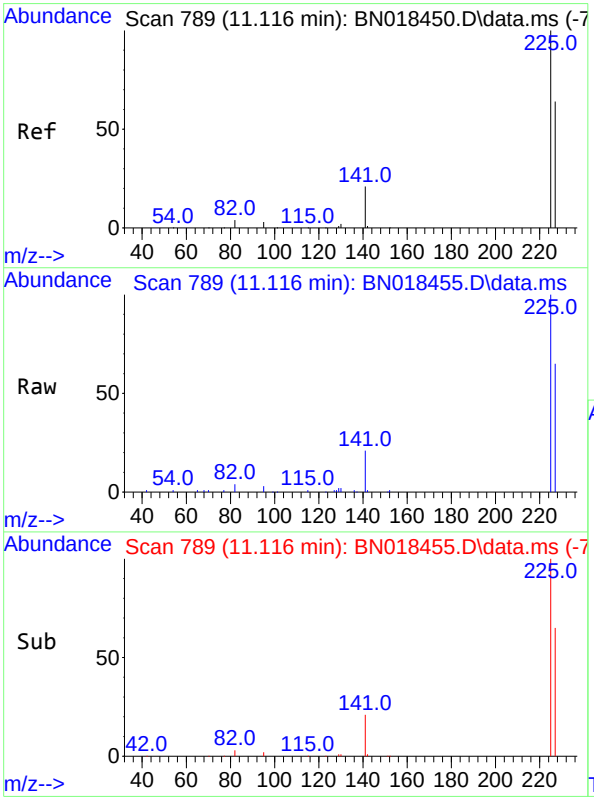
#9
Naphthalene
Concen: 0.398 ng
RT: 10.812 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:128 Resp: 141339

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.9	10.4	15.6

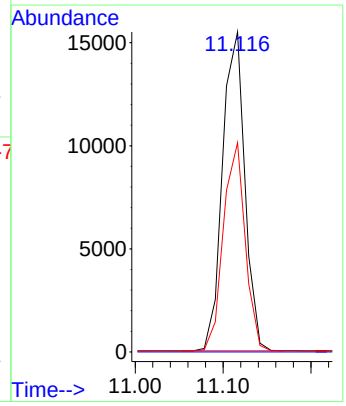


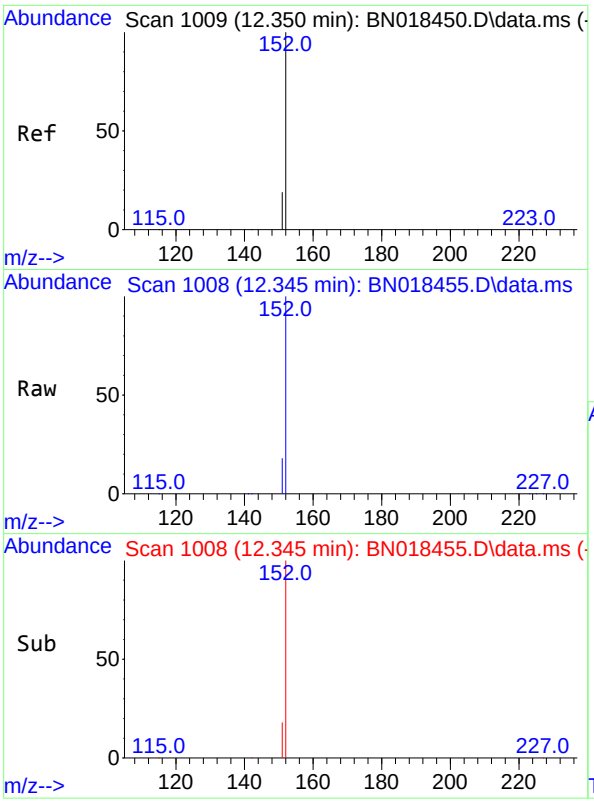


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 11.116 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:225 Resp: 27320

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.0	76.6



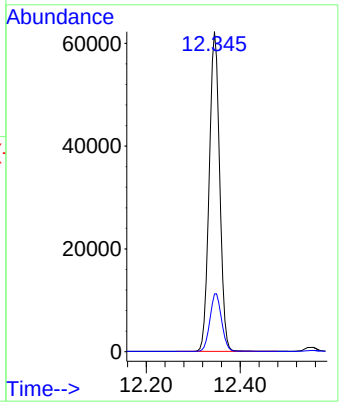


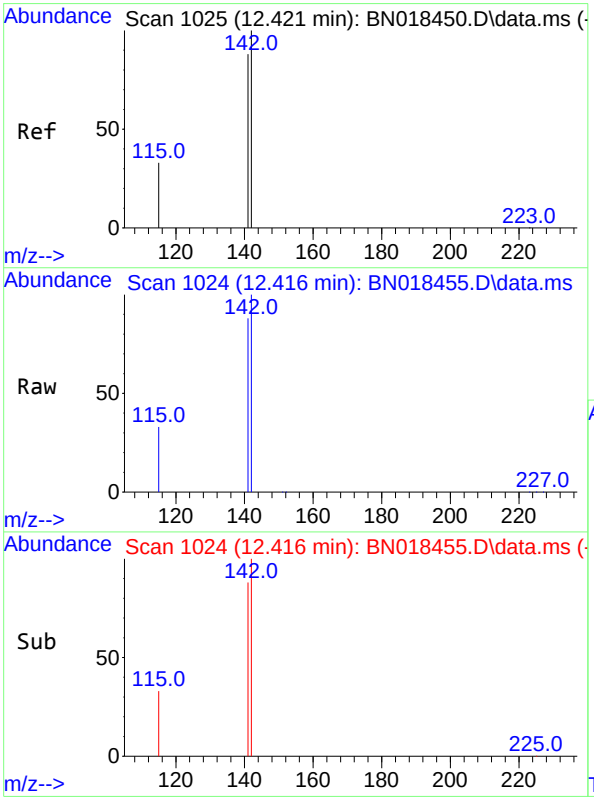
#11
2-Methylnaphthalene-d10
Concen: 0.393 ng
RT: 12.345 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:152 Resp: 96184

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

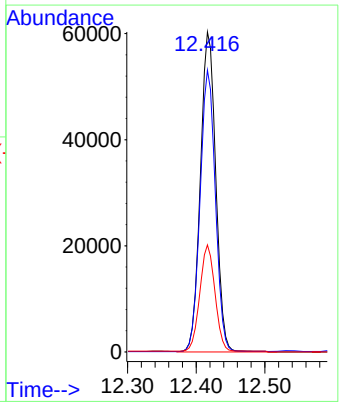


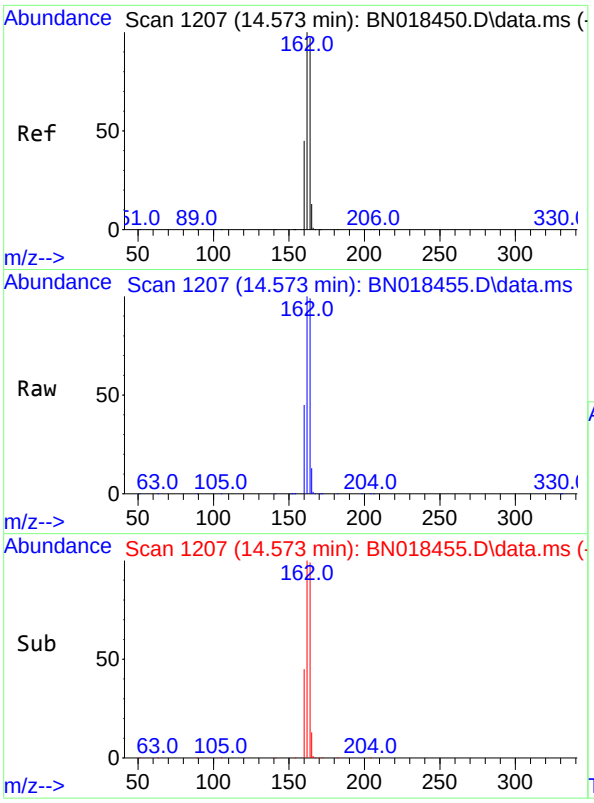


#12
2-Methylnaphthalene
Concen: 0.404 ng
RT: 12.416 min Scan# 1024
Delta R.T. -0.004 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:142 Resp: 99857

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.0	105.0
115	33.5	27.8	41.8



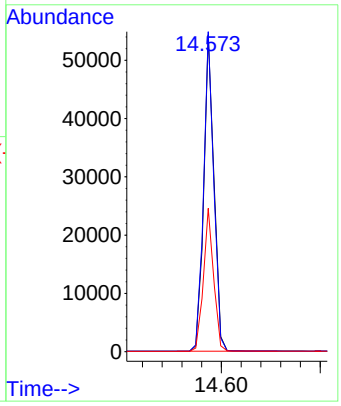


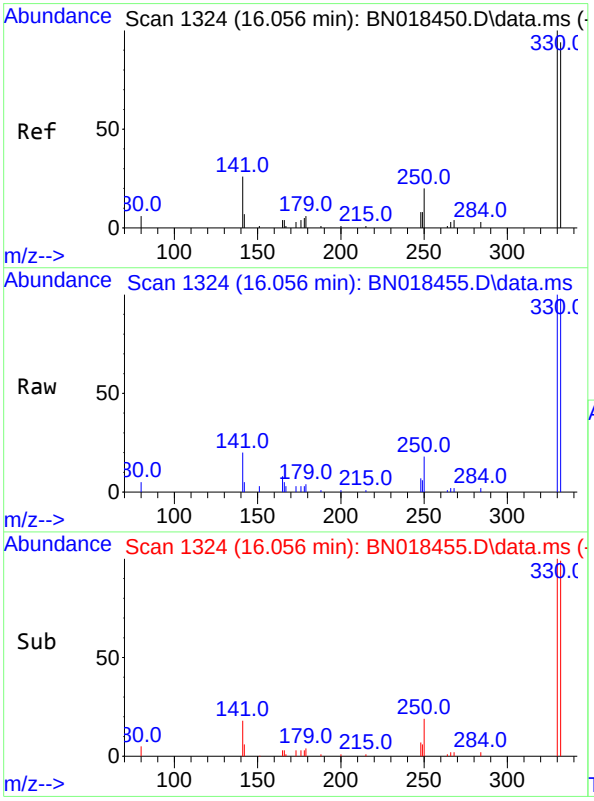
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:164 Resp: 78470

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.2	120.2
160	45.2	36.9	55.3

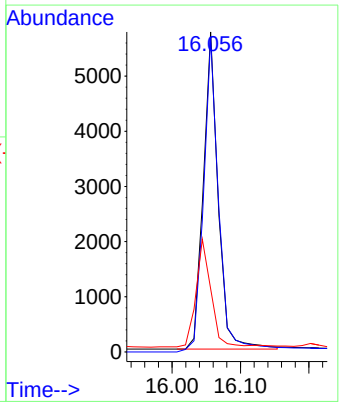


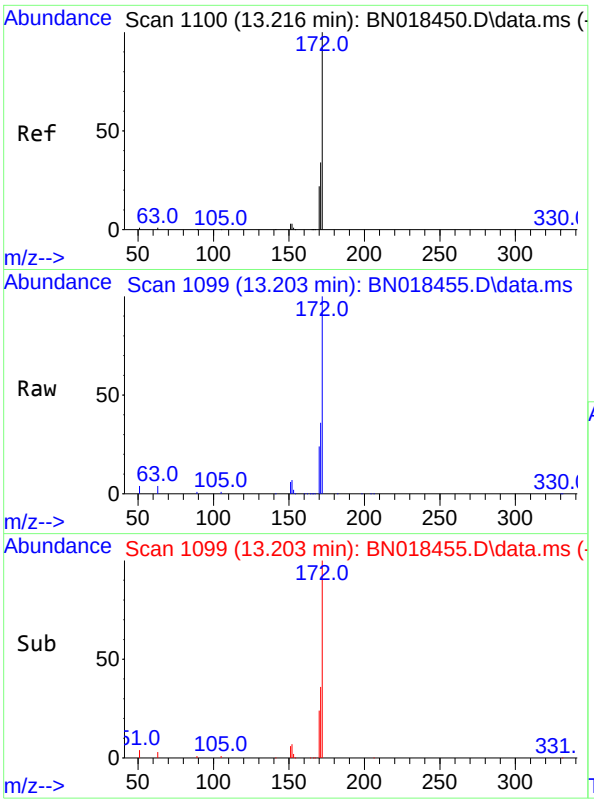


#14
2,4,6-Tribromophenol
Concen: 0.368 ng
RT: 16.056 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:330 Resp: 8694

Ion	Ratio	Lower	Upper
330	100		
332	102.6	0.0	0.0#
141	34.6	21.3	31.9#



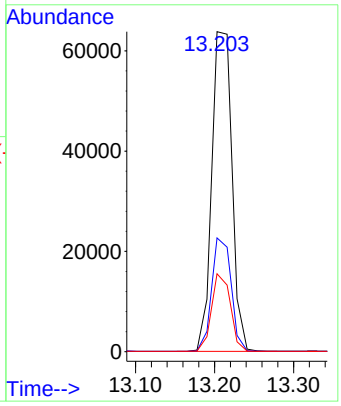


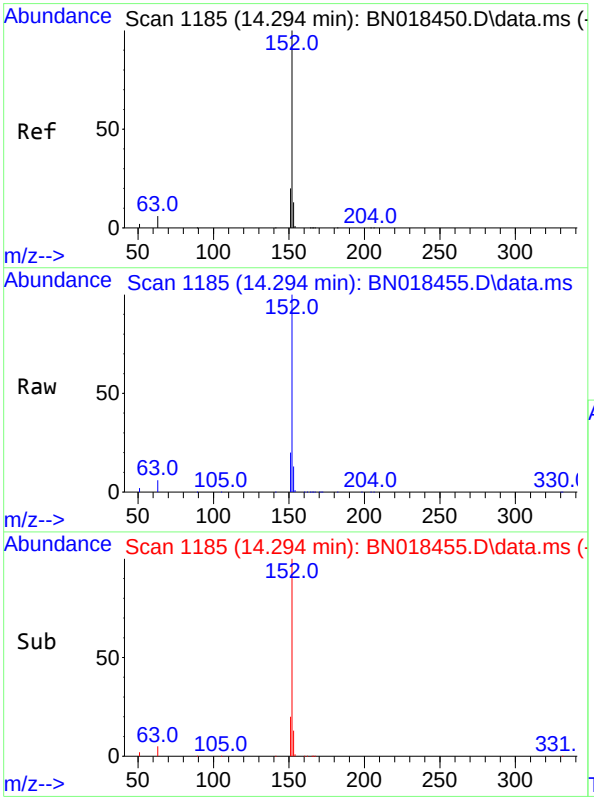
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.203 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:172 Resp: 113331

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.4	41.0
170	24.4	18.4	27.6

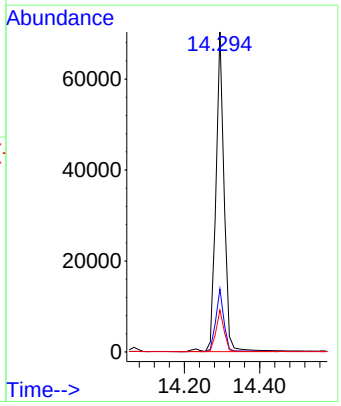


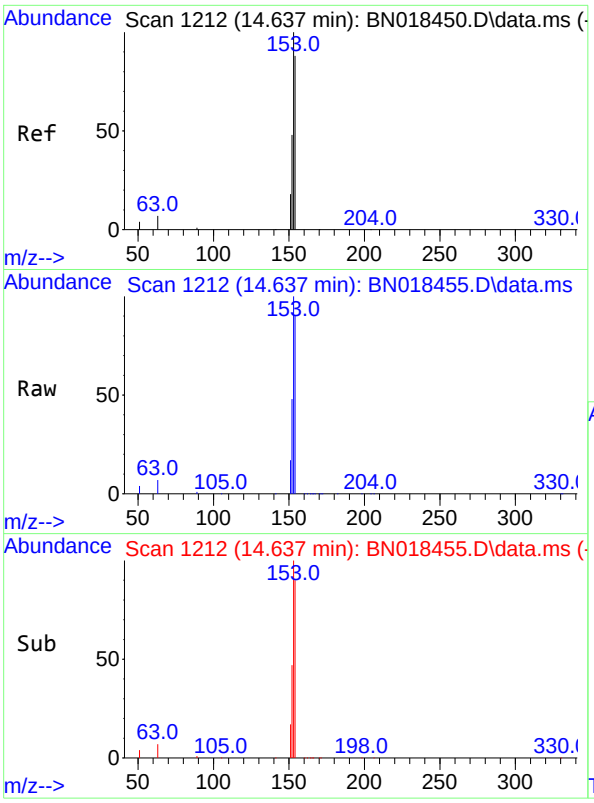


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:152 Resp: 106672

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



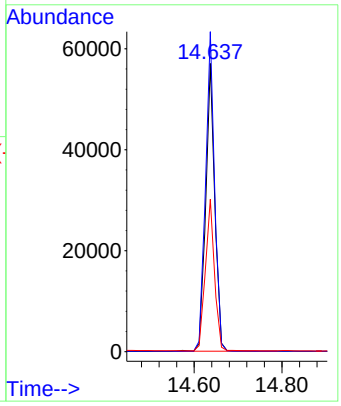


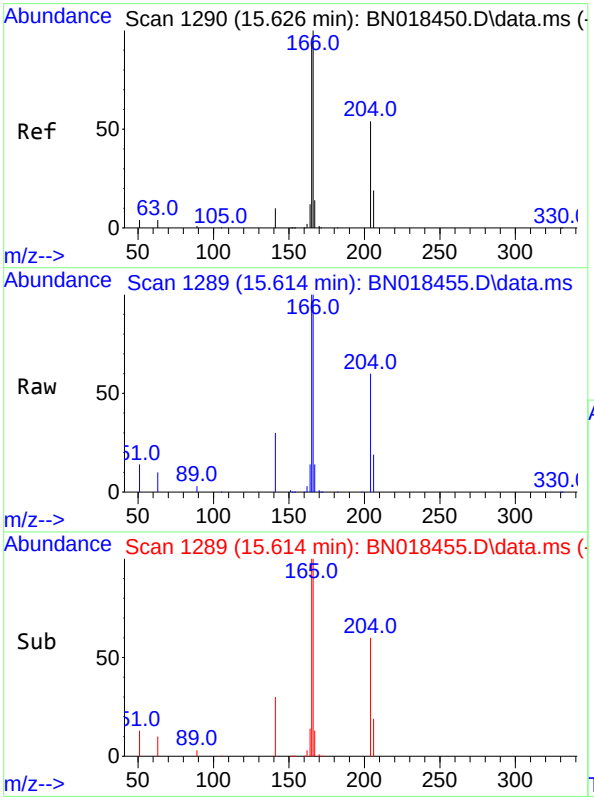
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.637 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:154 Resp: 81343

Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.9	136.3
152	53.5	45.0	67.4

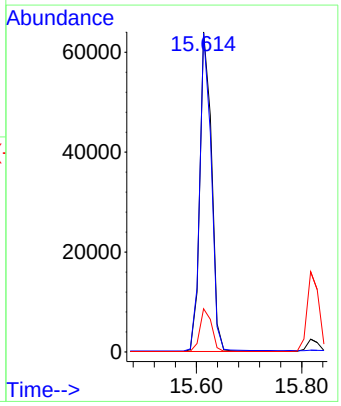


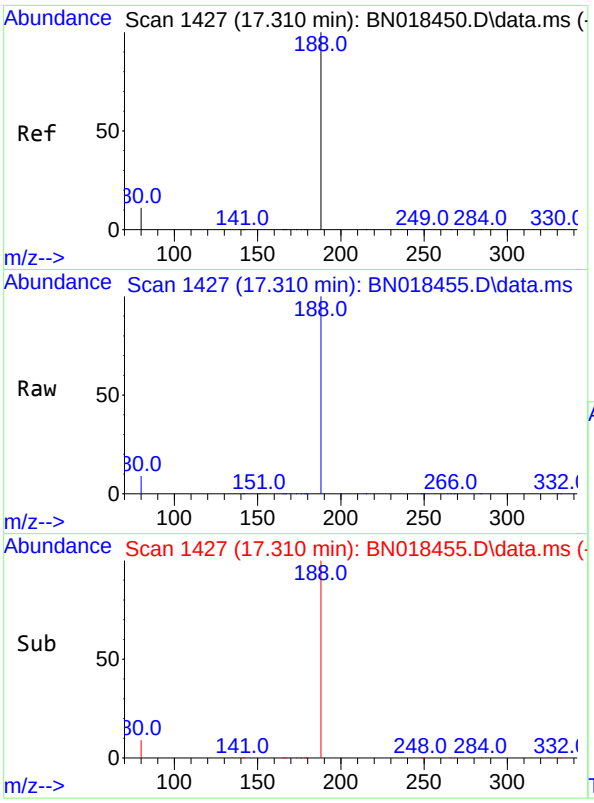


#18
Fluorene
Concen: 0.397 ng
RT: 15.614 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:166 Resp: 99032

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.8	116.6
167	13.6	10.9	16.3



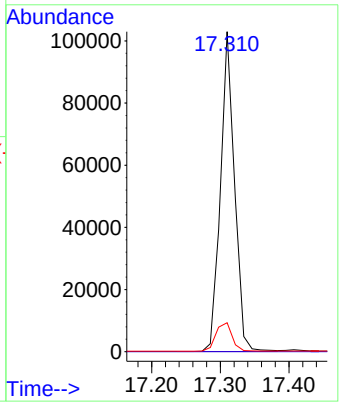


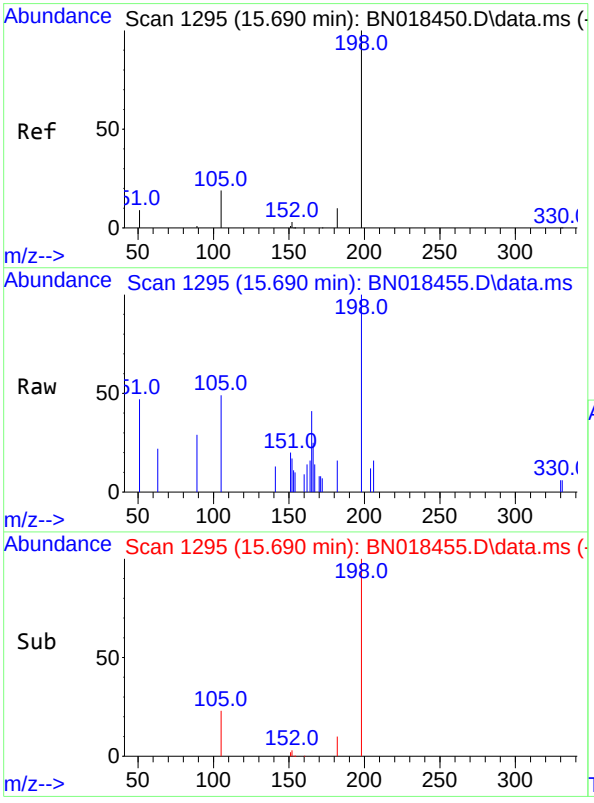
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.310 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:188 Resp: 146275

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.0	10.4

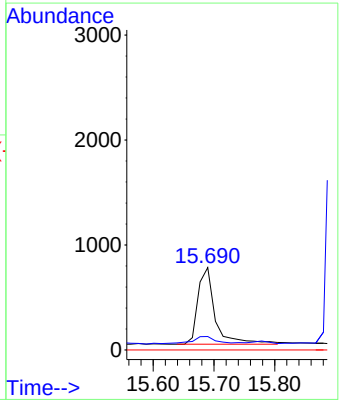


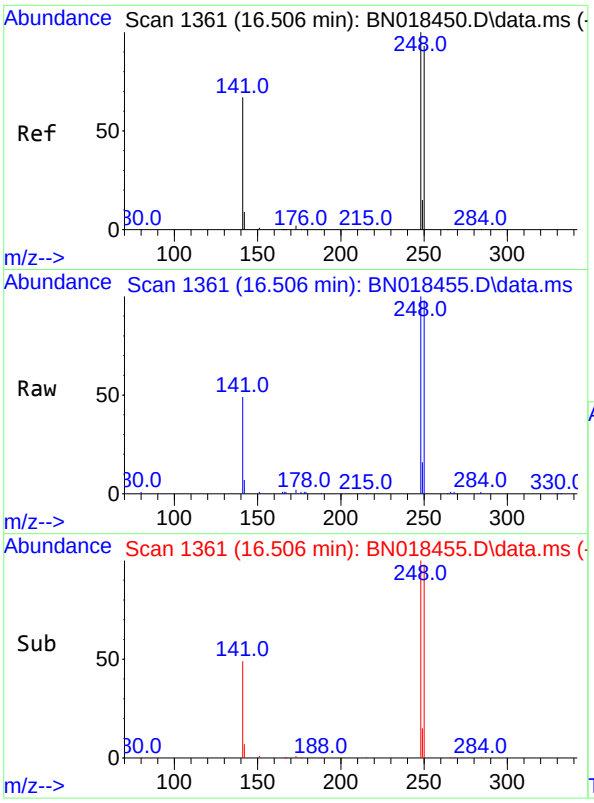


#20
4,6-Dinitro-2-methylphenol
Concen: 0.322 ng
RT: 15.690 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:198 Resp: 1443

Ion	Ratio	Lower	Upper
198	100		
182	16.4	15.5	23.3
77	0.0	0.0	0.0



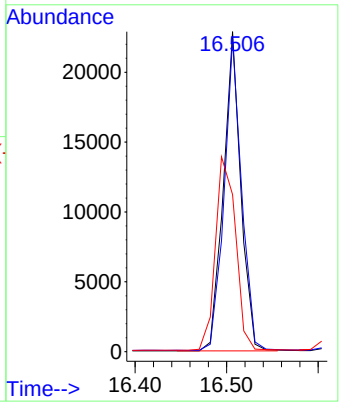


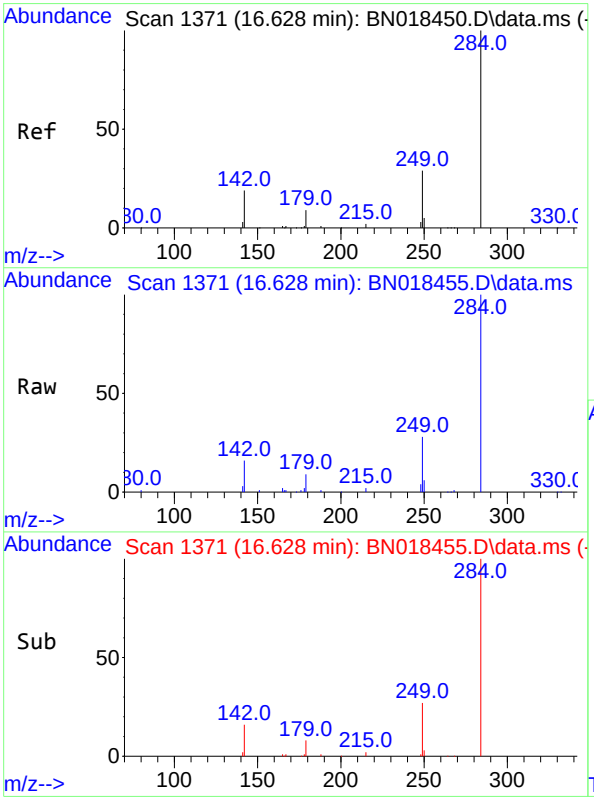
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.506 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:248 Resp: 30210

Ion	Ratio	Lower	Upper
248	100		
250	97.8	74.4	111.6
141	49.1	43.7	65.5

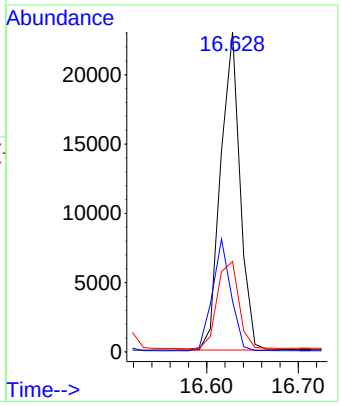


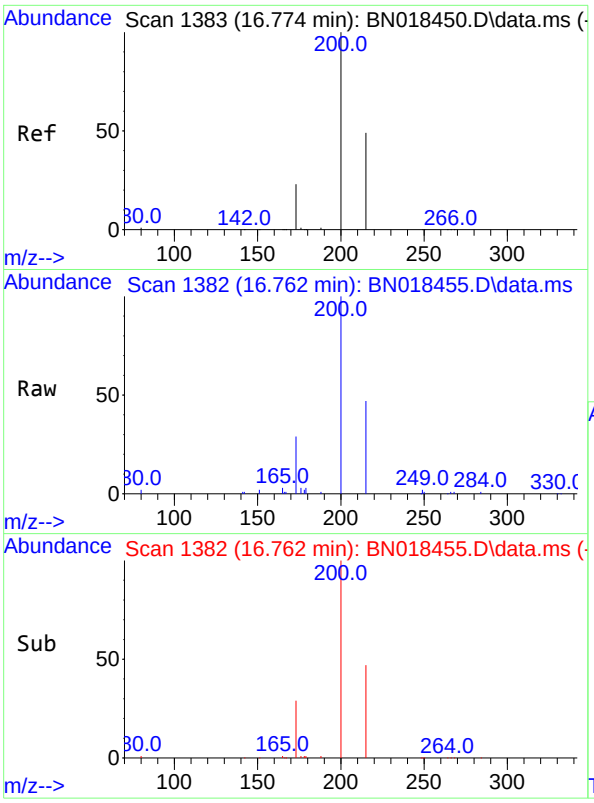


#22
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.628 min Scan# 1371
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:284 Resp: 33721

Ion	Ratio	Lower	Upper
284	100		
142	33.8	21.6	32.4#
249	30.7	23.5	35.3



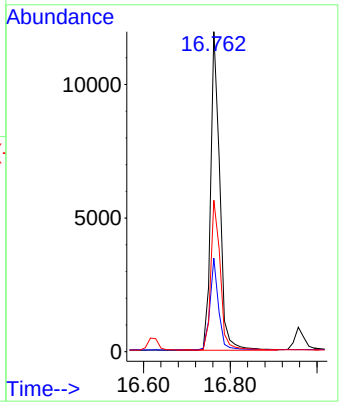


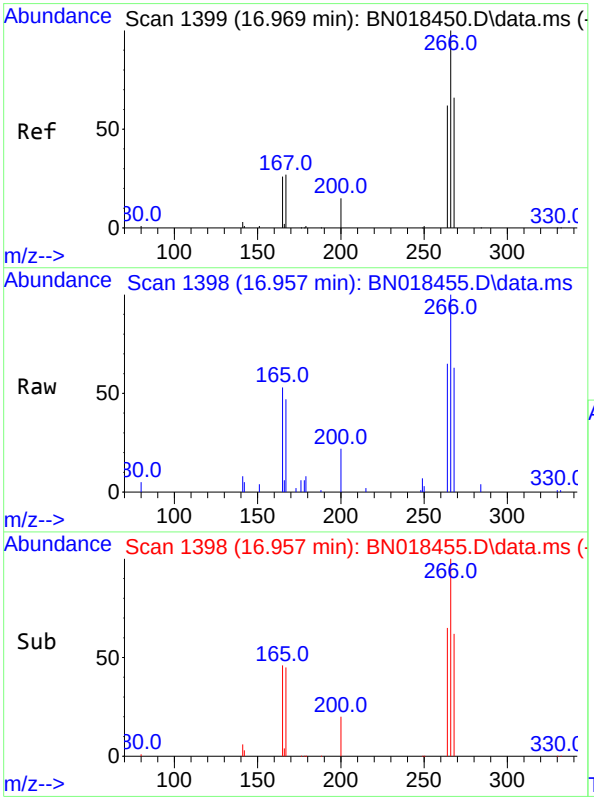
#23
Atrazine
Concen: 0.331 ng
RT: 16.762 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:200 Resp: 17341

Ion	Ratio	Lower	Upper
200	100		
173	29.2	20.3	30.5
215	47.3	40.4	60.6

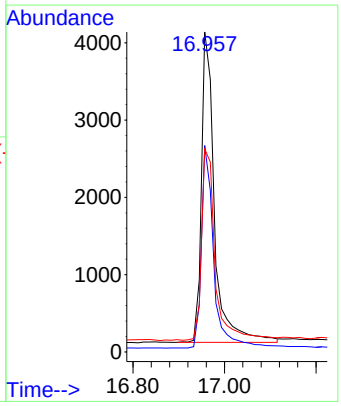


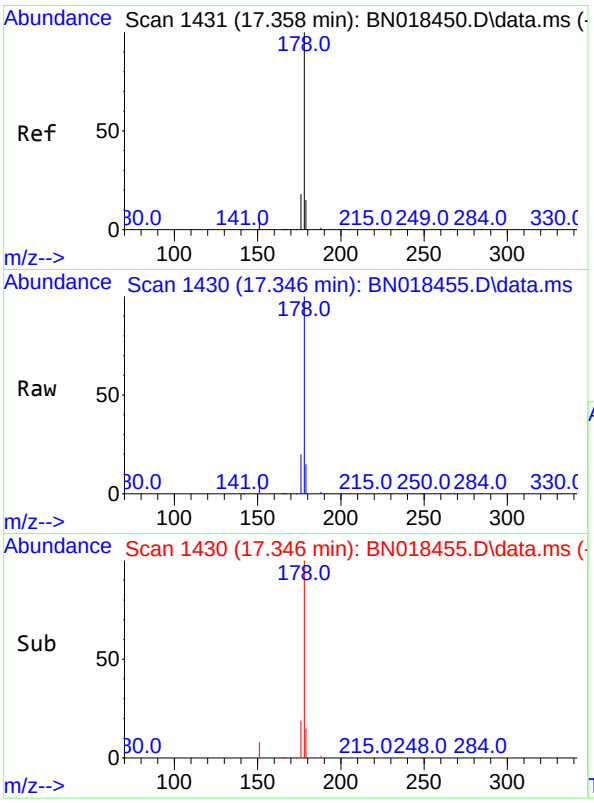


#24
Pentachlorophenol
Concen: 0.393 ng
RT: 16.957 min Scan# 1398
Delta R.T. -0.012 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:266 Resp: 7970

Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.5	74.3
268	64.3	50.6	76.0



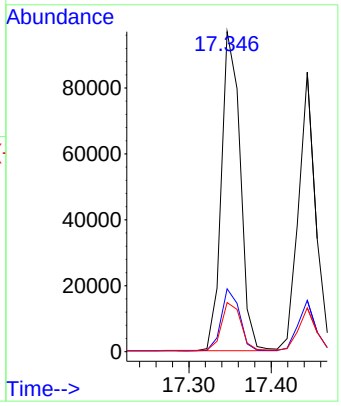


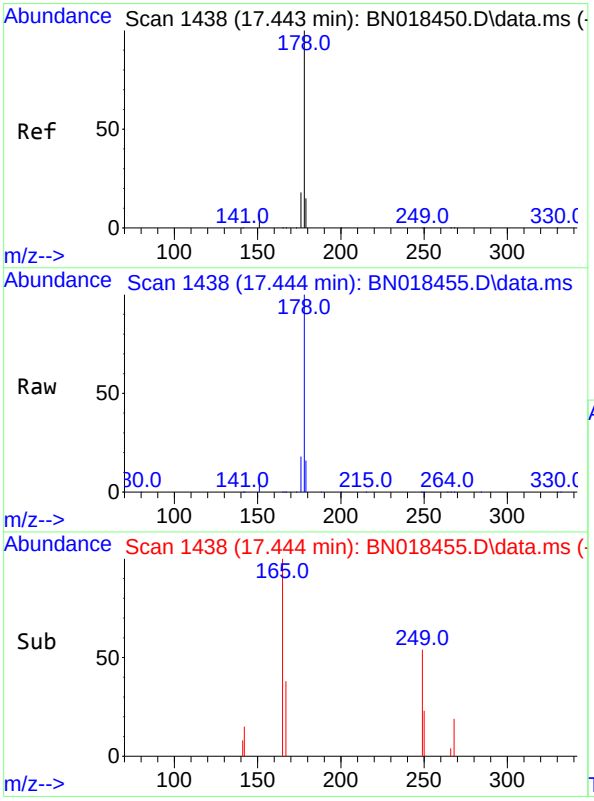
#25
Phenanthrene
Concen: 0.397 ng
RT: 17.346 min Scan# 14
Delta R.T. -0.012 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:178 Resp: 154054

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.7	12.3	18.5

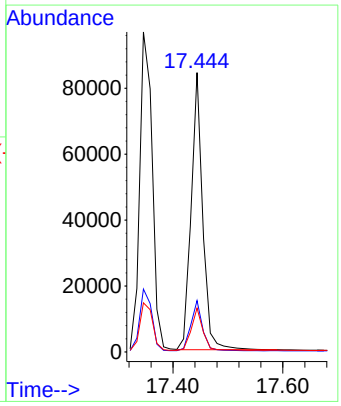


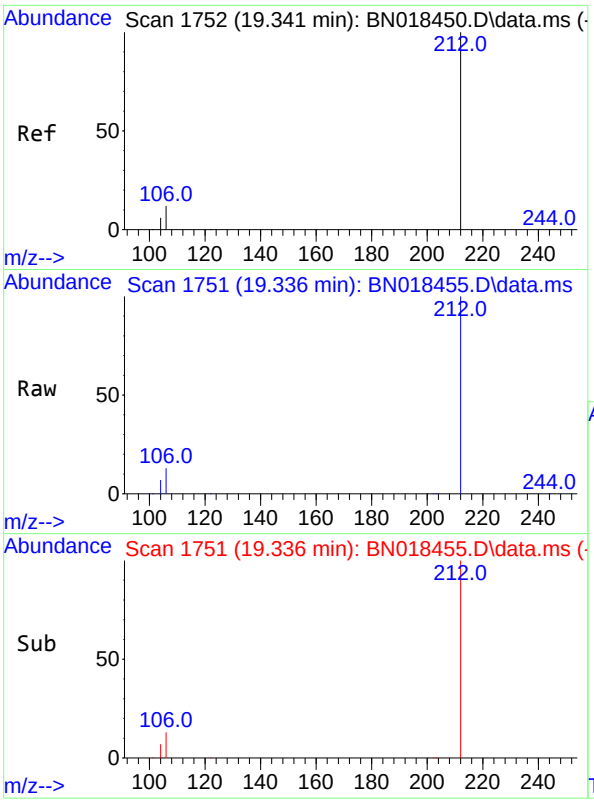


#26
Anthracene
Concen: 0.375 ng
RT: 17.444 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:178 Resp: 123257

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.2	12.2	18.4



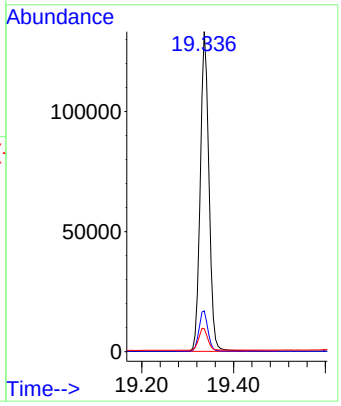


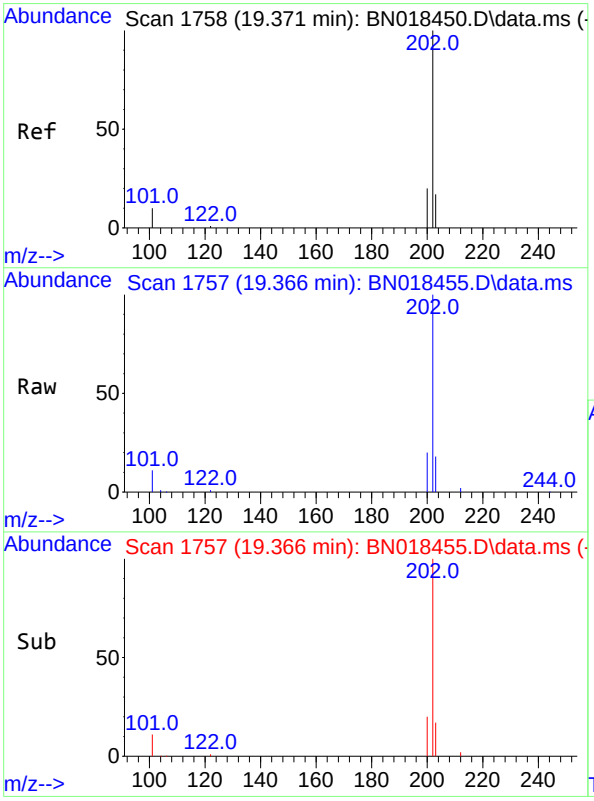
#27
Fluoranthene-d10
Concen: 0.396 ng
RT: 19.336 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:212 Resp: 174818

Ion	Ratio	Lower	Upper
212	100		
106	13.0	8.4	12.6#
104	7.2	4.5	6.7#

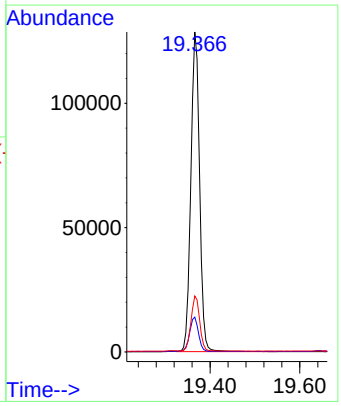


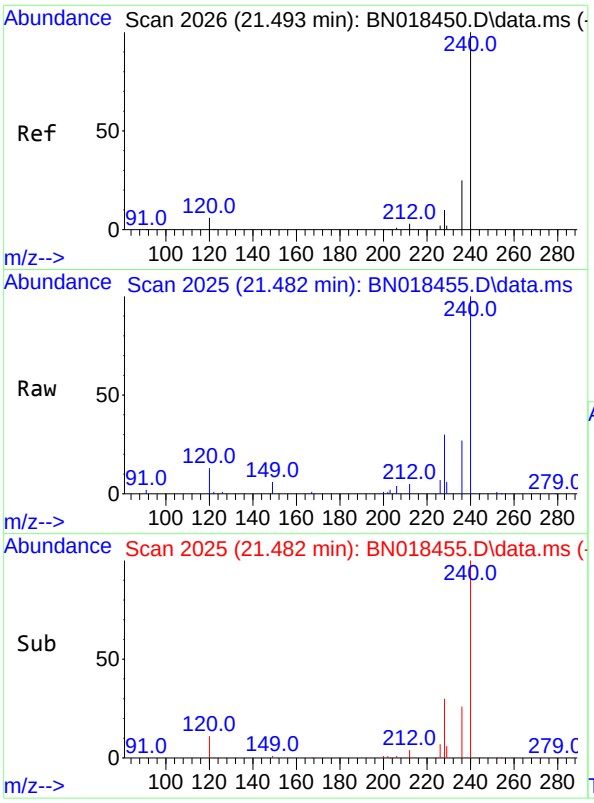


#28
Fluoranthene
Concen: 0.408 ng
RT: 19.366 min Scan# 1757
Delta R.T. -0.005 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:202 Resp: 173229

Ion	Ratio	Lower	Upper
202	100		
101	11.1	7.2	10.8#
203	17.1	13.7	20.5



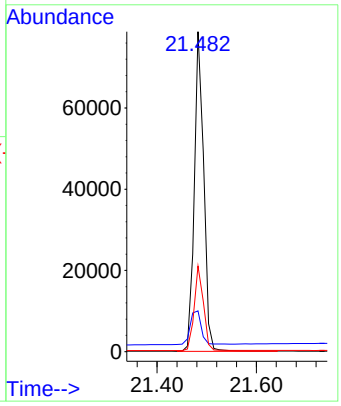


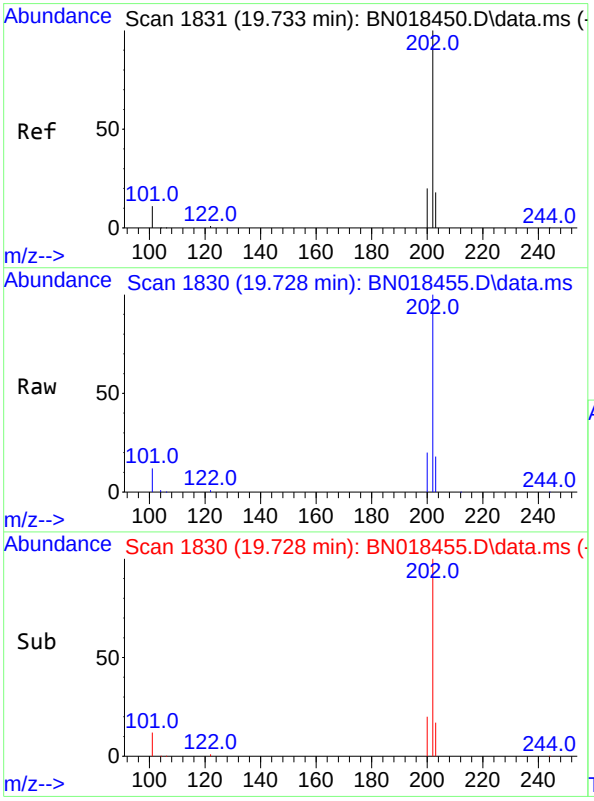
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.482 min Scan# 2
Delta R.T. -0.011 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:240 Resp: 103200

Ion	Ratio	Lower	Upper
240	100		
120	12.7	6.0	9.0#
236	26.7	21.4	32.2

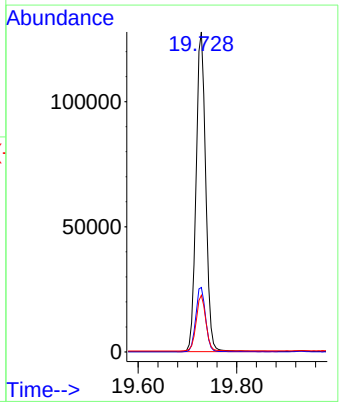


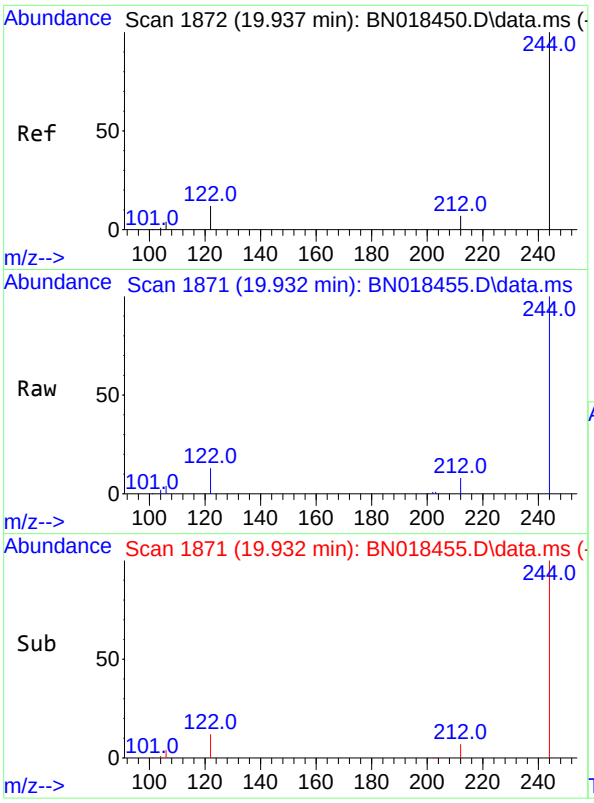


#30
Pyrene
Concen: 0.395 ng
RT: 19.728 min Scan# 1830
Delta R.T. -0.005 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:202 Resp: 173858

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.5	14.1	21.1



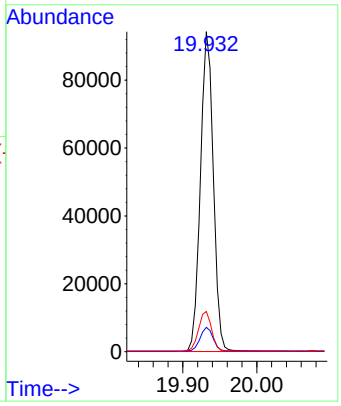


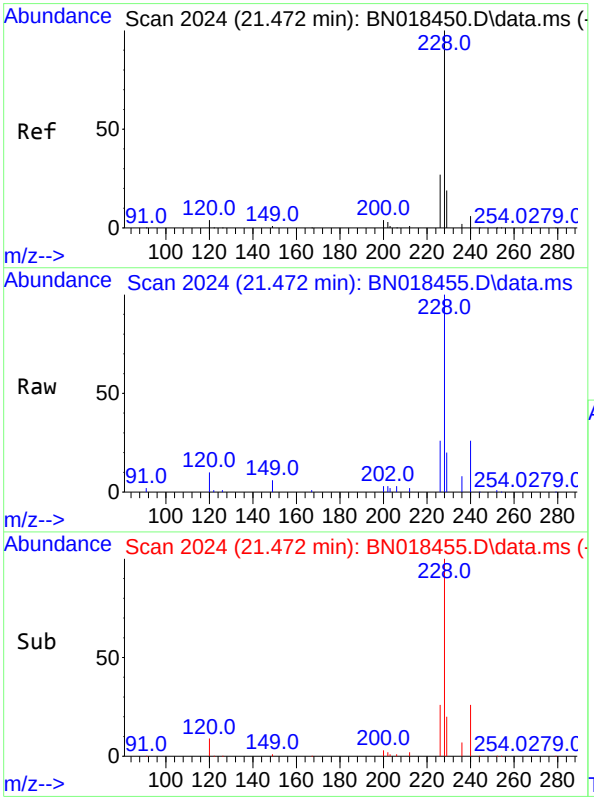
#31
Terphenyl-d14
Concen: 0.387 ng
RT: 19.932 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:244 Resp: 124112

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	12.6	7.9	11.9#

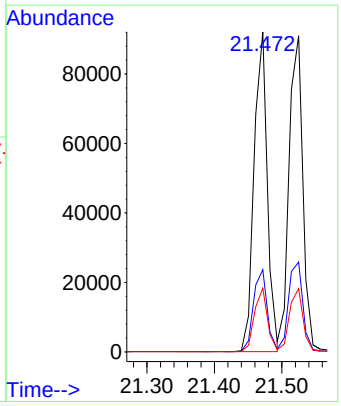


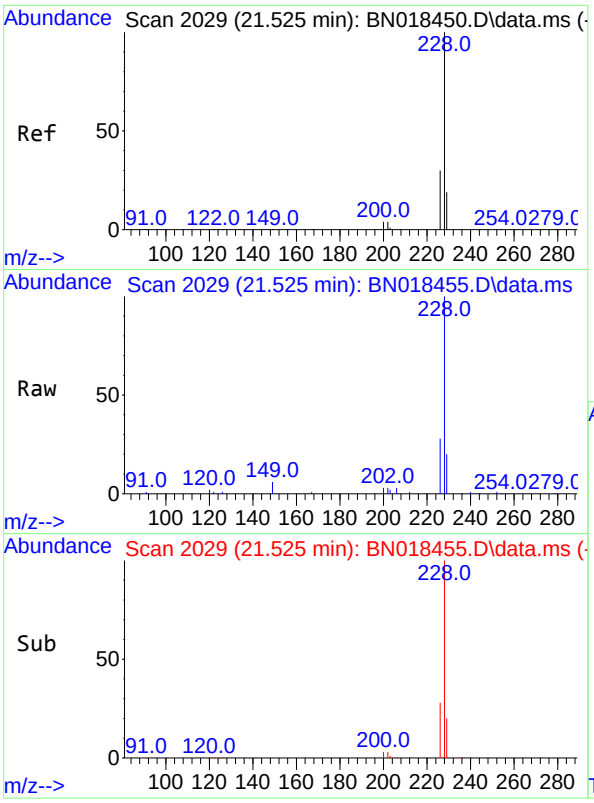


#32
Benzo(a)anthracene
Concen: 0.385 ng
RT: 21.472 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:228 Resp: 125770

Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.3	31.9
229	19.9	15.9	23.9



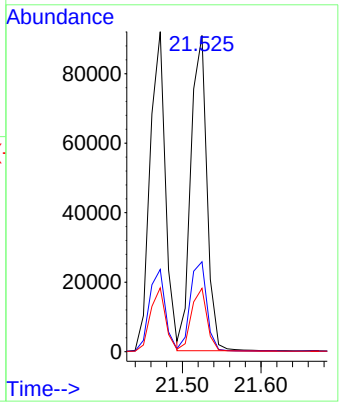


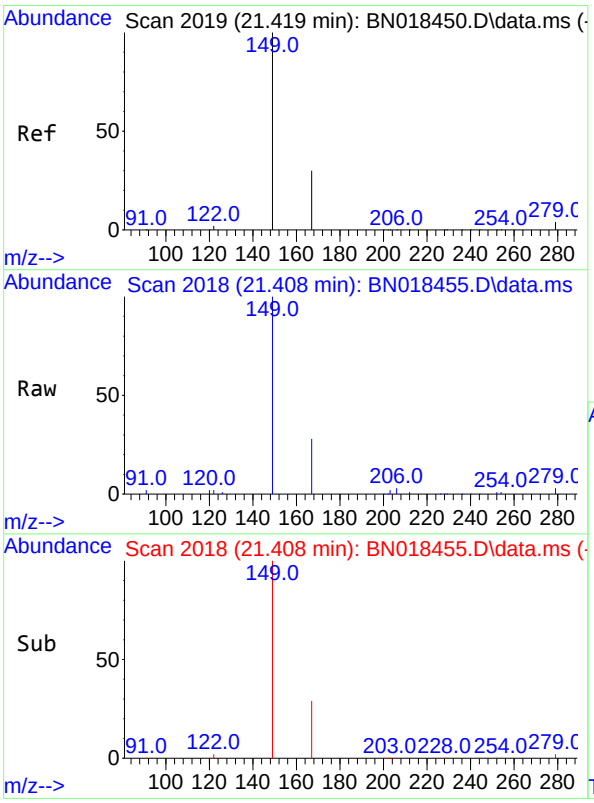
#33
Chrysene
Concen: 0.398 ng
RT: 21.525 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:228 Resp: 128546

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.2	36.4
229	20.1	15.5	23.3

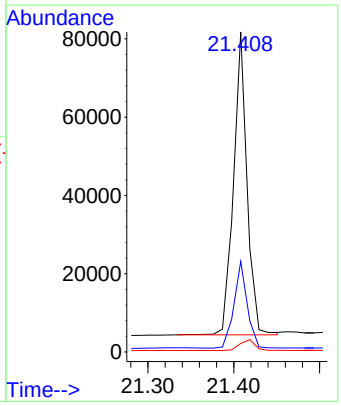


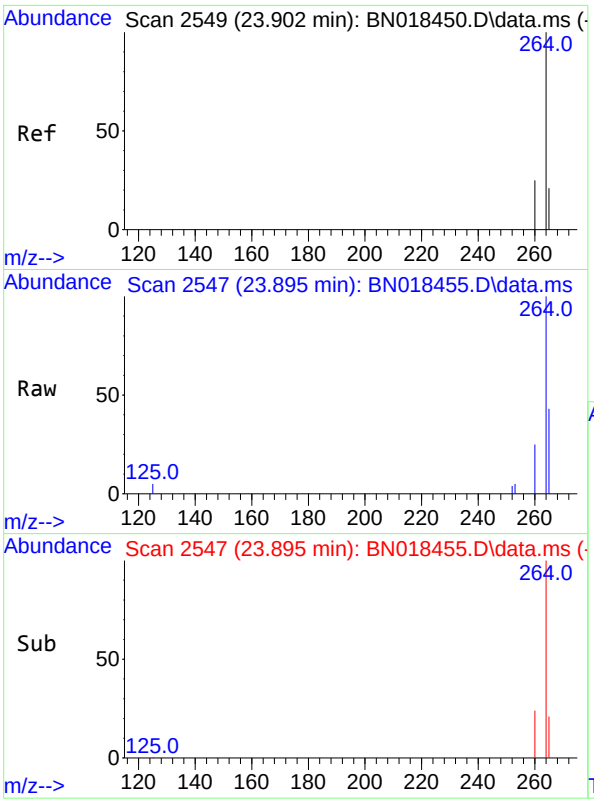


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.328 ng
RT: 21.408 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:149 Resp: 84395

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.7	35.5
279	4.1	3.6	5.4



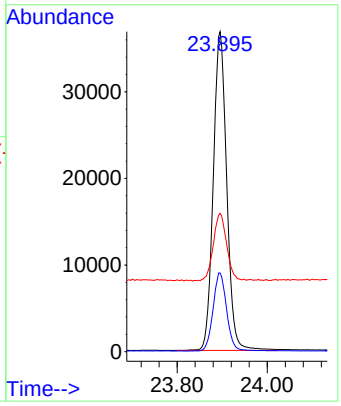


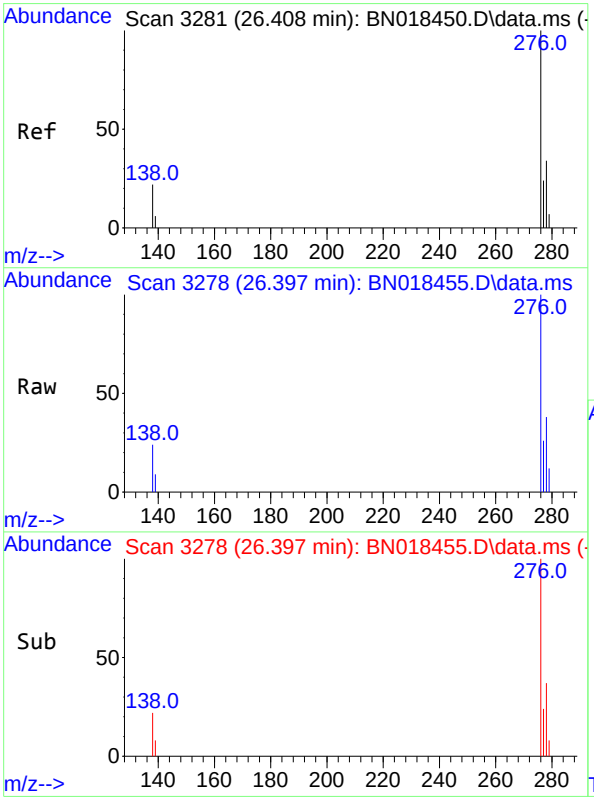
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.895 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:264 Resp: 76302

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.4
265	43.3	18.2	27.2#

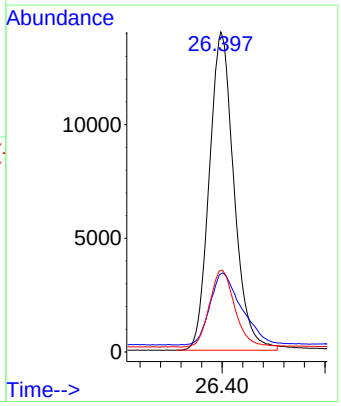


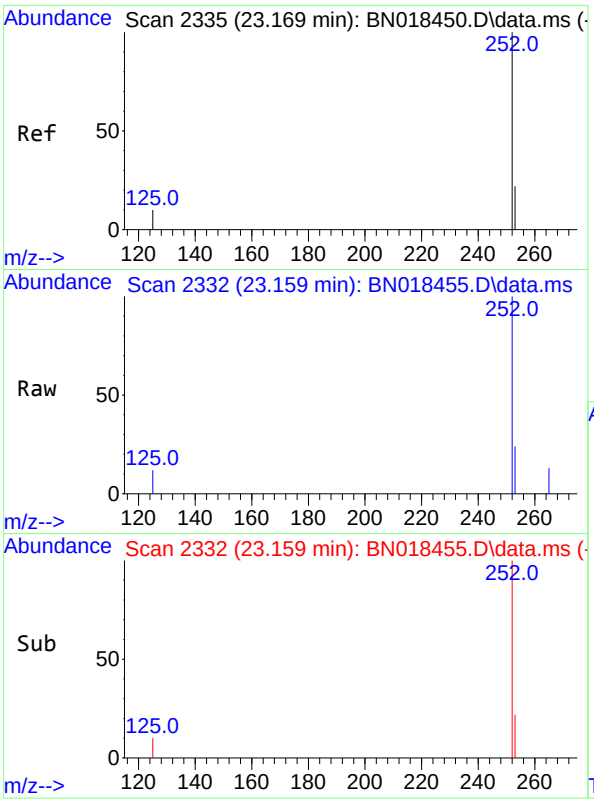


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.344 ng
RT: 26.397 min Scan# 3278
Delta R.T. -0.010 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:276 Resp: 46682

Ion	Ratio	Lower	Upper
276	100		
138	28.6	14.9	22.3#
277	24.8	19.9	29.9



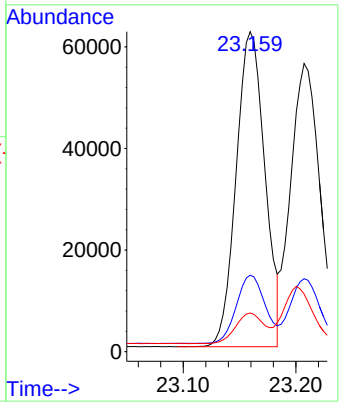


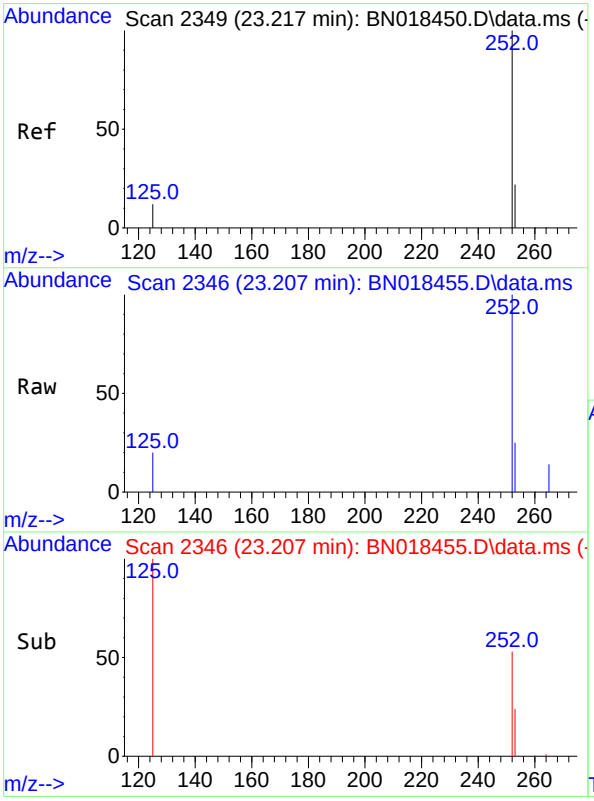
#37
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 23.159 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:252 Resp: 109697

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.1	6.0	9.0#

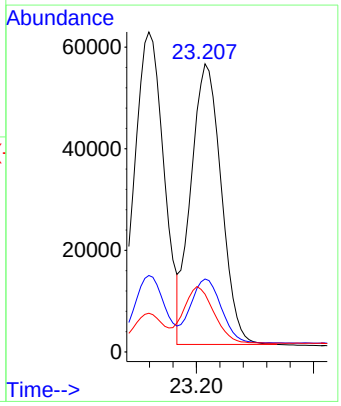


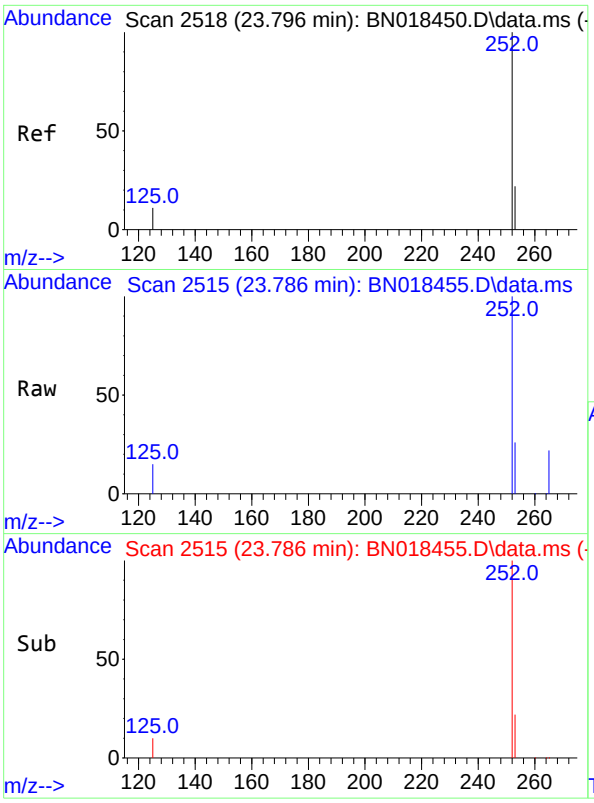


#38
Benzo(k)fluoranthene
Concen: 0.411 ng
RT: 23.207 min Scan# 2346
Delta R.T. -0.010 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:252 Resp: 99453

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.7	26.5
125	20.1	6.2	9.2#



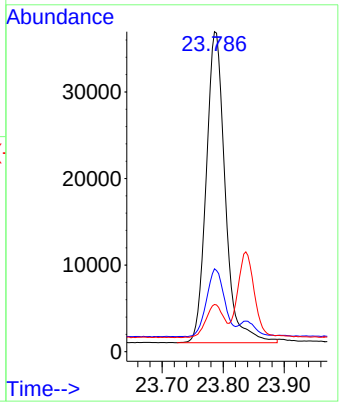


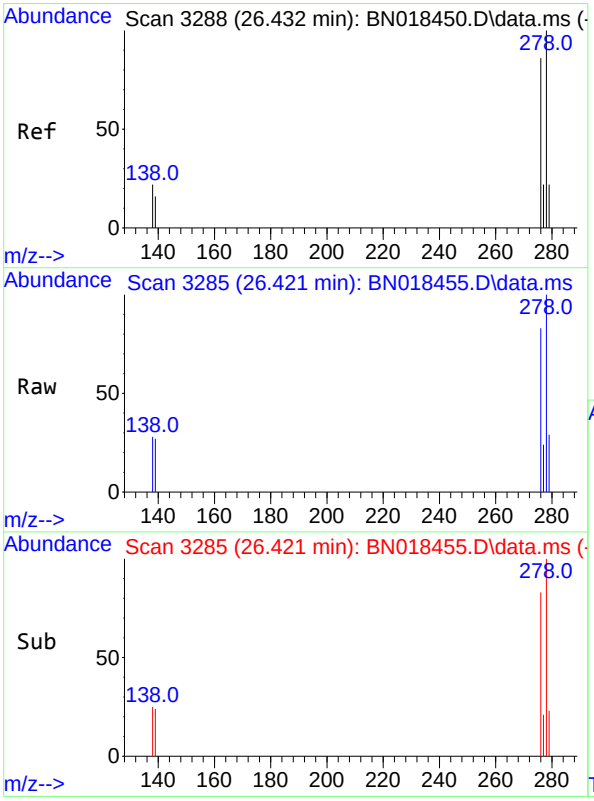
#39
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.786 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:252 Resp: 77498

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	14.8	7.0	10.4#

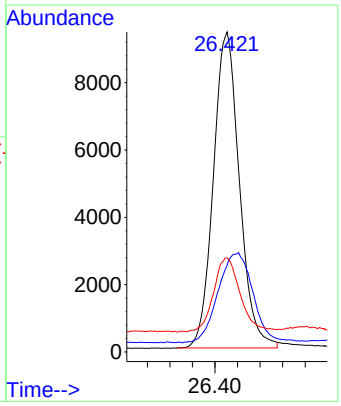


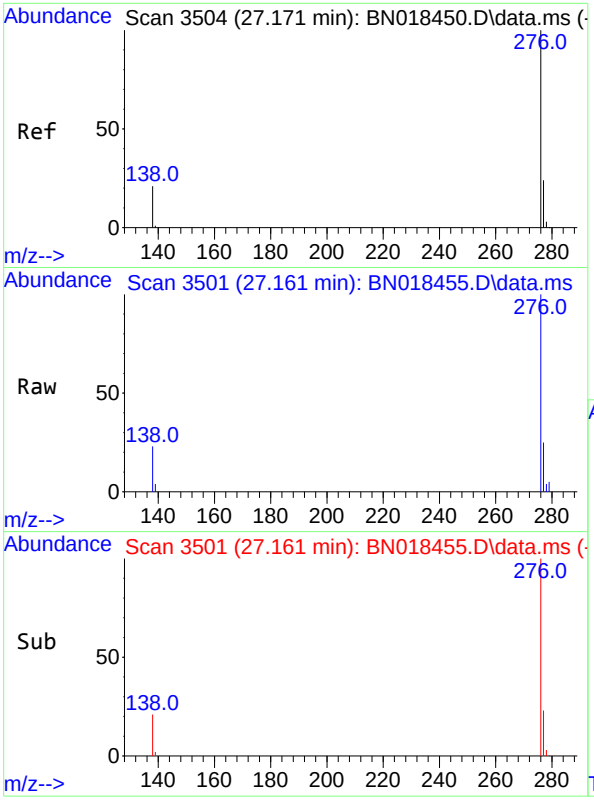


#40
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 26.421 min Scan# 3285
Delta R.T. -0.011 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Tgt Ion:278 Resp: 30125

Ion	Ratio	Lower	Upper
278	100		
139	27.1	10.8	16.2#
279	29.4	19.0	28.4#





#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 27.161 min Scan# 3
Delta R.T. -0.010 min
Lab File: BN018455.D
Acq: 24 Jan 2022 17:29

Instrument :
BNA_N
ClientSampleId :
ICVBN012422

Tgt Ion:276 Resp: 49978

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.6
138	23.5	12.6	19.0#