Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083122\
Data File : BN021485.D
Acq On : 31 Aug 2022 10:22
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 01 03:16:25 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 16:30:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	4525	0.400	ng	0.00
7) Naphthalene-d8	10.909	136	14255	0.400	ng	# 0.00
13) Acenaphthene-d10	14.728	164	8021	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	16591	0.400	ng	0.00
29) Chrysene-d12	21.664	240	12341	0.400	ng	# 0.00
35) Perylene-d12	24.185	264	8726	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.599	112	4065	0.459	ng	0.00
5) Phenol-d6	7.224	99	5056	0.448	ng	0.00
8) Nitrobenzene-d5	9.243	82	3881	0.403	ng	-0.01
11) 2-Methylnaphthalene-d10	12.490	152	15025	0.468	ng	0.00
14) 2,4,6-Tribromophenol	16.218	330	1028	0.390	ng	0.00
15) 2-Fluorobiphenyl	13.349	172	14364	0.410	ng	-0.01
27) Fluoranthene-d10	19.506	212	17714	0.415	ng	0.00
31) Terphenyl-d14	20.097	244	11955	0.431	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.410	88	2435	0.430	ng	# 88
3) n-Nitrosodimethylamine	3.743	42	2080	0.408	ng	# 95
6) bis(2-Chloroethyl)ether	7.484	93	5891	0.415	ng	97
9) Naphthalene	10.952	128	17320	0.410	ng	100
10) Hexachlorobutadiene	11.240	225	2996	0.410	ng	# 99
12) 2-Methylnaphthalene	12.187	142	2486	0.480	ng	# 96
16) Acenaphthylene	14.450	152	14786	0.393	ng	100
17) Acenaphthene	14.793	154	10937	0.413	ng	100
18) Fluorene	15.776	166	13604	0.416	ng	99
21) 4-Bromophenyl-phenylether	16.659	248	4185	0.403	ng	# 84
22) Hexachlorobenzene	16.772	284	5184	0.408	ng	99
23) Atrazine	16.926	200	2363	0.390	ng	99
24) Pentachlorophenol	17.121	266	1043	0.476	ng	99
25) Phenanthrene	17.521	178	23264	0.406	ng	100
26) Anthracene	17.613	178	18134	0.399	ng	100
28) Fluoranthene	19.535	202	24230	0.407	ng	100
30) Pyrene	19.898	202	27514	0.418	ng	99
32) Benzo(a)anthracene	21.646	228	17741	0.413	ng	99
33) Chrysene	21.700	228	21253	0.415	ng	98
34) Bis(2-ethylhexyl)phtha...	21.566	149	7025	0.406	ng	99
36) Indeno(1,2,3-cd)pyrene	26.843	276	15094	0.383	ng	99
37) Benzo(b)fluoranthene	23.407	252	17235	0.401	ng	97
38) Benzo(k)fluoranthene	23.460	252	16789	0.388	ng	98
39) Benzo(a)pyrene	24.074	252	11918	0.397	ng	97
40) Dibenzo(a,h)anthracene	26.869	278	12106	0.382	ng	96
41) Benzo(g,h,i)perylene	27.664	276	13429	0.386	ng	100

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

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Misc :
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Instrument :
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ClientSampleId :
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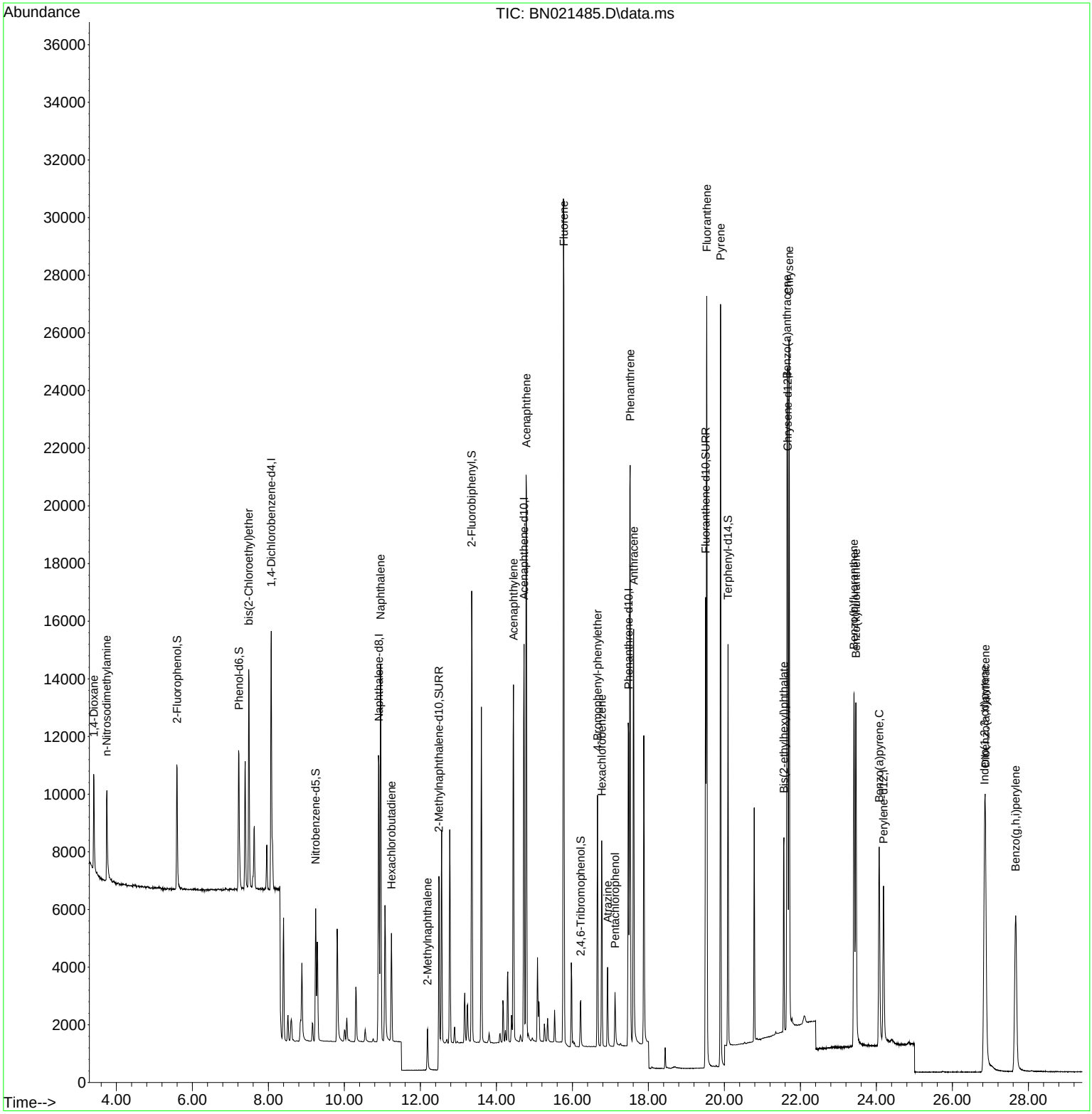
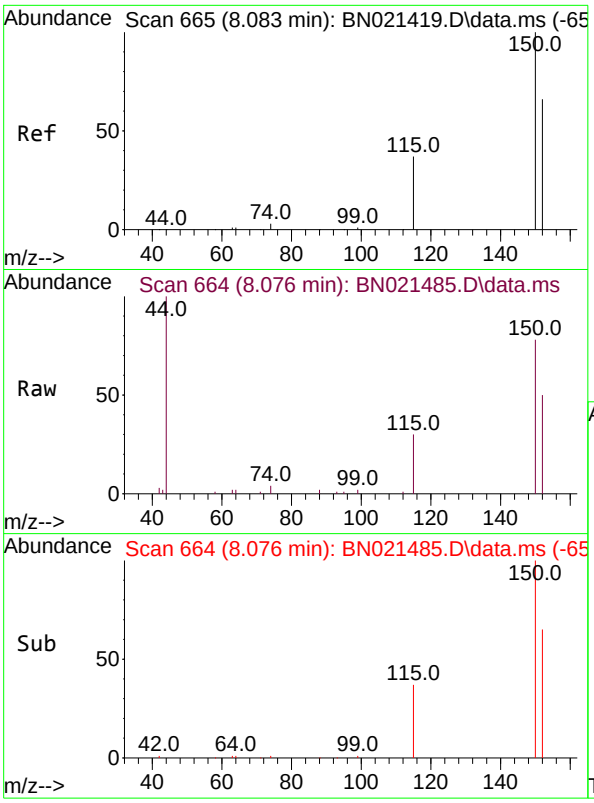
Quant Time: Sep 01 03:16:25 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 16:30:43 2022
Response via : Initial Calibration



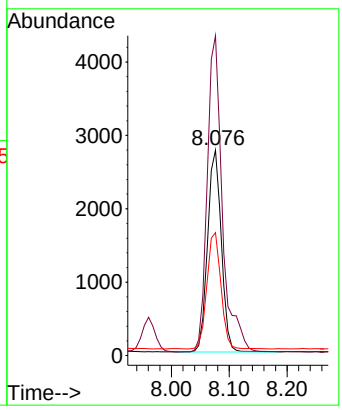


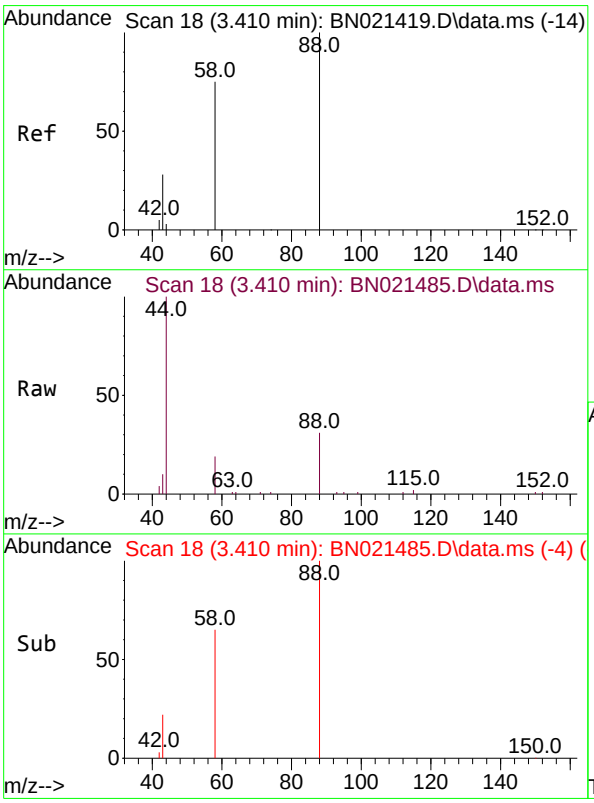
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.076 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4525

Ion	Ratio	Lower	Upper
152	100		
150	155.7	121.4	182.0
115	59.8	48.6	72.8

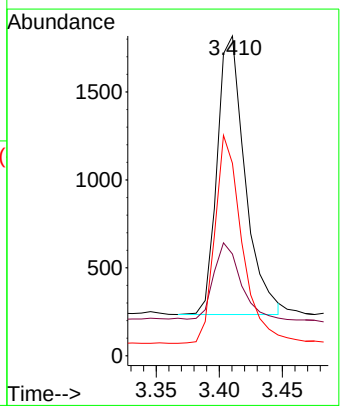


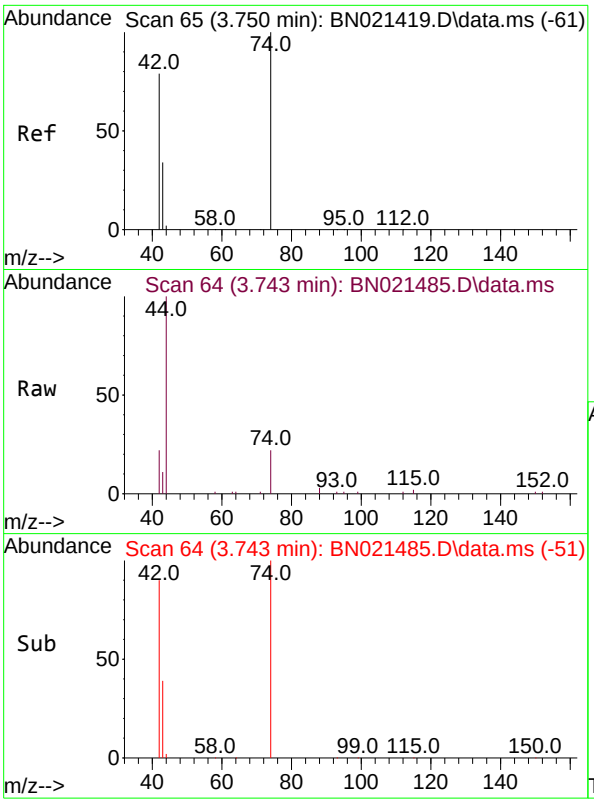


#2
1,4-Dioxane
Concen: 0.430 ng
RT: 3.410 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion: 88 Resp: 2435

Ion	Ratio	Lower	Upper
88	100		
43	26.4	35.8	53.8#
58	72.5	57.1	85.7



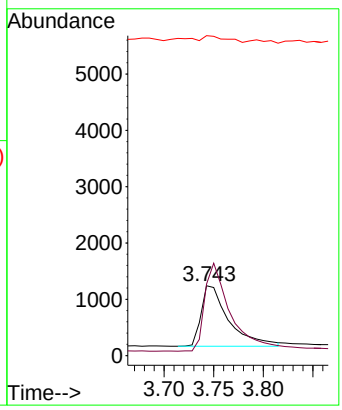


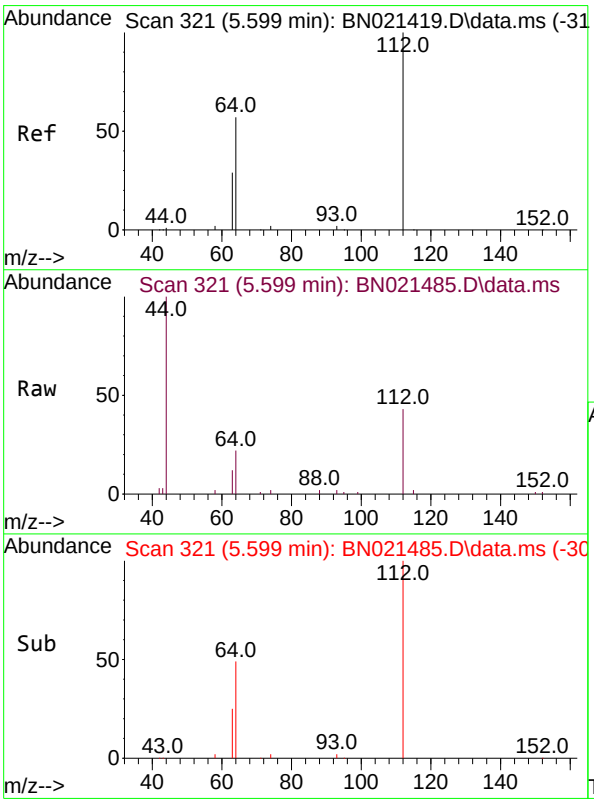
#3
n-Nitrosodimethylamine
Concen: 0.408 ng
RT: 3.743 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2080

Ion	Ratio	Lower	Upper
42	100		
74	136.5	113.0	169.6
44	8.4	10.5	15.7#

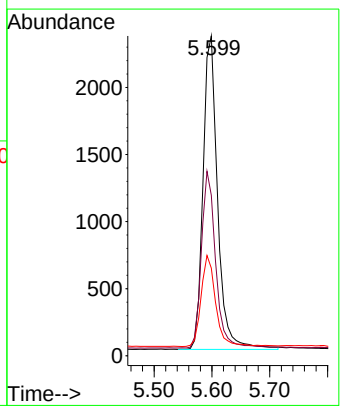


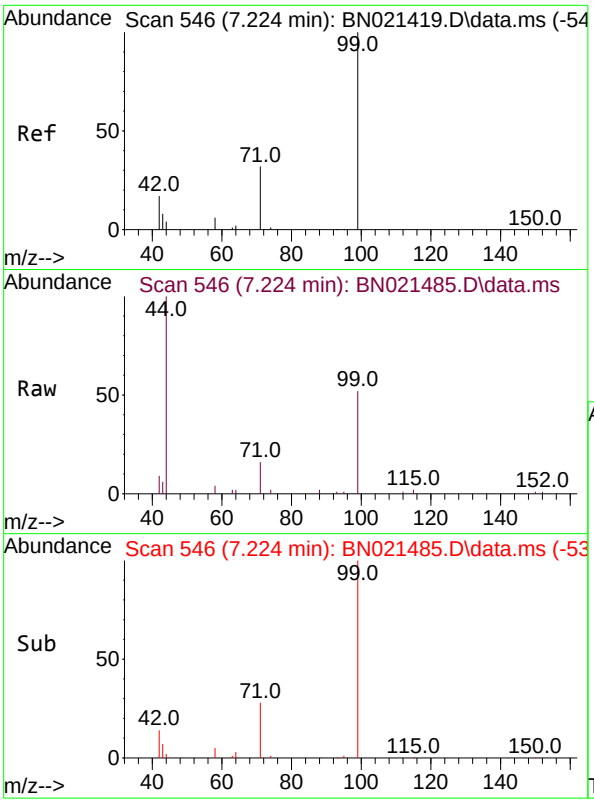


#4
2-Fluorophenol
Concen: 0.459 ng
RT: 5.599 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:112 Resp: 4065

Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.5	65.3
63	29.4	22.6	34.0



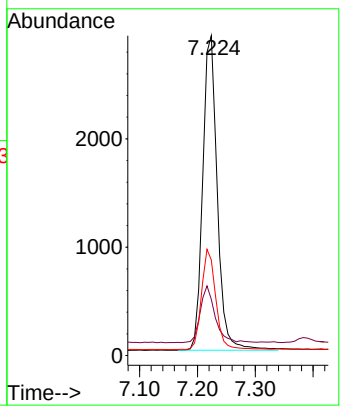


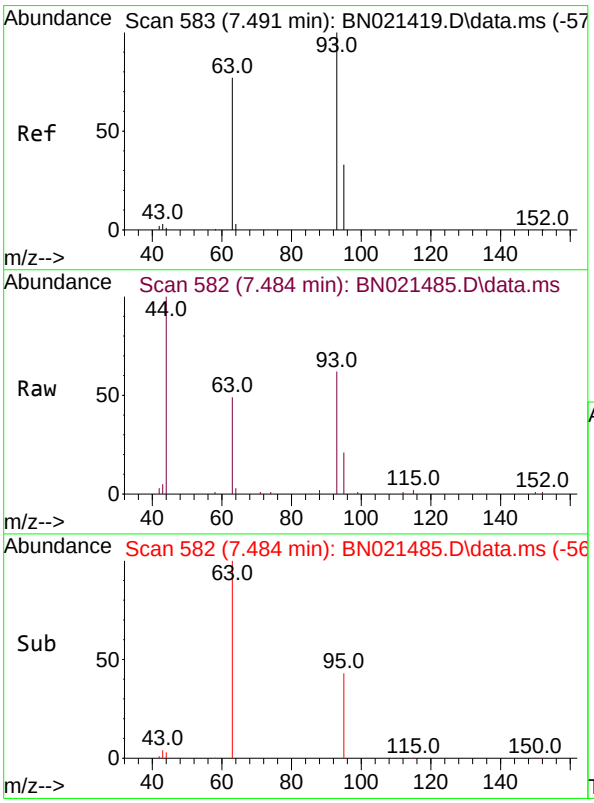
#5
Phenol-d6
Concen: 0.448 ng
RT: 7.224 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5056

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.5	23.3
71	31.4	24.2	36.2

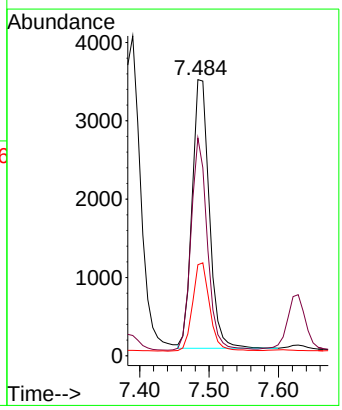


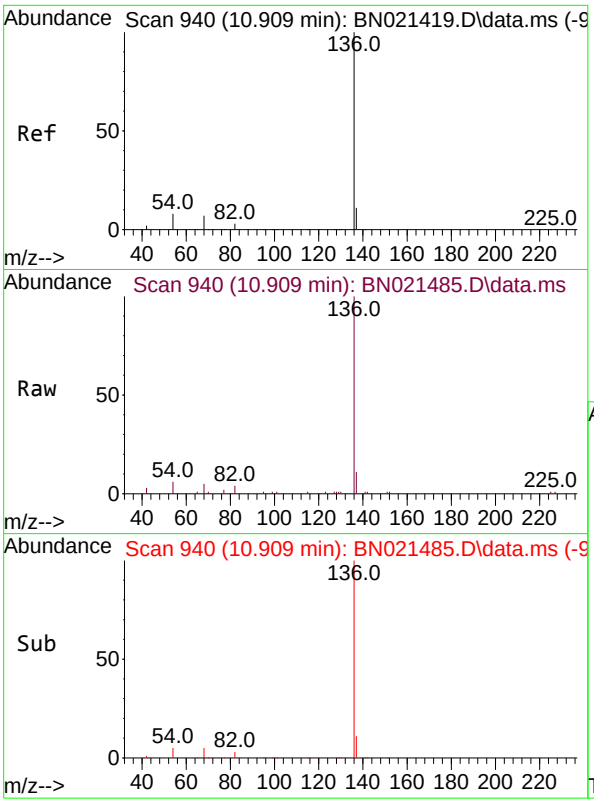


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 7.484 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion: 93 Resp: 5891

Ion	Ratio	Lower	Upper
93	100		
63	75.1	57.8	86.8
95	33.0	25.9	38.9



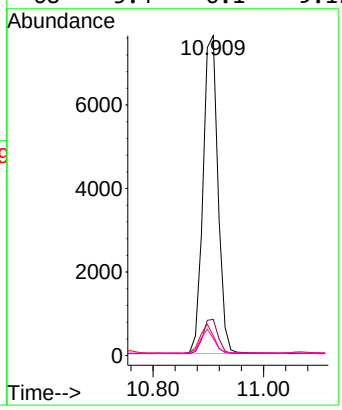


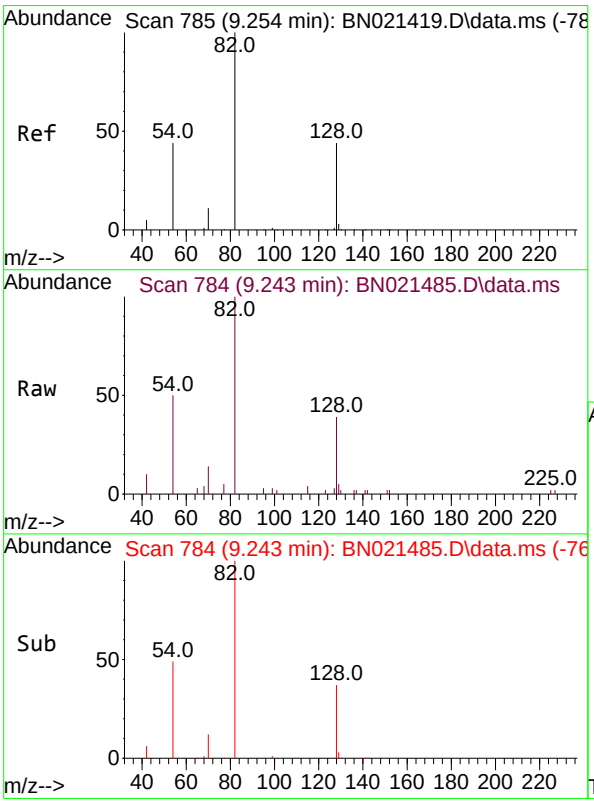
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.909 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 14255

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	6.2	6.9	10.3#
68	5.4	6.1	9.1#

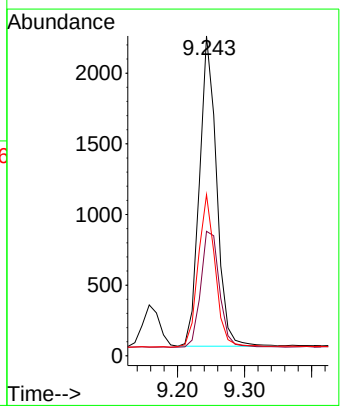


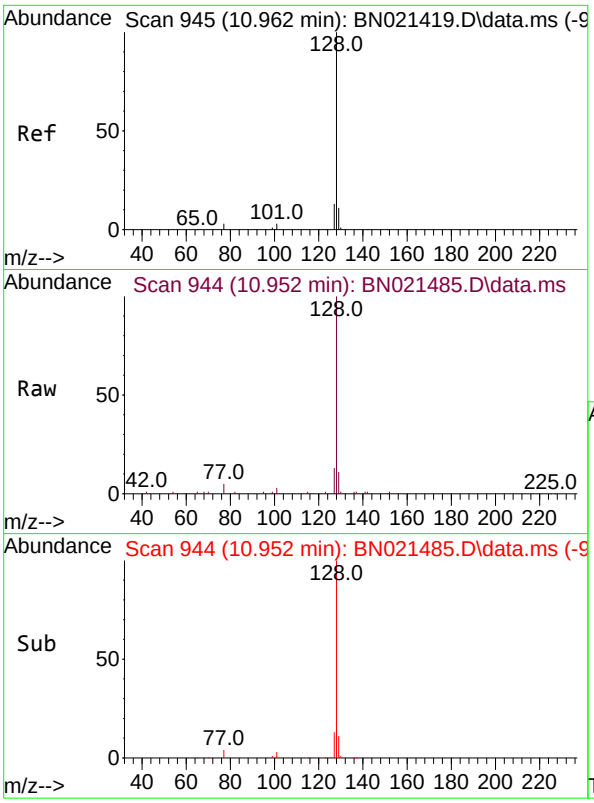


#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 9.243 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion: 82 Resp: 3881

Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.9	46.3
54	50.4	42.7	64.1



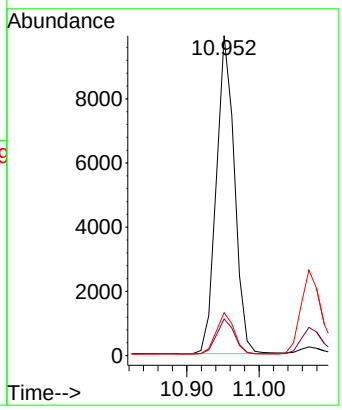


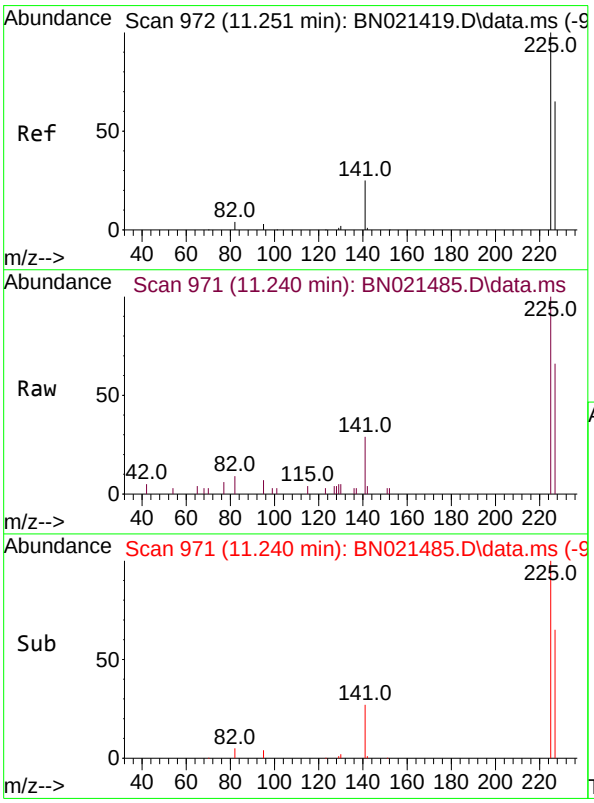
#9
Naphthalene
Concen: 0.410 ng
RT: 10.952 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 17320

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.5	11.0	16.4

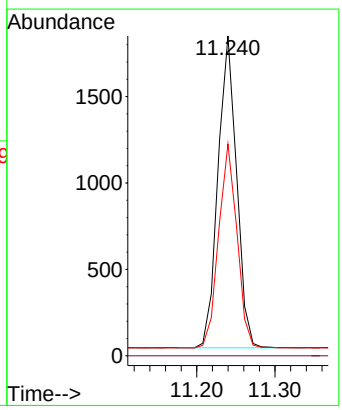


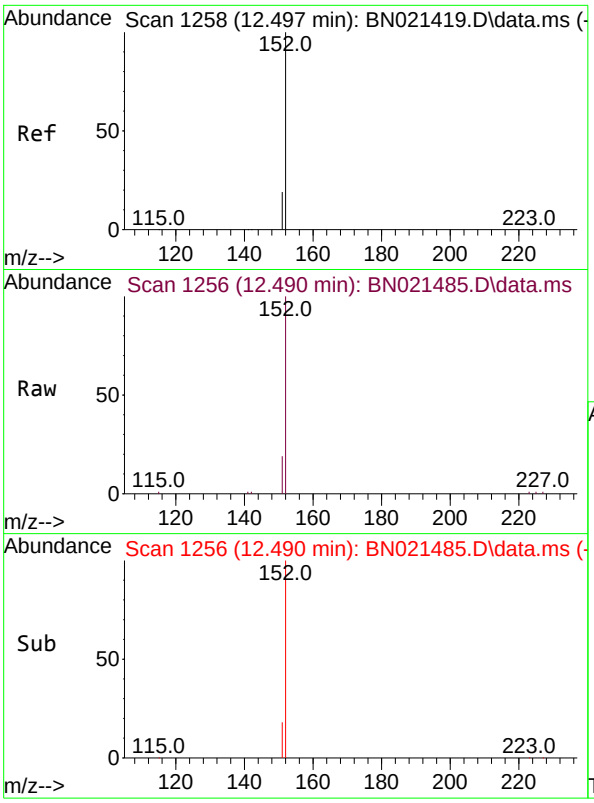


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 11.240 min Scan# 971
Delta R.T. -0.011 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:225 Resp: 2996

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.2	76.8



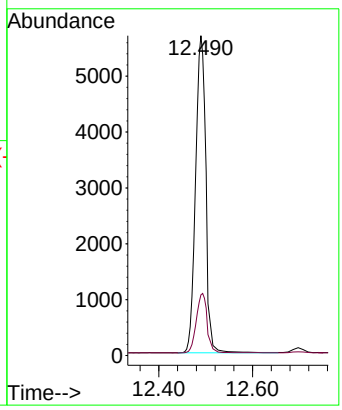


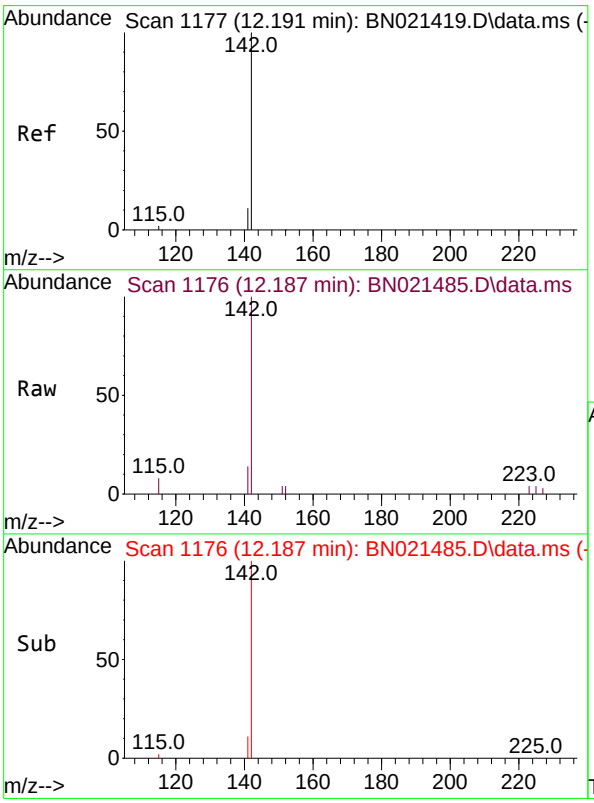
#11
2-Methylnaphthalene-d10
Concen: 0.468 ng
RT: 12.490 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 15025

Ion	Ratio	Lower	Upper
152	100		
151	19.4	14.5	21.7

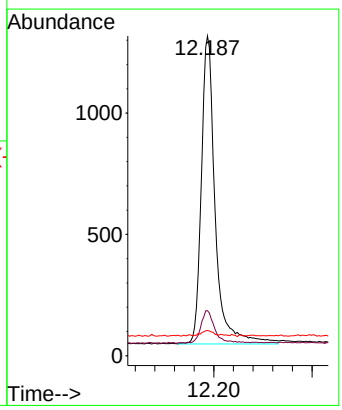


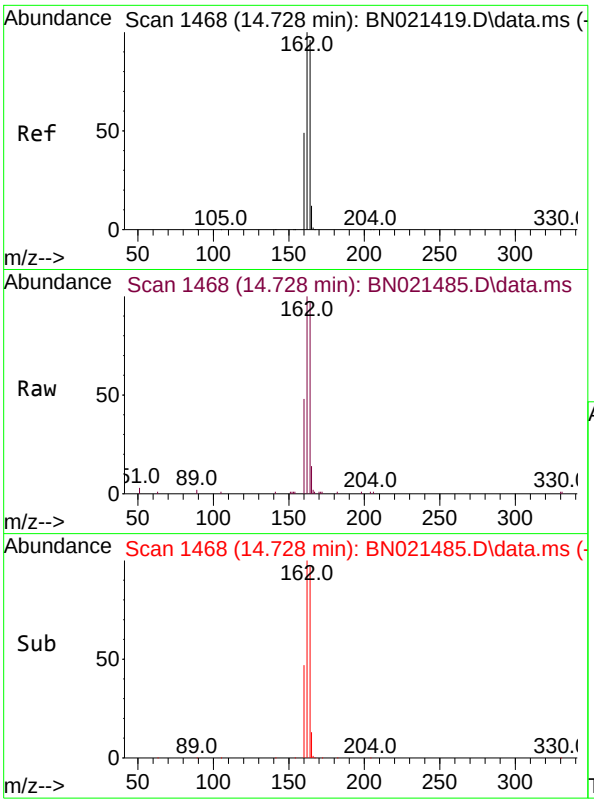


#12
2-Methylnaphthalene
Concen: 0.480 ng
RT: 12.187 min Scan# 1176
Delta R.T. -0.004 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:142 Resp: 2486

Ion	Ratio	Lower	Upper
142	100		
141	14.1	12.2	18.2
115	7.9	7.9	11.9#



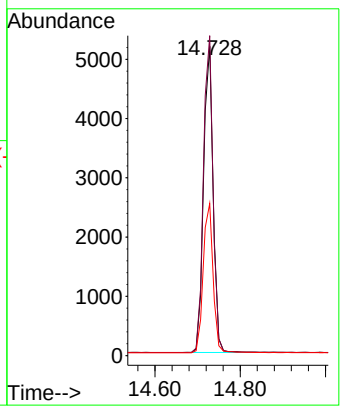


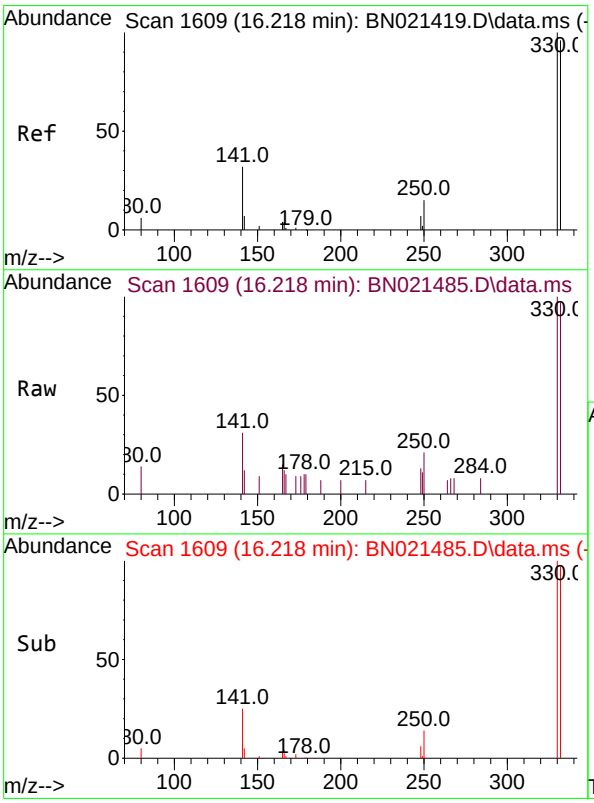
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.728 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8021

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.4
160	49.2	39.5	59.3

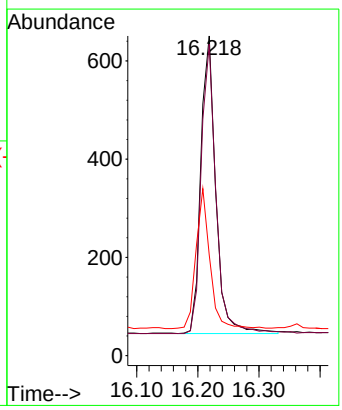


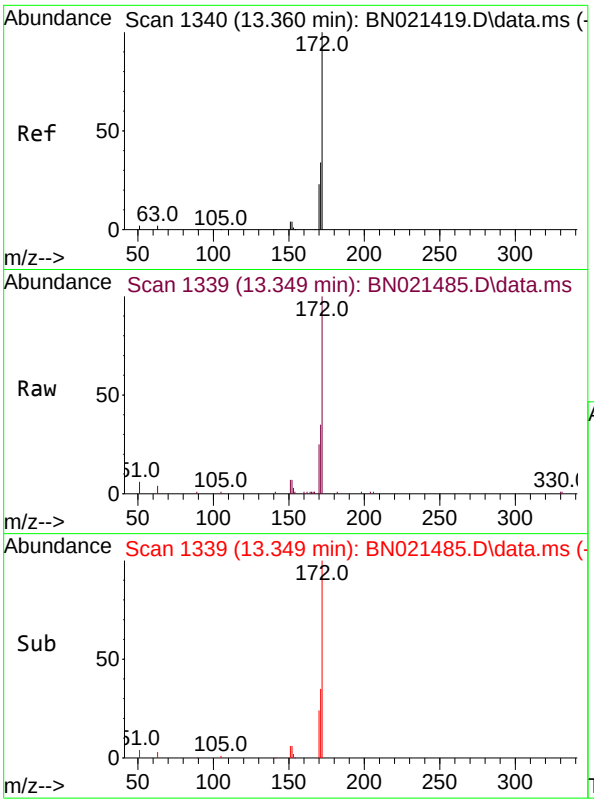


#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 16.218 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:330 Resp: 1028

Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.3	118.9
141	43.8	37.1	55.7



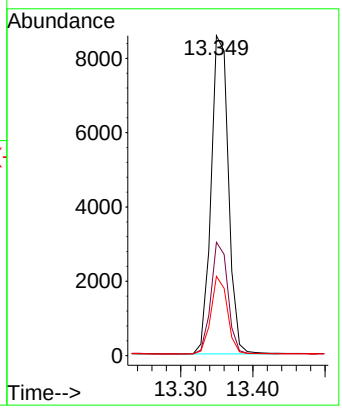


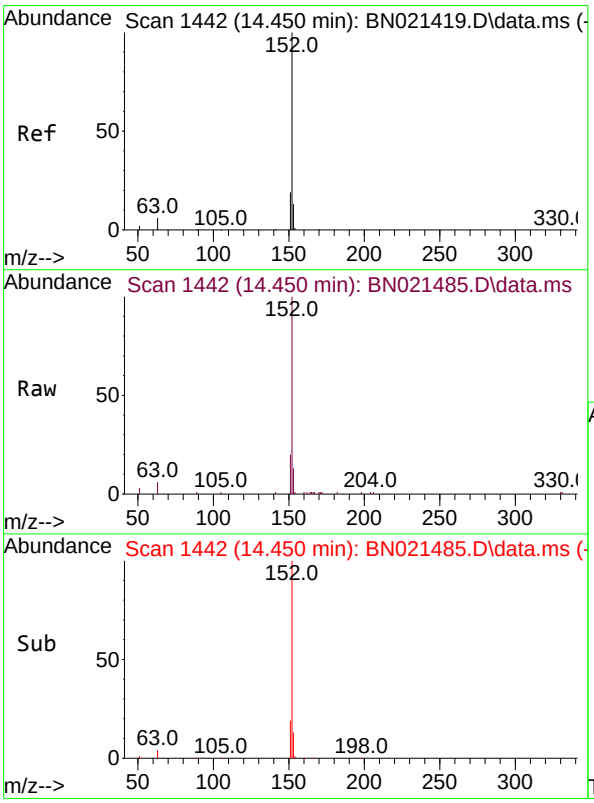
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 13.349 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14364

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	24.8	18.6	28.0

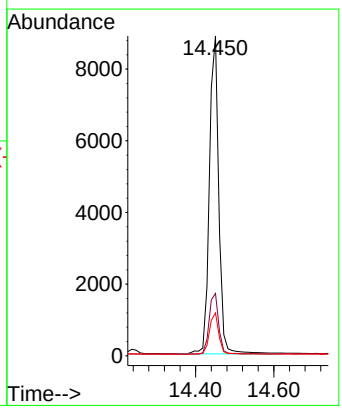


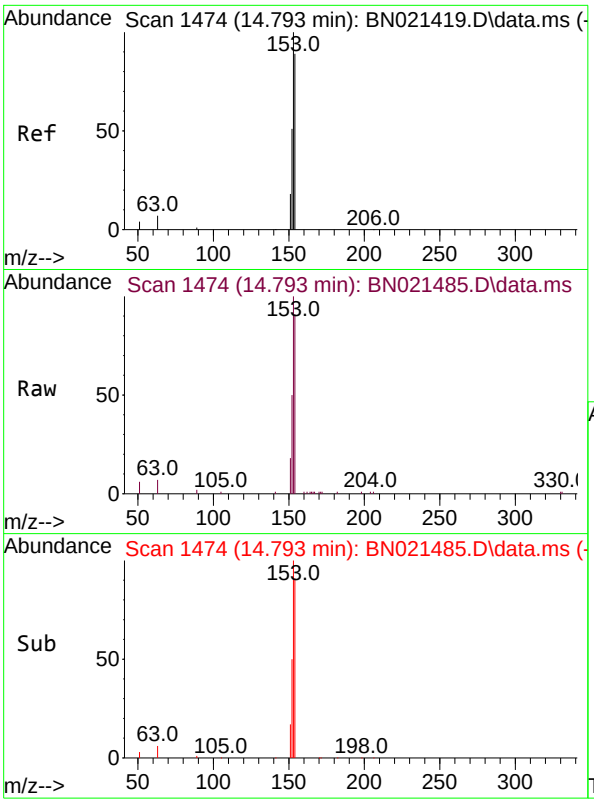


#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.450 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:152 Resp: 14786

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.9	10.3	15.5



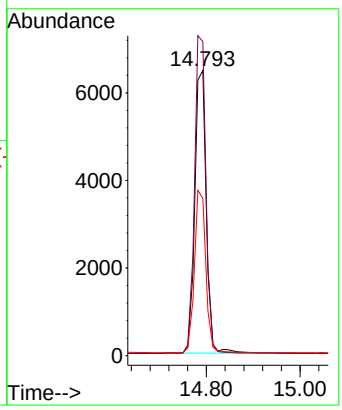


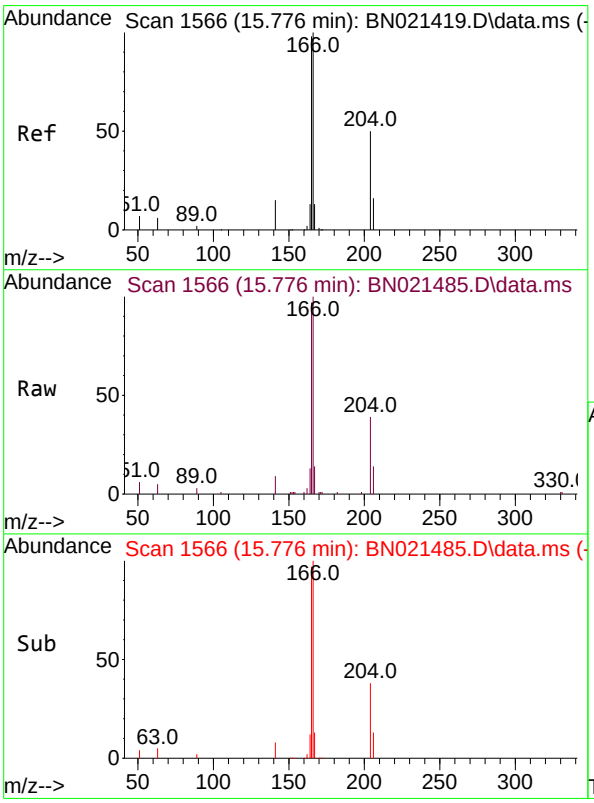
#17
Acenaphthene
Concen: 0.413 ng
RT: 14.793 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10937

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.5	134.3
152	57.4	45.5	68.3

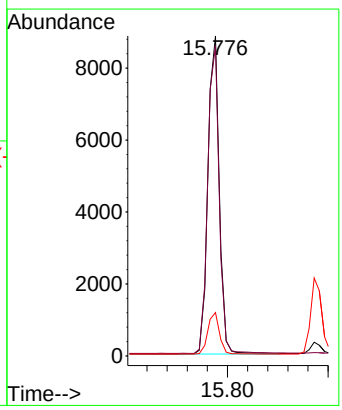


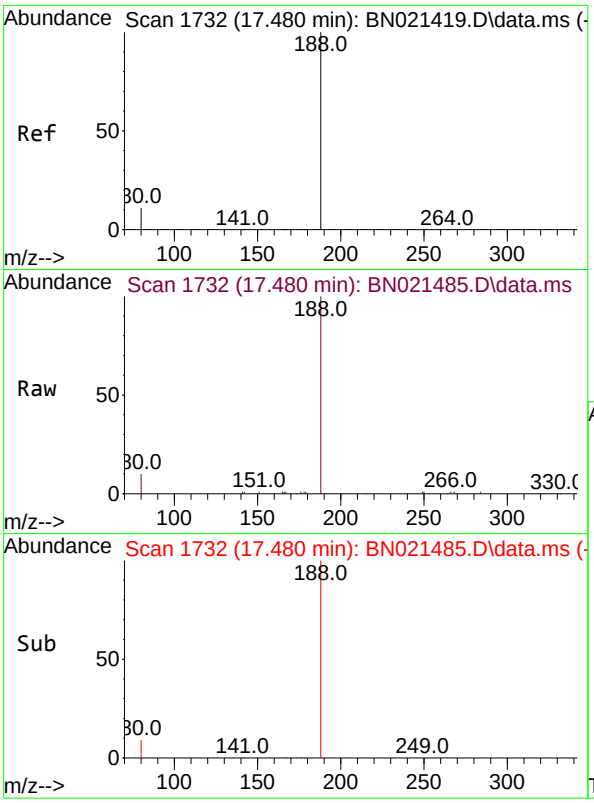


#18
Fluorene
Concen: 0.416 ng
RT: 15.776 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:166 Resp: 13604

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.7	118.1
167	13.2	10.6	16.0



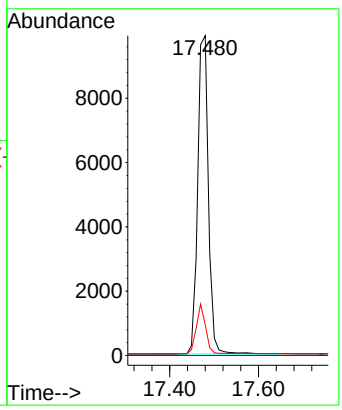


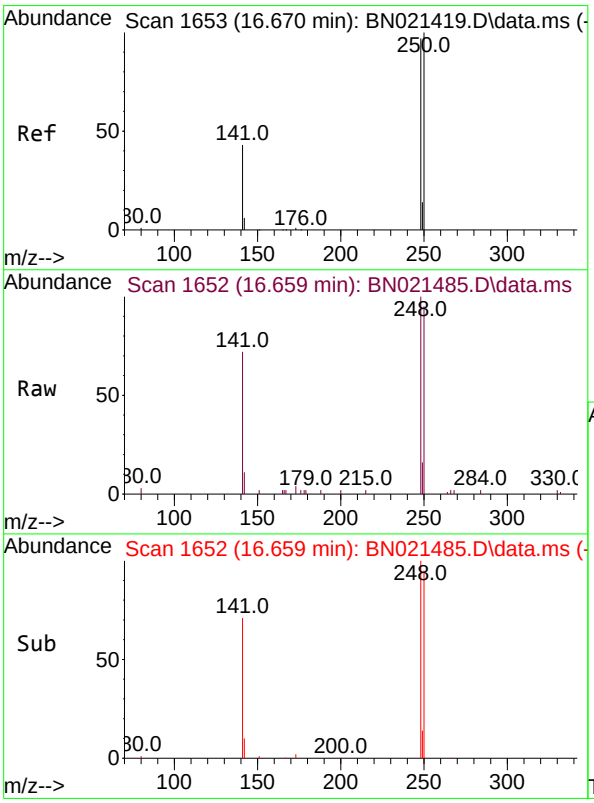
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 16591

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	9.5	14.3

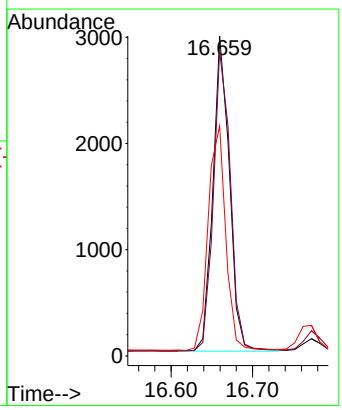


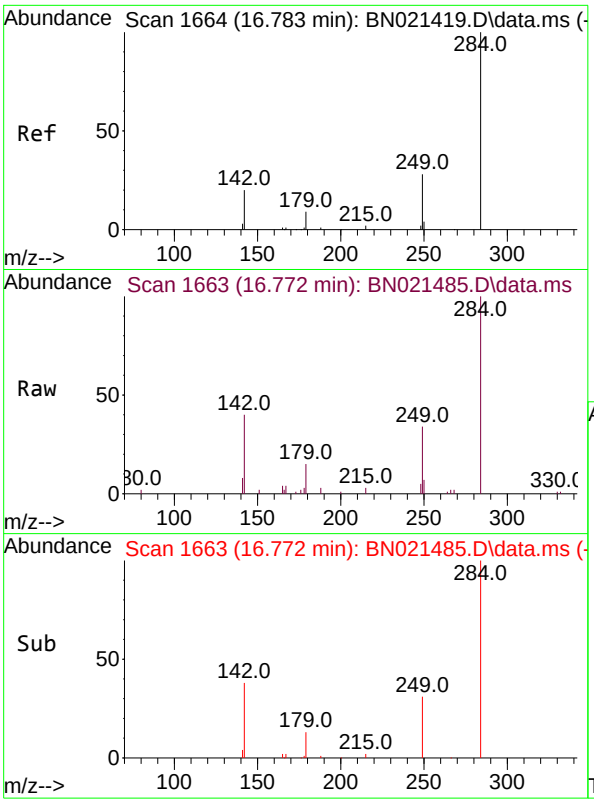


#21
4-Bromophenyl-phenylether
Concen: 0.403 ng
RT: 16.659 min Scan# 1652
Delta R.T. -0.010 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:248 Resp: 4185

Ion	Ratio	Lower	Upper
248	100		
250	95.4	81.8	122.6
141	71.9	38.5	57.7#



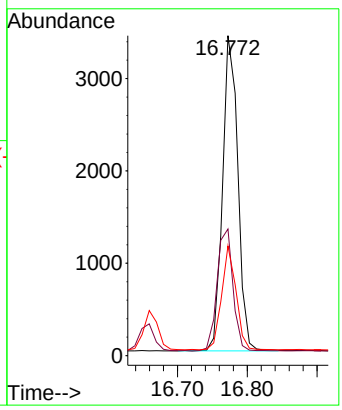


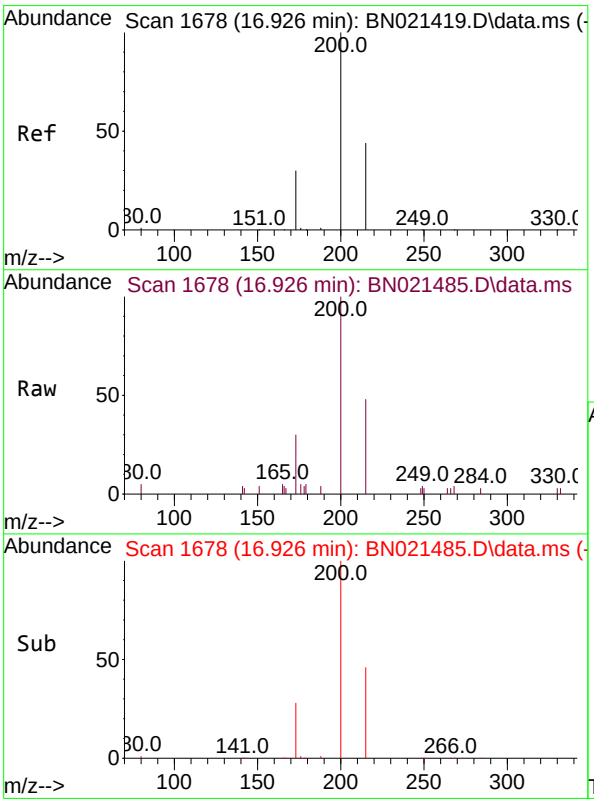
#22
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.772 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 5184

Ion	Ratio	Lower	Upper
284	100		
142	40.5	32.3	48.5
249	30.9	25.4	38.2

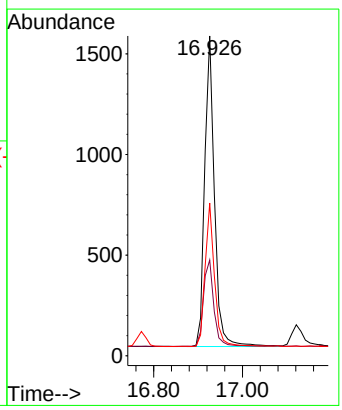


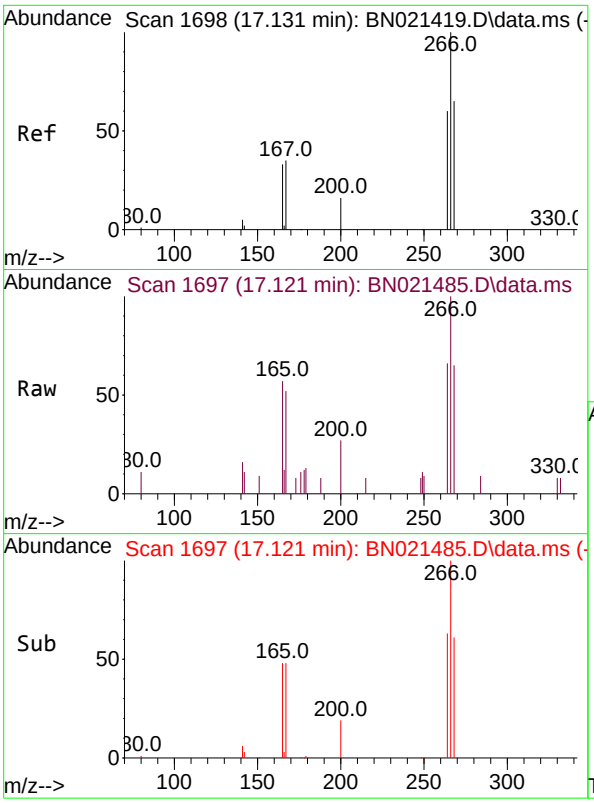


#23
Atrazine
Concen: 0.390 ng
RT: 16.926 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:200 Resp: 2363

Ion	Ratio	Lower	Upper
200	100		
173	30.0	24.3	36.5
215	47.8	38.4	57.6



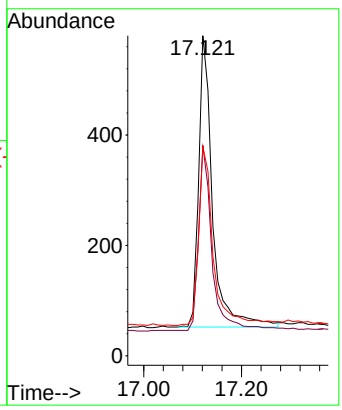


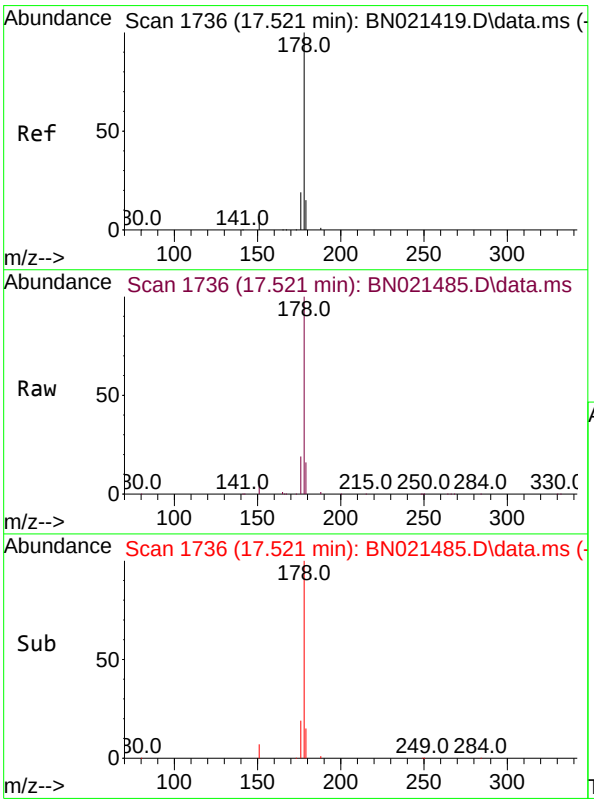
#24
Pentachlorophenol
Concen: 0.476 ng
RT: 17.121 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:266 Resp: 1043

Ion	Ratio	Lower	Upper
266	100		
264	61.3	49.0	73.6
268	65.0	50.9	76.3

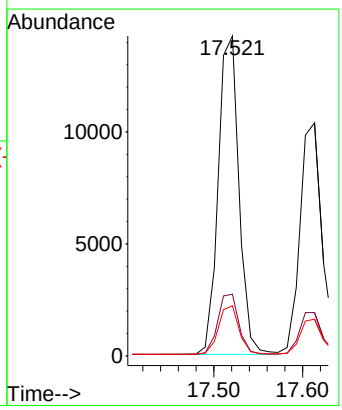


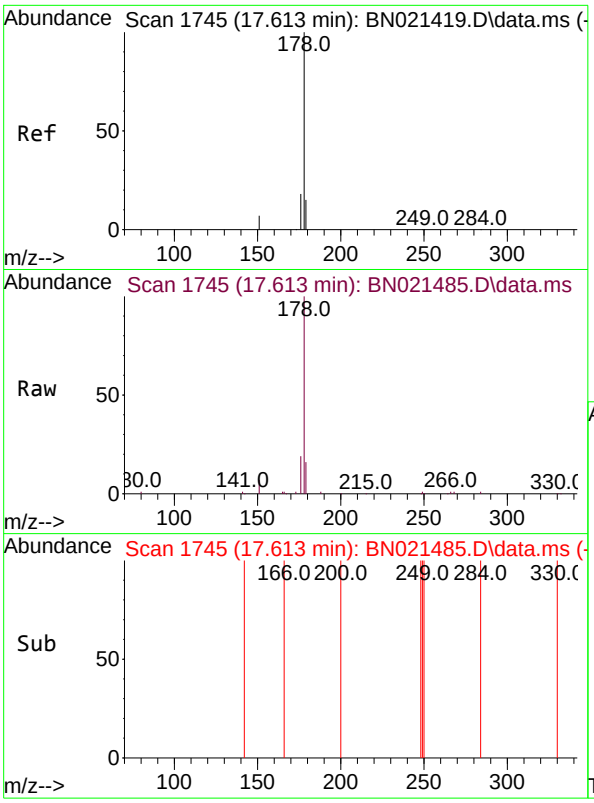


#25
Phenanthrene
Concen: 0.406 ng
RT: 17.521 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:178 Resp: 23264

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.2	18.4



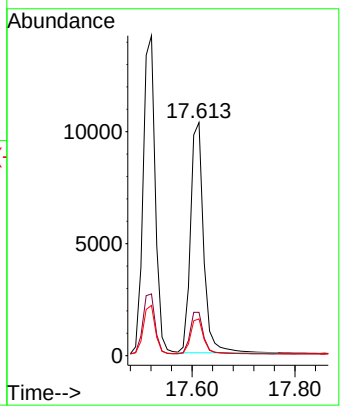


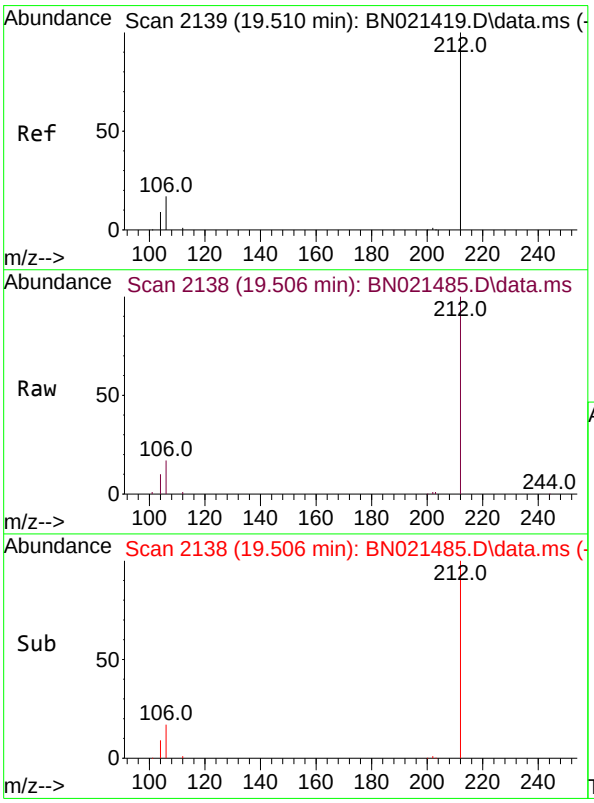
#26
Anthracene
Concen: 0.399 ng
RT: 17.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 18134

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.2	18.2

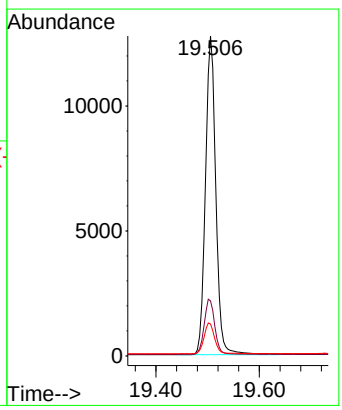


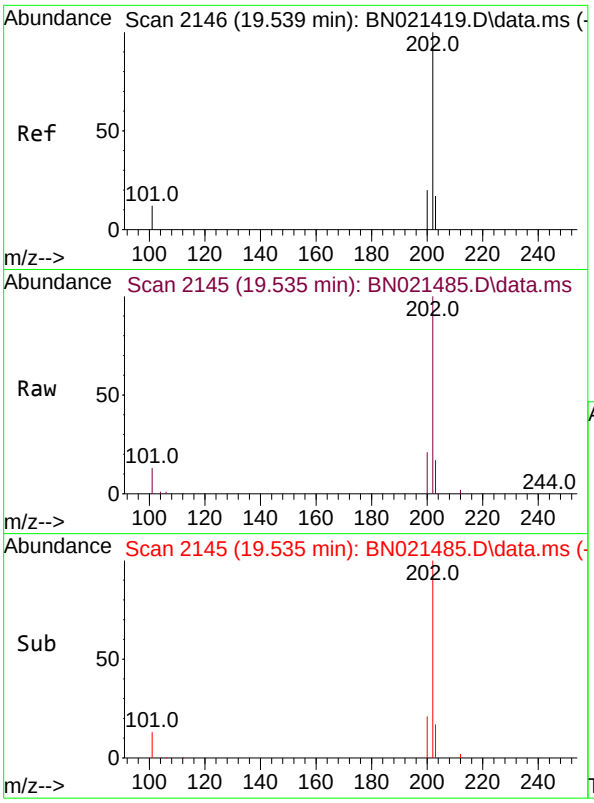


#27
Fluoranthene-d10
Concen: 0.415 ng
RT: 19.506 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:212 Resp: 17714

Ion	Ratio	Lower	Upper
212	100		
106	17.6	14.2	21.2
104	9.8	7.8	11.6



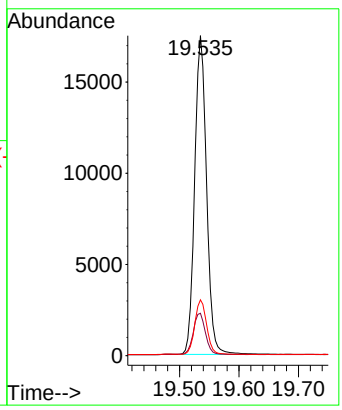


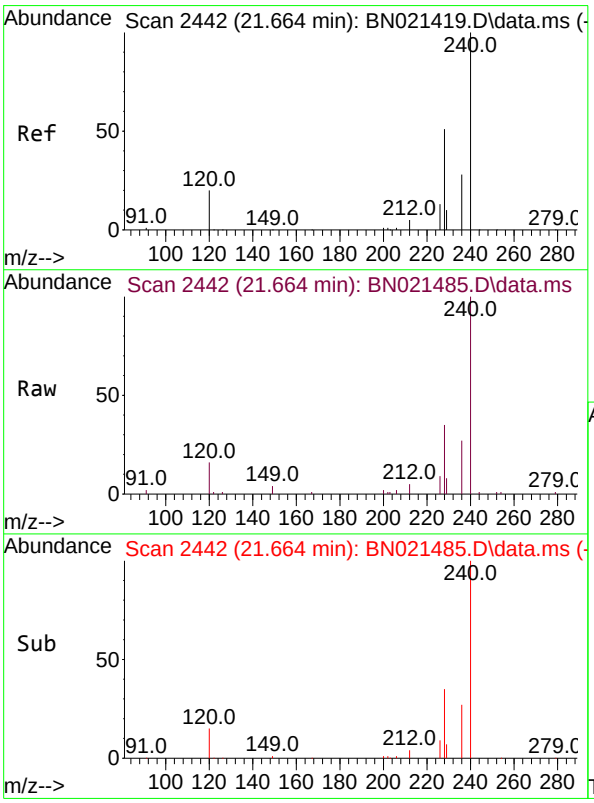
#28
Fluoranthene
Concen: 0.407 ng
RT: 19.535 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 24230

Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.9	16.3
203	17.1	13.8	20.6

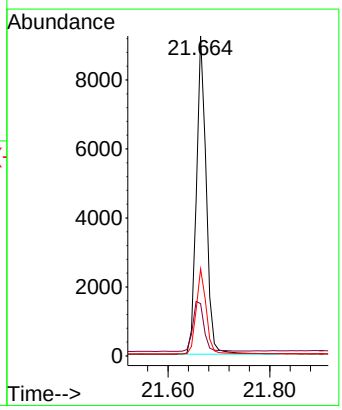


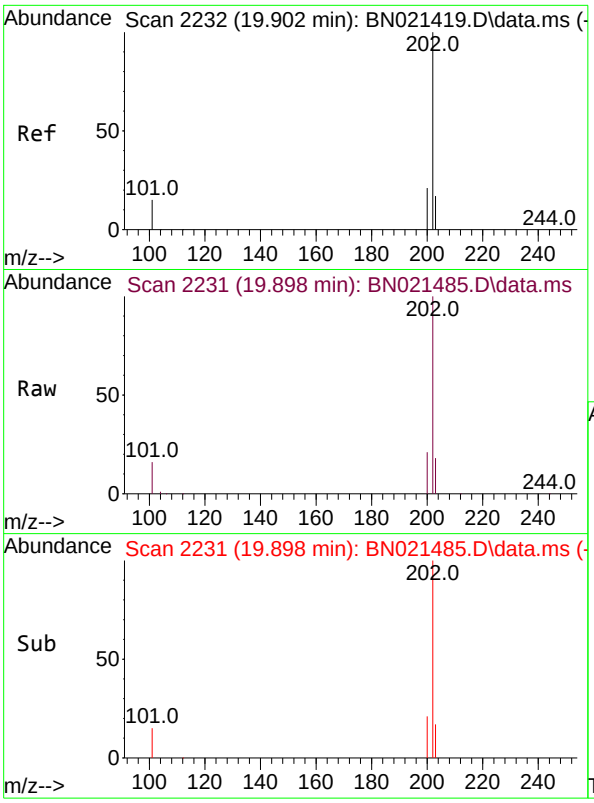


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.664 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:240 Resp: 12341

Ion	Ratio	Lower	Upper
240	100		
120	16.3	10.2	15.4#
236	27.2	22.1	33.1



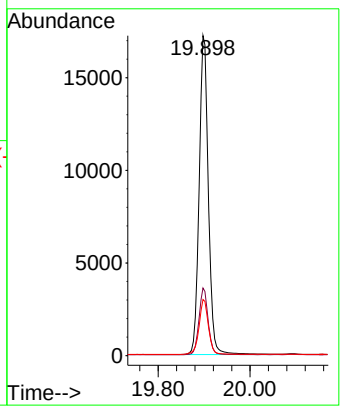


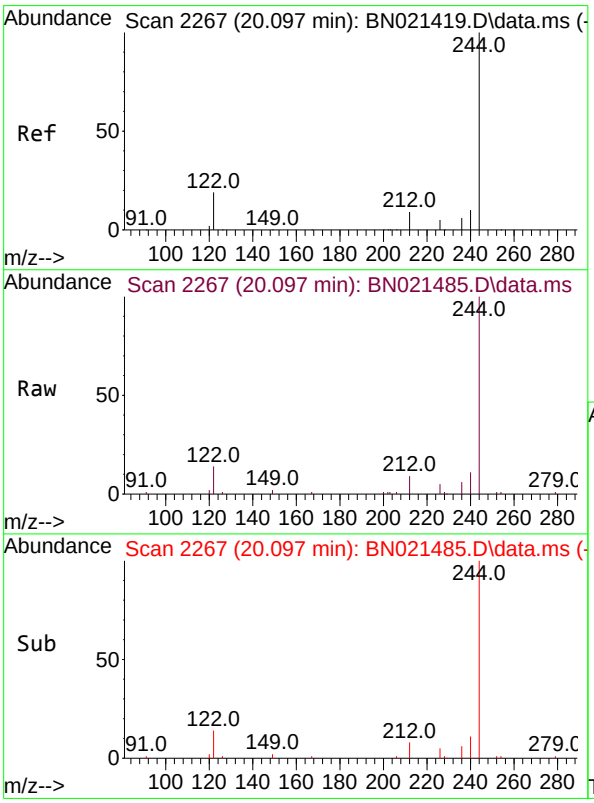
#30
Pyrene
Concen: 0.418 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 27514

Ion	Ratio	Lower	Upper
202	100		
200	18.1	13.9	20.9
203	15.2	11.9	17.9

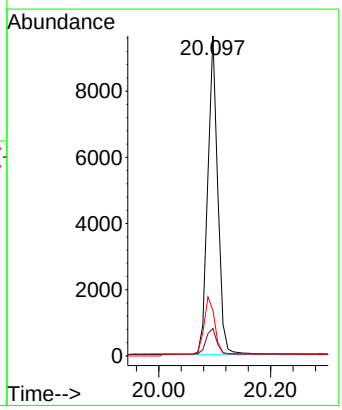


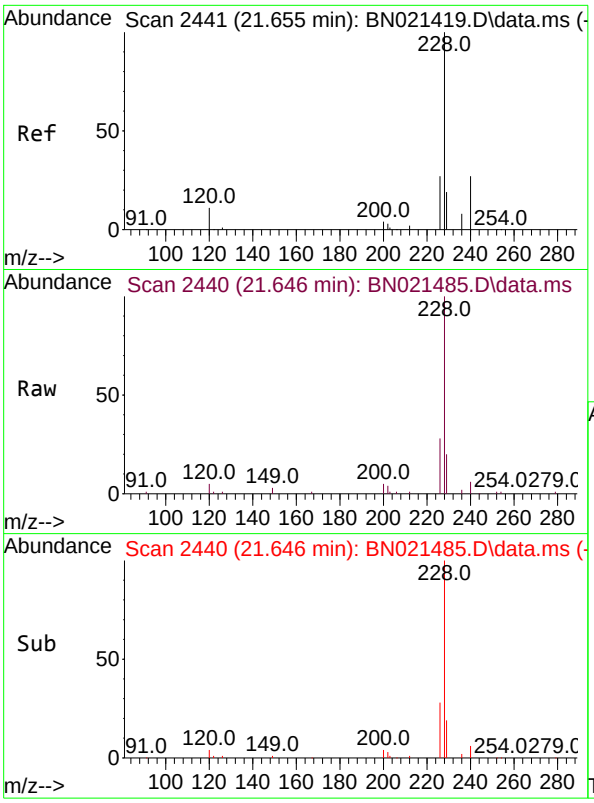


#31
Terphenyl-d14
Concen: 0.431 ng
RT: 20.097 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:244 Resp: 11955

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	14.3	9.1	13.7#



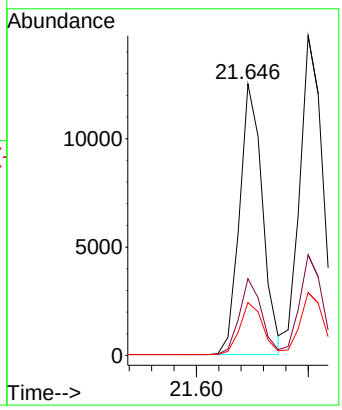


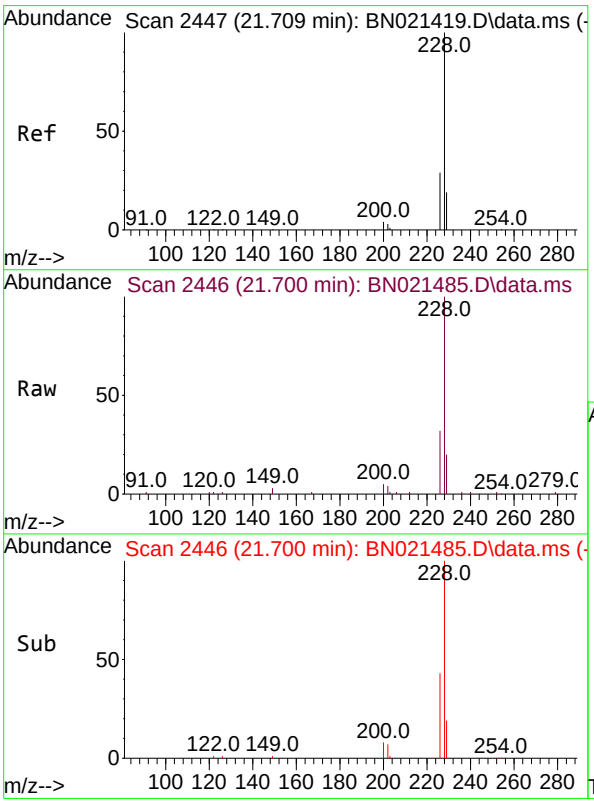
#32
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.646 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 17741

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.0	33.0
229	19.5	15.9	23.9

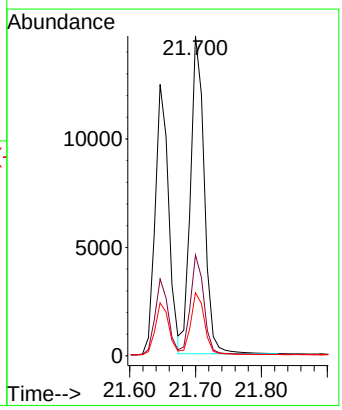


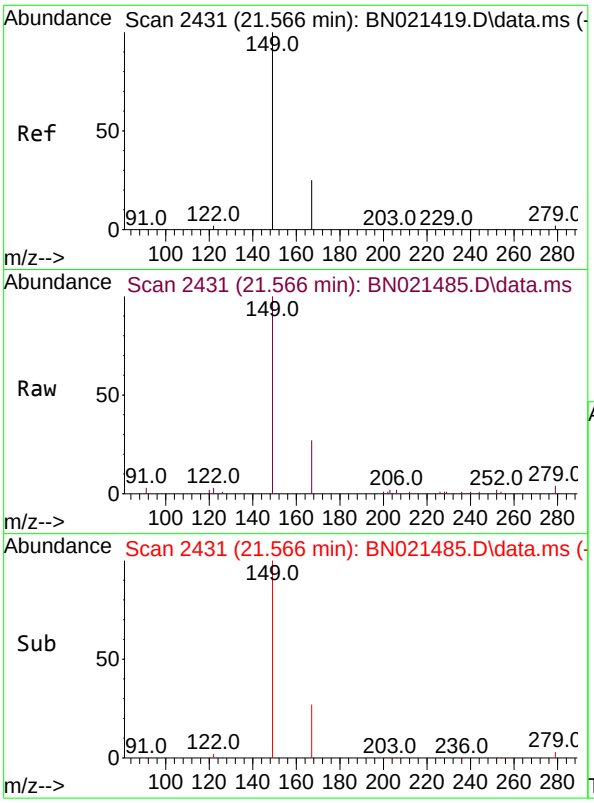


#33
Chrysene
Concen: 0.415 ng
RT: 21.700 min Scan# 2446
Delta R.T. -0.009 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:228 Resp: 21253

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.2	36.2
229	19.7	15.9	23.9



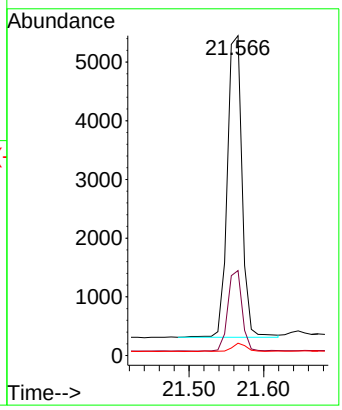


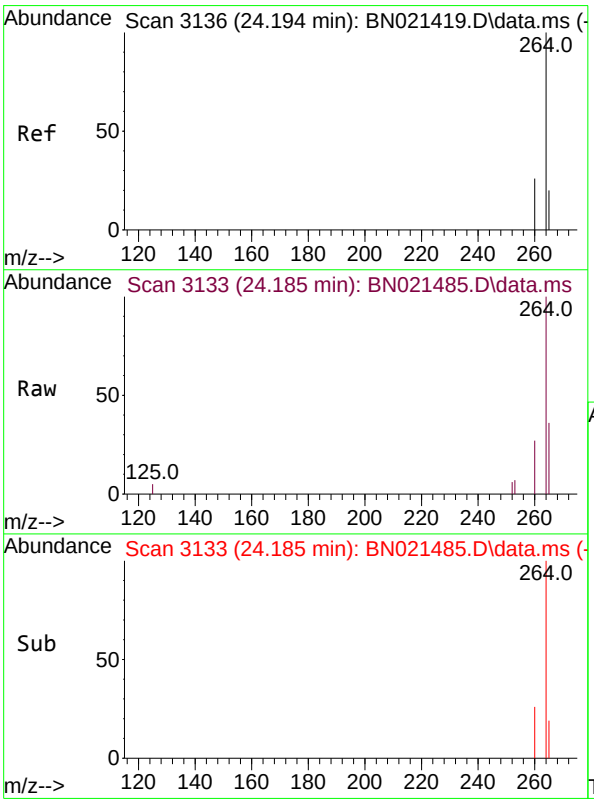
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.406 ng
RT: 21.566 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:149 Resp: 7025

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.4	32.0
279	2.9	2.2	3.2

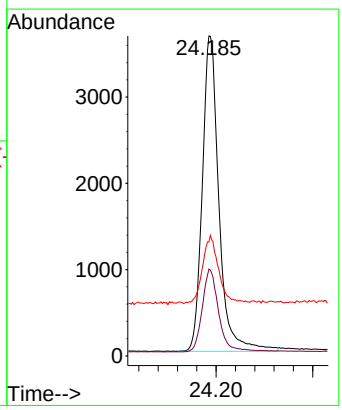


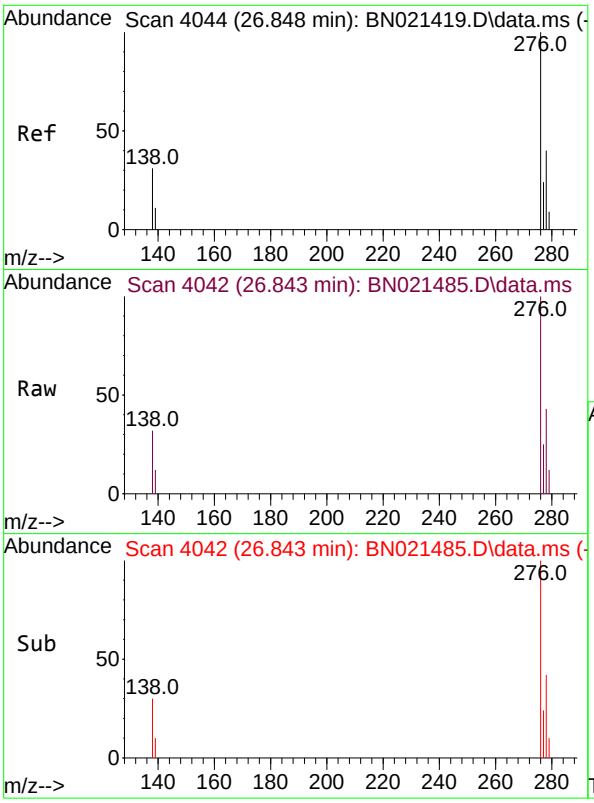


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.185 min Scan# 3133
Delta R.T. -0.009 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:264 Resp: 8726

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.0	31.6
265	35.6	32.2	48.2



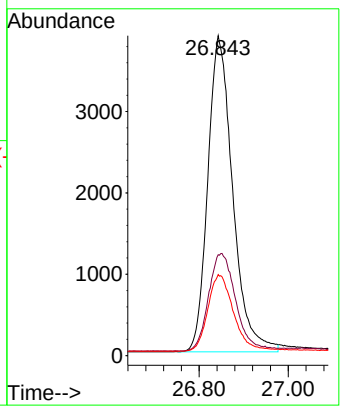


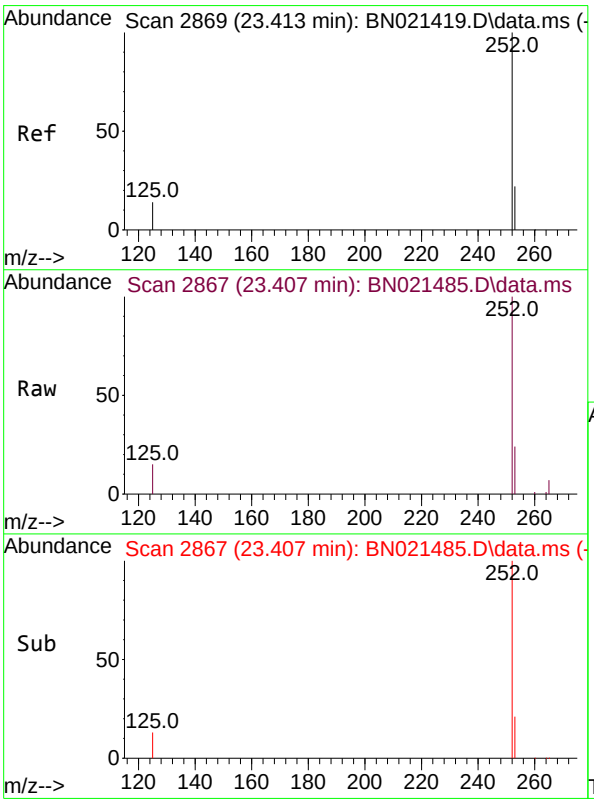
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.383 ng
RT: 26.843 min Scan# 40
Delta R.T. -0.006 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 15094

Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.4	41.2
277	25.0	19.9	29.9

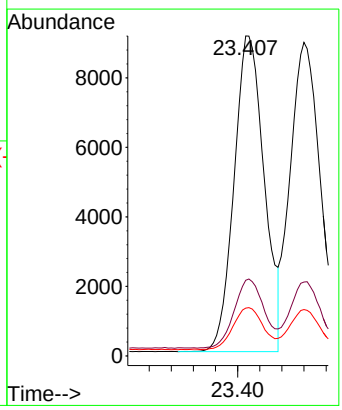


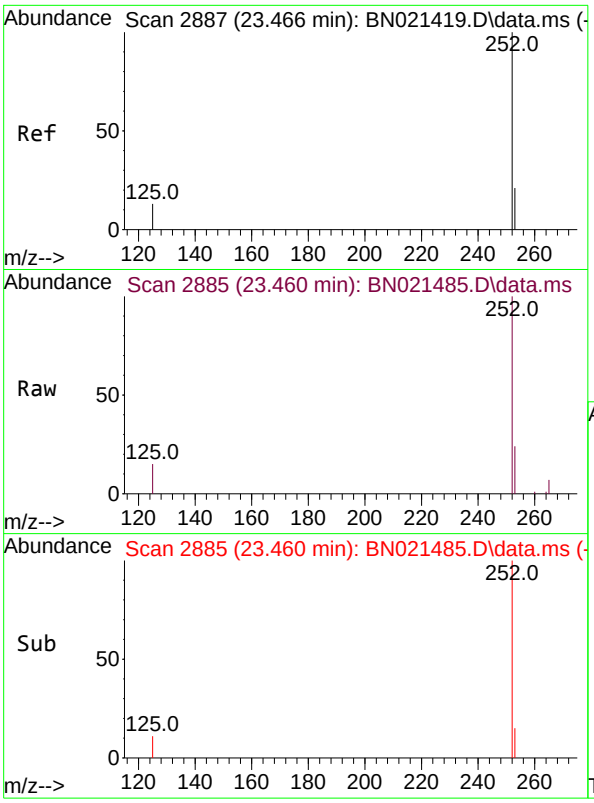


#37
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.407 min Scan# 2867
Delta R.T. -0.006 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:252 Resp: 17235

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.8	29.6
125	14.9	13.7	20.5



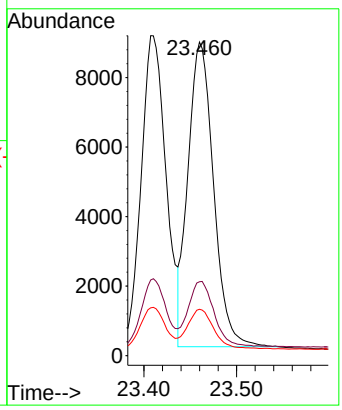


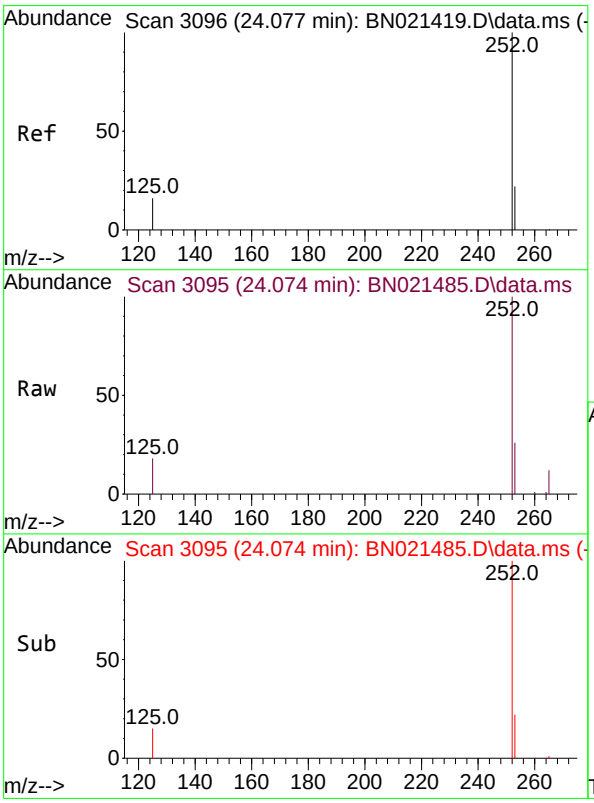
#38
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.460 min Scan# 28
Delta R.T. -0.006 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16789

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.5	29.3
125	14.8	12.3	18.5

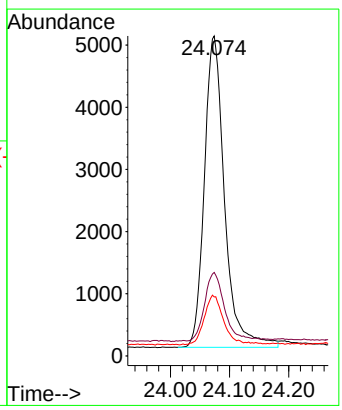


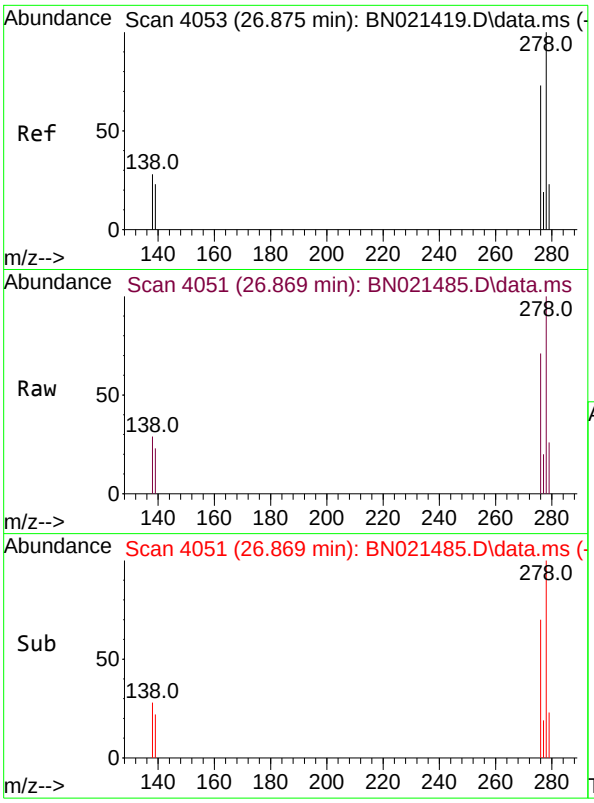


#39
Benzo(a)pyrene
Concen: 0.397 ng
RT: 24.074 min Scan# 3095
Delta R.T. -0.003 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:252 Resp: 11918

Ion	Ratio	Lower	Upper
252	100		
253	26.1	21.1	31.7
125	18.5	16.6	25.0



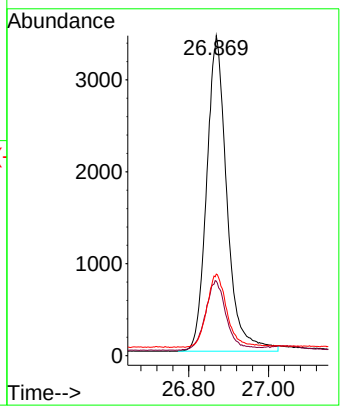


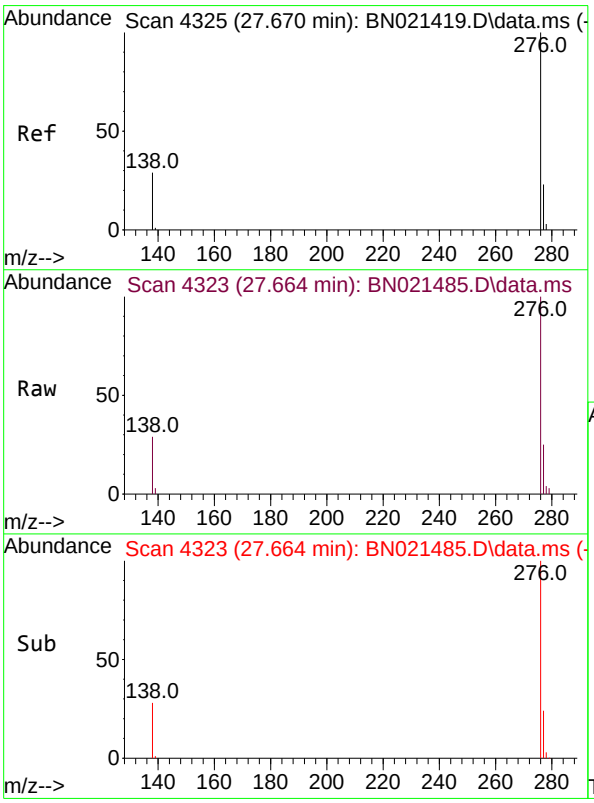
#40
Dibenzo(a,h)anthracene
Concen: 0.382 ng
RT: 26.869 min Scan# 40
Delta R.T. -0.006 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 12106

Ion	Ratio	Lower	Upper
278	100		
139	23.3	21.8	32.6
279	25.5	20.4	30.6





#41
Benzo(g,h,i)perylene
Concen: 0.386 ng
RT: 27.664 min Scan# 4323
Delta R.T. -0.006 min
Lab File: BN021485.D
Acq: 31 Aug 2022 10:22

Tgt Ion:276 Resp: 13429

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.7	29.5
138	29.5	23.7	35.5