Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090222\
Data File : BN021559.D
Acq On : 02 Sep 2022 13:00
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 03 03:06:09 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 00:53:31 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.069	152	4524	0.400	ng	0.00
7) Naphthalene-d8	10.898	136	14233	0.400	ng	0.00
13) Acenaphthene-d10	14.718	164	7991	0.400	ng	0.00
19) Phenanthrene-d10	17.470	188	15560	0.400	ng	0.00
29) Chrysene-d12	21.664	240	8447	0.400	ng	0.00
35) Perylene-d12	24.179	264	5582	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.591	112	3827	0.432	ng	0.00
5) Phenol-d6	7.216	99	4688	0.416	ng	0.00
8) Nitrobenzene-d5	9.243	82	3748	0.390	ng	0.00
11) 2-Methylnaphthalene-d10	12.486	152	14543	0.453	ng	0.00
14) 2,4,6-Tribromophenol	16.208	330	895	0.341	ng	-0.01
15) 2-Fluorobiphenyl	13.349	172	13685	0.392	ng	0.00
27) Fluoranthene-d10	19.501	212	14151	0.354	ng	0.00
31) Terphenyl-d14	20.088	244	8982	0.473	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.403	88	2430	0.429	ng	# 88
3) n-Nitrosodimethylamine	3.743	42	2133	0.418	ng	# 90
6) bis(2-Chloroethyl)ether	7.484	93	5780	0.407	ng	97
9) Naphthalene	10.951	128	16934	0.402	ng	99
10) Hexachlorobutadiene	11.229	225	2908	0.399	ng	# 99
12) 2-Methylnaphthalene	12.183	142	2241	0.446	ng	97
16) Acenaphthylene	14.440	152	14029	0.374	ng	100
17) Acenaphthene	14.782	154	10267	0.389	ng	97
18) Fluorene	15.765	166	12917	0.397	ng	100
21) 4-Bromophenyl-phenylether	16.659	248	3915	0.402	ng	96
22) Hexachlorobenzene	16.772	284	4899	0.412	ng	99
23) Atrazine	16.916	200	2027	0.357	ng	94
24) Pentachlorophenol	17.121	266	843	0.438	ng	97
25) Phenanthrene	17.511	178	21048	0.392	ng	100
26) Anthracene	17.603	178	16255	0.381	ng	99
28) Fluoranthene	19.531	202	19545	0.350	ng	99
30) Pyrene	19.893	202	21648	0.481	ng	98
32) Benzo(a)anthracene	21.646	228	11503	0.391	ng	99
33) Chrysene	21.700	228	14319	0.409	ng	99
34) Bis(2-ethylhexyl)phtha...	21.556	149	4864	0.410	ng	98
36) Indeno(1,2,3-cd)pyrene	26.834	276	10588	0.420	ng	100
37) Benzo(b)fluoranthene	23.404	252	10764	0.391	ng	99
38) Benzo(k)fluoranthene	23.457	252	10583	0.382	ng	99
39) Benzo(a)pyrene	24.068	252	7523	0.392	ng	97
40) Dibenzo(a,h)anthracene	26.860	278	8434	0.416	ng	95
41) Benzo(g,h,i)perylene	27.652	276	9694	0.436	ng	99

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

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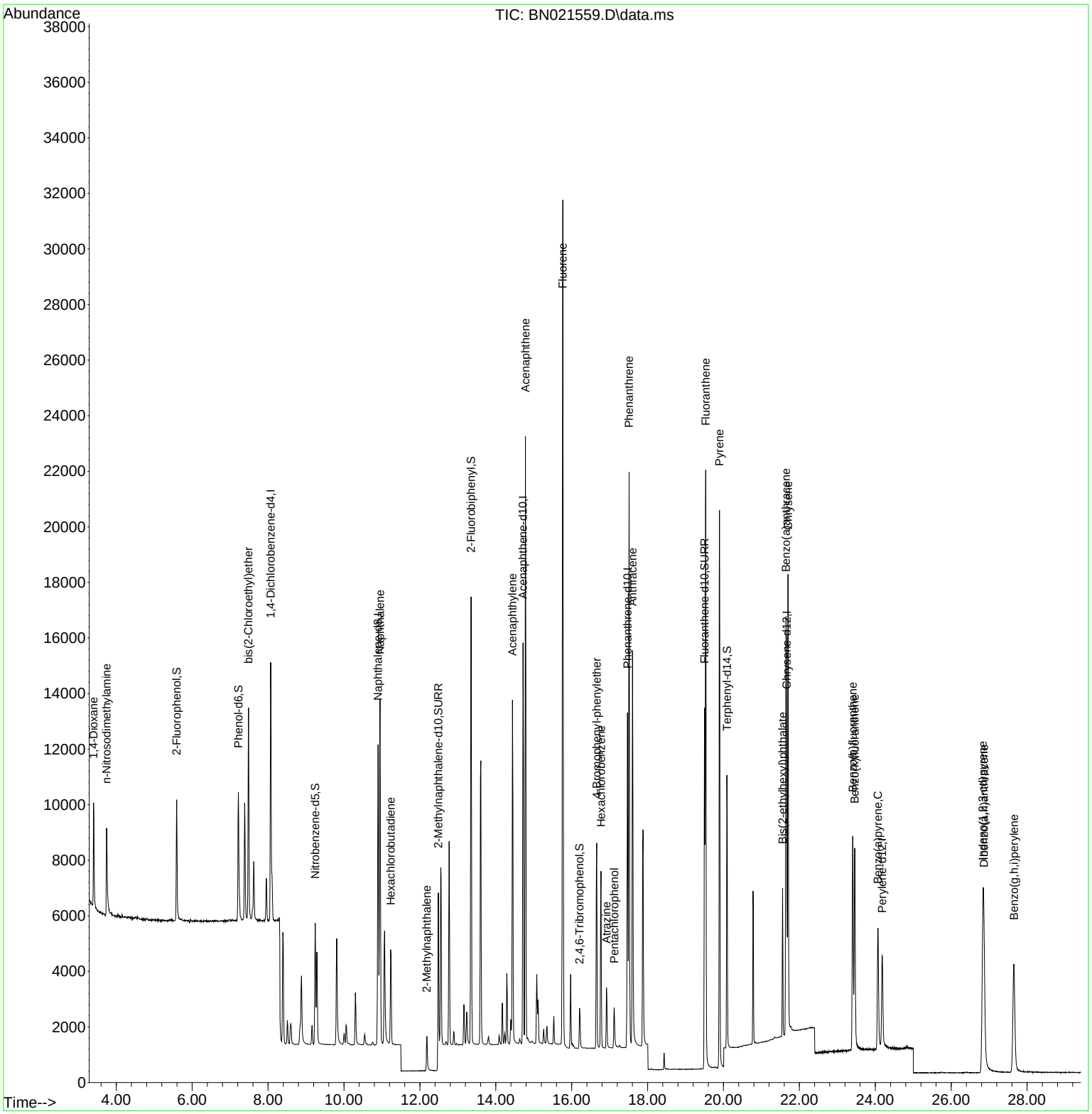
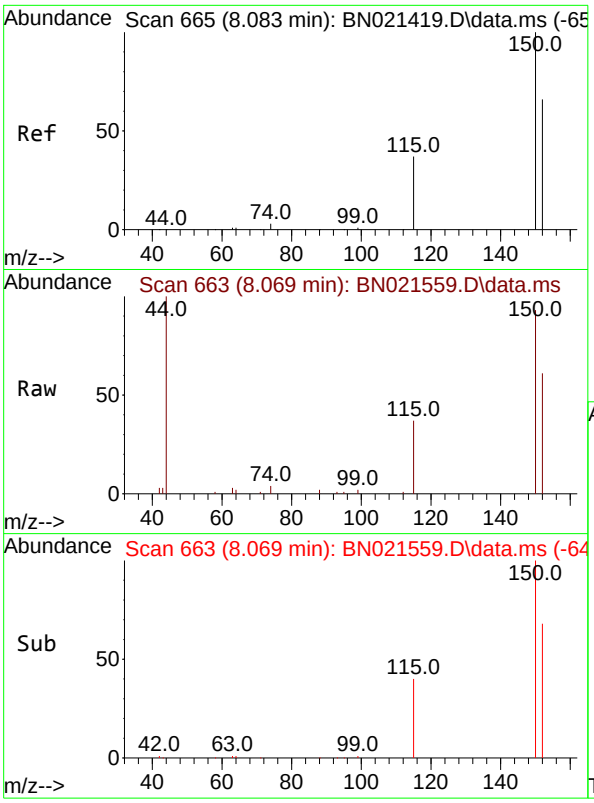
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 03 03:06:09 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 00:53:31 2022
Response via : Initial Calibration



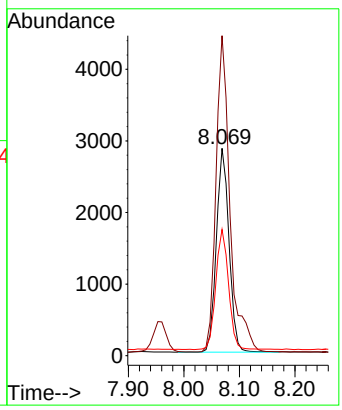


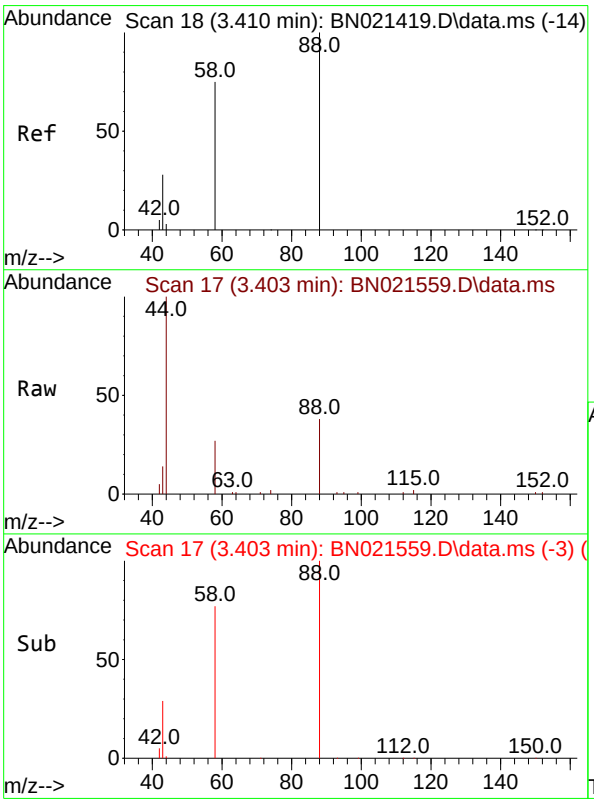
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.069 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4524

Ion	Ratio	Lower	Upper
152	100		
150	154.4	121.4	182.0
115	60.9	48.6	72.8

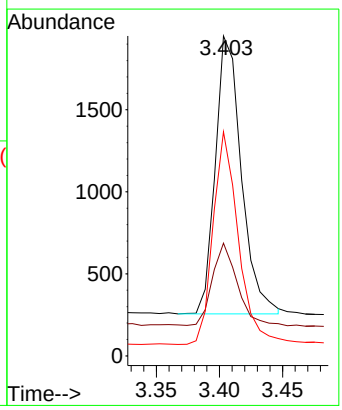


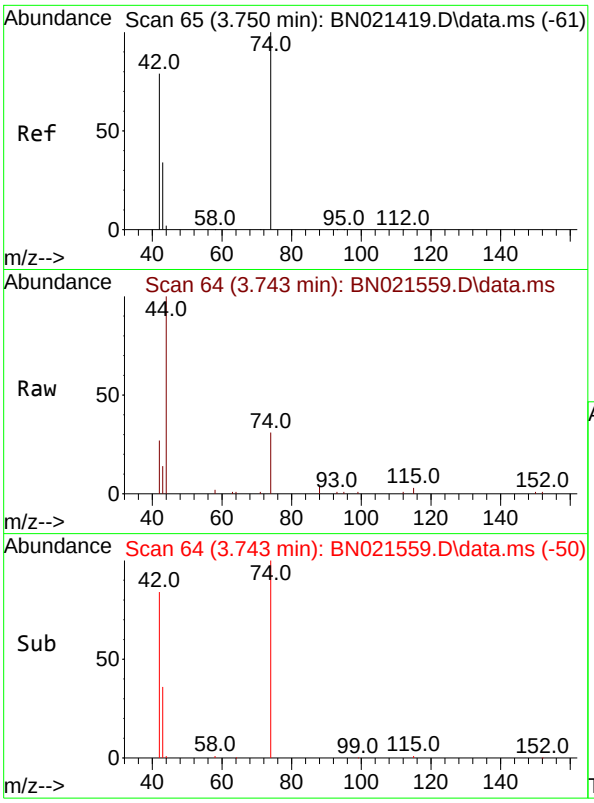


#2
1,4-Dioxane
Concen: 0.429 ng
RT: 3.403 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion: 88 Resp: 2430

Ion	Ratio	Lower	Upper
88	100		
43	28.1	35.8	53.8#
58	73.9	57.1	85.7



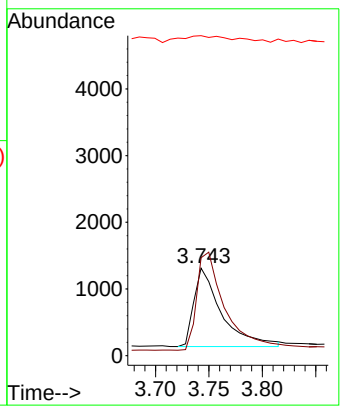


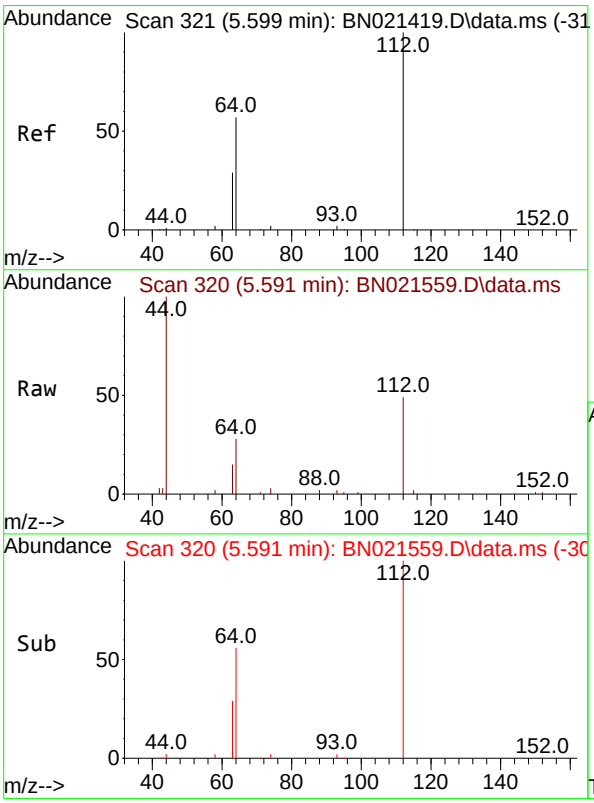
#3
n-Nitrosodimethylamine
Concen: 0.418 ng
RT: 3.743 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2133

Ion	Ratio	Lower	Upper
42	100		
74	128.6	113.0	169.6
44	17.6	10.5	15.7#

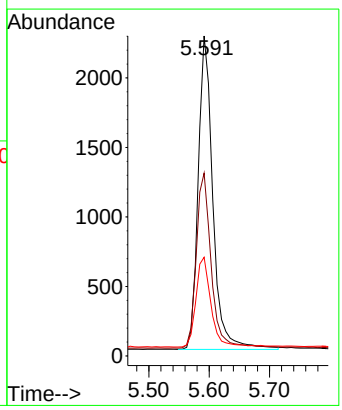


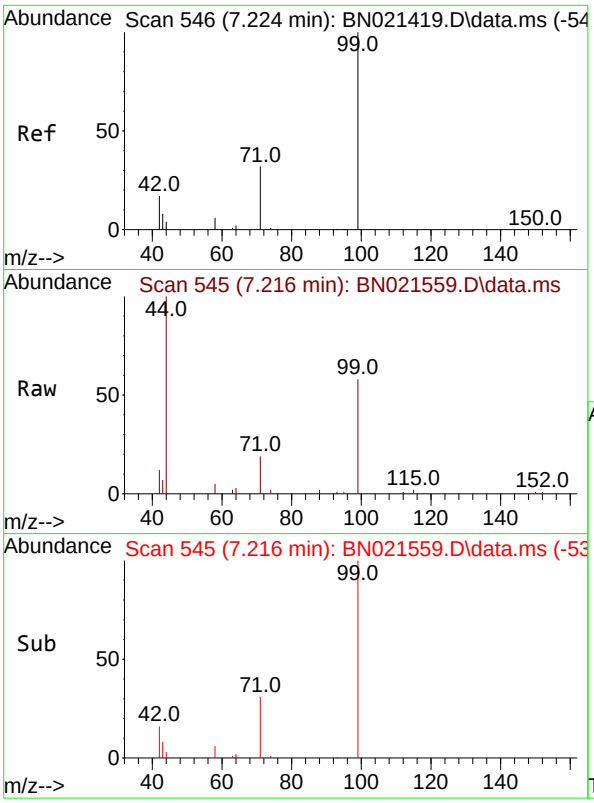


#4
2-Fluorophenol
Concen: 0.432 ng
RT: 5.591 min Scan# 320
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:112 Resp: 3827

Ion	Ratio	Lower	Upper
112	100		
64	56.9	43.5	65.3
63	29.6	22.6	34.0



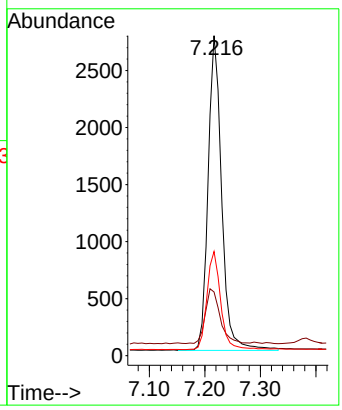


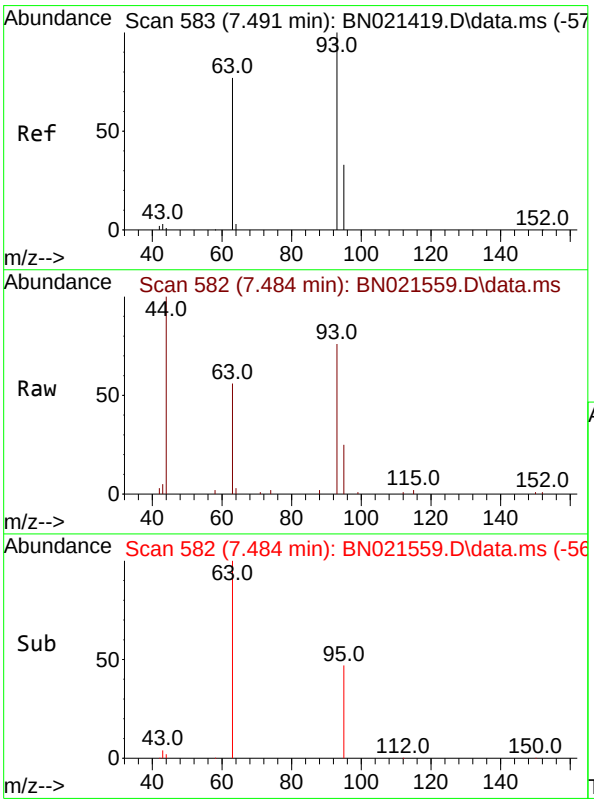
#5
Phenol-d6
Concen: 0.416 ng
RT: 7.216 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4688

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.5	23.3
71	31.7	24.2	36.2

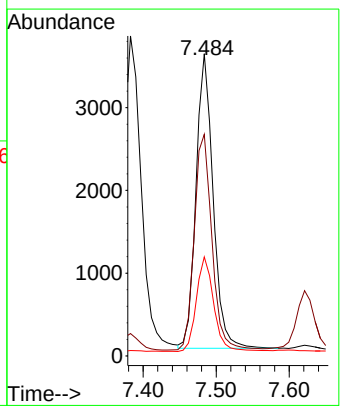


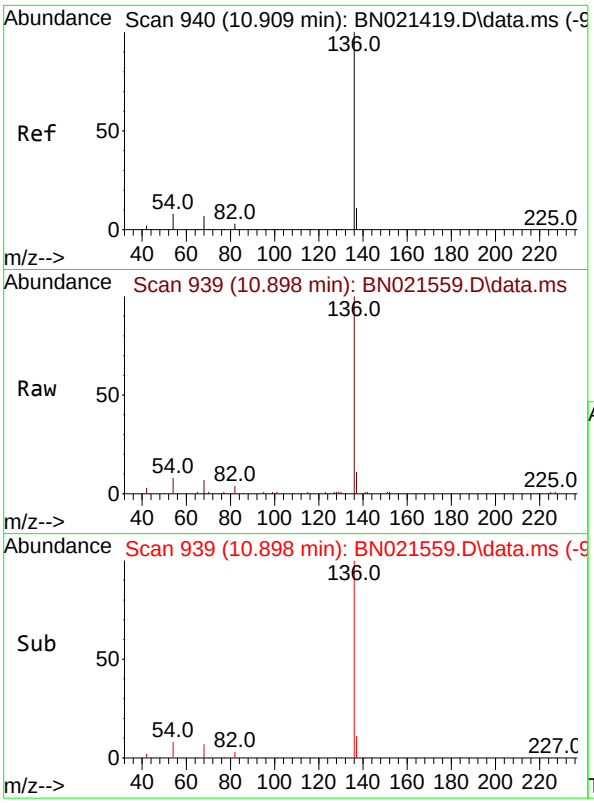


#6
bis(2-Chloroethyl)ether
Concen: 0.407 ng
RT: 7.484 min Scan# 582
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion: 93 Resp: 5780

Ion	Ratio	Lower	Upper
93	100		
63	75.8	57.8	86.8
95	32.6	25.9	38.9



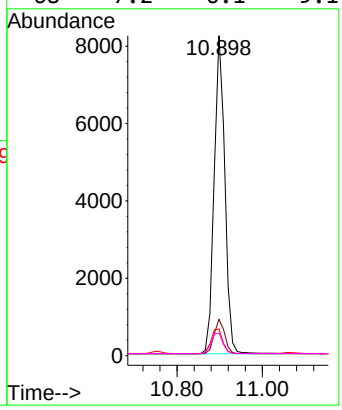


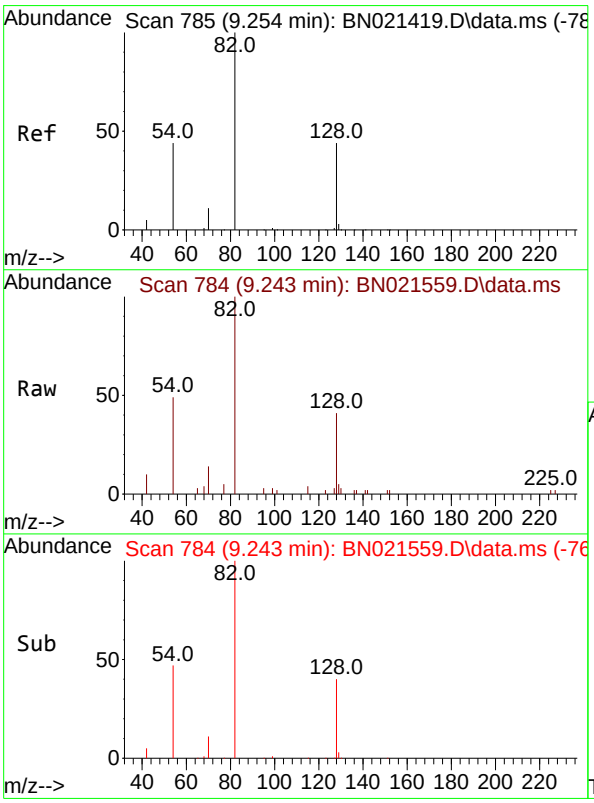
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.898 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 14233

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	8.3	6.9	10.3
68	7.2	6.1	9.1

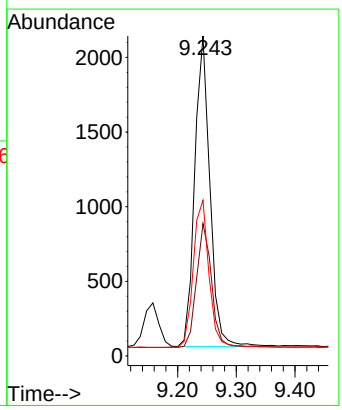


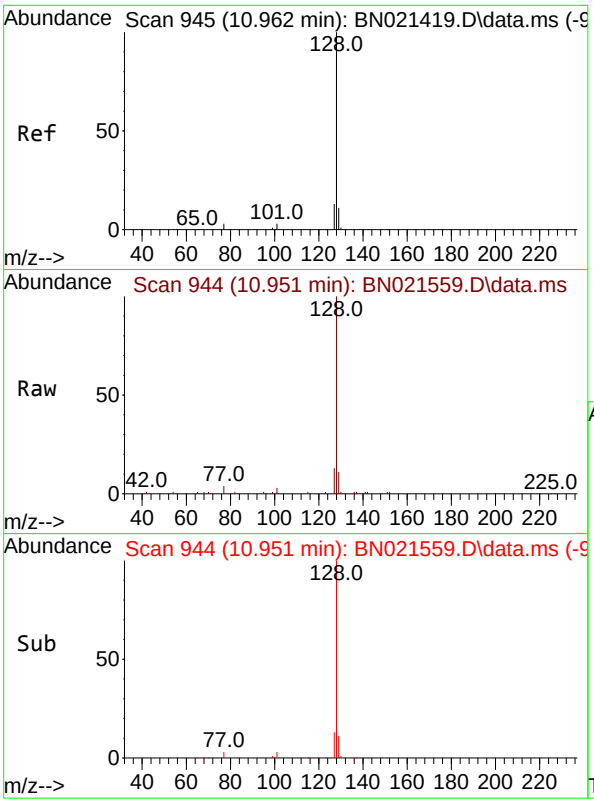


#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 9.243 min Scan# 784
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion: 82 Resp: 3748

Ion	Ratio	Lower	Upper
82	100		
128	41.4	30.9	46.3
54	48.6	42.7	64.1



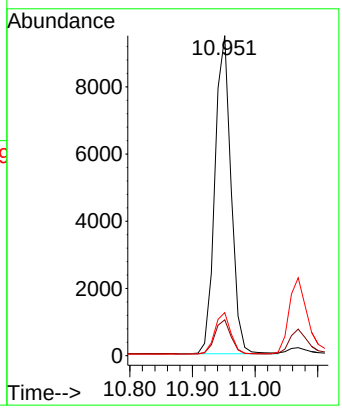


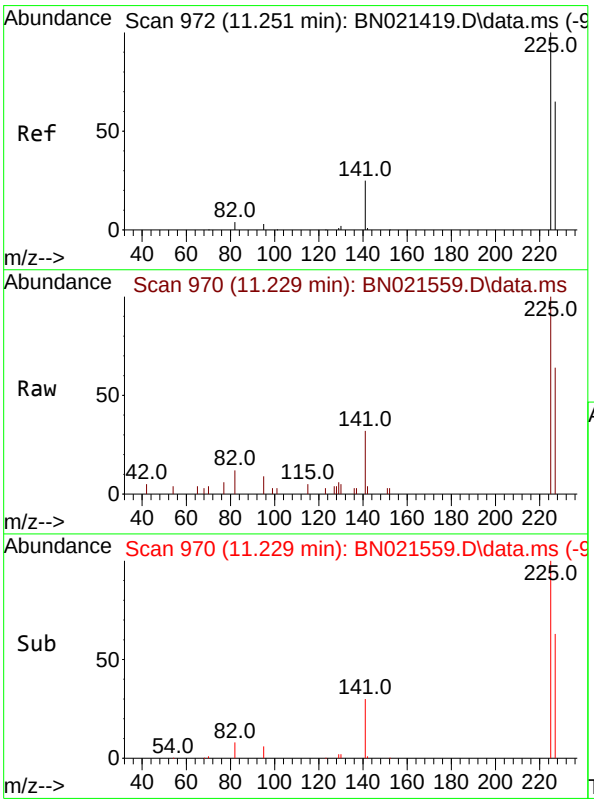
#9
Naphthalene
Concen: 0.402 ng
RT: 10.951 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16934

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.5	11.0	16.4

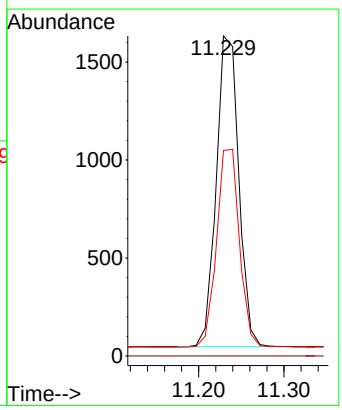


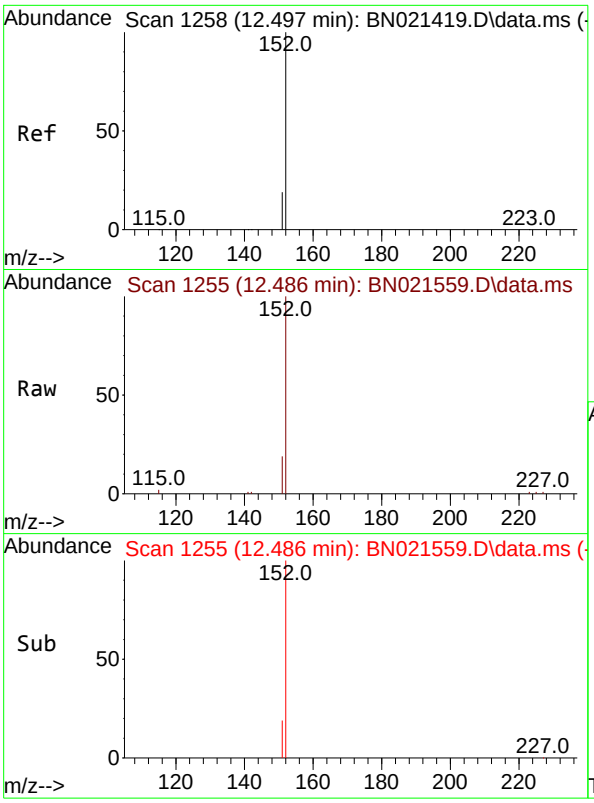


#10
Hexachlorobutadiene
Concen: 0.399 ng
RT: 11.229 min Scan# 970
Delta R.T. -0.011 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:225 Resp: 2908

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



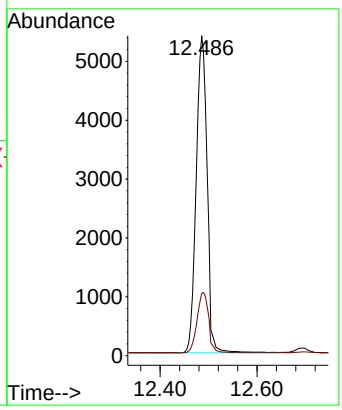


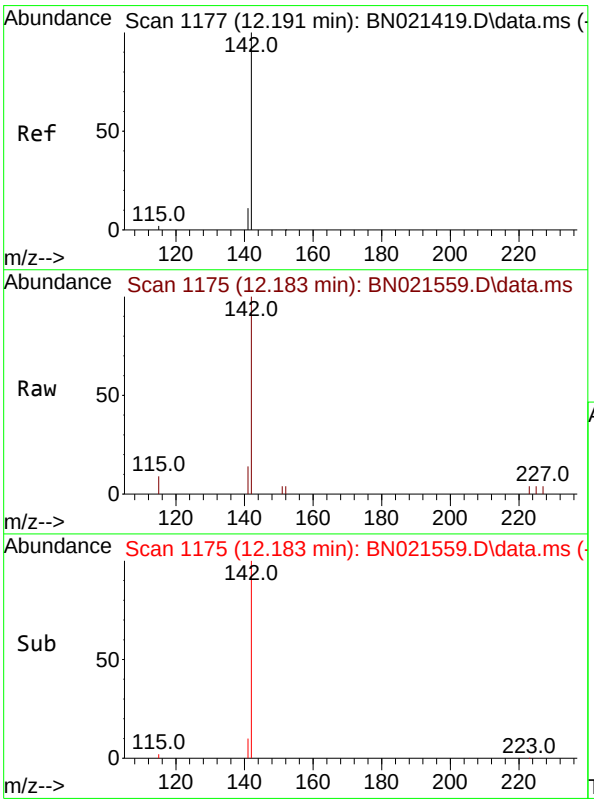
#11
2-Methylnaphthalene-d10
Concen: 0.453 ng
RT: 12.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 14543

Ion	Ratio	Lower	Upper
152	100		
151	19.3	14.5	21.7

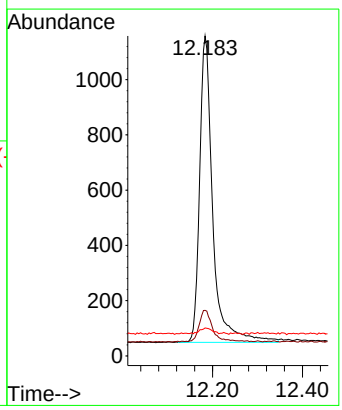


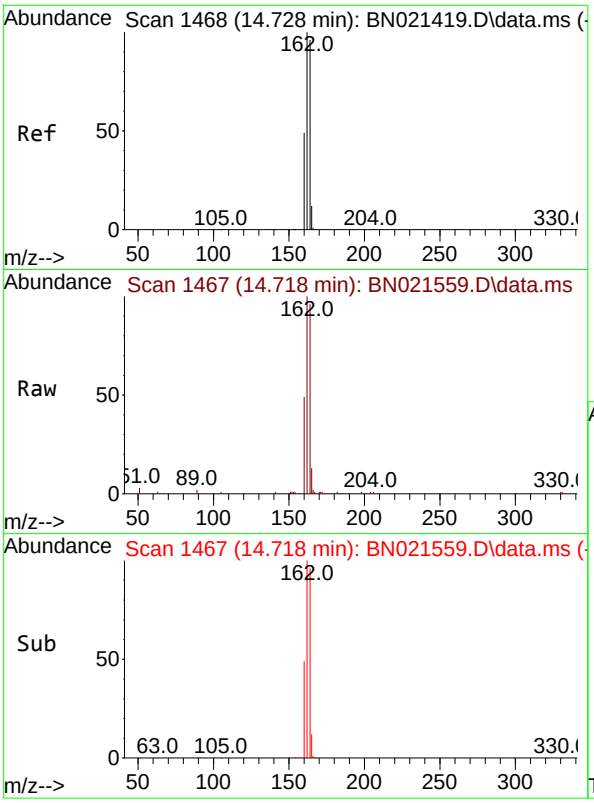


#12
2-Methylnaphthalene
Concen: 0.446 ng
RT: 12.183 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:142 Resp: 2241

Ion	Ratio	Lower	Upper
142	100		
141	14.2	12.2	18.2
115	8.7	7.9	11.9



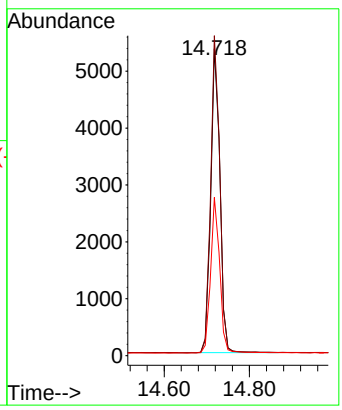


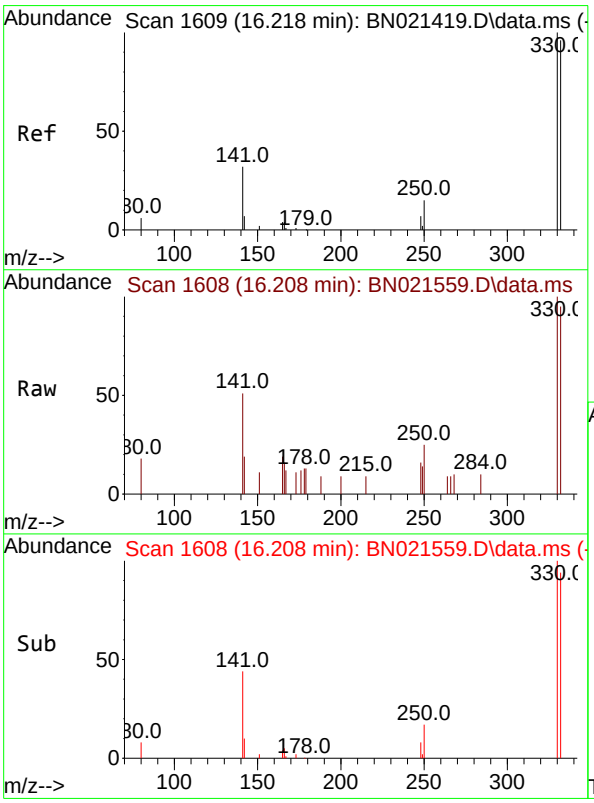
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.718 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7991

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.2	123.4
160	51.6	39.5	59.3

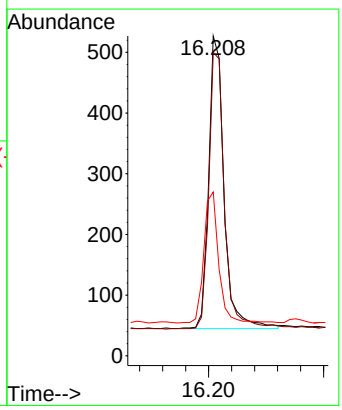


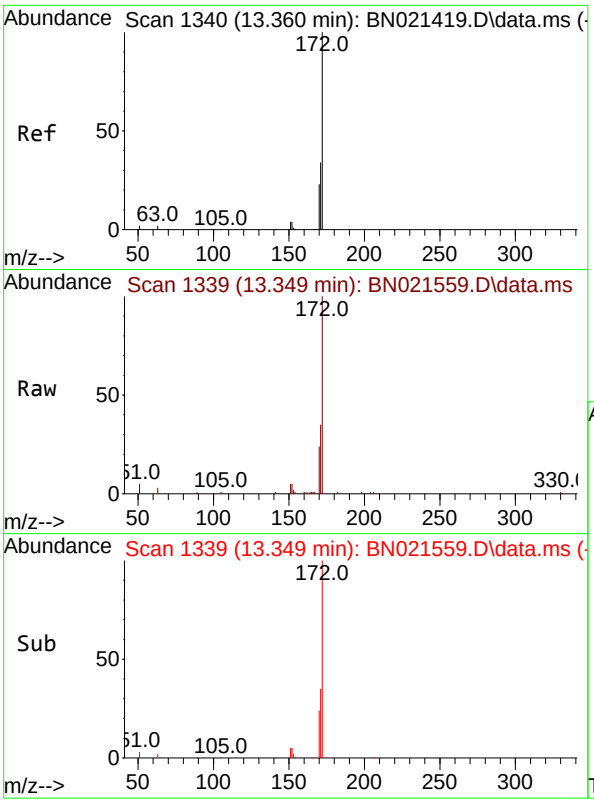


#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 16.208 min Scan# 1608
Delta R.T. -0.010 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:330 Resp: 895

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.3	118.9
141	43.9	37.1	55.7



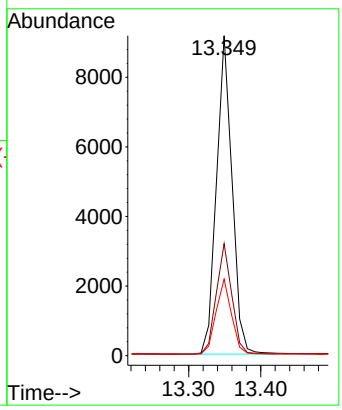


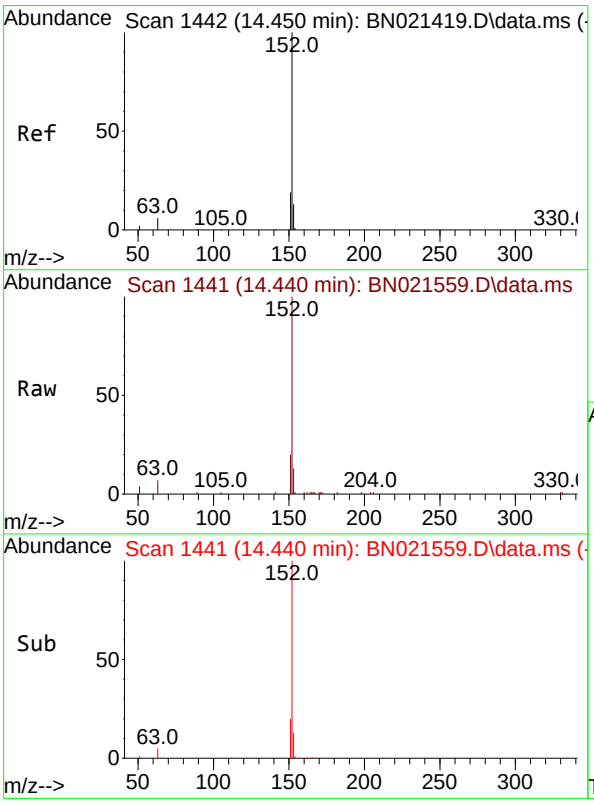
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 13685

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.9	18.6	28.0

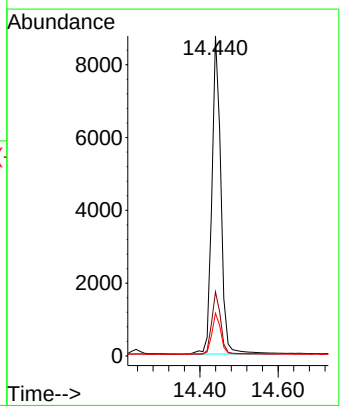


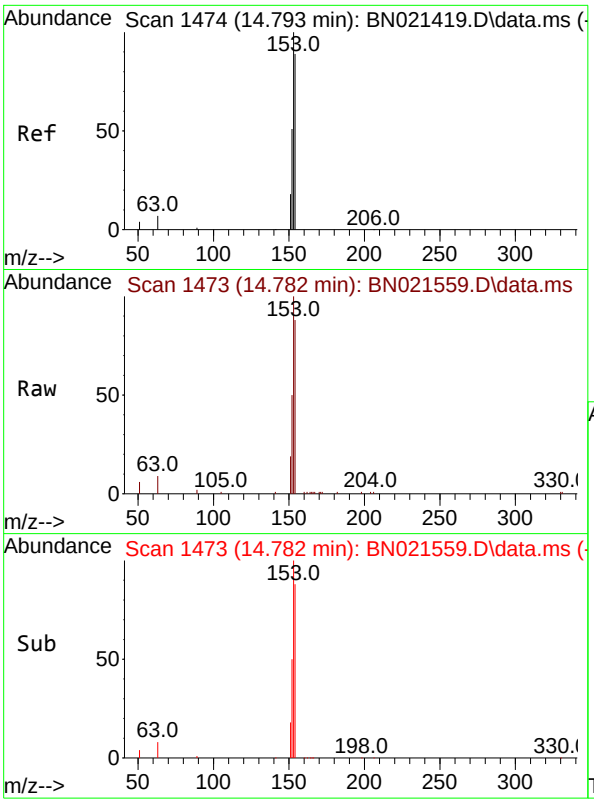


#16
Acenaphthylene
Concen: 0.374 ng
RT: 14.440 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:152 Resp: 14029

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	12.9	10.3	15.5



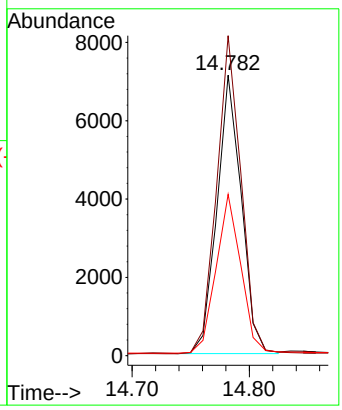


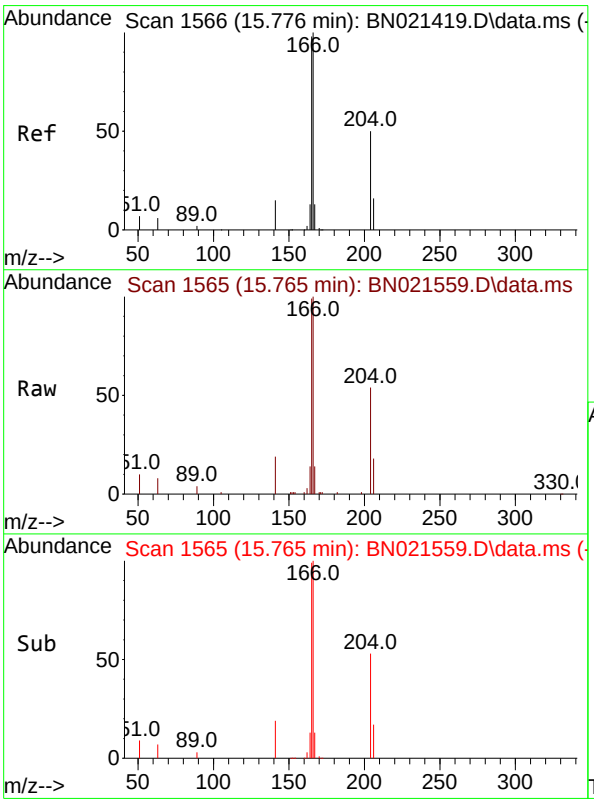
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.782 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10267

Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.5	134.3
152	58.6	45.5	68.3

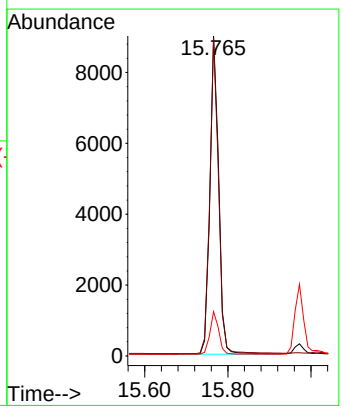


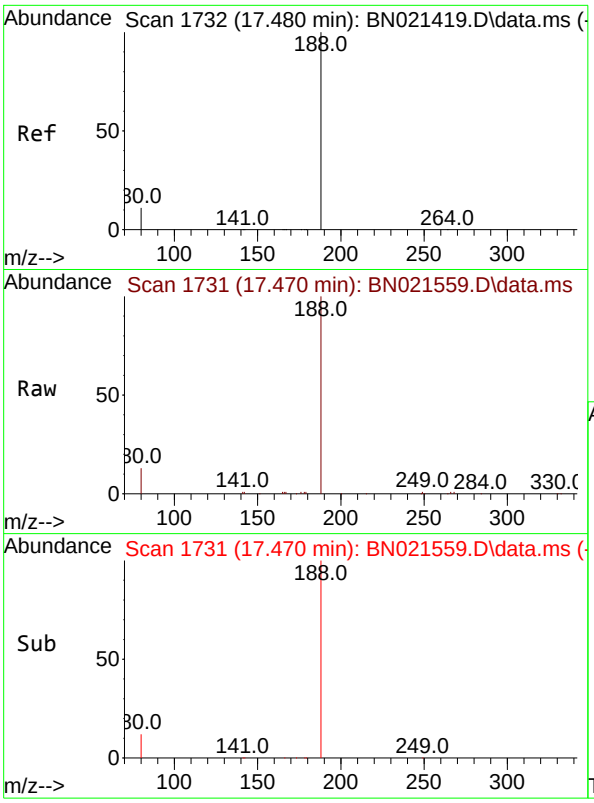


#18
Fluorene
Concen: 0.397 ng
RT: 15.765 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:166 Resp: 12917

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.7	118.1
167	13.5	10.6	16.0



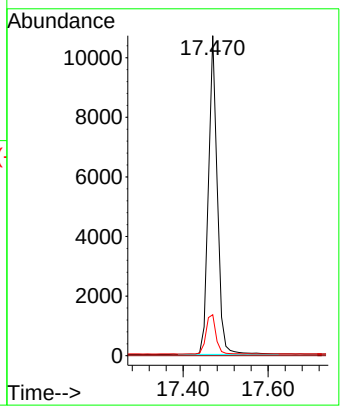


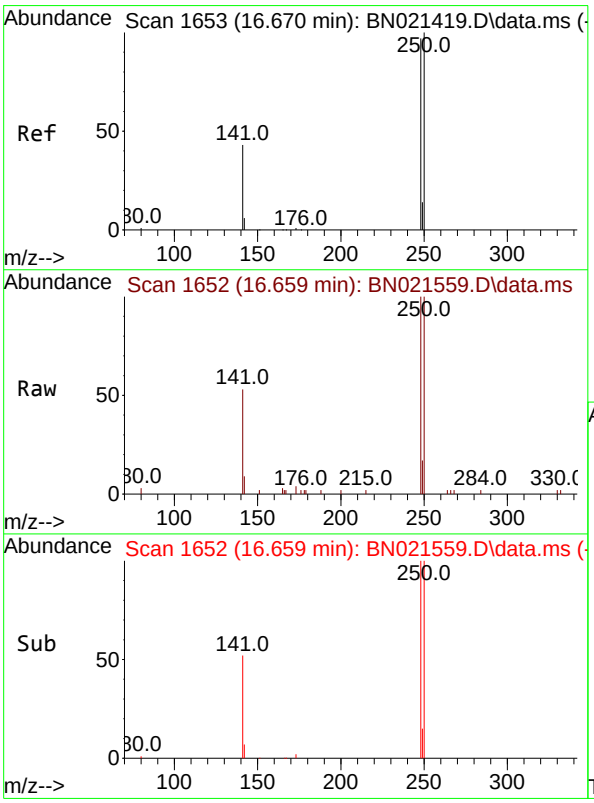
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 15560

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.8	9.5	14.3

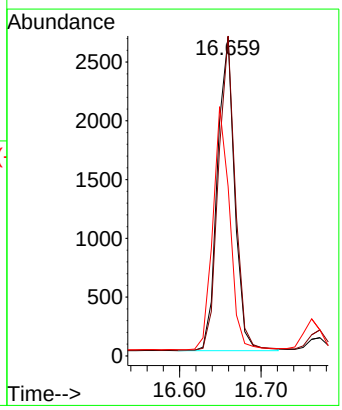


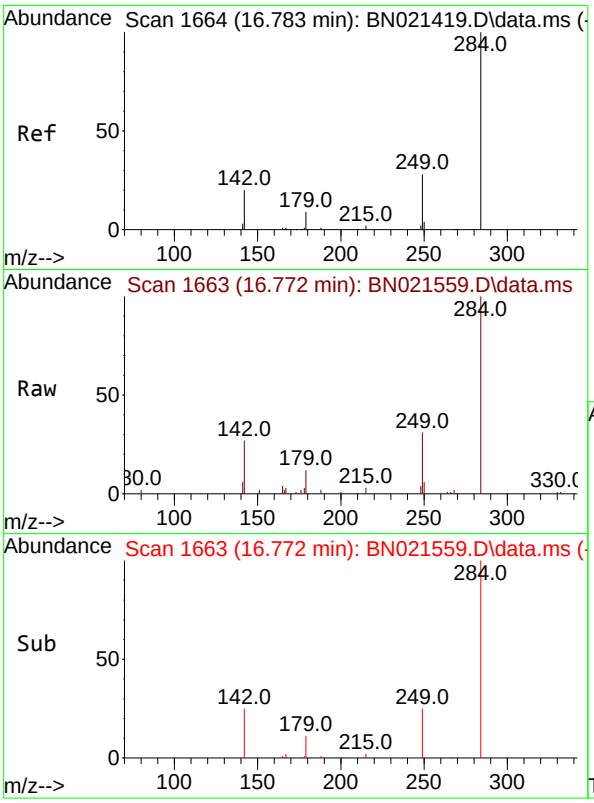


#21
4-Bromophenyl-phenylether
Concen: 0.402 ng
RT: 16.659 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:248 Resp: 3915

Ion	Ratio	Lower	Upper
248	100		
250	100.3	81.8	122.6
141	53.1	38.5	57.7



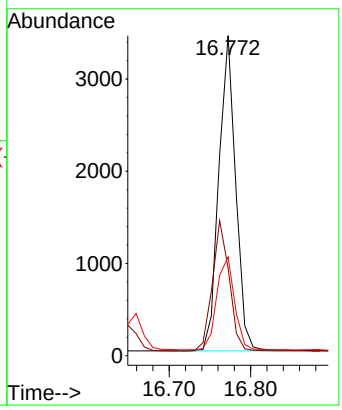


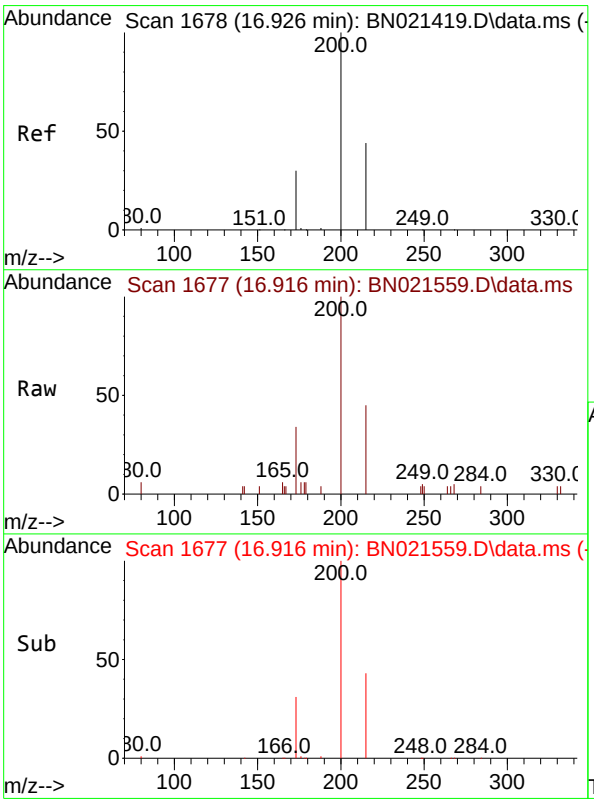
#22
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.772 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 4899

Ion	Ratio	Lower	Upper
284	100		
142	41.3	32.3	48.5
249	31.0	25.4	38.2

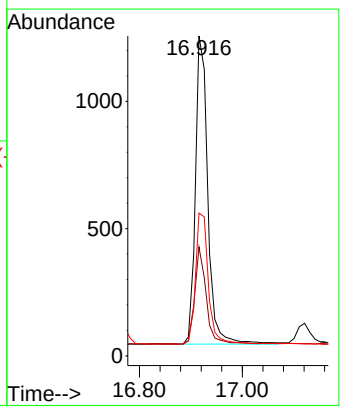


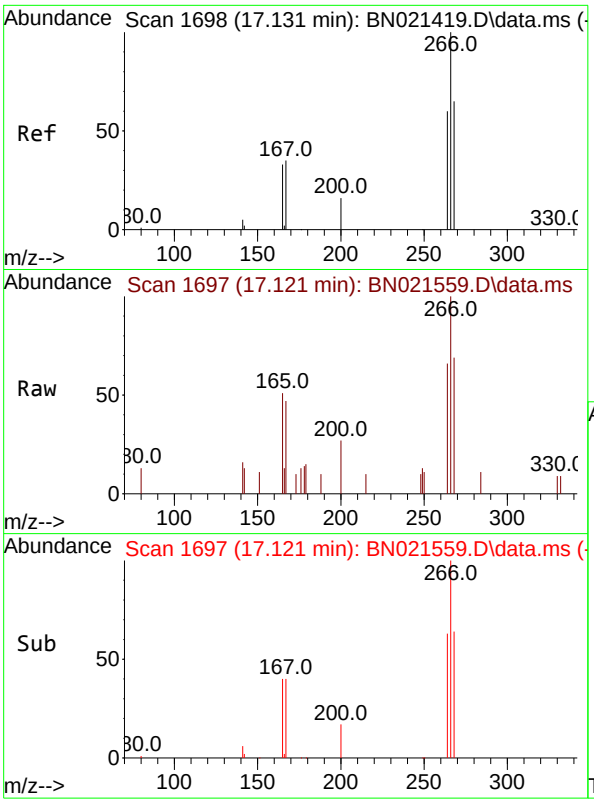


#23
Atrazine
Concen: 0.357 ng
RT: 16.916 min Scan# 1677
Delta R.T. -0.010 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:200 Resp: 2027

Ion	Ratio	Lower	Upper
200	100		
173	34.0	24.3	36.5
215	44.6	38.4	57.6



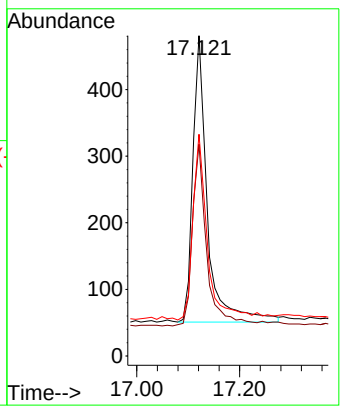


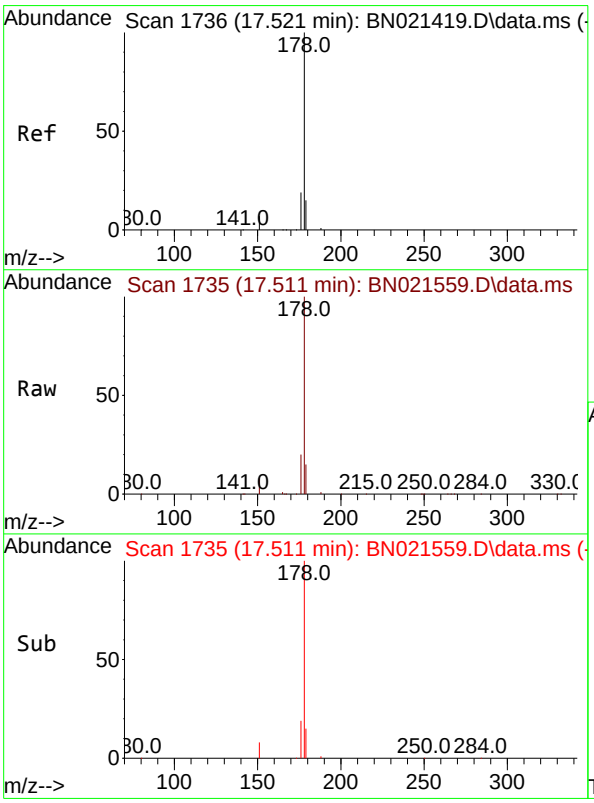
#24
Pentachlorophenol
Concen: 0.438 ng
RT: 17.121 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:266 Resp: 843

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.0	73.6
268	66.8	50.9	76.3

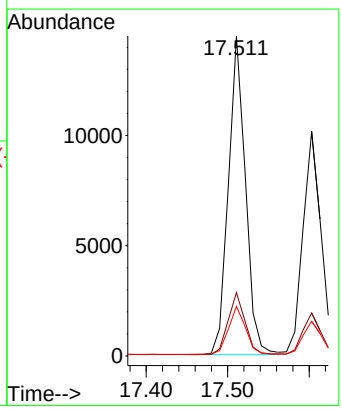


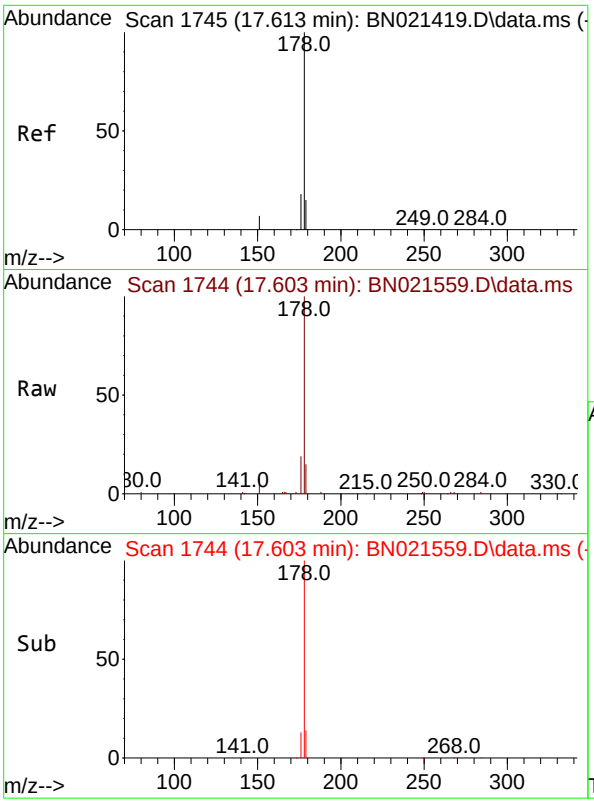


#25
Phenanthrene
Concen: 0.392 ng
RT: 17.511 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:178 Resp: 21048

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.2	12.2	18.4



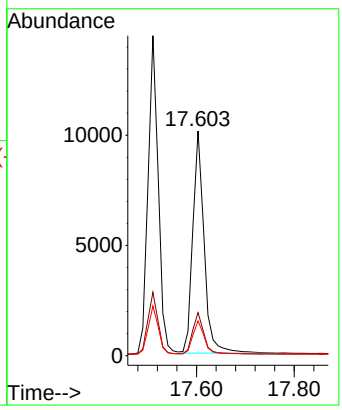


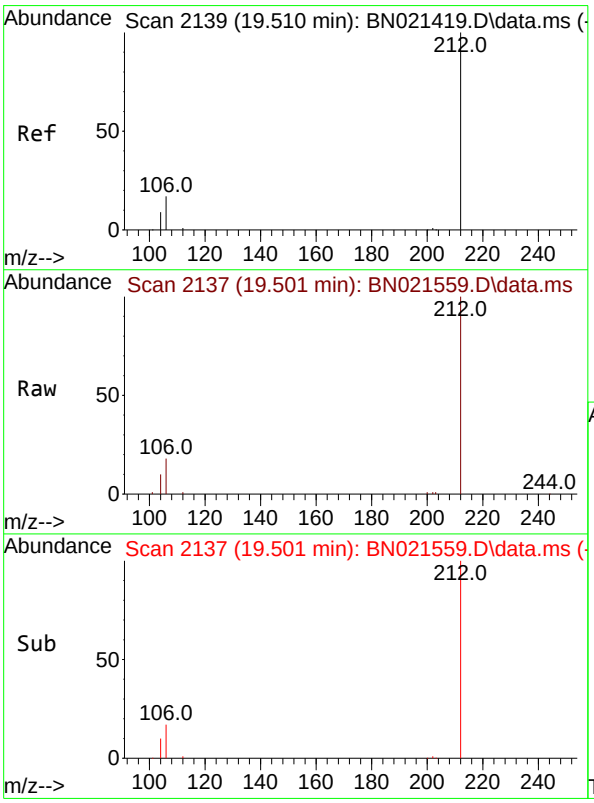
#26
Anthracene
Concen: 0.381 ng
RT: 17.603 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 16255

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.2	12.2	18.2

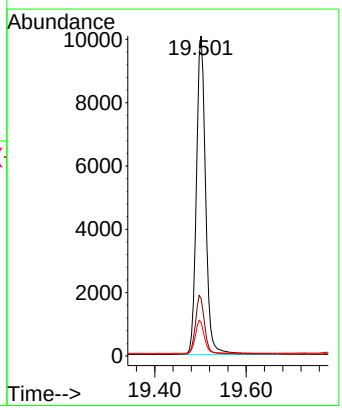


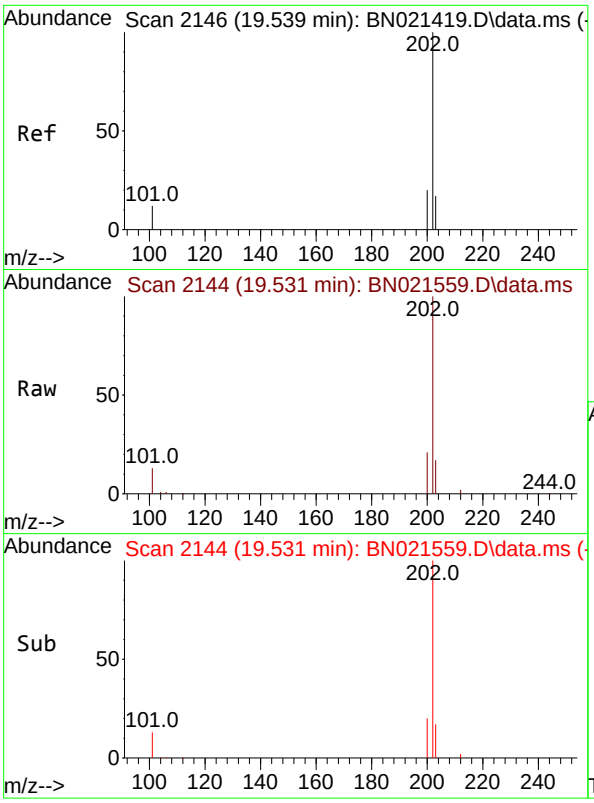


#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.501 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:212 Resp: 14151

Ion	Ratio	Lower	Upper
212	100		
106	18.3	14.2	21.2
104	10.1	7.8	11.6



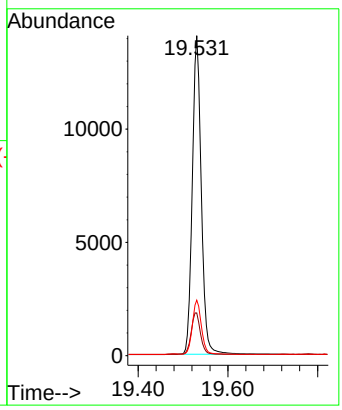


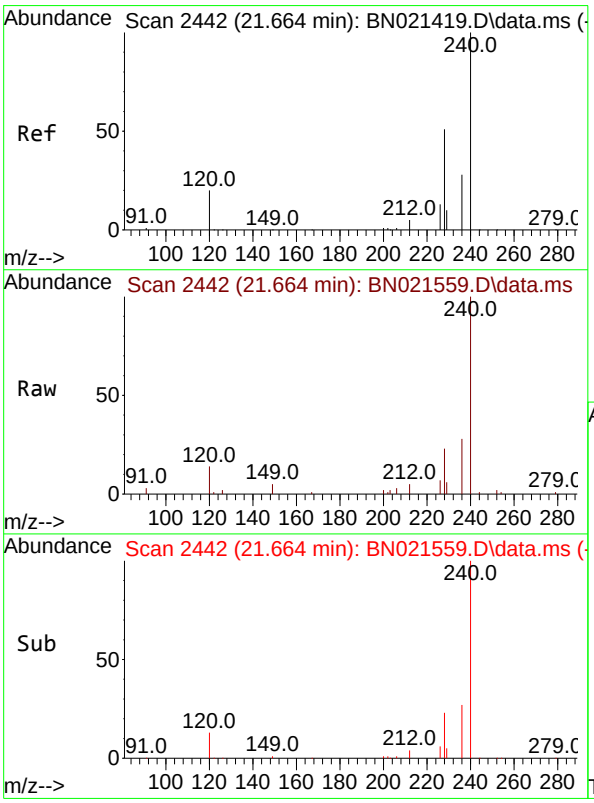
#28
Fluoranthene
Concen: 0.350 ng
RT: 19.531 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 19545

Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.9	16.3
203	16.9	13.8	20.6

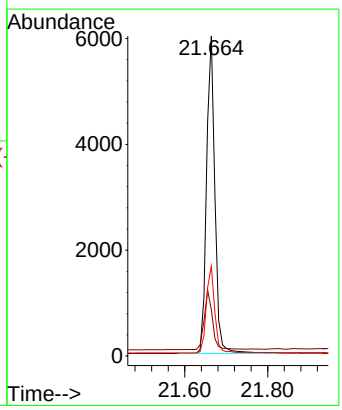


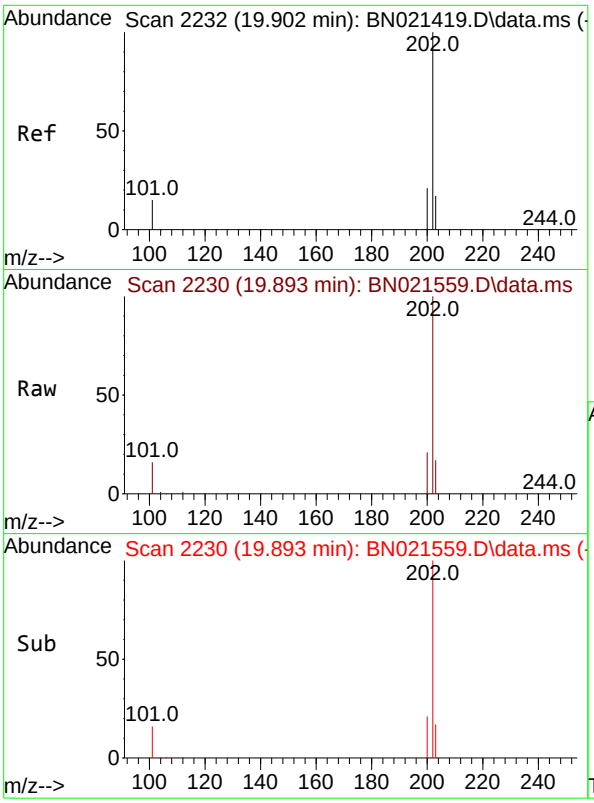


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.664 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:240 Resp: 8447

Ion	Ratio	Lower	Upper
240	100		
120	14.5	10.2	15.4
236	28.1	22.1	33.1



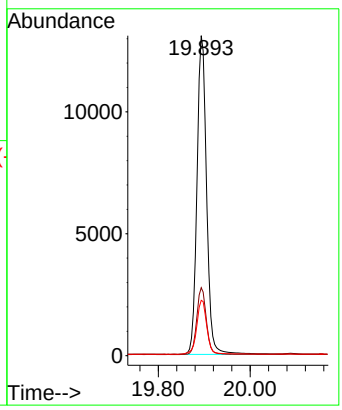


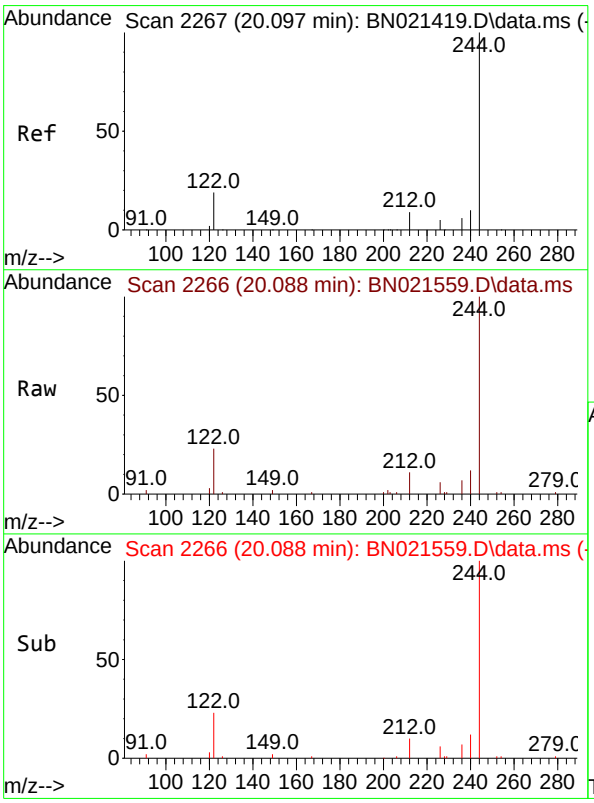
#30
Pyrene
Concen: 0.481 ng
RT: 19.893 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 21648

Ion	Ratio	Lower	Upper
202	100		
200	18.2	13.9	20.9
203	15.4	11.9	17.9

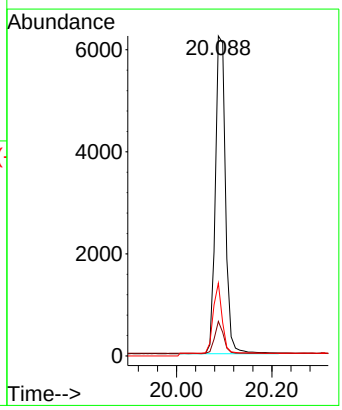


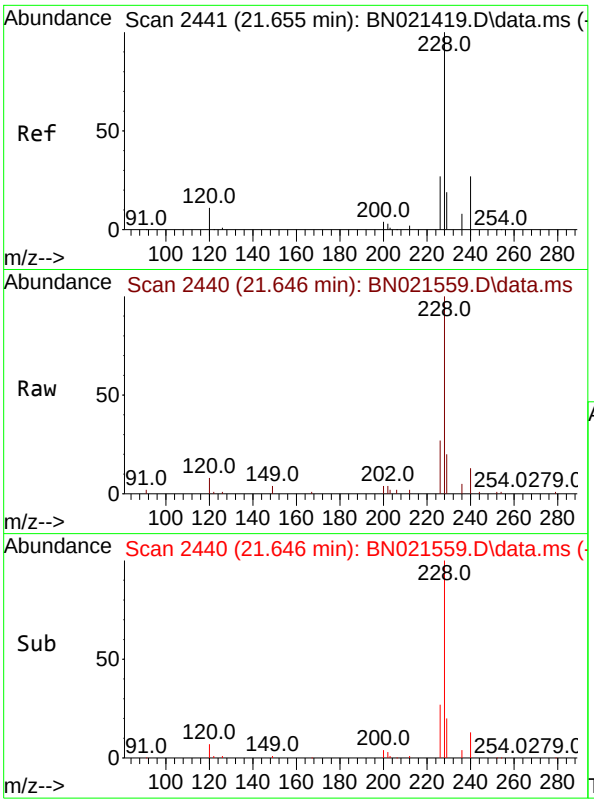


#31
Terphenyl-d14
Concen: 0.473 ng
RT: 20.088 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:244 Resp: 8982

Ion	Ratio	Lower	Upper
244	100		
212	10.8	6.5	9.7#
122	22.8	9.1	13.7#



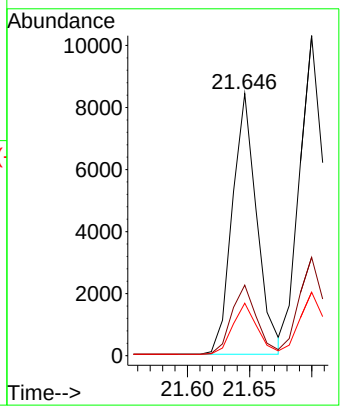


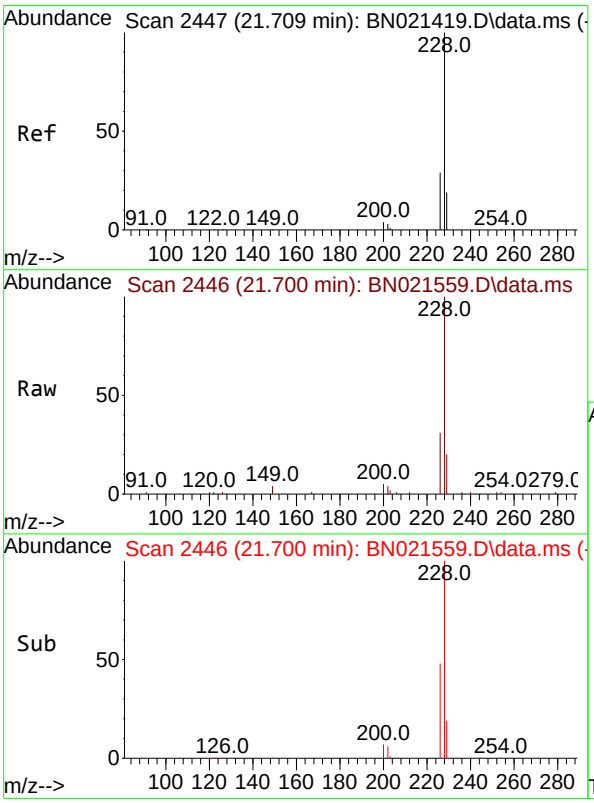
#32
Benzo(a)anthracene
Concen: 0.391 ng
RT: 21.646 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11503

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.0	33.0
229	20.0	15.9	23.9

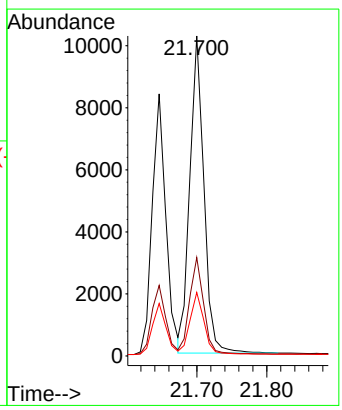


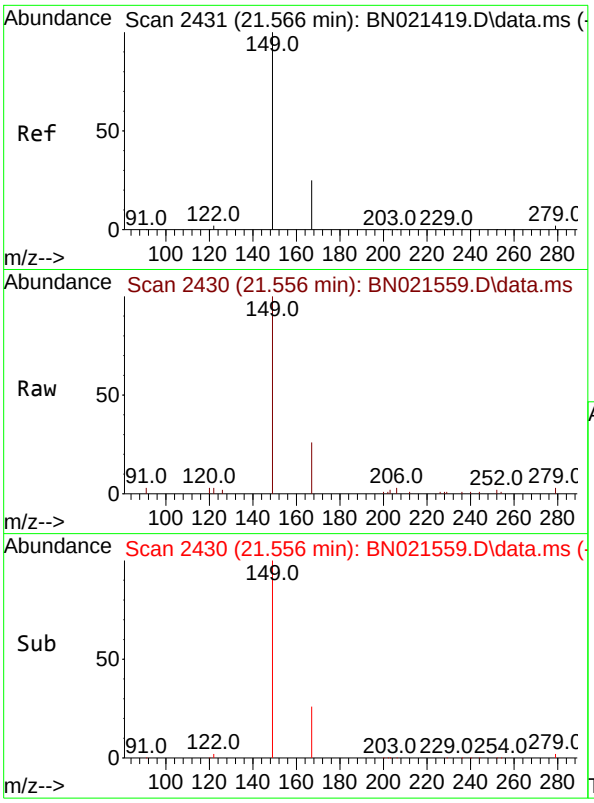


#33
Chrysene
Concen: 0.409 ng
RT: 21.700 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:228 Resp: 14319

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	19.9	15.9	23.9



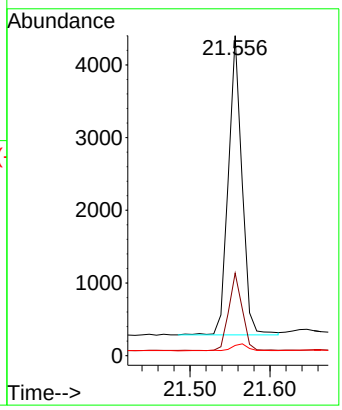


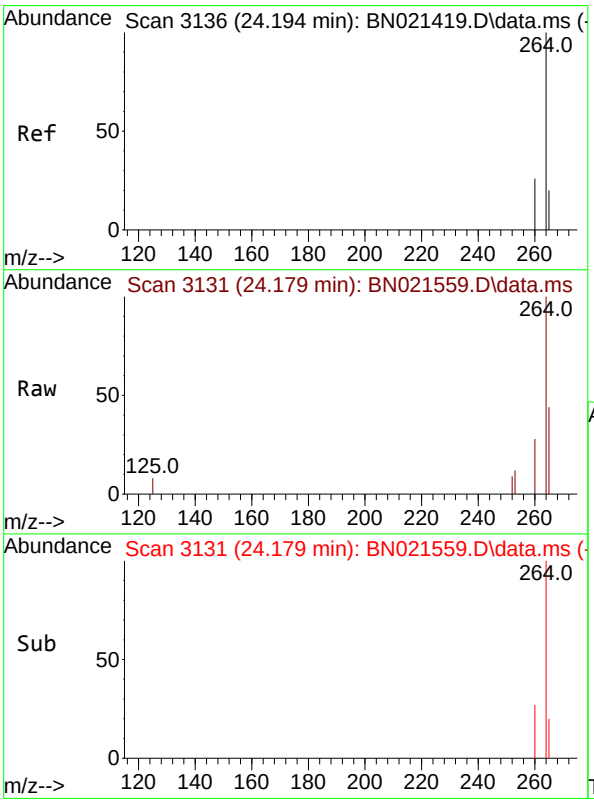
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.410 ng
RT: 21.556 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:149 Resp: 4864

Ion	Ratio	Lower	Upper
149	100		
167	25.5	21.4	32.0
279	2.9	2.2	3.2

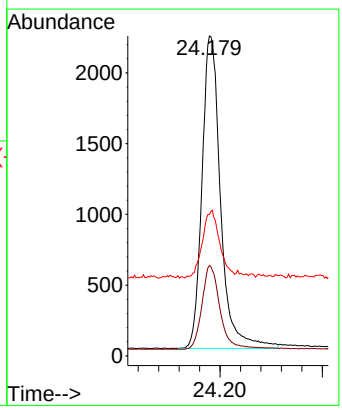


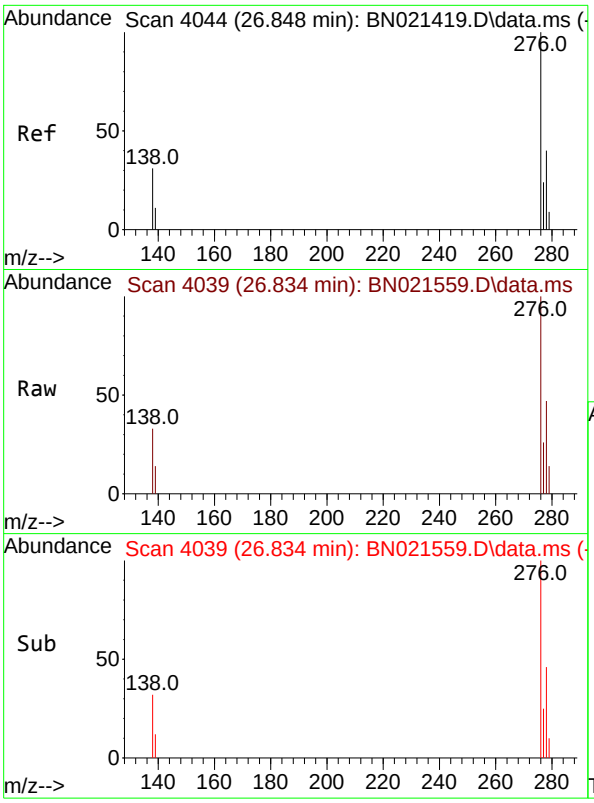


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.179 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:264 Resp: 5582

Ion	Ratio	Lower	Upper
264	100		
260	28.3	21.0	31.6
265	44.2	32.2	48.2



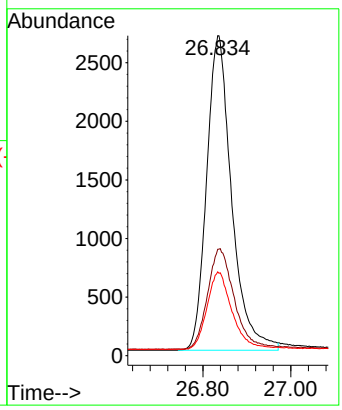


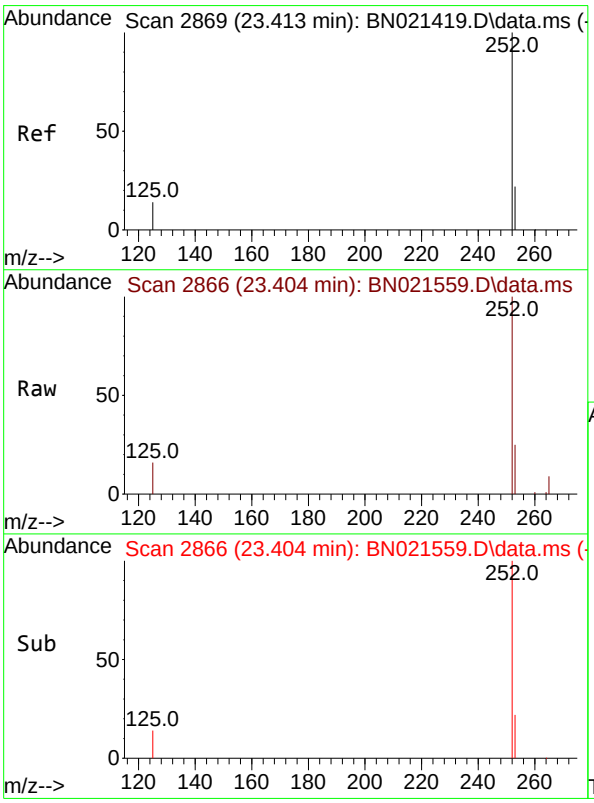
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.420 ng
RT: 26.834 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10588

Ion	Ratio	Lower	Upper
276	100		
138	34.1	27.4	41.2
277	24.8	19.9	29.9

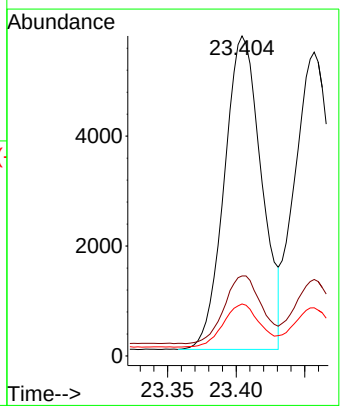


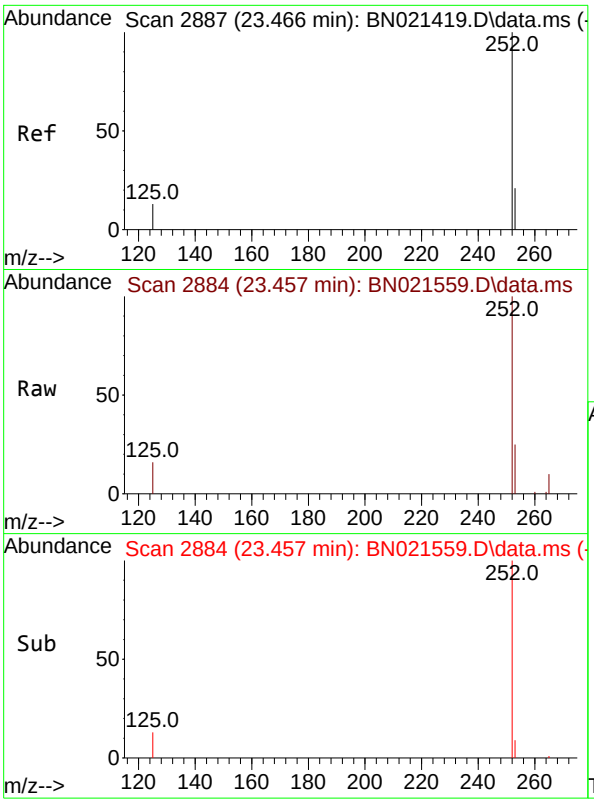


#37
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 23.404 min Scan# 2866
Delta R.T. -0.003 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:252 Resp: 10764

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.8	29.6
125	16.2	13.7	20.5



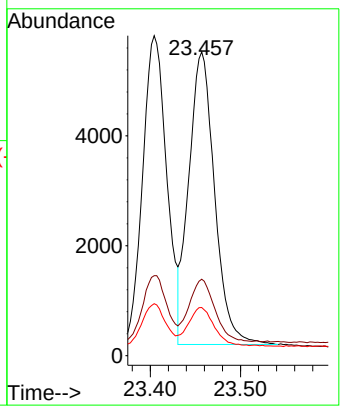


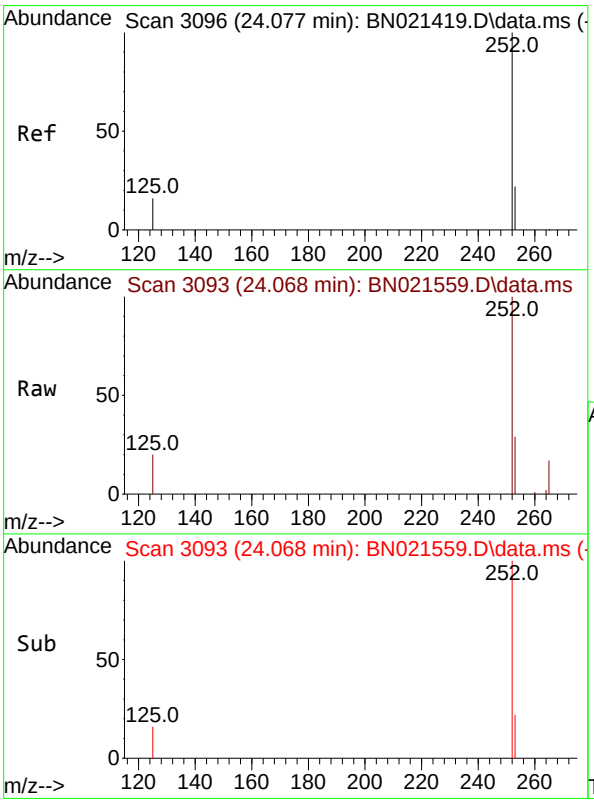
#38
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 23.457 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10583

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.5	29.3
125	15.8	12.3	18.5

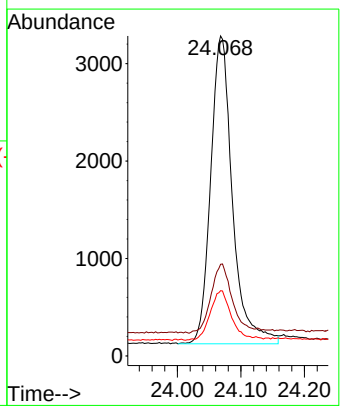


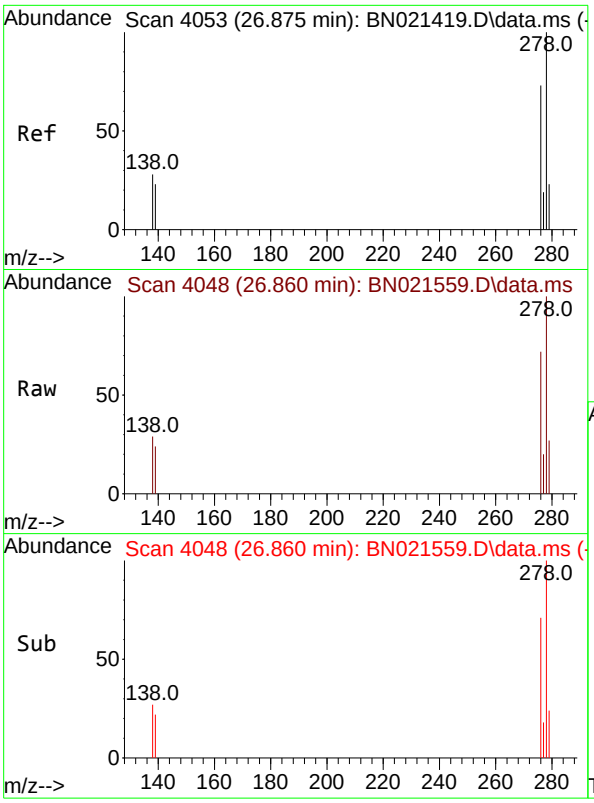


#39
Benzo(a)pyrene
Concen: 0.392 ng
RT: 24.068 min Scan# 3093
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:252 Resp: 7523

Ion	Ratio	Lower	Upper
252	100		
253	28.6	21.1	31.7
125	20.4	16.6	25.0



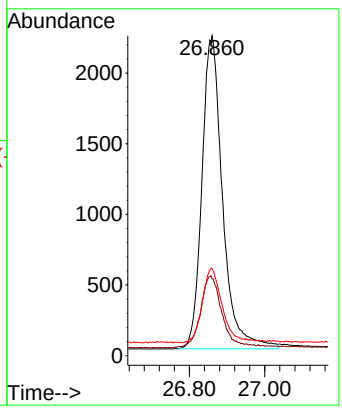


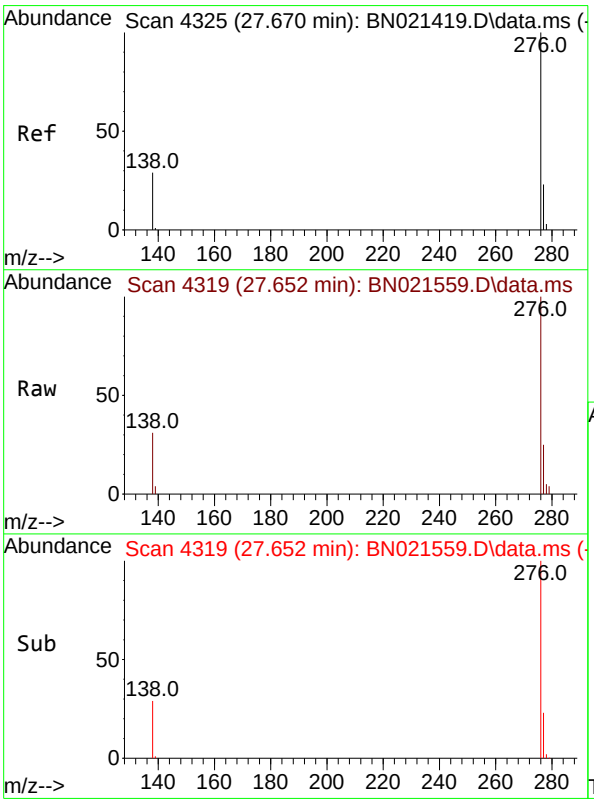
#40
Dibenzo(a,h)anthracene
Concen: 0.416 ng
RT: 26.860 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 8434

Ion	Ratio	Lower	Upper
278	100		
139	24.0	21.8	32.6
279	27.2	20.4	30.6





#41
Benzo(g,h,i)perylene
Concen: 0.436 ng
RT: 27.652 min Scan# 4319
Delta R.T. -0.000 min
Lab File: BN021559.D
Acq: 02 Sep 2022 13:00

Tgt Ion:276 Resp: 9694

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.7	29.5
138	30.6	23.7	35.5