Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090222\
Data File : BN021594.D
Acq On : 03 Sep 2022 13:01
Operator : CG/JU
Sample : PB147398BSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Quant Time: Sep 05 02:39:31 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	5003	0.400	ng		0.00
7) Naphthalene-d8	10.898	136	16555	0.400	ng		0.00
13) Acenaphthene-d10	14.718	164	9654	0.400	ng		0.00
19) Phenanthrene-d10	17.470	188	19976	0.400	ng		0.00
29) Chrysene-d12	21.664	240	13725	0.400	ng		0.00
35) Perylene-d12	24.176	264	10541	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.591	112	4851	0.495	ng		0.00
5) Phenol-d6	7.216	99	6238	0.500	ng		0.00
8) Nitrobenzene-d5	9.232	82	4777	0.427	ng		-0.01
11) 2-Methylnaphthalene-d10	12.482	152	16260	0.436	ng		0.00
14) 2,4,6-Tribromophenol	16.208	330	1348	0.425	ng		-0.01
15) 2-Fluorobiphenyl	13.349	172	16262	0.385	ng		0.00
27) Fluoranthene-d10	19.497	212	19986	0.389	ng		0.00
31) Terphenyl-d14	20.088	244	13435	0.436	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.403	88	2636	0.421	ng	#	88
3) n-Nitrosodimethylamine	3.743	42	2550	0.452	ng	#	94
6) bis(2-Chloroethyl)ether	7.476	93	6606	0.421	ng		97
9) Naphthalene	10.941	128	19568	0.399	ng		99
10) Hexachlorobutadiene	11.229	225	3329	0.392	ng	#	99
12) 2-Methylnaphthalene	12.180	142	3398	0.543	ng	#	94
16) Acenaphthylene	14.440	152	18058	0.398	ng		99
17) Acenaphthene	14.782	154	12710	0.399	ng		99
18) Fluorene	15.765	166	15825	0.402	ng		100
21) 4-Bromophenyl-phenylether	16.649	248	4866	0.389	ng	#	76
22) Hexachlorobenzene	16.772	284	5938	0.389	ng		99
23) Atrazine	16.916	200	3069	0.421	ng		98
24) Pentachlorophenol	17.121	266	1274	0.480	ng		98
25) Phenanthrene	17.511	178	26713	0.387	ng		100
26) Anthracene	17.603	178	21547	0.393	ng		99
28) Fluoranthene	19.527	202	27477	0.384	ng		100
30) Pyrene	19.893	202	30434	0.416	ng		97
32) Benzo(a)anthracene	21.646	228	20264	0.424	ng		99
33) Chrysene	21.700	228	22480	0.395	ng		100
34) Bis(2-ethylhexyl)phtha...	21.556	149	9393	0.488	ng		99
36) Indeno(1,2,3-cd)pyrene	26.822	276	17793	0.374	ng		100
37) Benzo(b)fluoranthene	23.401	252	18875	0.363	ng		99
38) Benzo(k)fluoranthene	23.451	252	18839	0.360	ng		100
39) Benzo(a)pyrene	24.062	252	15126	0.417	ng		99
40) Dibenzo(a,h)anthracene	26.845	278	14122	0.369	ng		97
41) Benzo(g,h,i)perylene	27.635	276	14584	0.347	ng		99

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

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Instrument :
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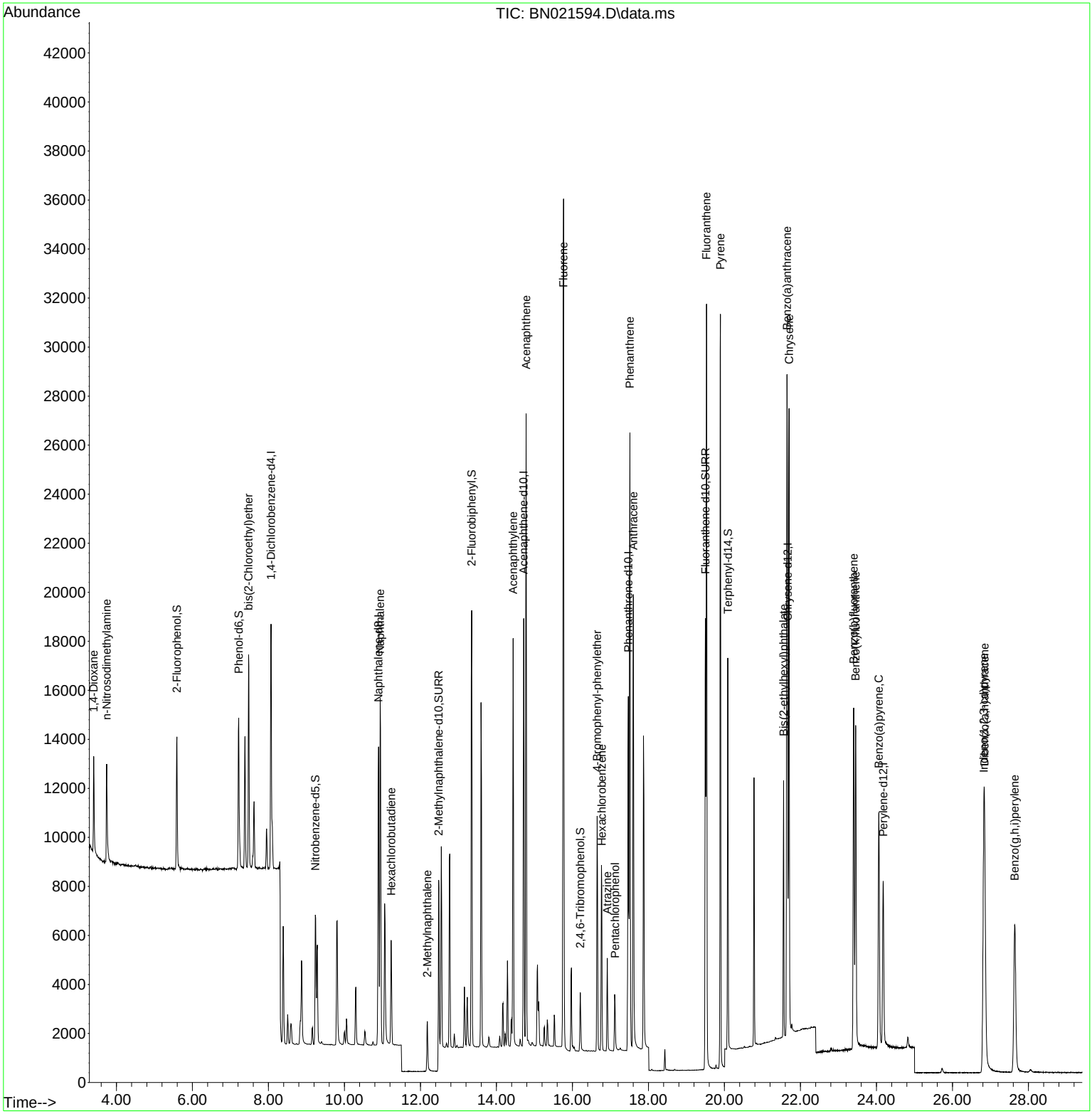
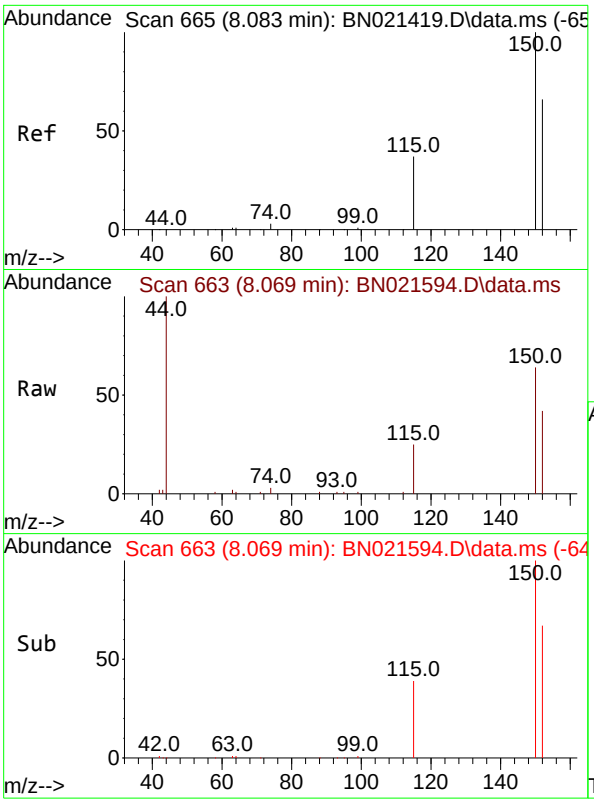
Quant Time: Sep 05 02:39:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 00:53:31 2022
Response via : Initial Calibration



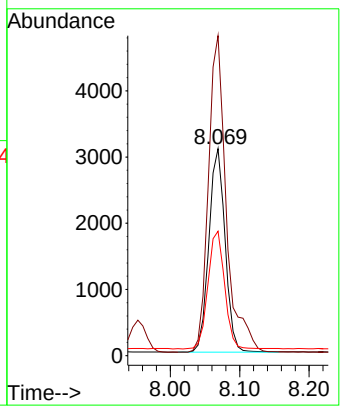


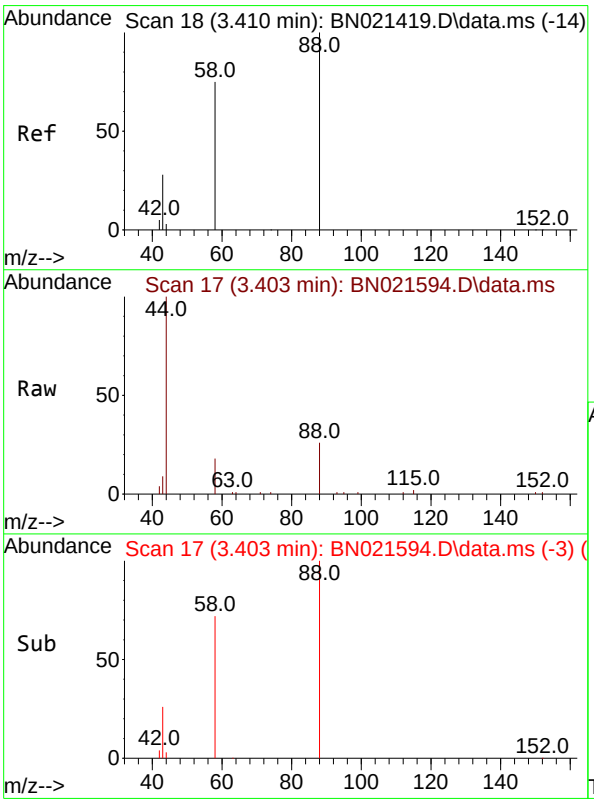
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.069 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:152 Resp: 5003

Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.4	182.0
115	60.1	48.6	72.8

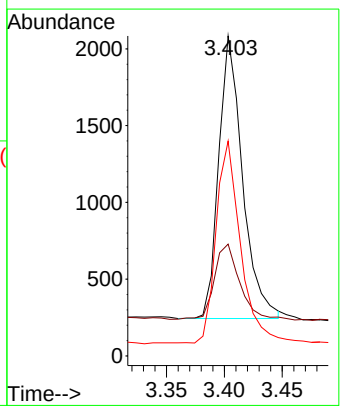


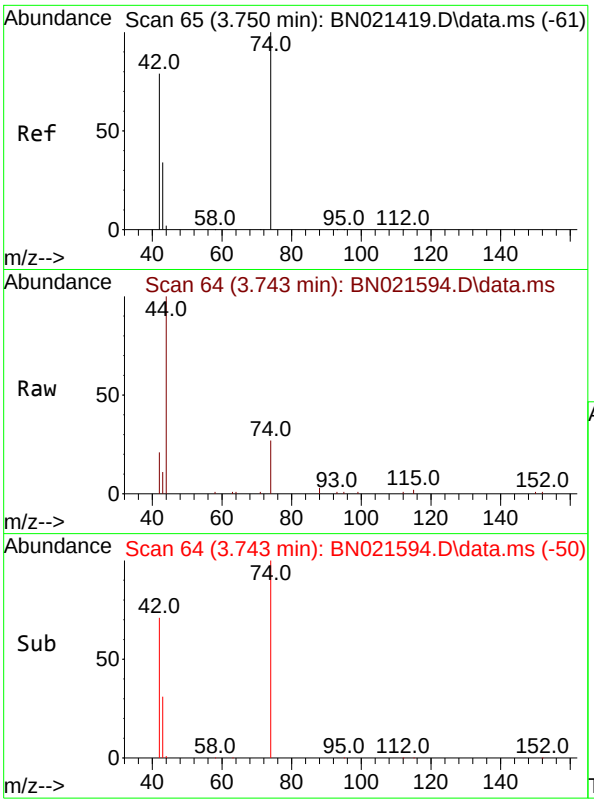


#2
1,4-Dioxane
Concen: 0.421 ng
RT: 3.403 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion: 88 Resp: 2636

Ion	Ratio	Lower	Upper
88	100		
43	27.8	35.8	53.8#
58	74.1	57.1	85.7



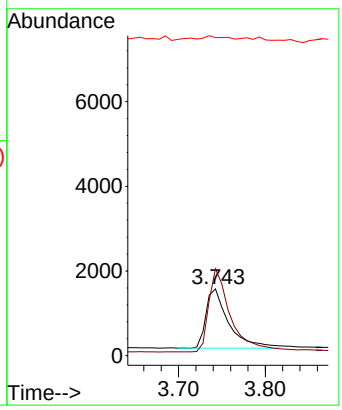


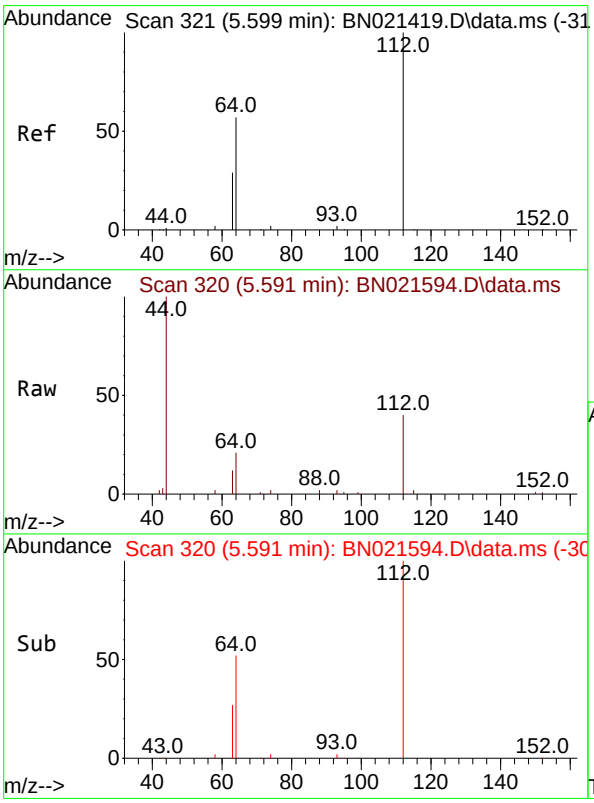
#3
n-Nitrosodimethylamine
Concen: 0.452 ng
RT: 3.743 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion: 42 Resp: 2550

Ion	Ratio	Lower	Upper
42	100		
74	134.8	113.0	169.6
44	5.8	10.5	15.7#

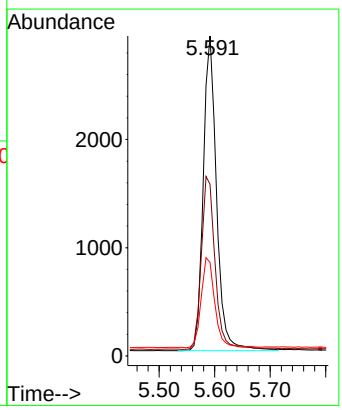


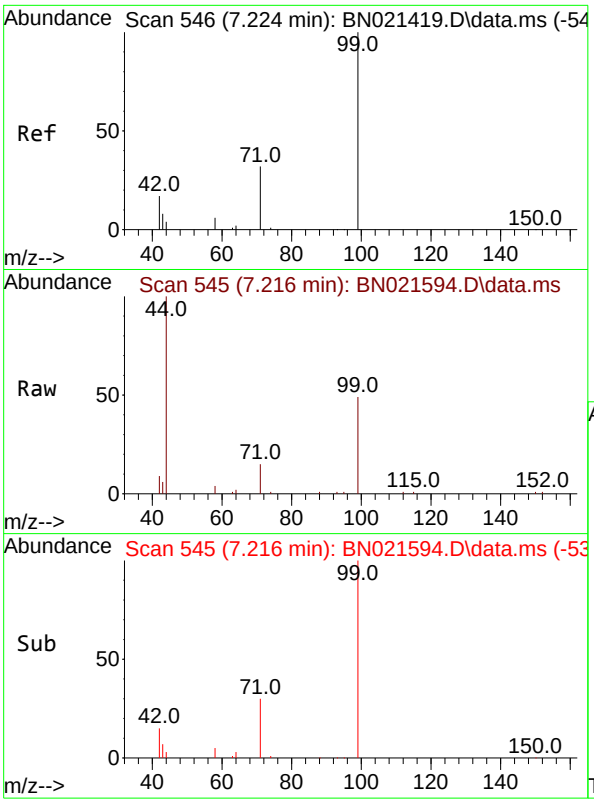


#4
2-Fluorophenol
Concen: 0.495 ng
RT: 5.591 min Scan# 320
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:112 Resp: 4851

Ion	Ratio	Lower	Upper
112	100		
64	57.2	43.5	65.3
63	29.6	22.6	34.0



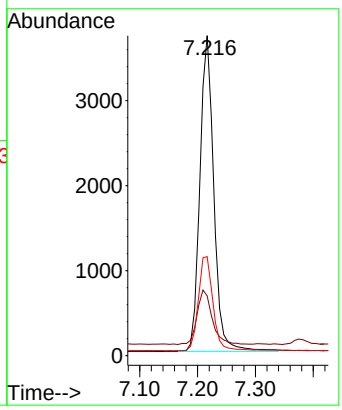


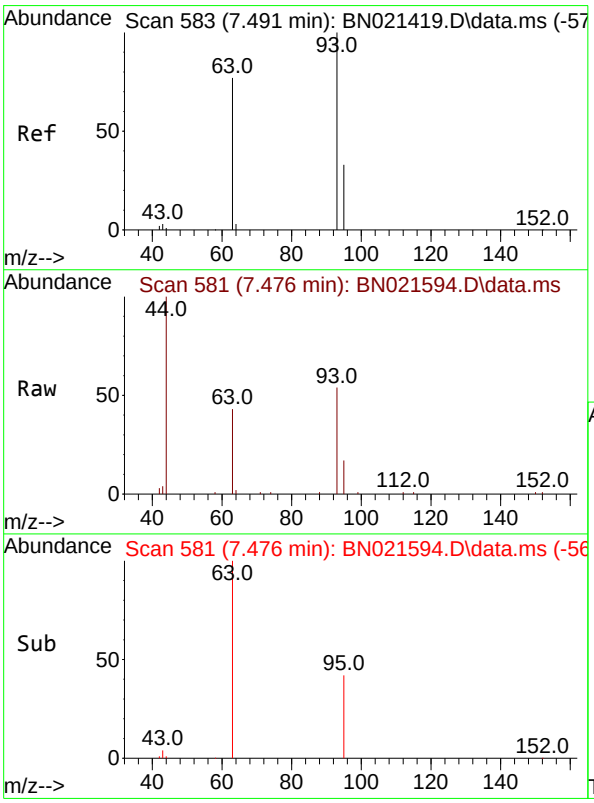
#5
Phenol-d6
Concen: 0.500 ng
RT: 7.216 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion: 99 Resp: 6238

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.5	23.3
71	31.5	24.2	36.2

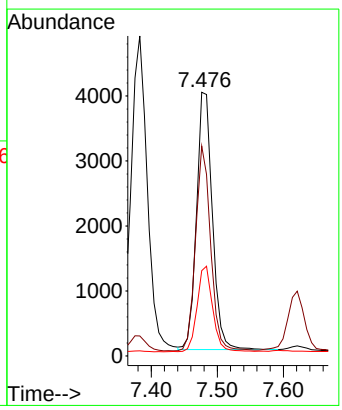


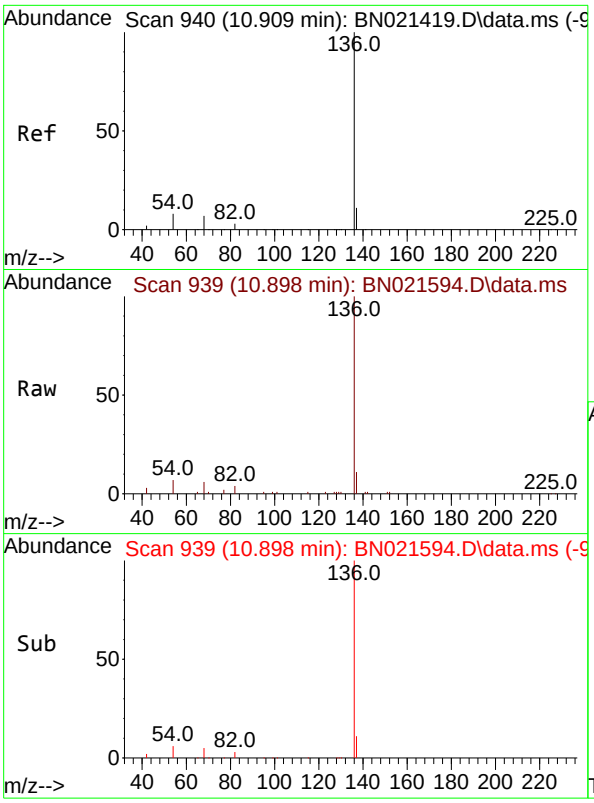


#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 7.476 min Scan# 581
Delta R.T. -0.007 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion: 93 Resp: 6606

Ion	Ratio	Lower	Upper
93	100		
63	75.7	57.8	86.8
95	32.8	25.9	38.9



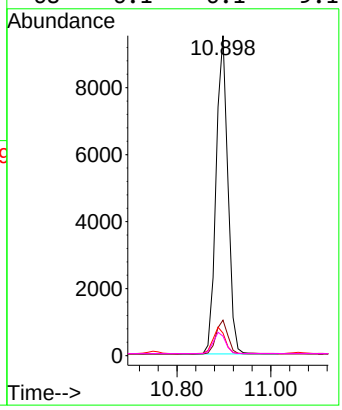


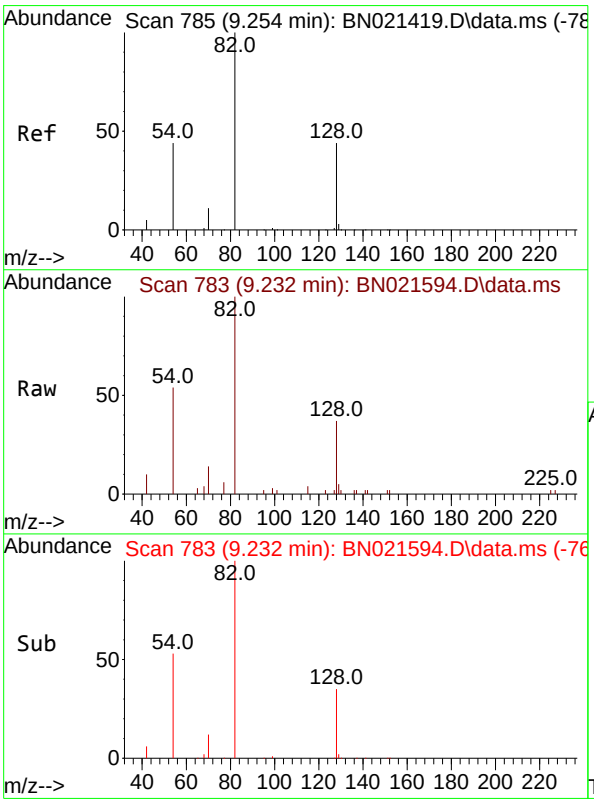
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.898 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:136 Resp: 16555

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.0	6.9	10.3
68	6.1	6.1	9.1

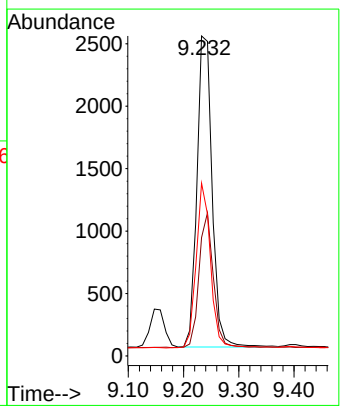


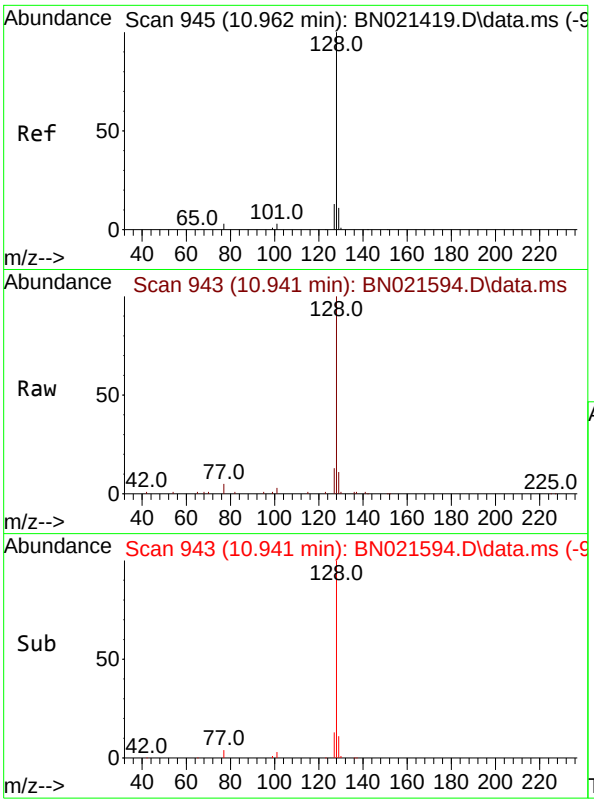


#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 9.232 min Scan# 783
Delta R.T. -0.011 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion: 82 Resp: 4777

Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.9	46.3
54	54.0	42.7	64.1



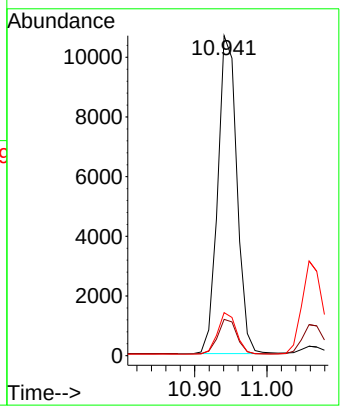


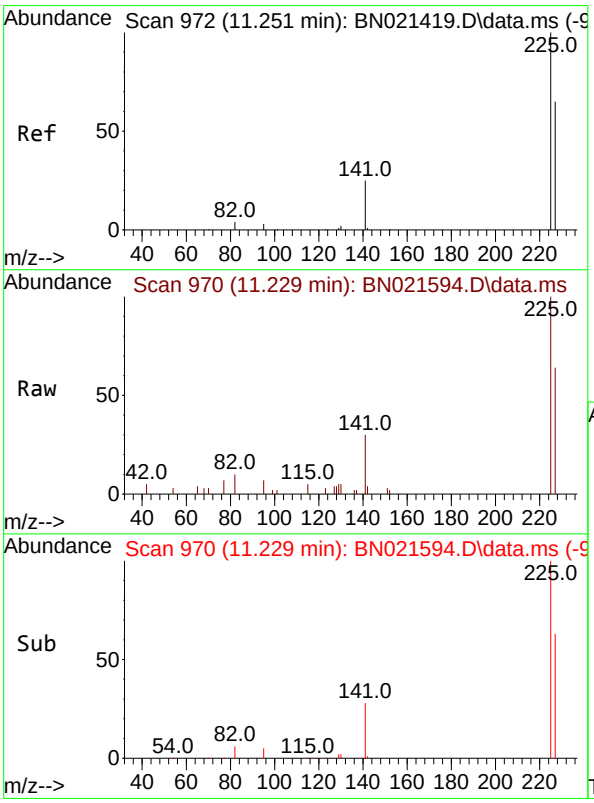
#9
Naphthalene
Concen: 0.399 ng
RT: 10.941 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:128 Resp: 19568

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.5	11.0	16.4

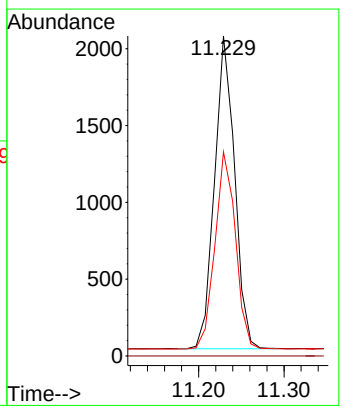


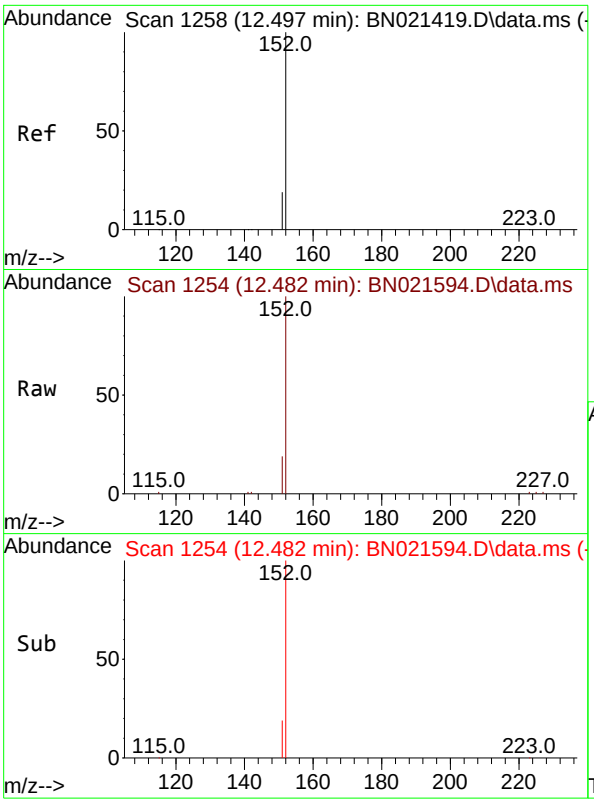


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 11.229 min Scan# 970
Delta R.T. -0.011 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:225 Resp: 3329

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.2	76.8



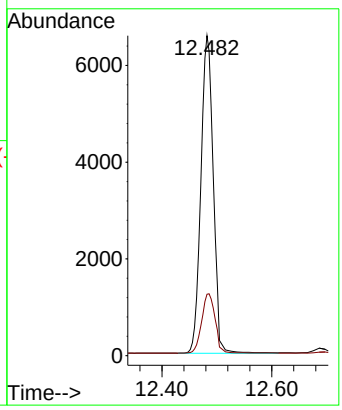


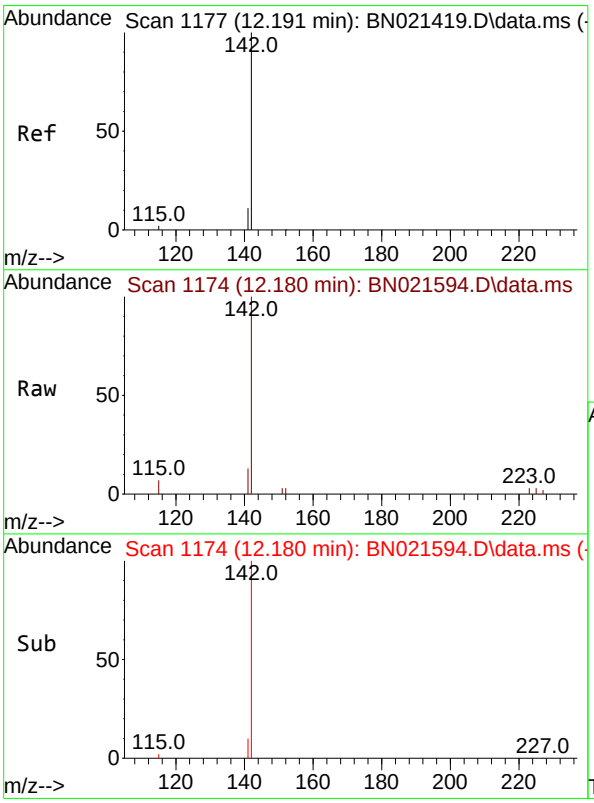
#11
2-Methylnaphthalene-d10
Concen: 0.436 ng
RT: 12.482 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:152 Resp: 16260

Ion	Ratio	Lower	Upper
152	100		
151	20.3	14.5	21.7

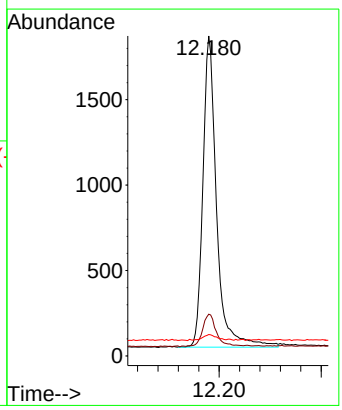


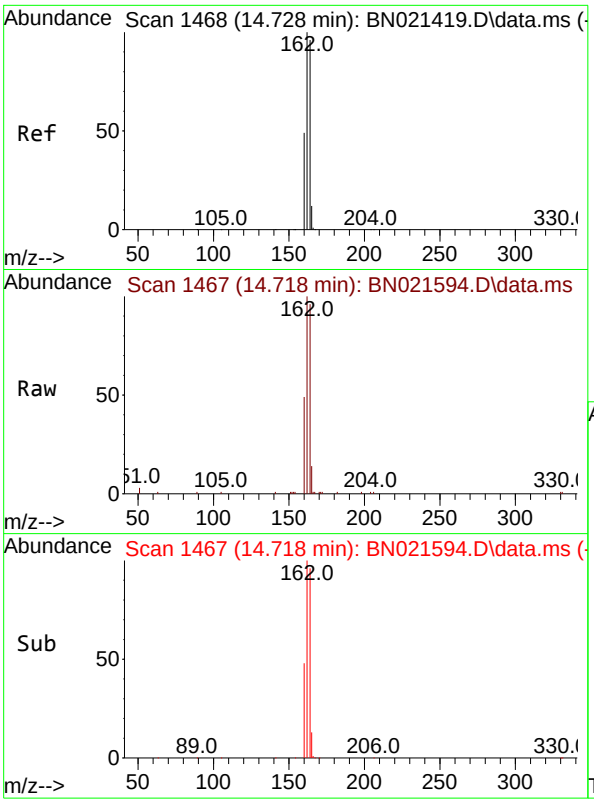


#12
2-Methylnaphthalene
Concen: 0.543 ng
RT: 12.180 min Scan# 1174
Delta R.T. -0.004 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:142 Resp: 3398

Ion	Ratio	Lower	Upper
142	100		
141	13.1	12.2	18.2
115	6.7	7.9	11.9#



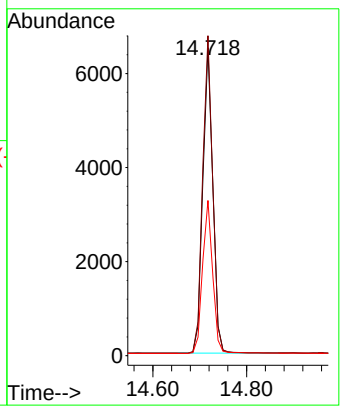


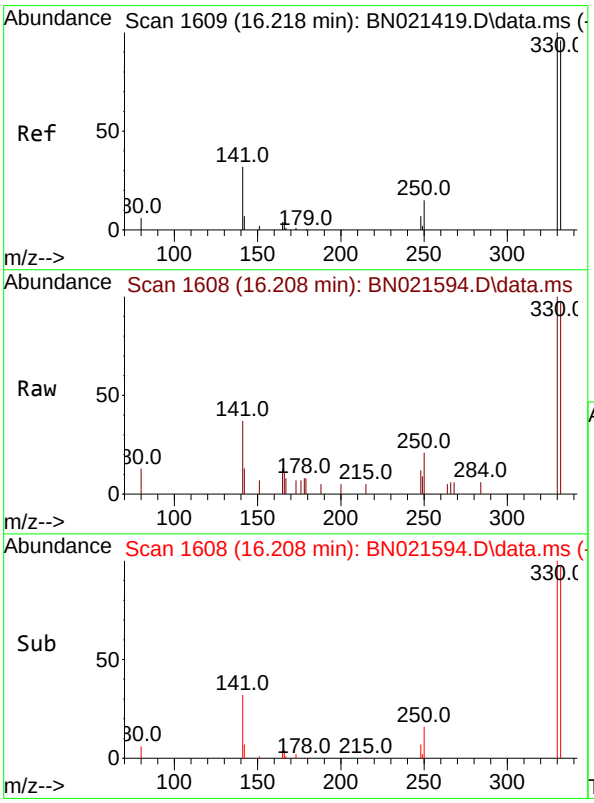
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.718 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:164 Resp: 9654

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.4
160	50.4	39.5	59.3

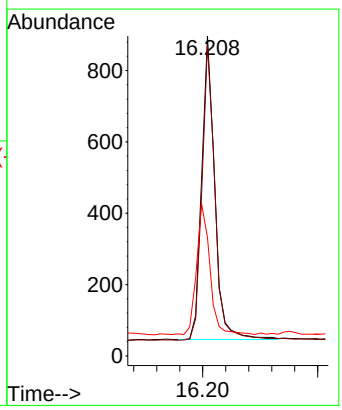


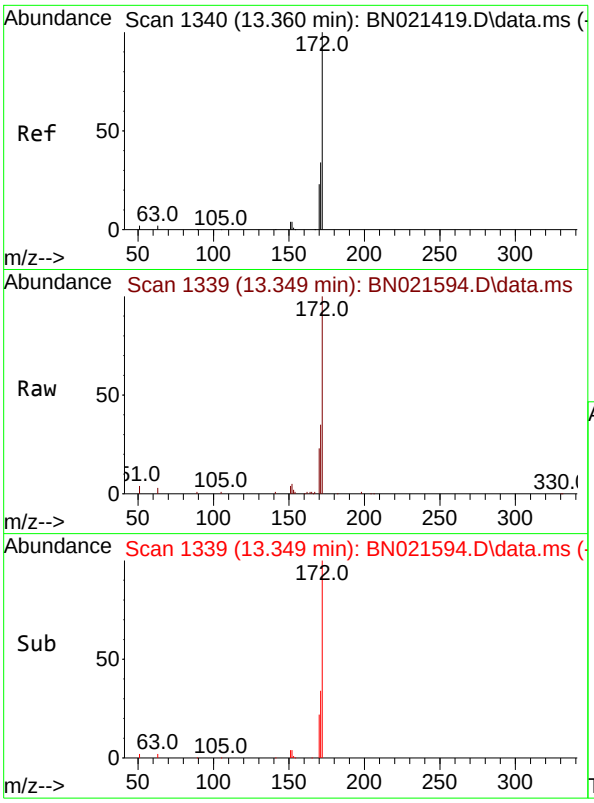


#14
2,4,6-Tribromophenol
Concen: 0.425 ng
RT: 16.208 min Scan# 1608
Delta R.T. -0.010 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:330 Resp: 1348

Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.3	118.9
141	43.7	37.1	55.7



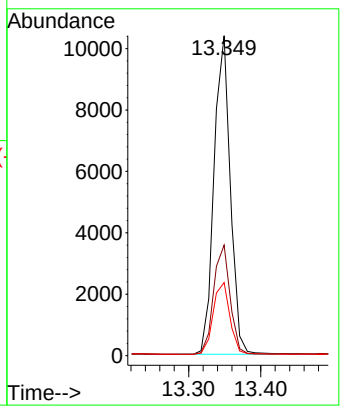


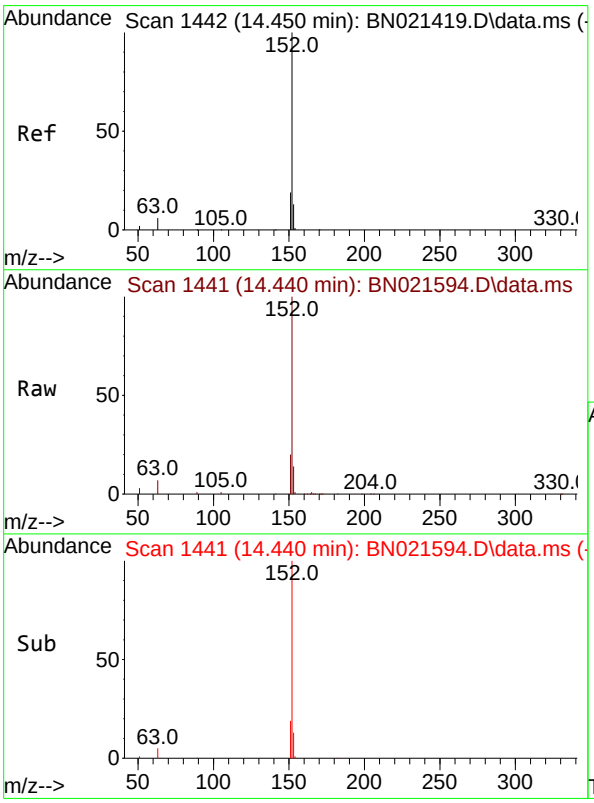
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 13.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:172 Resp: 16262

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	22.8	18.6	28.0

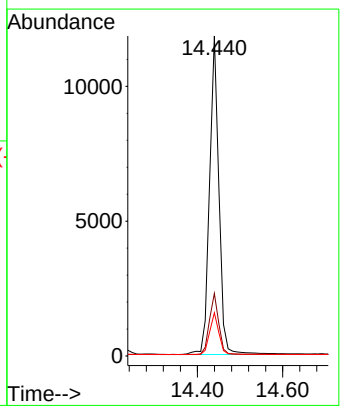


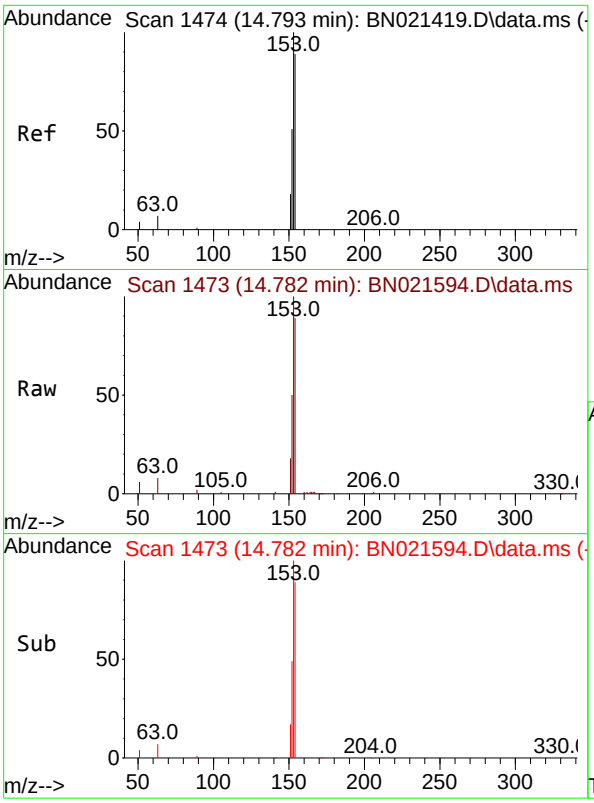


#16
Acenaphthylene
Concen: 0.398 ng
RT: 14.440 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:152 Resp: 18058

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.2
153	13.1	10.3	15.5



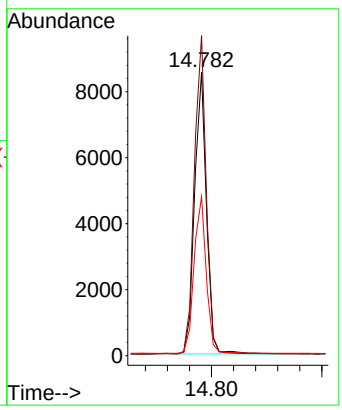


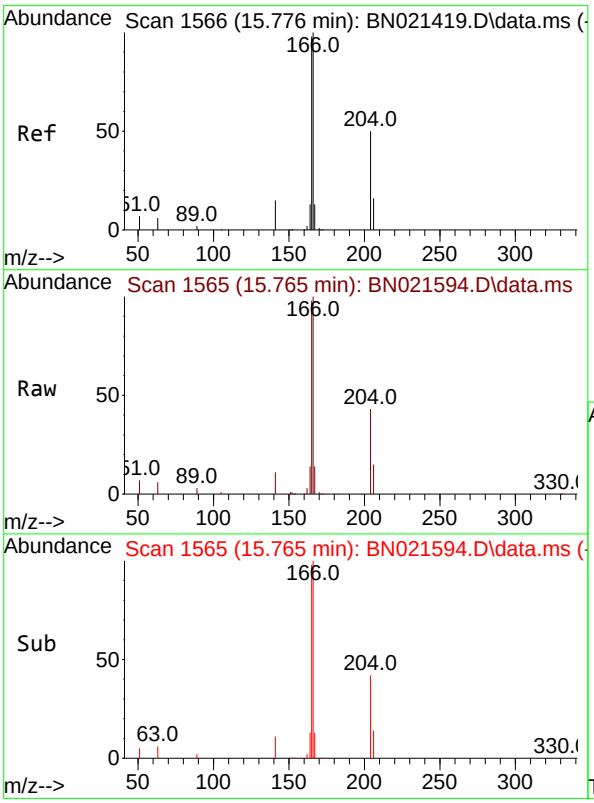
#17
Acenaphthene
Concen: 0.399 ng
RT: 14.782 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:154 Resp: 12710

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.5	134.3
152	57.2	45.5	68.3

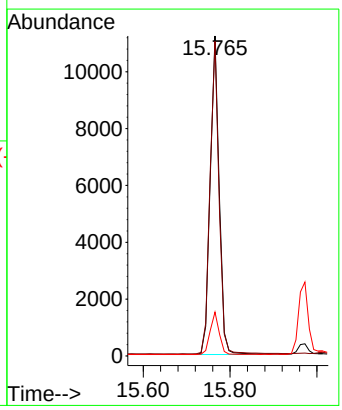


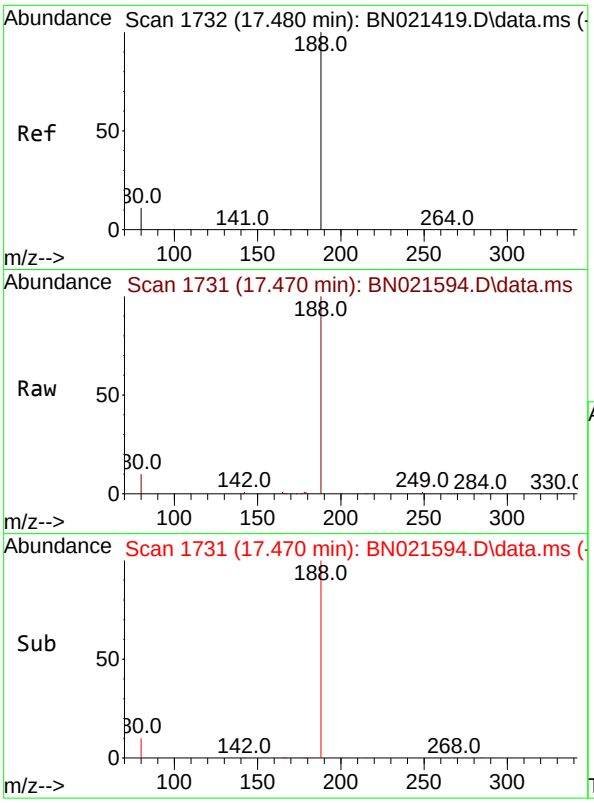


#18
Fluorene
Concen: 0.402 ng
RT: 15.765 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:166 Resp: 15825

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.7	118.1
167	13.4	10.6	16.0



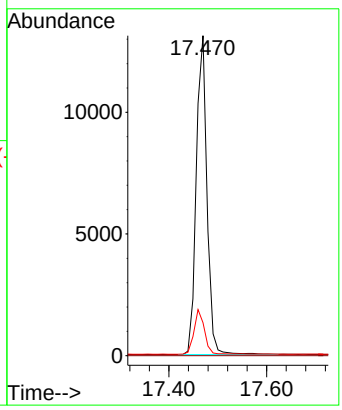


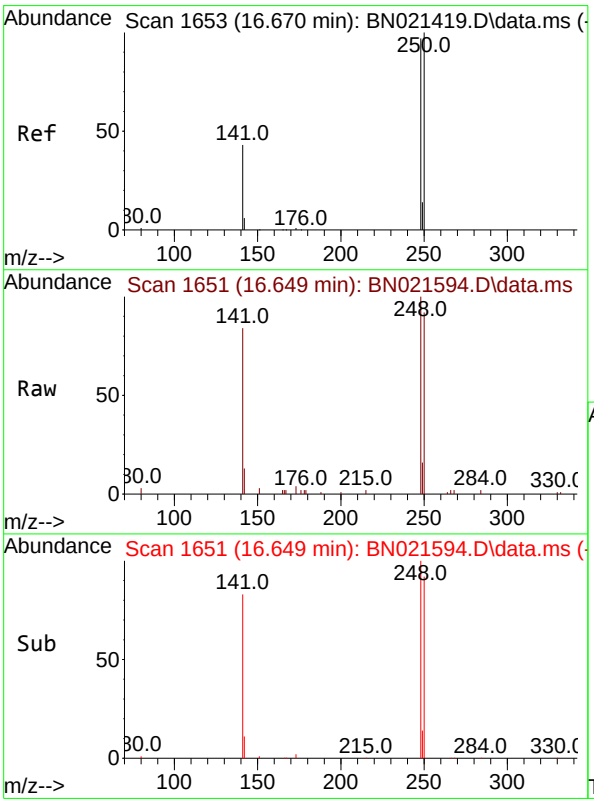
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:188 Resp: 19976

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	9.5	14.3

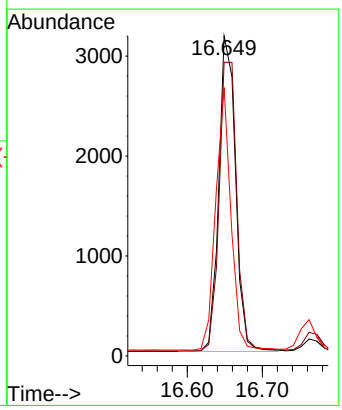


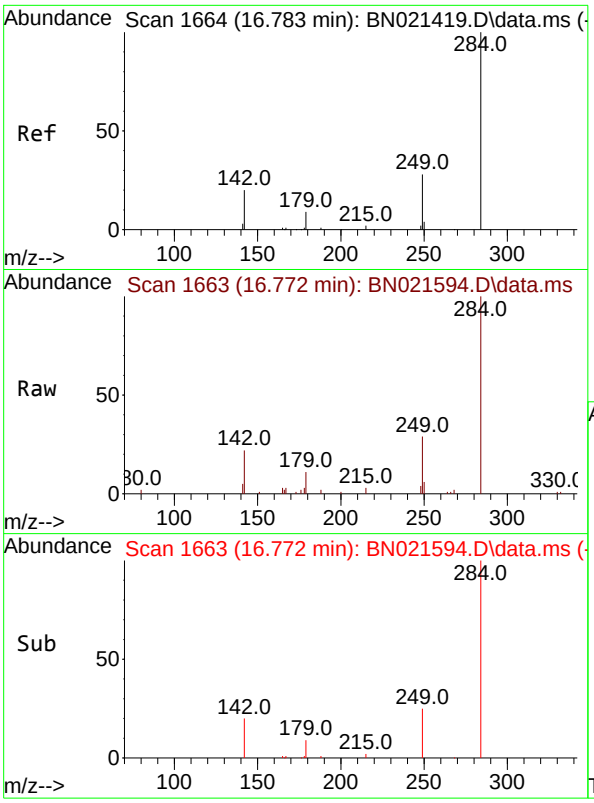


#21
4-Bromophenyl-phenylether
Concen: 0.389 ng
RT: 16.649 min Scan# 1651
Delta R.T. -0.010 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:248 Resp: 4866

Ion	Ratio	Lower	Upper
248	100		
250	91.8	81.8	122.6
141	83.9	38.5	57.7#



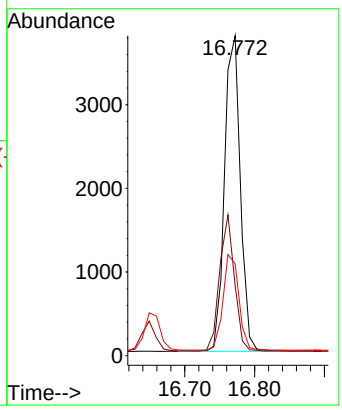


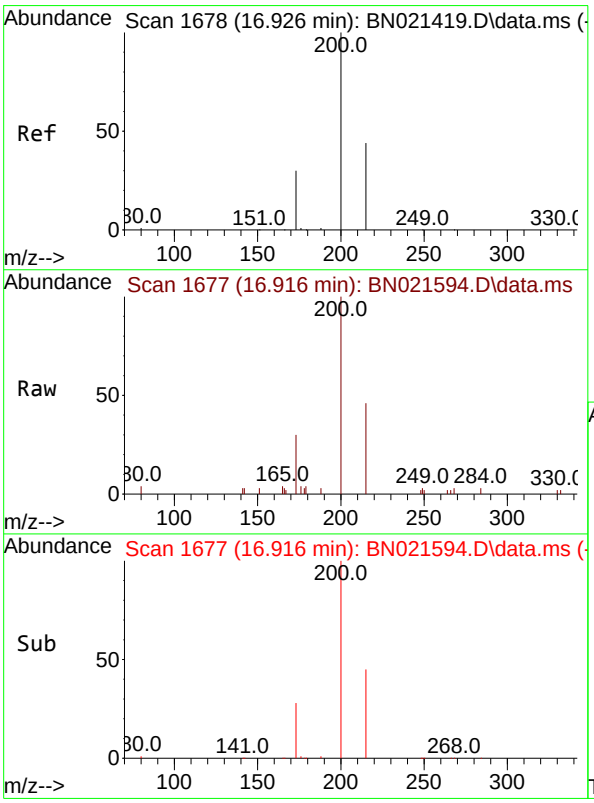
#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.772 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:284 Resp: 5938

Ion	Ratio	Lower	Upper
284	100		
142	40.3	32.3	48.5
249	30.2	25.4	38.2

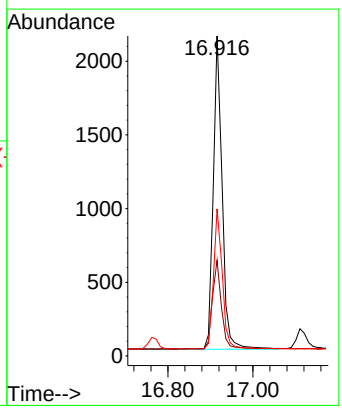


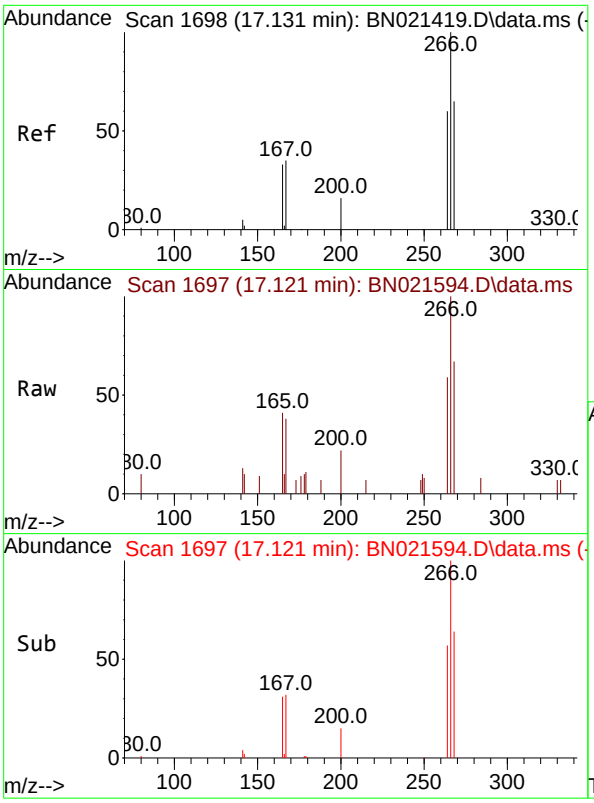


#23
Atrazine
Concen: 0.421 ng
RT: 16.916 min Scan# 1677
Delta R.T. -0.010 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:200 Resp: 3069

Ion	Ratio	Lower	Upper
200	100		
173	29.9	24.3	36.5
215	46.0	38.4	57.6



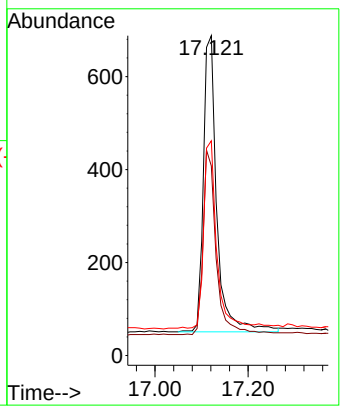


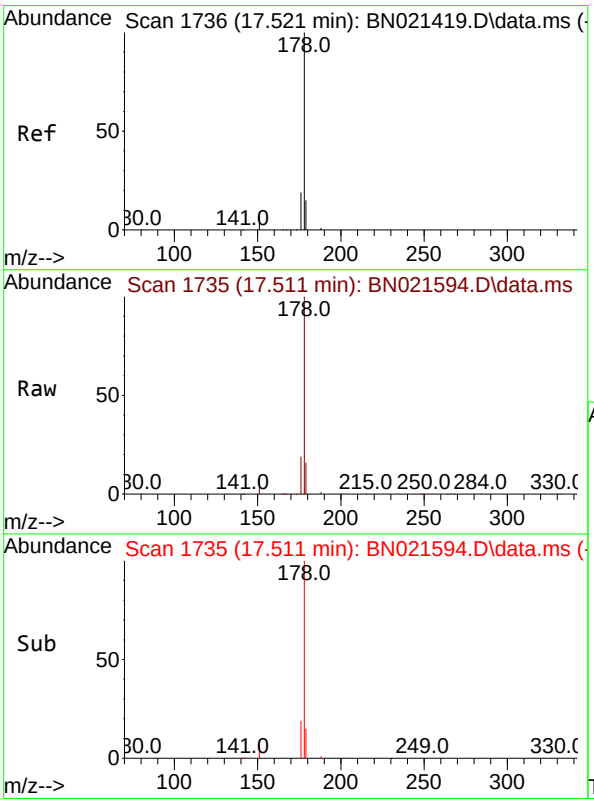
#24
Pentachlorophenol
Concen: 0.480 ng
RT: 17.121 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:266 Resp: 1274

Ion	Ratio	Lower	Upper
266	100		
264	61.0	49.0	73.6
268	60.3	50.9	76.3

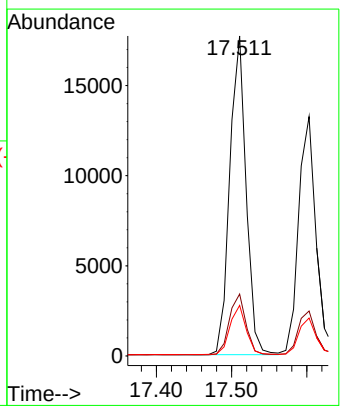


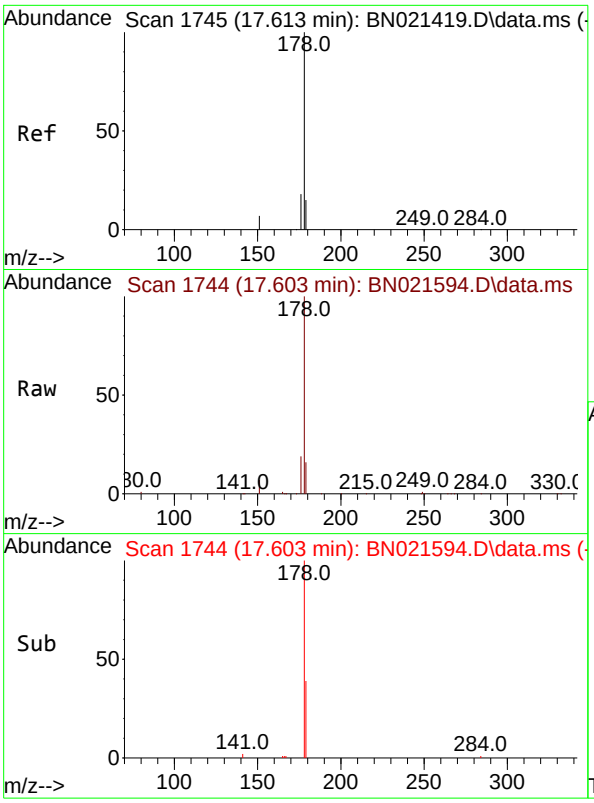


#25
Phenanthrene
Concen: 0.387 ng
RT: 17.511 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:178 Resp: 26713

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.2	18.4



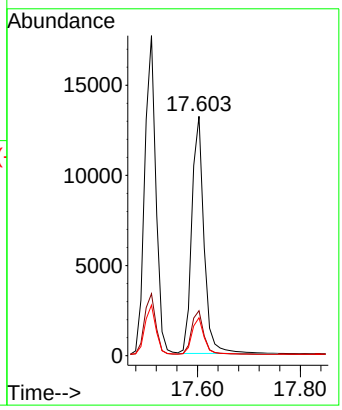


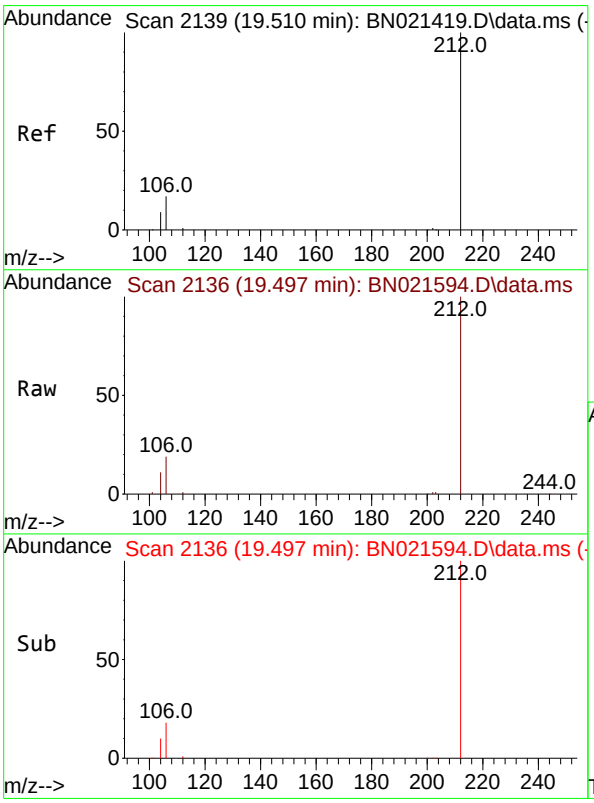
#26
Anthracene
Concen: 0.393 ng
RT: 17.603 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:178 Resp: 21547

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.1	12.2	18.2

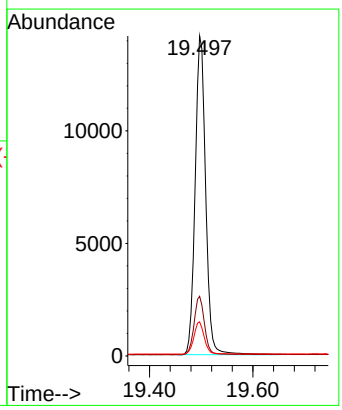


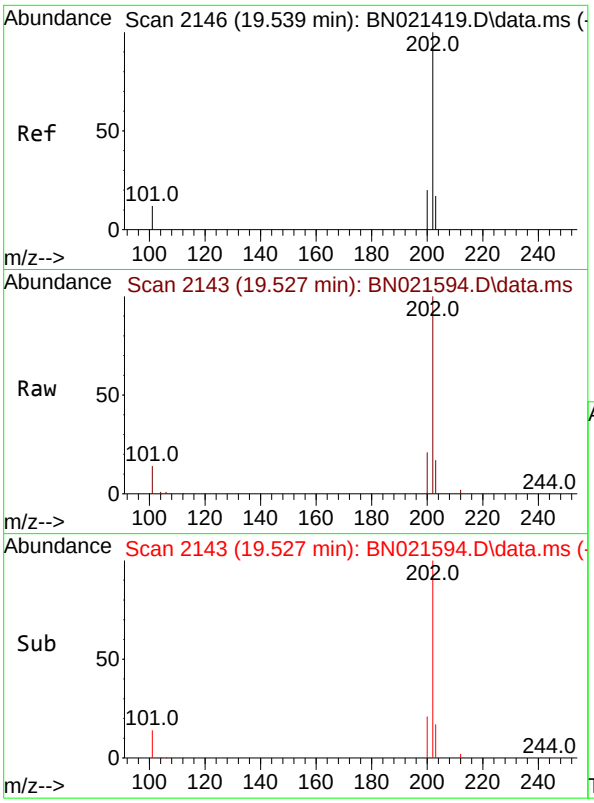


#27
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.497 min Scan# 2136
Delta R.T. -0.004 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:212 Resp: 19986

Ion	Ratio	Lower	Upper
212	100		
106	18.1	14.2	21.2
104	10.0	7.8	11.6



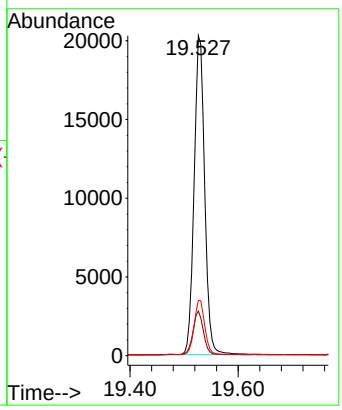


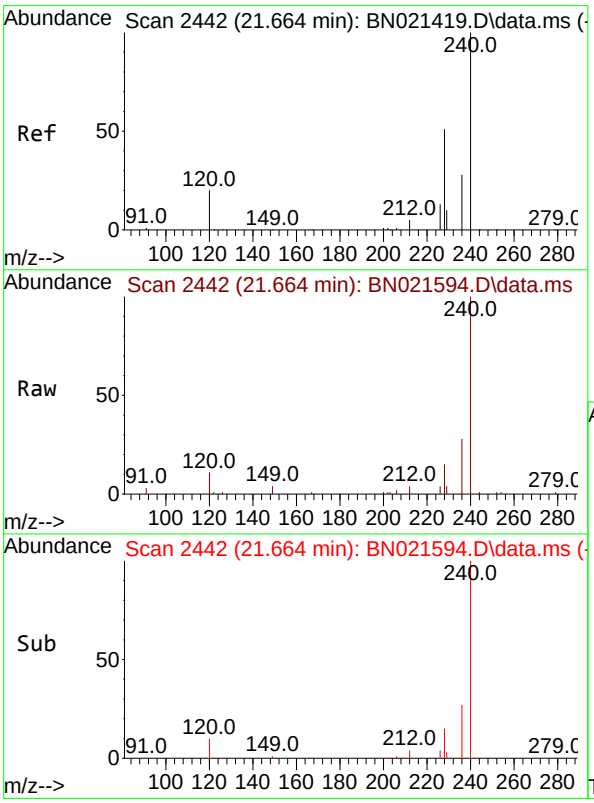
#28
Fluoranthene
Concen: 0.384 ng
RT: 19.527 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:202 Resp: 27477

Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.9	16.3
203	17.2	13.8	20.6

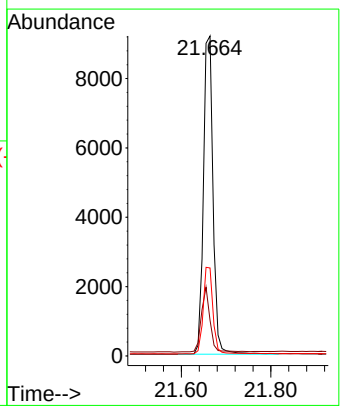


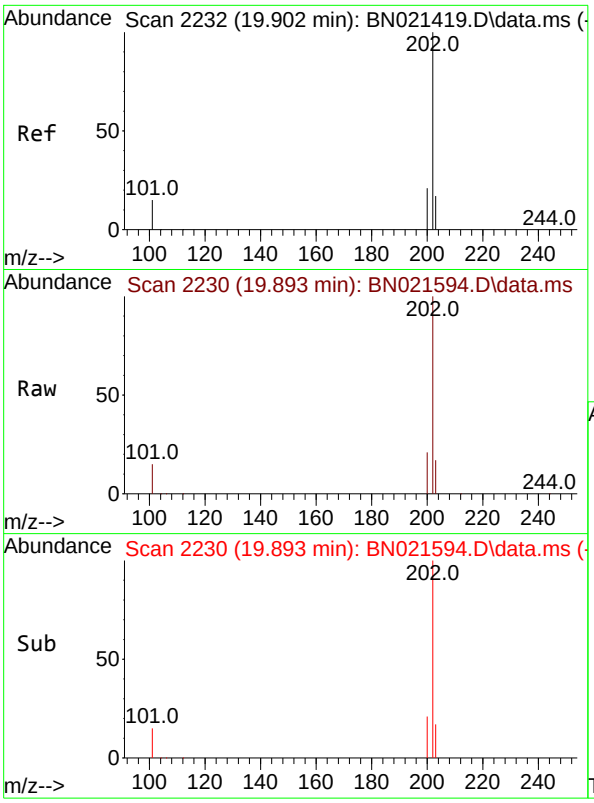


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.664 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:240 Resp: 13725

Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.2	15.4
236	27.5	22.1	33.1



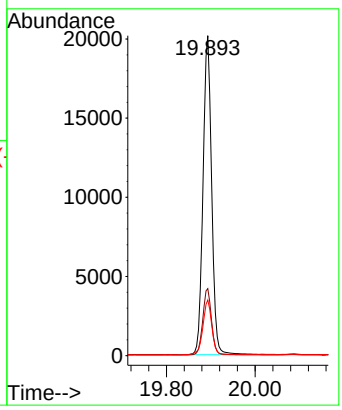


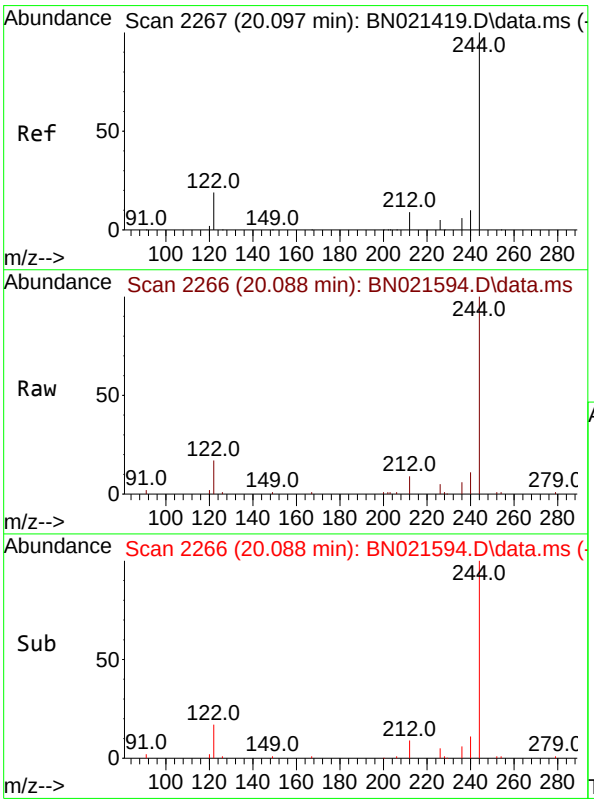
#30
Pyrene
Concen: 0.416 ng
RT: 19.893 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:202 Resp: 30434

Ion	Ratio	Lower	Upper
202	100		
200	18.8	13.9	20.9
203	15.8	11.9	17.9

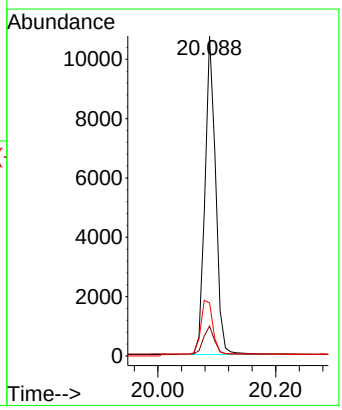


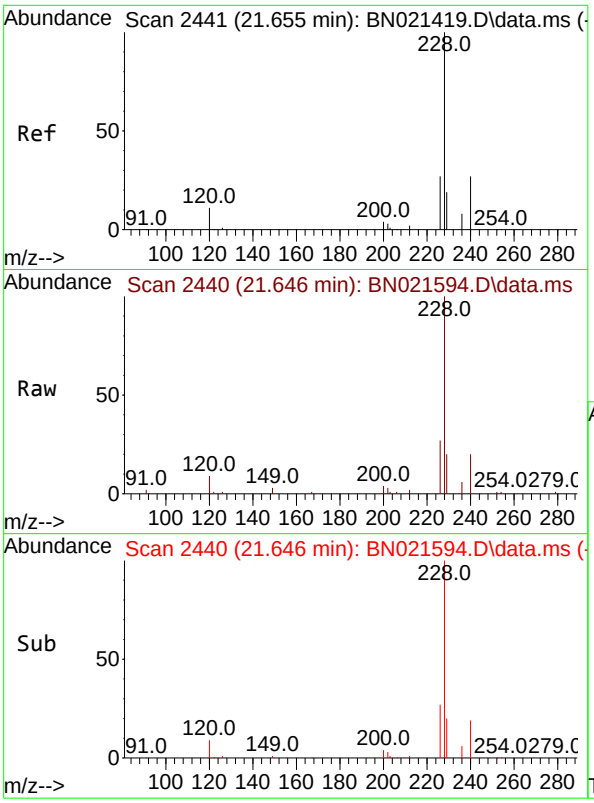


#31
Terphenyl-d14
Concen: 0.436 ng
RT: 20.088 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:244 Resp: 13435

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.5	9.7
122	16.5	9.1	13.7#



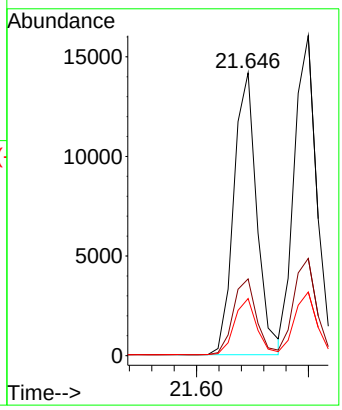


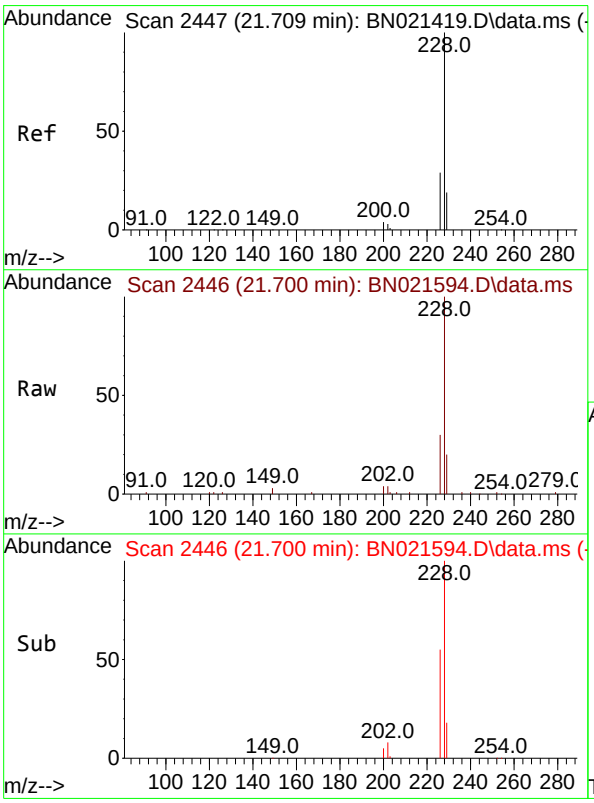
#32
Benzo(a)anthracene
Concen: 0.424 ng
RT: 21.646 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:228 Resp: 20264

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	20.2	15.9	23.9

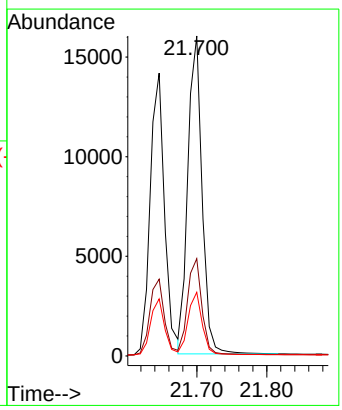


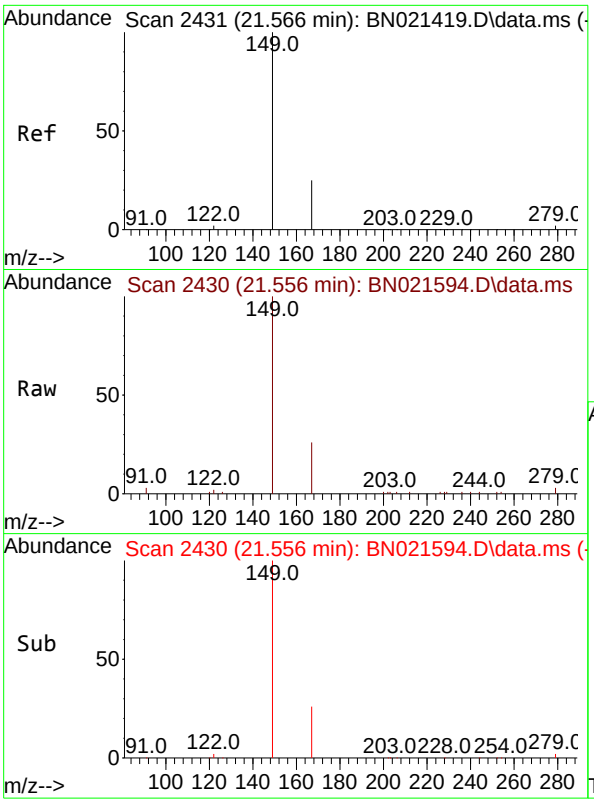


#33
Chrysene
Concen: 0.395 ng
RT: 21.700 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:228 Resp: 22480

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	19.9	15.9	23.9



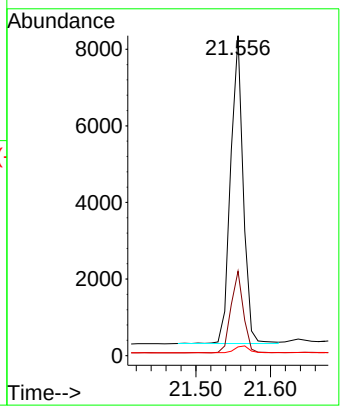


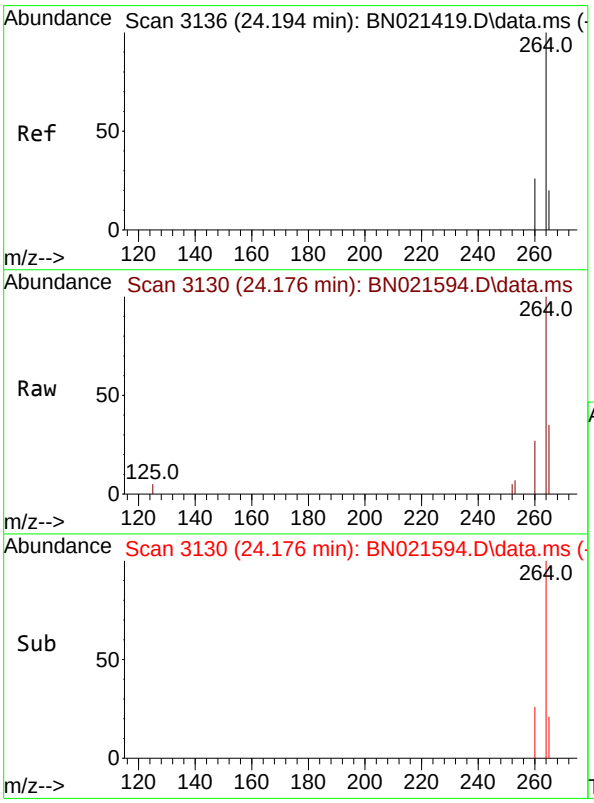
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.488 ng
RT: 21.556 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:149 Resp: 9393

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.4	32.0
279	2.6	2.2	3.2

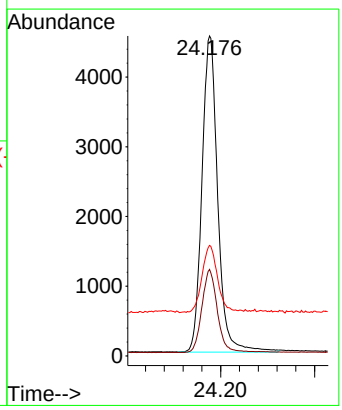


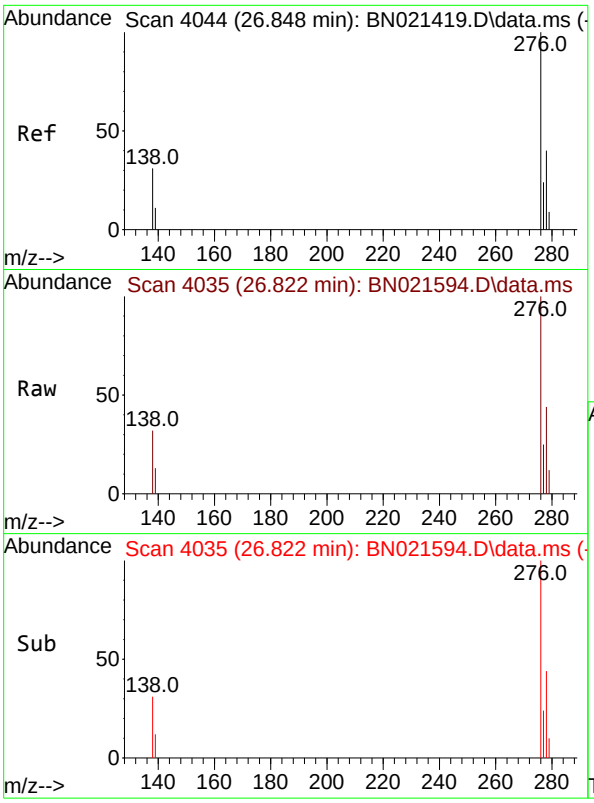


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.176 min Scan# 3130
Delta R.T. -0.009 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:264 Resp: 10541

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.0	31.6
265	34.5	32.2	48.2



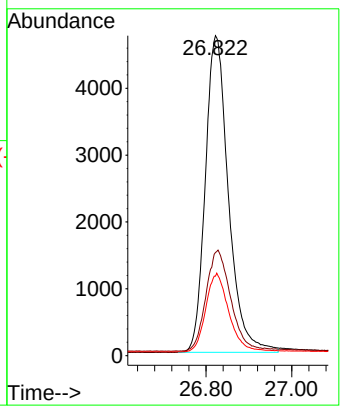


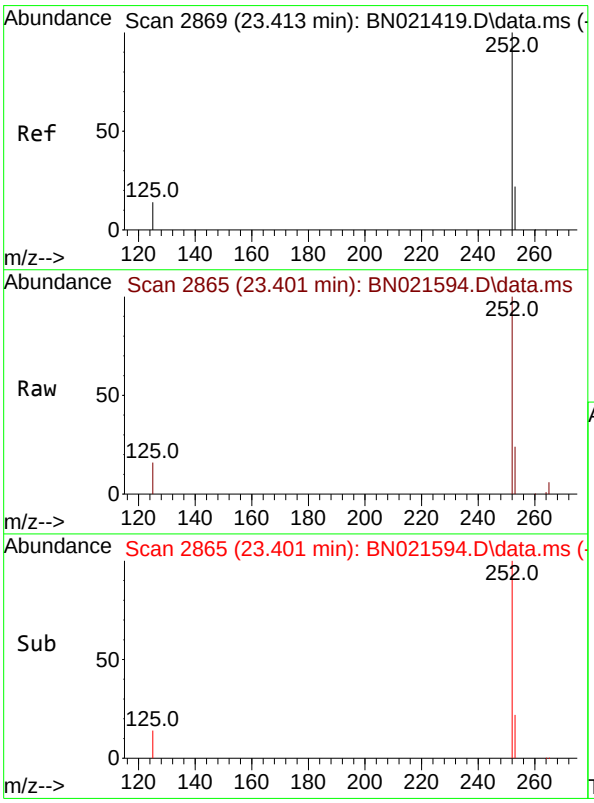
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 26.822 min Scan# 4
Delta R.T. -0.018 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:276 Resp: 17793

Ion	Ratio	Lower	Upper
276	100		
138	33.9	27.4	41.2
277	24.9	19.9	29.9

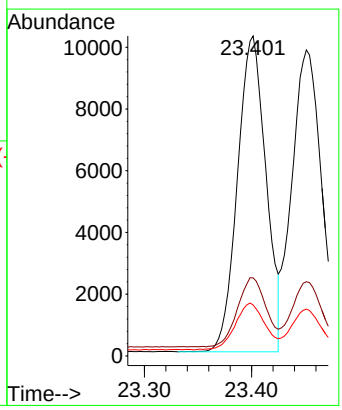


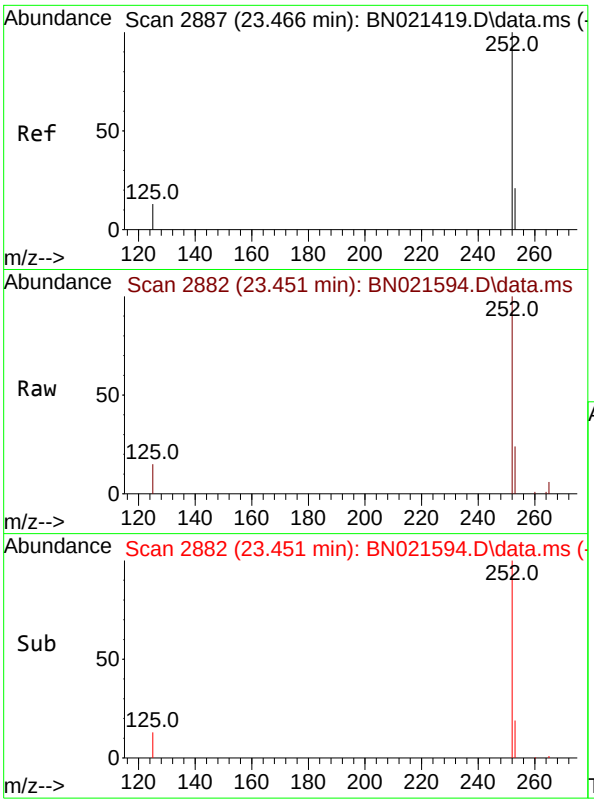


#37
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.401 min Scan# 2865
Delta R.T. -0.006 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:252 Resp: 18875

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.8	29.6
125	15.9	13.7	20.5



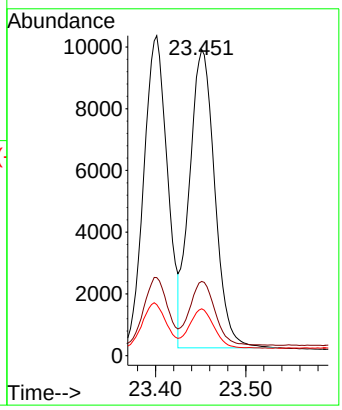


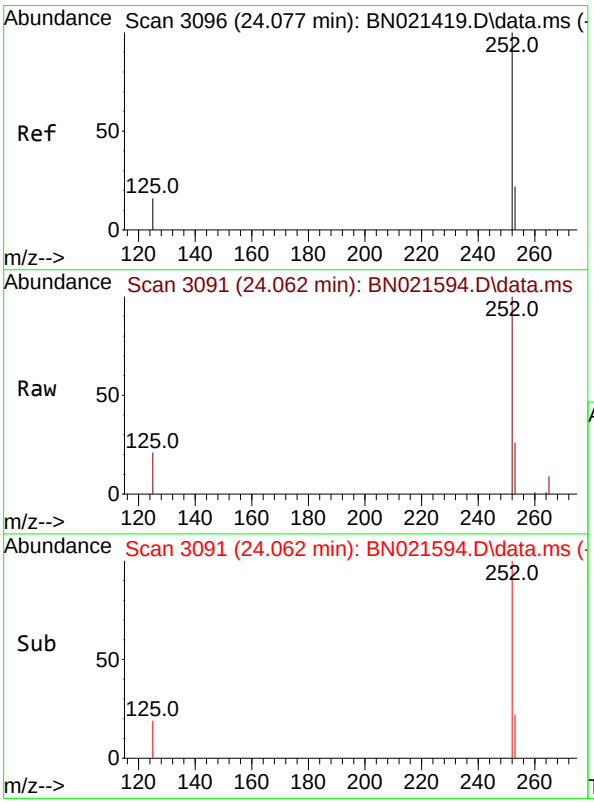
#38
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 23.451 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:252 Resp: 18839

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.5	29.3
125	15.3	12.3	18.5

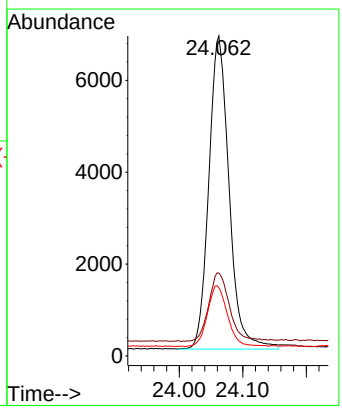


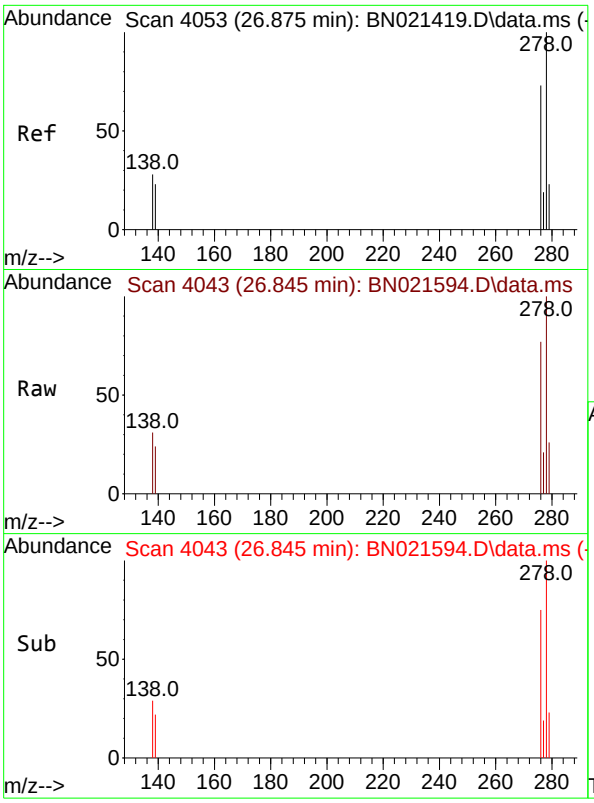


#39
Benzo(a)pyrene
Concen: 0.417 ng
RT: 24.062 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:252 Resp: 15126

Ion	Ratio	Lower	Upper
252	100		
253	26.0	21.1	31.7
125	21.3	16.6	25.0



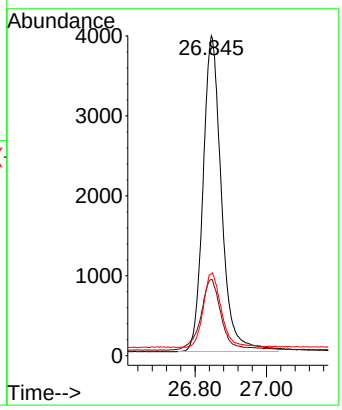


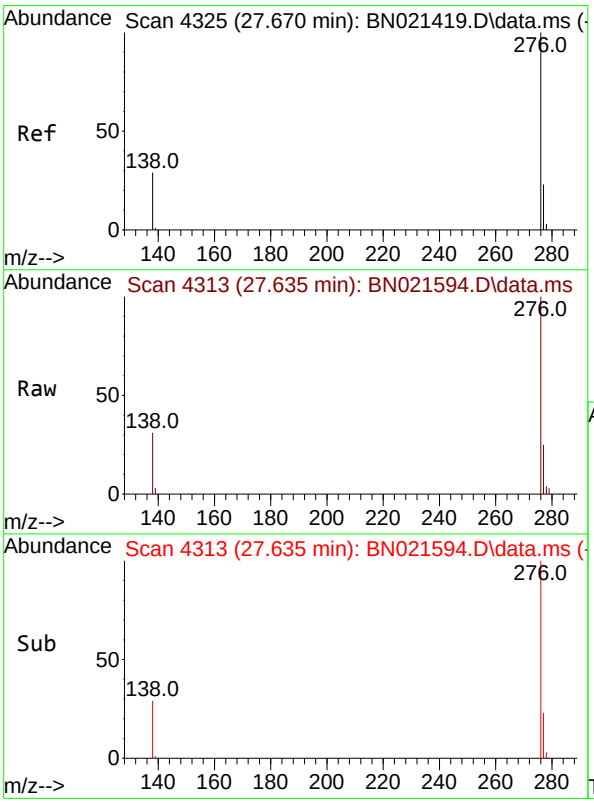
#40
Dibenzo(a,h)anthracene
Concen: 0.369 ng
RT: 26.845 min Scan# 4
Delta R.T. -0.012 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Instrument :
BNA_N
ClientSampleId :
PB147398BSD

Tgt Ion:278 Resp: 14122

Ion	Ratio	Lower	Upper
278	100		
139	23.8	21.8	32.6
279	25.6	20.4	30.6





#41
Benzo(g,h,i)perylene
Concen: 0.347 ng
RT: 27.635 min Scan# 4313
Delta R.T. -0.018 min
Lab File: BN021594.D
Acq: 03 Sep 2022 13:01

Tgt Ion:276 Resp: 14584

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	30.8	23.7	35.5