Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091522\
Data File : BN021766.D
Acq On : 15 Sep 2022 10:42
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 16 06:22:59 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 14 01:55:04 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.055	152	4153	0.400	ng		0.00
7) Naphthalene-d8	10.888	136	13106	0.400	ng		# 0.00
13) Acenaphthene-d10	14.707	164	8158	0.400	ng		0.00
19) Phenanthrene-d10	17.456	188	18900	0.400	ng		# 0.00
29) Chrysene-d12	21.647	240	15190	0.400	ng		# 0.00
35) Perylene-d12	24.157	264	12600	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.585	112	4604	0.424	ng		0.00
5) Phenol-d6	7.210	99	5897	0.428	ng		0.00
8) Nitrobenzene-d5	9.222	82	4287	0.396	ng		-0.01
11) 2-Methylnaphthalene-d10	12.471	152	13121	0.397	ng		0.00
14) 2,4,6-Tribromophenol	16.197	330	1547	0.415	ng		-0.01
15) 2-Fluorobiphenyl	13.339	172	12457	0.374	ng		0.00
27) Fluoranthene-d10	19.490	212	19620	0.386	ng		0.00
31) Terphenyl-d14	20.080	244	13687	0.394	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.403	88	2016	0.376	ng		96
3) n-Nitrosodimethylamine	3.736	42	2096	0.384	ng	#	95
6) bis(2-Chloroethyl)ether	7.470	93	5183	0.379	ng		99
9) Naphthalene	10.930	128	14721	0.381	ng		99
10) Hexachlorobutadiene	11.219	225	2521	0.390	ng	#	100
12) 2-Methylnaphthalene	12.176	142	3451	0.415	ng		98
16) Acenaphthylene	14.429	152	14693	0.377	ng		100
17) Acenaphthene	14.771	154	9979	0.375	ng		99
18) Fluorene	15.747	166	13576	0.384	ng		98
21) 4-Bromophenyl-phenylether	16.648	248	4252	0.365	ng	#	88
22) Hexachlorobenzene	16.763	284	4858	0.371	ng		99
23) Atrazine	16.913	200	3632	0.378	ng		99
24) Pentachlorophenol	17.109	266	1770	0.360	ng		98
25) Phenanthrene	17.502	178	23344	0.368	ng		100
26) Anthracene	17.594	178	20233	0.377	ng		100
28) Fluoranthene	19.519	202	25872	0.379	ng		100
30) Pyrene	19.882	202	28369	0.376	ng		98
32) Benzo(a)anthracene	21.629	228	22178	0.381	ng		98
33) Chrysene	21.683	228	23007	0.380	ng		99
34) Bis(2-ethylhexyl)phtha...	21.540	149	16572	0.426	ng		99
36) Indeno(1,2,3-cd)pyrene	26.794	276	20576	0.344	ng		99
37) Benzo(b)fluoranthene	23.385	252	20387	0.356	ng		97
38) Benzo(k)fluoranthene	23.435	252	19849	0.355	ng		97
39) Benzo(a)pyrene	24.043	252	16282	0.357	ng		96
40) Dibenzo(a,h)anthracene	26.820	278	16234	0.343	ng		96
41) Benzo(g,h,i)perylene	27.607	276	16992	0.348	ng		98

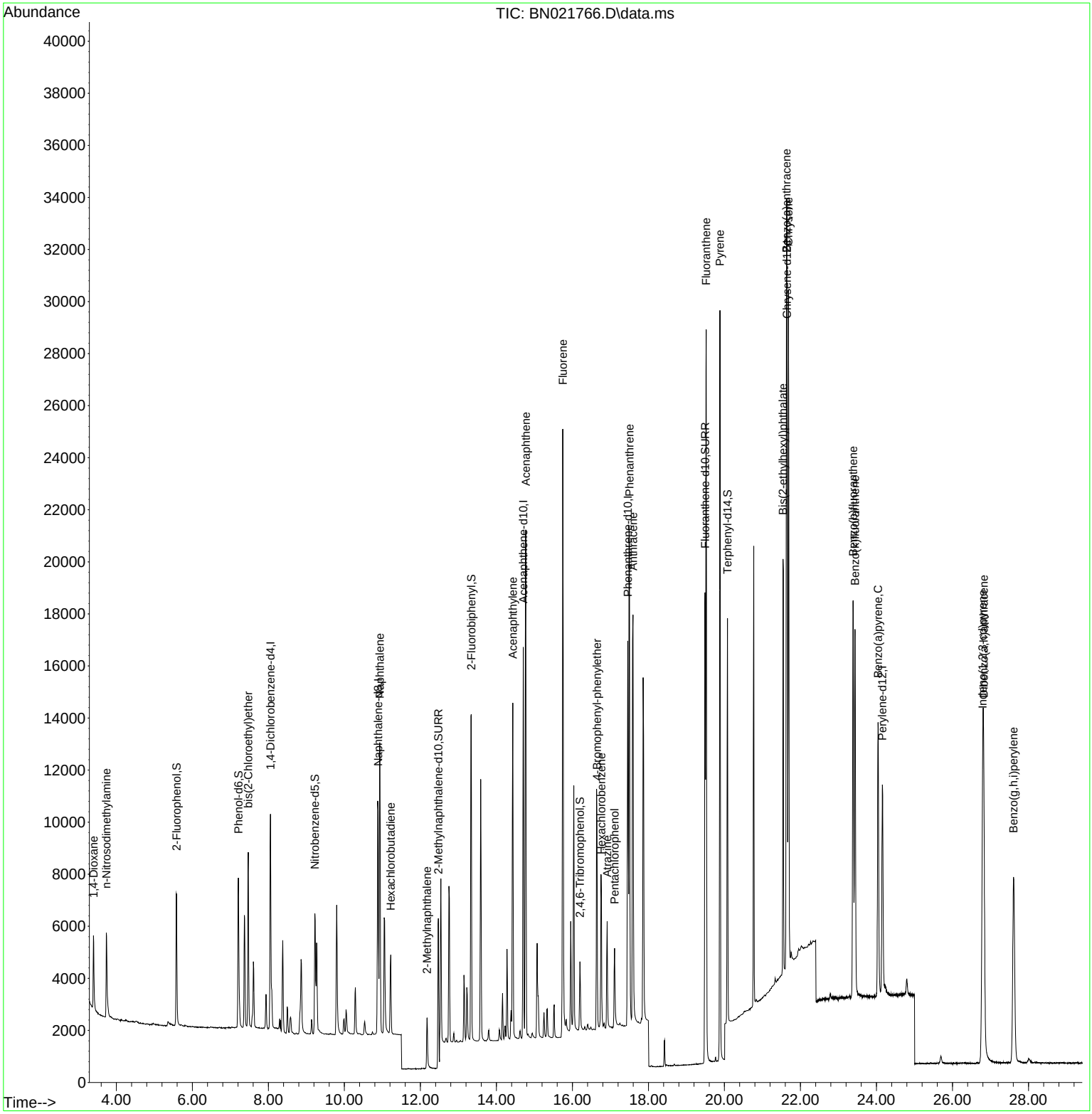
(#) = qualifier out of range (m) = manual integration (+) = signals summed

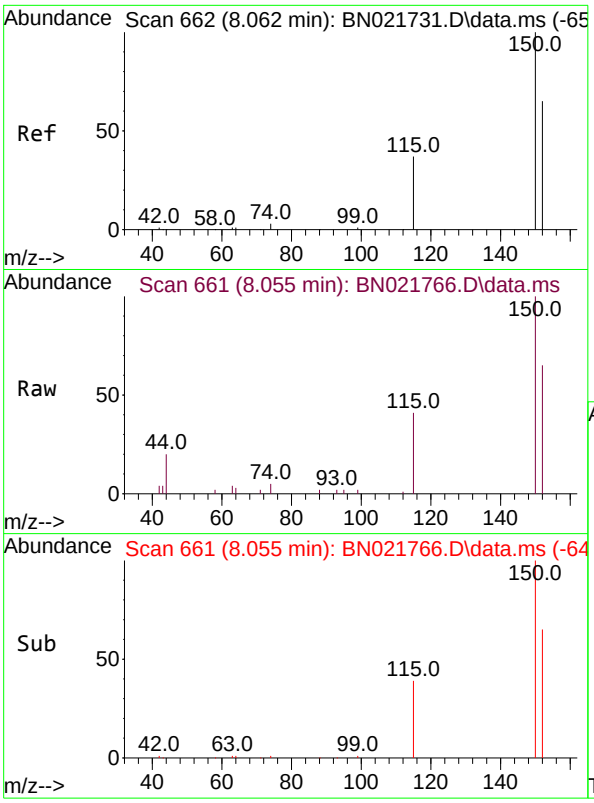
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091522\
Data File : BN021766.D
Acq On : 15 Sep 2022 10:42
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 16 06:22:59 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 14 01:55:04 2022
Response via : Initial Calibration



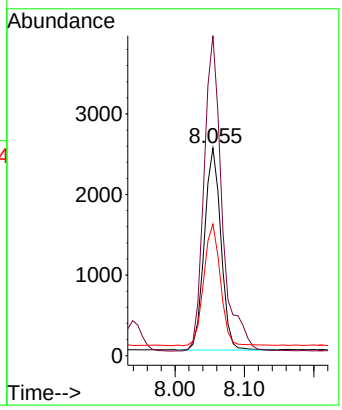


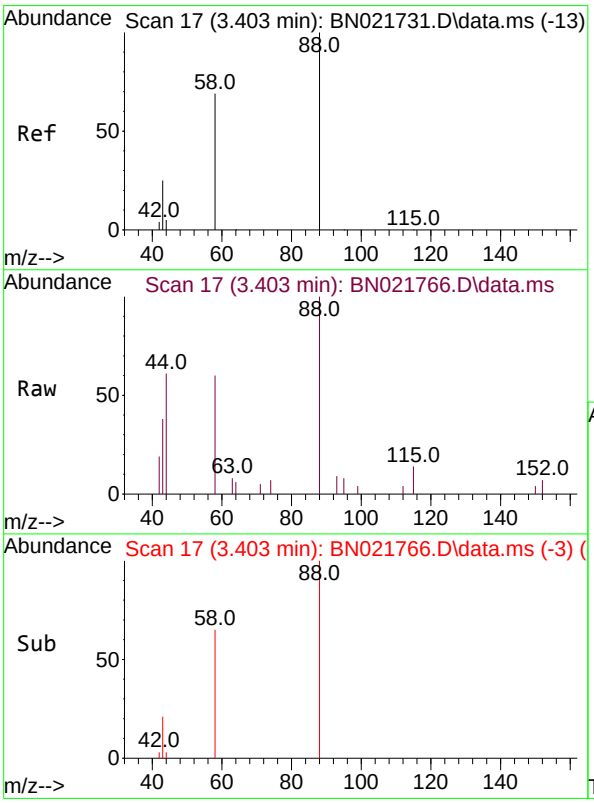
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.055 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4153

Ion	Ratio	Lower	Upper
152	100		
150	154.2	121.8	182.8
115	63.4	48.3	72.5

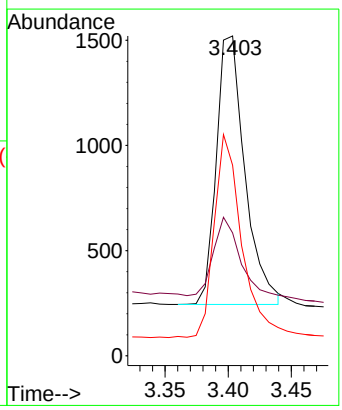


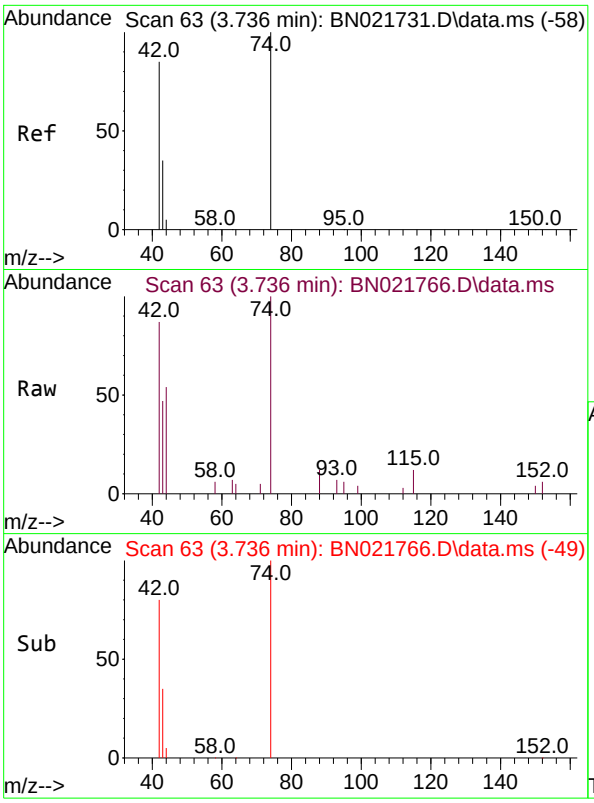


#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.403 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion: 88 Resp: 2016

Ion	Ratio	Lower	Upper
88	100		
43	26.4	24.2	36.2
58	72.5	60.2	90.4



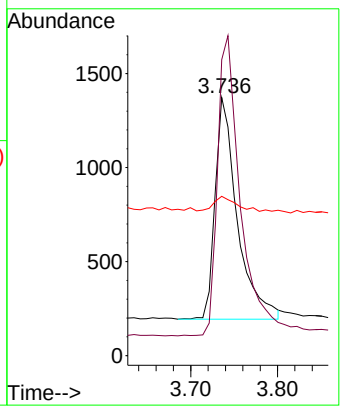


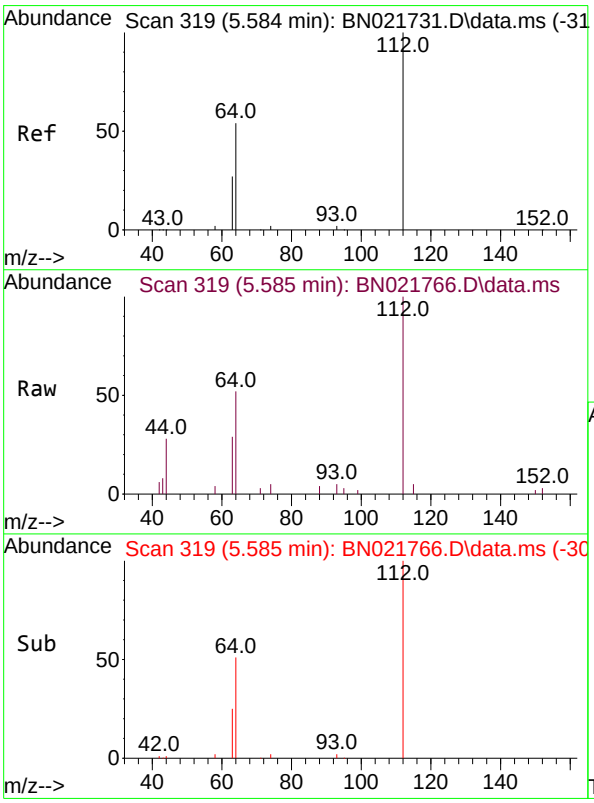
#3
n-Nitrosodimethylamine
Concen: 0.384 ng
RT: 3.736 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2096

Ion	Ratio	Lower	Upper
42	100		
74	139.4	116.3	174.5
44	6.6	9.0	13.4#

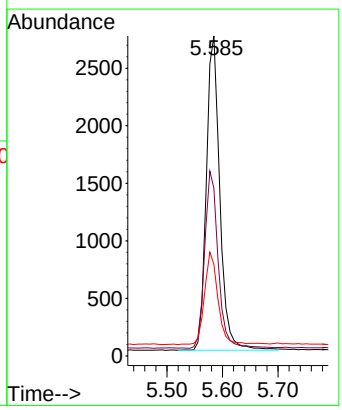


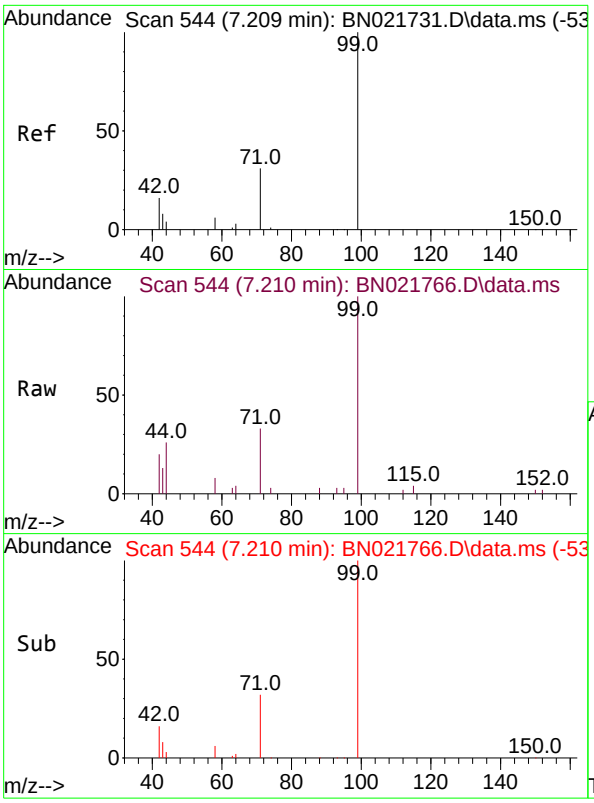


#4
2-Fluorophenol
Concen: 0.424 ng
RT: 5.585 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:112 Resp: 4604

Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.2
63	29.3	23.3	34.9



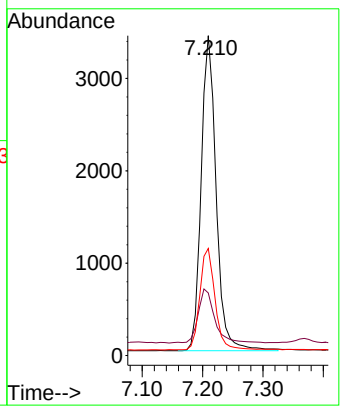


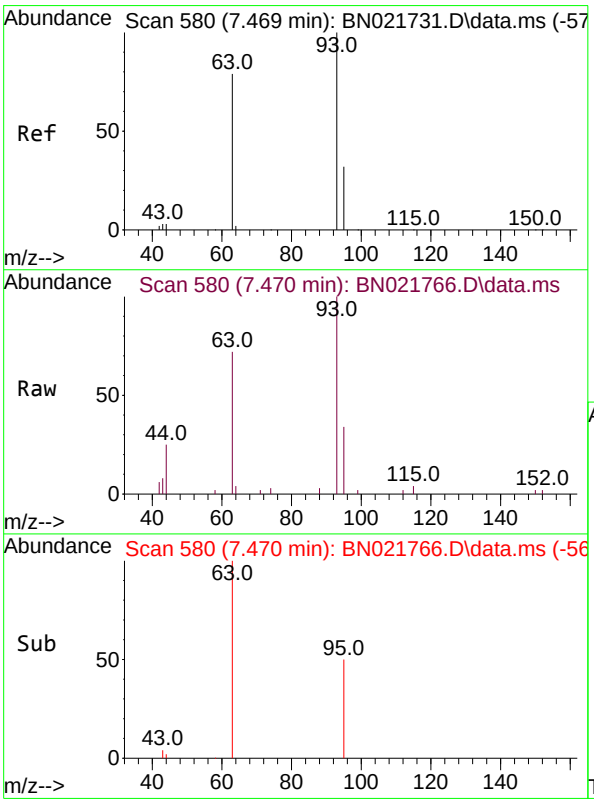
#5
Phenol-d6
Concen: 0.428 ng
RT: 7.210 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5897

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.1	22.7
71	32.5	25.3	37.9

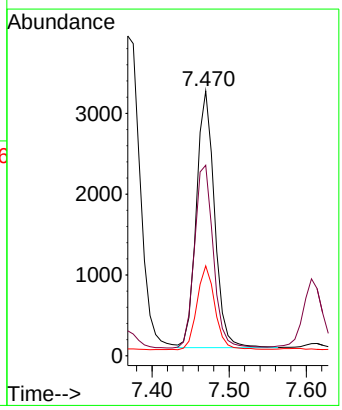


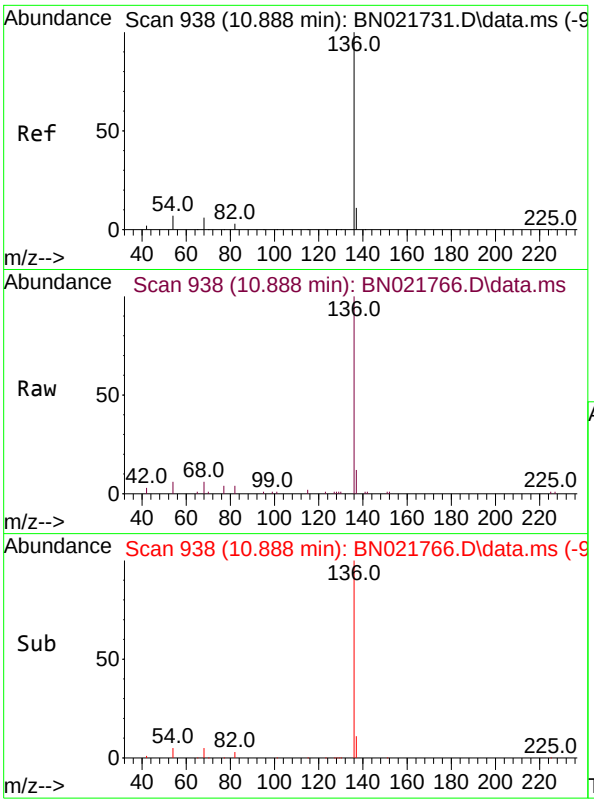


#6
bis(2-Chloroethyl)ether
Concen: 0.379 ng
RT: 7.470 min Scan# 580
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion: 93 Resp: 5183

Ion	Ratio	Lower	Upper
93	100		
63	73.9	60.0	90.0
95	32.5	26.2	39.4



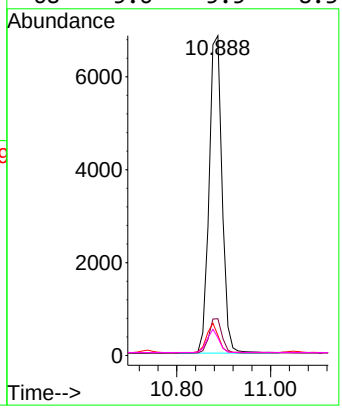


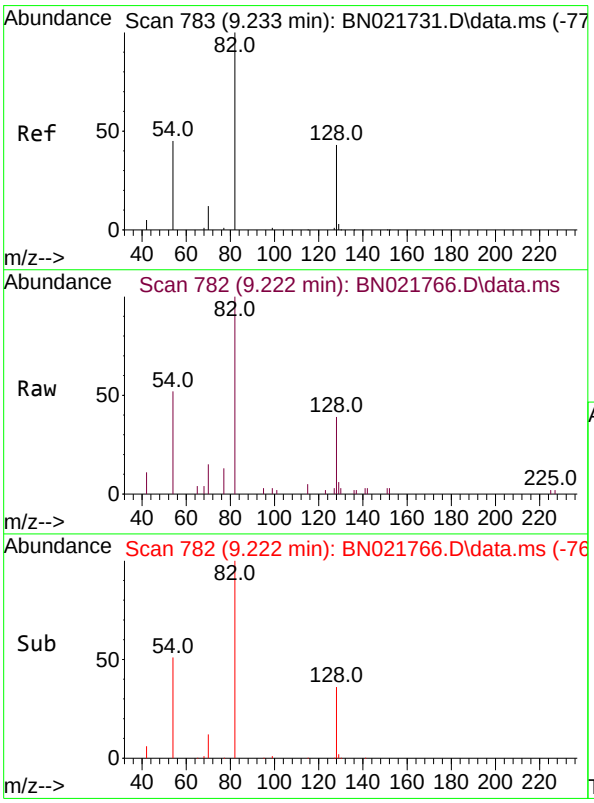
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.888 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 13106

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.3	6.4	9.6#
68	5.6	5.5	8.3

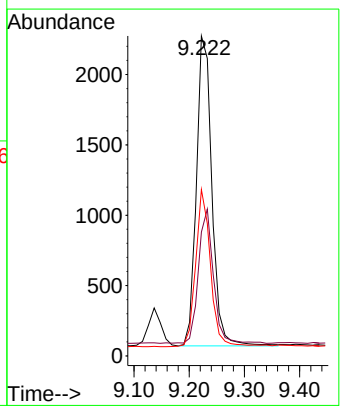


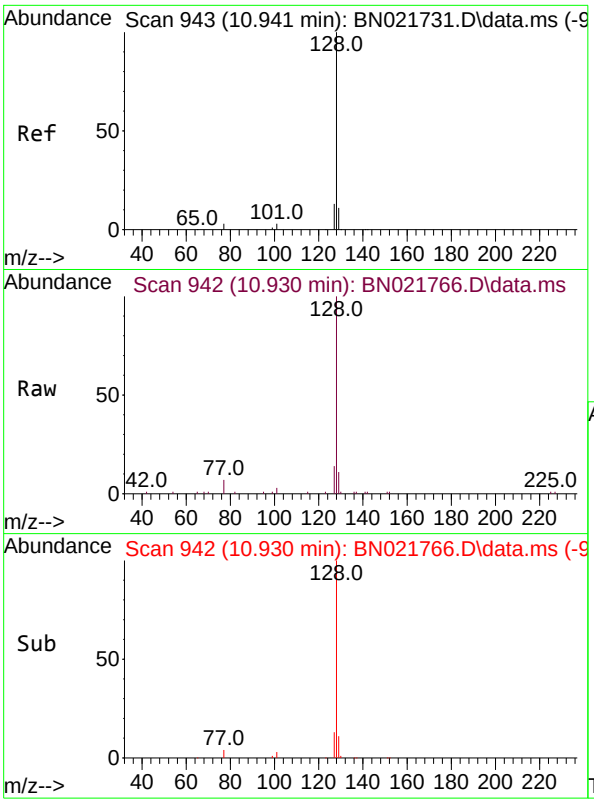


#8
Nitrobenzene-d5
Concen: 0.396 ng
RT: 9.222 min Scan# 782
Delta R.T. -0.011 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion: 82 Resp: 4287

Ion	Ratio	Lower	Upper
82	100		
128	38.7	35.6	53.4
54	52.0	37.8	56.8



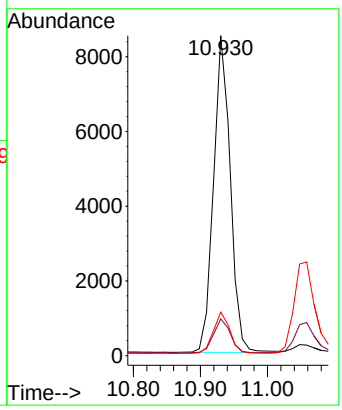


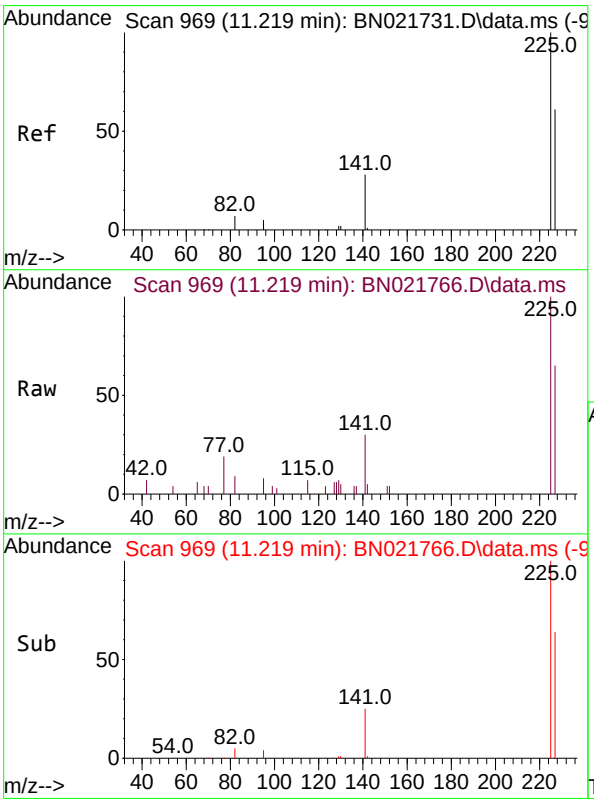
#9
Naphthalene
Concen: 0.381 ng
RT: 10.930 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 14721

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.6	10.5	15.7

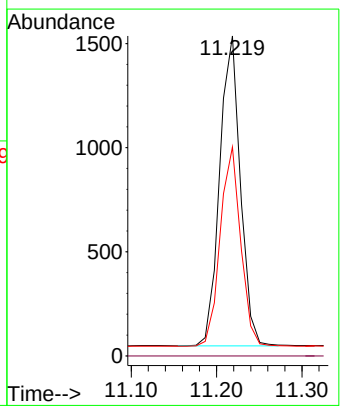


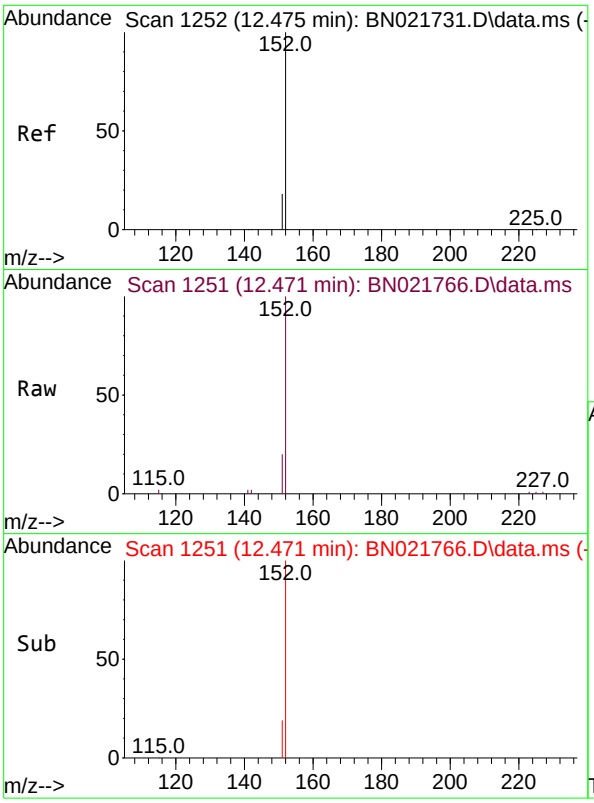


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 11.219 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:225 Resp: 2521

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.4	75.6



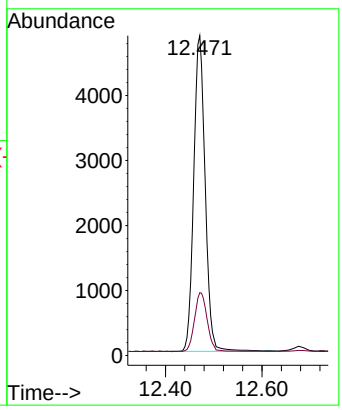


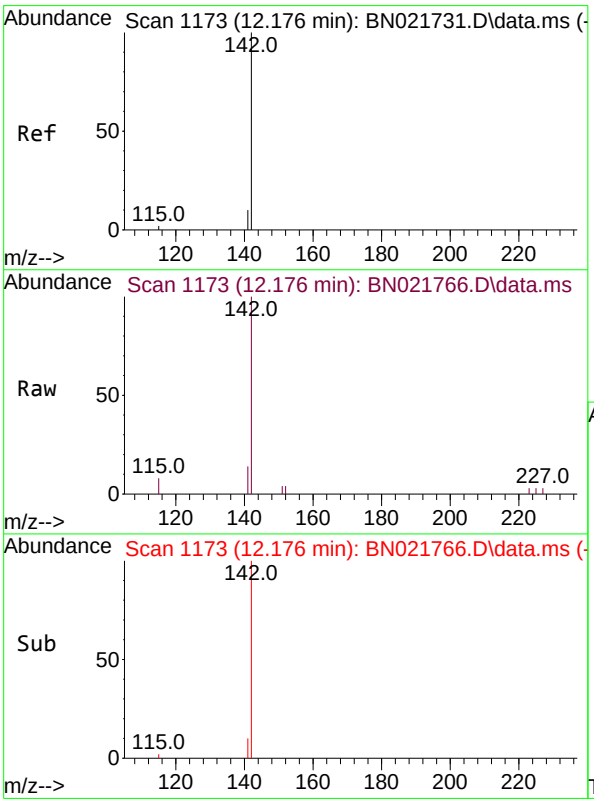
#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.471 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 13121

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.6	23.4

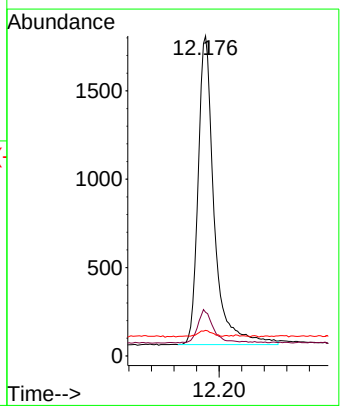


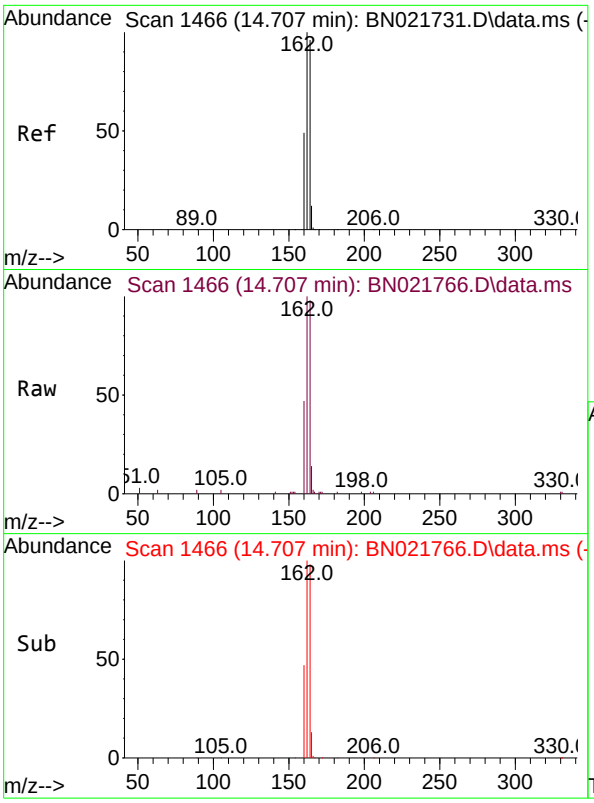


#12
2-Methylnaphthalene
Concen: 0.415 ng
RT: 12.176 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:142 Resp: 3451

Ion	Ratio	Lower	Upper
142	100		
141	13.6	10.6	16.0
115	8.0	5.6	8.4



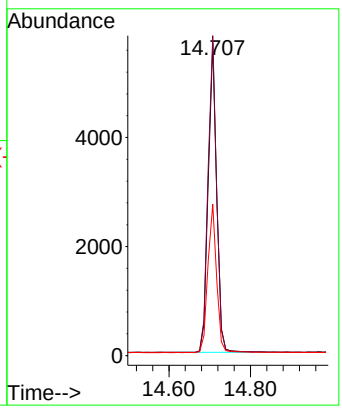


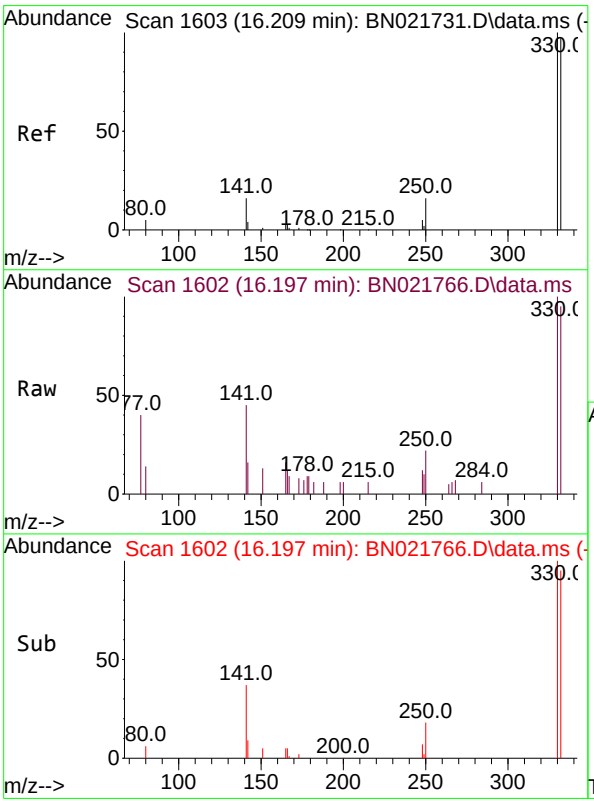
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.707 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8158

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.2	124.8
160	48.3	40.9	61.3

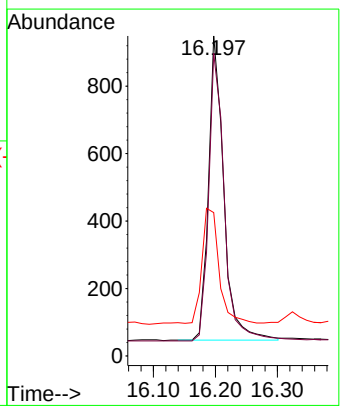


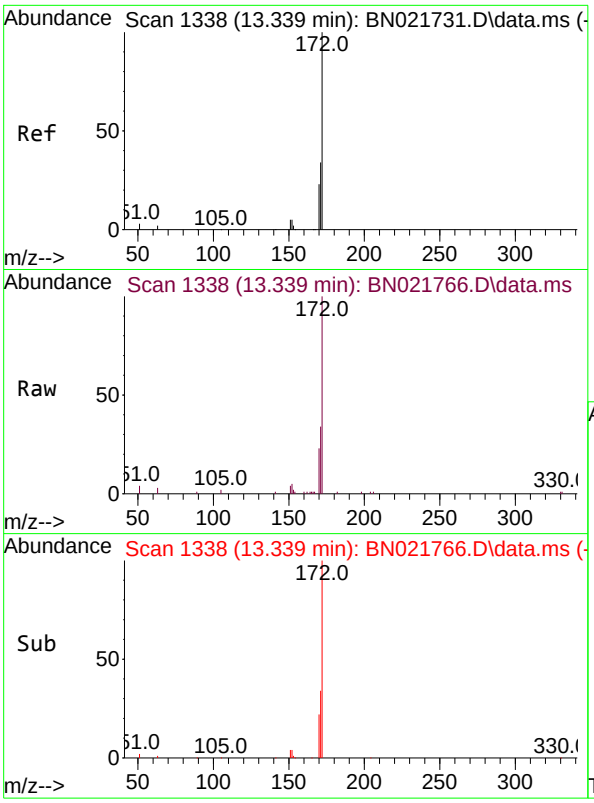


#14
2,4,6-Tribromophenol
Concen: 0.415 ng
RT: 16.197 min Scan# 1602
Delta R.T. -0.011 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:330 Resp: 1547

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	41.8	37.2	55.8



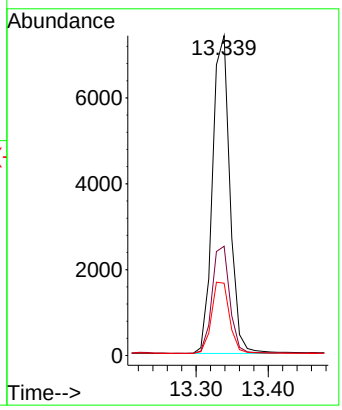


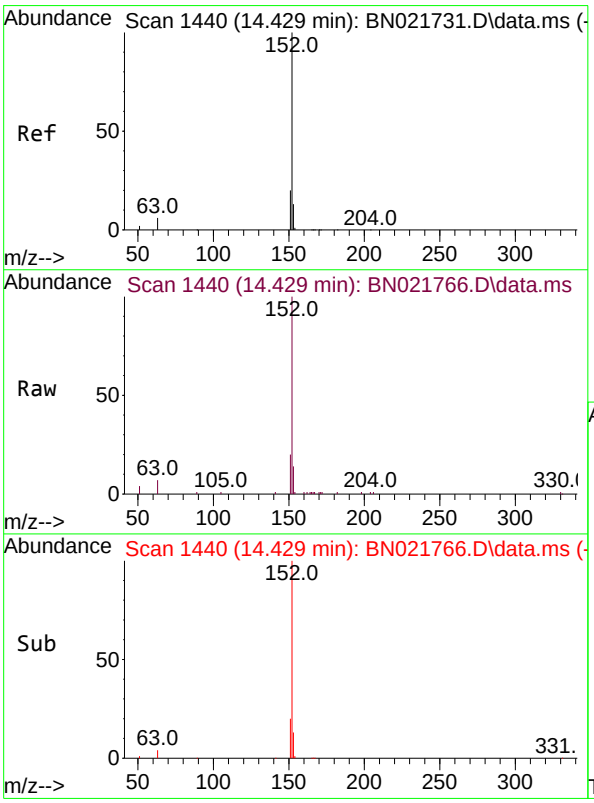
#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.339 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 12457

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.7	41.5
170	22.6	18.8	28.2

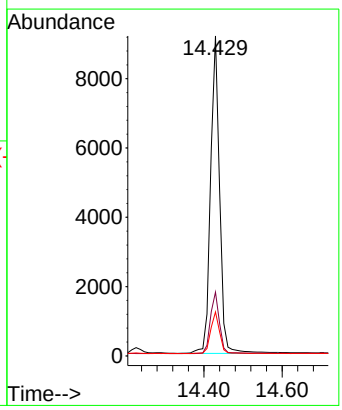


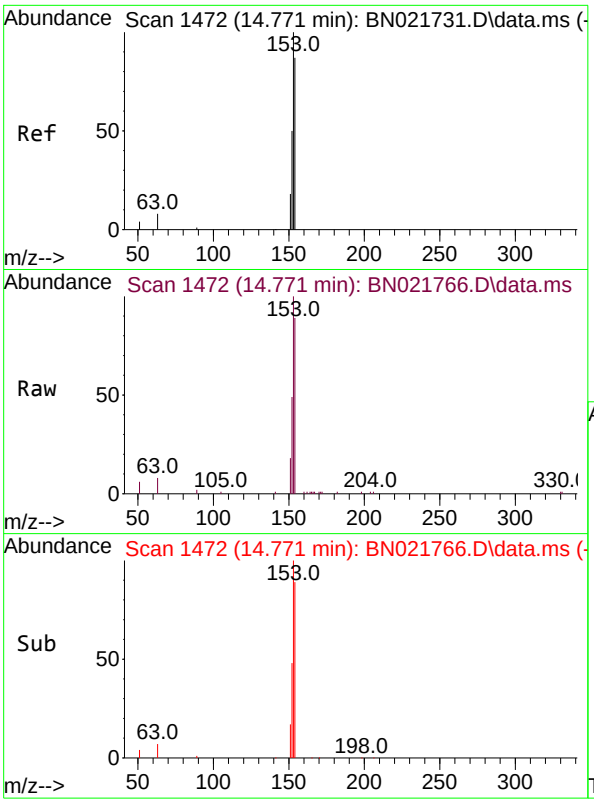


#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.429 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:152 Resp: 14693

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.0
153	13.1	10.3	15.5



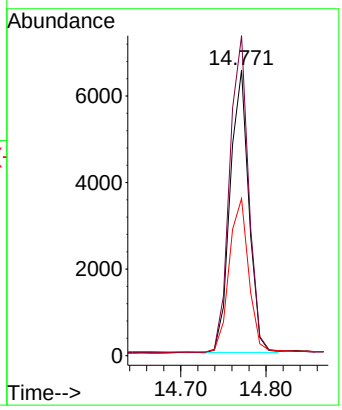


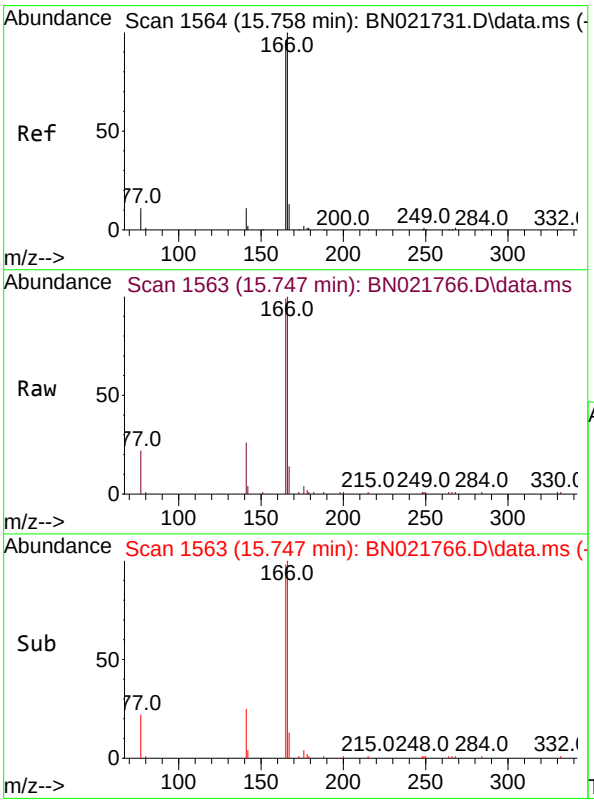
#17
Acenaphthene
Concen: 0.375 ng
RT: 14.771 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9979

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.0	136.4
152	56.8	46.0	69.0

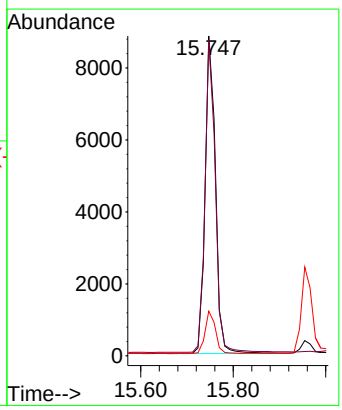


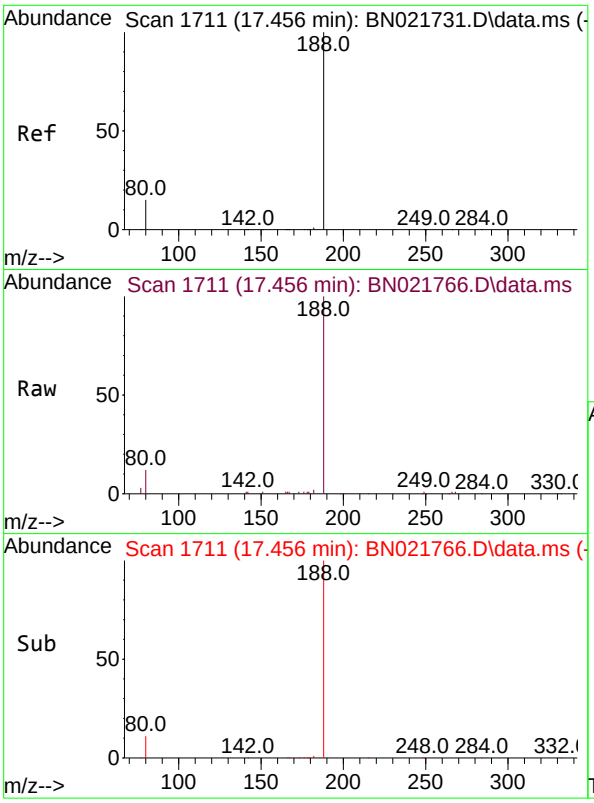


#18
Fluorene
Concen: 0.384 ng
RT: 15.747 min Scan# 1563
Delta R.T. -0.011 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:166 Resp: 13576

Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.4	119.0
167	13.3	10.6	15.8



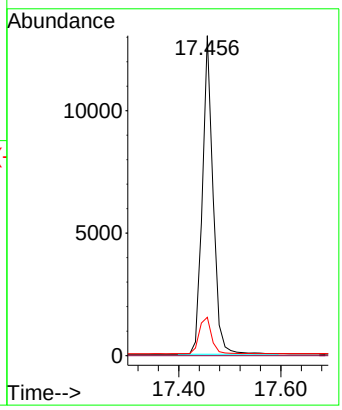


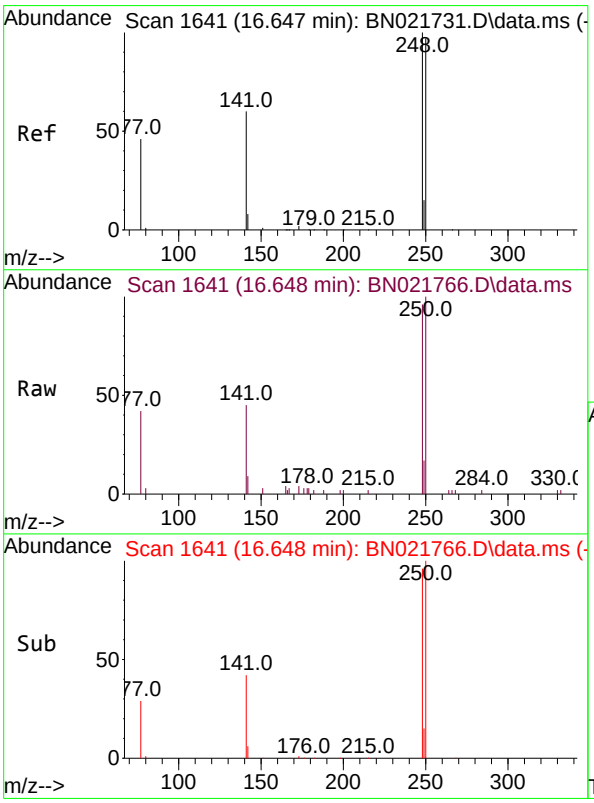
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.456 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 18900

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	12.6	19.0#

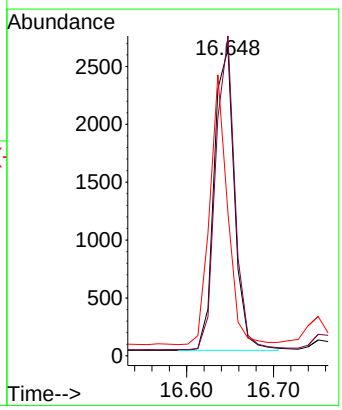


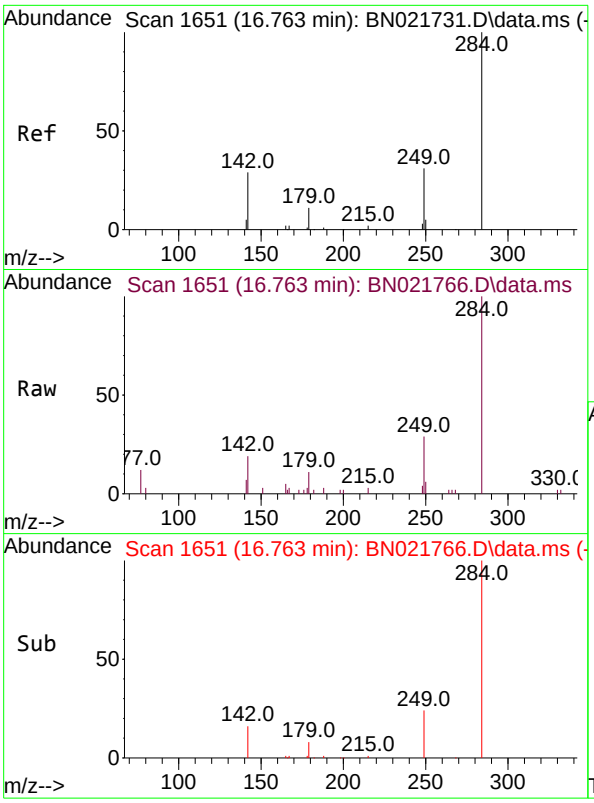


#21
4-Bromophenyl-phenylether
Concen: 0.365 ng
RT: 16.648 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:248 Resp: 4252

Ion	Ratio	Lower	Upper
248	100		
250	104.2	77.8	116.8
141	46.5	49.0	73.4#



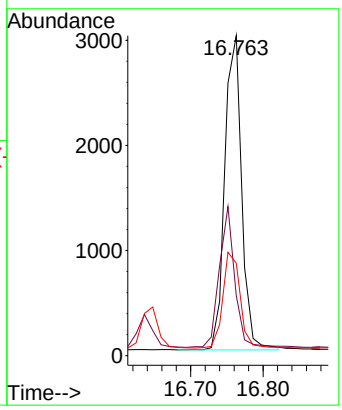


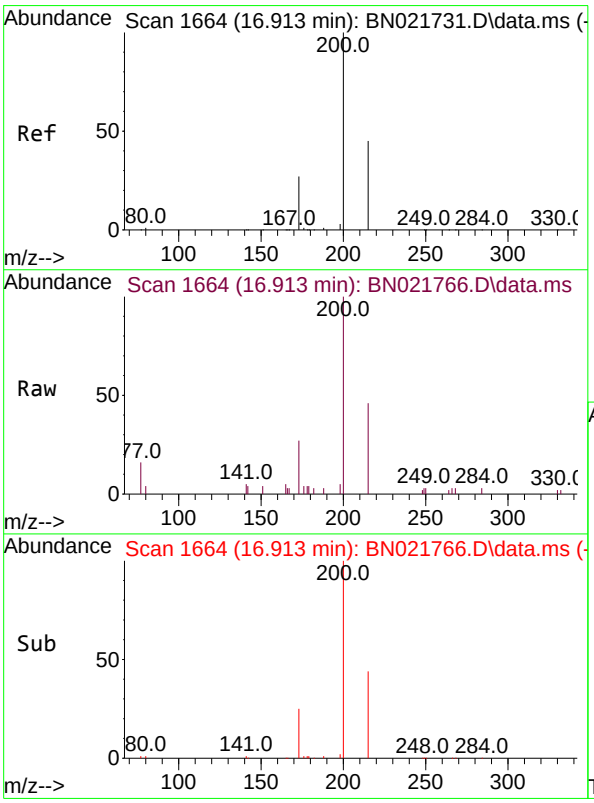
#22
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 4858

Ion	Ratio	Lower	Upper
284	100		
142	40.8	33.4	50.2
249	31.0	25.1	37.7

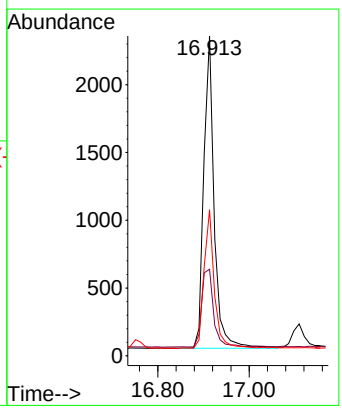


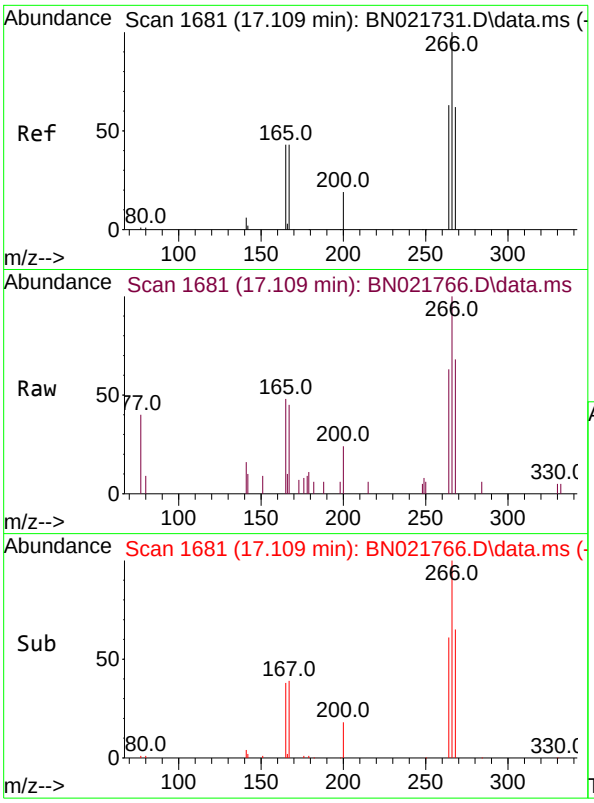


#23
Atrazine
Concen: 0.378 ng
RT: 16.913 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:200 Resp: 3632

Ion	Ratio	Lower	Upper
200	100		
173	27.1	22.9	34.3
215	45.7	36.9	55.3



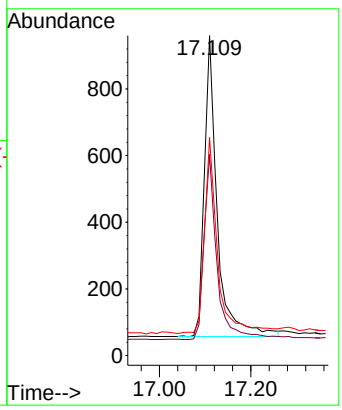


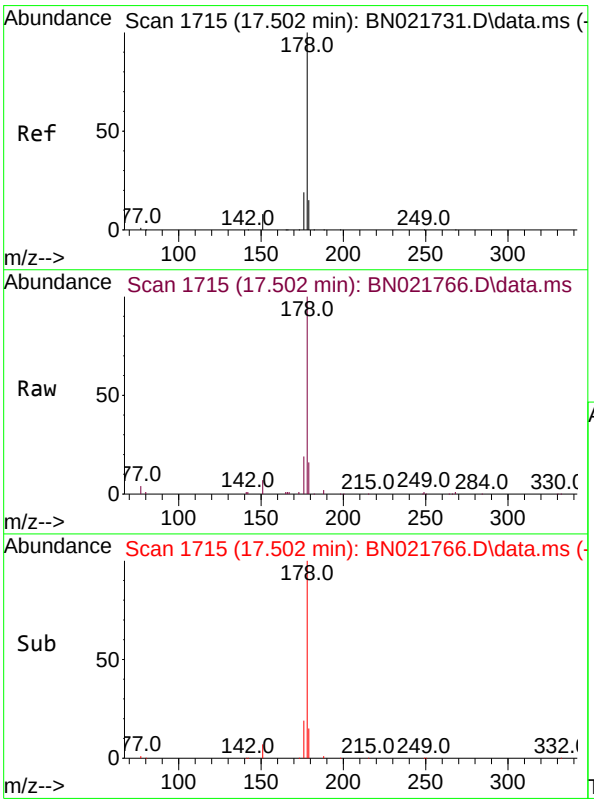
#24
Pentachlorophenol
Concen: 0.360 ng
RT: 17.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:266 Resp: 1770

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.0	75.0
268	65.9	50.2	75.2

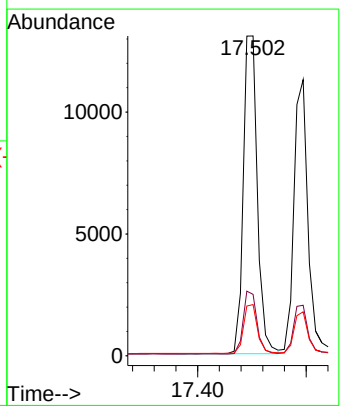


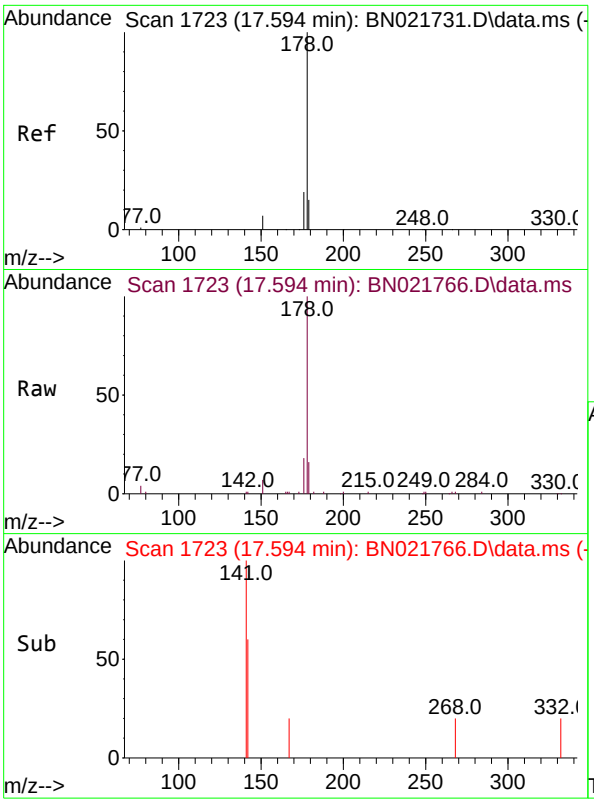


#25
Phenanthrene
Concen: 0.368 ng
RT: 17.502 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:178 Resp: 23344

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.2	18.4



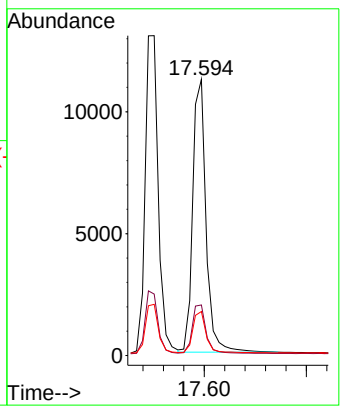


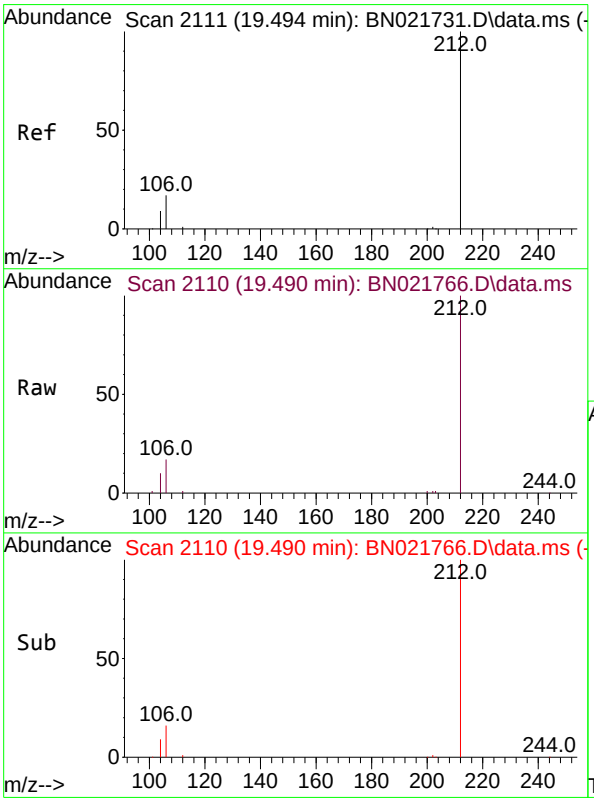
#26
Anthracene
Concen: 0.377 ng
RT: 17.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 20233

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.1	12.2	18.2

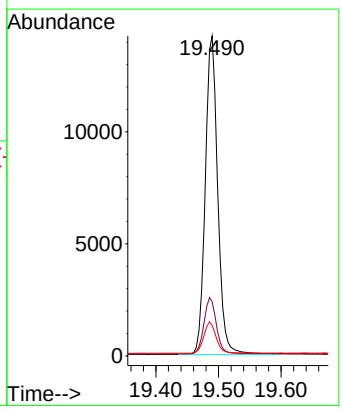


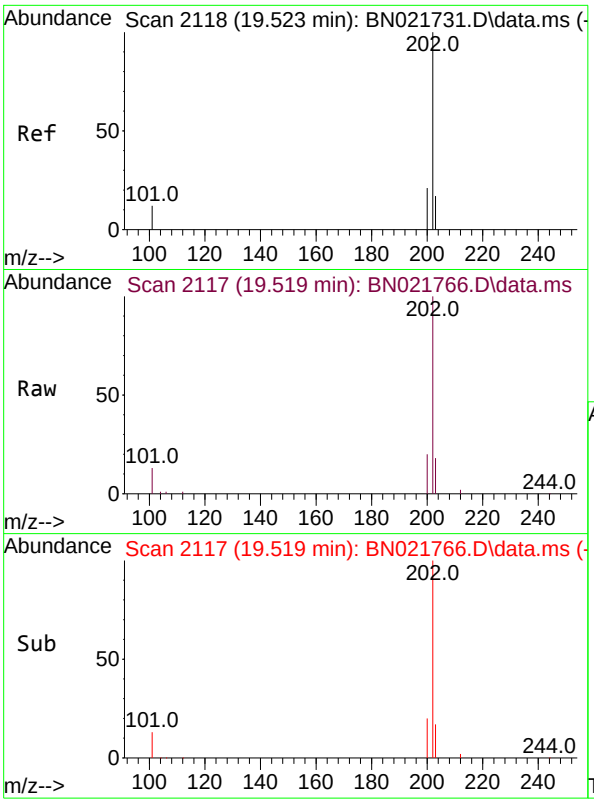


#27
Fluoranthene-d10
Concen: 0.386 ng
RT: 19.490 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:212 Resp: 19620

Ion	Ratio	Lower	Upper
212	100		
106	17.6	14.3	21.5
104	9.7	8.0	12.0



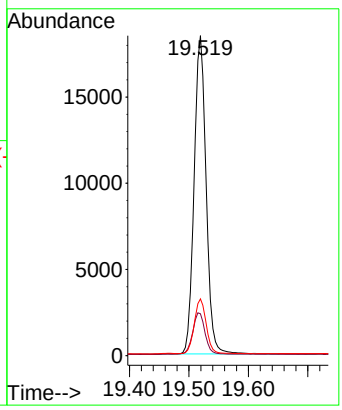


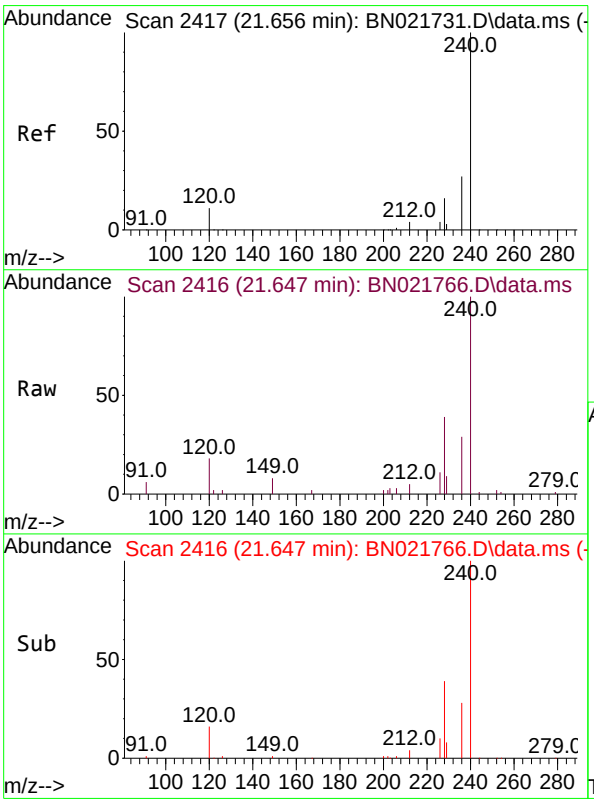
#28
Fluoranthene
Concen: 0.379 ng
RT: 19.519 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 25872

Ion	Ratio	Lower	Upper
202	100		
101	13.5	11.0	16.4
203	17.1	13.7	20.5

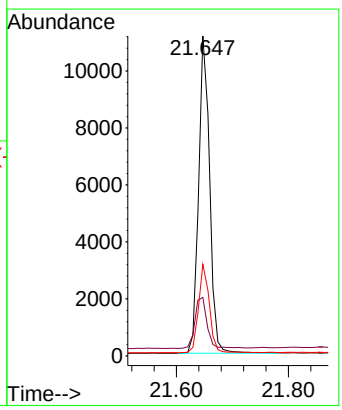


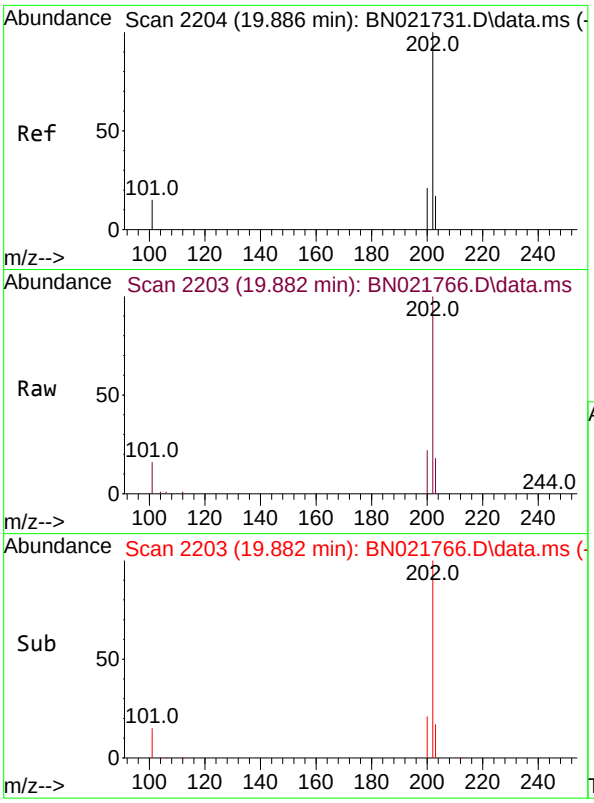


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.647 min Scan# 2416
Delta R.T. -0.009 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:240 Resp: 15190

Ion	Ratio	Lower	Upper
240	100		
120	18.3	9.8	14.8#
236	28.6	22.2	33.4



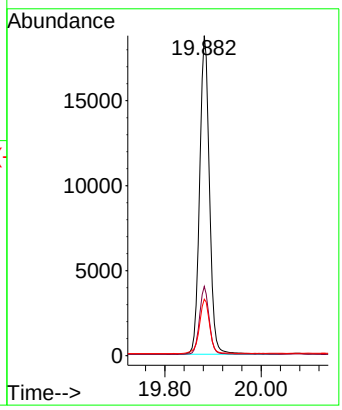


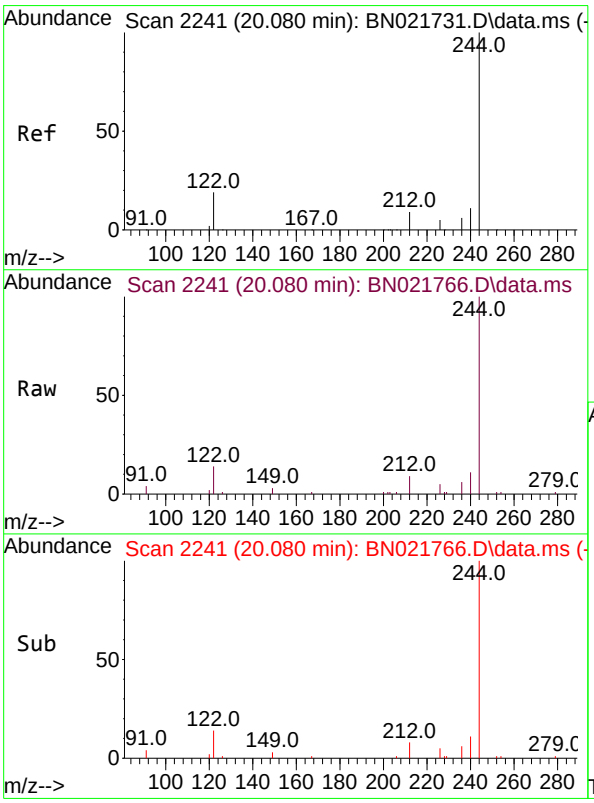
#30
Pyrene
Concen: 0.376 ng
RT: 19.882 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 28369

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.0	22.4
203	16.6	12.8	19.2

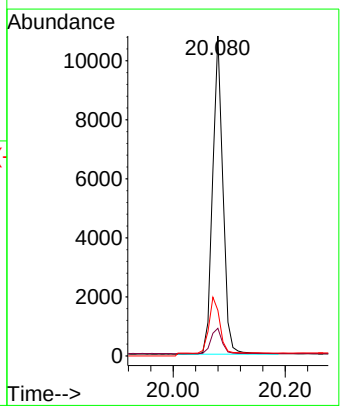


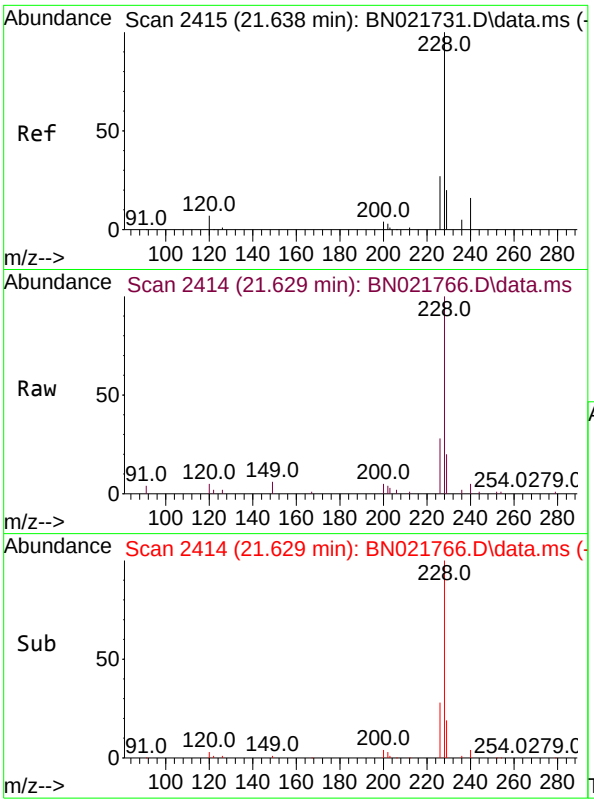


#31
Terphenyl-d14
Concen: 0.394 ng
RT: 20.080 min Scan# 2241
Delta R.T. 0.000 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:244 Resp: 13687

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.9	11.9
122	14.2	15.8	23.8#



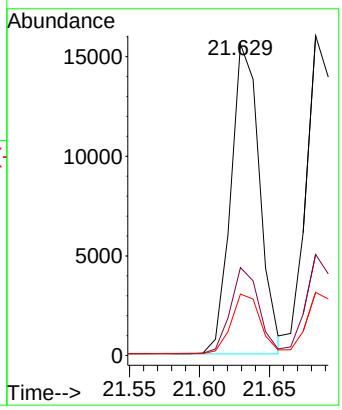


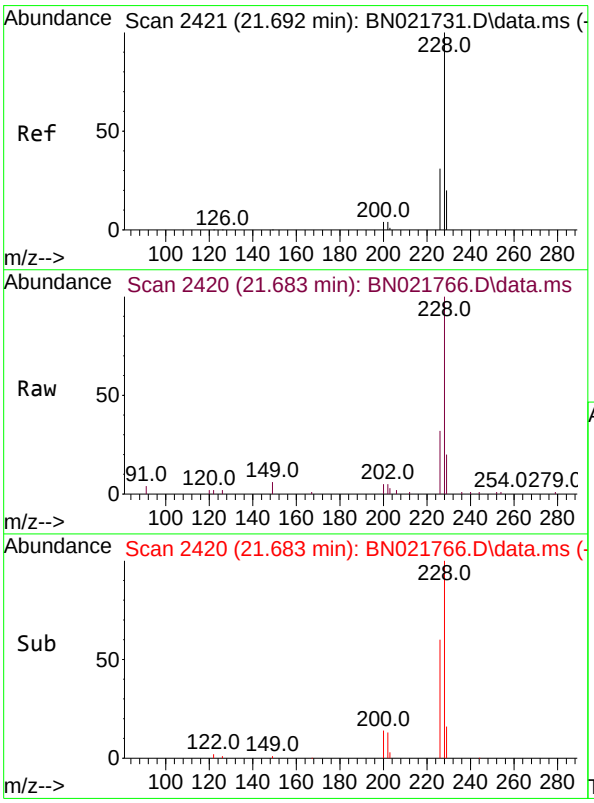
#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.629 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 22178

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.5	32.3
229	19.7	15.8	23.8

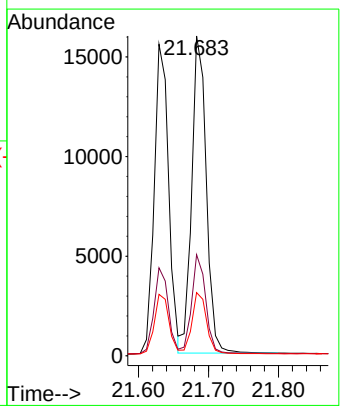


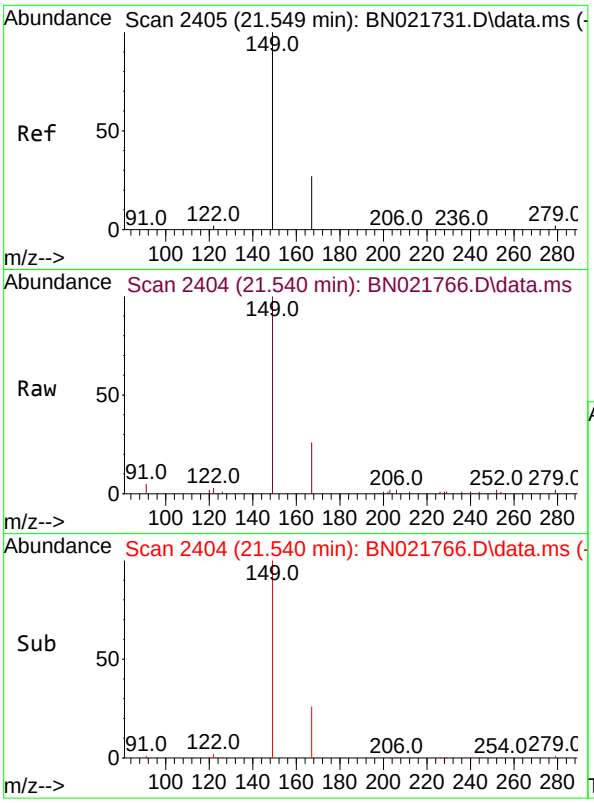


#33
Chrysene
Concen: 0.380 ng
RT: 21.683 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:228 Resp: 23007

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.5	36.7
229	19.8	16.0	24.0



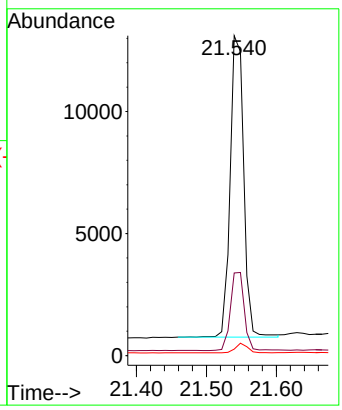


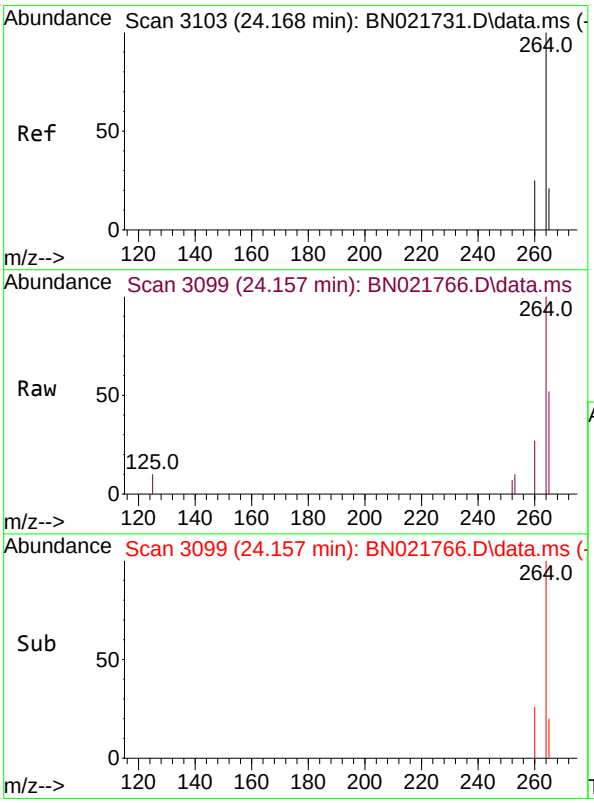
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.426 ng
RT: 21.540 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:149 Resp: 16572

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.8	31.2
279	2.9	2.1	3.1

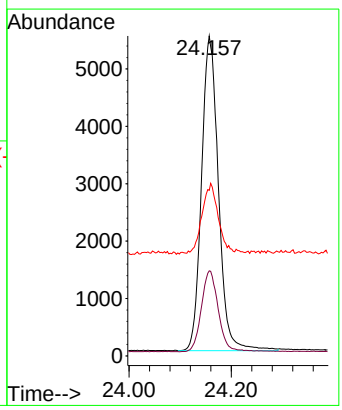


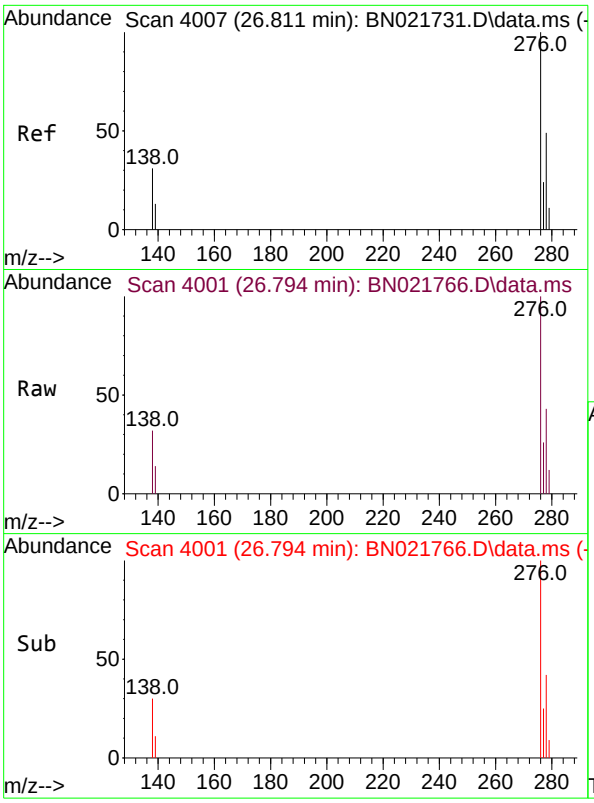


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.157 min Scan# 3099
Delta R.T. -0.012 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:264 Resp: 12600

Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.6	31.0
265	51.7	34.4	51.6#



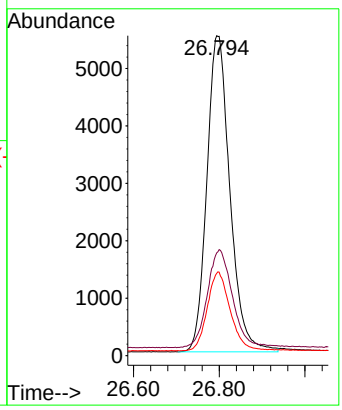


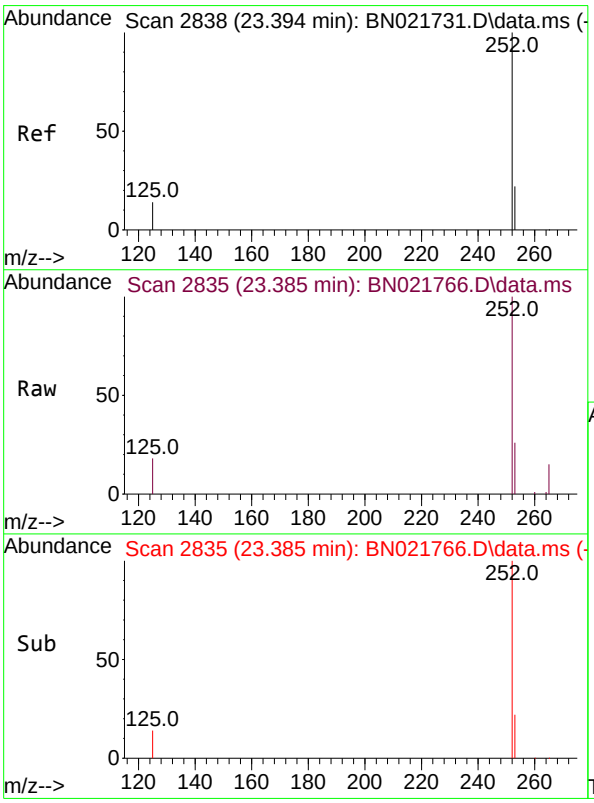
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.344 ng
RT: 26.794 min Scan# 40
Delta R.T. -0.018 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 20576

Ion	Ratio	Lower	Upper
276	100		
138	33.5	27.4	41.0
277	24.8	19.8	29.6

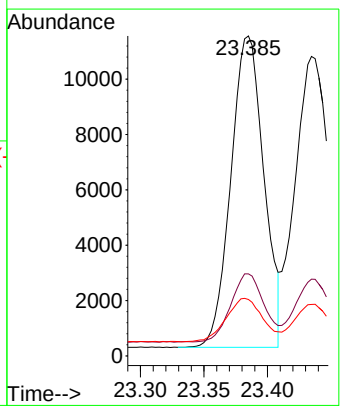


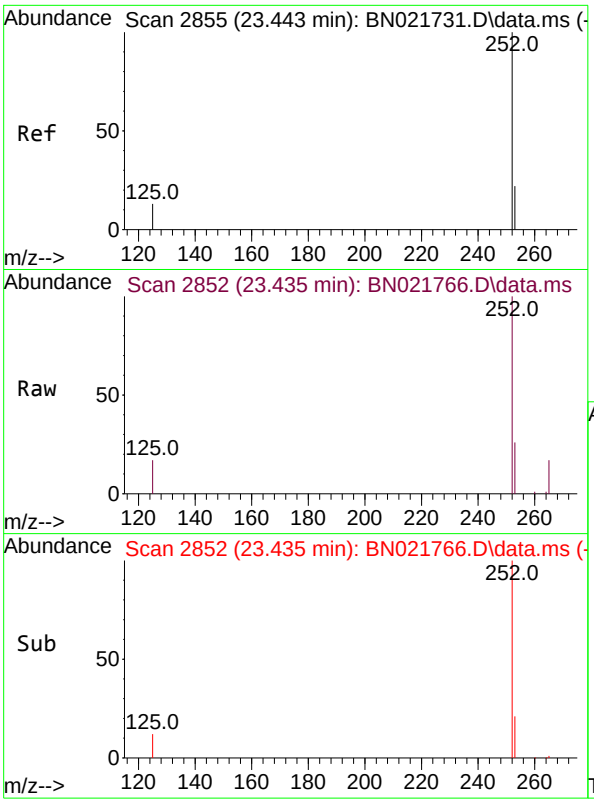


#37
Benzo(b)fluoranthene
Concen: 0.356 ng
RT: 23.385 min Scan# 2835
Delta R.T. -0.009 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:252 Resp: 20387

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.6	29.4
125	17.6	13.0	19.4



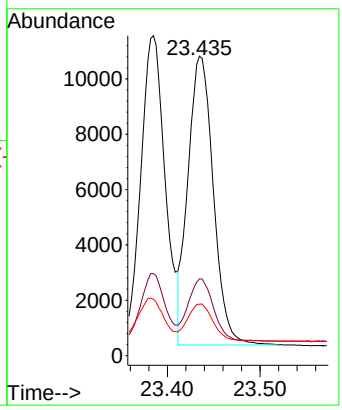


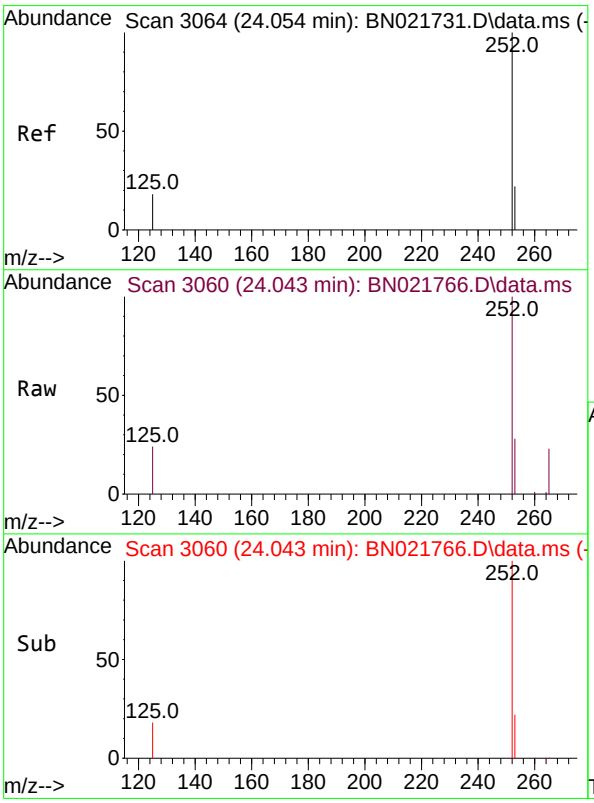
#38
Benzo(k)fluoranthene
Concen: 0.355 ng
RT: 23.435 min Scan# 28
Delta R.T. -0.009 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 19849

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.4	29.2
125	17.2	12.6	18.8

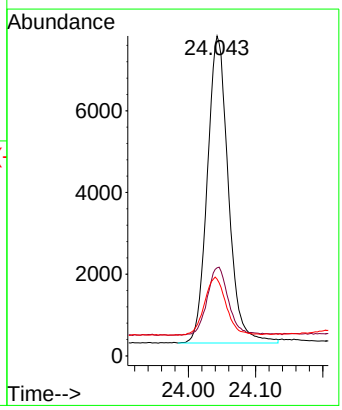


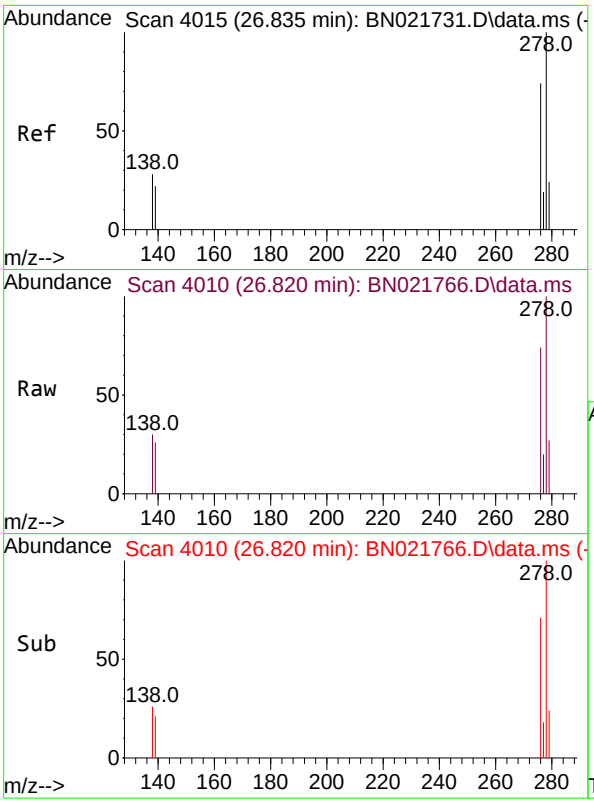


#39
Benzo(a)pyrene
Concen: 0.357 ng
RT: 24.043 min Scan# 3060
Delta R.T. -0.012 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:252 Resp: 16282

Ion	Ratio	Lower	Upper
252	100		
253	27.5	20.8	31.2
125	24.0	17.4	26.0



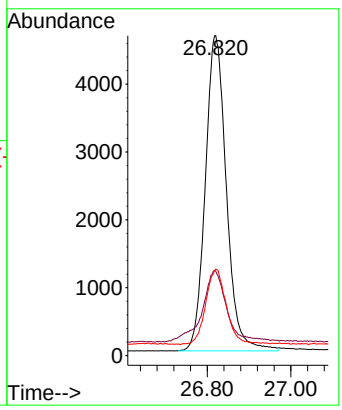


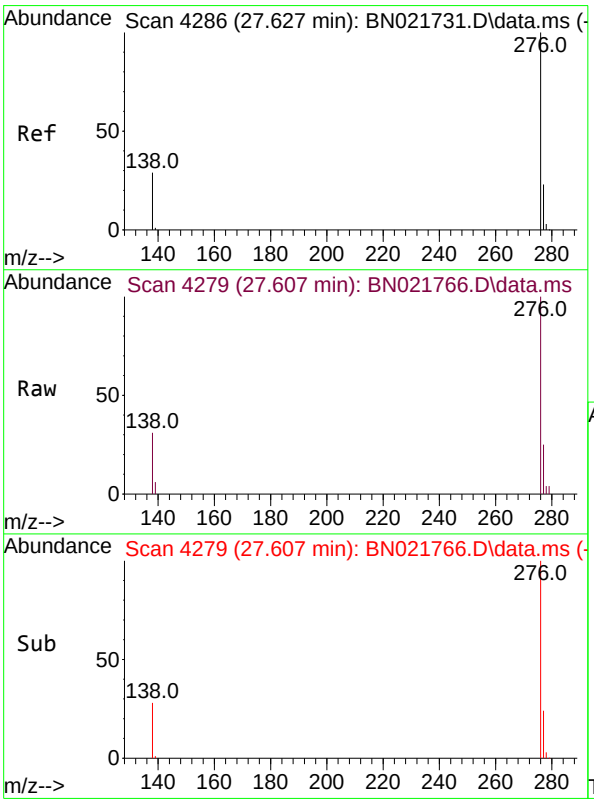
#40
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 26.820 min Scan# 40
Delta R.T. -0.015 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 16234

Ion	Ratio	Lower	Upper
278	100		
139	26.3	19.2	28.8
279	27.0	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 0.348 ng
RT: 27.607 min Scan# 4279
Delta R.T. -0.020 min
Lab File: BN021766.D
Acq: 15 Sep 2022 10:42

Tgt Ion:276 Resp: 16992

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	30.9	24.2	36.2