Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051123\
Data File : BN025412.D
Acq On : 11 May 2023 22:31
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 12 04:11:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 00:57:16 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.904	152	8256	0.400	ng		0.00
7) Naphthalene-d8	10.707	136	26312	0.400	ng		0.00
13) Acenaphthene-d10	14.544	164	15283	0.400	ng		0.00
19) Phenanthrene-d10	17.298	188	31666	0.400	ng		0.00
29) Chrysene-d12	21.491	240	22223	0.400	ng	#	0.00
35) Perylene-d12	23.922	264	20715	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.455	112	7897	0.413	ng		0.00
5) Phenol-d6	7.073	99	10382	0.399	ng		0.00
8) Nitrobenzene-d5	9.084	82	8513	0.400	ng		0.00
11) 2-Methylnaphthalene-d10	12.302	152	14877	0.429	ng		0.00
14) 2,4,6-Tribromophenol	16.045	330	3247	0.398	ng		-0.01
15) 2-Fluorobiphenyl	13.176	172	23063	0.435	ng		0.00
27) Fluoranthene-d10	19.329	212	29992	0.414	ng		0.00
31) Terphenyl-d14	19.920	244	24159	0.451	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.310	88	3347	0.439	ng		99
3) n-Nitrosodimethylamine	3.650	42	5034	0.412	ng	#	97
6) bis(2-Chloroethyl)ether	7.326	93	9295	0.468	ng	#	86
9) Naphthalene	10.760	128	28552	0.431	ng		99
10) Hexachlorobutadiene	11.038	225	5479	0.426	ng	#	100
12) 2-Methylnaphthalene	12.377	142	19595	0.428	ng		97
16) Acenaphthylene	14.266	152	29445	0.415	ng		100
17) Acenaphthene	14.608	154	18457	0.439	ng		99
18) Fluorene	15.592	166	24110	0.433	ng		99
20) 4,6-Dinitro-2-methylph...	15.734	198	431	0.426	ng	#	75
21) 4-Bromophenyl-phenylether	16.479	248	7575	0.424	ng	#	75
22) Hexachlorobenzene	16.603	284	8655	0.439	ng		100
23) Atrazine	16.752	200	5651	0.390	ng		99
24) Pentachlorophenol	16.963	266	2984	0.374	ng		98
25) Phenanthrene	17.336	178	36493	0.426	ng		100
26) Anthracene	17.435	178	33561	0.404	ng		100
28) Fluoranthene	19.359	202	41014	0.413	ng		100
30) Pyrene	19.722	202	41933	0.448	ng		100
32) Benzo(a)anthracene	21.473	228	31891	0.421	ng		97
33) Chrysene	21.526	228	33577	0.456	ng		96
34) Bis(2-ethylhexyl)phtha...	21.383	149	28617	0.392	ng		99
36) Indeno(1,2,3-cd)pyrene	26.448	276	31930	0.419	ng		98
37) Benzo(b)fluoranthene	23.176	252	28454	0.419	ng	#	92
38) Benzo(k)fluoranthene	23.229	252	29476	0.422	ng	#	92
39) Benzo(a)pyrene	23.808	252	27953	0.422	ng	#	89
40) Dibenzo(a,h)anthracene	26.459	278	25294	0.417	ng	#	92
41) Benzo(g,h,i)perylene	27.228	276	26891	0.419	ng		94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051123\
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
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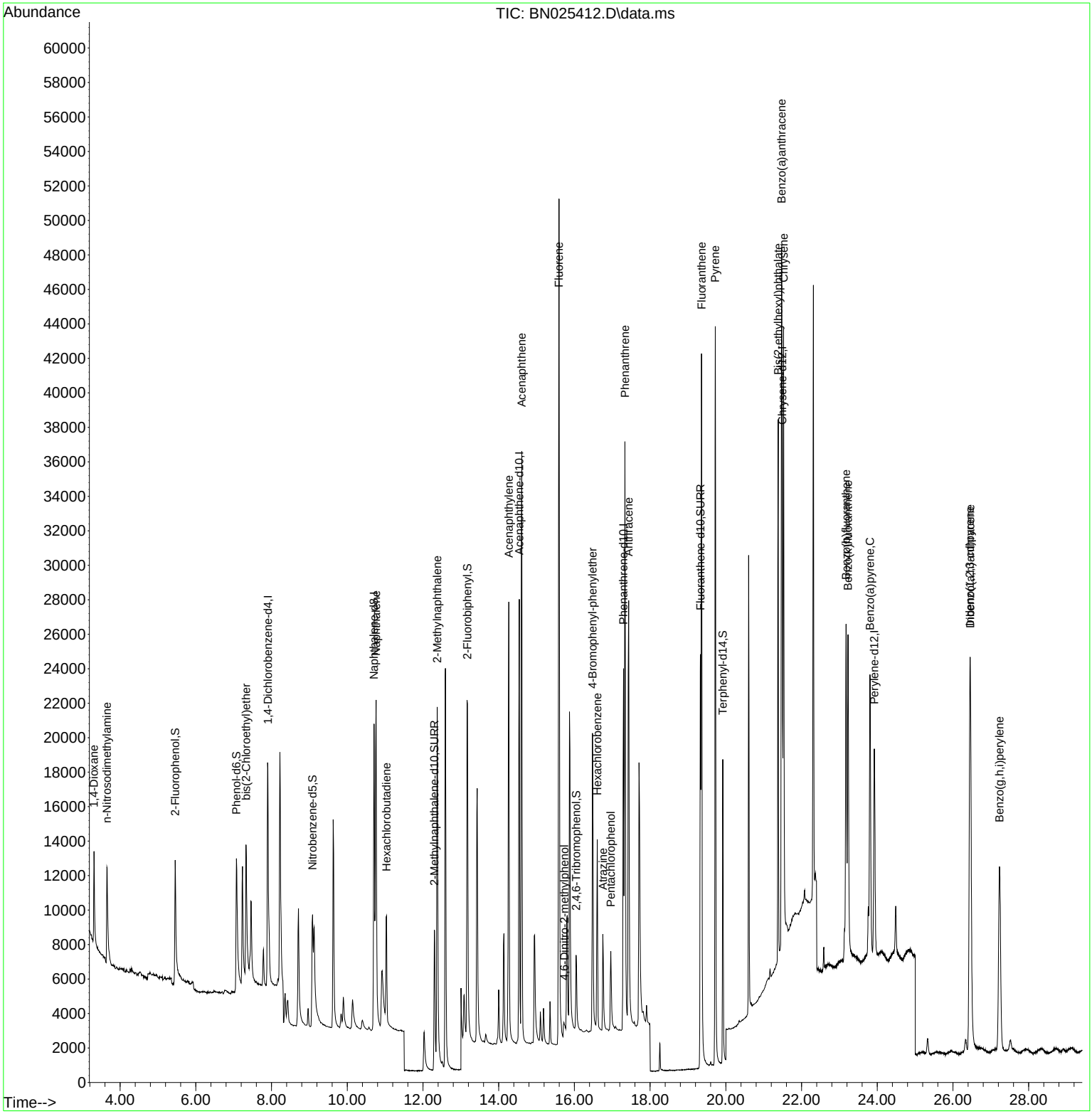
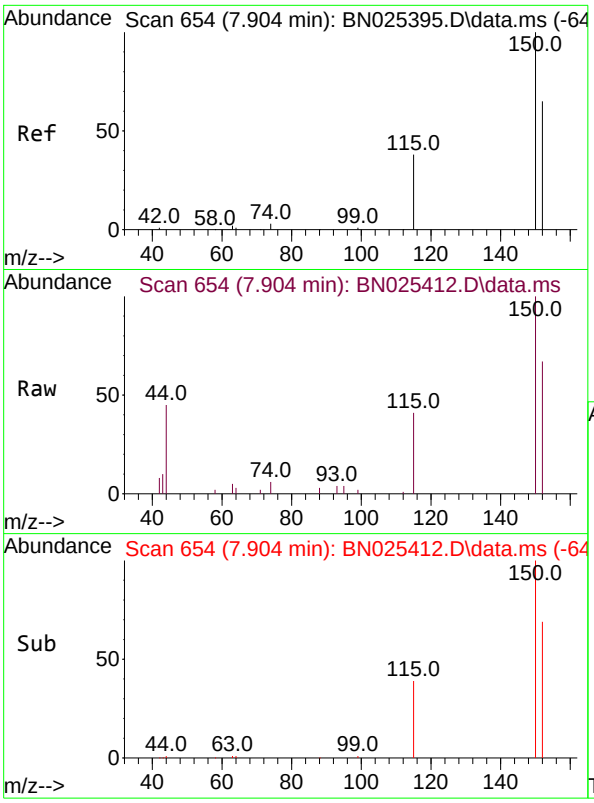
Quant Time: May 12 04:11:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 00:57:16 2023
Response via : Initial Calibration



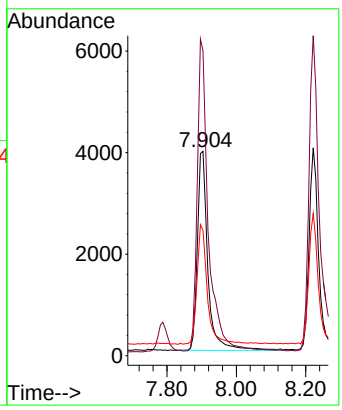


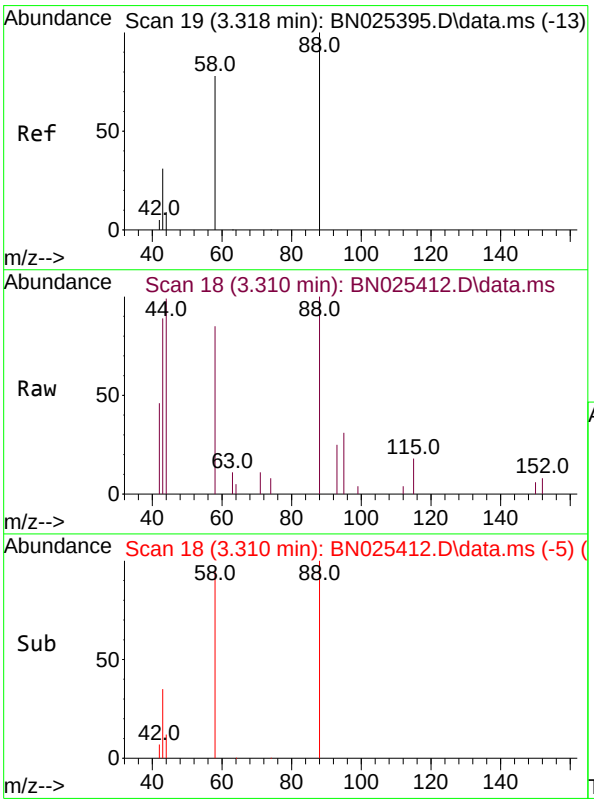
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8256

Ion	Ratio	Lower	Upper
152	100		
150	149.3	121.4	182.2
115	61.3	50.6	76.0

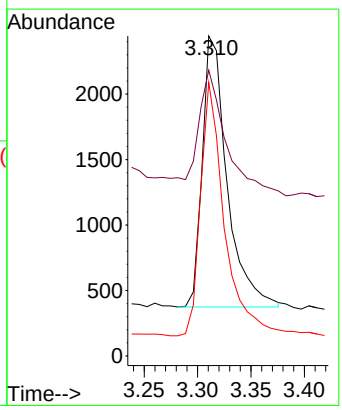


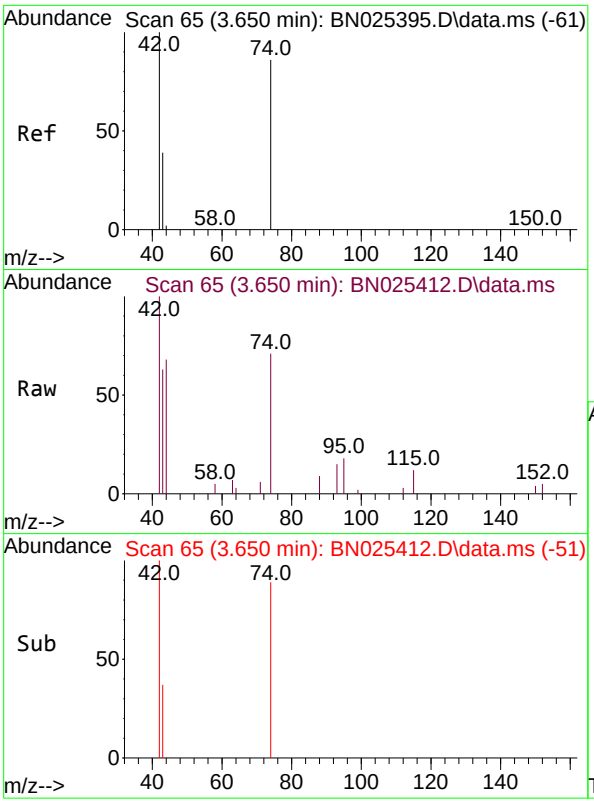


#2
1,4-Dioxane
Concen: 0.439 ng
RT: 3.310 min Scan# 18
Delta R.T. -0.007 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion: 88 Resp: 3347

Ion	Ratio	Lower	Upper
88	100		
43	48.0	37.4	56.2
58	89.8	71.5	107.3



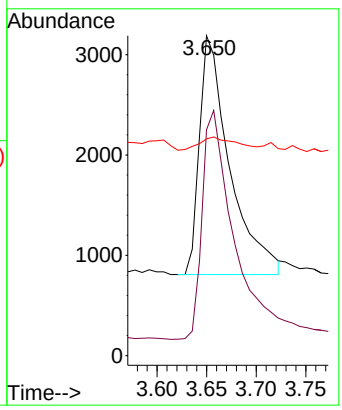


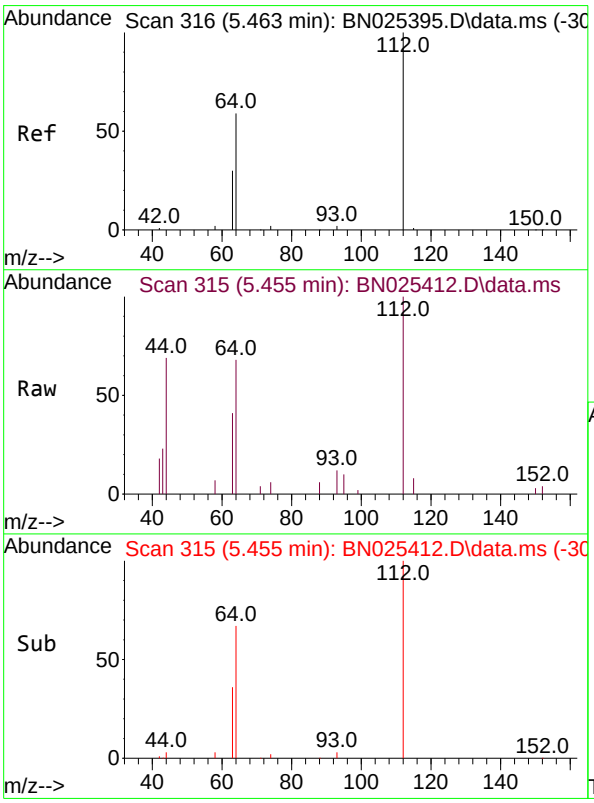
#3
n-Nitrosodimethylamine
Concen: 0.412 ng
RT: 3.650 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 5034

Ion	Ratio	Lower	Upper
42	100		
74	99.9	82.2	123.4
44	6.5	7.8	11.8#

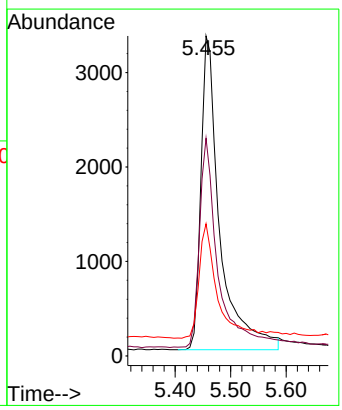


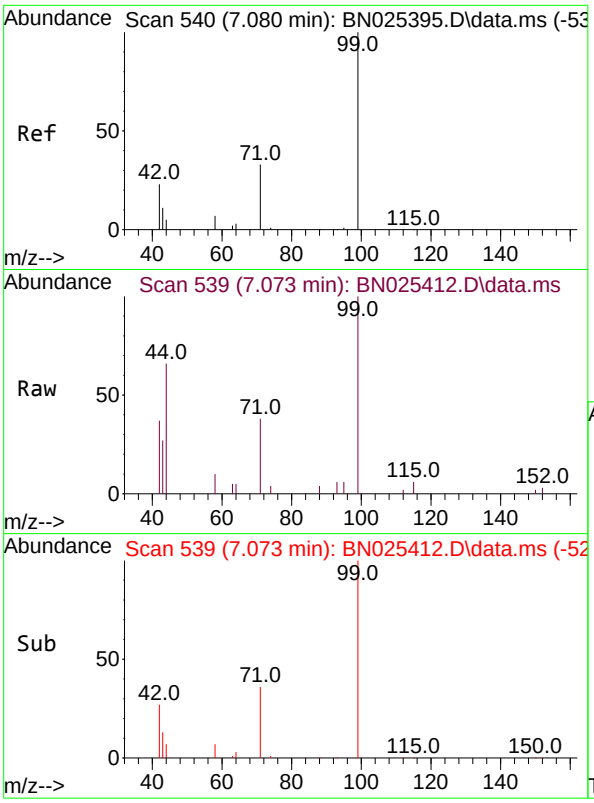


#4
2-Fluorophenol
Concen: 0.413 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:112 Resp: 7897

Ion	Ratio	Lower	Upper
112	100		
64	65.4	51.9	77.9
63	35.3	27.4	41.2



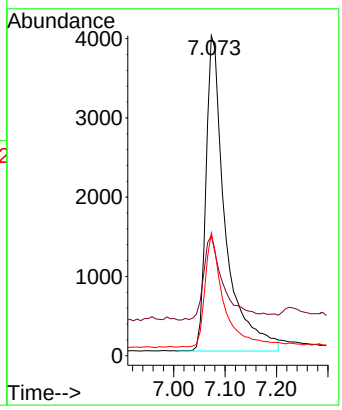


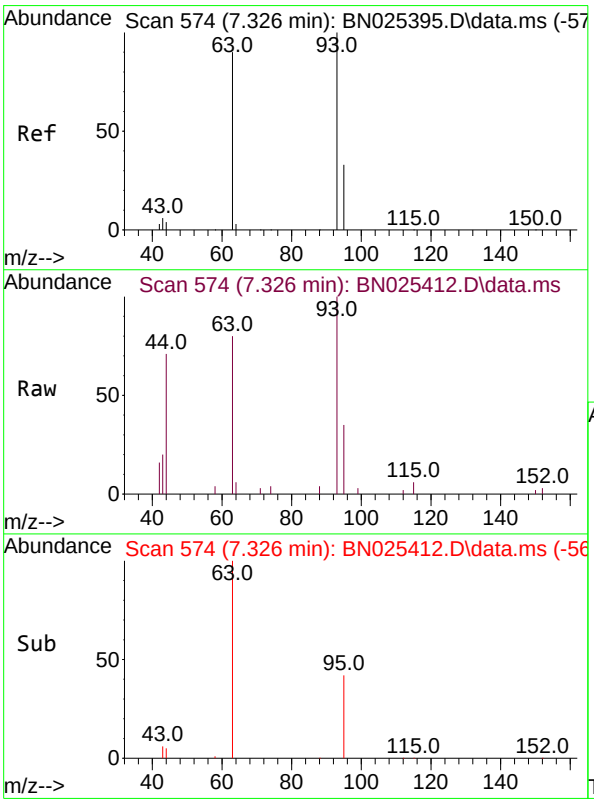
#5
Phenol-d6
Concen: 0.399 ng
RT: 7.073 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 10382

Ion	Ratio	Lower	Upper
99	100		
42	28.4	23.5	35.3
71	34.8	28.1	42.1

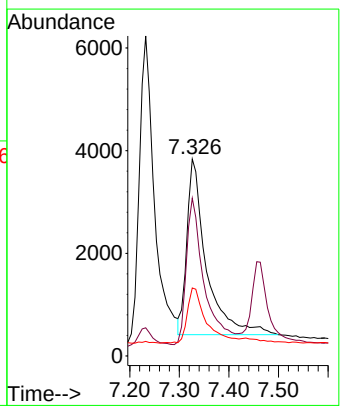


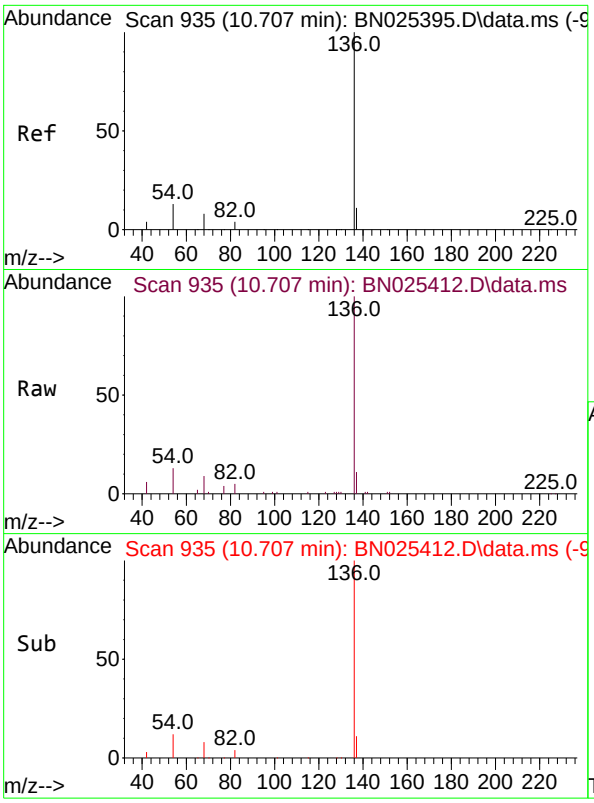


#6
bis(2-Chloroethyl)ether
Concen: 0.468 ng
RT: 7.326 min Scan# 574
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion: 93 Resp: 9295

Ion	Ratio	Lower	Upper
93	100		
63	76.4	71.3	106.9
95	30.4	31.0	46.4#



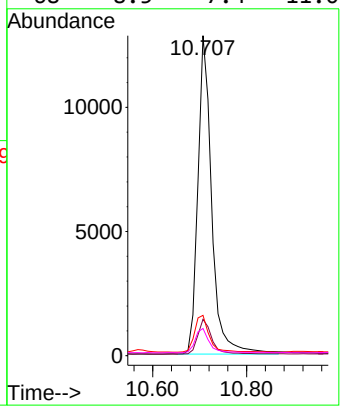


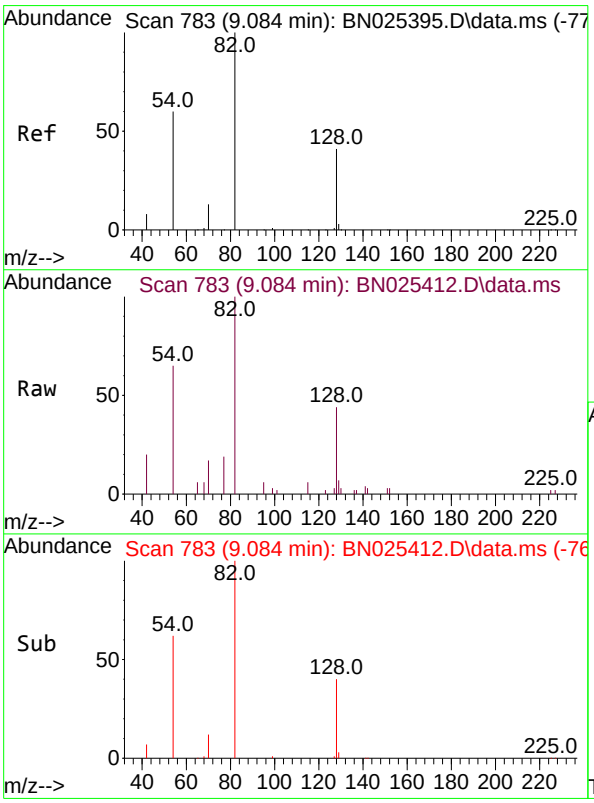
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 26312

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	12.6	11.2	16.8
68	8.5	7.4	11.0

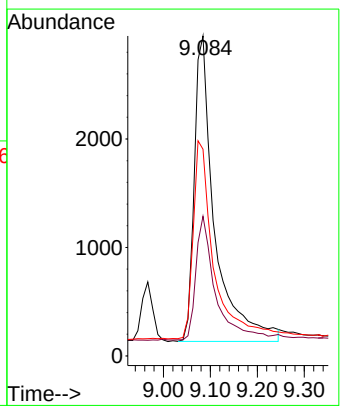


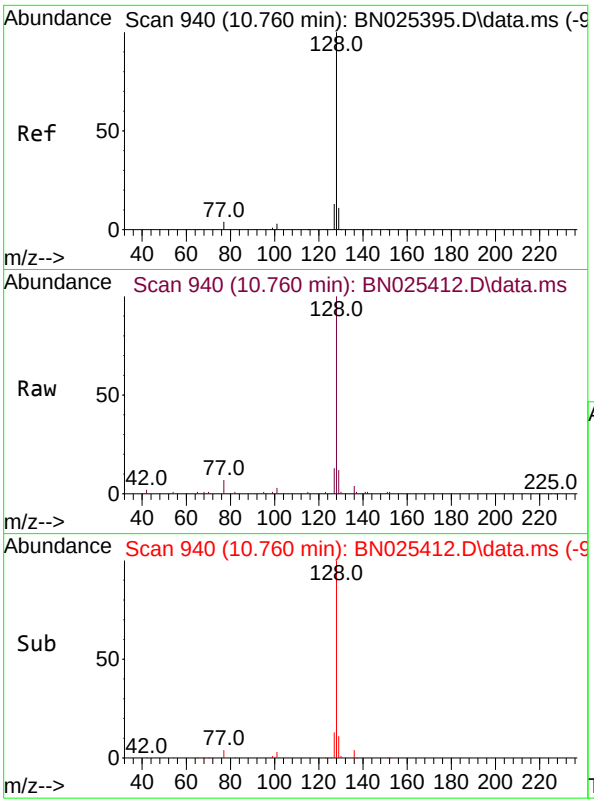


#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 9.084 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion: 82 Resp: 8513

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.8	53.8
54	64.6	50.4	75.6



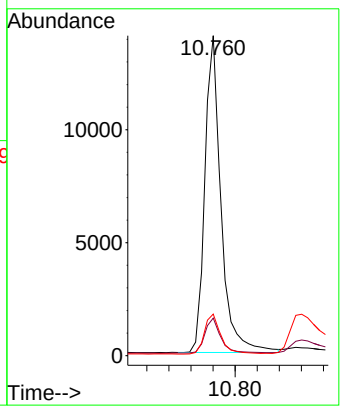


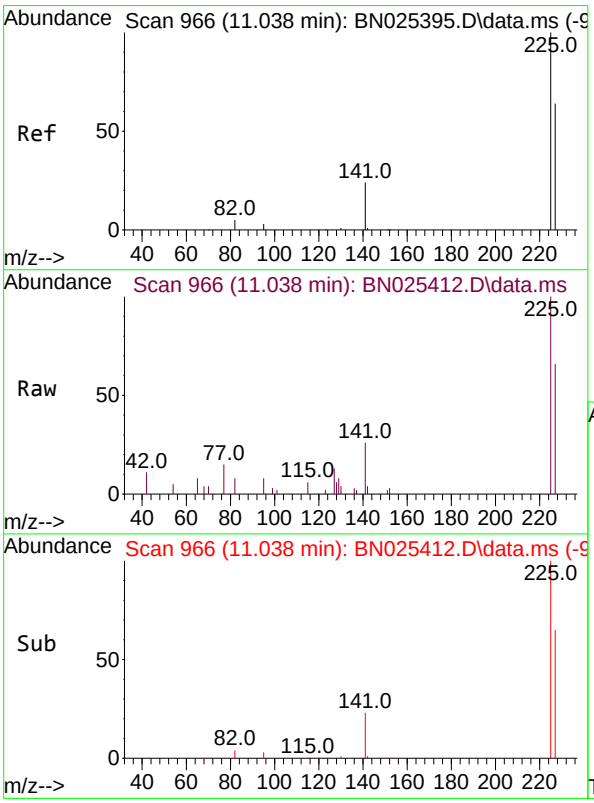
#9
Naphthalene
Concen: 0.431 ng
RT: 10.760 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 28552

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.0	10.8	16.2

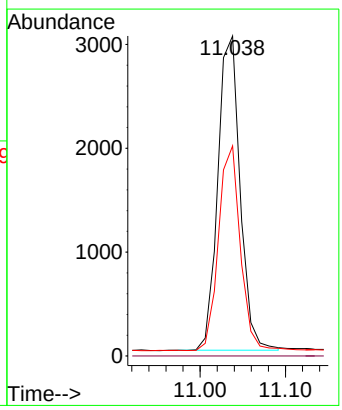


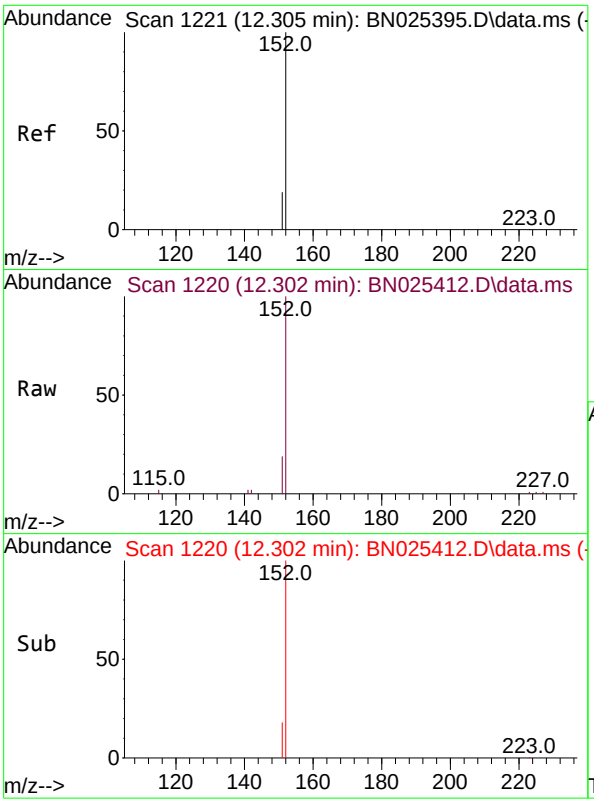


#10
Hexachlorobutadiene
Concen: 0.426 ng
RT: 11.038 min Scan# 966
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:225 Resp: 5479

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.8	76.2



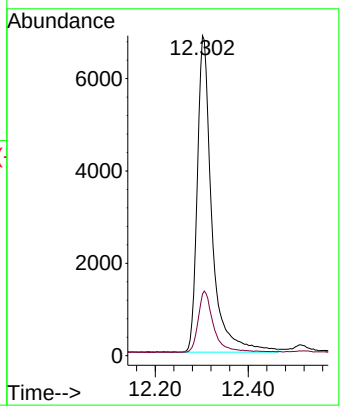


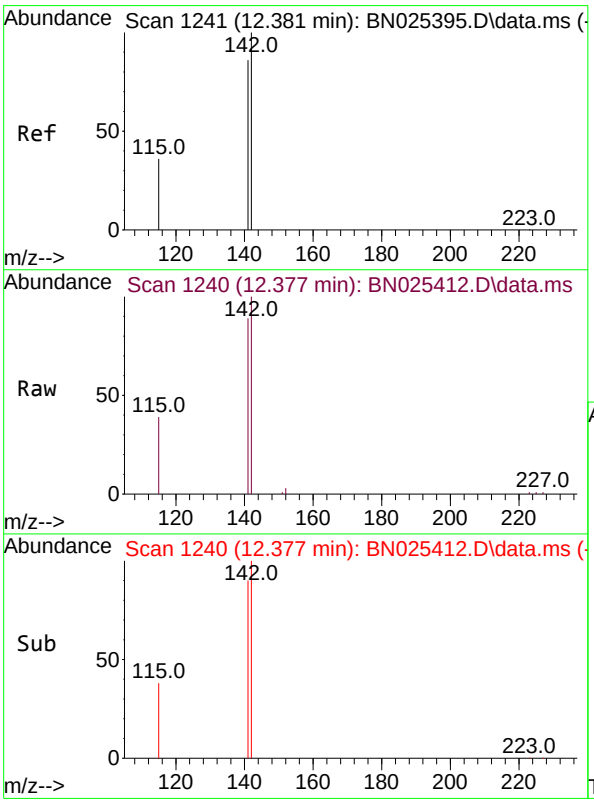
#11
2-Methylnaphthalene-d10
Concen: 0.429 ng
RT: 12.302 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 14877

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1

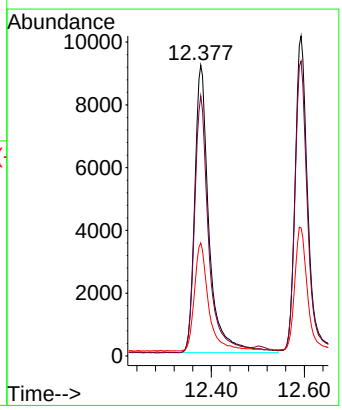


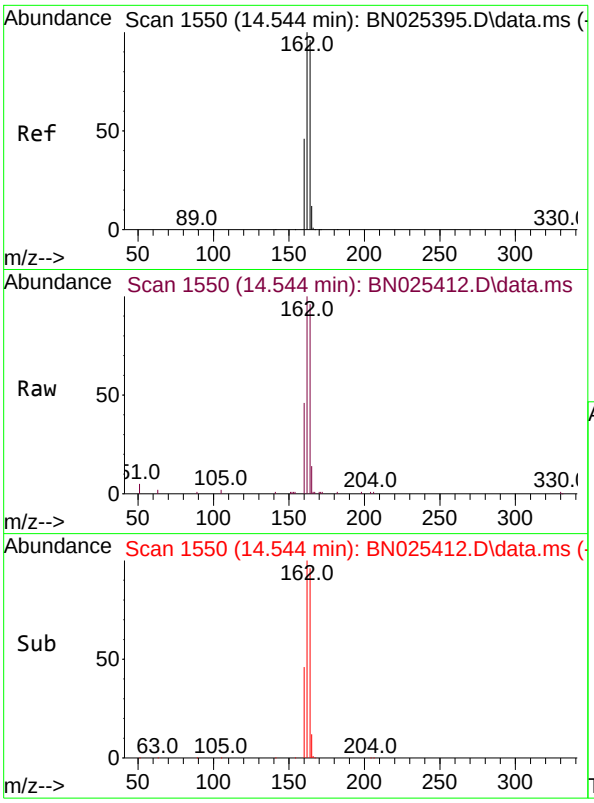


#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 12.377 min Scan# 1240
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:142 Resp: 19595

Ion	Ratio	Lower	Upper
142	100		
141	89.4	69.3	103.9
115	38.9	30.2	45.4



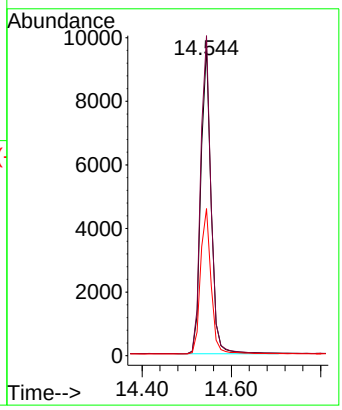


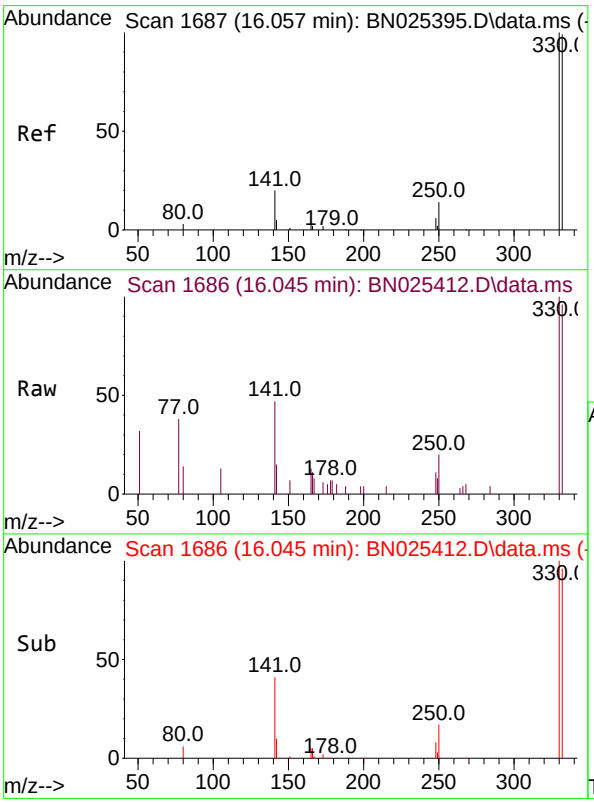
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 15283

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.2	124.8
160	47.7	38.8	58.2

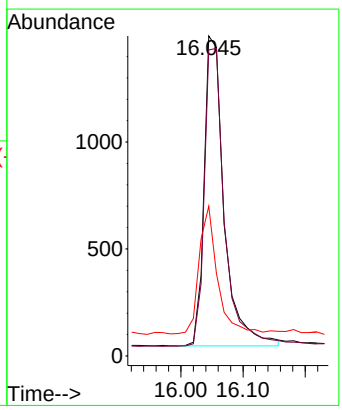


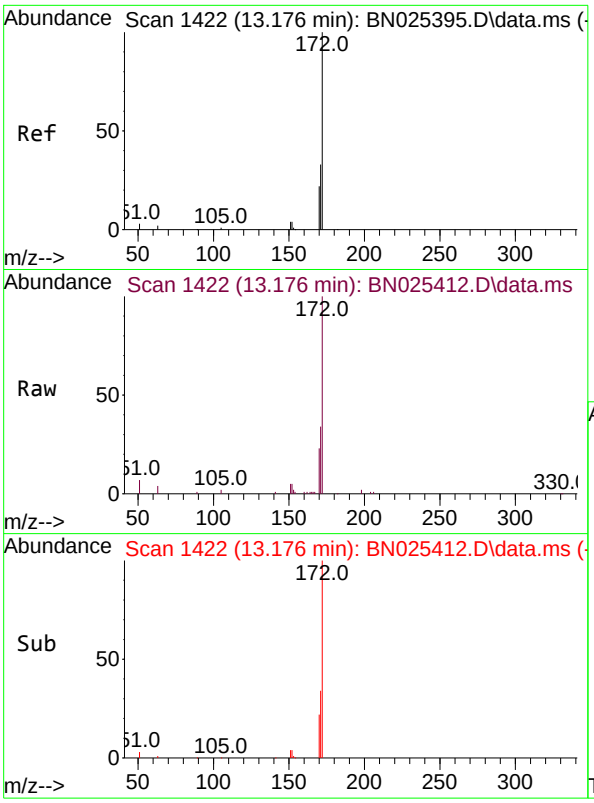


#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:330 Resp: 3247

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	38.3	30.2	45.2



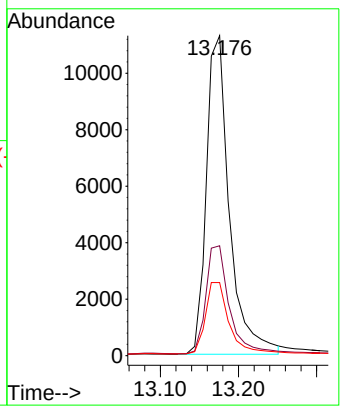


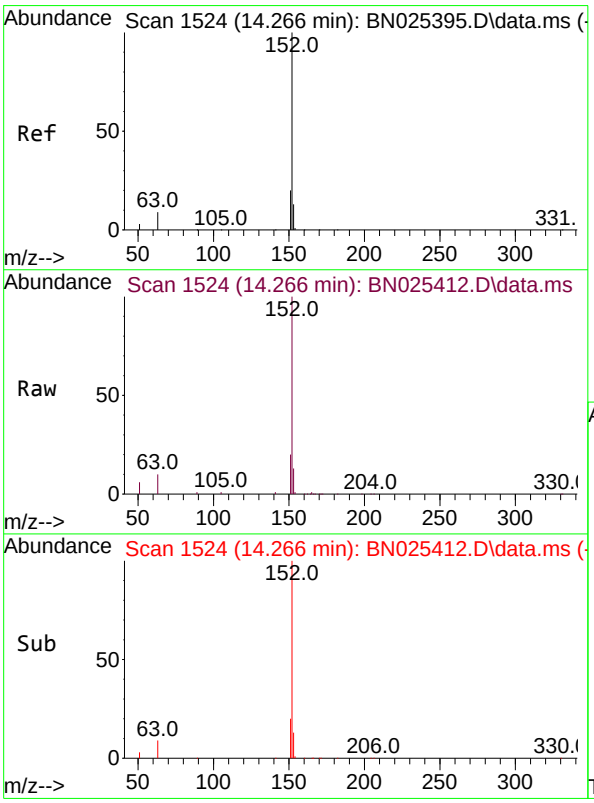
#15
2-Fluorobiphenyl
Concen: 0.435 ng
RT: 13.176 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 23063

Ion	Ratio	Lower	Upper
172	100		
171	34.3	26.7	40.1
170	22.8	17.8	26.8

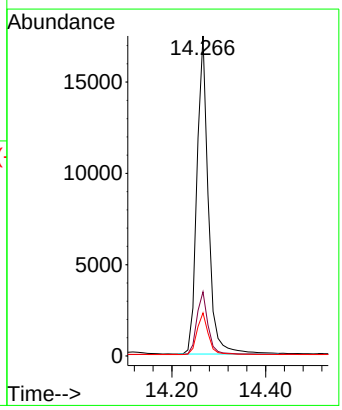


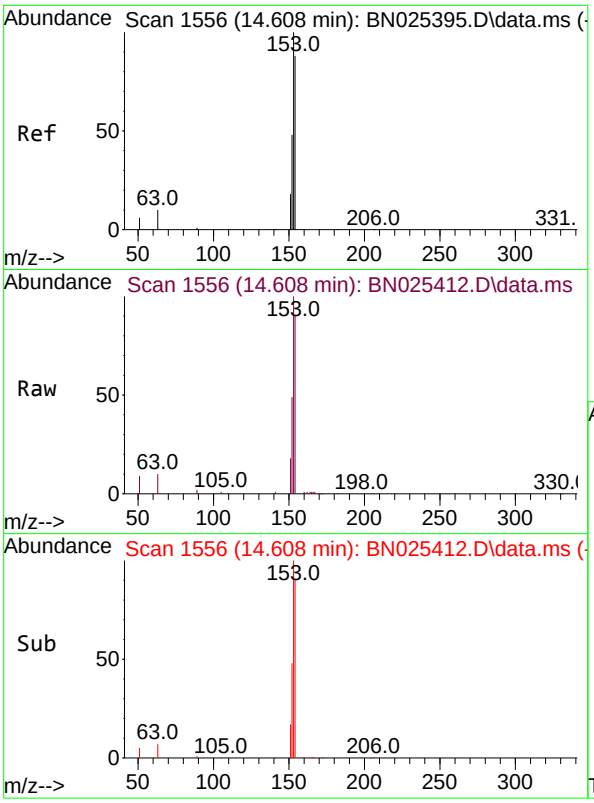


#16
Acenaphthylene
Concen: 0.415 ng
RT: 14.266 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:152 Resp: 29445

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.3	10.7	16.1



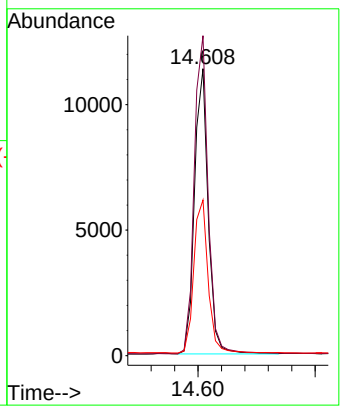


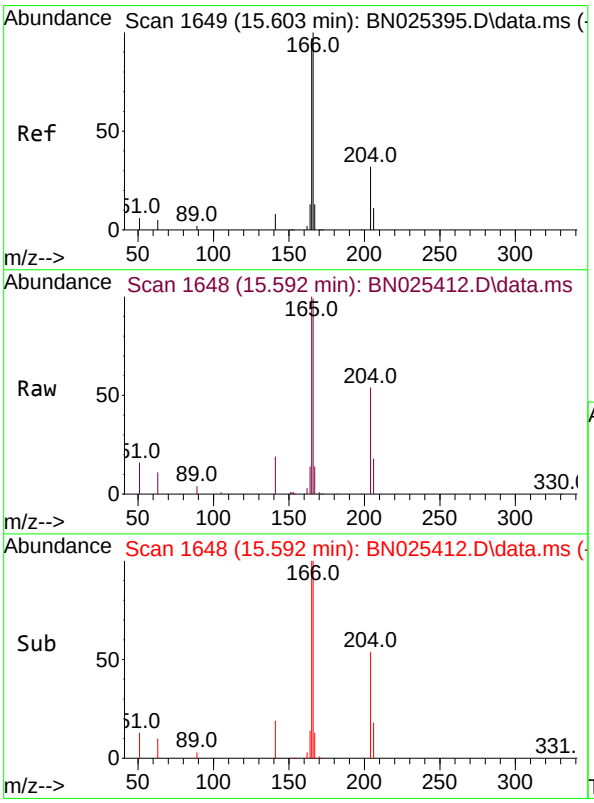
#17
Acenaphthene
Concen: 0.439 ng
RT: 14.608 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 18457

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.7	137.5
152	56.2	44.6	66.8

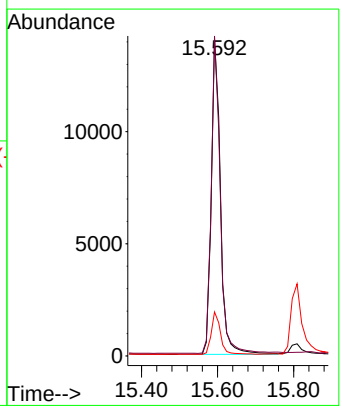


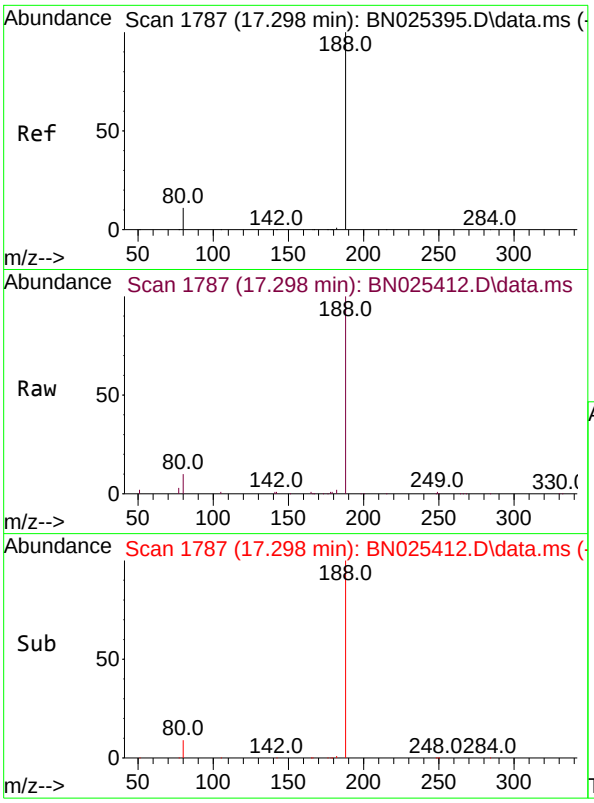


#18
Fluorene
Concen: 0.433 ng
RT: 15.592 min Scan# 1648
Delta R.T. -0.011 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:166 Resp: 24110

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.7	118.1
167	13.2	10.7	16.1



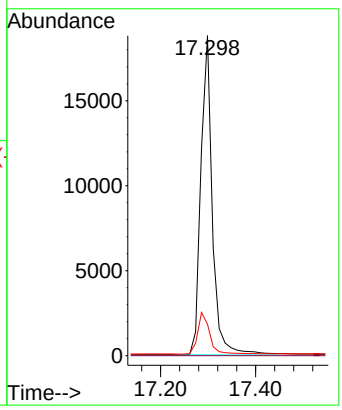


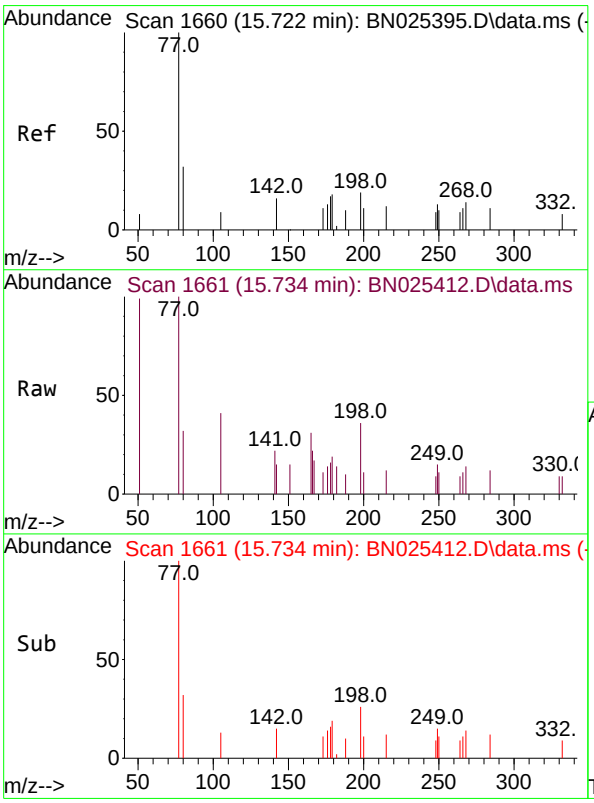
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 31666

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	9.4	14.2

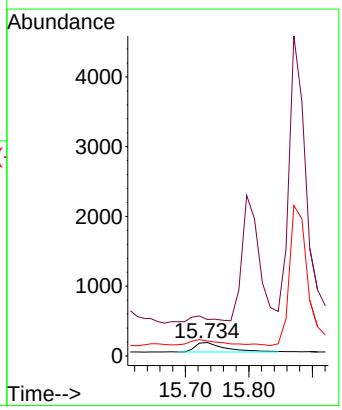


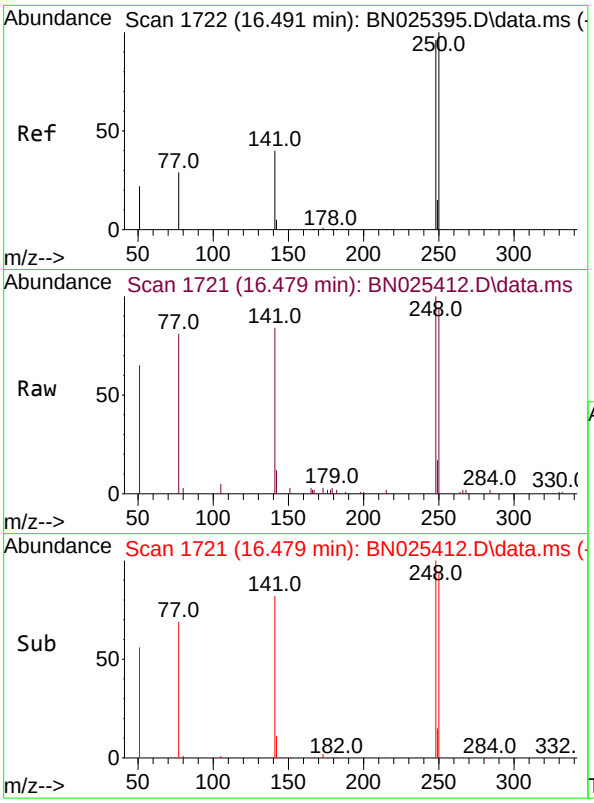


#20
4,6-Dinitro-2-methylphenol
Concen: 0.426 ng
RT: 15.734 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:198 Resp: 431

Ion	Ratio	Lower	Upper
198	100		
51	271.0	259.2	388.8
105	111.4	112.6	168.8#



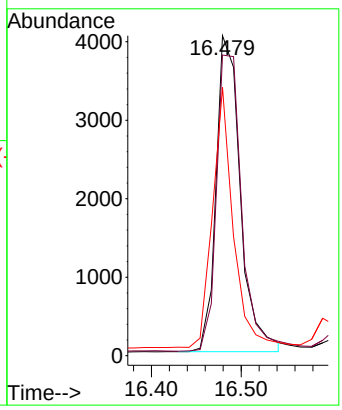


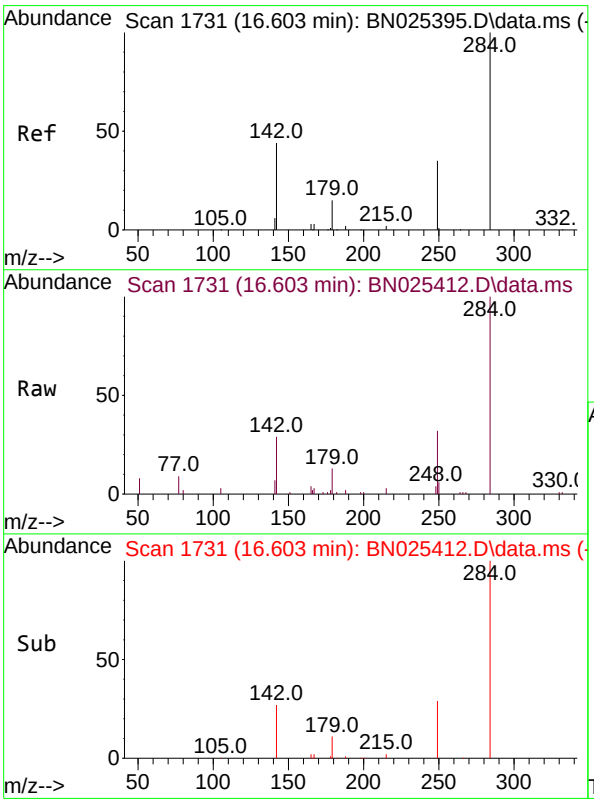
#21
4-Bromophenyl-phenylether
Concen: 0.424 ng
RT: 16.479 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 7575

Ion	Ratio	Lower	Upper
248	100		
250	93.9	83.1	124.7
141	83.9	35.0	52.6#

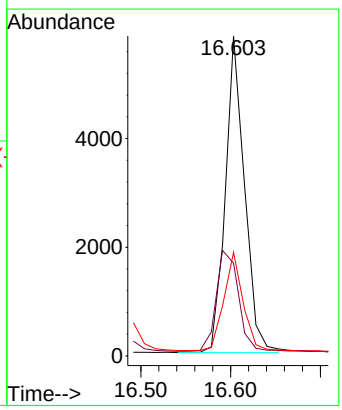


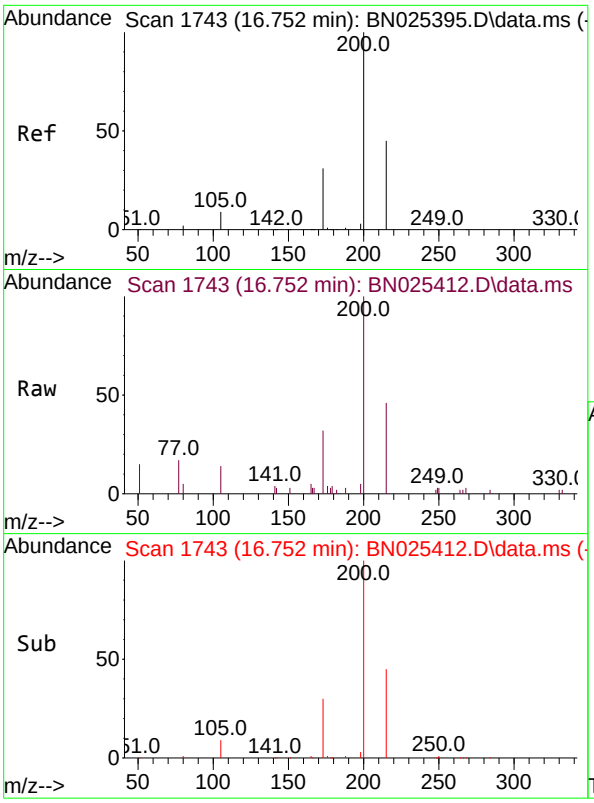


#22
Hexachlorobenzene
Concen: 0.439 ng
RT: 16.603 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:284 Resp: 8655

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.7	44.5
249	30.7	24.7	37.1



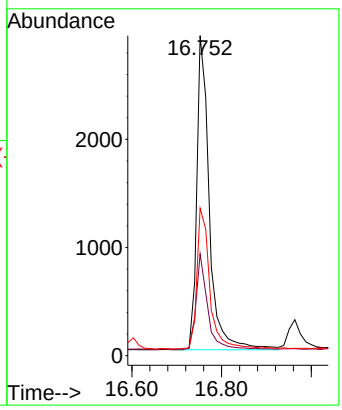


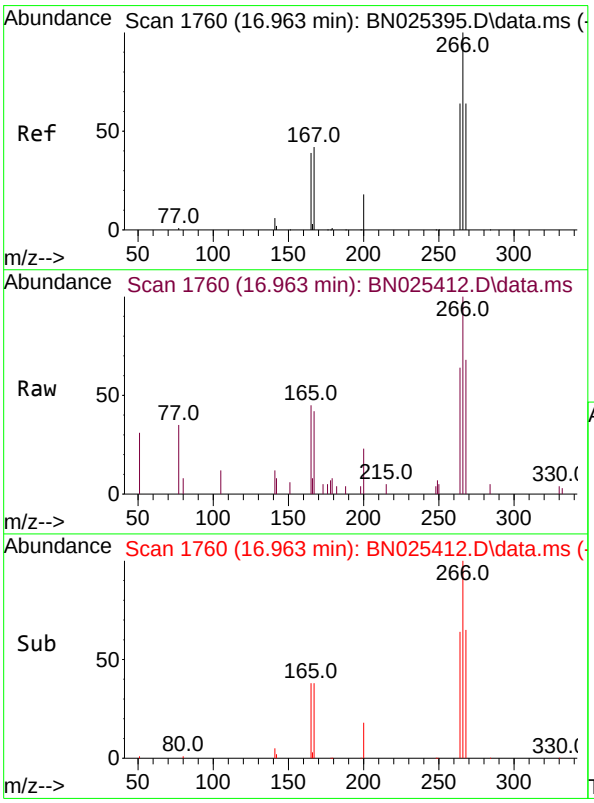
#23
Atrazine
Concen: 0.390 ng
RT: 16.752 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 5651

Ion	Ratio	Lower	Upper
200	100		
173	31.8	26.5	39.7
215	46.1	37.0	55.4

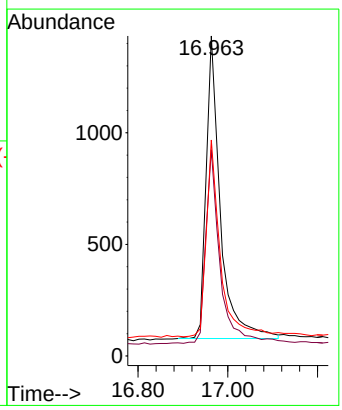


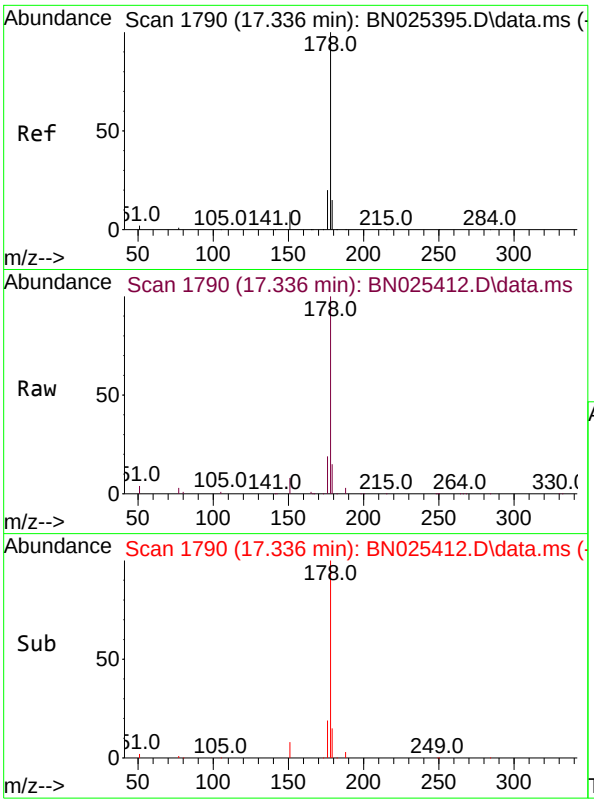


#24
Pentachlorophenol
Concen: 0.374 ng
RT: 16.963 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:266 Resp: 2984

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.1	75.1
268	63.7	49.3	73.9



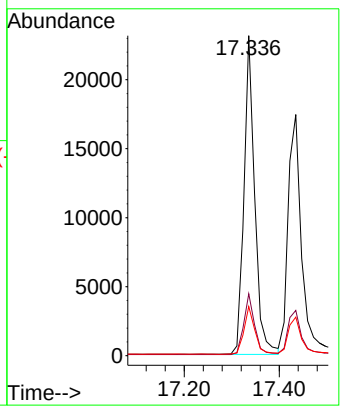


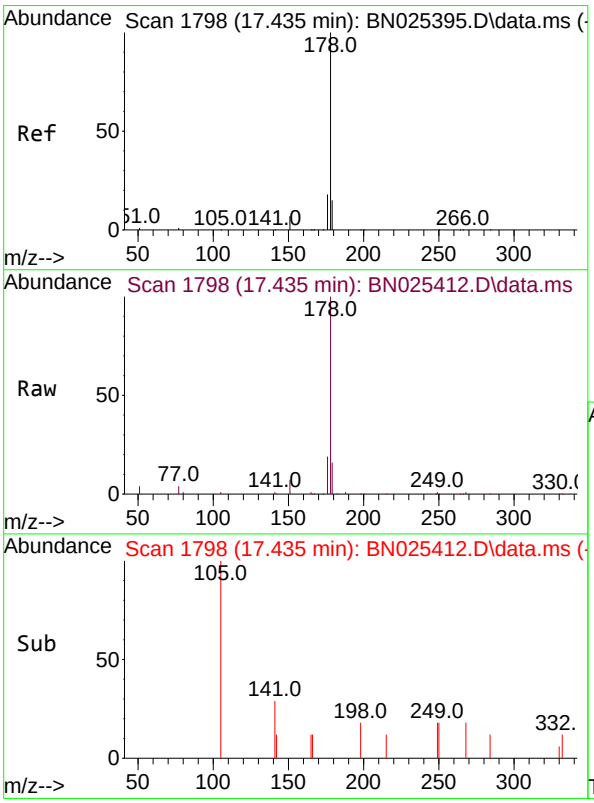
#25
Phenanthrene
Concen: 0.426 ng
RT: 17.336 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 36493

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.1	18.1

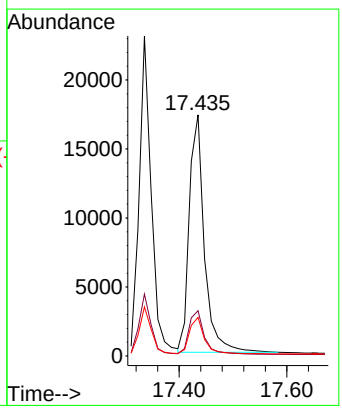


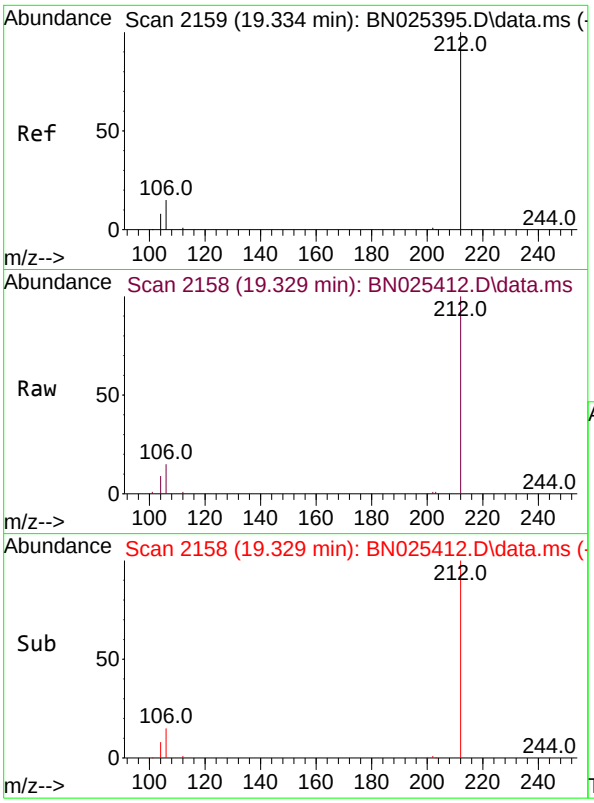


#26
Anthracene
Concen: 0.404 ng
RT: 17.435 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:178 Resp: 33561

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.2	12.0	18.0



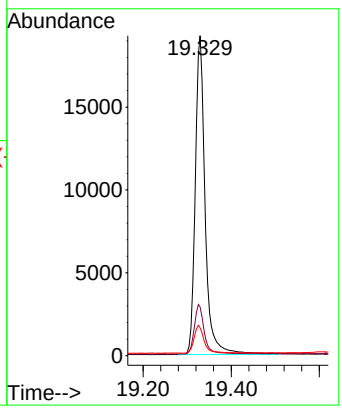


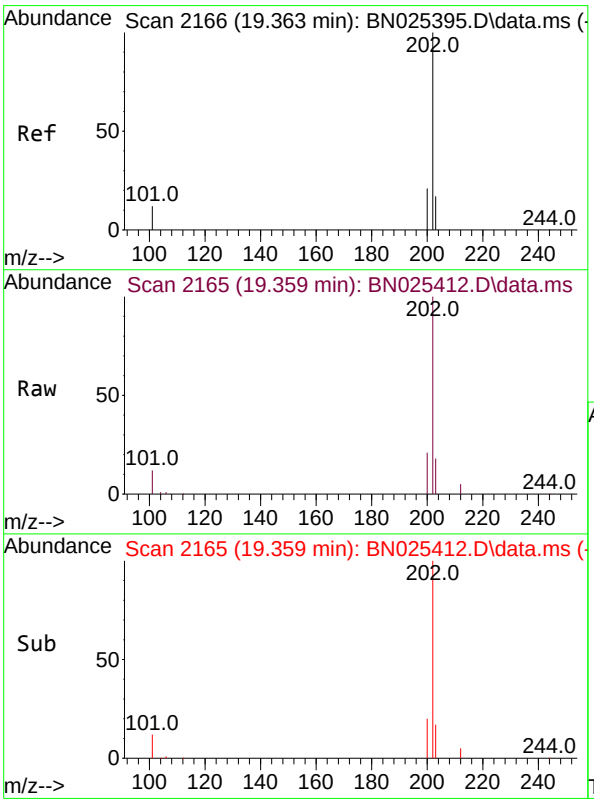
#27
Fluoranthene-d10
Concen: 0.414 ng
RT: 19.329 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 29992

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.6	19.0
104	9.0	7.0	10.4

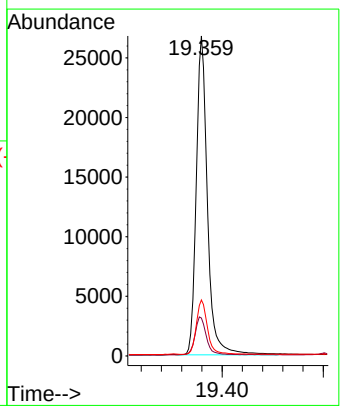


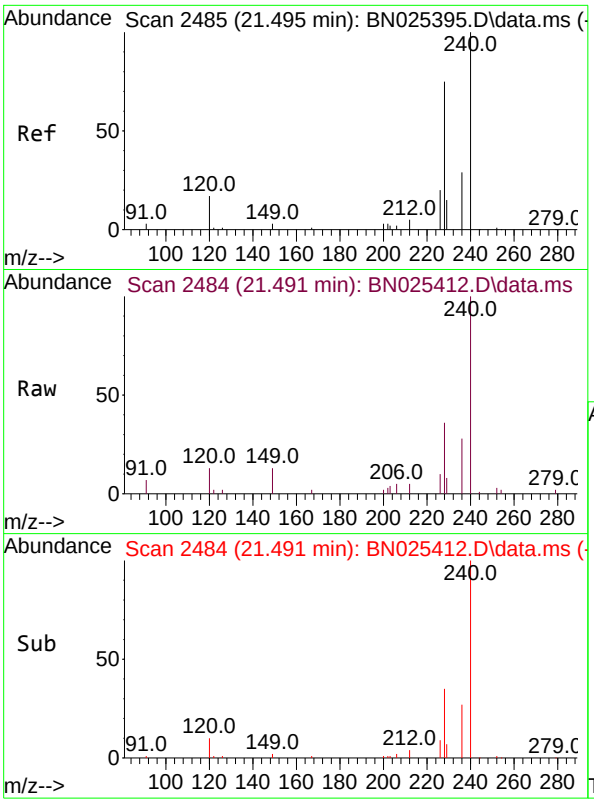


#28
Fluoranthene
Concen: 0.413 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:202 Resp: 41014

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.8
203	17.2	13.8	20.6



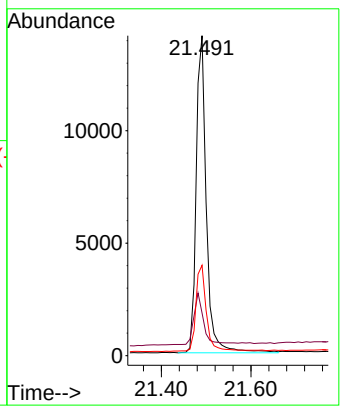


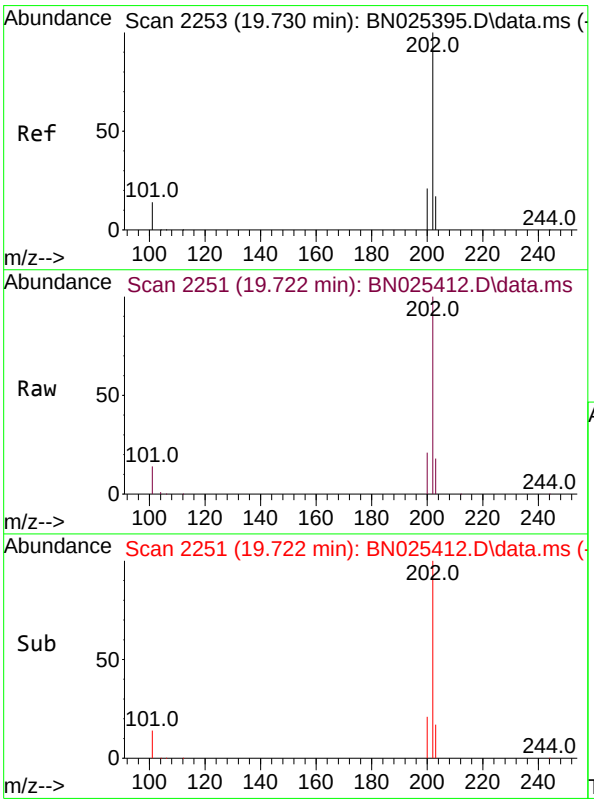
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 22223

Ion	Ratio	Lower	Upper
240	100		
120	13.4	19.0	28.6#
236	28.3	25.0	37.6

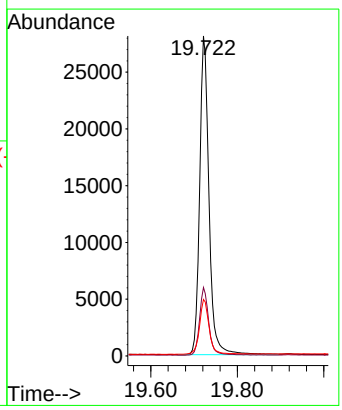


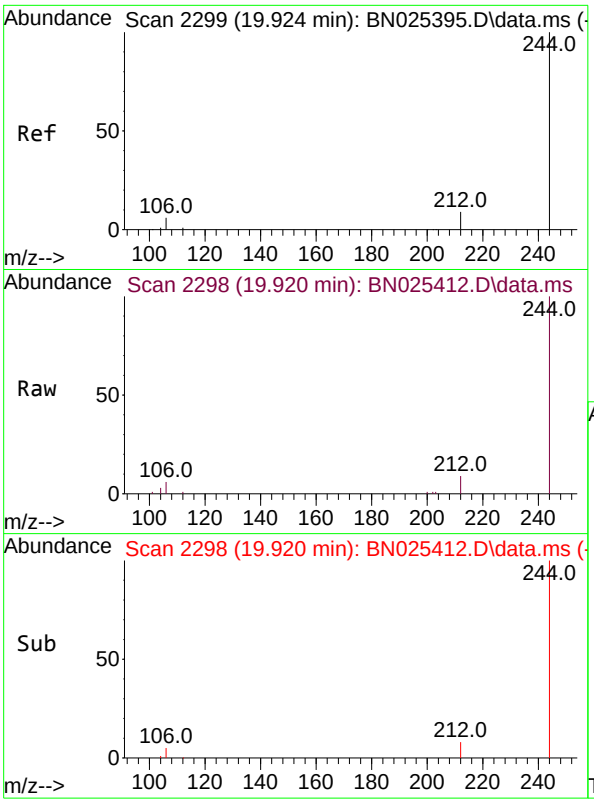


#30
Pyrene
Concen: 0.448 ng
RT: 19.722 min Scan# 2251
Delta R.T. -0.008 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:202 Resp: 41933

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.8	14.4	21.6



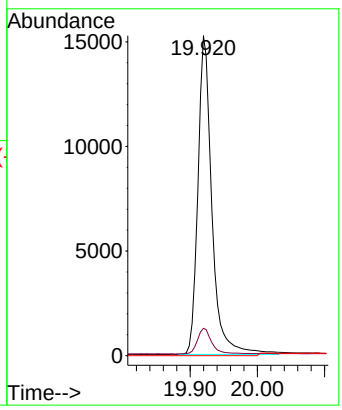


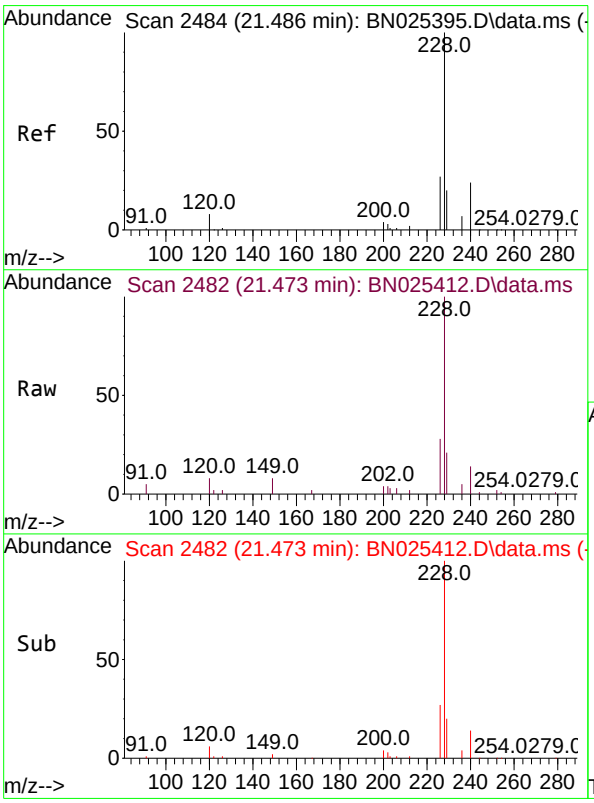
#31
Terphenyl-d14
Concen: 0.451 ng
RT: 19.920 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 24159

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.5	11.3
122	0.0	0.0	0.0

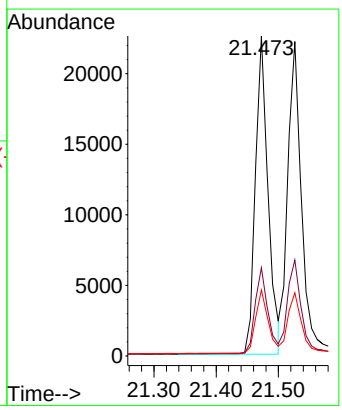


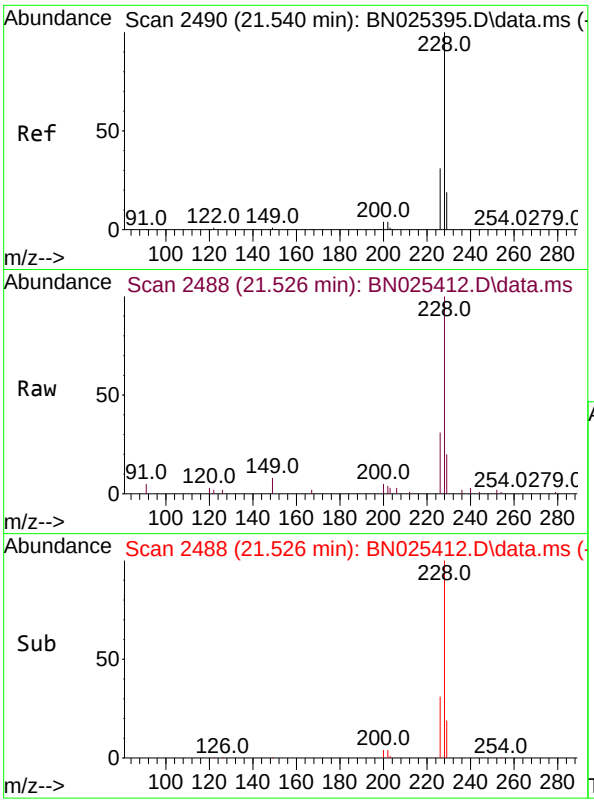


#32
Benzo(a)anthracene
Concen: 0.421 ng
RT: 21.473 min Scan# 2482
Delta R.T. -0.013 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:228 Resp: 31891

Ion	Ratio	Lower	Upper
228	100		
226	27.6	23.2	34.8
229	20.6	18.2	27.2



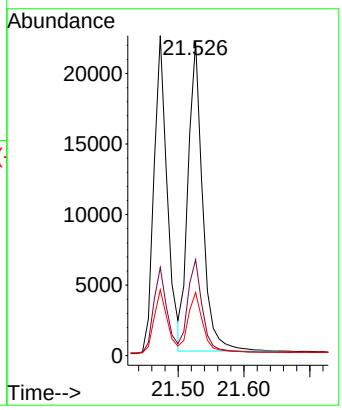


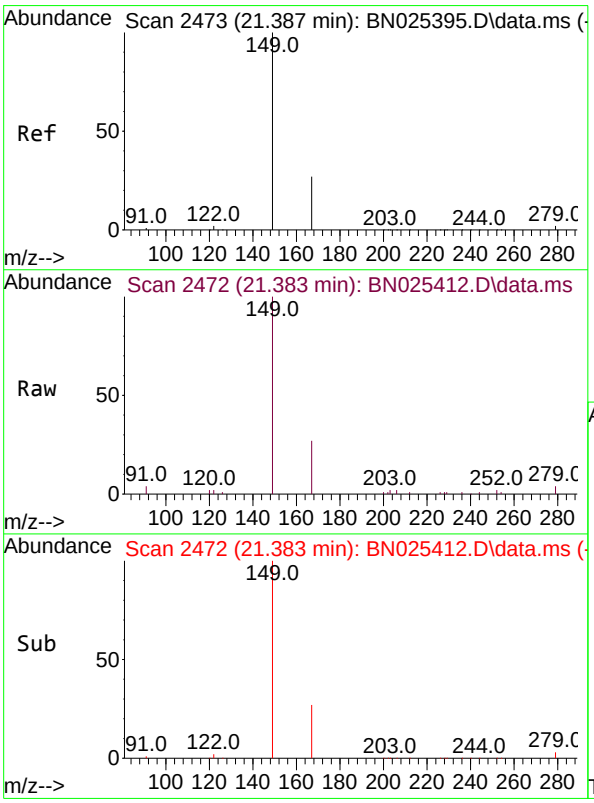
#33
Chrysene
Concen: 0.456 ng
RT: 21.526 min Scan# 24
Delta R.T. -0.013 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 33577

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.8	38.6
229	20.1	17.9	26.9

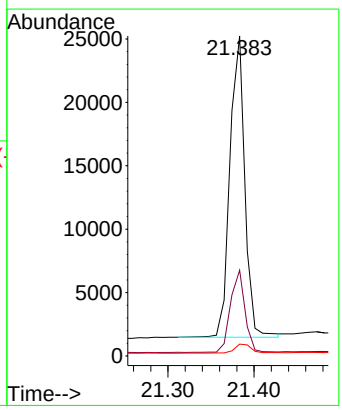


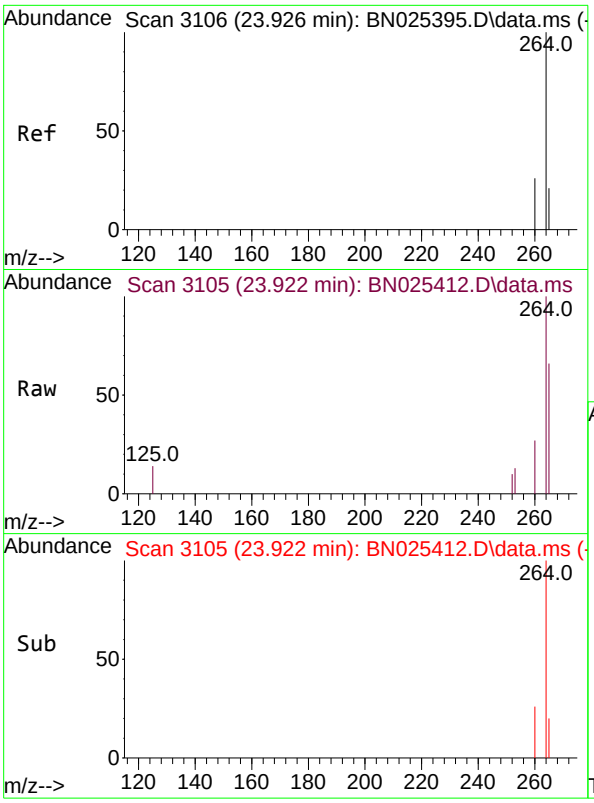


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.392 ng
RT: 21.383 min Scan# 2472
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:149 Resp: 28617

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.7	32.5
279	3.8	3.0	4.4



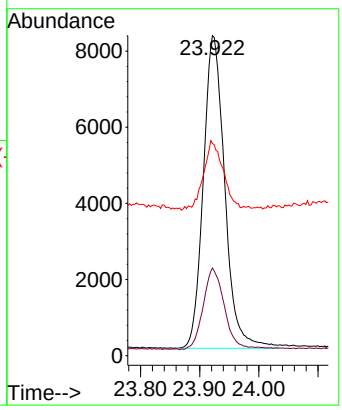


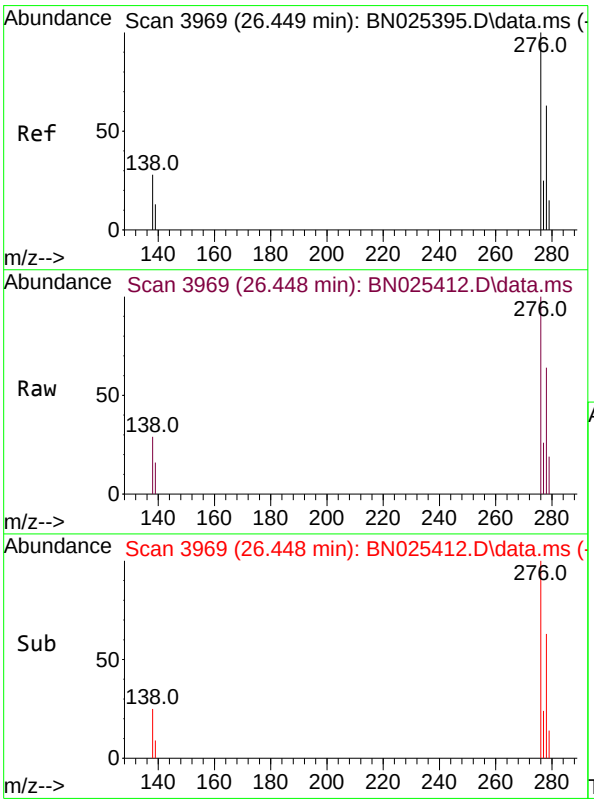
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.922 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 20715

Ion	Ratio	Lower	Upper
264	100		
260	27.4	23.5	35.3
265	66.3	50.9	76.3

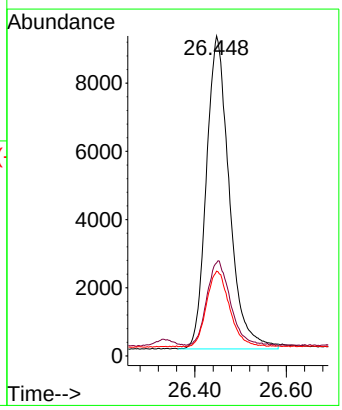


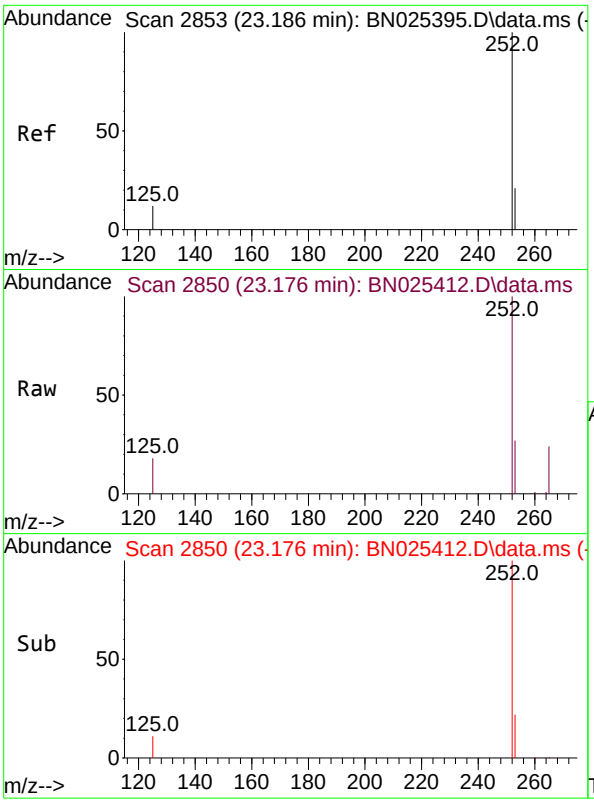


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.419 ng
RT: 26.448 min Scan# 3969
Delta R.T. -0.001 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:276 Resp: 31930

Ion	Ratio	Lower	Upper
276	100		
138	27.5	22.7	34.1
277	24.1	20.2	30.4



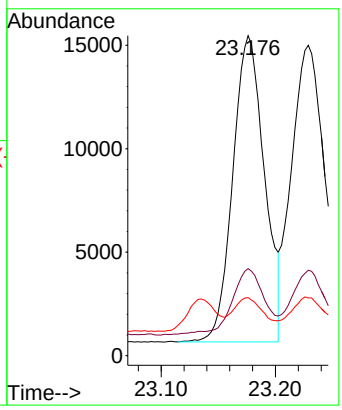


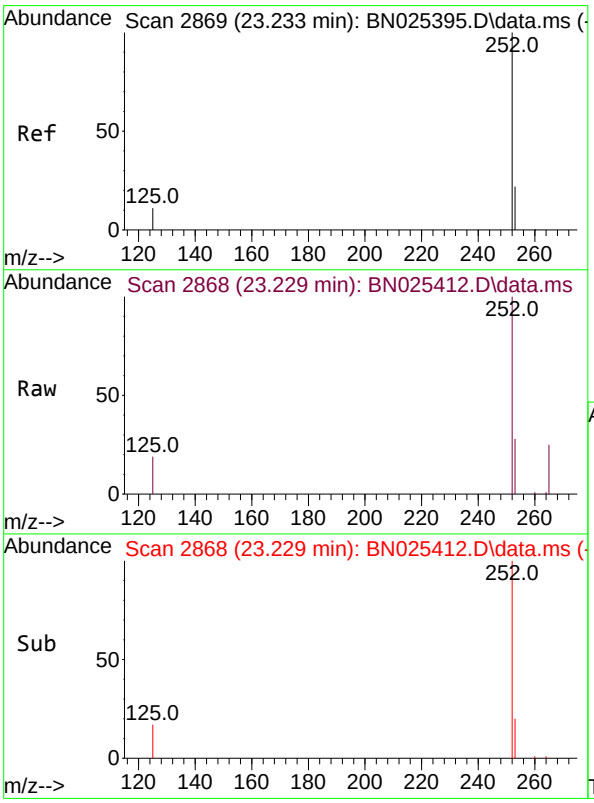
#37
Benzo(b)fluoranthene
Concen: 0.419 ng
RT: 23.176 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 28454

Ion	Ratio	Lower	Upper
252	100		
253	27.2	23.4	35.0
125	18.2	19.8	29.8#

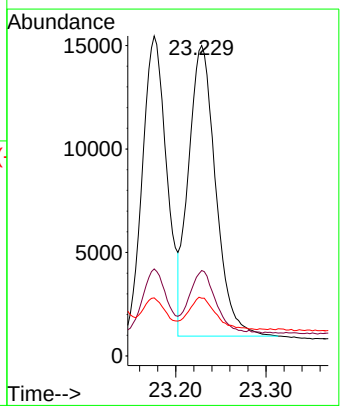


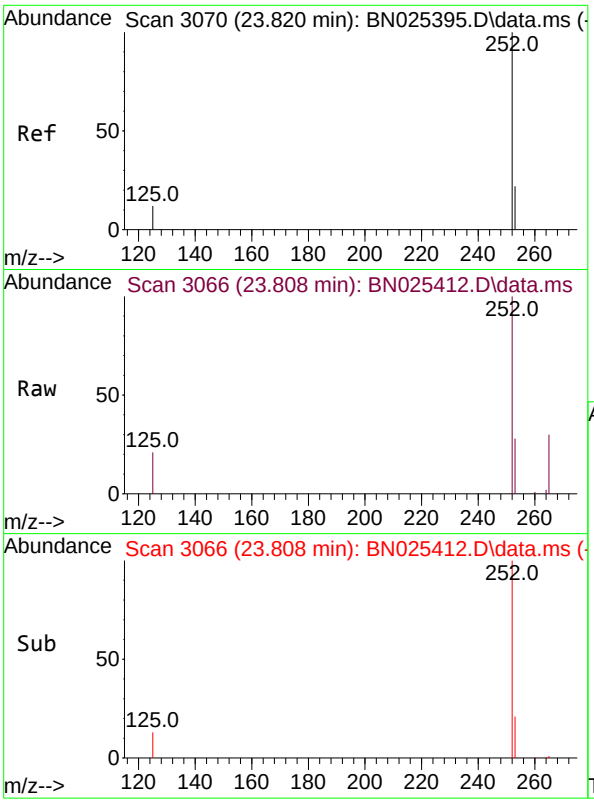


#38
Benzo(k)fluoranthene
Concen: 0.422 ng
RT: 23.229 min Scan# 2868
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:252 Resp: 29476

Ion	Ratio	Lower	Upper
252	100		
253	27.5	23.6	35.4
125	18.6	20.2	30.2#



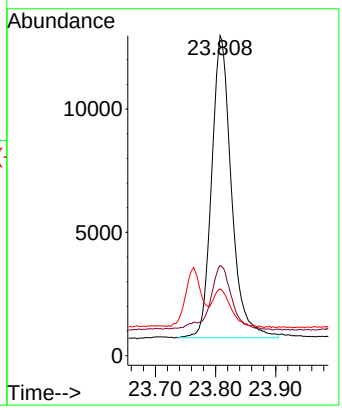


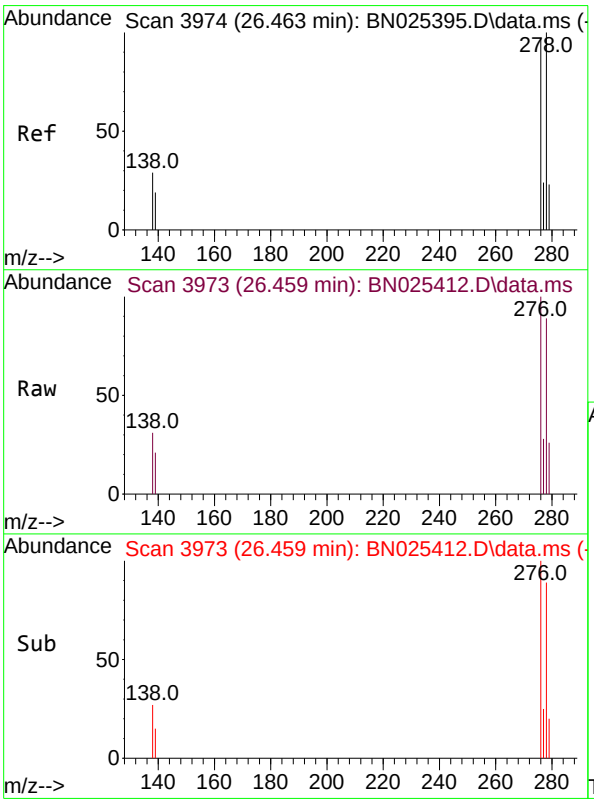
#39
Benzo(a)pyrene
Concen: 0.422 ng
RT: 23.808 min Scan# 3
Delta R.T. -0.013 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 27953

Ion	Ratio	Lower	Upper
252	100		
253	28.1	25.4	38.2
125	20.9	23.5	35.3#

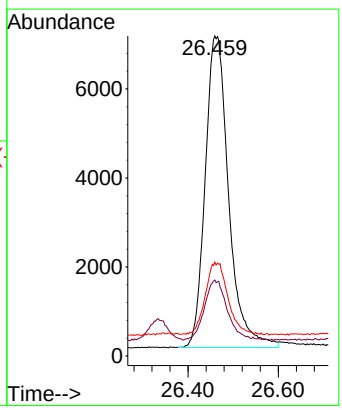


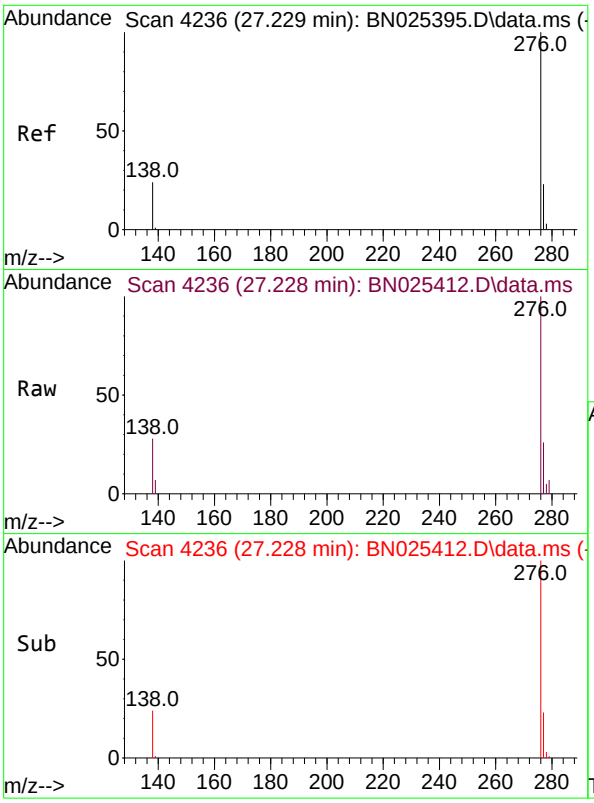


#40
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 26.459 min Scan# 3973
Delta R.T. -0.004 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Tgt Ion:278 Resp: 25294

Ion	Ratio	Lower	Upper
278	100		
139	23.7	23.8	35.8#
279	29.3	26.0	39.0





#41
Benzo(g,h,i)perylene
Concen: 0.419 ng
RT: 27.228 min Scan# 4
Delta R.T. -0.001 min
Lab File: BN025412.D
Acq: 11 May 2023 22:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 26891

Ion	Ratio	Lower	Upper
276	100		
277	25.9	23.5	35.3
138	27.9	24.7	37.1