Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051123\
Data File : BN025397.D
Acq On : 11 May 2023 12:50
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: May 12 00:54:18 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 00:52:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.897	152	9058	0.400	ng		0.00
7) Naphthalene-d8	10.707	136	26592	0.400	ng		0.00
13) Acenaphthene-d10	14.544	164	16507	0.400	ng		0.00
19) Phenanthrene-d10	17.298	188	33082	0.400	ng	#	0.00
29) Chrysene-d12	21.486	240	25116	0.400	ng		0.00
35) Perylene-d12	23.914	264	22550	0.400	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.455	112	37573	1.790	ng		0.00
5) Phenol-d6	7.066	99	54146	1.898	ng		-0.01
8) Nitrobenzene-d5	9.063	82	43605	2.029	ng		-0.02
11) 2-Methylnaphthalene-d10	12.298	152	67062	1.912	ng		0.00
14) 2,4,6-Tribromophenol	16.045	330	16300	1.850	ng		-0.01
15) 2-Fluorobiphenyl	13.165	172	105227	1.836	ng		-0.01
27) Fluoranthene-d10	19.330	212	137276	1.813	ng		0.00
31) Terphenyl-d14	19.920	244	108559	1.794	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	14619	1.747	ng		95
3) n-Nitrosodimethylamine	3.643	42	25896	1.929	ng	#	93
6) bis(2-Chloroethyl)ether	7.319	93	42812	1.965	ng		95
9) Naphthalene	10.761	128	120525	1.799	ng		99
10) Hexachlorobutadiene	11.038	225	24534	1.886	ng	#	100
12) 2-Methylnaphthalene	12.374	142	88741	1.916	ng		99
16) Acenaphthylene	14.266	152	139003	1.812	ng		99
17) Acenaphthene	14.609	154	81372	1.793	ng		100
18) Fluorene	15.592	166	108395	1.804	ng		100
20) 4,6-Dinitro-2-methylph...	15.710	198	4239	1.715	ng	#	1
21) 4-Bromophenyl-phenylether	16.479	248	34484	1.848	ng	#	85
22) Hexachlorobenzene	16.603	284	37119	1.803	ng		99
23) Atrazine	16.752	200	27910	1.844	ng		95
24) Pentachlorophenol	16.963	266	18555	1.736	ng		98
25) Phenanthrene	17.336	178	164207	1.834	ng		100
26) Anthracene	17.423	178	163371	1.881	ng		100
28) Fluoranthene	19.359	202	188136	1.813	ng		100
30) Pyrene	19.726	202	193020	1.823	ng		100
32) Benzo(a)anthracene	21.477	228	158730	1.854	ng		96
33) Chrysene	21.531	228	152001	1.828	ng		95
34) Bis(2-ethylhexyl)phtha...	21.379	149	141015	1.709	ng		99
36) Indeno(1,2,3-cd)pyrene	26.426	276	150416	1.814	ng		99
37) Benzo(b)fluoranthene	23.172	252	134101	1.814	ng	#	84
38) Benzo(k)fluoranthene	23.218	252	138541	1.821	ng	#	83
39) Benzo(a)pyrene	23.803	252	131492	1.825	ng	#	80
40) Dibenzo(a,h)anthracene	26.443	278	120866	1.829	ng	#	85
41) Benzo(g,h,i)perylene	27.203	276	126090	1.805	ng		91

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

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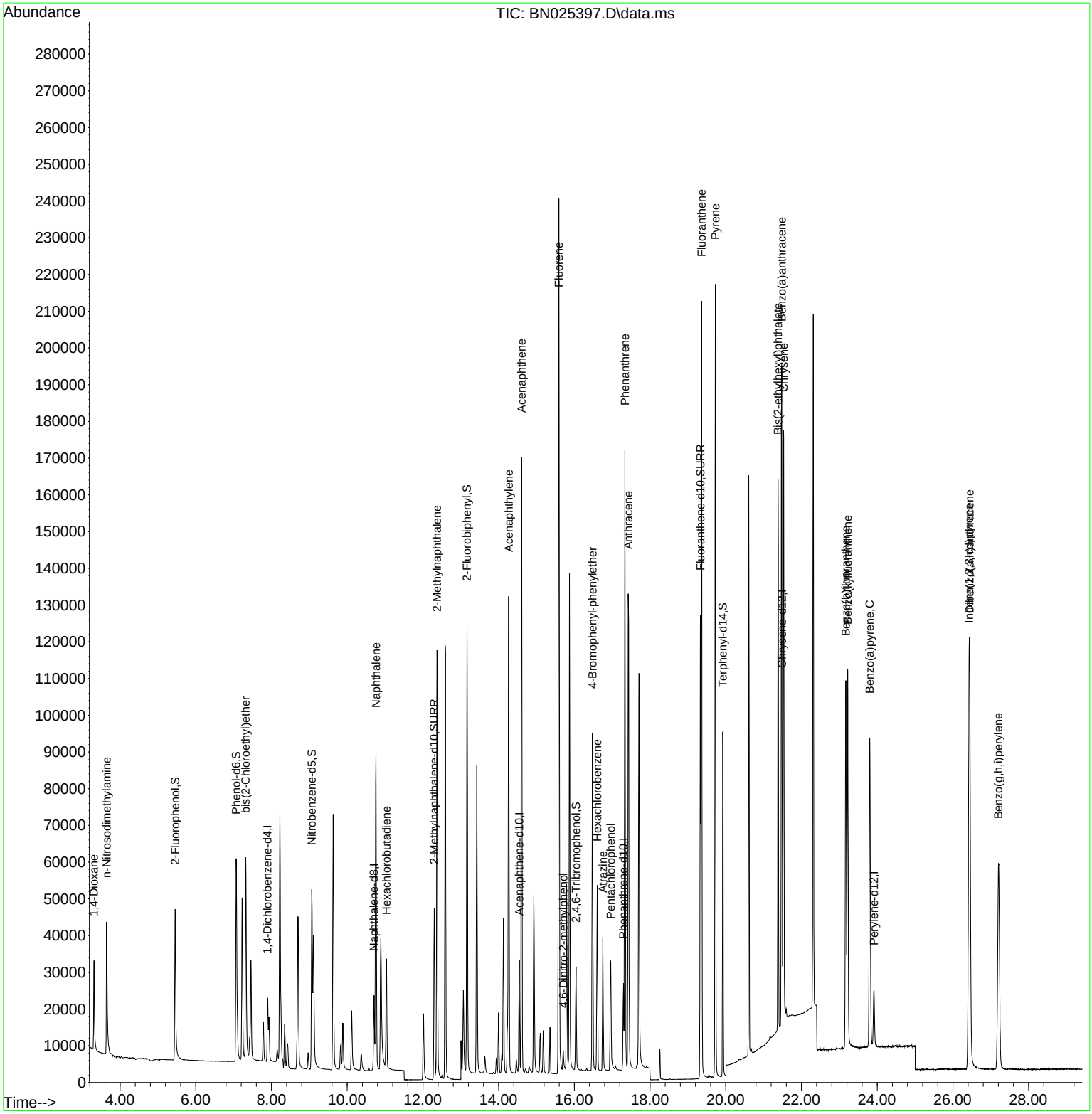
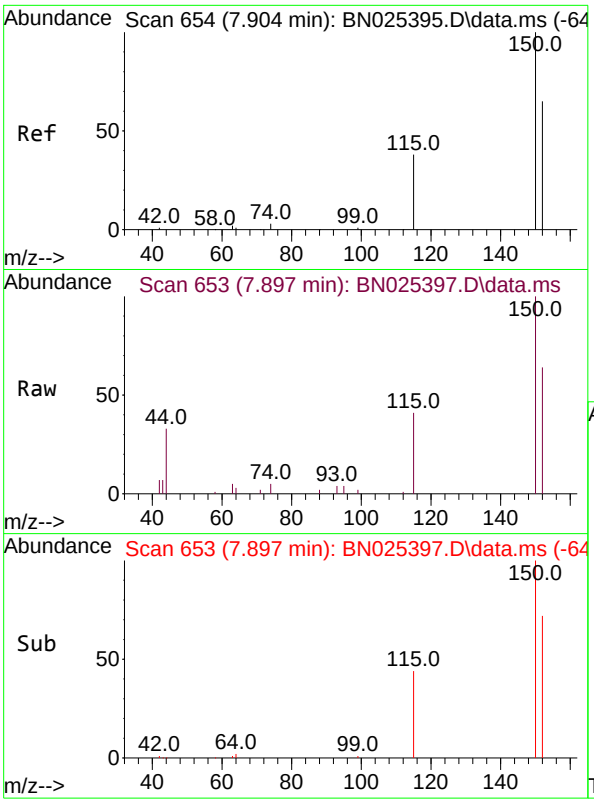


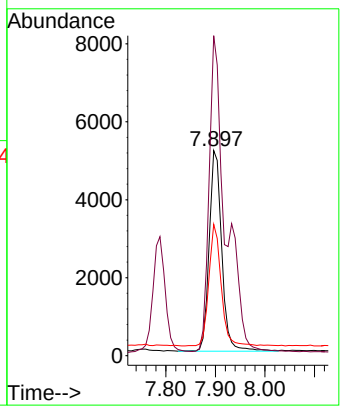


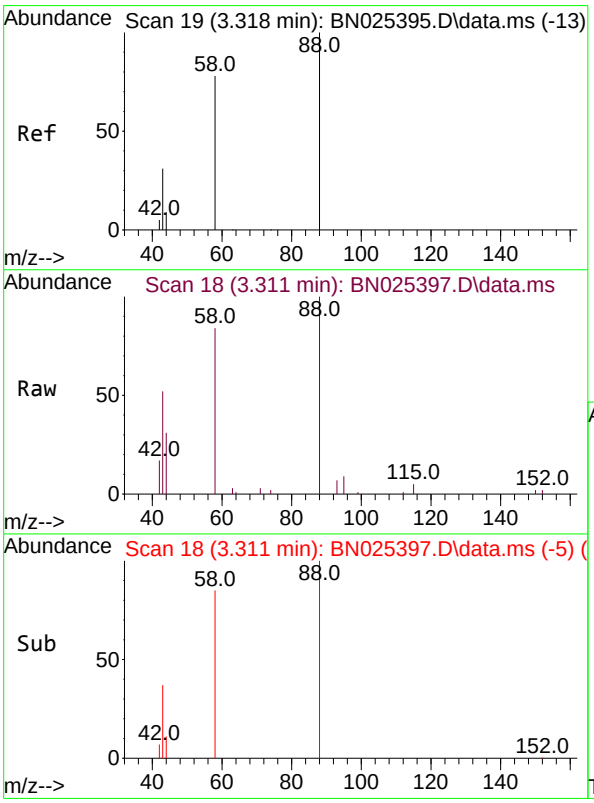
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.897 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 9058

Ion	Ratio	Lower	Upper
152	100		
150	155.9	121.4	182.2
115	64.0	50.6	76.0

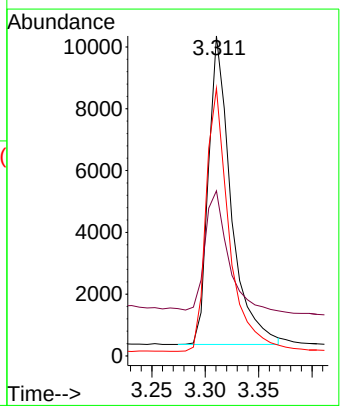


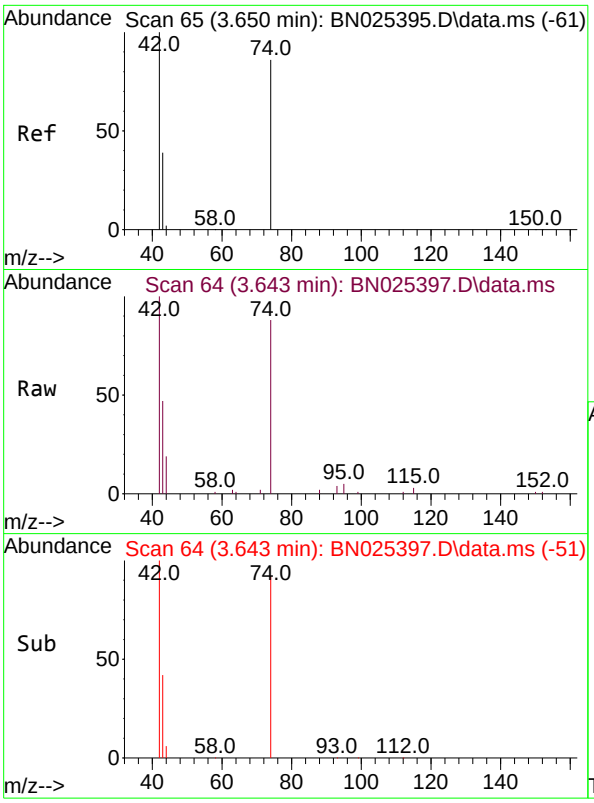


#2
1,4-Dioxane
Concen: 1.747 ng
RT: 3.311 min Scan# 18
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion: 88 Resp: 14619

Ion	Ratio	Lower	Upper
88	100		
43	39.1	37.4	56.2
58	87.2	71.5	107.3



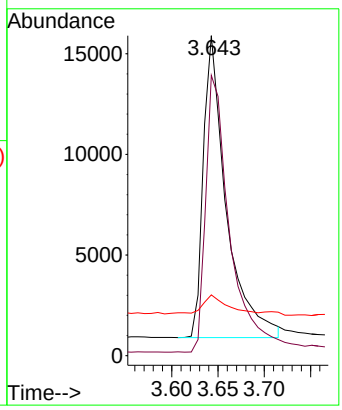


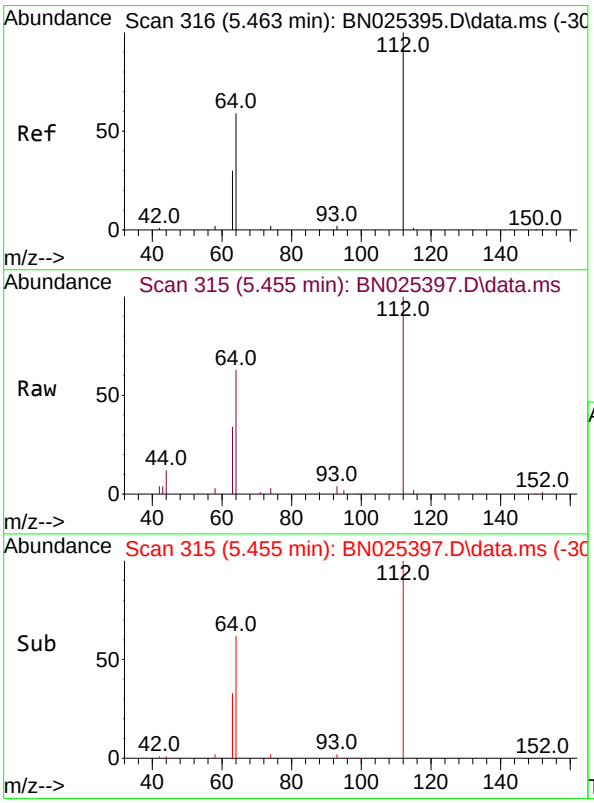
#3
n-Nitrosodimethylamine
Concen: 1.929 ng
RT: 3.643 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 25896

Ion	Ratio	Lower	Upper
42	100		
74	96.4	82.2	123.4
44	5.8	7.8	11.8#

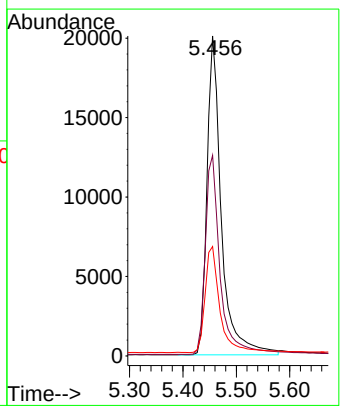


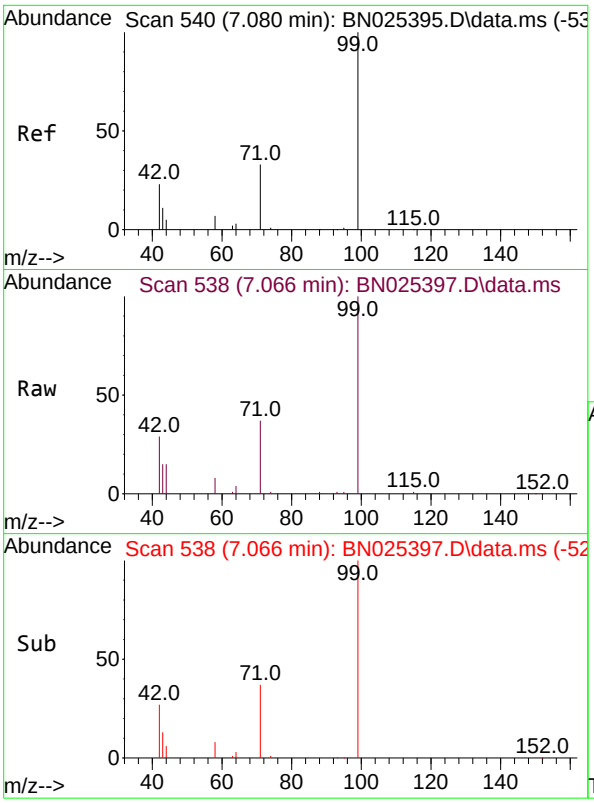


#4
2-Fluorophenol
Concen: 1.790 ng
RT: 5.455 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:112 Resp: 37573

Ion	Ratio	Lower	Upper
112	100		
64	64.3	51.9	77.9
63	34.5	27.4	41.2



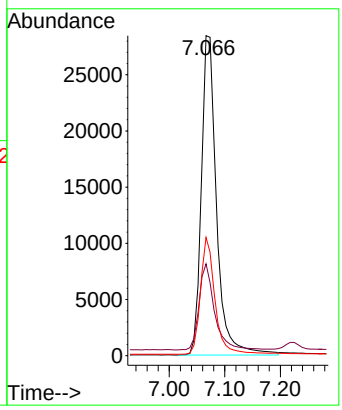


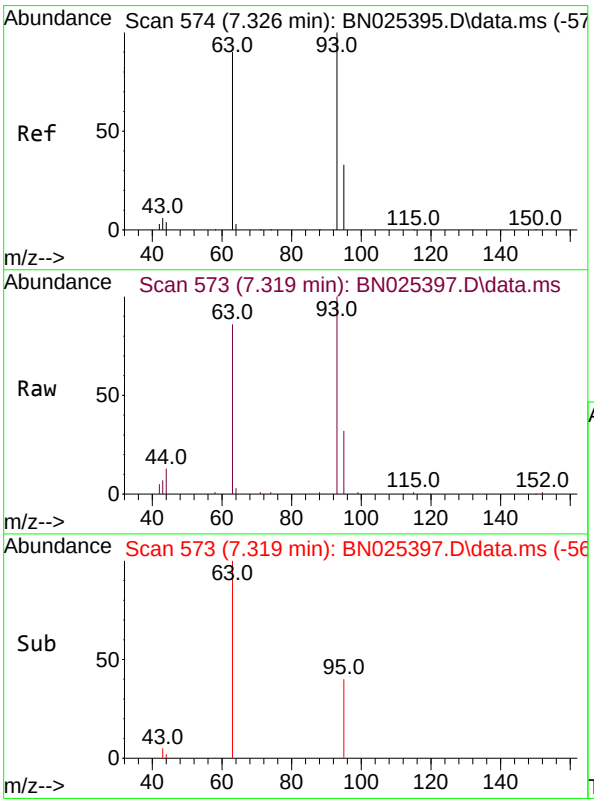
#5
Phenol-d6
Concen: 1.898 ng
RT: 7.066 min Scan# 5
Delta R.T. -0.014 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 54146

Ion	Ratio	Lower	Upper
99	100		
42	27.5	23.5	35.3
71	35.0	28.1	42.1

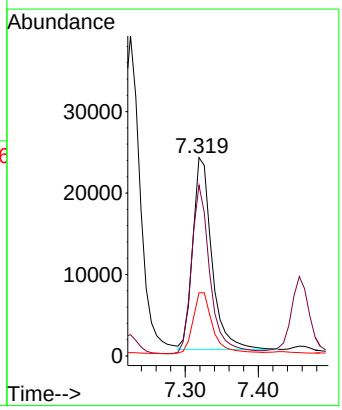


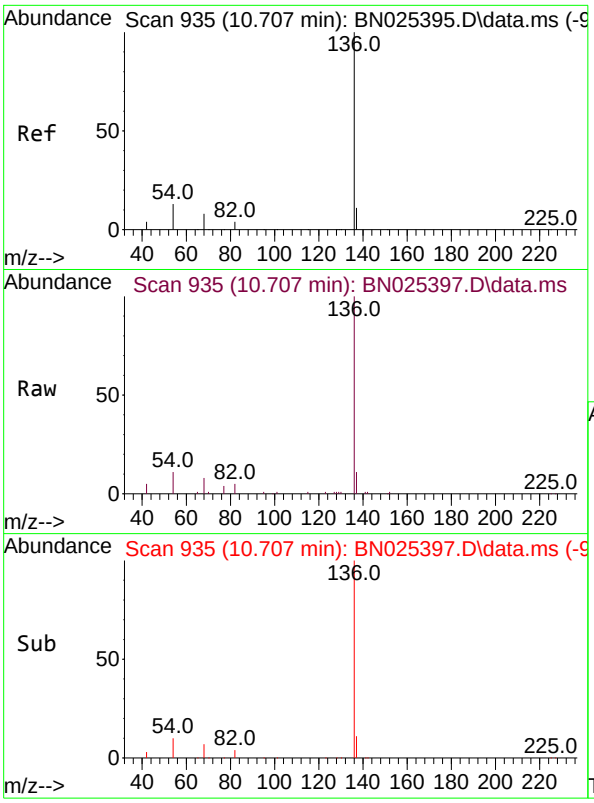


#6
bis(2-Chloroethyl)ether
Concen: 1.965 ng
RT: 7.319 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion: 93 Resp: 42812

Ion	Ratio	Lower	Upper
93	100		
63	85.9	71.3	106.9
95	33.0	31.0	46.4



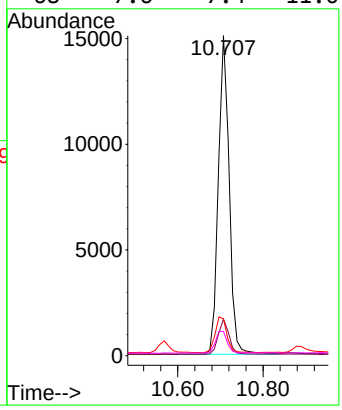


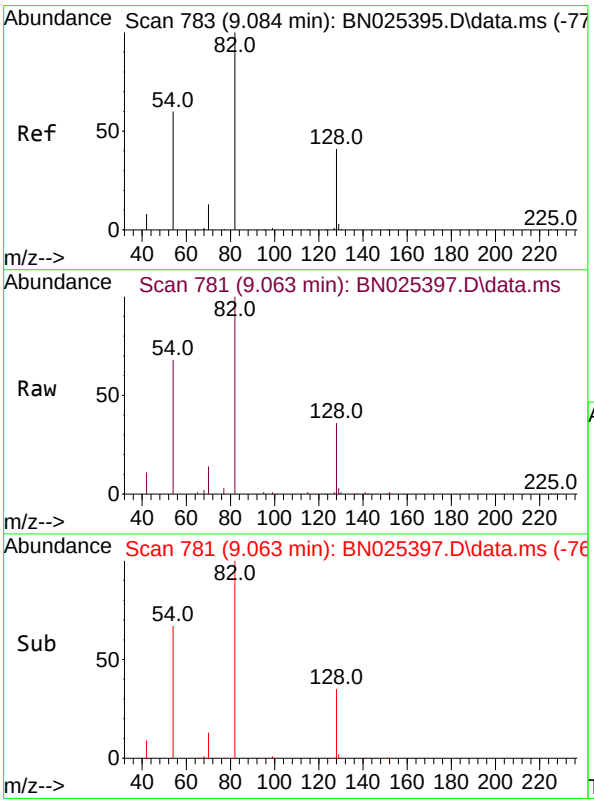
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 26592

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.5	11.2	16.8
68	7.6	7.4	11.0

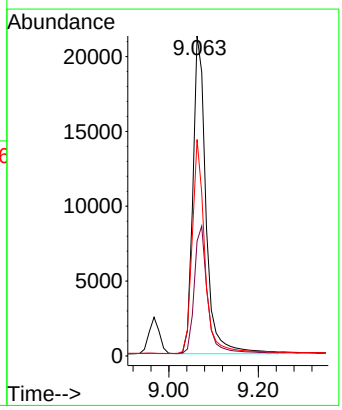


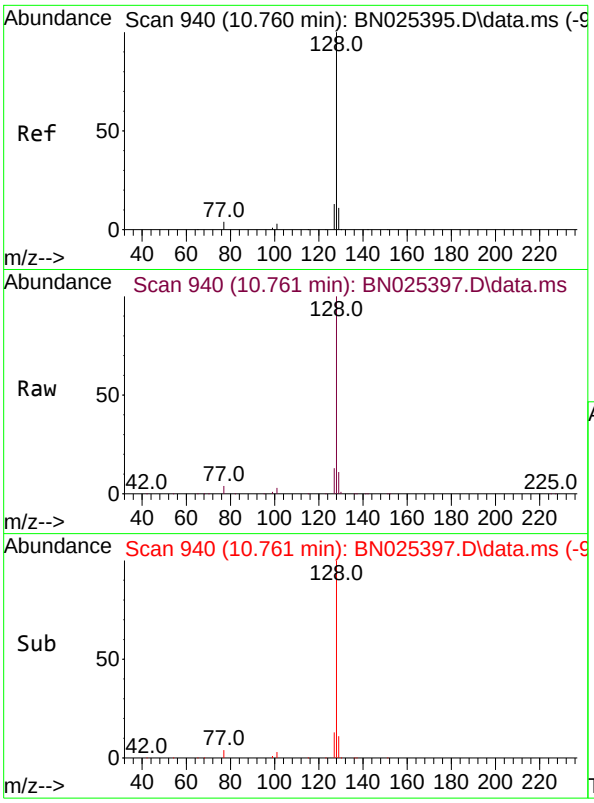


#8
Nitrobenzene-d5
Concen: 2.029 ng
RT: 9.063 min Scan# 781
Delta R.T. -0.021 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion: 82 Resp: 43605

Ion	Ratio	Lower	Upper
82	100		
128	35.9	35.8	53.8
54	67.6	50.4	75.6



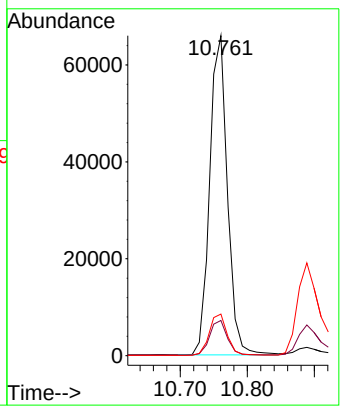


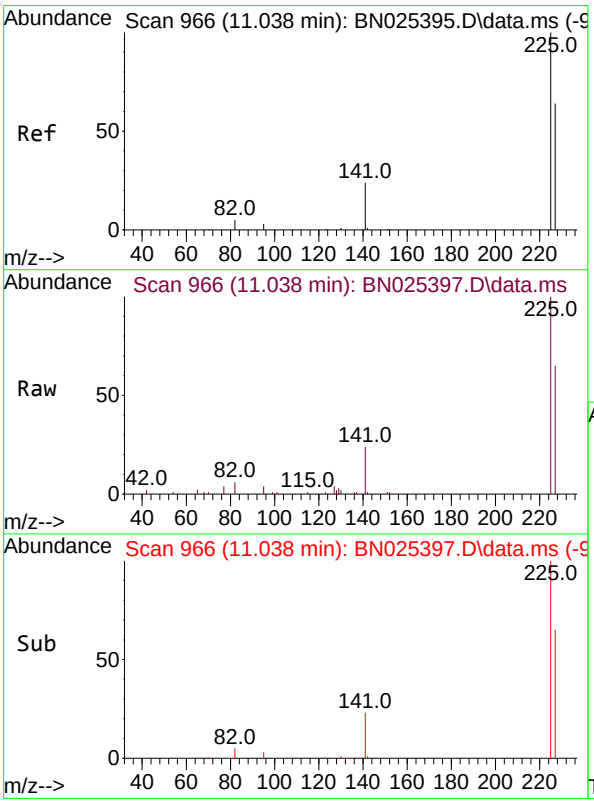
#9
Naphthalene
Concen: 1.799 ng
RT: 10.761 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 120525

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.0	10.8	16.2

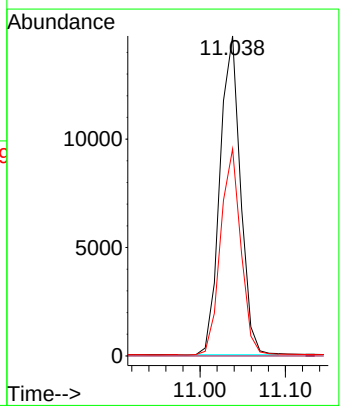


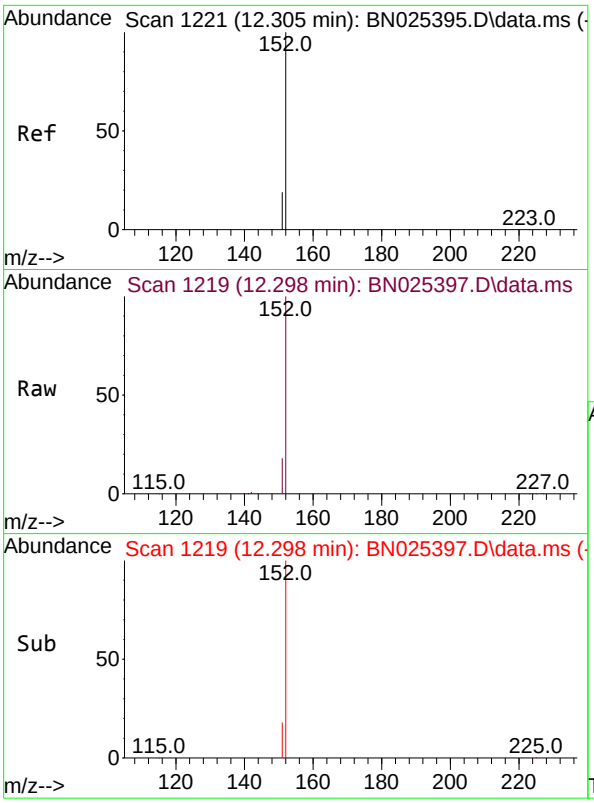


#10
Hexachlorobutadiene
Concen: 1.886 ng
RT: 11.038 min Scan# 966
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:225 Resp: 24534

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.8	76.2



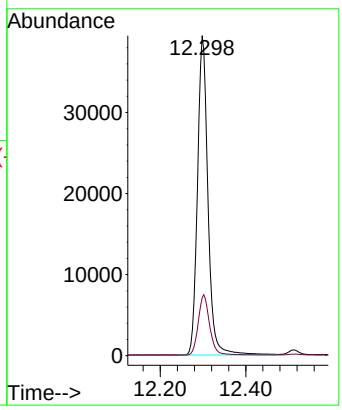


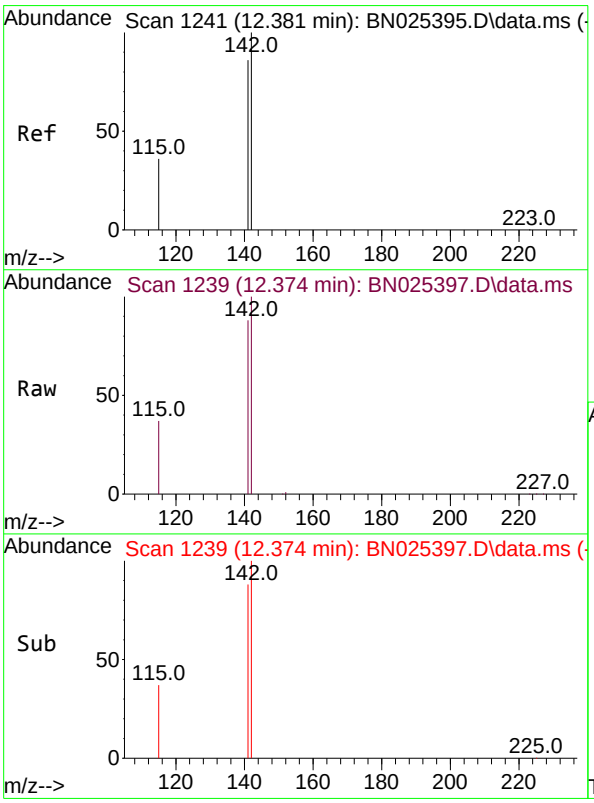
#11
2-Methylnaphthalene-d10
Concen: 1.912 ng
RT: 12.298 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 67062

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1

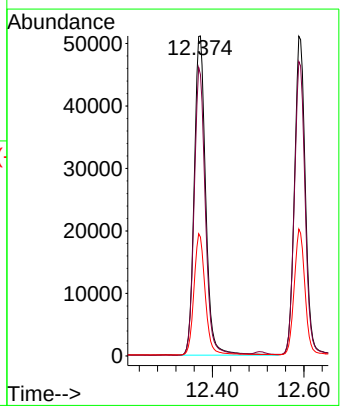


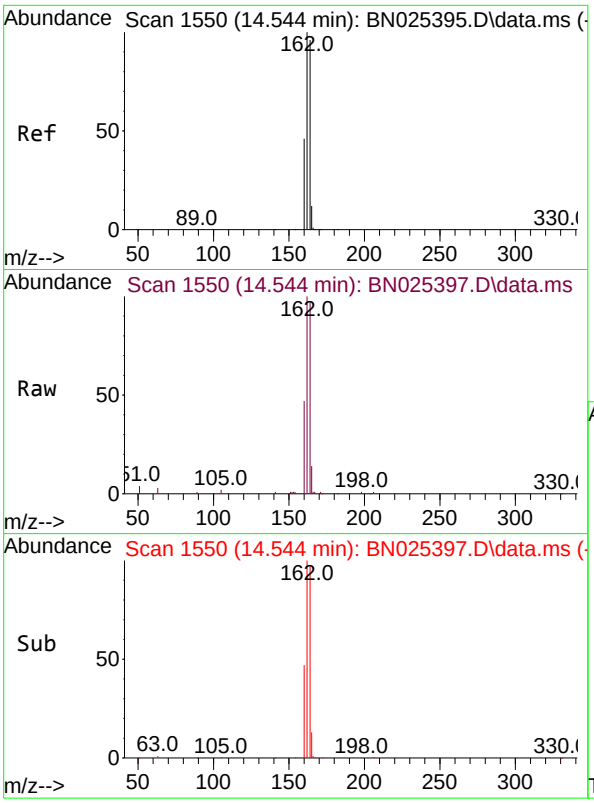


#12
2-Methylnaphthalene
Concen: 1.916 ng
RT: 12.374 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:142 Resp: 88741

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.3	103.9
115	37.2	30.2	45.4



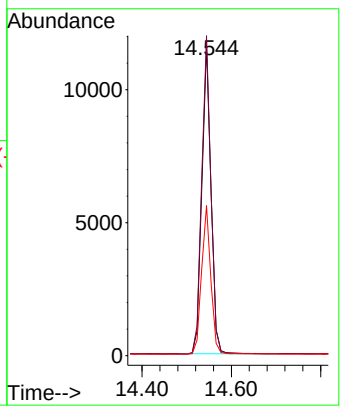


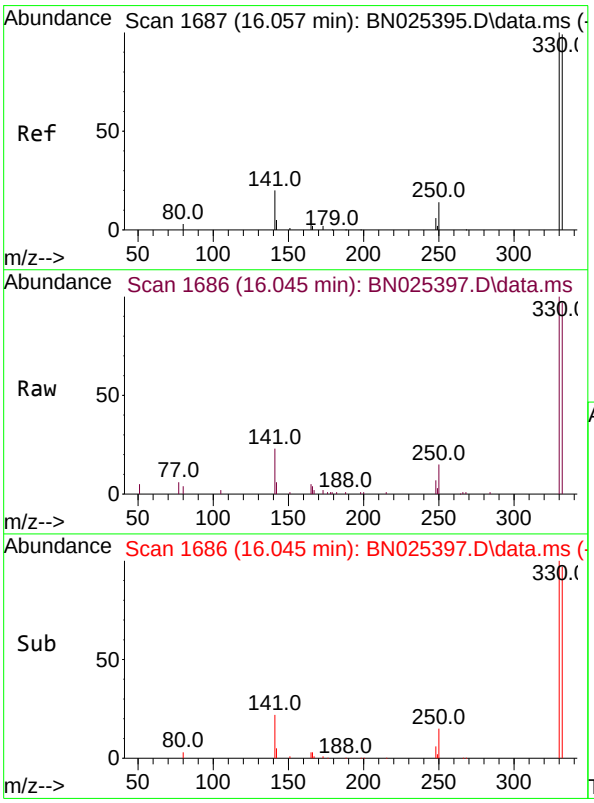
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 16507

Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.2	124.8
160	48.3	38.8	58.2

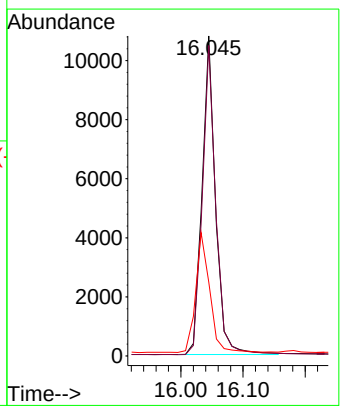


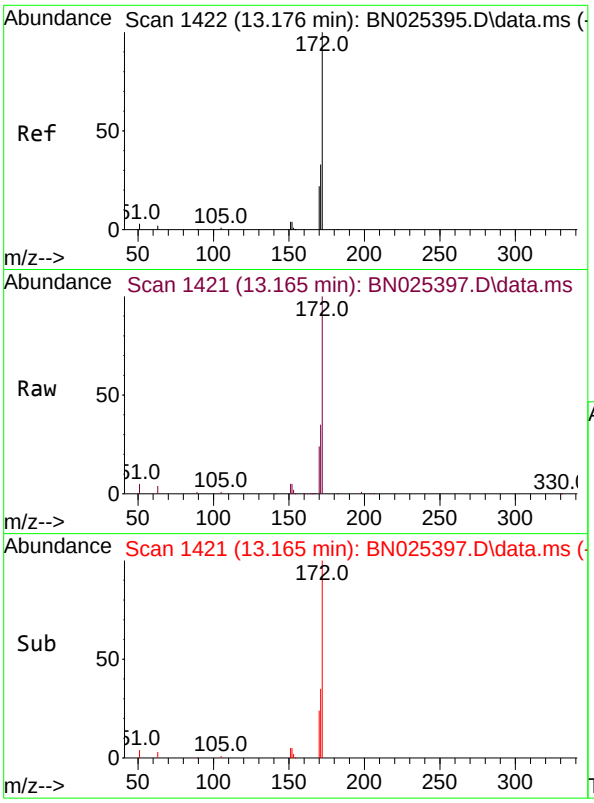


#14
2,4,6-Tribromophenol
Concen: 1.850 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:330 Resp: 16300

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	38.9	30.2	45.2



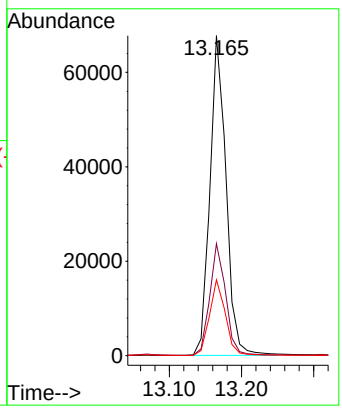


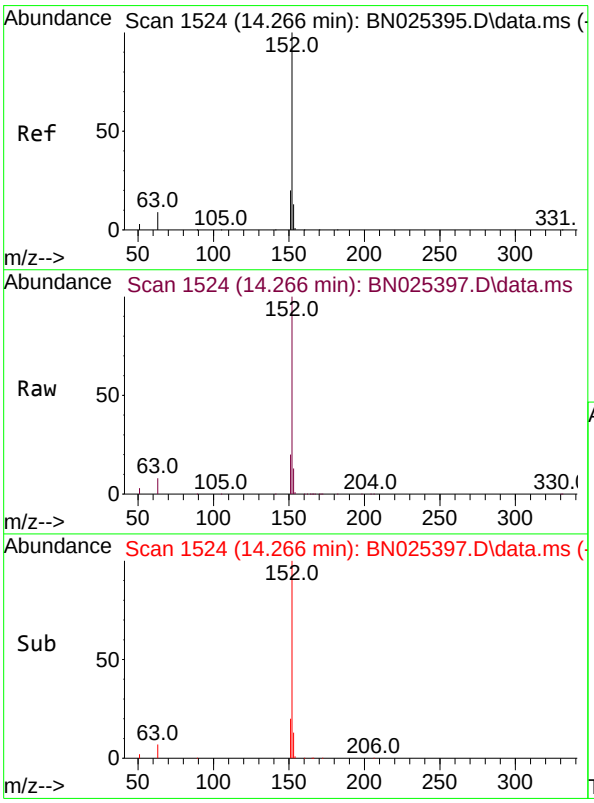
#15
2-Fluorobiphenyl
Concen: 1.836 ng
RT: 13.165 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 105227

Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.7	40.1
170	23.7	17.8	26.8

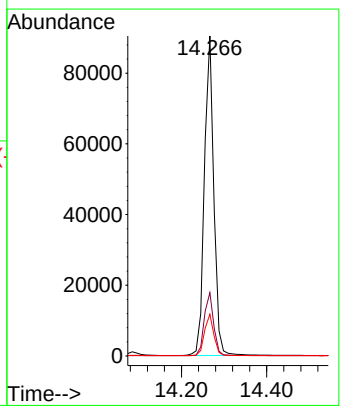


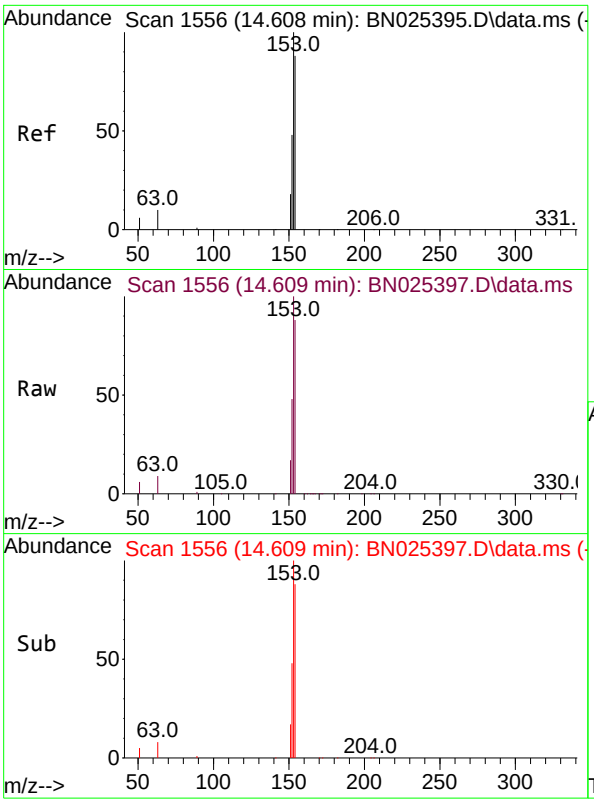


#16
Acenaphthylene
Concen: 1.812 ng
RT: 14.266 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:152 Resp: 139003

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.9	10.7	16.1



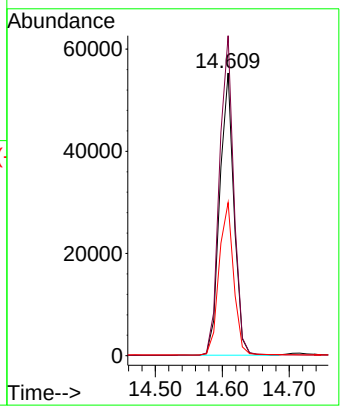


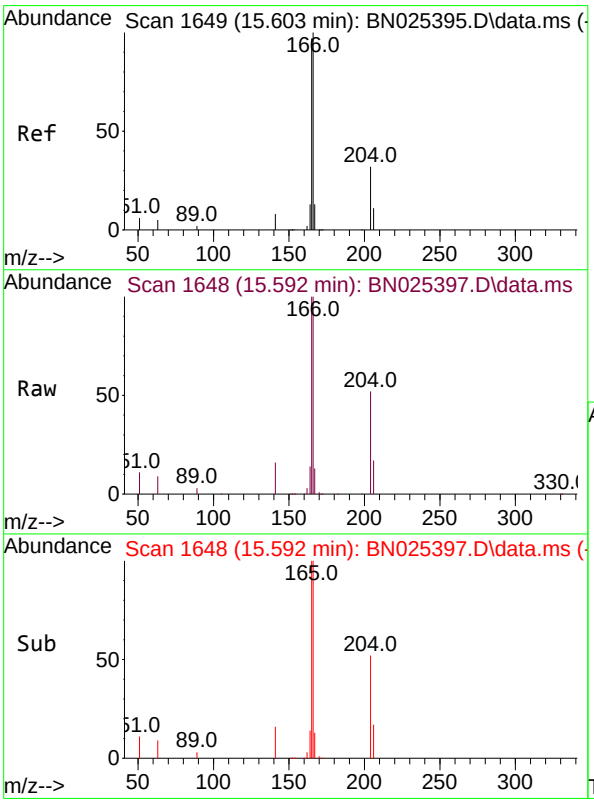
#17
Acenaphthene
Concen: 1.793 ng
RT: 14.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 81372

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.7	137.5
152	55.6	44.6	66.8

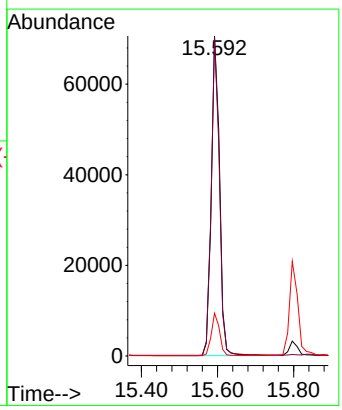


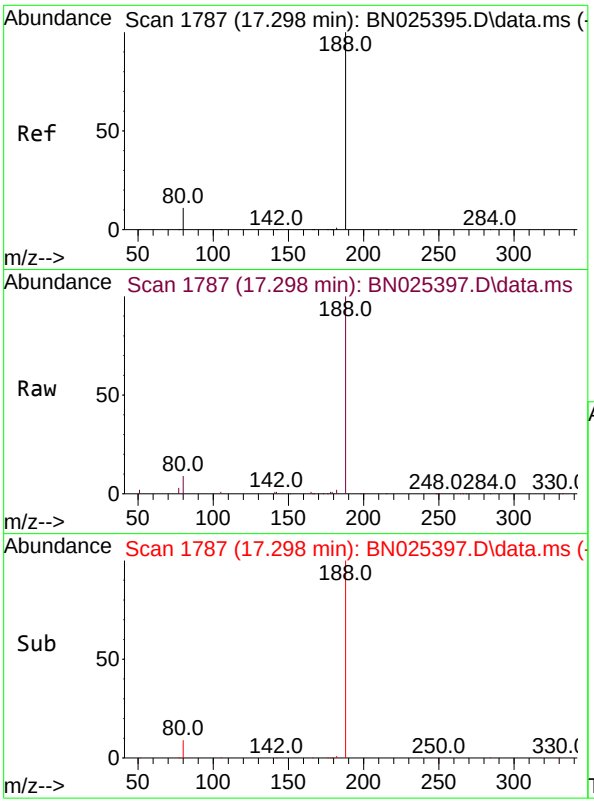


#18
Fluorene
Concen: 1.804 ng
RT: 15.592 min Scan# 1648
Delta R.T. -0.011 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:166 Resp: 108395

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.7	118.1
167	13.0	10.7	16.1



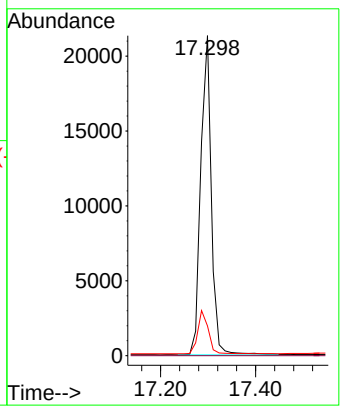


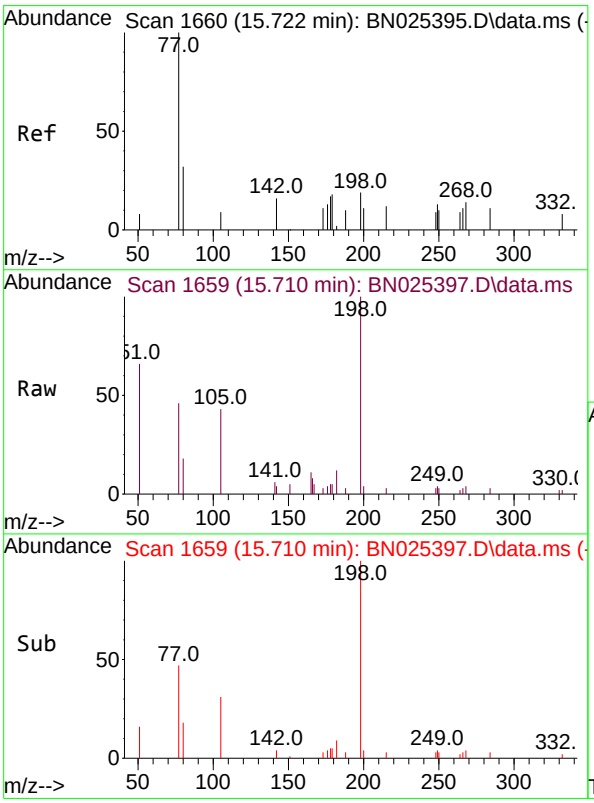
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 33082

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	9.4	14.2#

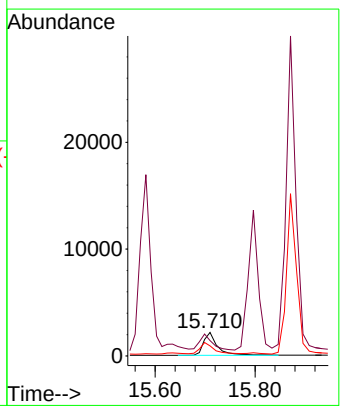


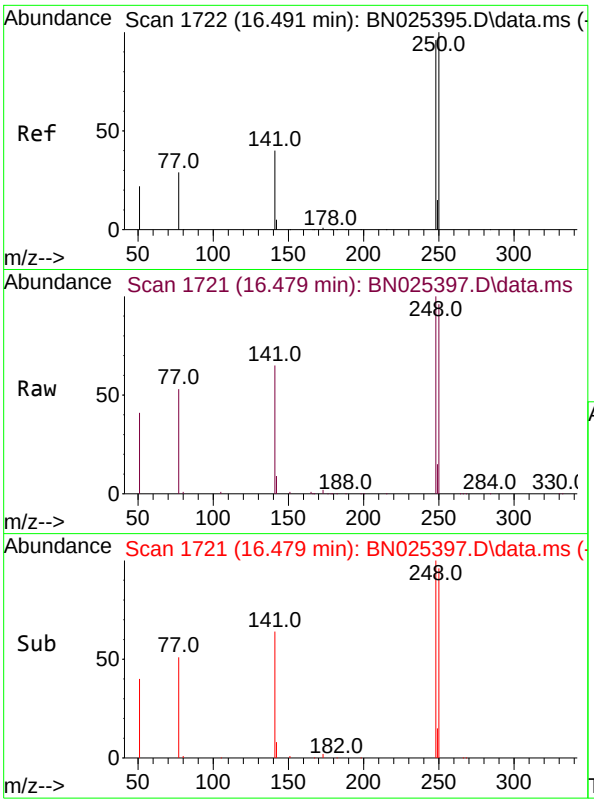


#20
4,6-Dinitro-2-methylphenol
Concen: 1.715 ng
RT: 15.710 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:198 Resp: 4239

Ion	Ratio	Lower	Upper
198	100		
51	65.5	259.2	388.8#
105	42.7	112.6	168.8#



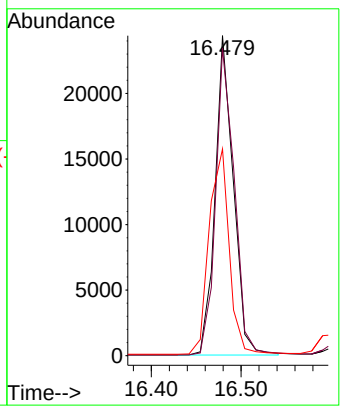


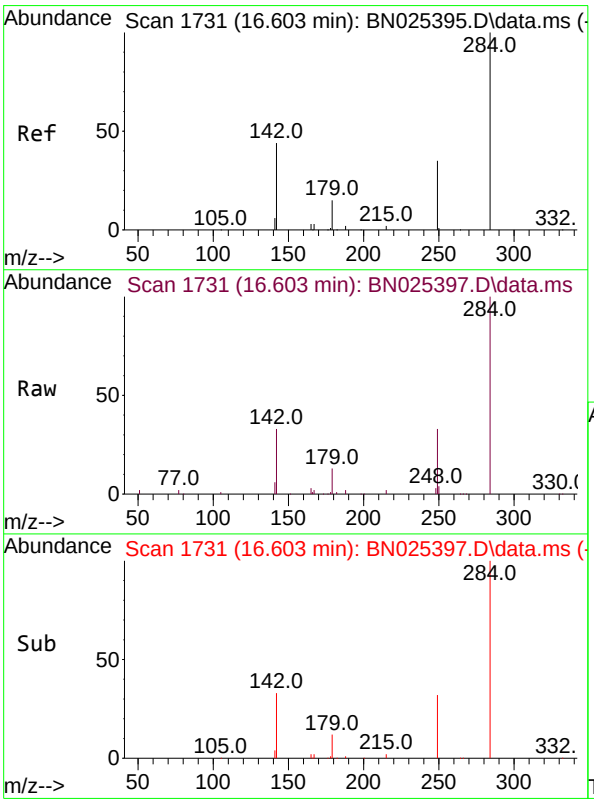
#21
4-Bromophenyl-phenylether
Concen: 1.848 ng
RT: 16.479 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 34484

Ion	Ratio	Lower	Upper
248	100		
250	96.0	83.1	124.7
141	64.6	35.0	52.6#

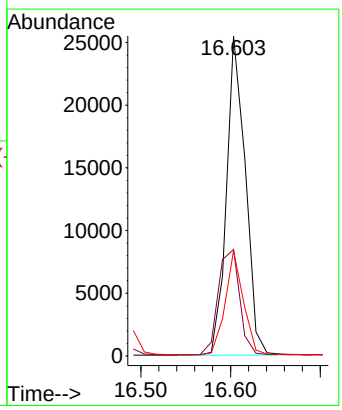


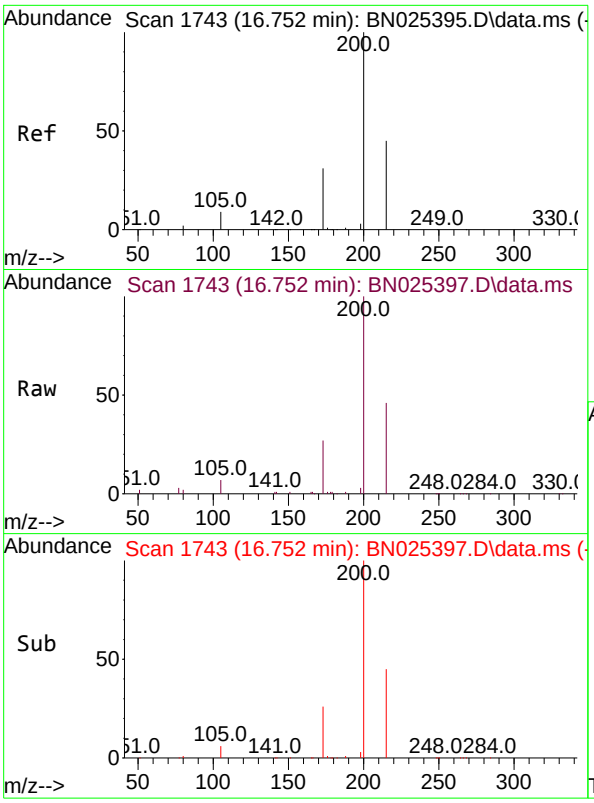


#22
Hexachlorobenzene
Concen: 1.803 ng
RT: 16.603 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:284 Resp: 37119

Ion	Ratio	Lower	Upper
284	100		
142	37.6	29.7	44.5
249	31.1	24.7	37.1



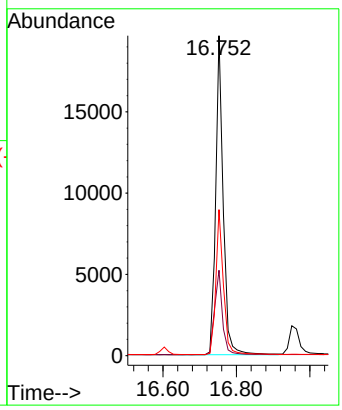


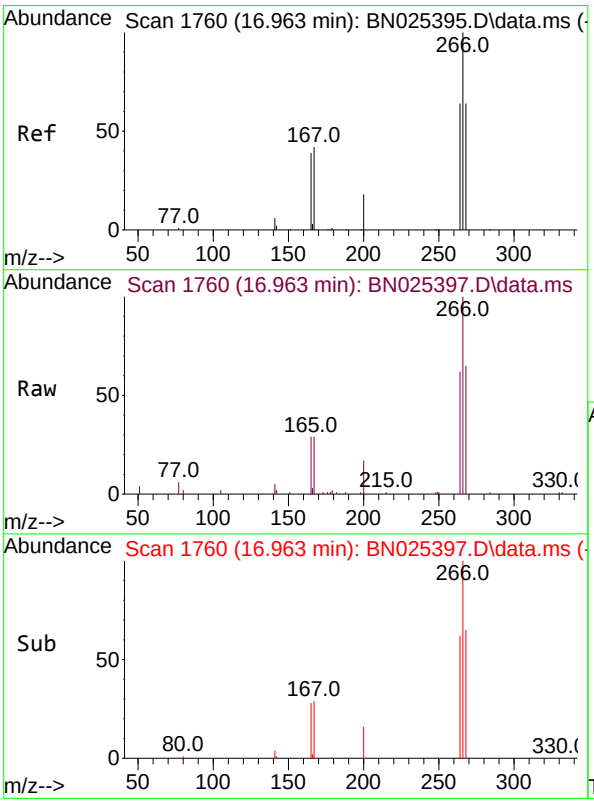
#23
Atrazine
Concen: 1.844 ng
RT: 16.752 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 27910

Ion	Ratio	Lower	Upper
200	100		
173	26.7	26.5	39.7
215	45.7	37.0	55.4

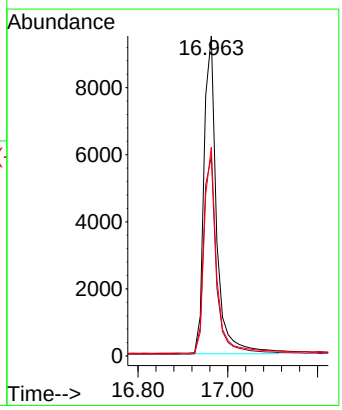


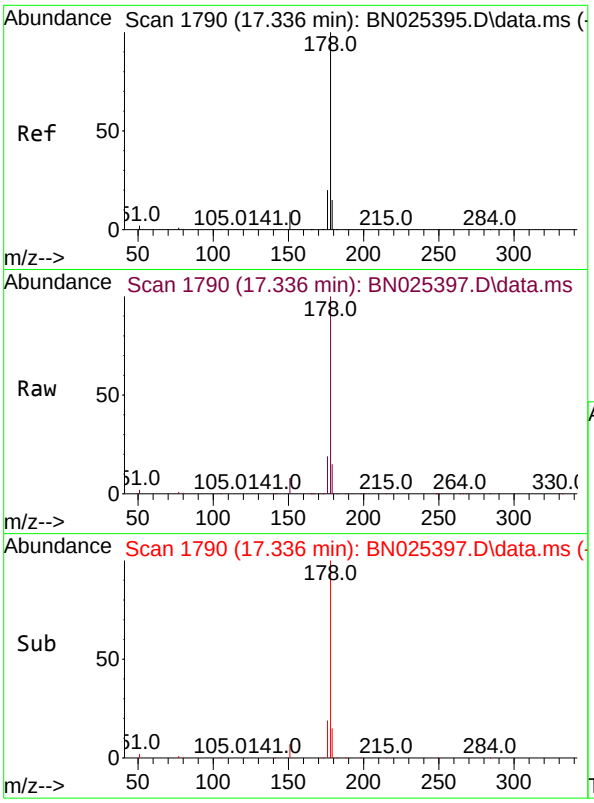


#24
Pentachlorophenol
Concen: 1.736 ng
RT: 16.963 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:266 Resp: 18555

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.1	75.1
268	63.5	49.3	73.9



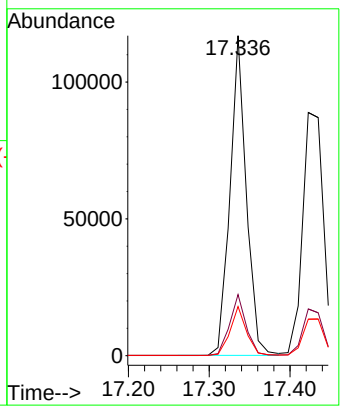


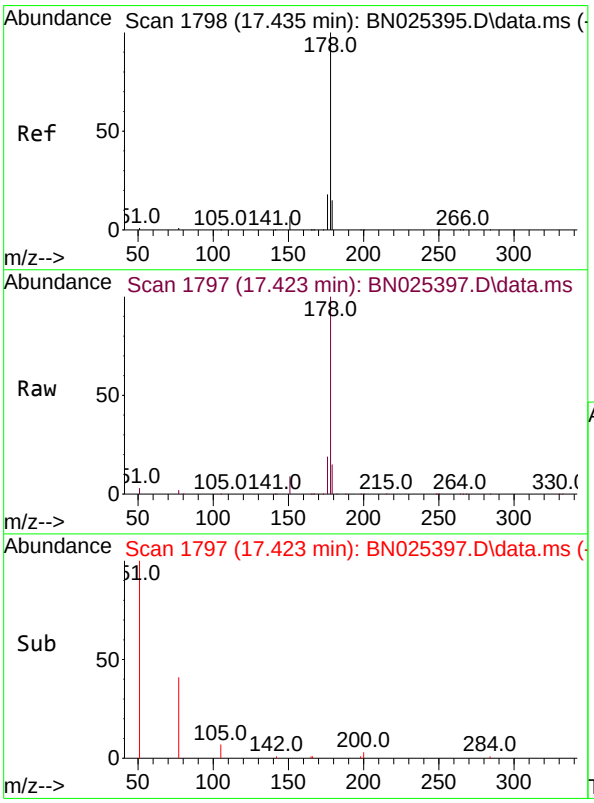
#25
Phenanthrene
Concen: 1.834 ng
RT: 17.336 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 164207

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.1	18.1

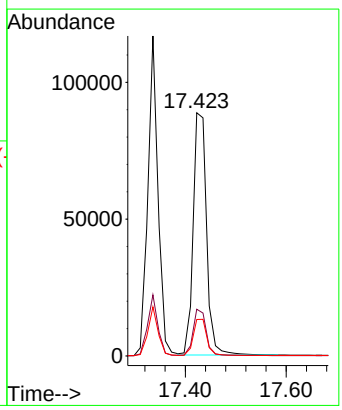


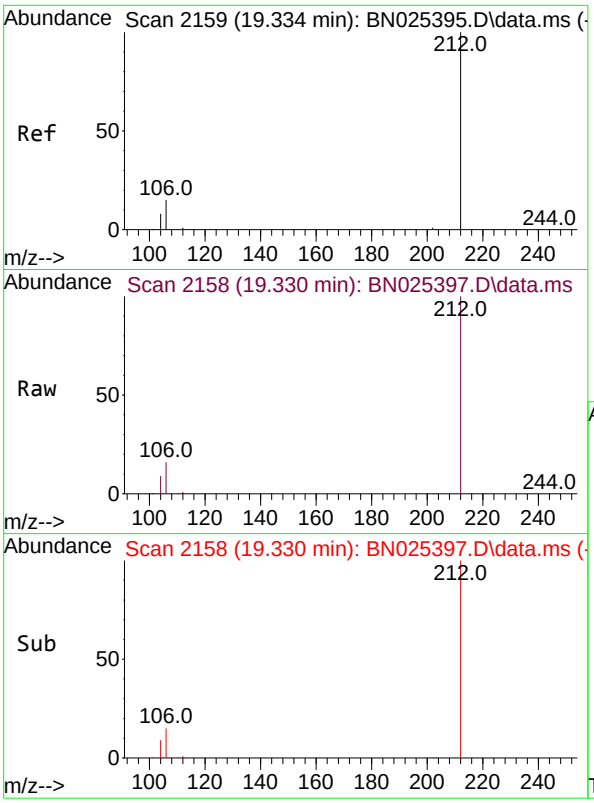


#26
Anthracene
Concen: 1.881 ng
RT: 17.423 min Scan# 1797
Delta R.T. -0.012 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:178 Resp: 163371

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.1	12.0	18.0



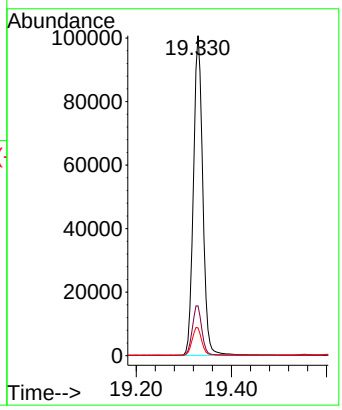


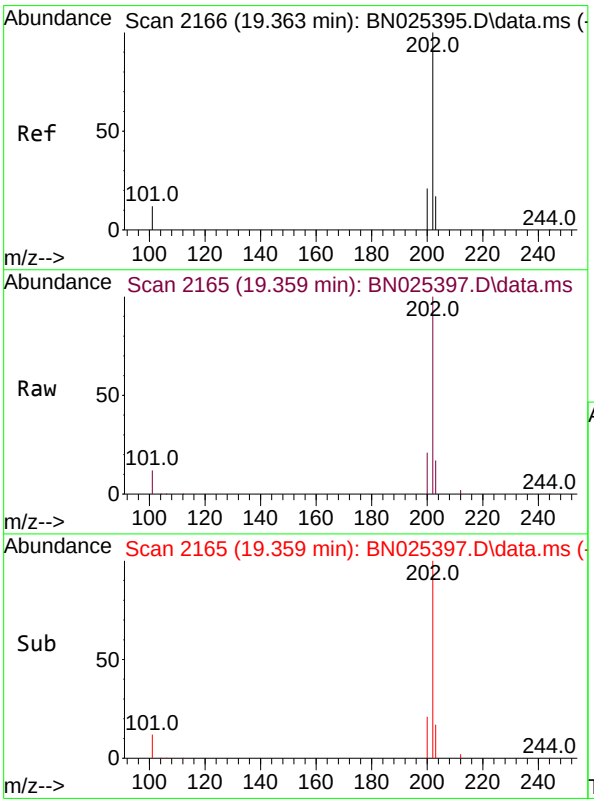
#27
Fluoranthene-d10
Concen: 1.813 ng
RT: 19.330 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 137276

Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	8.9	7.0	10.4

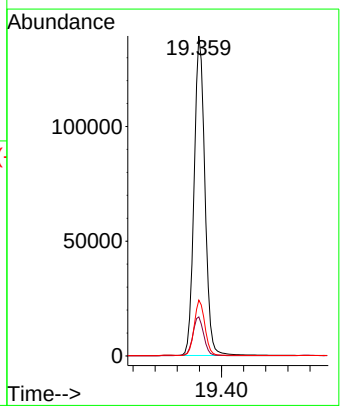


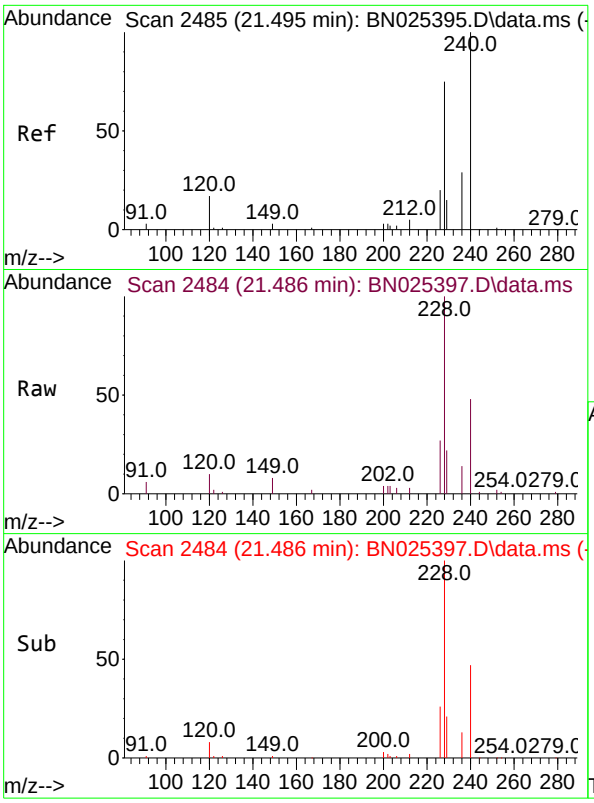


#28
Fluoranthene
Concen: 1.813 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:202 Resp: 188136

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
203	17.0	13.8	20.6



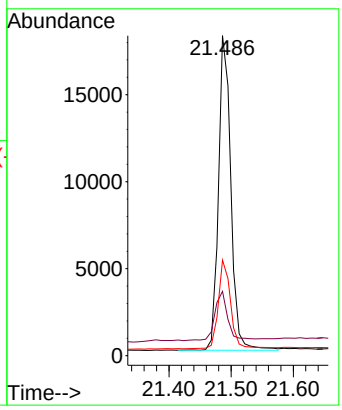


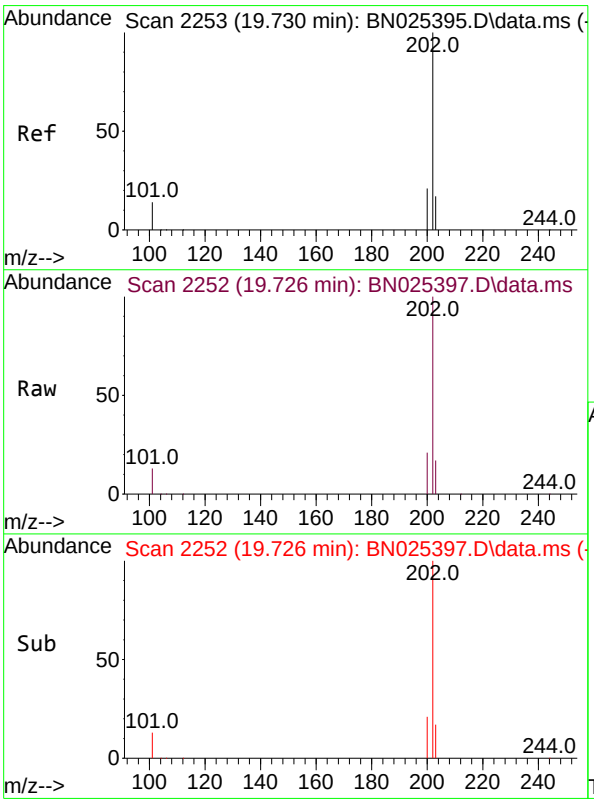
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.486 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 25116

Ion	Ratio	Lower	Upper
240	100		
120	20.1	19.0	28.6
236	29.9	25.0	37.6

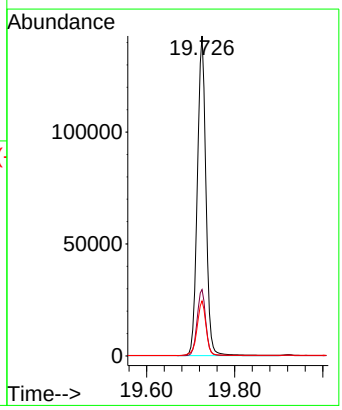


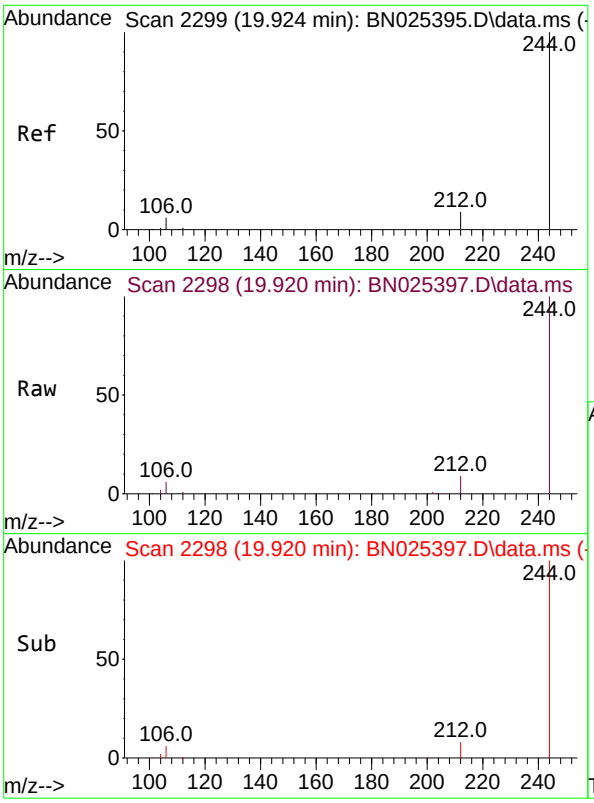


#30
Pyrene
Concen: 1.823 ng
RT: 19.726 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:202 Resp: 193020

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.4	21.6



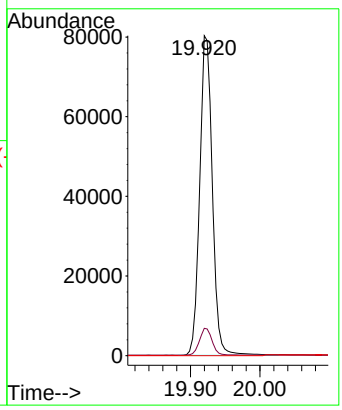


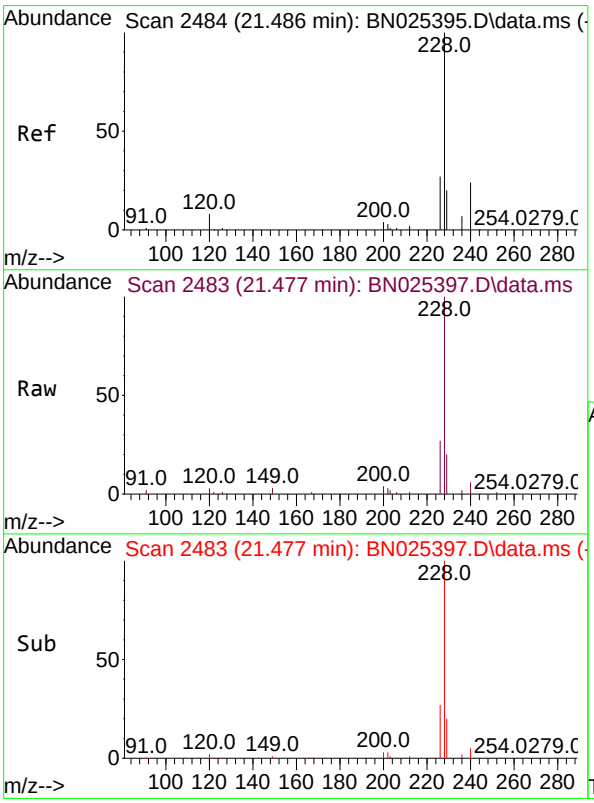
#31
Terphenyl-d14
Concen: 1.794 ng
RT: 19.920 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 108559

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

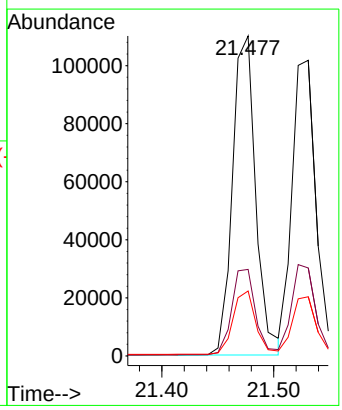


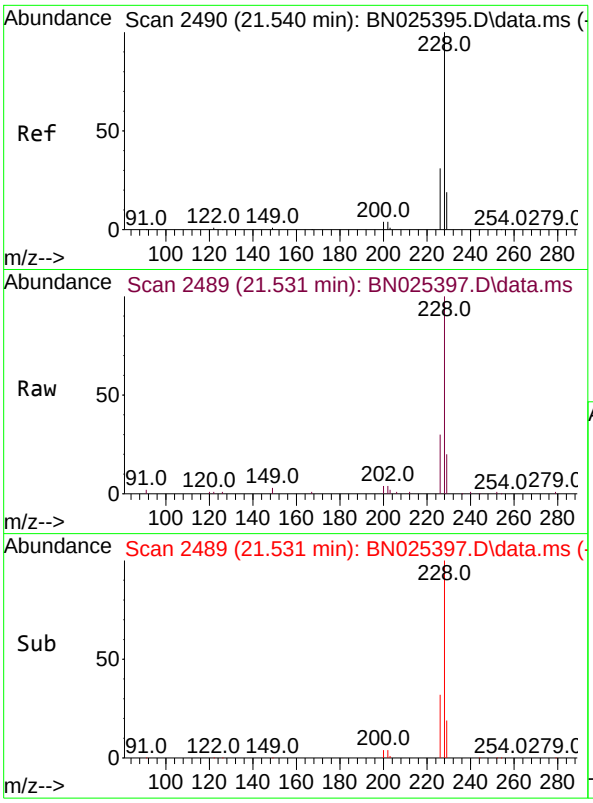


#32
Benzo(a)anthracene
Concen: 1.854 ng
RT: 21.477 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:228 Resp: 158730

Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.2	34.8
229	20.3	18.2	27.2



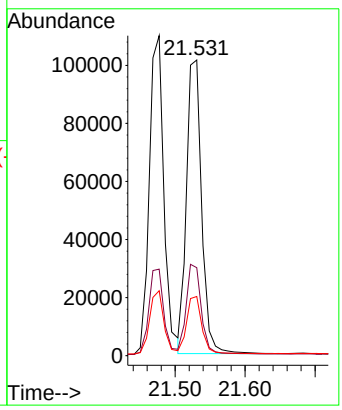


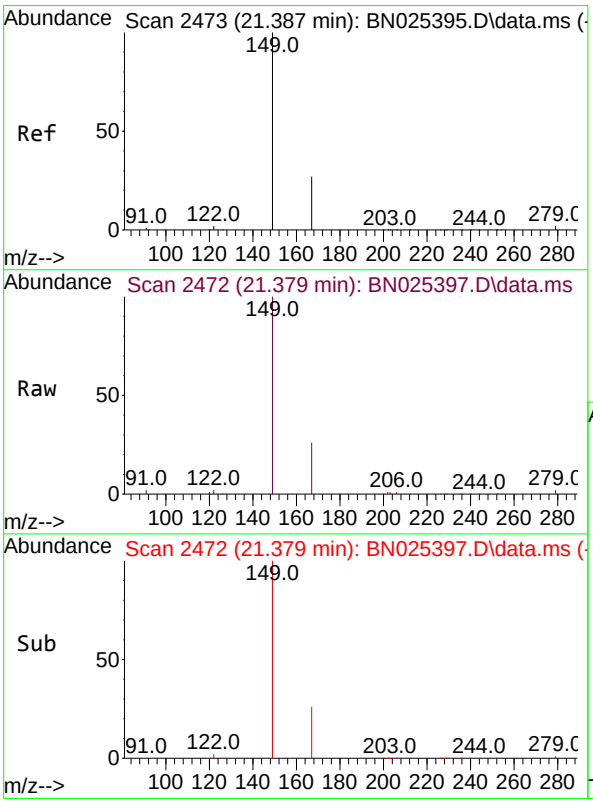
#33
Chrysene
Concen: 1.828 ng
RT: 21.531 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 152001

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.8	38.6
229	20.0	17.9	26.9

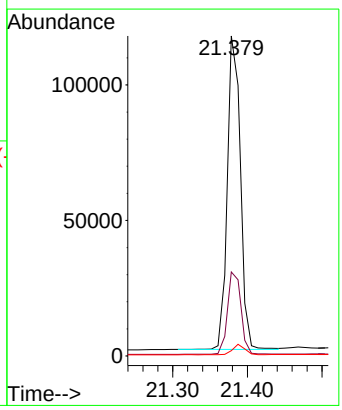


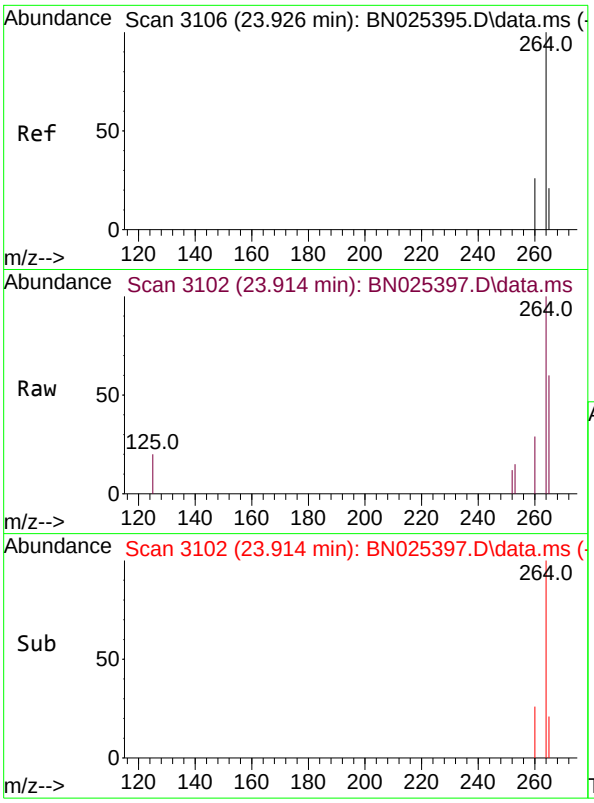


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.709 ng
RT: 21.379 min Scan# 2472
Delta R.T. -0.009 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:149 Resp: 141015

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.7	32.5
279	3.1	3.0	4.4



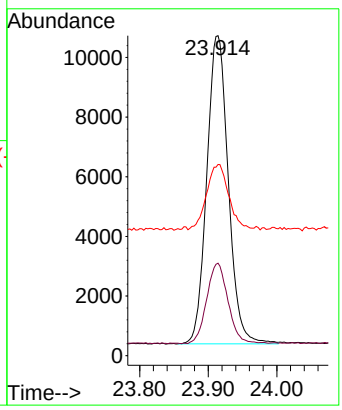


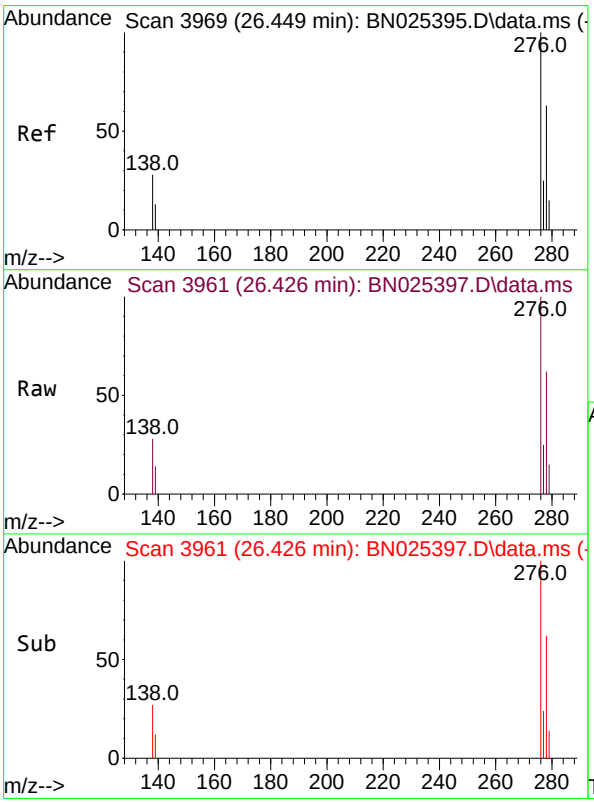
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.914 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 22550

Ion	Ratio	Lower	Upper
264	100		
260	28.9	23.5	35.3
265	59.8	50.9	76.3

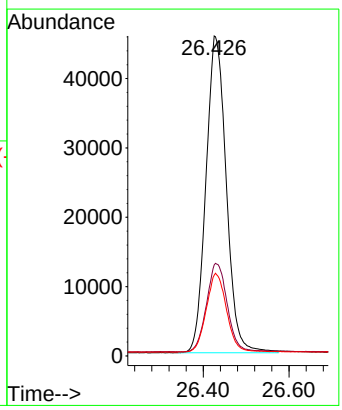


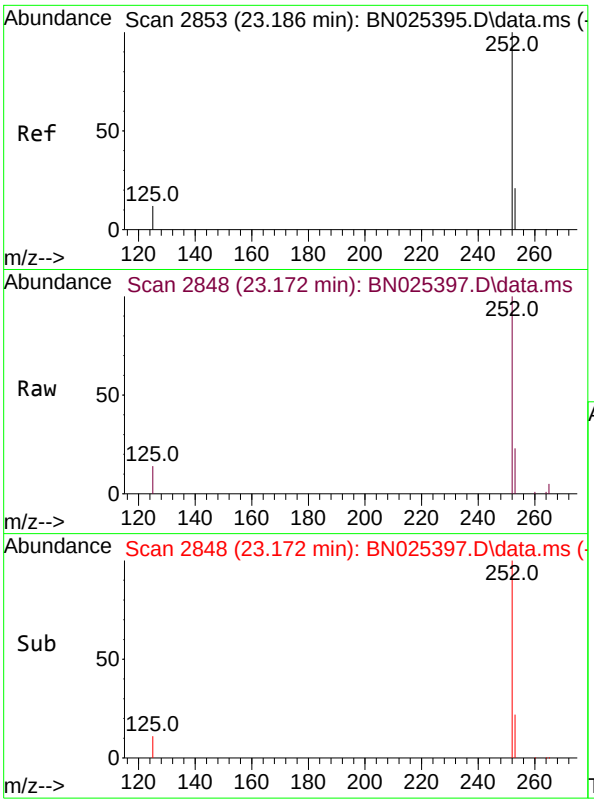


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.814 ng
RT: 26.426 min Scan# 3961
Delta R.T. -0.023 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:276 Resp: 150416

Ion	Ratio	Lower	Upper
276	100		
138	28.6	22.7	34.1
277	24.9	20.2	30.4



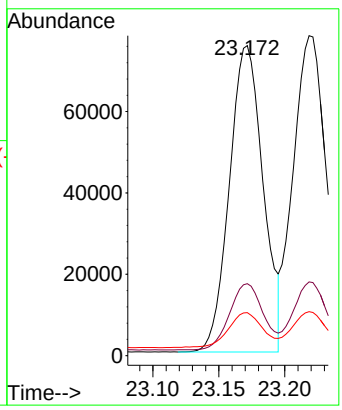


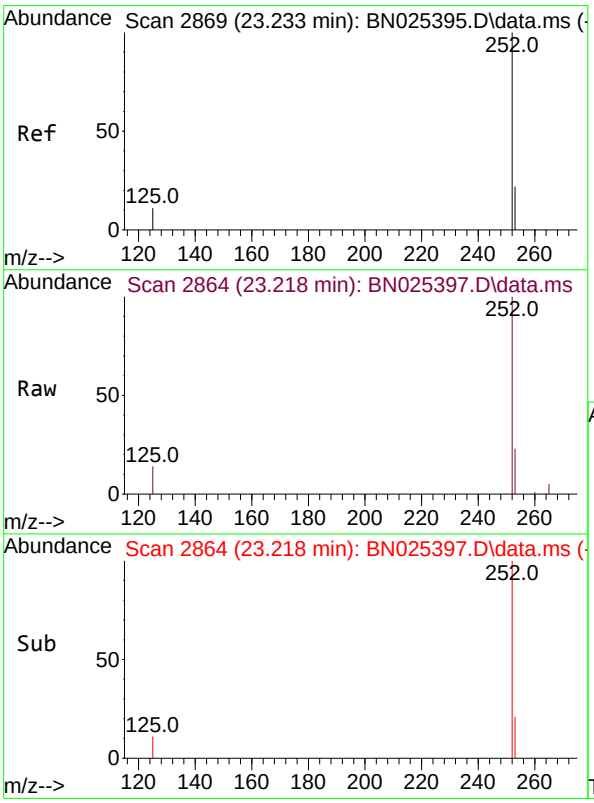
#37
Benzo(b)fluoranthene
Concen: 1.814 ng
RT: 23.172 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 134101

Ion	Ratio	Lower	Upper
252	100		
253	23.2	23.4	35.0#
125	13.9	19.8	29.8#

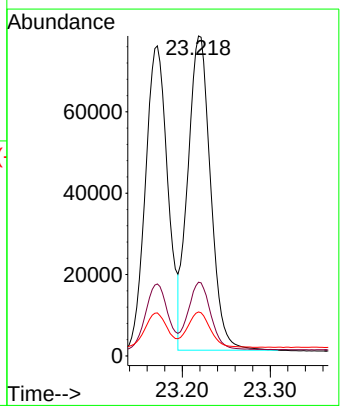


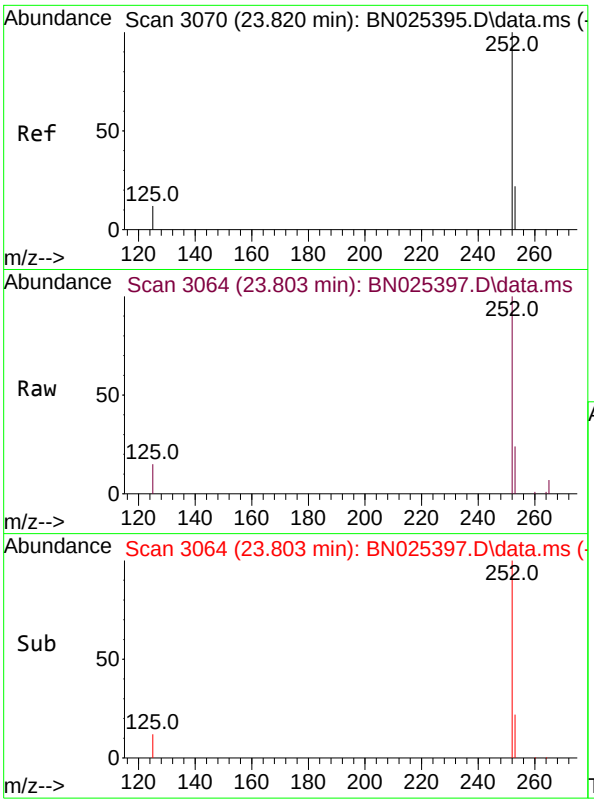


#38
Benzo(k)fluoranthene
Concen: 1.821 ng
RT: 23.218 min Scan# 2864
Delta R.T. -0.014 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:252 Resp: 138541

Ion	Ratio	Lower	Upper
252	100		
253	23.0	23.6	35.4#
125	13.8	20.2	30.2#



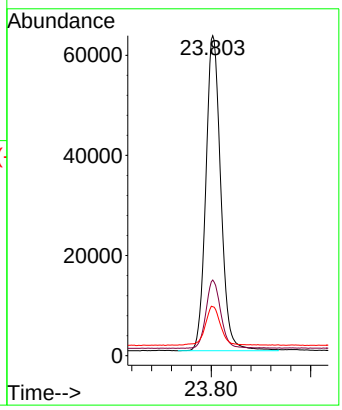


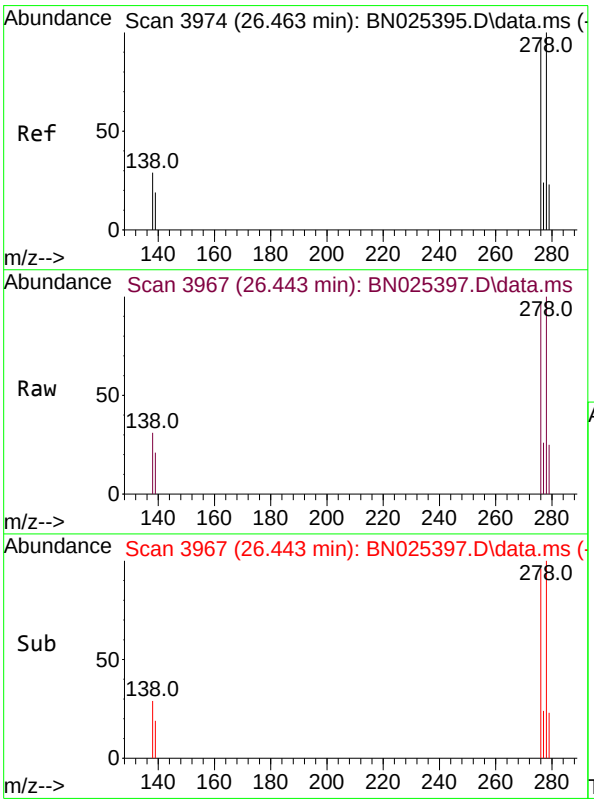
#39
Benzo(a)pyrene
Concen: 1.825 ng
RT: 23.803 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 131492

Ion	Ratio	Lower	Upper
252	100		
253	23.6	25.4	38.2#
125	15.3	23.5	35.3#

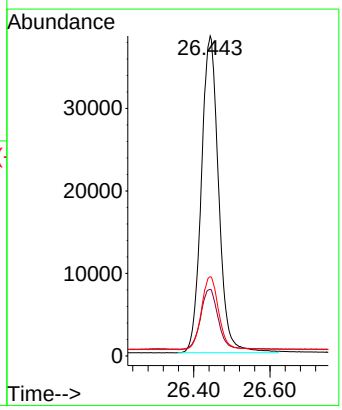


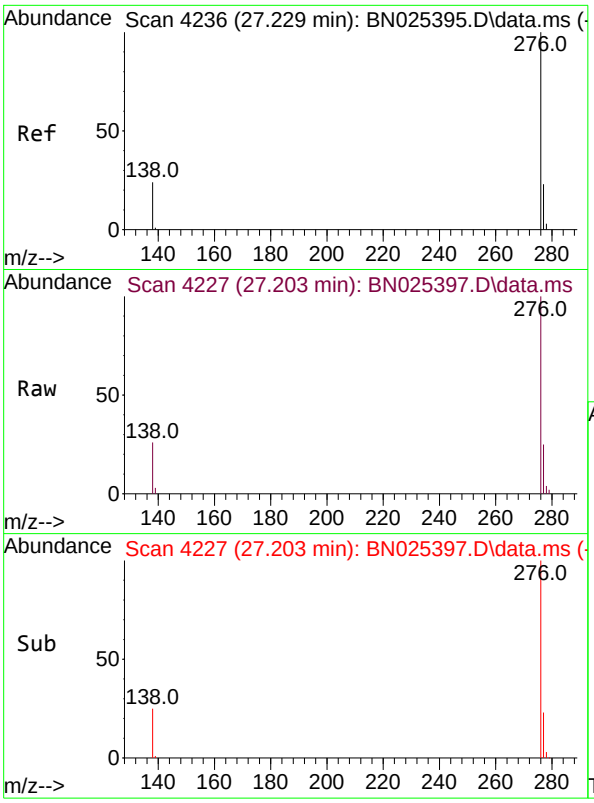


#40
Dibenzo(a,h)anthracene
Concen: 1.829 ng
RT: 26.443 min Scan# 3967
Delta R.T. -0.020 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Tgt Ion:278 Resp: 120866

Ion	Ratio	Lower	Upper
278	100		
139	20.8	23.8	35.8#
279	24.7	26.0	39.0#





#41
Benzo(g,h,i)perylene
Concen: 1.805 ng
RT: 27.203 min Scan# 4
Delta R.T. -0.026 min
Lab File: BN025397.D
Acq: 11 May 2023 12:50

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 126090

Ion	Ratio	Lower	Upper
276	100		
277	24.7	23.5	35.3
138	26.1	24.7	37.1