Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051623\
Data File : BN025437.D
Acq On : 16 May 2023 11:03
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: May 17 02:41:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 17 02:38:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.091	152	4986	0.400	ng		0.00
7) Naphthalene-d8	10.910	136	14591	0.400	ng		0.00
13) Acenaphthene-d10	14.715	164	9301	0.400	ng		0.00
19) Phenanthrene-d10	17.460	188	21412	0.400	ng		0.00
29) Chrysene-d12	21.652	240	18193	0.400	ng		0.00
35) Perylene-d12	24.196	264	19464	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.621	112	4875	0.455	ng		0.00
5) Phenol-d6	7.232	99	6413	0.446	ng		0.00
8) Nitrobenzene-d5	9.255	82	4261	0.427	ng		0.00
11) 2-Methylnaphthalene-d10	12.491	152	9051	0.444	ng		0.00
14) 2,4,6-Tribromophenol	16.206	330	1390	0.441	ng		0.00
15) 2-Fluorobiphenyl	13.358	172	15479	0.455	ng		0.00
27) Fluoranthene-d10	19.485	212	22124	0.434	ng		0.00
31) Terphenyl-d14	20.085	244	15684	0.474	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.469	88	2156	0.462	ng		100
3) n-Nitrosodimethylamine	3.809	42	2034	0.360	ng	#	100
6) bis(2-Chloroethyl)ether	7.499	93	7209	0.394	ng		100
9) Naphthalene	10.963	128	16157	0.444	ng		100
10) Hexachlorobutadiene	11.252	225	3181	0.446	ng	#	100
12) 2-Methylnaphthalene	12.562	142	11823	0.441	ng		100
16) Acenaphthylene	14.437	152	19015	0.443	ng		100
17) Acenaphthene	14.779	154	11803	0.443	ng		100
18) Fluorene	15.759	166	16142	0.461	ng		100
20) 4,6-Dinitro-2-methylph...	15.846	198	1014	0.415	ng		100
21) 4-Bromophenyl-phenylether	16.653	248	5454	0.439	ng		100
22) Hexachlorobenzene	16.765	284	5103	0.443	ng		100
23) Atrazine	16.914	200	4429	0.424	ng		100
24) Pentachlorophenol	17.125	266	1142	0.407	ng		100
25) Phenanthrene	17.497	178	26464	0.439	ng		100
26) Anthracene	17.596	178	25059	0.430	ng		100
28) Fluoranthene	19.515	202	30936	0.434	ng		100
30) Pyrene	19.877	202	31462	0.453	ng		100
32) Benzo(a)anthracene	21.634	228	29324	0.459	ng		100
33) Chrysene	21.697	228	29826	0.470	ng		100
34) Bis(2-ethylhexyl)phtha...	21.562	149	16104	0.431	ng		100
36) Indeno(1,2,3-cd)pyrene	26.872	276	33464	0.426	ng		100
37) Benzo(b)fluoranthene	23.416	252	29192	0.428	ng		100
38) Benzo(k)fluoranthene	23.468	252	29861	0.426	ng		100
39) Benzo(a)pyrene	24.074	252	27476	0.423	ng		100
40) Dibenzo(a,h)anthracene	26.892	278	26868	0.425	ng		100
41) Benzo(g,h,i)perylene	27.693	276	28639	0.430	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051623\
Data File : BN025437.D
Acq On : 16 May 2023 11:03
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
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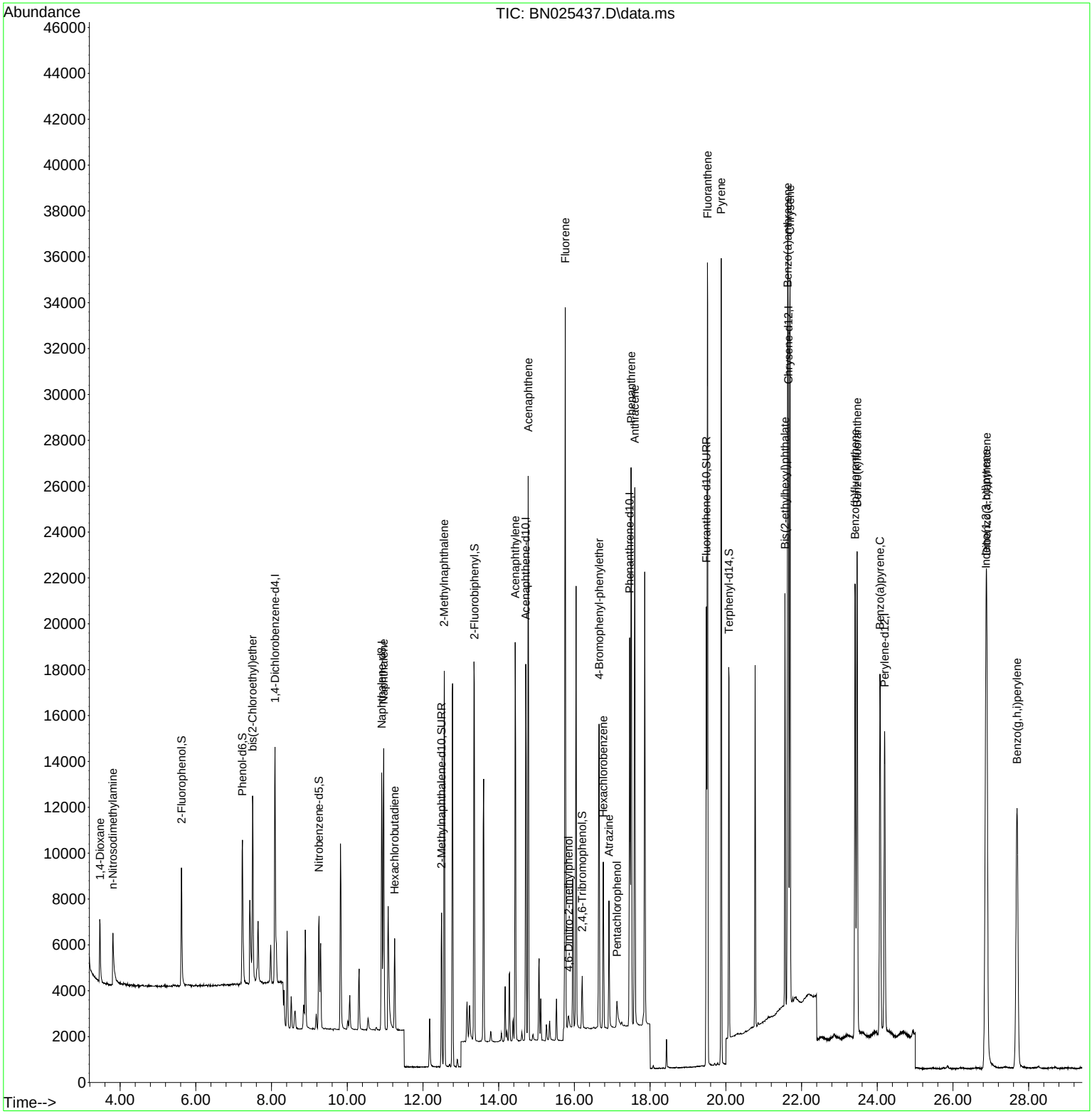
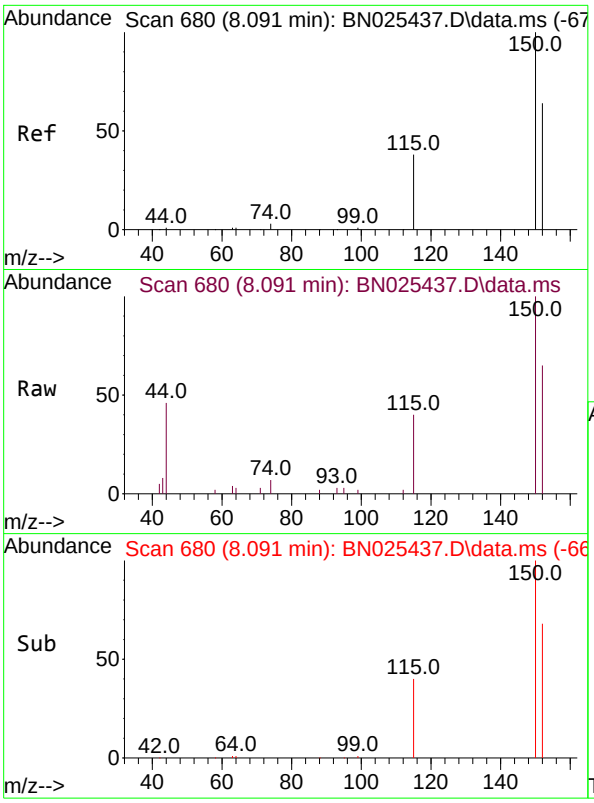
Quant Time: May 17 02:41:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 17 02:38:04 2023
Response via : Initial Calibration



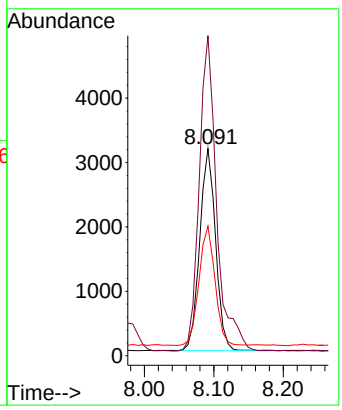


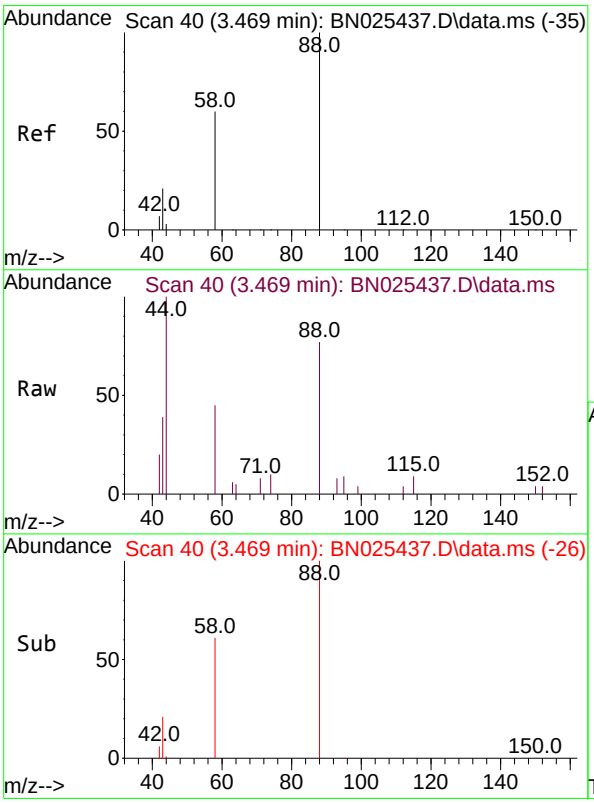
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.091 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 4986

Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.7	185.5
115	62.5	50.0	75.0

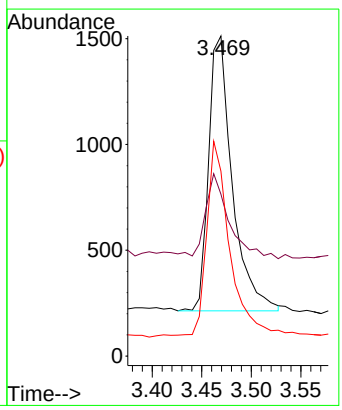


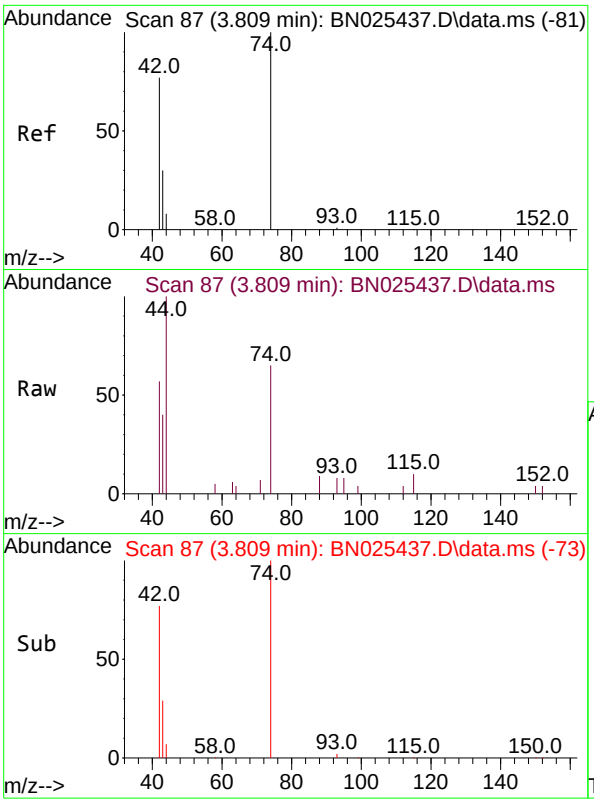


#2
1,4-Dioxane
Concen: 0.462 ng
RT: 3.469 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion: 88 Resp: 2156

Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.1	37.7
58	69.4	55.5	83.3



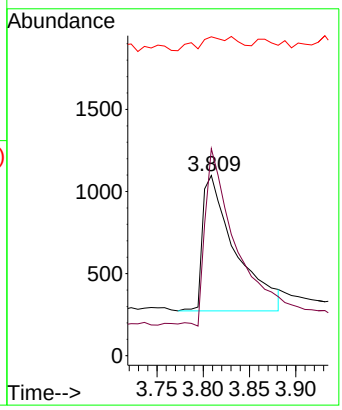


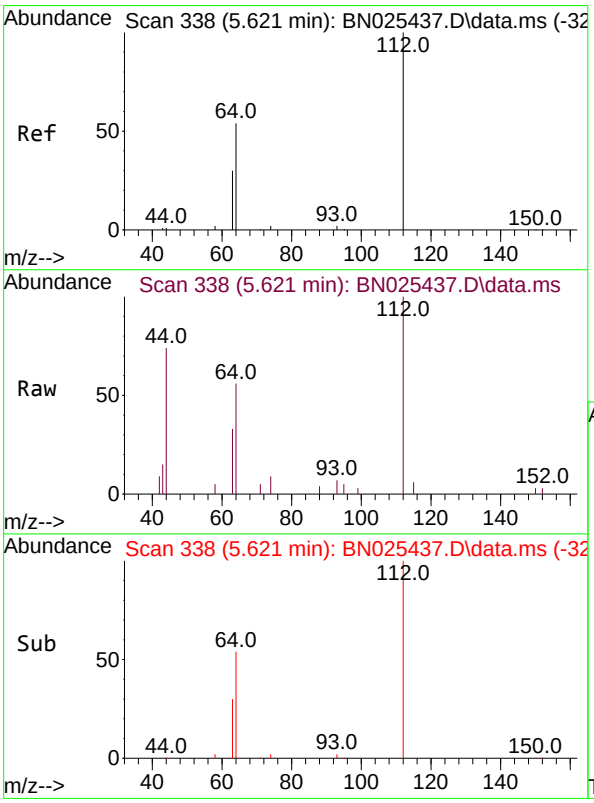
#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.809 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2034

Ion	Ratio	Lower	Upper
42	100		
74	125.1	100.1	150.1
44	0.0	0.0	0.0

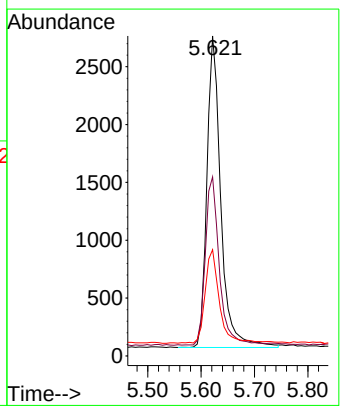


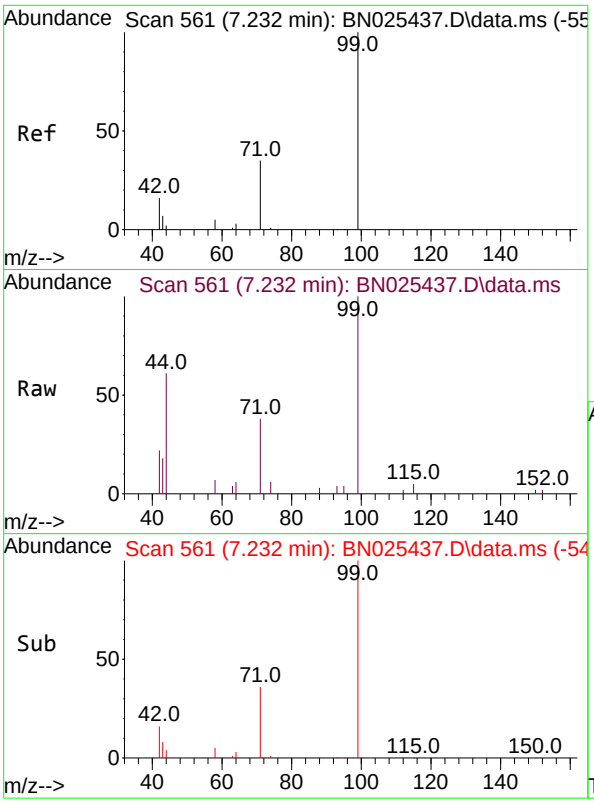


#4
2-Fluorophenol
Concen: 0.455 ng
RT: 5.621 min Scan# 338
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:112 Resp: 4875

Ion	Ratio	Lower	Upper
112	100		
64	54.9	43.9	65.9
63	31.2	25.0	37.4



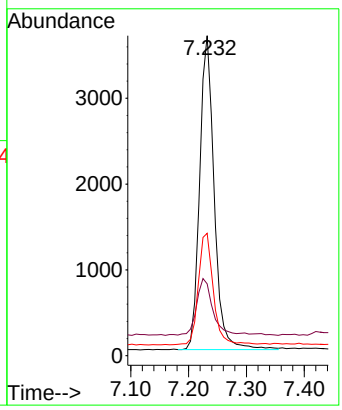


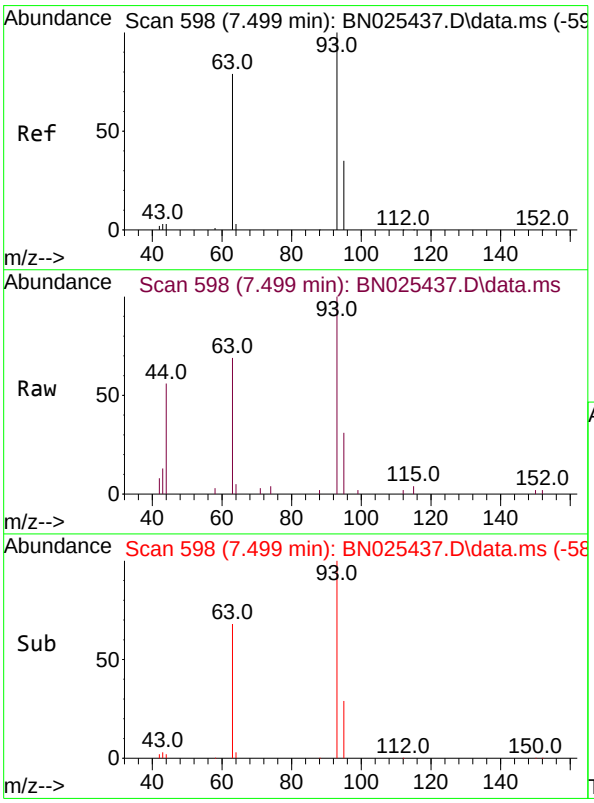
#5
Phenol-d6
Concen: 0.446 ng
RT: 7.232 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 6413

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.4	24.6
71	36.7	29.4	44.0

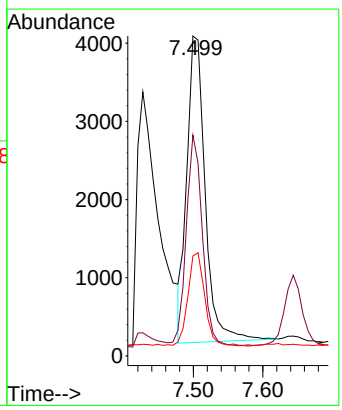


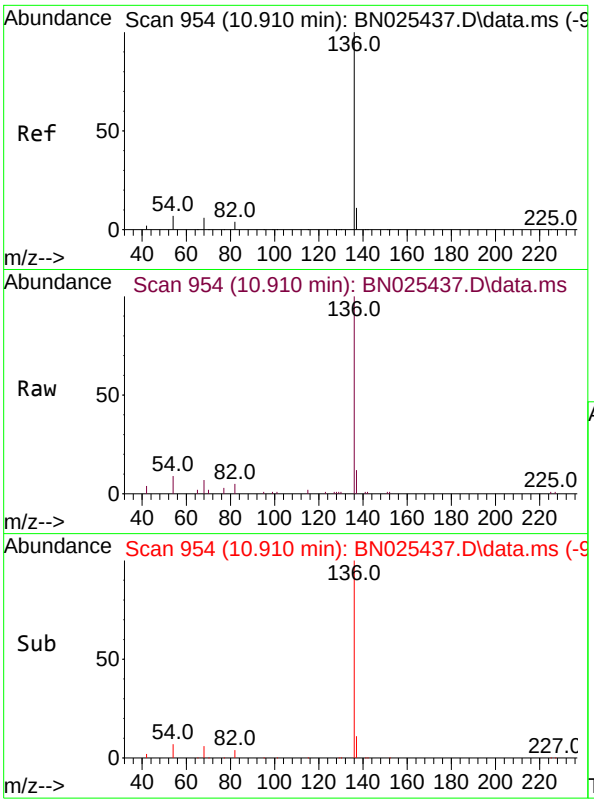


#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.499 min Scan# 598
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion: 93 Resp: 7209

Ion	Ratio	Lower	Upper
93	100		
63	60.6	48.5	72.7
95	27.5	22.0	33.0



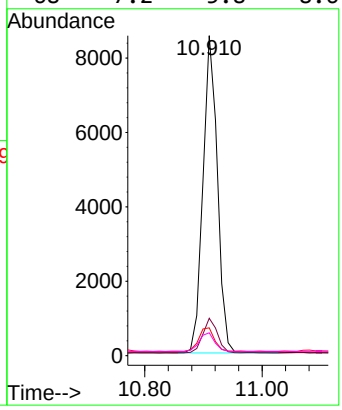


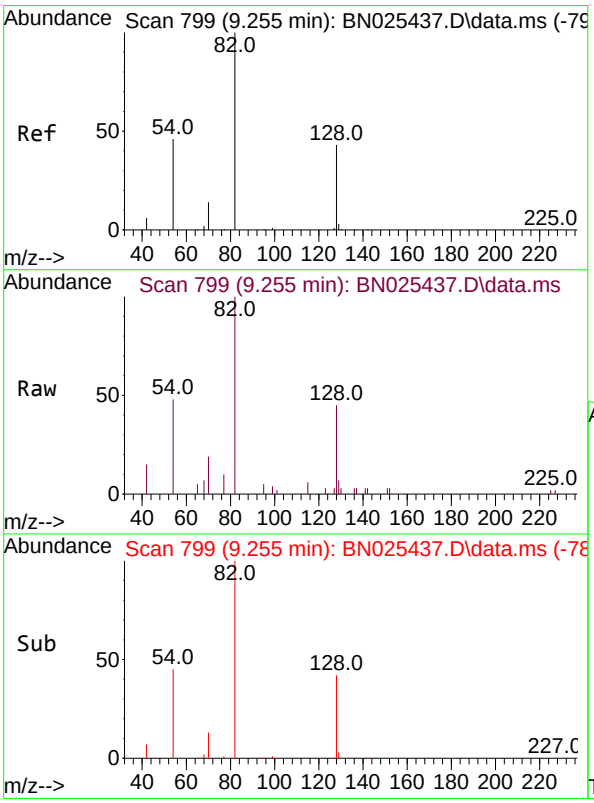
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.910 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 14591

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	8.7	7.0	10.4
68	7.2	5.8	8.6

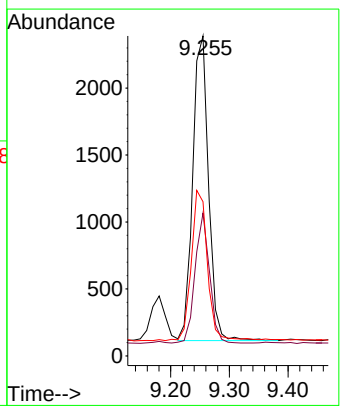


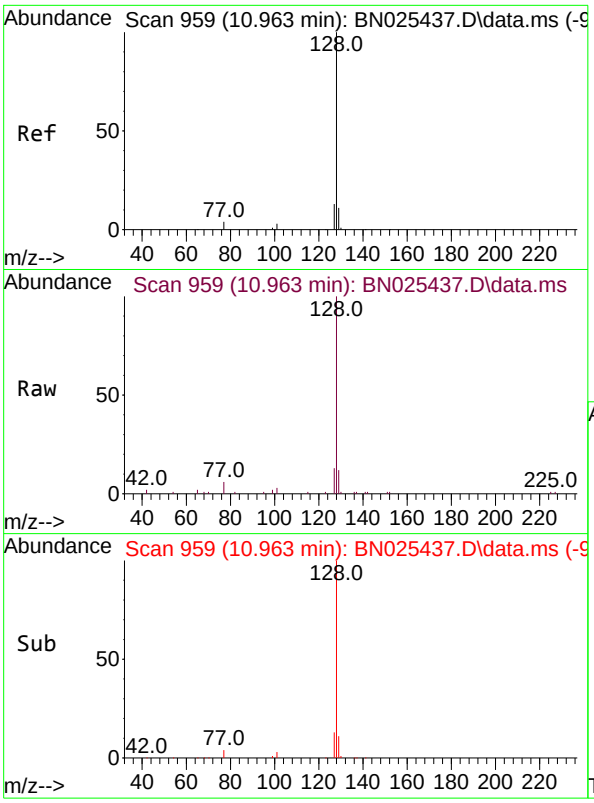


#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 9.255 min Scan# 799
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion: 82 Resp: 4261

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	48.2	38.6	57.8



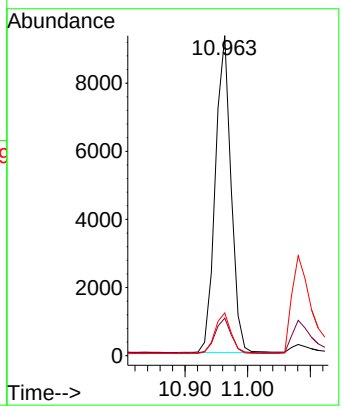


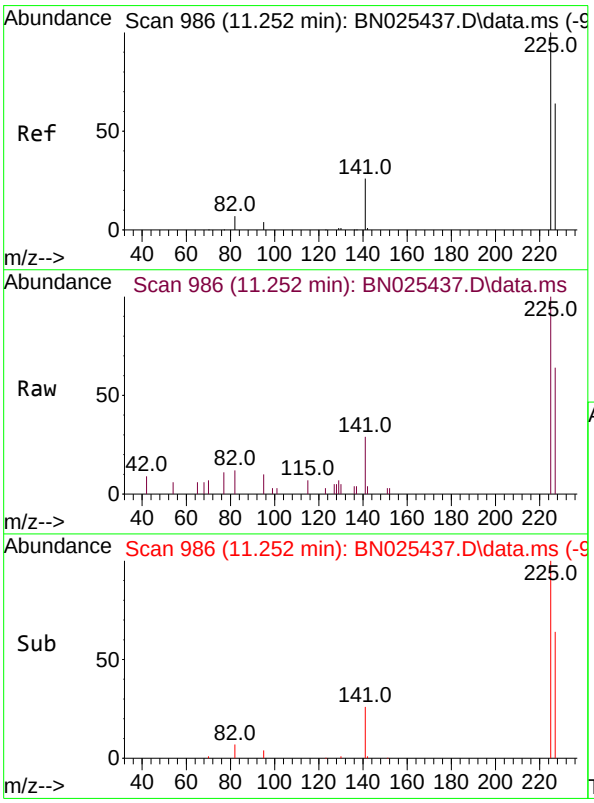
#9
Naphthalene
Concen: 0.444 ng
RT: 10.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 16157

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	13.3	10.6	16.0

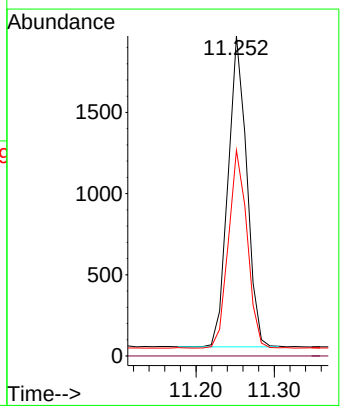


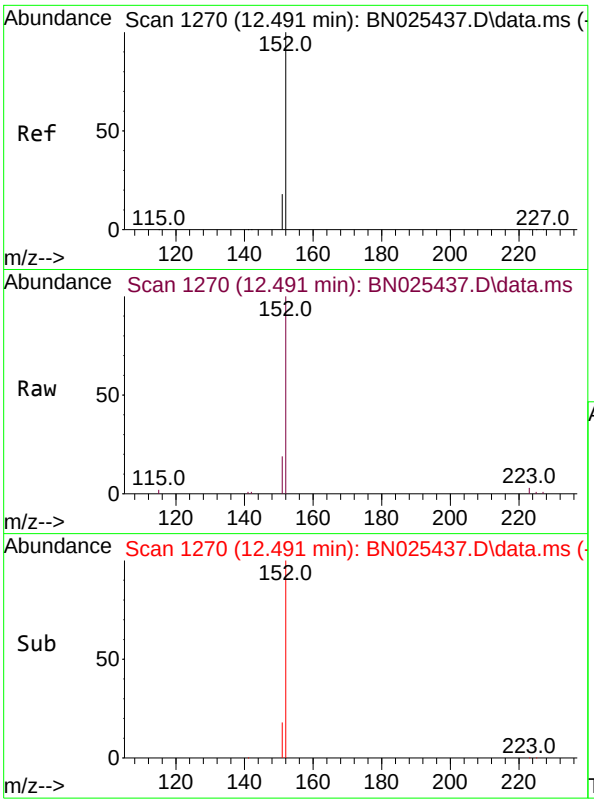


#10
Hexachlorobutadiene
Concen: 0.446 ng
RT: 11.252 min Scan# 986
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:225 Resp: 3181

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



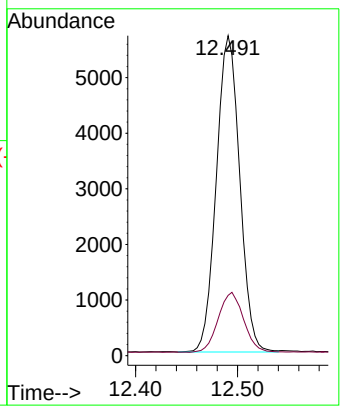


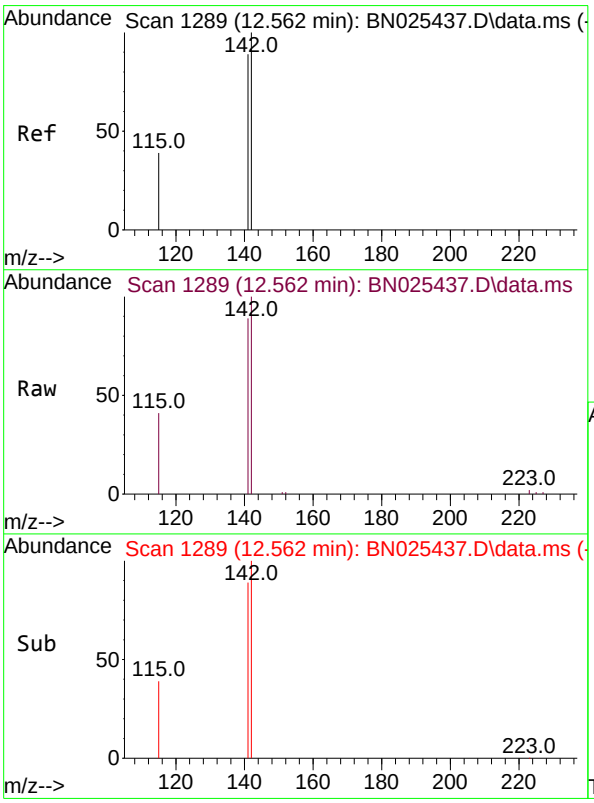
#11
2-Methylnaphthalene-d10
Concen: 0.444 ng
RT: 12.491 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 9051

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.5	24.7

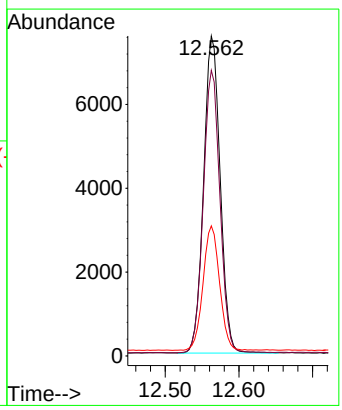


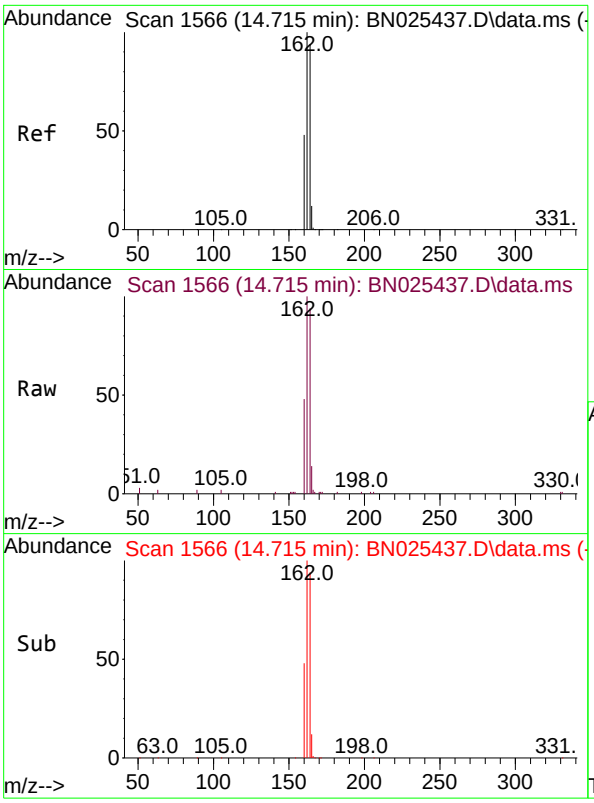


#12
2-Methylnaphthalene
Concen: 0.441 ng
RT: 12.562 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:142 Resp: 11823

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.0
115	40.7	32.6	48.8



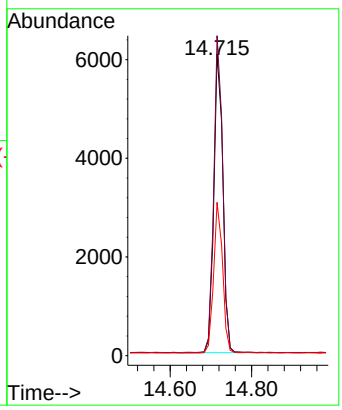


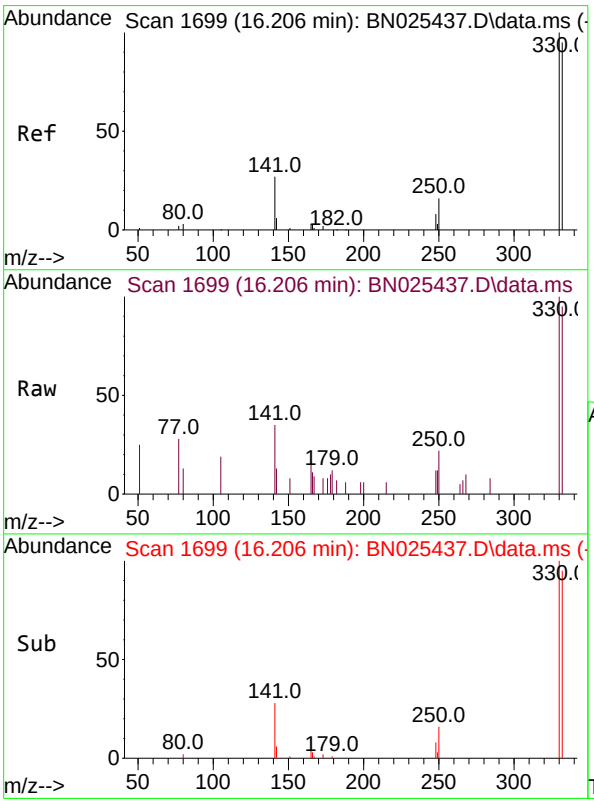
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 9301

Ion	Ratio	Lower	Upper
164	100		
162	106.0	84.8	127.2
160	50.8	40.6	61.0

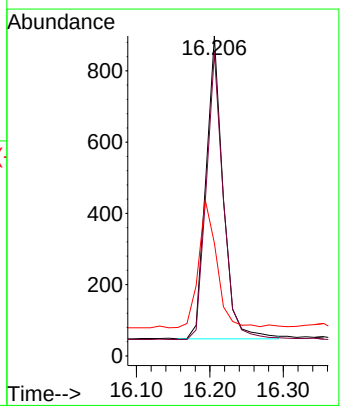


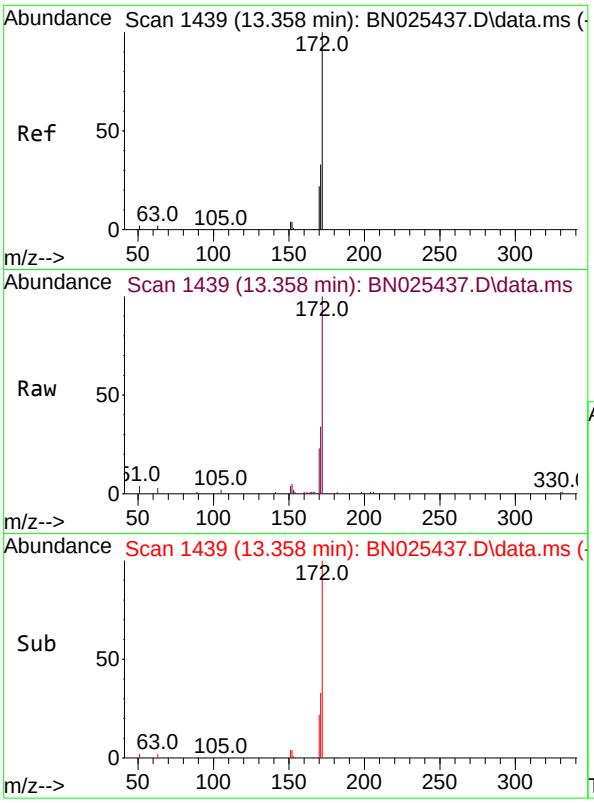


#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 16.206 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:330 Resp: 1390

Ion	Ratio	Lower	Upper
330	100		
332	94.4	75.5	113.3
141	44.1	35.3	52.9



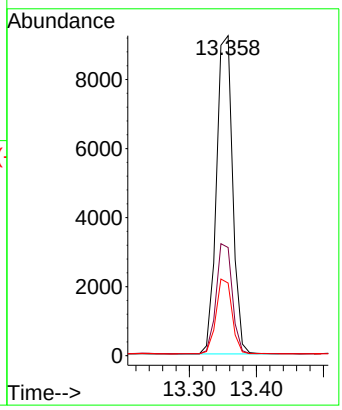


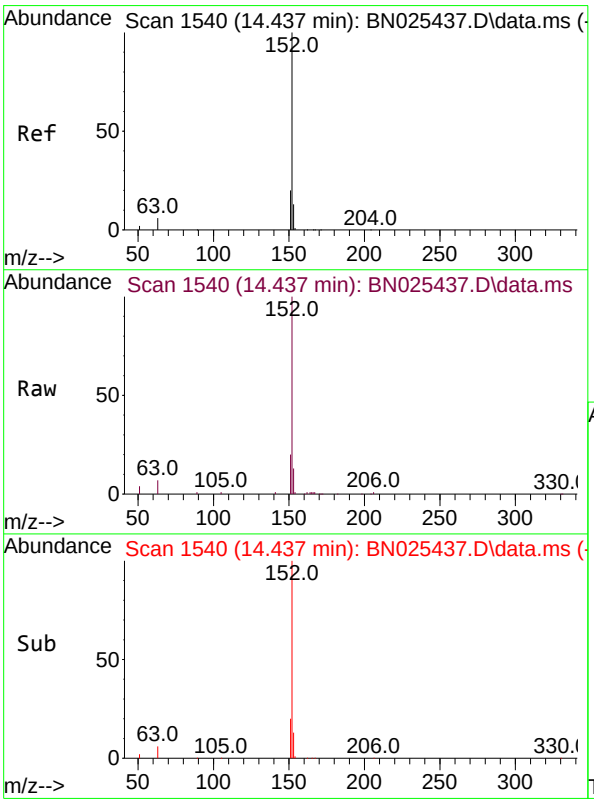
#15
2-Fluorobiphenyl
Concen: 0.455 ng
RT: 13.358 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 15479

Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.0	40.6
170	22.7	18.2	27.2

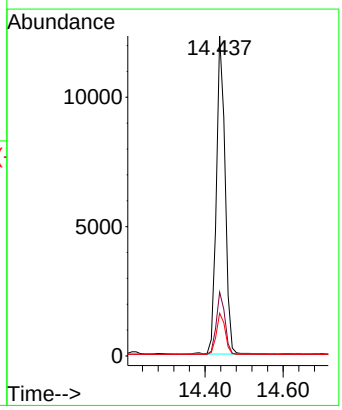


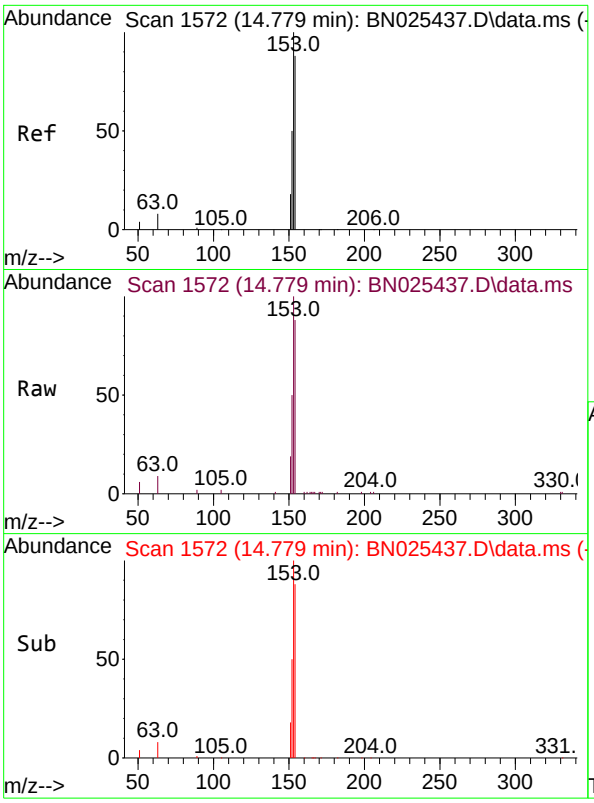


#16
Acenaphthylene
Concen: 0.443 ng
RT: 14.437 min Scan# 1540
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:152 Resp: 19015

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.0	10.4	15.6



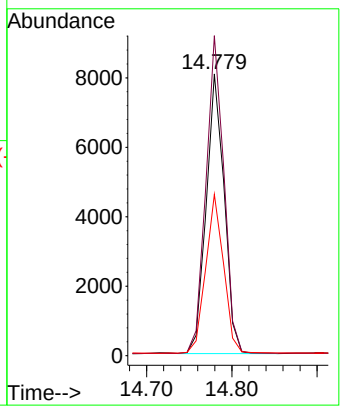


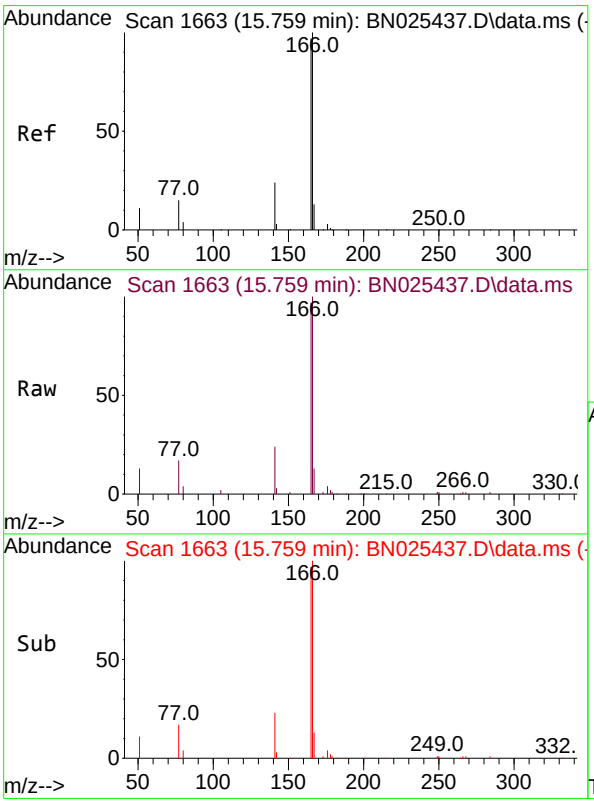
#17
Acenaphthene
Concen: 0.443 ng
RT: 14.779 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 11803

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.6	135.8
152	57.1	45.7	68.5

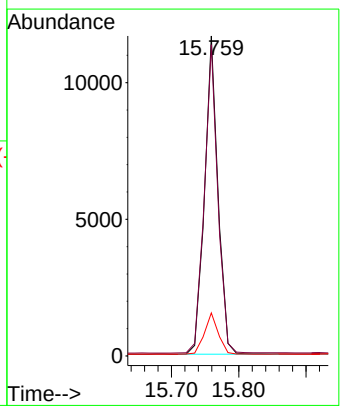


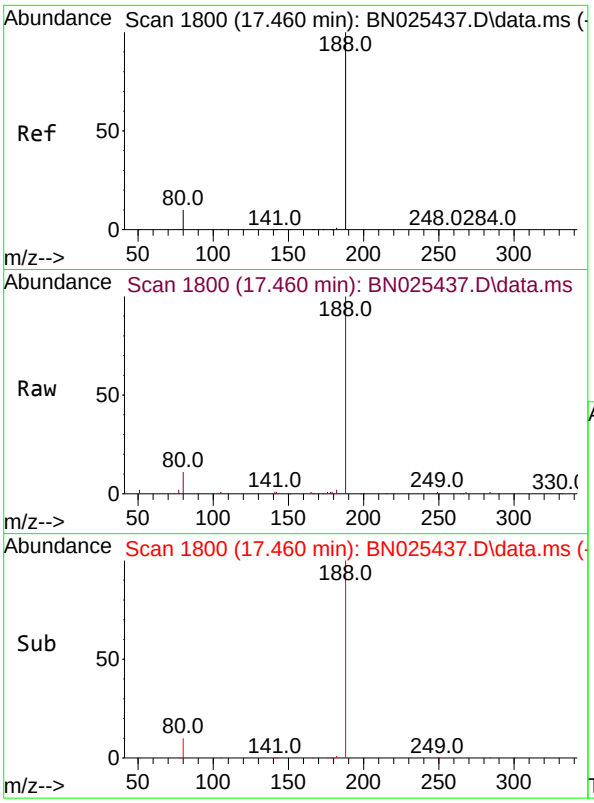


#18
Fluorene
Concen: 0.461 ng
RT: 15.759 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:166 Resp: 16142

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.7	115.1
167	13.1	10.5	15.7



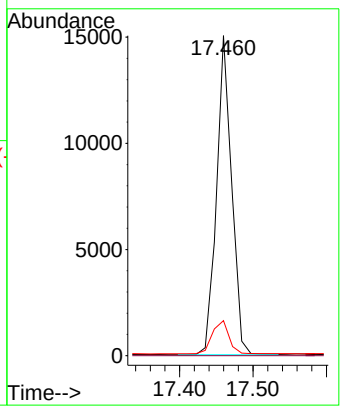


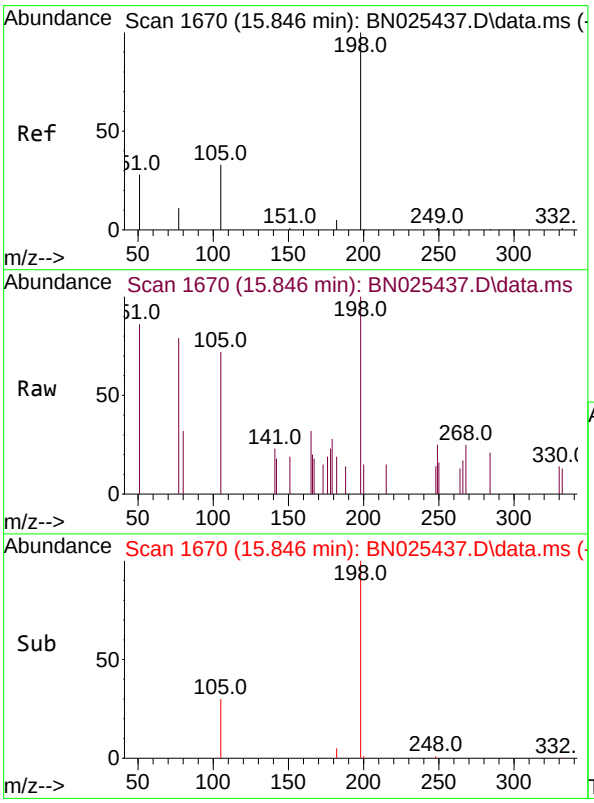
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 21412

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	8.7	13.1

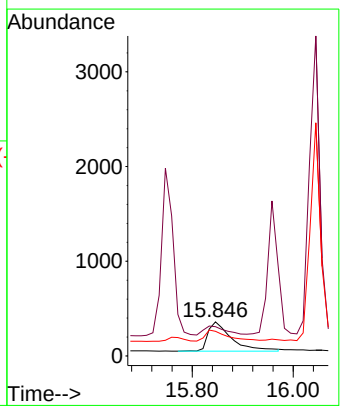


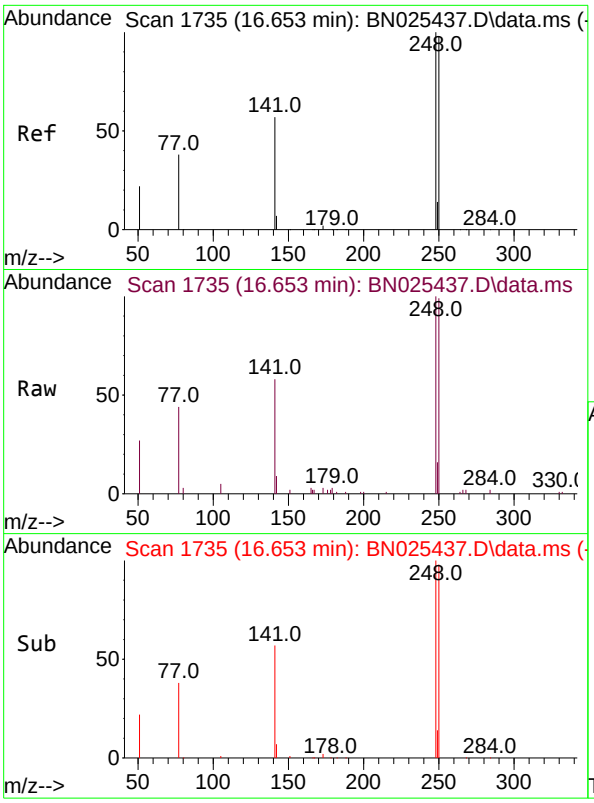


#20
4,6-Dinitro-2-methylphenol
Concen: 0.415 ng
RT: 15.846 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:198 Resp: 1014

Ion	Ratio	Lower	Upper
198	100		
51	85.6	68.5	102.7
105	72.0	57.6	86.4



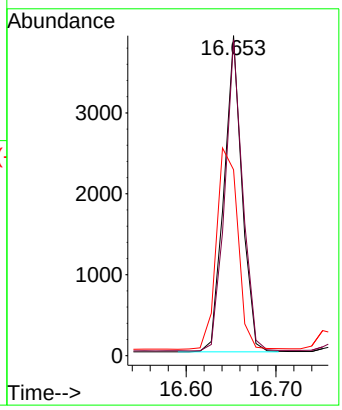


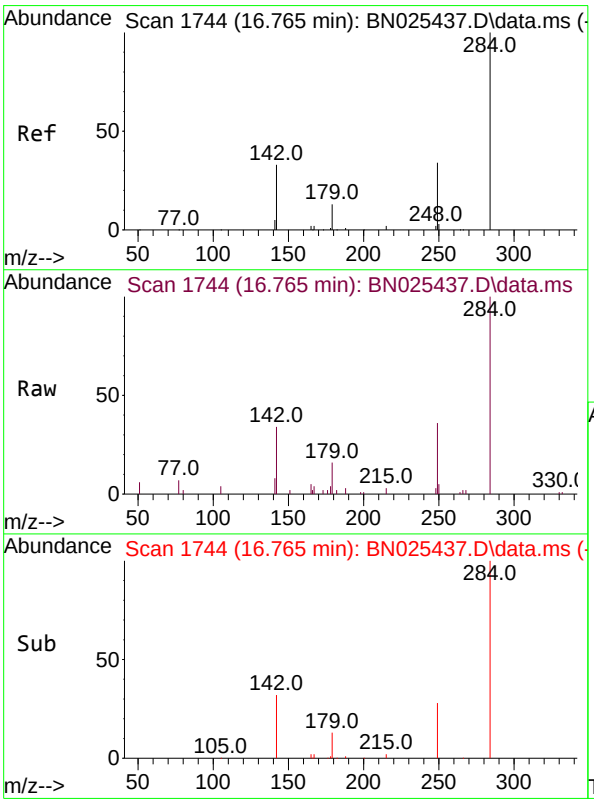
#21
4-Bromophenyl-phenylether
Concen: 0.439 ng
RT: 16.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 5454

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	58.1	46.5	69.7

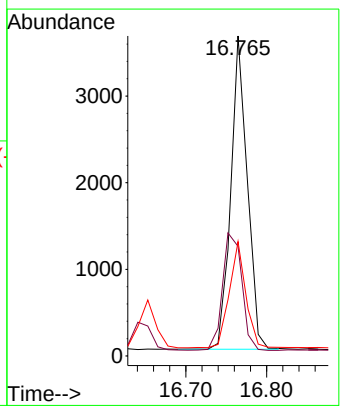


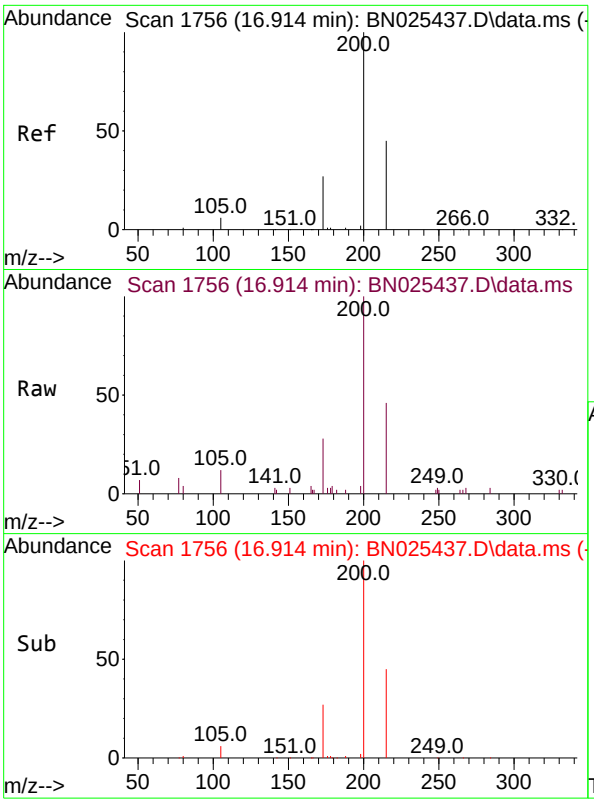


#22
Hexachlorobenzene
Concen: 0.443 ng
RT: 16.765 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:284 Resp: 5103

Ion	Ratio	Lower	Upper
284	100		
142	44.0	35.2	52.8
249	33.9	27.1	40.7



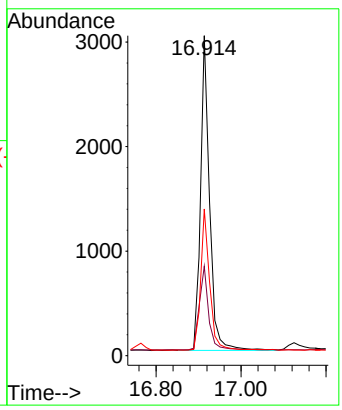


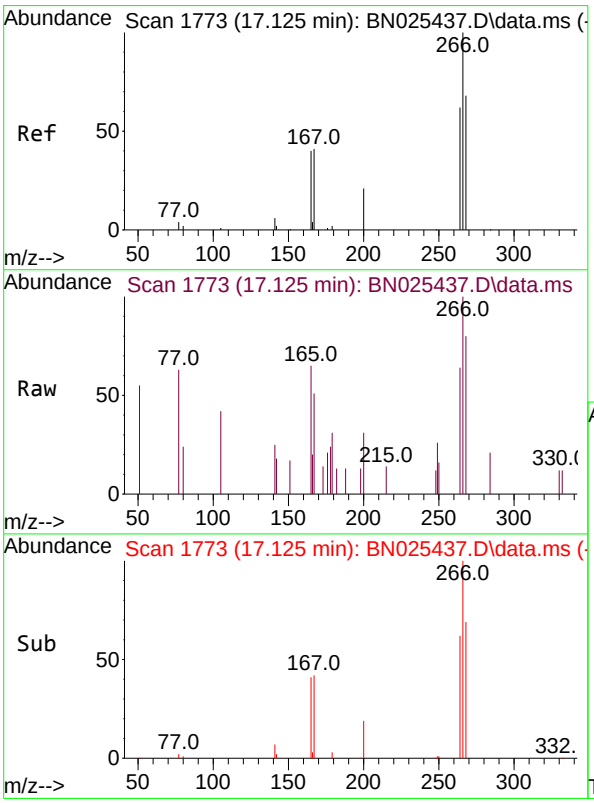
#23
Atrazine
Concen: 0.424 ng
RT: 16.914 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 4429

Ion	Ratio	Lower	Upper
200	100		
173	28.0	22.4	33.6
215	45.9	36.7	55.1

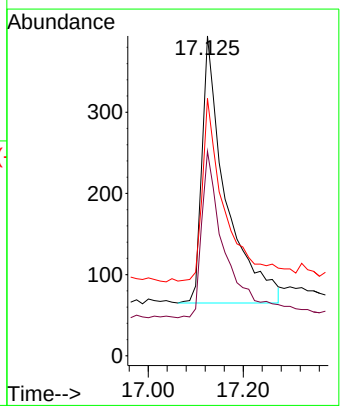


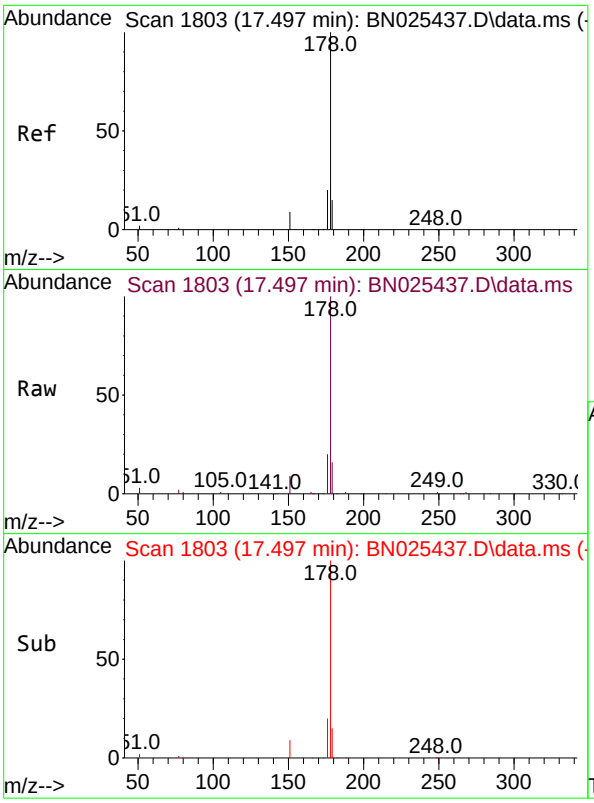


#24
Pentachlorophenol
Concen: 0.407 ng
RT: 17.125 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:266 Resp: 1142

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.5	74.3
268	63.7	51.0	76.4





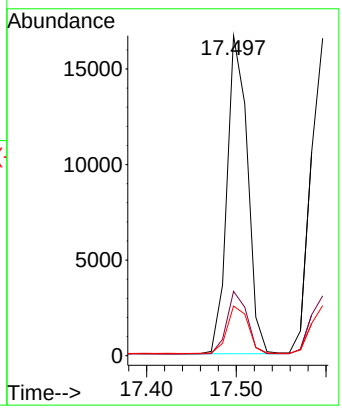
#25
Phenanthrene
Concen: 0.439 ng
RT: 17.497 min Scan# 1

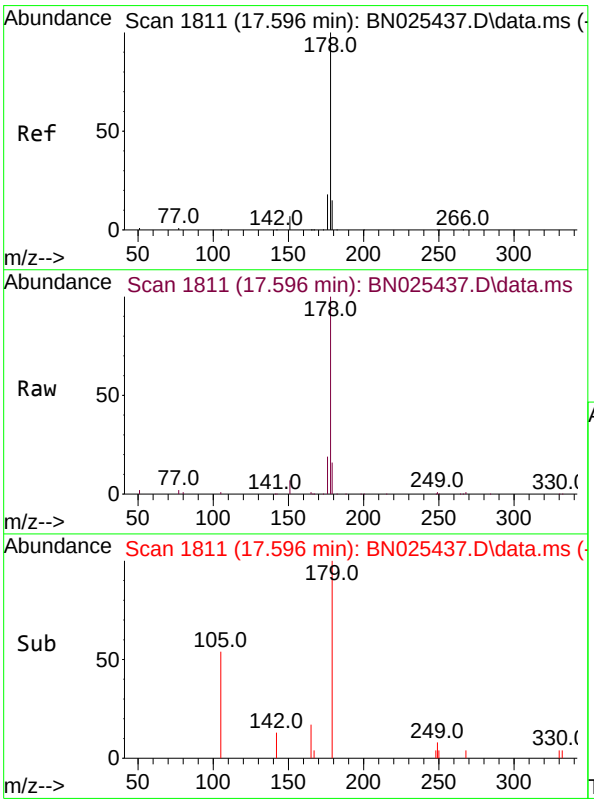
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:178 Resp: 26464

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.3	12.2	18.4

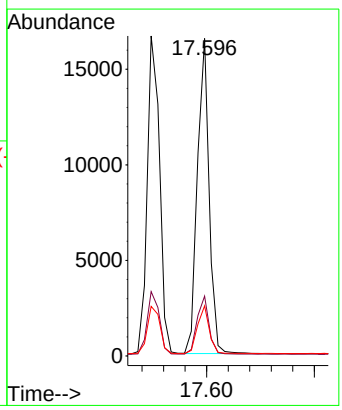


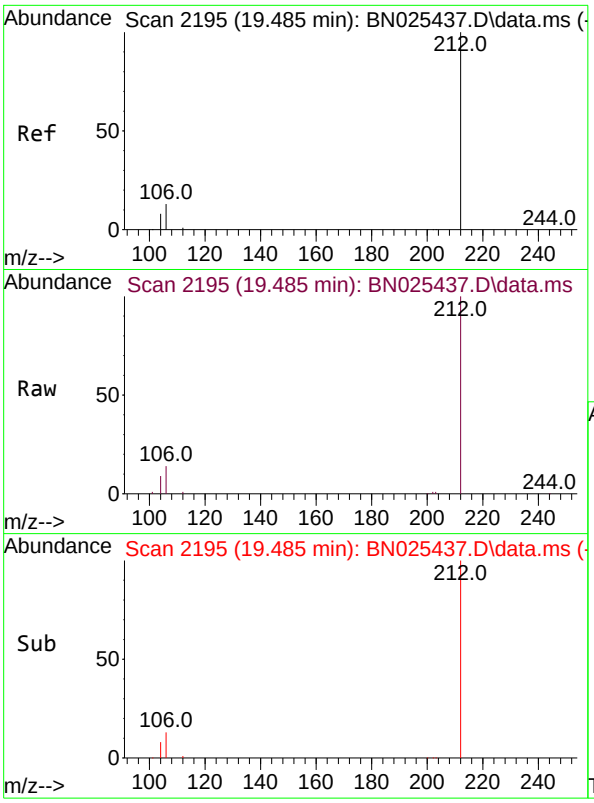


#26
Anthracene
Concen: 0.430 ng
RT: 17.596 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:178 Resp: 25059

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.1	12.1	18.1



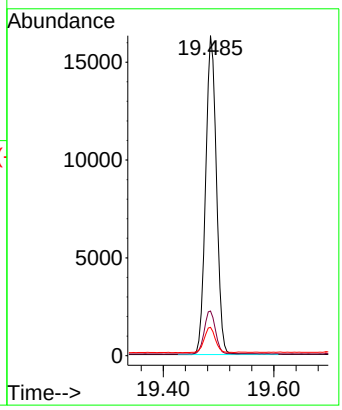


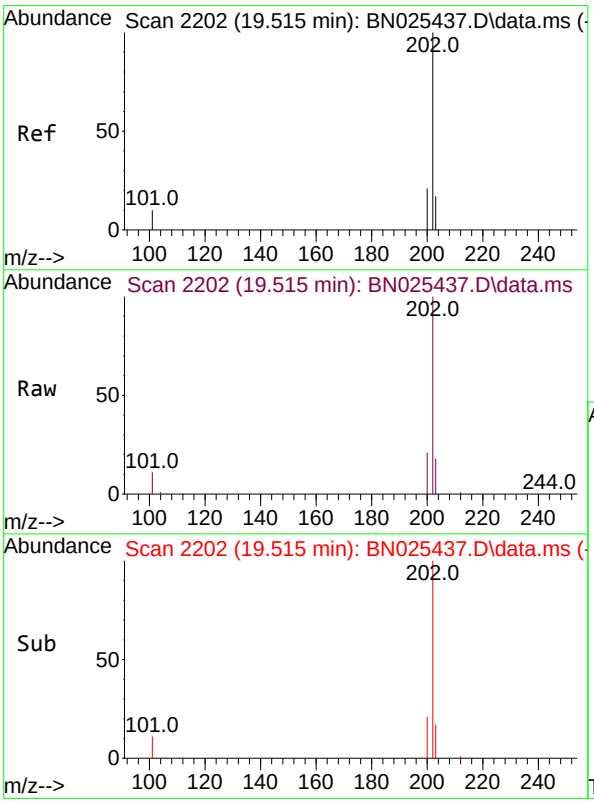
#27
Fluoranthene-d10
Concen: 0.434 ng
RT: 19.485 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 22124

Ion	Ratio	Lower	Upper
212	100		
106	13.9	11.1	16.7
104	8.3	6.6	10.0

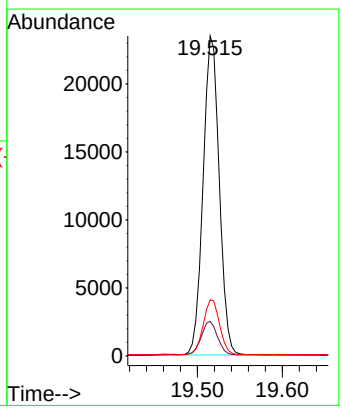


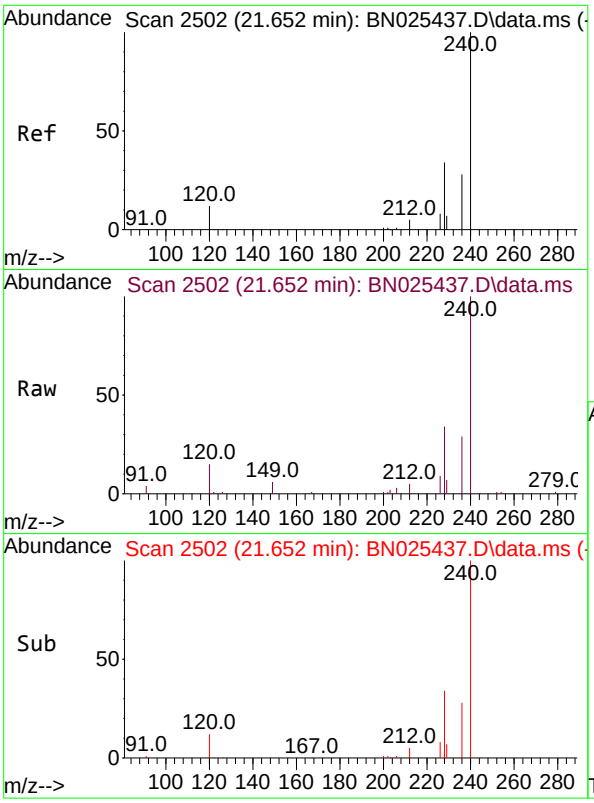


#28
Fluoranthene
Concen: 0.434 ng
RT: 19.515 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:202 Resp: 30936

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.6	13.0
203	17.4	13.9	20.9



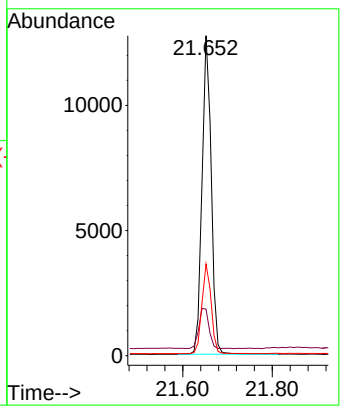


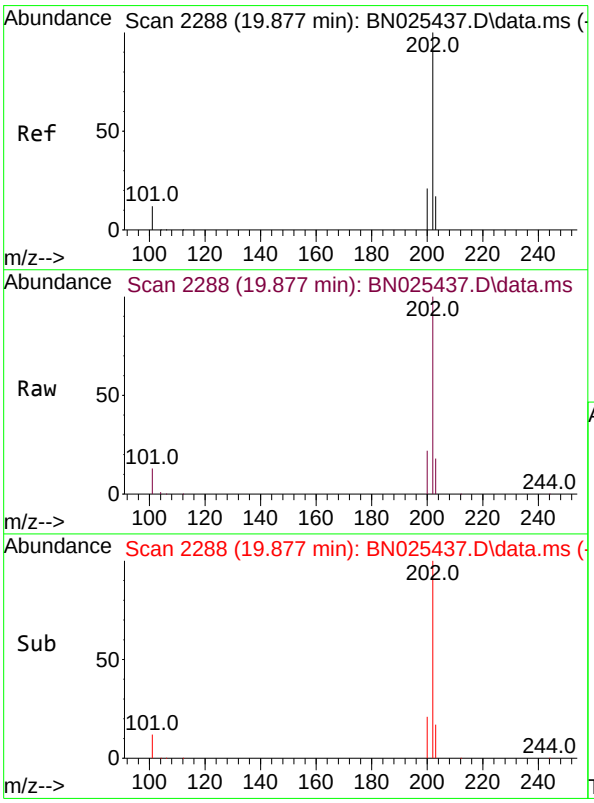
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.652 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 18193

Ion	Ratio	Lower	Upper
240	100		
120	14.5	11.6	17.4
236	28.6	22.9	34.3

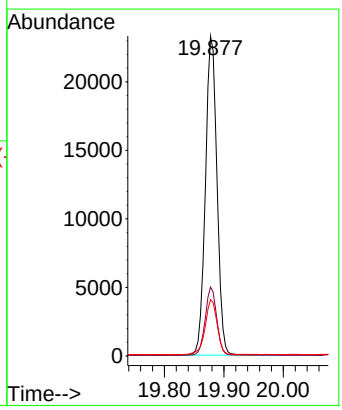


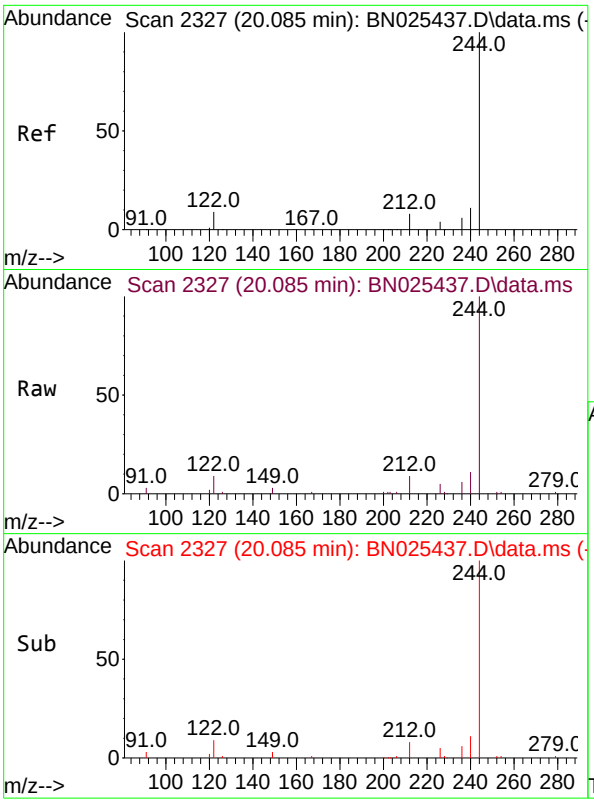


#30
Pyrene
Concen: 0.453 ng
RT: 19.877 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:202 Resp: 31462

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.8	14.2	21.4



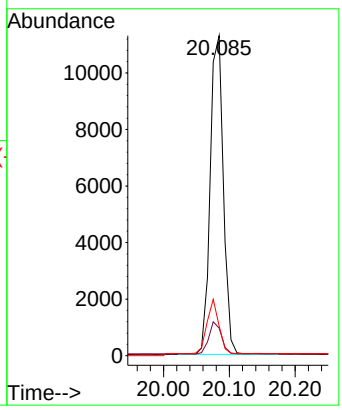


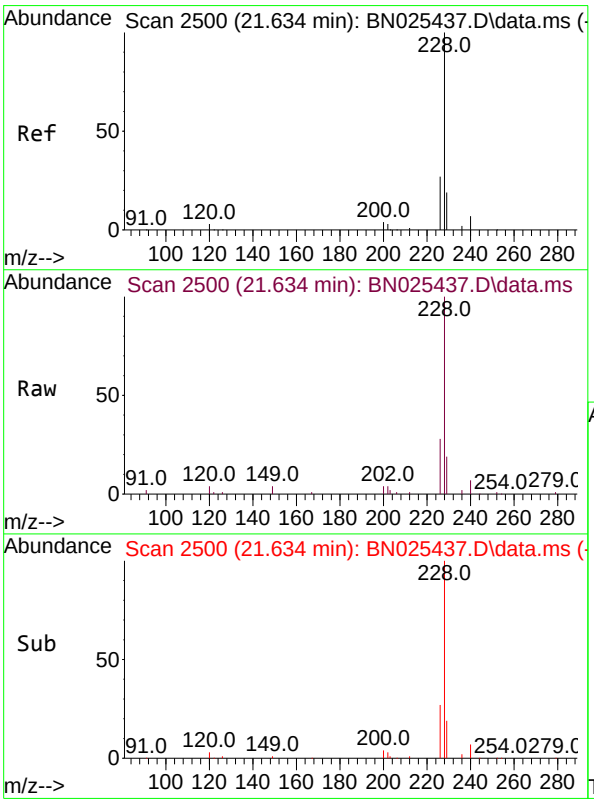
#31
Terphenyl-d14
Concen: 0.474 ng
RT: 20.085 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 15684

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	9.3	7.4	11.2

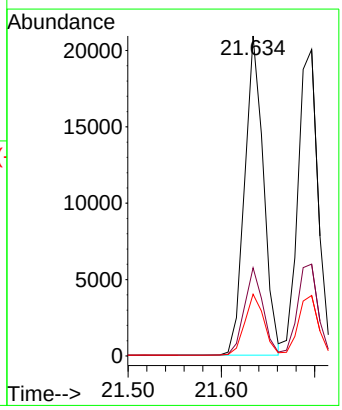


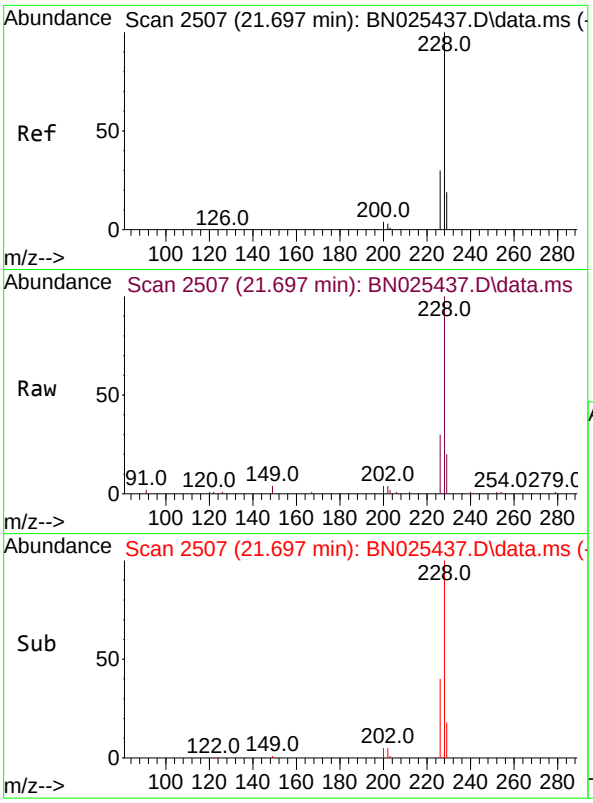


#32
Benzo(a)anthracene
Concen: 0.459 ng
RT: 21.634 min Scan# 2500
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:228 Resp: 29324

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.3	15.4	23.2



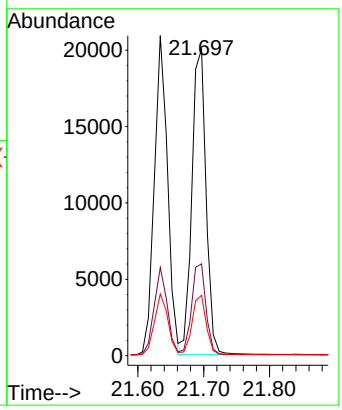


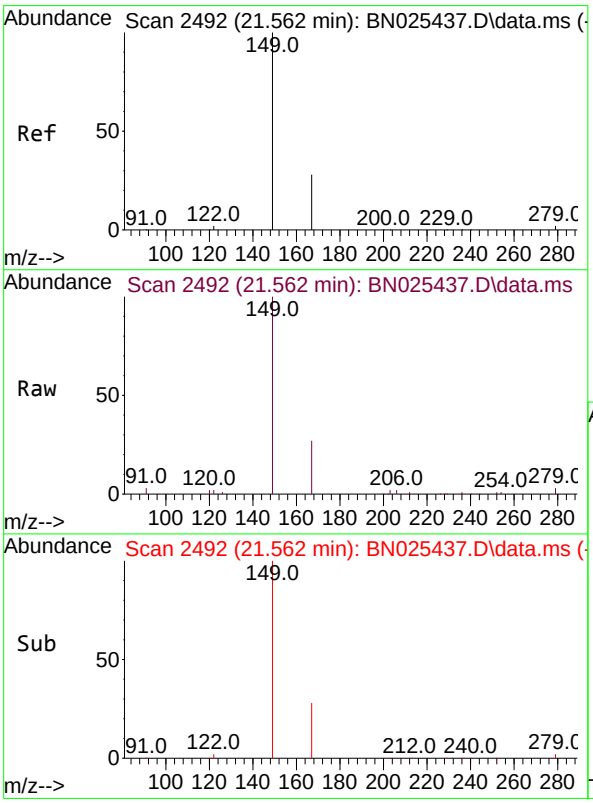
#33
Chrysene
Concen: 0.470 ng
RT: 21.697 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 29826

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.7	15.8	23.6

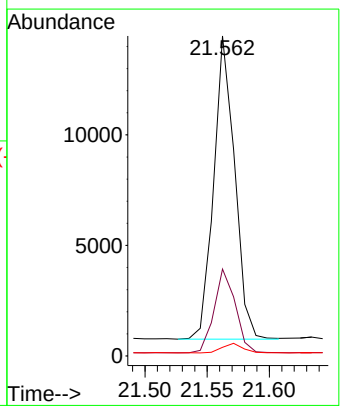


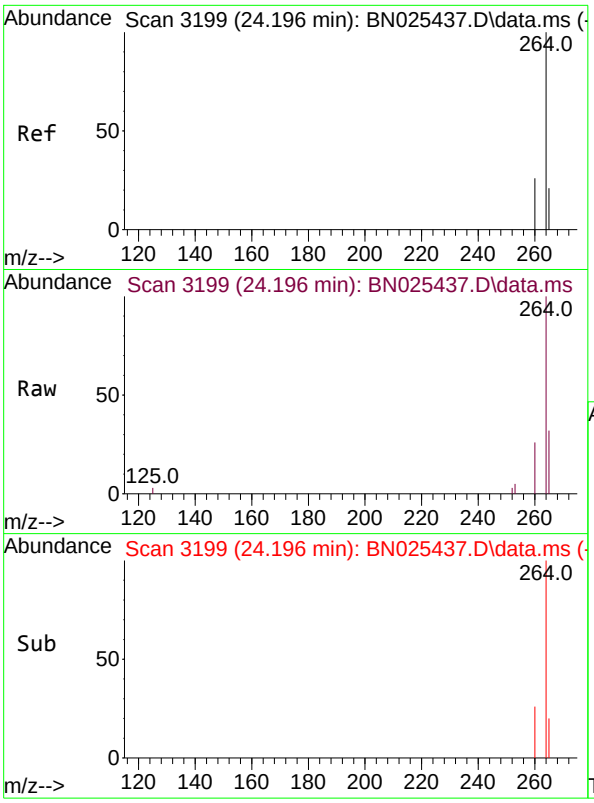


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.431 ng
RT: 21.562 min Scan# 2492
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:149 Resp: 16104

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.1	2.5	3.7



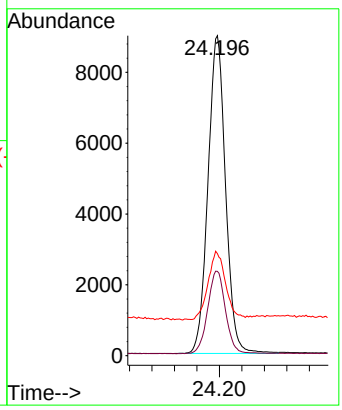


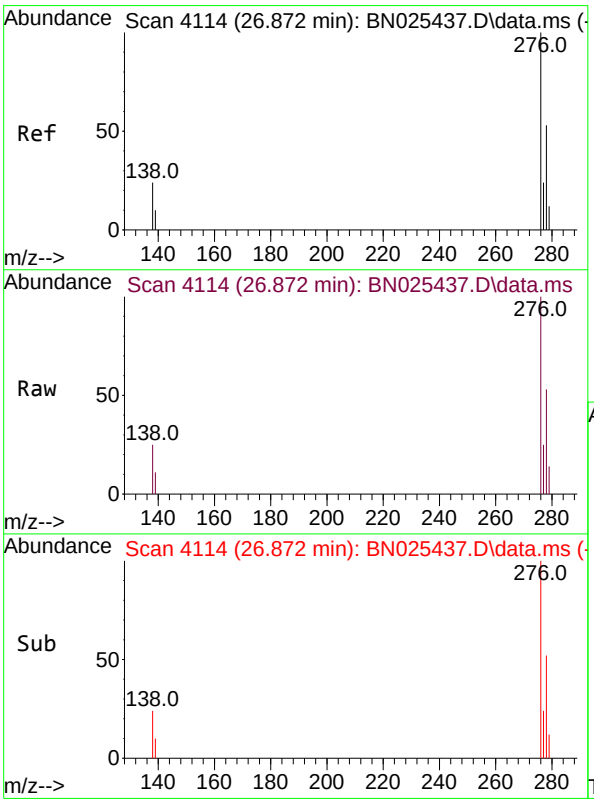
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.196 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 19464

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.0	31.6
265	31.9	25.5	38.3

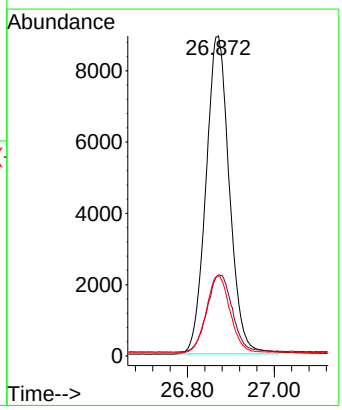


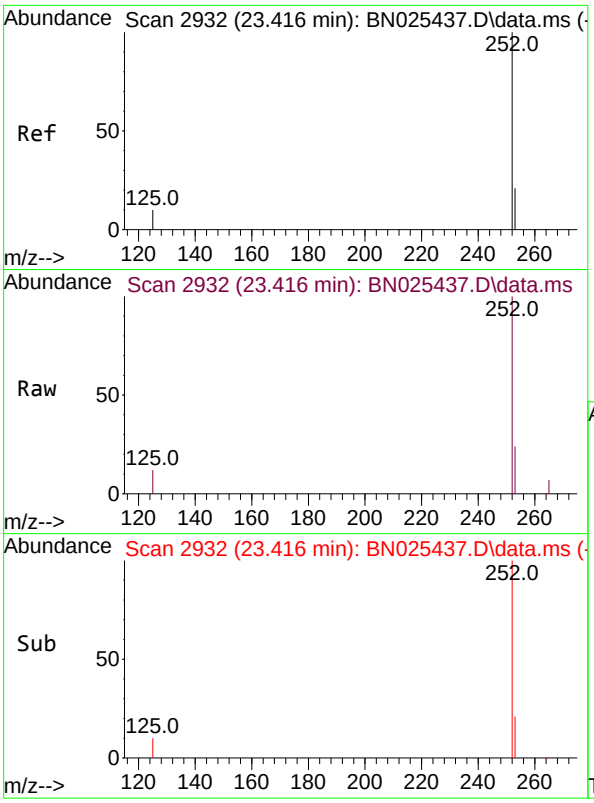


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 26.872 min Scan# 4114
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:276 Resp: 33464

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.0	31.6
277	24.7	19.8	29.6



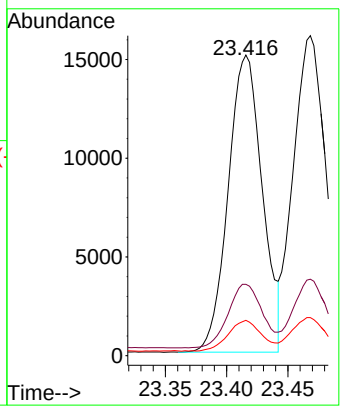


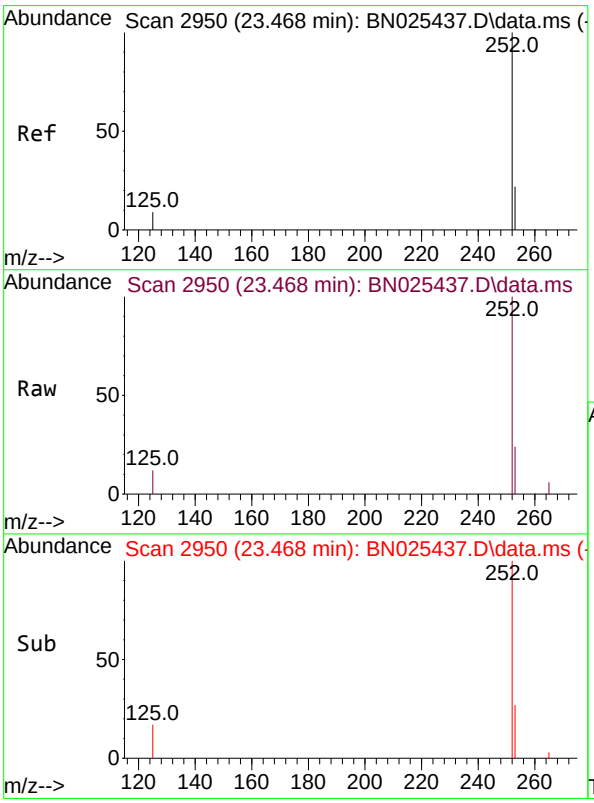
#37
Benzo(b)fluoranthene
Concen: 0.428 ng
RT: 23.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 29192

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.4
125	11.8	9.4	14.2

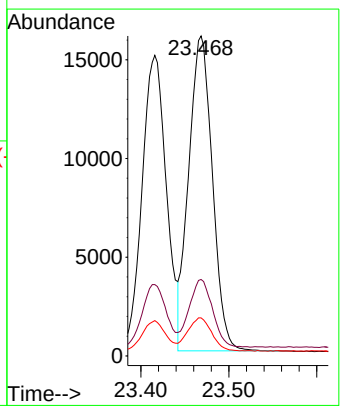


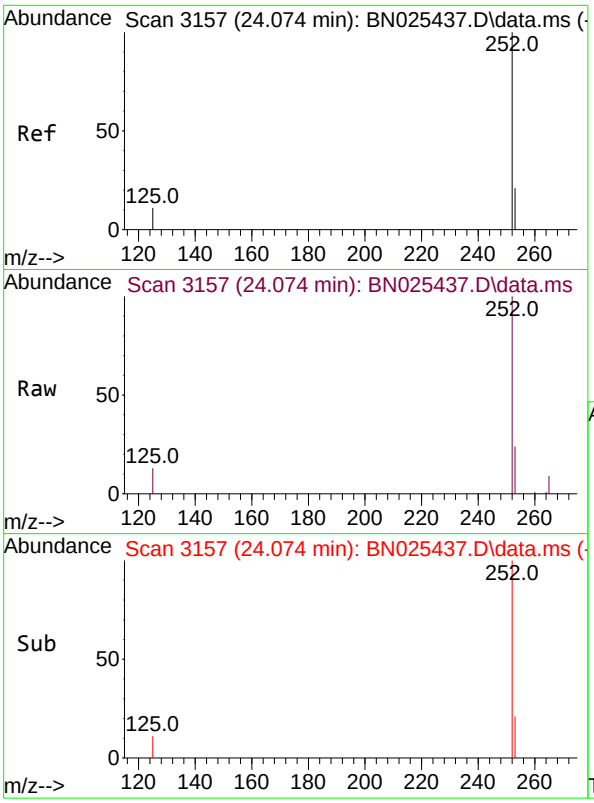


#38
Benzo(k)fluoranthene
Concen: 0.426 ng
RT: 23.468 min Scan# 2950
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:252 Resp: 29861

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.1	28.7
125	11.9	9.5	14.3



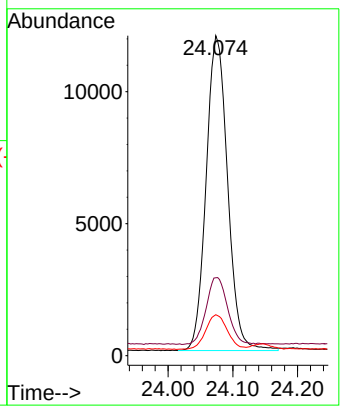


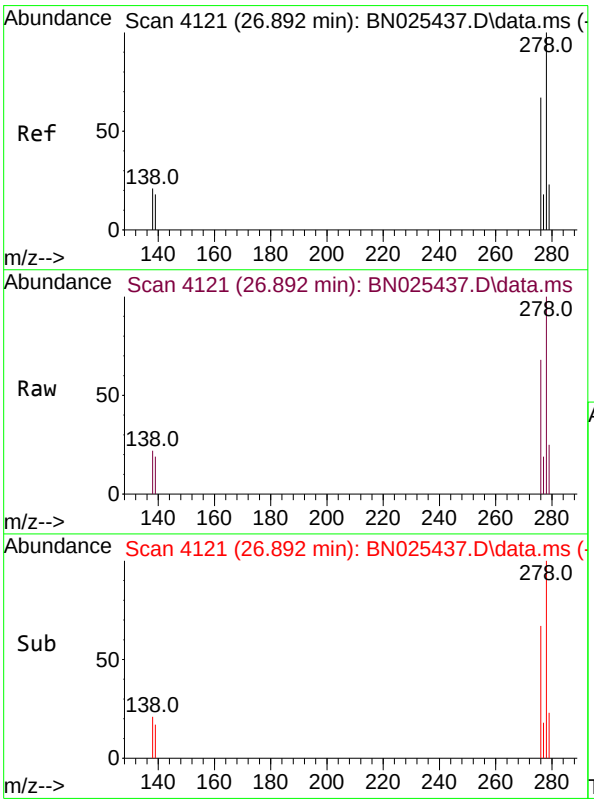
#39
Benzo(a)pyrene
Concen: 0.423 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 27476

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	12.8	10.2	15.4

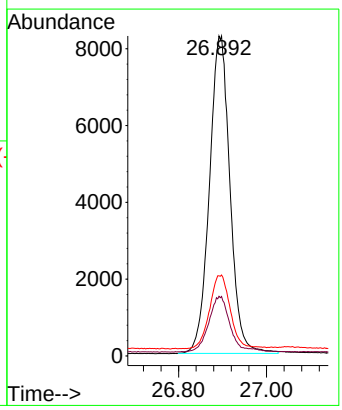


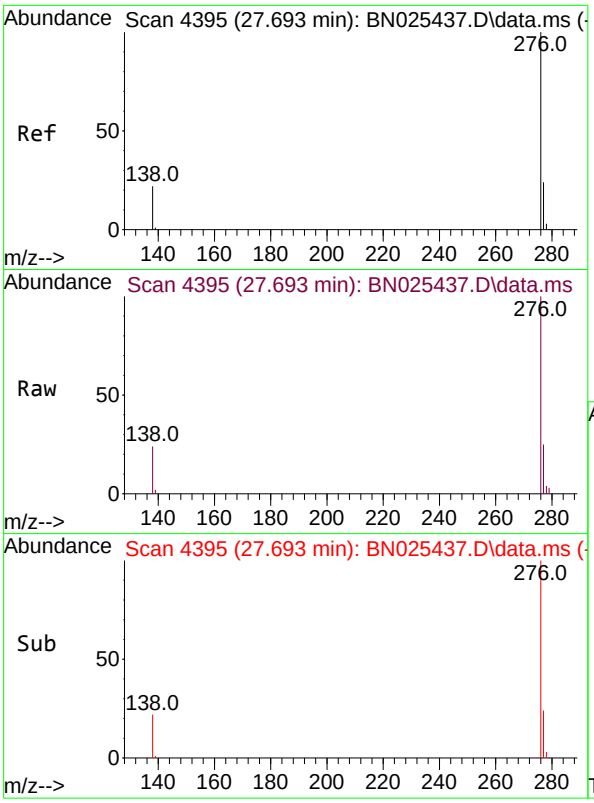


#40
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 26.892 min Scan# 4121
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Tgt Ion:278 Resp: 26868

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.0	22.4
279	25.1	20.1	30.1





#41
Benzo(g,h,i)perylene
Concen: 0.430 ng
RT: 27.693 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN025437.D
Acq: 16 May 2023 11:03

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 28639

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.6	29.4
138	23.8	19.0	28.6