Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036925.D
Acq On : 28 Apr 2025 12:47
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Apr 28 15:12:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:11:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.633	152	2374	0.400	ng		0.00
7) Naphthalene-d8	10.415	136	5831	0.400	ng		0.00
13) Acenaphthene-d10	14.277	164	3051	0.400	ng		0.00
19) Phenanthrene-d10	17.021	188	5711	0.400	ng		0.00
29) Chrysene-d12	21.216	240	4119	0.400	ng		0.00
35) Perylene-d12	23.427	264	3630	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.221	112	2654	0.433	ng		0.00
5) Phenol-d6	6.802	99	3175	0.425	ng		0.00
8) Nitrobenzene-d5	8.781	82	2394	0.395	ng		0.00
11) 2-Methylnaphthalene-d10	12.006	152	3153	0.390	ng		0.00
14) 2,4,6-Tribromophenol	15.767	330	540	0.404	ng		0.00
15) 2-Fluorobiphenyl	12.899	172	6270	0.425	ng		0.00
27) Fluoranthene-d10	19.059	212	5661	0.387	ng		0.00
31) Terphenyl-d14	19.667	244	3895	0.397	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.155	88	1309	0.437	ng		100
3) n-Nitrosodimethylamine	3.466	42	2398	0.414	ng		100
6) bis(2-Chloroethyl)ether	7.062	93	2778	0.401	ng		100
9) Naphthalene	10.458	128	6735	0.397	ng		100
10) Hexachlorobutadiene	10.757	225	1476	0.399	ng	#	100
12) 2-Methylnaphthalene	12.082	142	4195	0.386	ng		100
16) Acenaphthylene	13.999	152	5817	0.394	ng		100
17) Acenaphthene	14.342	154	3889	0.398	ng		100
18) Fluorene	15.325	166	4955	0.390	ng		100
20) 4,6-Dinitro-2-methylph...	15.411	198	516	0.361	ng		100
21) 4-Bromophenyl-phenylether	16.227	248	1494	0.393	ng		100
22) Hexachlorobenzene	16.338	284	1714	0.408	ng		100
23) Atrazine	16.500	200	1139	0.380	ng		100
24) Pentachlorophenol	16.686	266	824	0.378	ng		100
25) Phenanthrene	17.058	178	7417	0.395	ng		100
26) Anthracene	17.158	178	6553	0.390	ng		100
28) Fluoranthene	19.091	202	7988	0.384	ng		100
30) Pyrene	19.454	202	8067	0.403	ng		100
32) Benzo(a)anthracene	21.207	228	5885	0.392	ng		100
33) Chrysene	21.251	228	6742	0.410	ng		100
34) Bis(2-ethylhexyl)phtha...	21.144	149	3434	0.400	ng		100
36) Indeno(1,2,3-cd)pyrene	25.646	276	6214	0.418	ng		100
37) Benzo(b)fluoranthene	22.766	252	5932	0.394	ng		100
38) Benzo(k)fluoranthene	22.807	252	5983	0.393	ng		100
39) Benzo(a)pyrene	23.331	252	4940	0.398	ng		100
40) Dibenzo(a,h)anthracene	25.658	278	4897	0.419	ng		100
41) Benzo(g,h,i)perylene	26.316	276	5500	0.420	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036925.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
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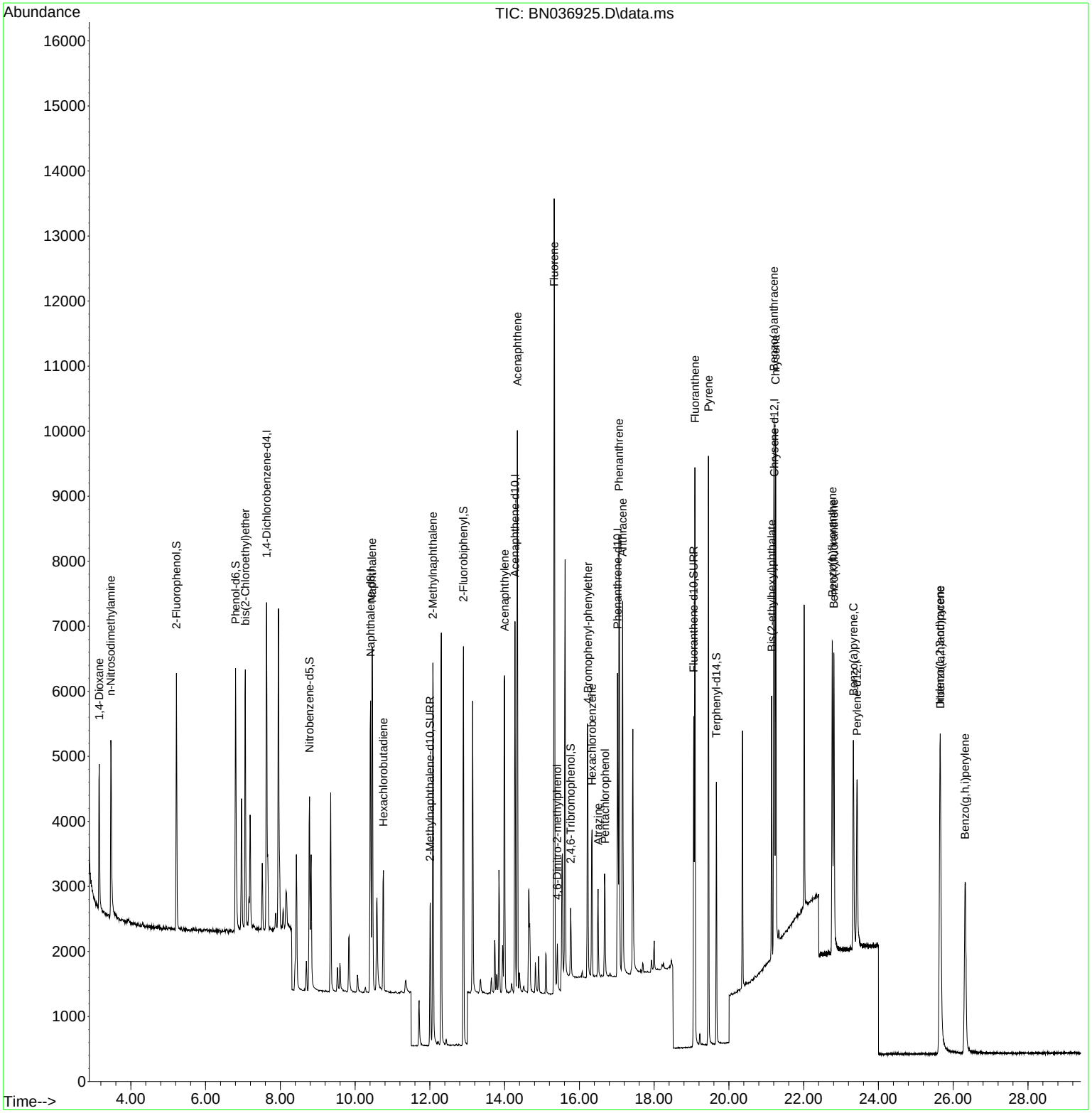
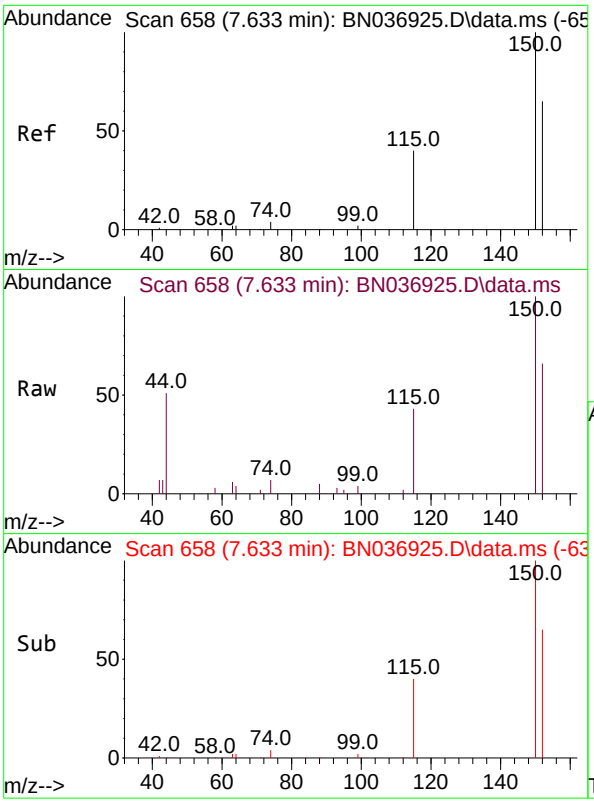
SSTDICCC0.4

Quant Time: Apr 28 15:12:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:11:09 2025
Response via : Initial Calibration



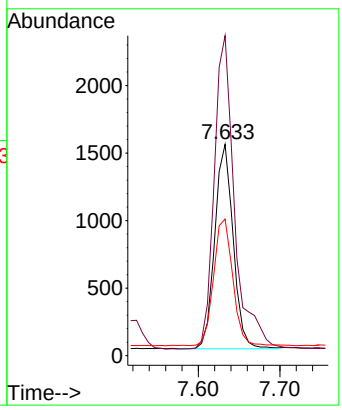


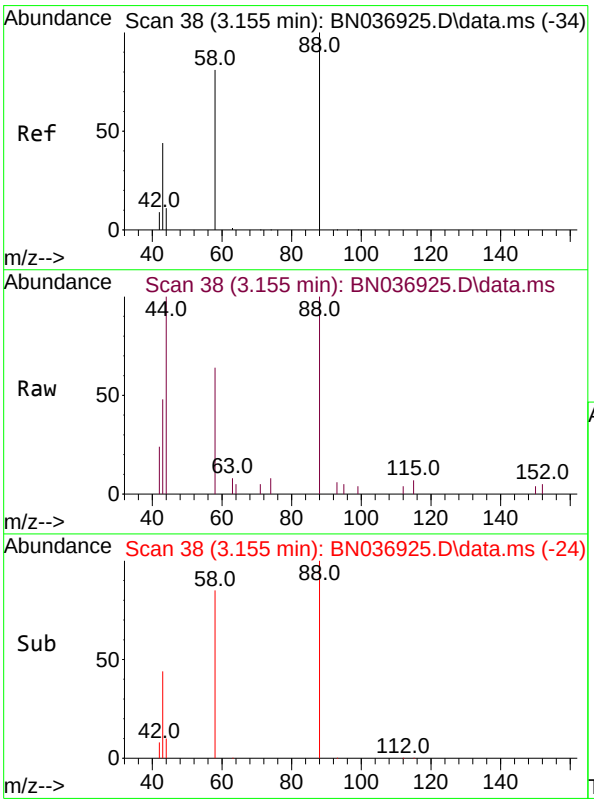
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2374

Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.1	181.7
115	64.7	51.8	77.6

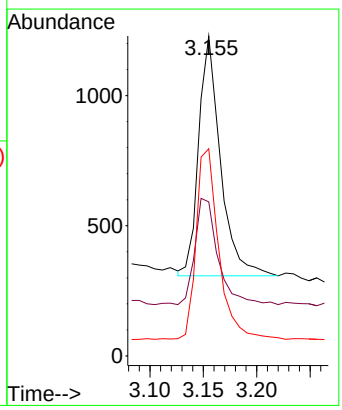


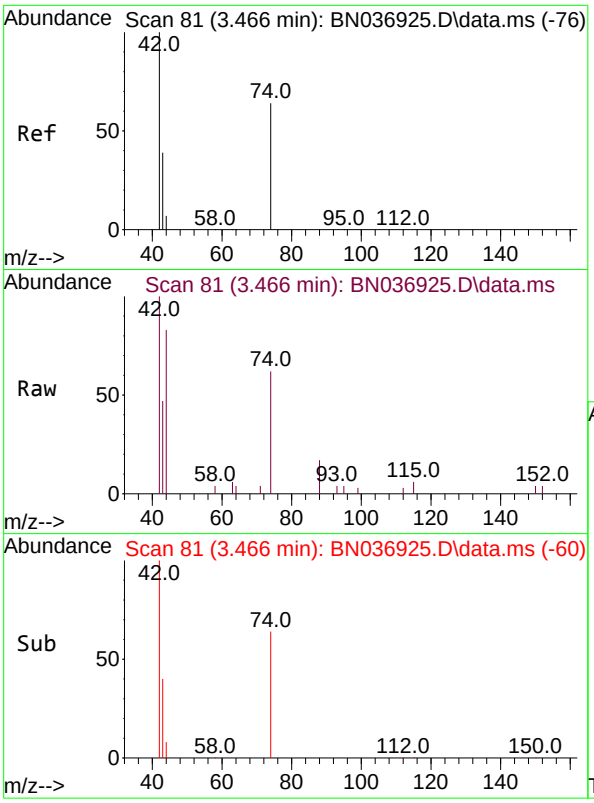


#2
1,4-Dioxane
Concen: 0.437 ng
RT: 3.155 min Scan# 38
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion: 88 Resp: 1309

Ion	Ratio	Lower	Upper
88	100		
43	47.4	37.9	56.9
58	82.2	65.8	98.6



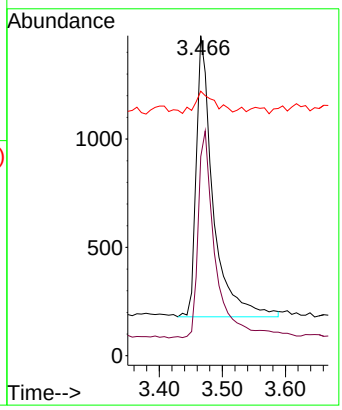


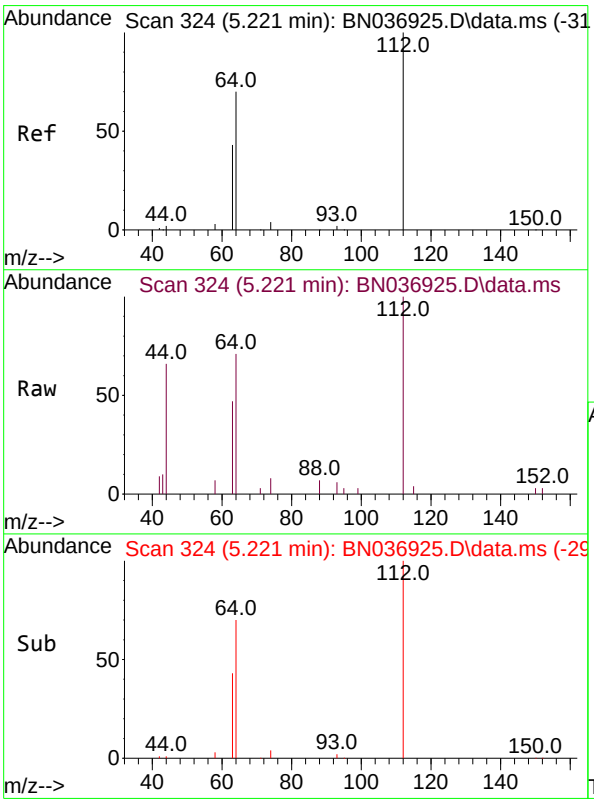
#3
n-Nitrosodimethylamine
Concen: 0.414 ng
RT: 3.466 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2398

Ion	Ratio	Lower	Upper
42	100		
74	74.9	59.9	89.9
44	9.4	7.5	11.3

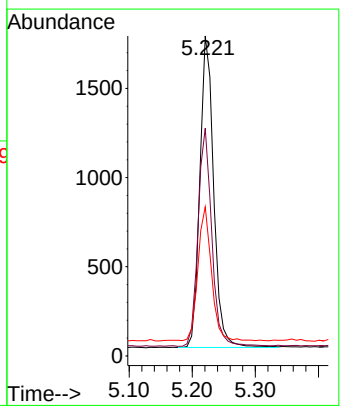


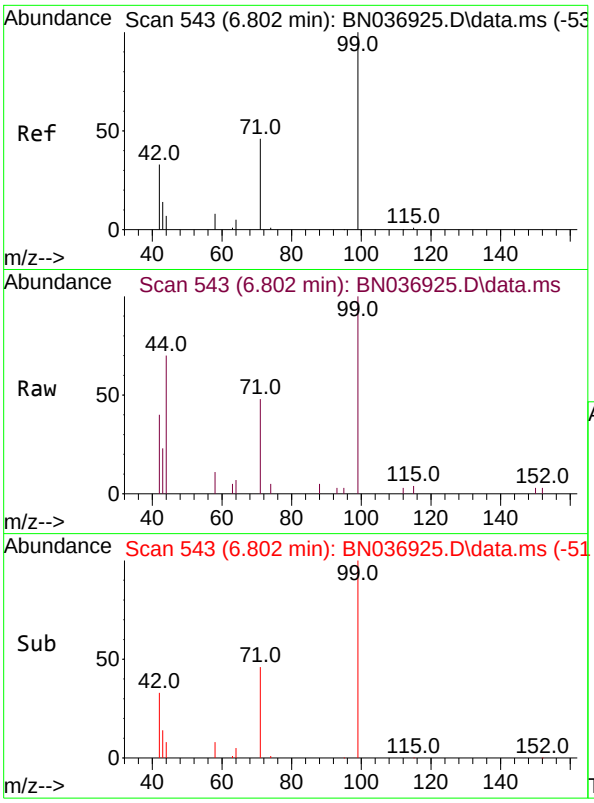


#4
2-Fluorophenol
Concen: 0.433 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:112 Resp: 2654

Ion	Ratio	Lower	Upper
112	100		
64	69.6	55.7	83.5
63	42.4	33.9	50.9



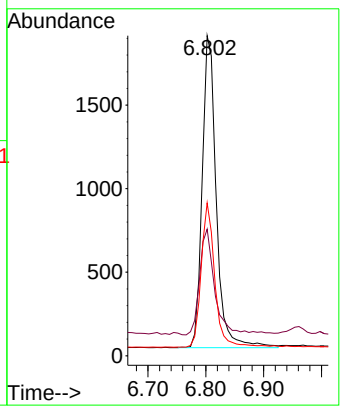


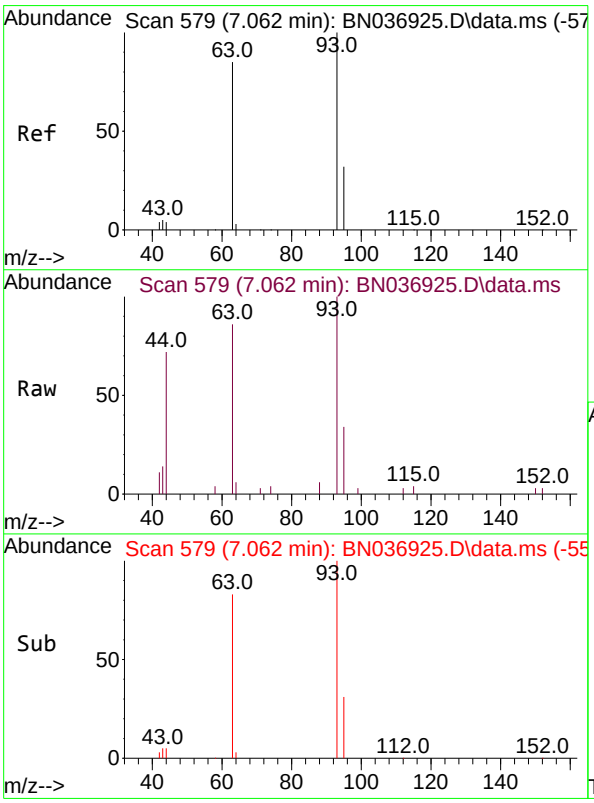
#5
Phenol-d6
Concen: 0.425 ng
RT: 6.802 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 3175

Ion	Ratio	Lower	Upper
99	100		
42	37.0	29.6	44.4
71	45.0	36.0	54.0

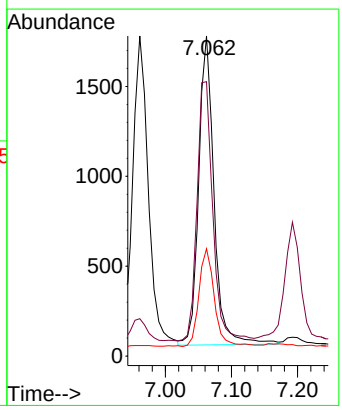


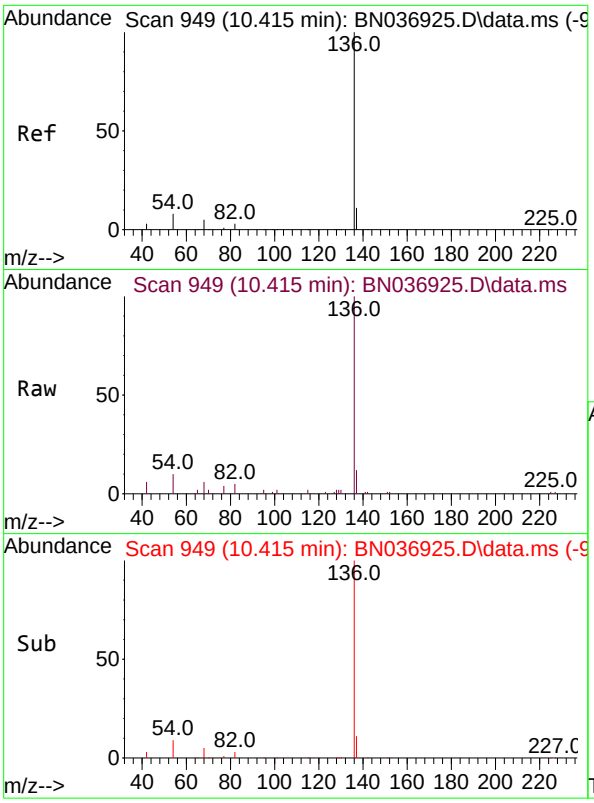


#6
bis(2-Chloroethyl)ether
Concen: 0.401 ng
RT: 7.062 min Scan# 579
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion: 93 Resp: 2778

Ion	Ratio	Lower	Upper
93	100		
63	86.3	69.0	103.6
95	31.7	25.4	38.0



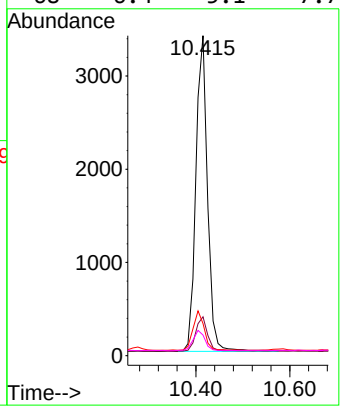


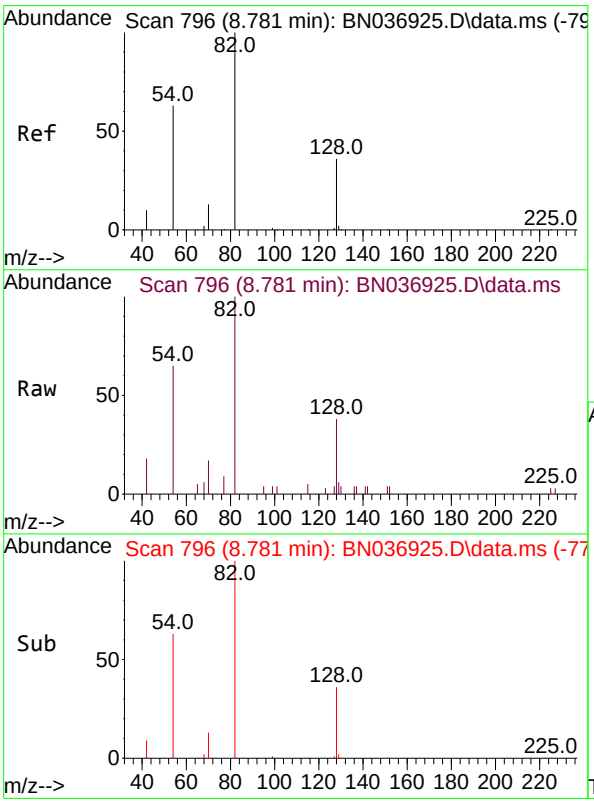
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 5831

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	10.0	8.0	12.0
68	6.4	5.1	7.7

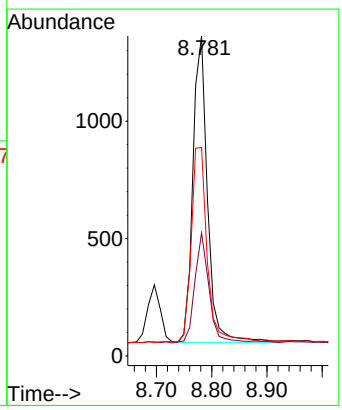


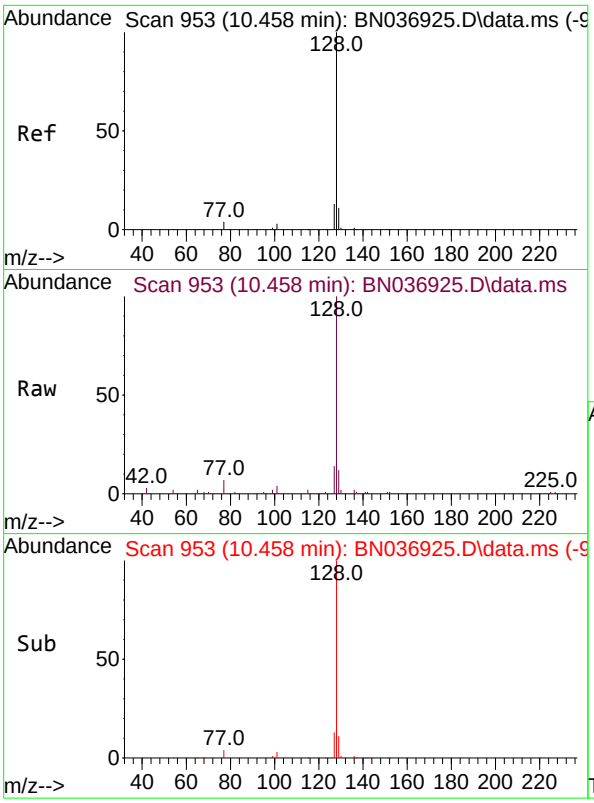


#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 8.781 min Scan# 796
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion: 82 Resp: 2394

Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.7	46.1
54	65.1	52.1	78.1



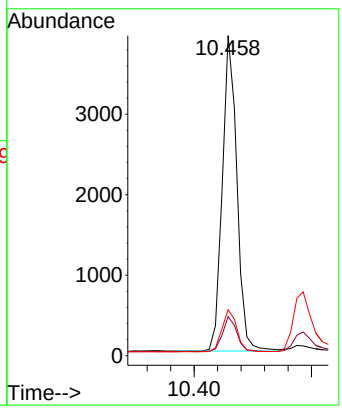


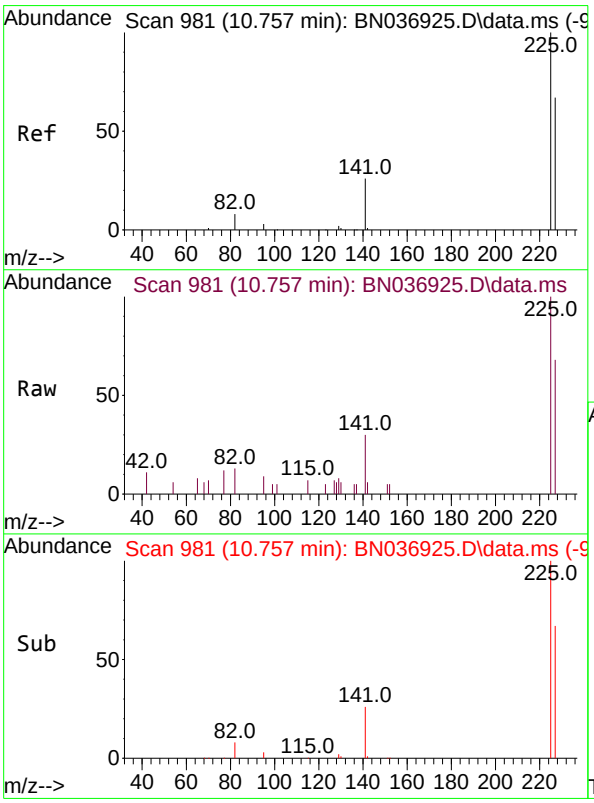
#9
Naphthalene
Concen: 0.397 ng
RT: 10.458 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 6735

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.3	11.4	17.2

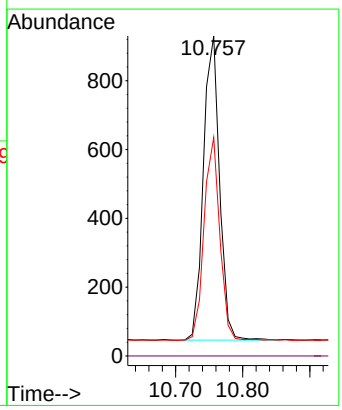


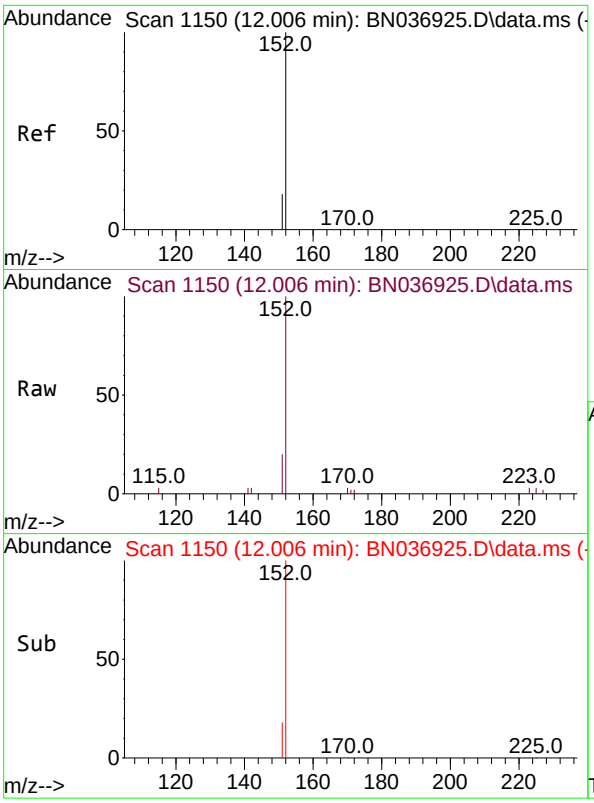


#10
Hexachlorobutadiene
Concen: 0.399 ng
RT: 10.757 min Scan# 981
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:225 Resp: 1476

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.3	52.2	78.4



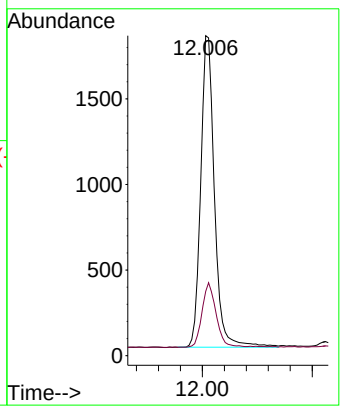


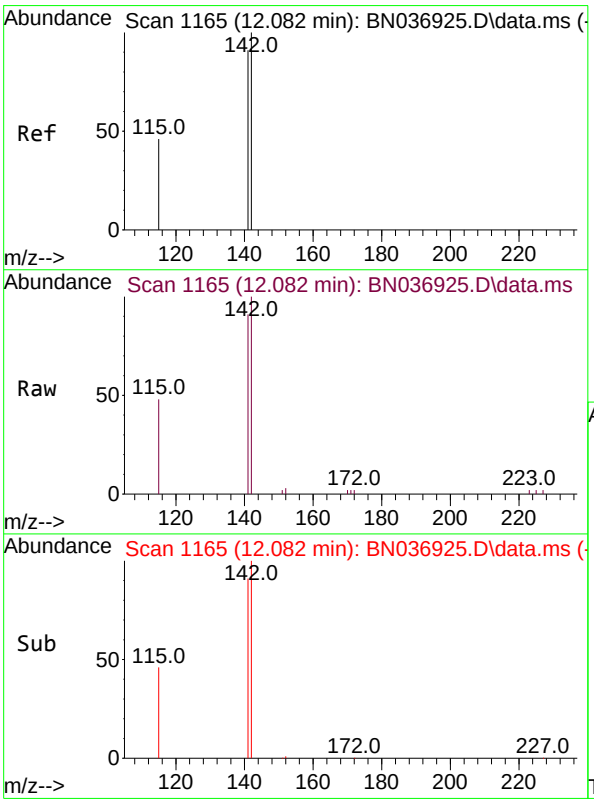
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3153

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.9	25.3

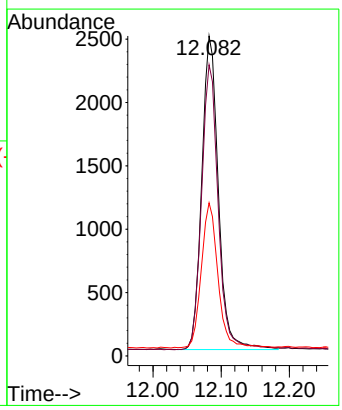


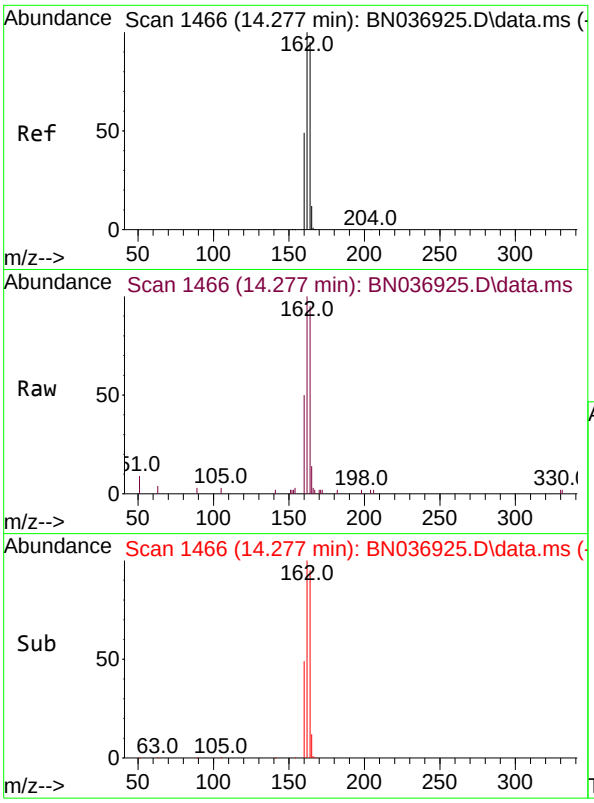


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:142 Resp: 4195

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2
115	47.8	38.2	57.4



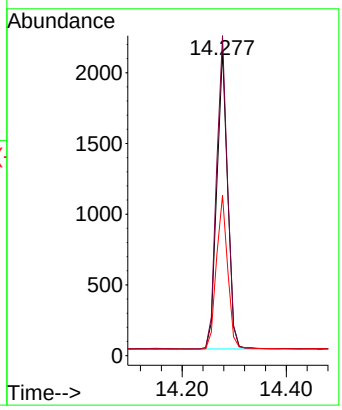


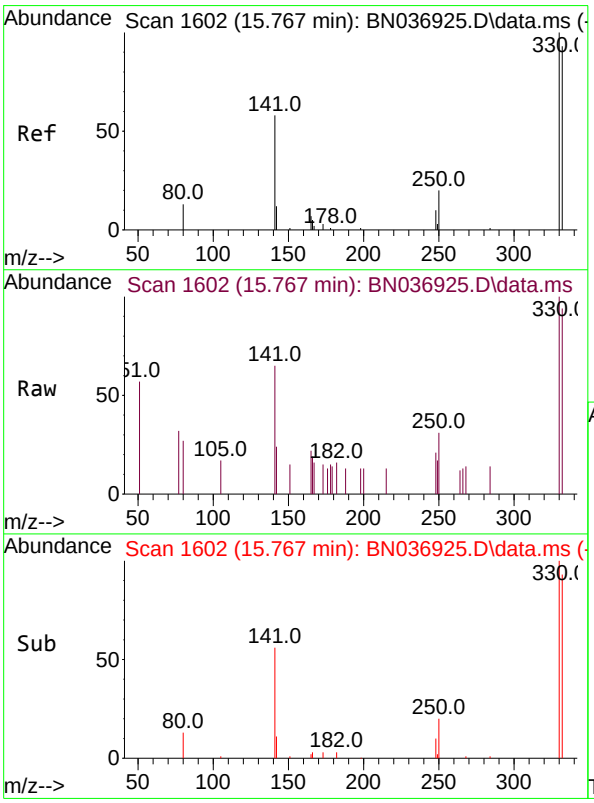
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 3051

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.8	125.8
160	52.5	42.0	63.0

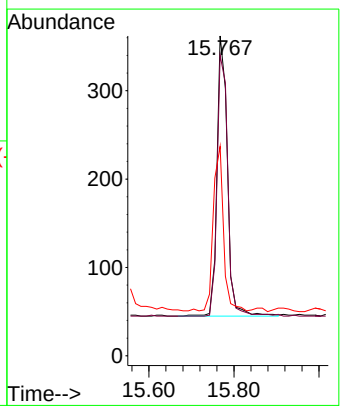


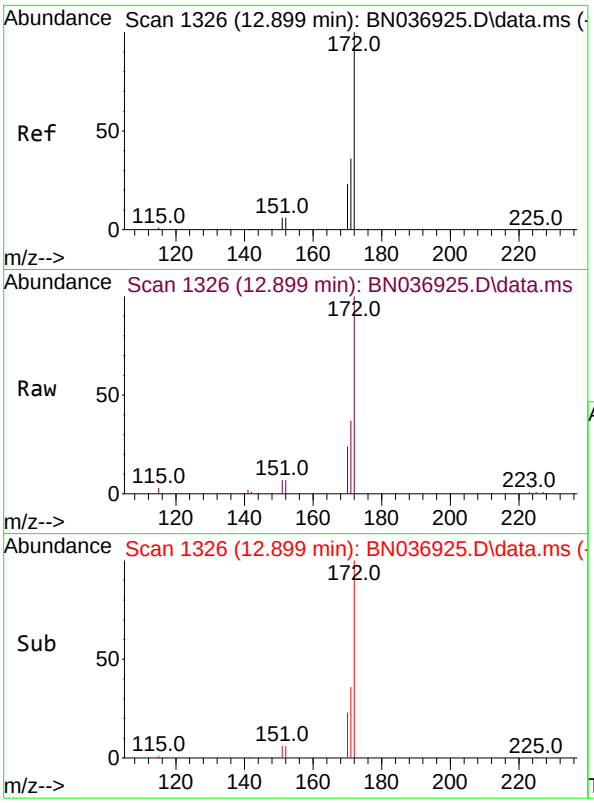


#14
2,4,6-Tribromophenol
Concen: 0.404 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:330 Resp: 540

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.3	114.5
141	57.8	45.4	68.2



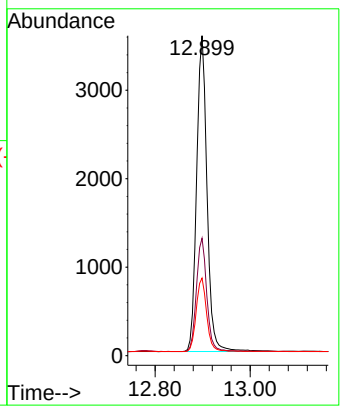


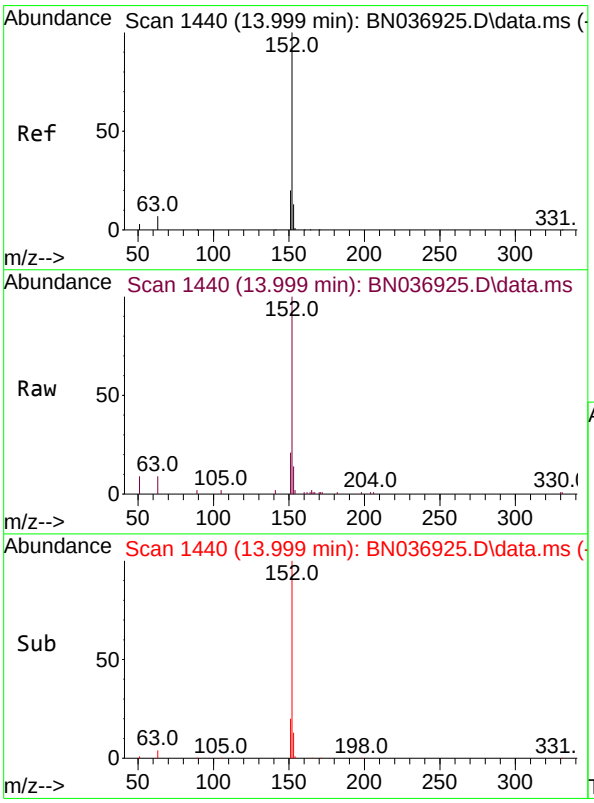
#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.899 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 6270

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.2	19.4	29.0

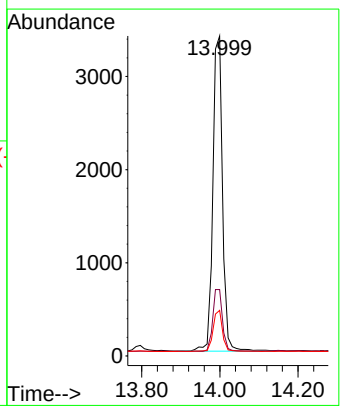


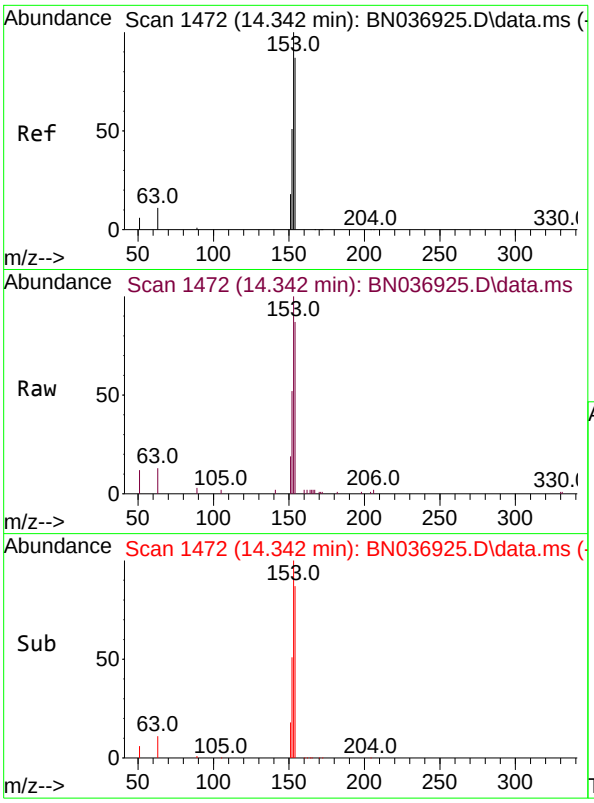


#16
Acenaphthylene
Concen: 0.394 ng
RT: 13.999 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:152 Resp: 5817

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	12.7	10.2	15.2



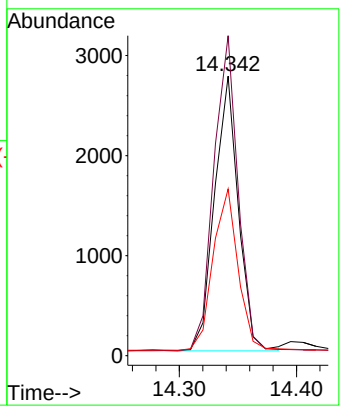


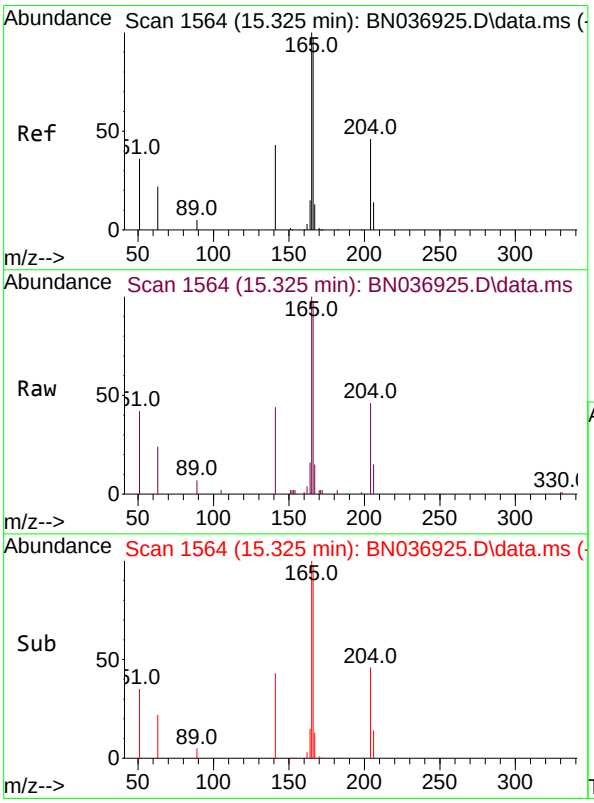
#17
Acenaphthene
Concen: 0.398 ng
RT: 14.342 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 3889

Ion	Ratio	Lower	Upper
154	100		
153	116.8	93.4	140.2
152	61.9	49.5	74.3

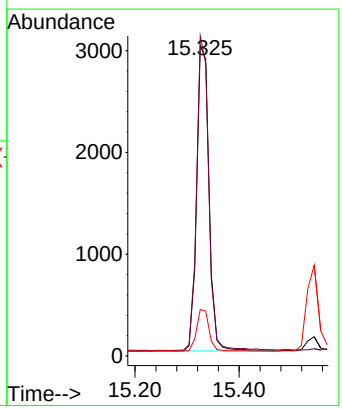


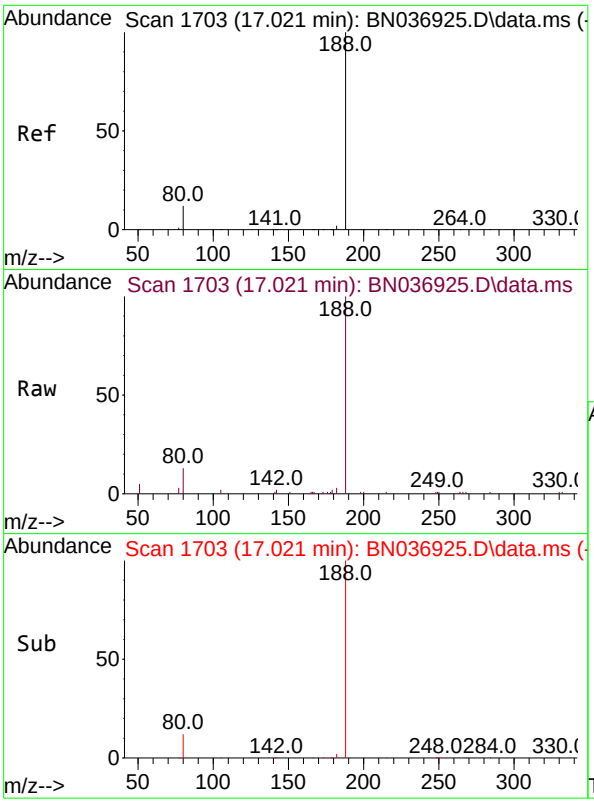


#18
Fluorene
Concen: 0.390 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:166 Resp: 4955

Ion	Ratio	Lower	Upper
166	100		
165	101.0	80.8	121.2
167	13.5	10.8	16.2



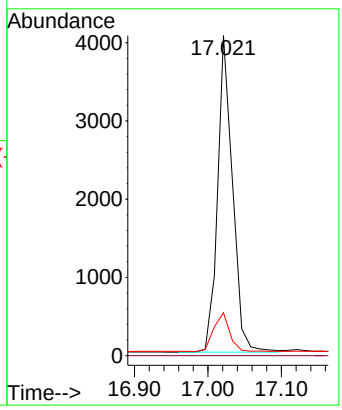


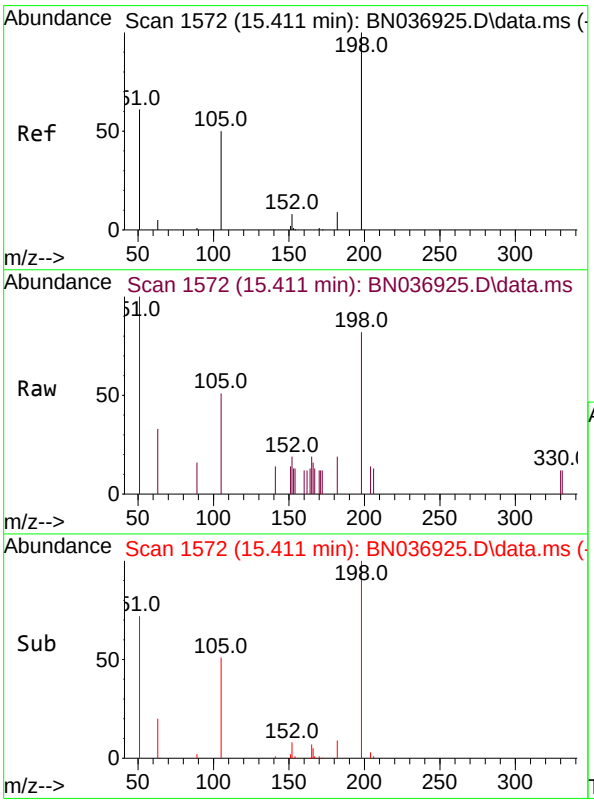
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 5711

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	10.7	16.1

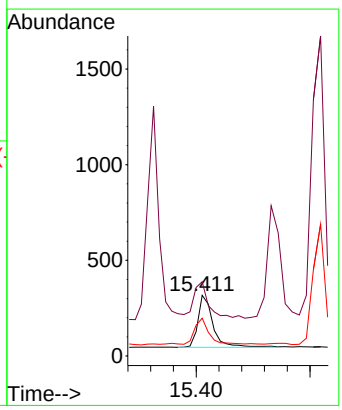


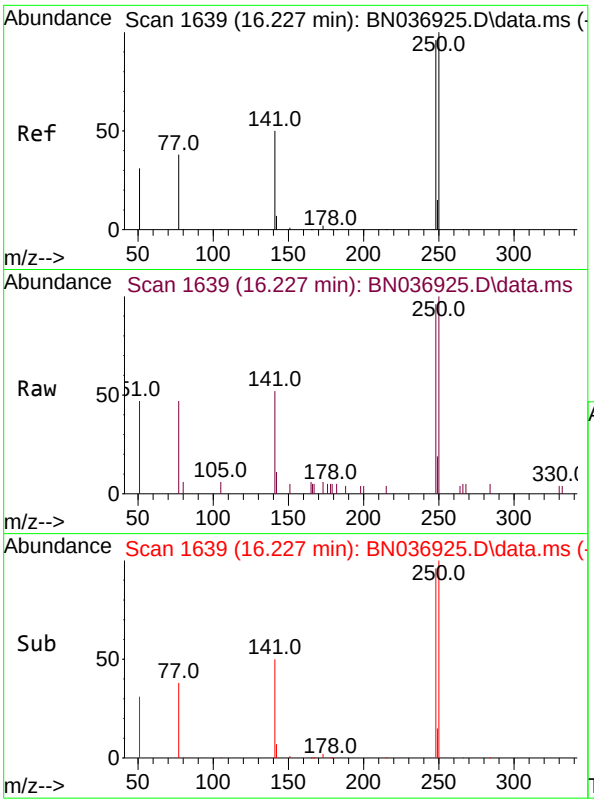


#20
4,6-Dinitro-2-methylphenol
Concen: 0.361 ng
RT: 15.411 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:198 Resp: 516

Ion	Ratio	Lower	Upper
198	100		
51	122.4	97.9	146.9
105	62.5	50.0	75.0



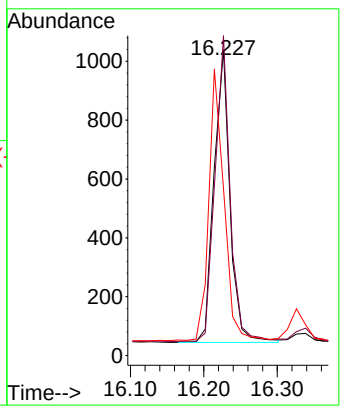


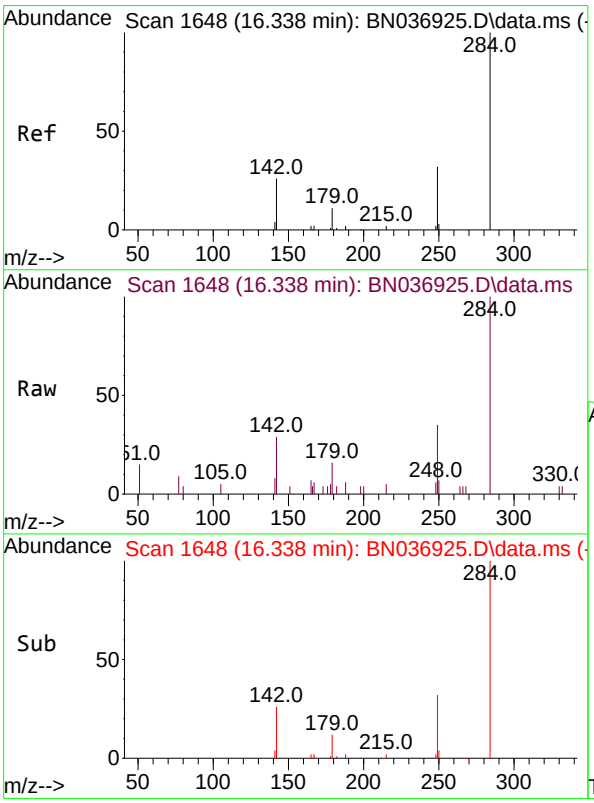
#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 1494

Ion	Ratio	Lower	Upper
248	100		
250	104.6	83.7	125.5
141	54.8	43.8	65.8

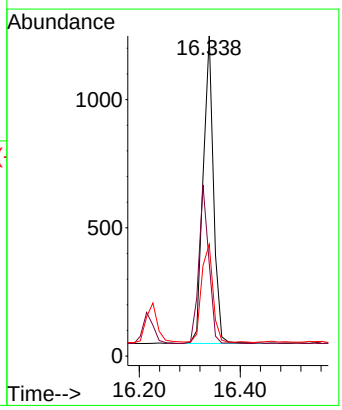


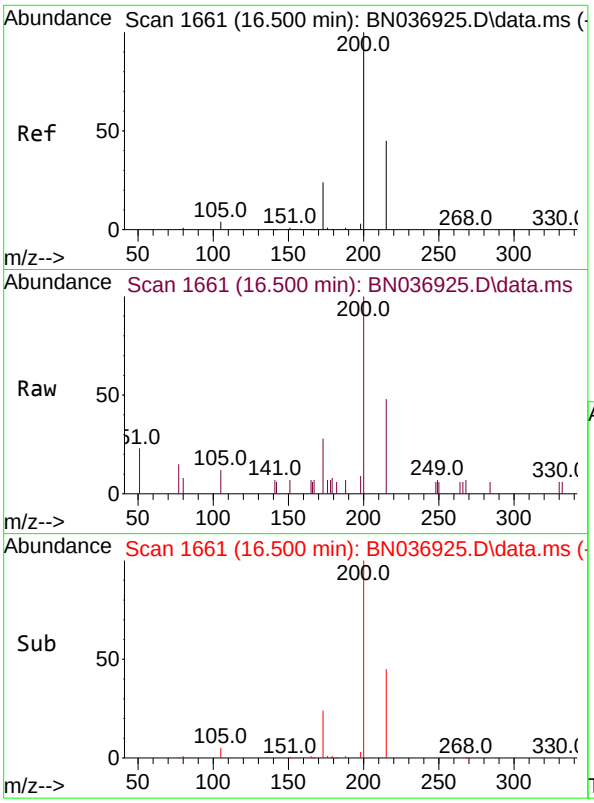


#22
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.338 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:284 Resp: 1714

Ion	Ratio	Lower	Upper
284	100		
142	50.0	40.0	60.0
249	35.2	28.2	42.2



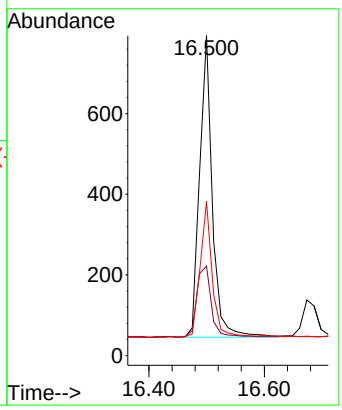


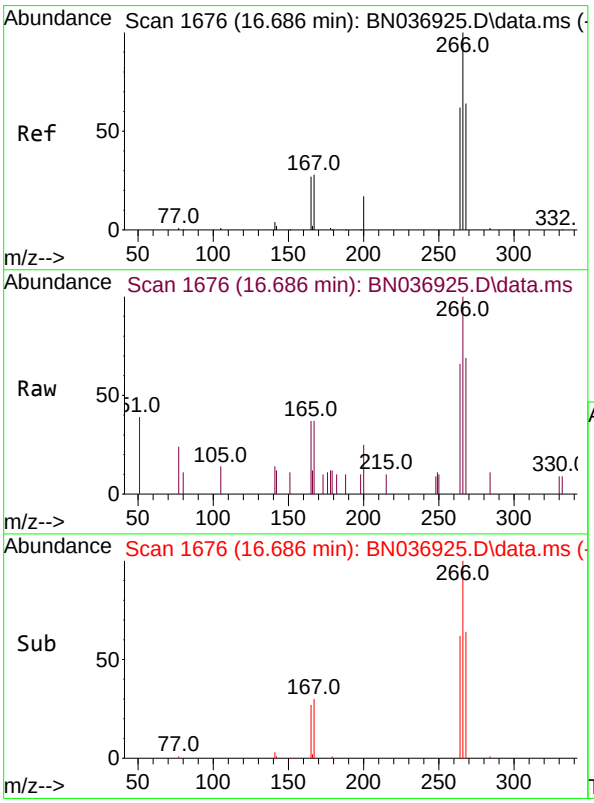
#23
Atrazine
Concen: 0.380 ng
RT: 16.500 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1139

Ion	Ratio	Lower	Upper
200	100		
173	28.0	22.4	33.6
215	48.2	38.6	57.8

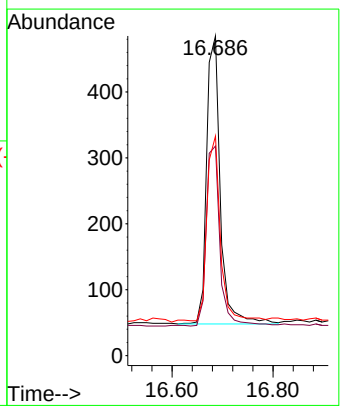


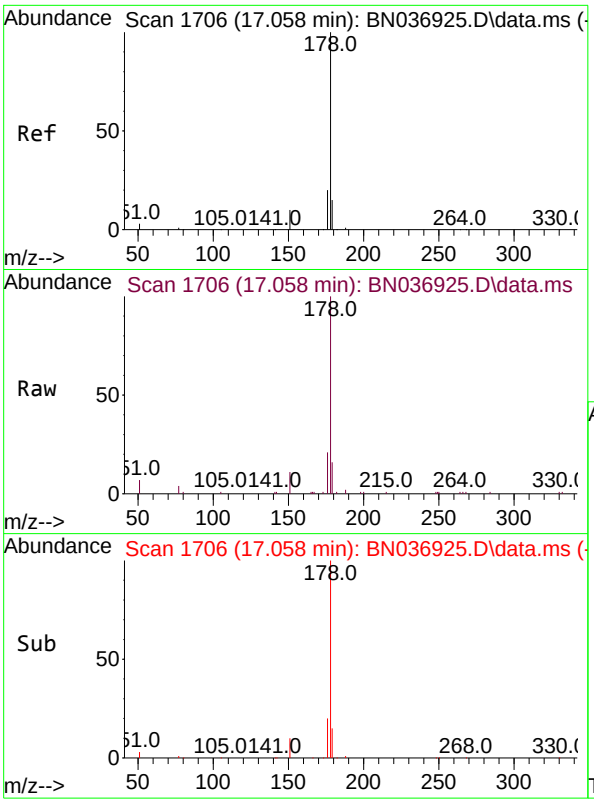


#24
Pentachlorophenol
Concen: 0.378 ng
RT: 16.686 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:266 Resp: 824

Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.9	74.9
268	65.3	52.2	78.4



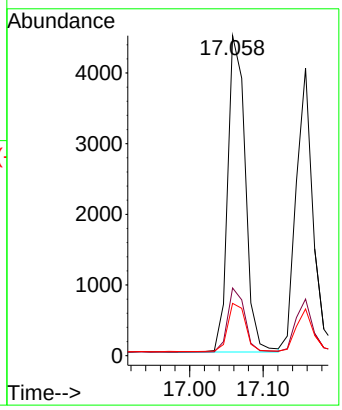


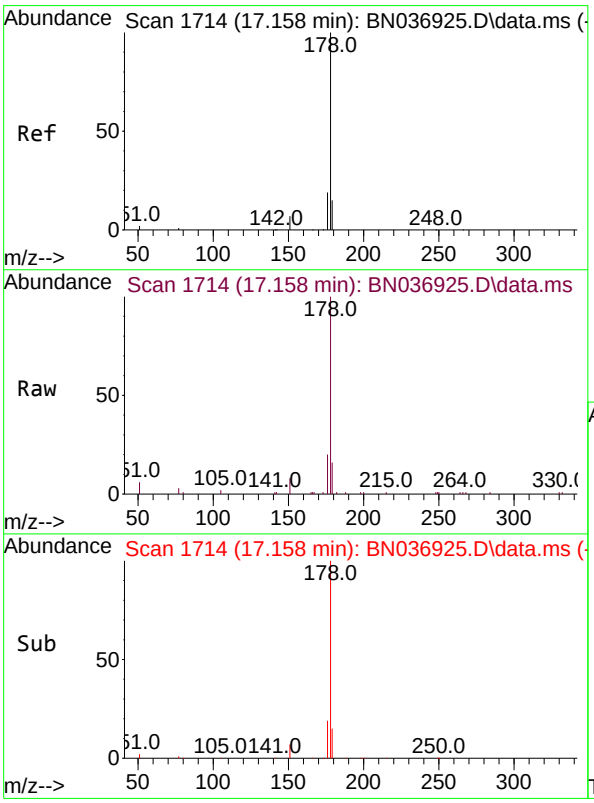
#25
Phenanthrene
Concen: 0.395 ng
RT: 17.058 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 7417

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.5	12.4	18.6

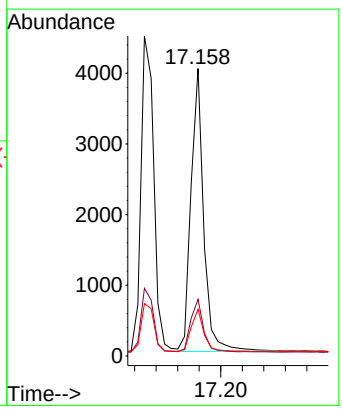


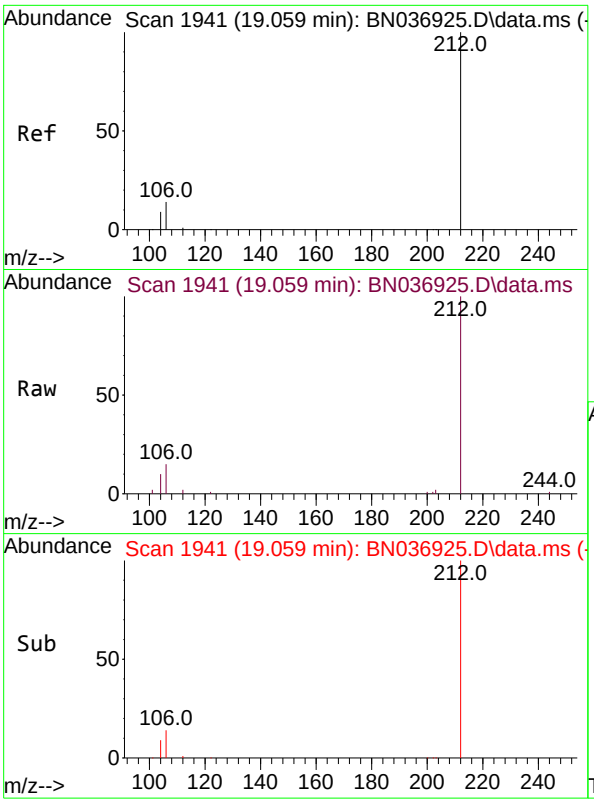


#26
Anthracene
Concen: 0.390 ng
RT: 17.158 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:178 Resp: 6553

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.0	12.1	18.1



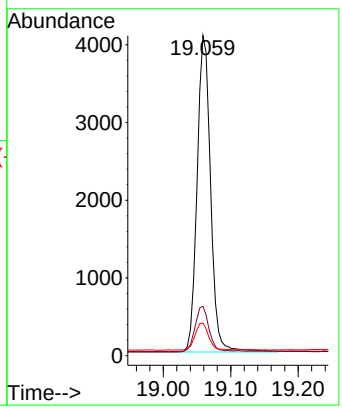


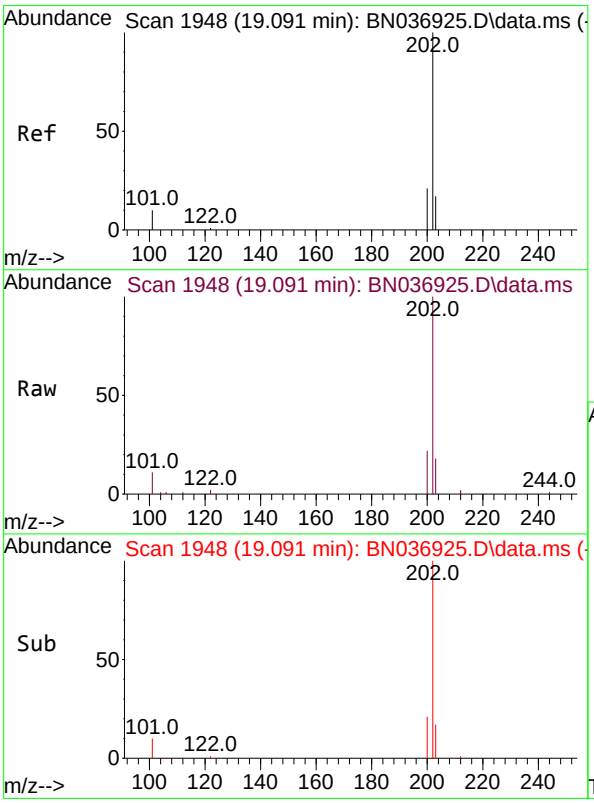
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.059 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 5661

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.6	17.4
104	8.7	7.0	10.4

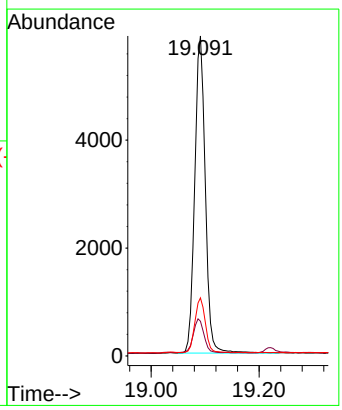


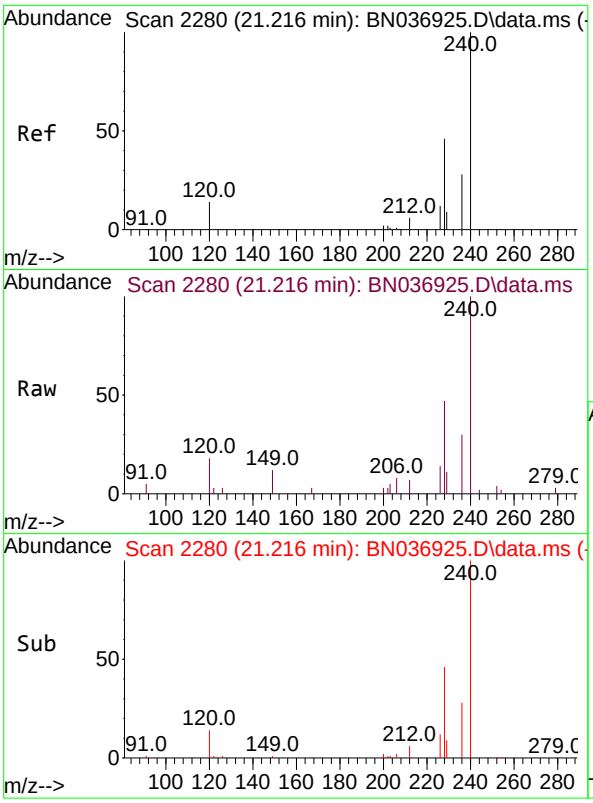


#28
Fluoranthene
Concen: 0.384 ng
RT: 19.091 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:202 Resp: 7988

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.5	12.7
203	17.1	13.7	20.5



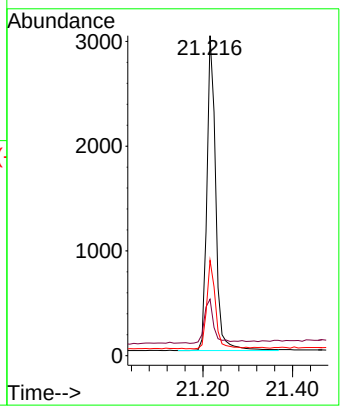


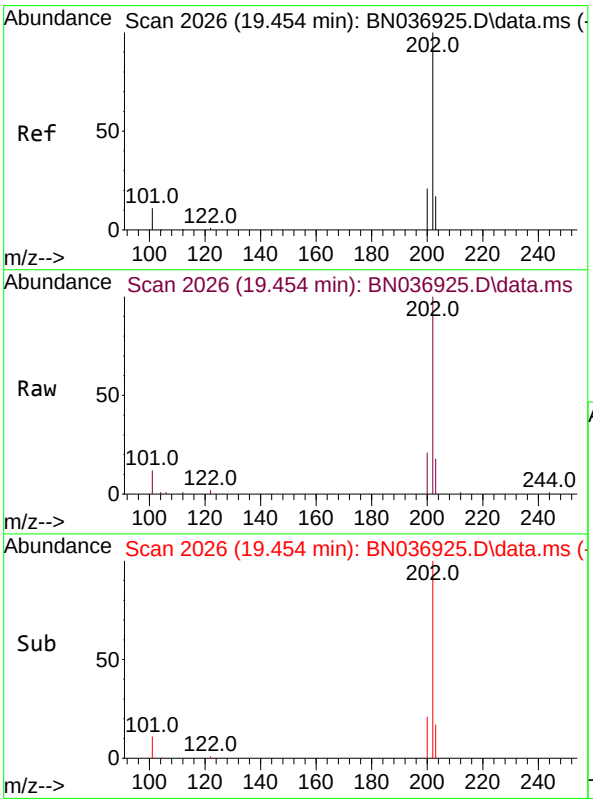
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 4119

Ion	Ratio	Lower	Upper
240	100		
120	17.6	14.1	21.1
236	29.8	23.8	35.8

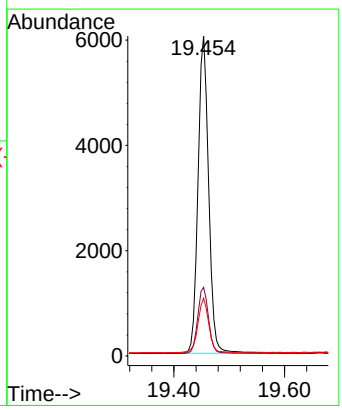


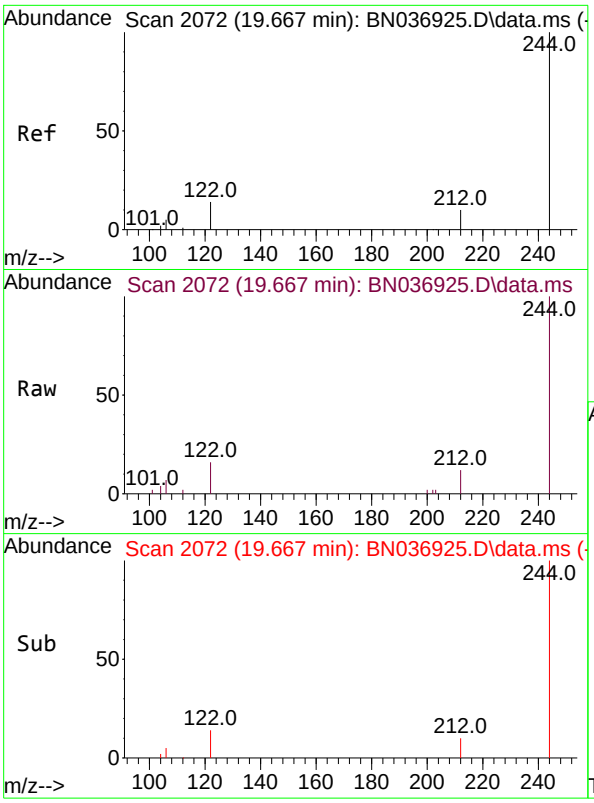


#30
Pyrene
Concen: 0.403 ng
RT: 19.454 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:202 Resp: 8067

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.5	14.0	21.0



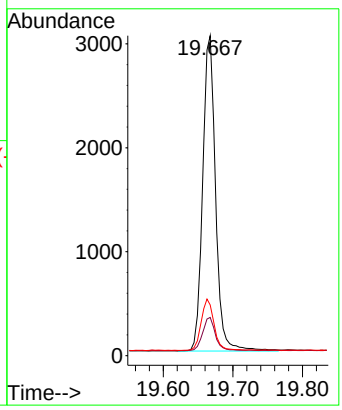


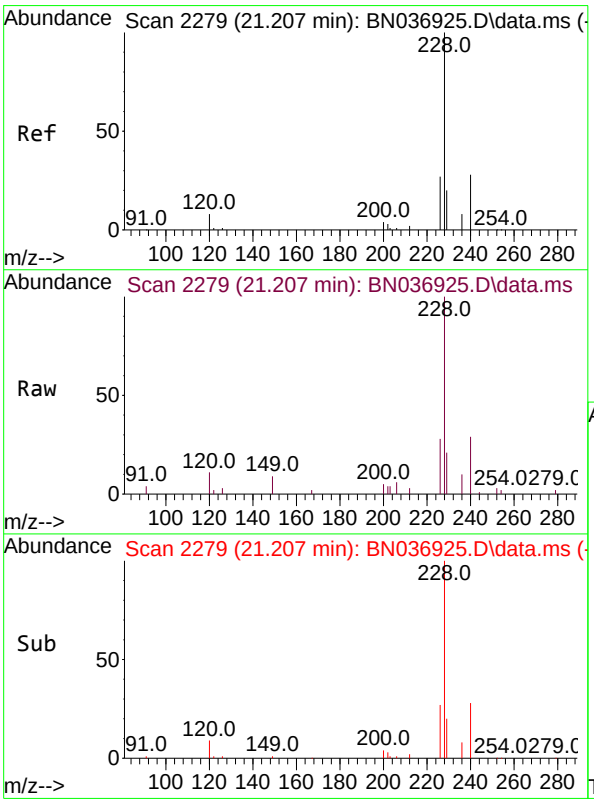
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.667 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 3895

Ion	Ratio	Lower	Upper
244	100		
212	12.0	9.6	14.4
122	15.9	12.7	19.1

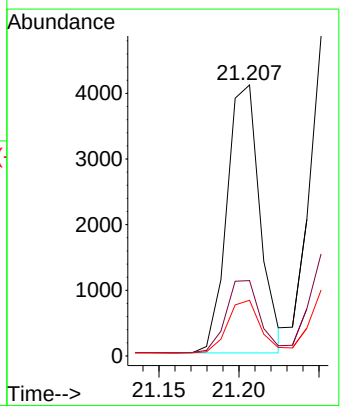


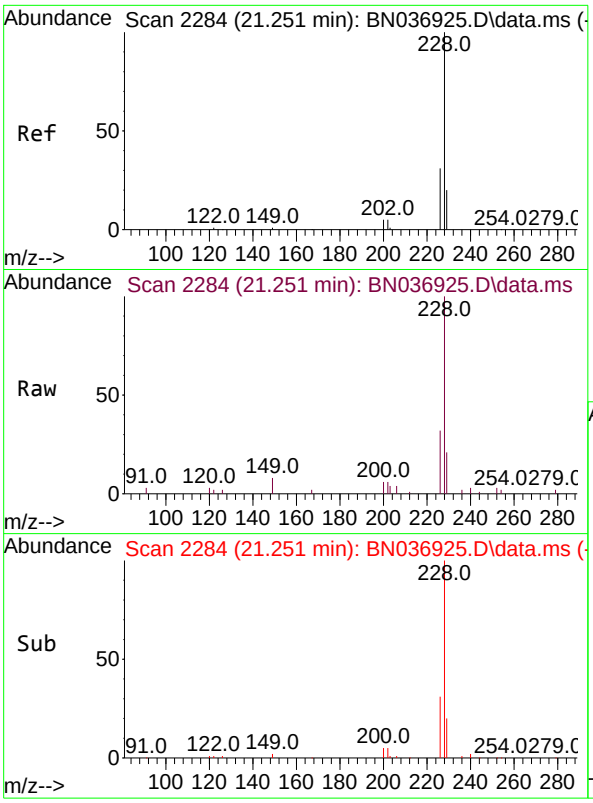


#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.207 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:228 Resp: 5885

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	20.5	16.4	24.6



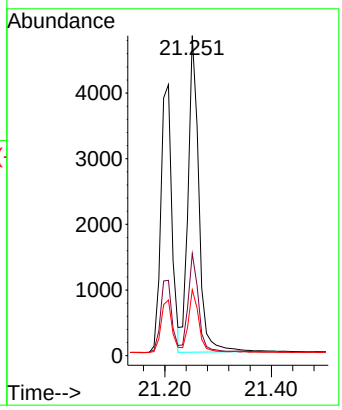


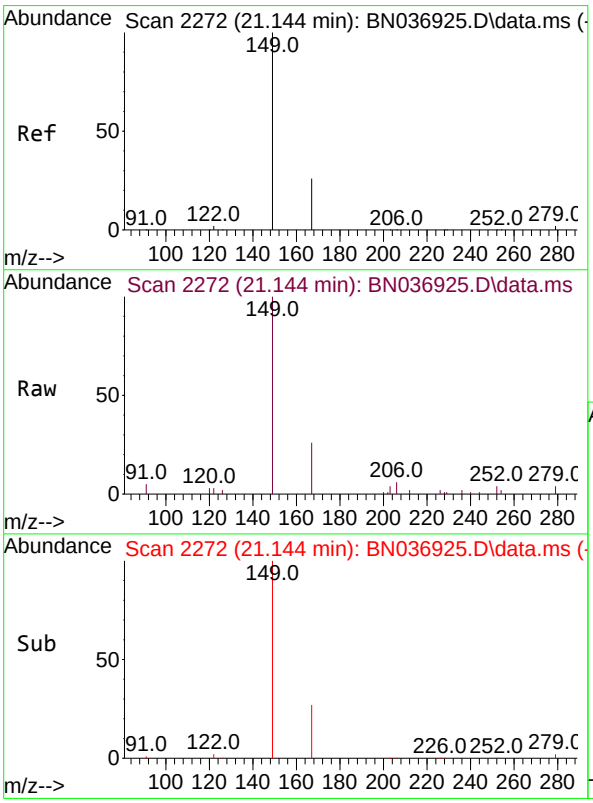
#33
Chrysene
Concen: 0.410 ng
RT: 21.251 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 6742

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.5	38.3
229	20.6	16.5	24.7

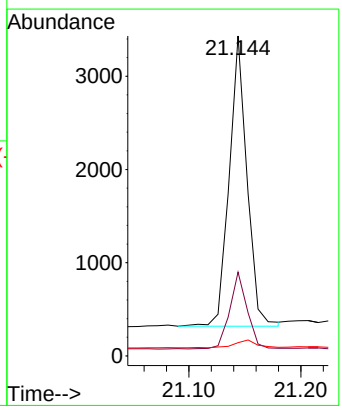


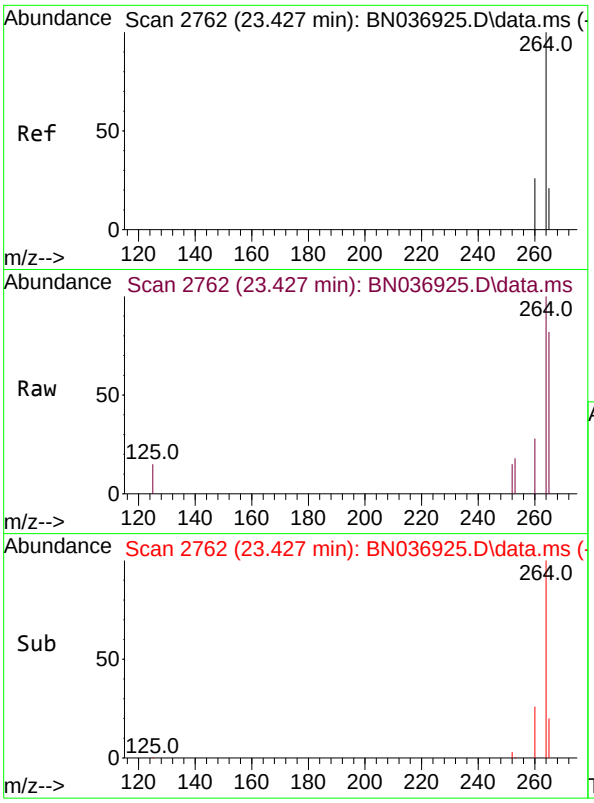


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.400 ng
RT: 21.144 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:149 Resp: 3434

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.6
279	3.4	2.7	4.1



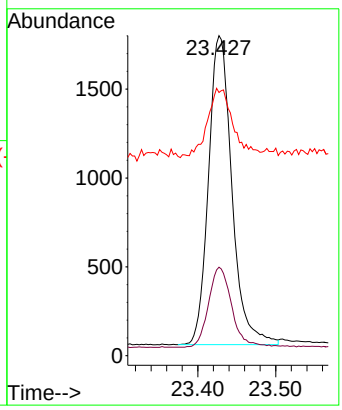


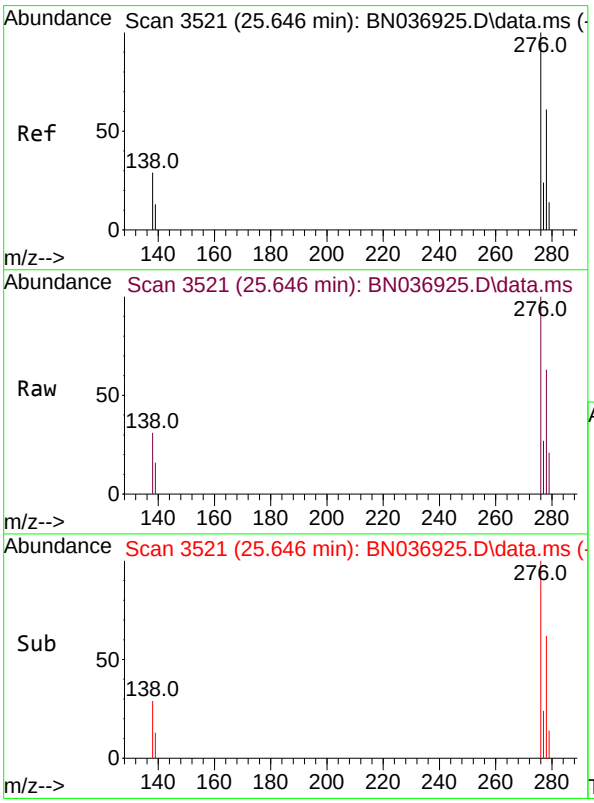
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 3630

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	82.2	65.8	98.6

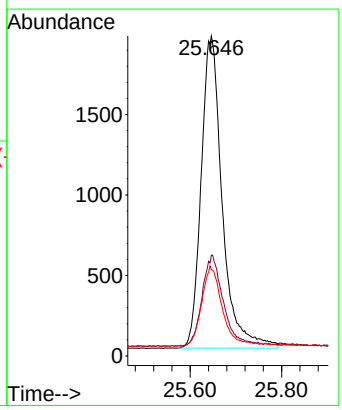


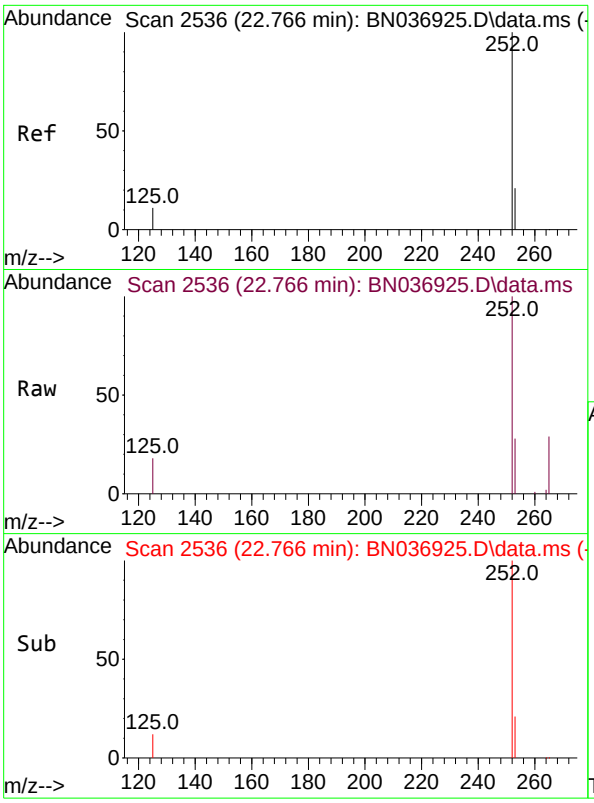


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.418 ng
RT: 25.646 min Scan# 3521
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:276 Resp: 6214

Ion	Ratio	Lower	Upper
276	100		
138	28.8	23.0	34.6
277	25.0	20.0	30.0



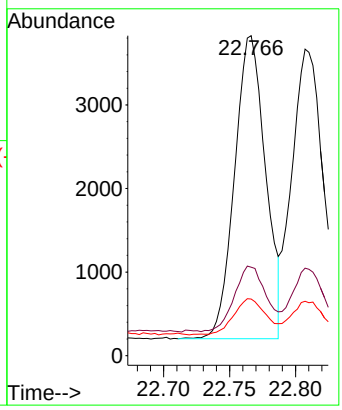


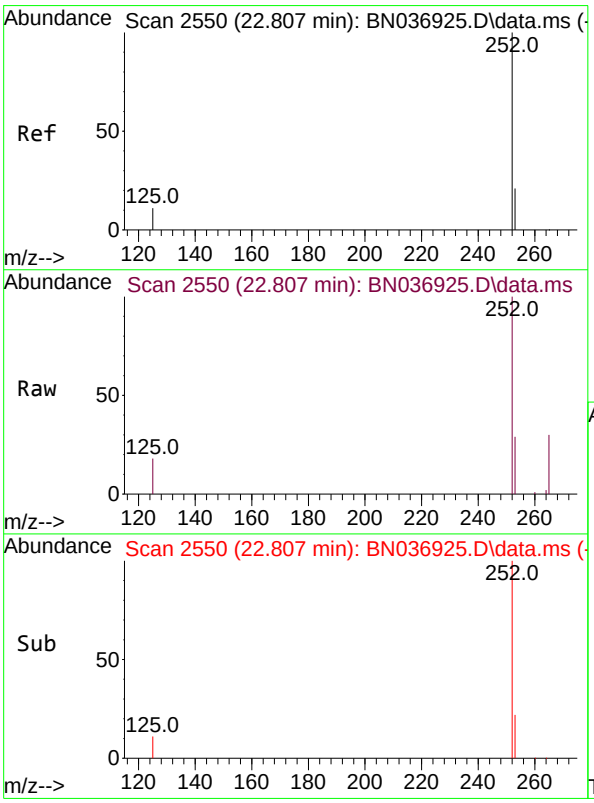
#37
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 22.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 5932

Ion	Ratio	Lower	Upper
252	100		
253	27.6	22.1	33.1
125	17.7	14.2	21.2

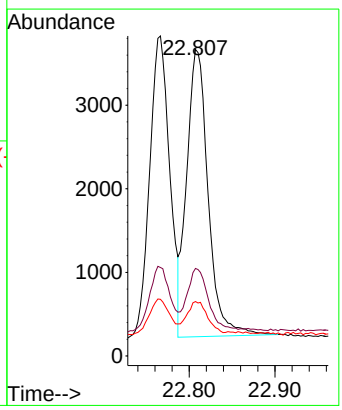


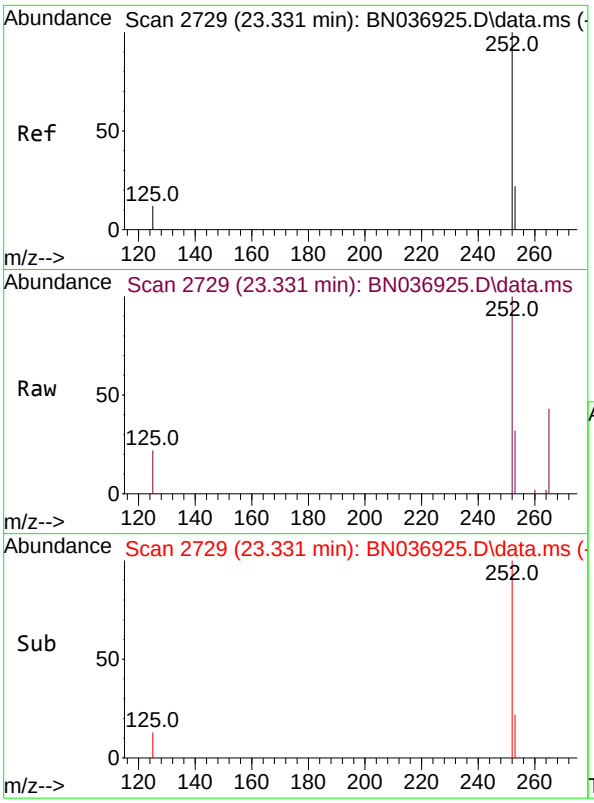


#38
Benzo(k)fluoranthene
Concen: 0.393 ng
RT: 22.807 min Scan# 2550
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:252 Resp: 5983

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.8	34.2
125	17.7	14.2	21.2



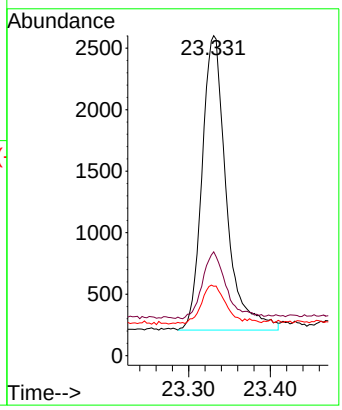


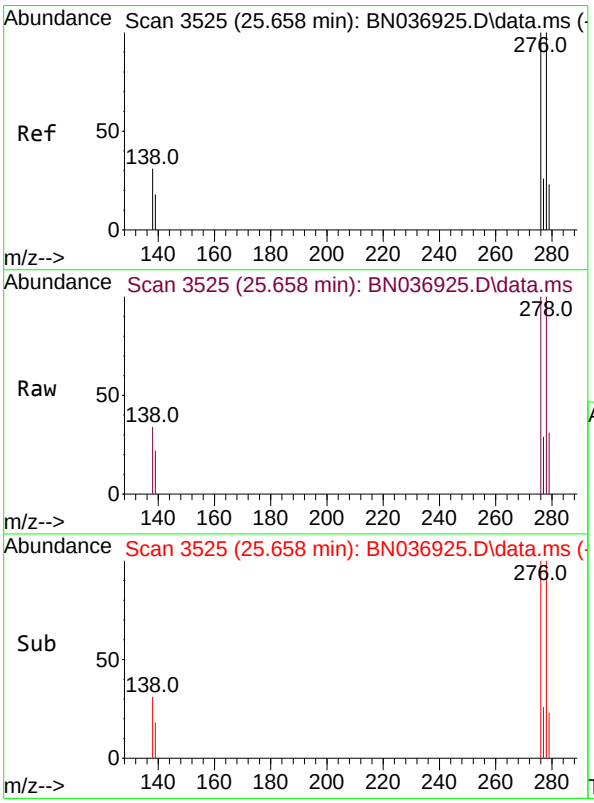
#39
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 4940

Ion	Ratio	Lower	Upper
252	100		
253	32.4	25.9	38.9
125	21.7	17.4	26.0

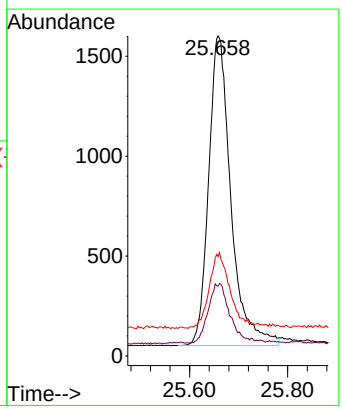


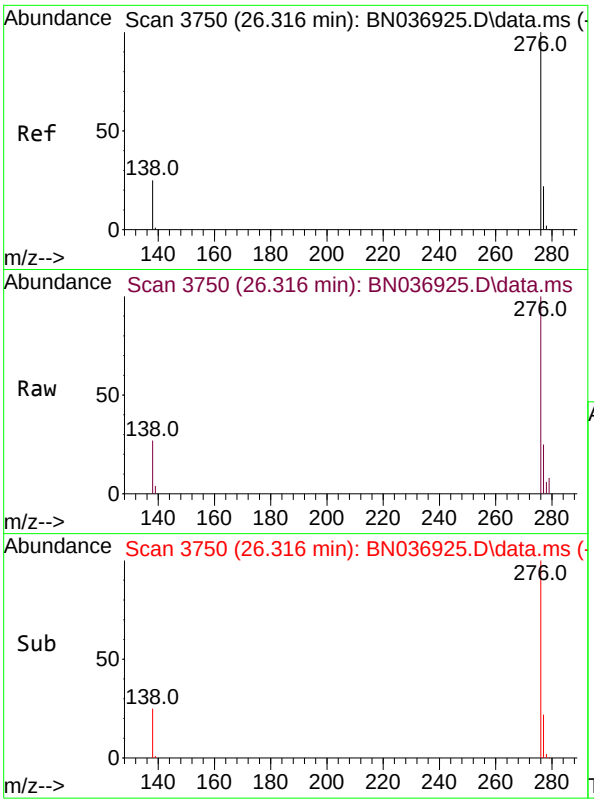


#40
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 25.658 min Scan# 3525
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:278 Resp: 4897

Ion	Ratio	Lower	Upper
278	100		
139	21.8	17.4	26.2
279	31.1	24.9	37.3





#41
Benzo(g,h,i)perylene
Concen: 0.420 ng
RT: 26.316 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 5500

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	27.4	21.9	32.9