Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036928.D
Acq On : 28 Apr 2025 14:36
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Apr 28 15:14:05 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	2400	0.400	ng		0.00
7) Naphthalene-d8	10.415	136	5910	0.400	ng		0.00
13) Acenaphthene-d10	14.277	164	3394	0.400	ng		0.00
19) Phenanthrene-d10	17.021	188	6361	0.400	ng		0.00
29) Chrysene-d12	21.216	240	4896	0.400	ng		0.00
35) Perylene-d12	23.430	264	3763	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.221	112	18856	3.045	ng		0.00
5) Phenol-d6	6.802	99	24093	3.194	ng		0.00
8) Nitrobenzene-d5	8.771	82	20418	3.326	ng		-0.01
11) 2-Methylnaphthalene-d10	12.006	152	27198	3.319	ng		0.00
14) 2,4,6-Tribromophenol	15.768	330	4998	3.360	ng		0.00
15) 2-Fluorobiphenyl	12.899	172	53914	3.285	ng		0.00
27) Fluoranthene-d10	19.059	212	53576	3.290	ng		0.00
31) Terphenyl-d14	19.663	244	37287	3.200	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.148	88	9383	3.096	ng		96
3) n-Nitrosodimethylamine	3.458	42	18278	3.122	ng	#	99
6) bis(2-Chloroethyl)ether	7.062	93	22311	3.183	ng		99
9) Naphthalene	10.458	128	55337	3.217	ng		98
10) Hexachlorobutadiene	10.757	225	11705	3.121	ng	#	98
12) 2-Methylnaphthalene	12.082	142	36995	3.361	ng		98
16) Acenaphthylene	13.989	152	55247	3.362	ng		100
17) Acenaphthene	14.342	154	35171	3.236	ng		98
18) Fluorene	15.325	166	46714	3.301	ng		99
20) 4,6-Dinitro-2-methylph...	15.411	198	6093	3.823	ng	#	51
21) 4-Bromophenyl-phenylether	16.227	248	13834	3.266	ng	#	94
22) Hexachlorobenzene	16.338	284	14891	3.181	ng		99
23) Atrazine	16.500	200	11521	3.449	ng	#	91
24) Pentachlorophenol	16.674	266	8528	3.511	ng		99
25) Phenanthrene	17.058	178	68482	3.273	ng		99
26) Anthracene	17.158	178	64181	3.430	ng		100
28) Fluoranthene	19.087	202	77836	3.358	ng		99
30) Pyrene	19.454	202	77117	3.241	ng		100
32) Benzo(a)anthracene	21.198	228	59092	3.310	ng		97
33) Chrysene	21.251	228	61582	3.149	ng		98
34) Bis(2-ethylhexyl)phtha...	21.144	149	30625	3.002	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.643	276	51906	3.369	ng		98
37) Benzo(b)fluoranthene	22.766	252	52921	3.393	ng	#	89
38) Benzo(k)fluoranthene	22.810	252	53706	3.406	ng	#	88
39) Benzo(a)pyrene	23.331	252	43554	3.387	ng	#	83
40) Dibenzo(a,h)anthracene	25.655	278	41500	3.423	ng	#	91
41) Benzo(g,h,i)perylene	26.319	276	44250	3.263	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036928.D
Acq On : 28 Apr 2025 14:36
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
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Instrument :
BNA_N
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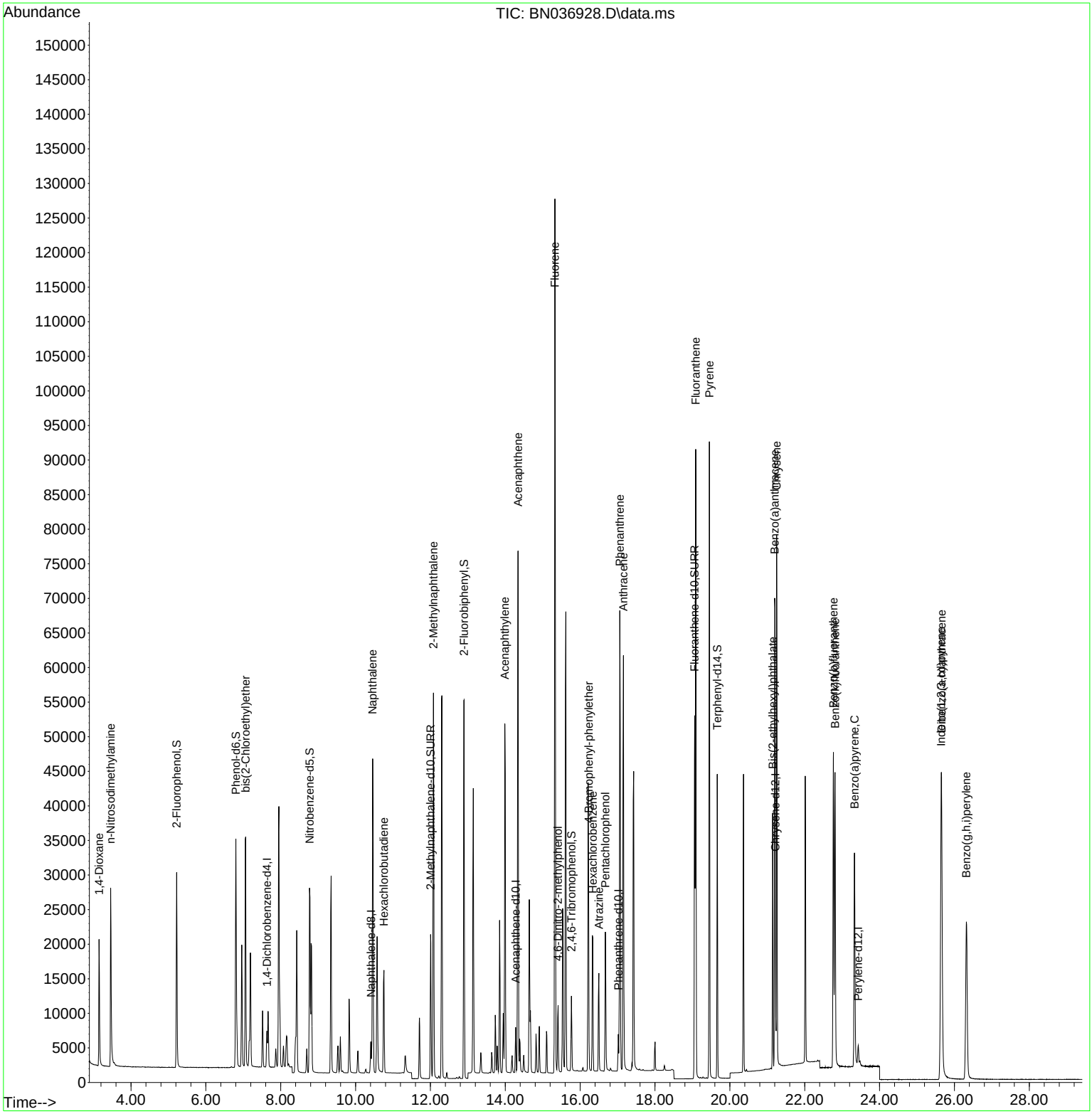
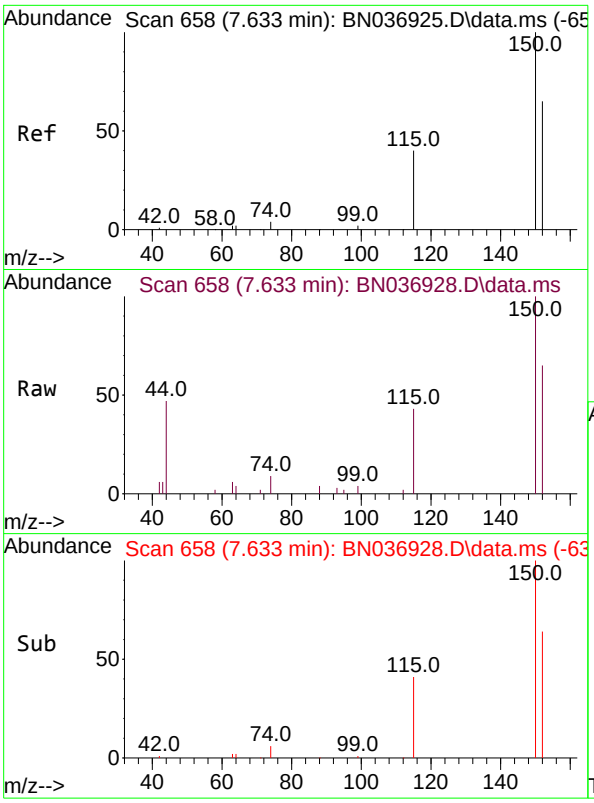
SSTDICC3.2

Quant Time: Apr 28 15:14:05 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



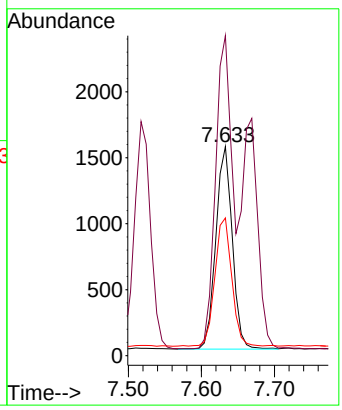


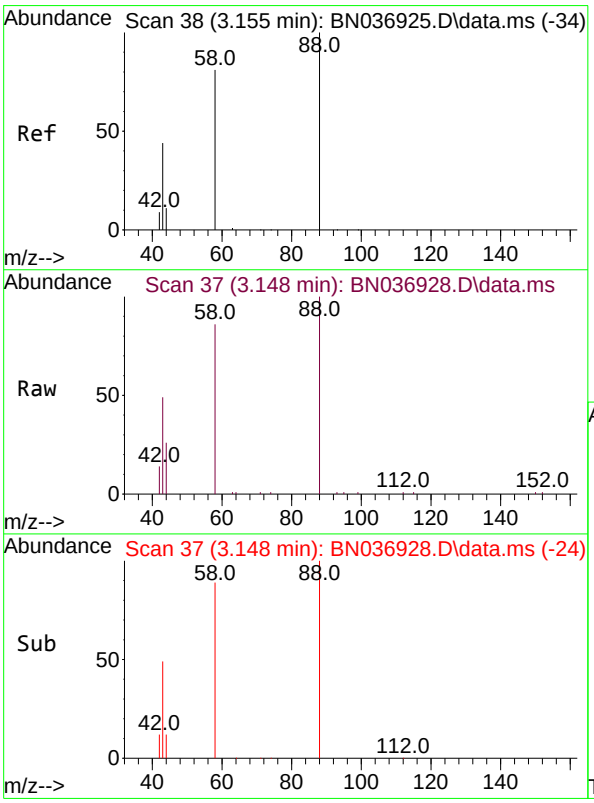
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 2400

Ion	Ratio	Lower	Upper
152	100		
150	153.0	121.1	181.7
115	65.9	51.8	77.6

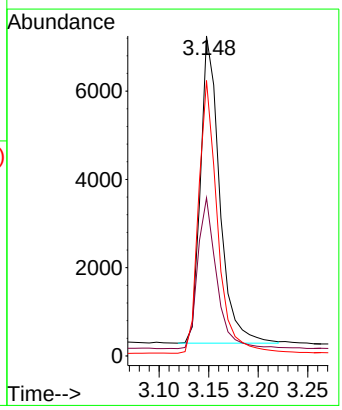


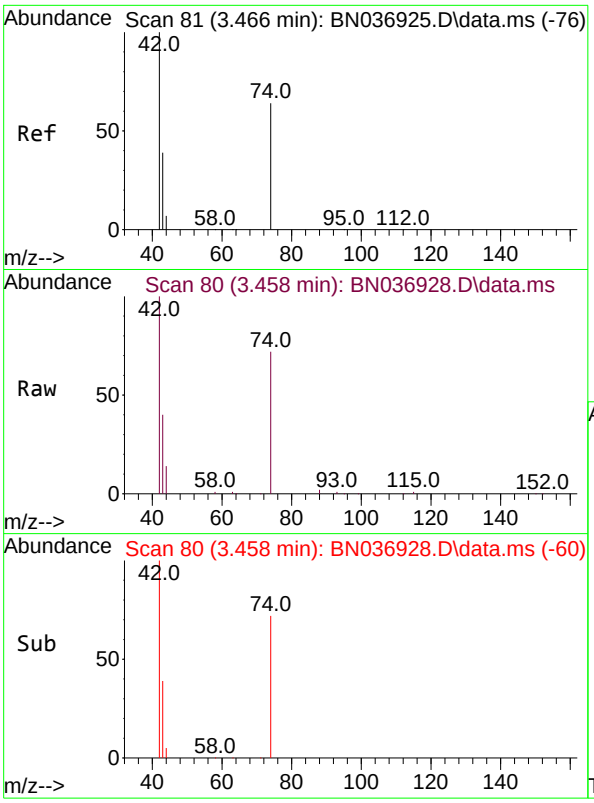


#2
1,4-Dioxane
Concen: 3.096 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion: 88 Resp: 9383

Ion	Ratio	Lower	Upper
88	100		
43	48.3	37.9	56.9
58	87.1	65.8	98.6



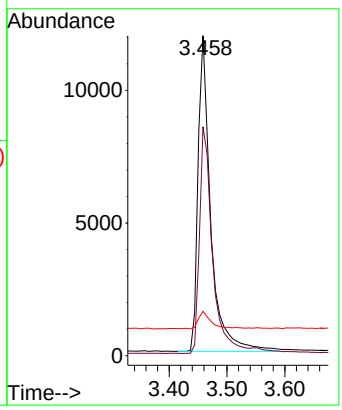


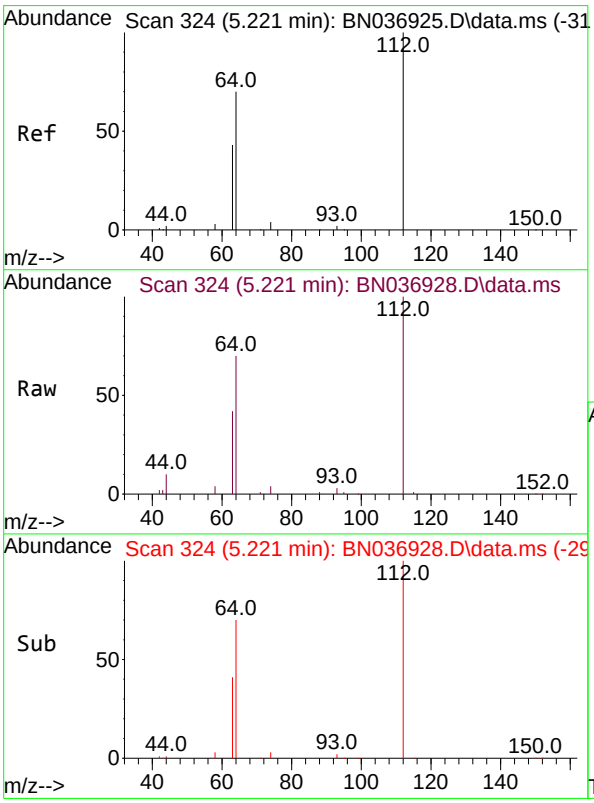
#3
n-Nitrosodimethylamine
Concen: 3.122 ng
RT: 3.458 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 18278

Ion	Ratio	Lower	Upper
42	100		
74	74.8	59.9	89.9
44	5.4	7.5	11.3#

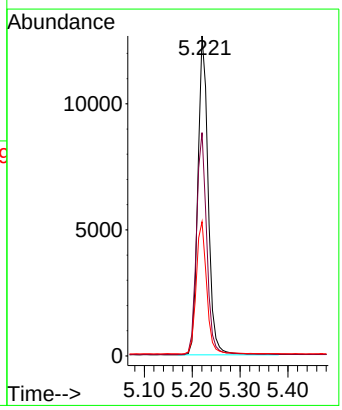


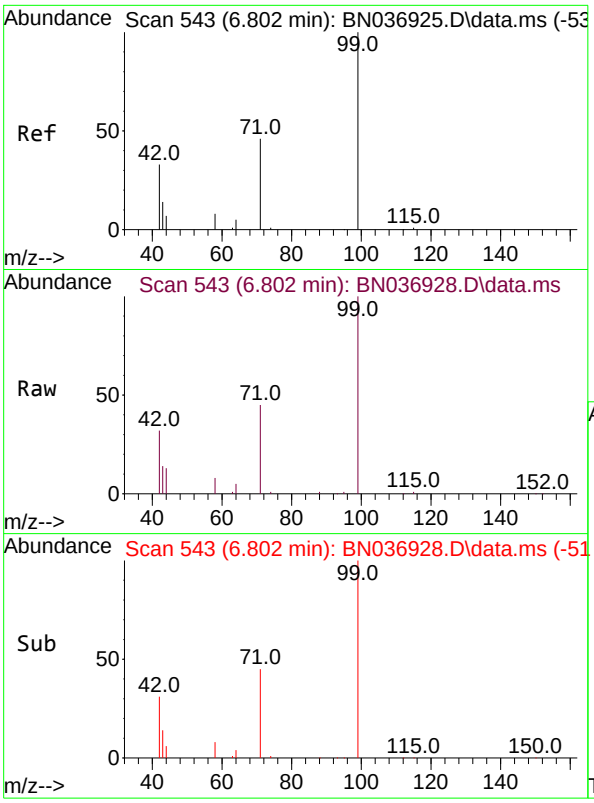


#4
2-Fluorophenol
Concen: 3.045 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:112 Resp: 18856

Ion	Ratio	Lower	Upper
112	100		
64	69.6	55.7	83.5
63	42.0	33.9	50.9



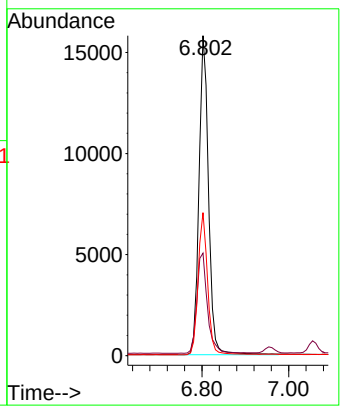


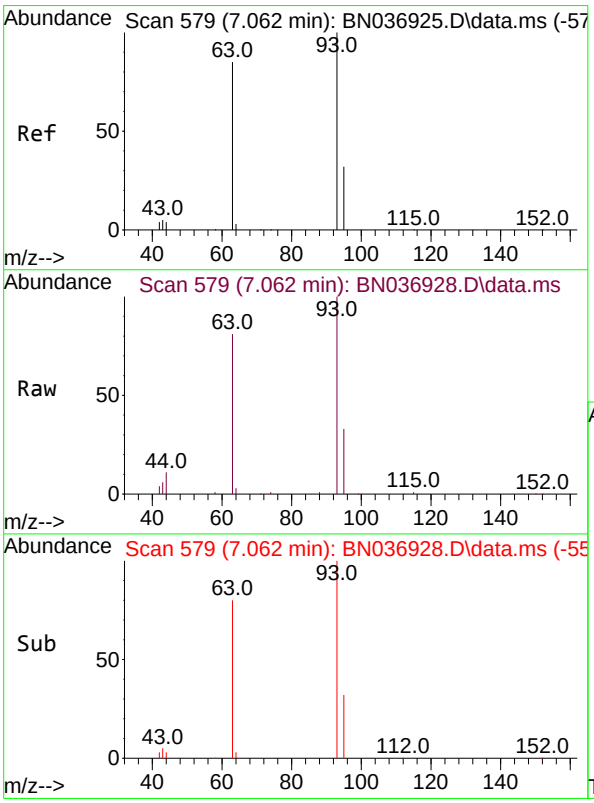
#5
Phenol-d6
Concen: 3.194 ng
RT: 6.802 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 24093

Ion	Ratio	Lower	Upper
99	100		
42	35.0	29.6	44.4
71	44.3	36.0	54.0

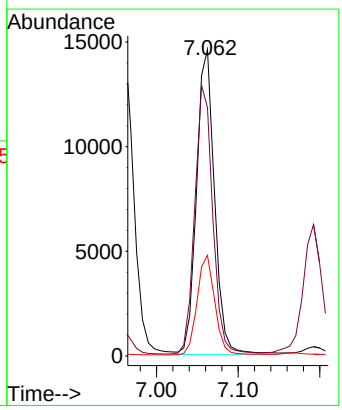


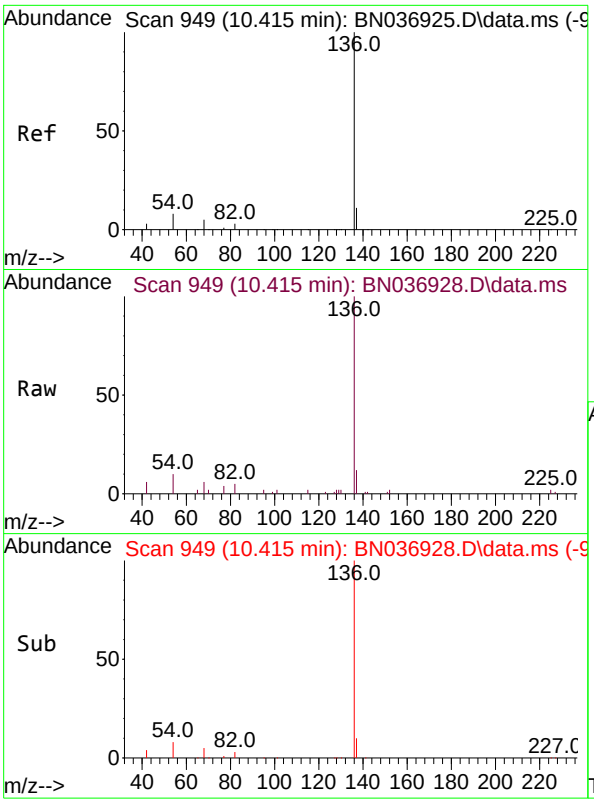


#6
bis(2-Chloroethyl)ether
Concen: 3.183 ng
RT: 7.062 min Scan# 579
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion: 93 Resp: 22311

Ion	Ratio	Lower	Upper
93	100		
63	87.8	69.0	103.6
95	32.2	25.4	38.0



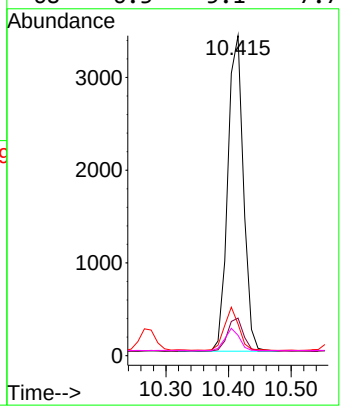


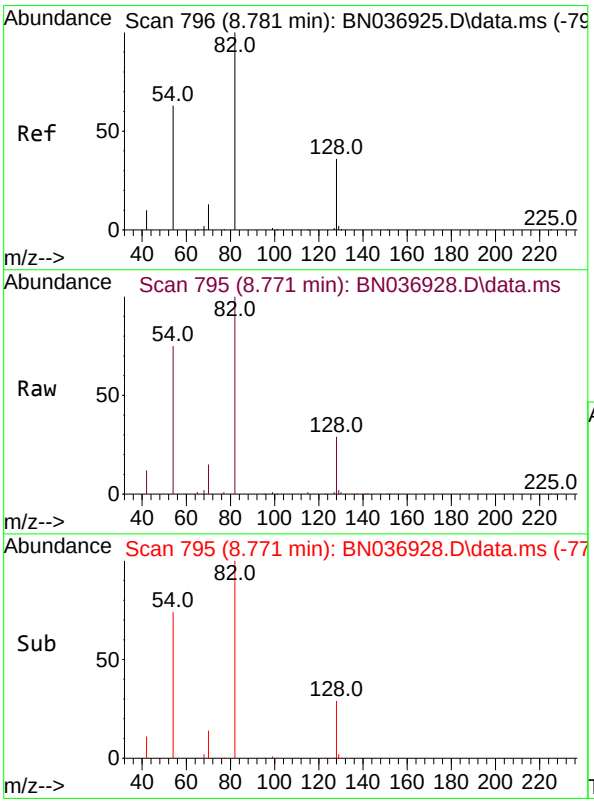
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 5910

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	9.9	8.0	12.0
68	6.3	5.1	7.7

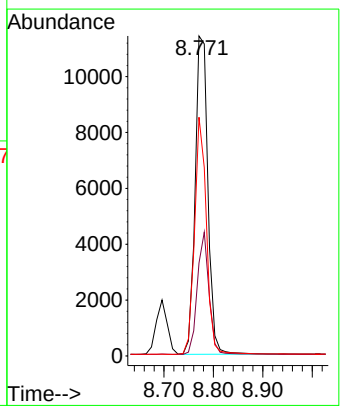


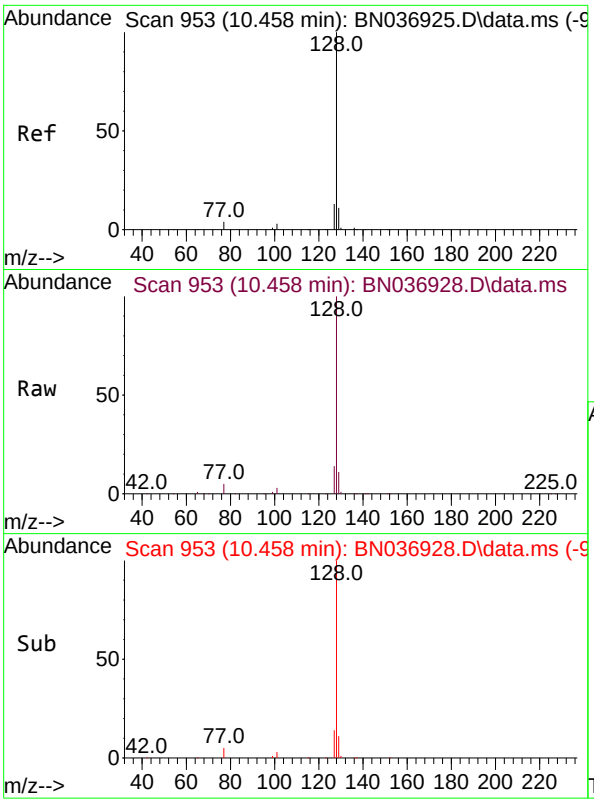


#8
Nitrobenzene-d5
Concen: 3.326 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion: 82 Resp: 20418

Ion	Ratio	Lower	Upper
82	100		
128	29.1	30.7	46.1#
54	74.6	52.1	78.1



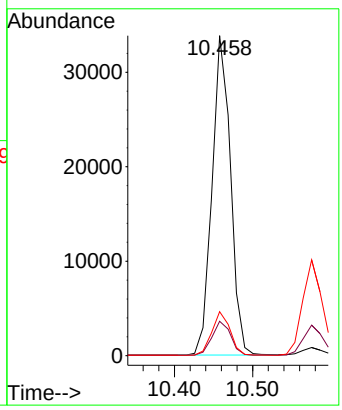


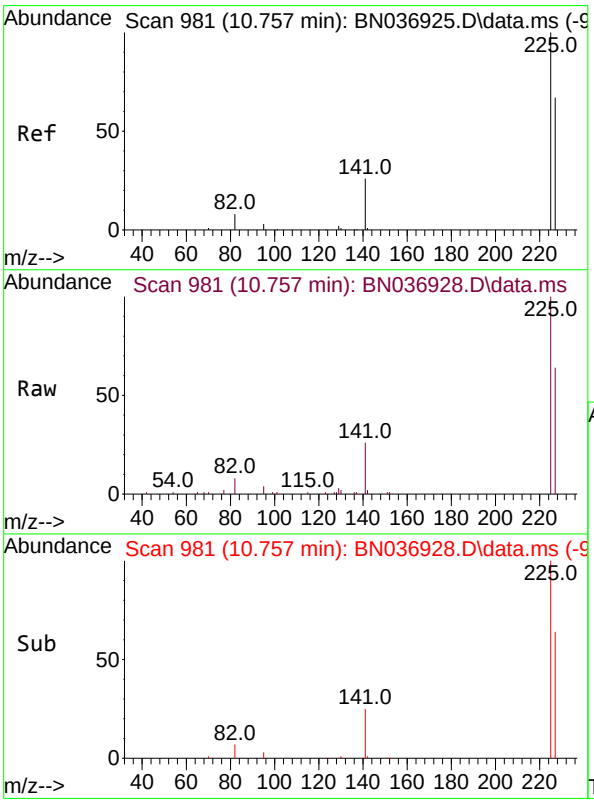
#9
Naphthalene
Concen: 3.217 ng
RT: 10.458 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 55337

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.8	14.6
127	13.8	11.4	17.2

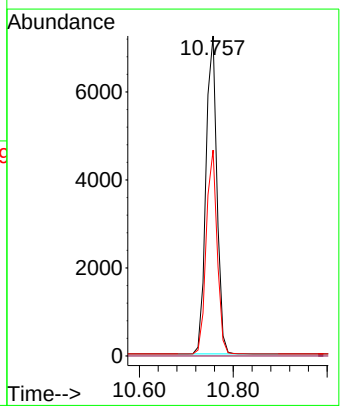


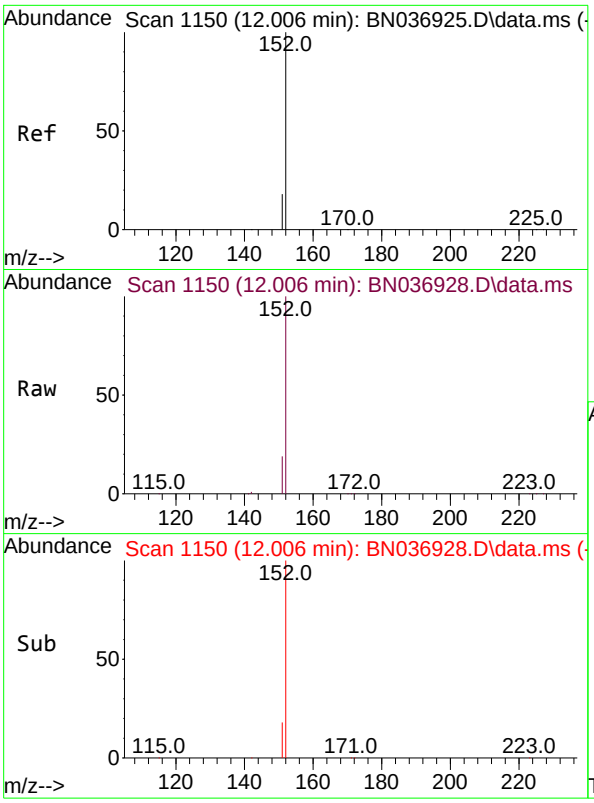


#10
Hexachlorobutadiene
Concen: 3.121 ng
RT: 10.757 min Scan# 981
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:225 Resp: 11705

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	52.2	78.4



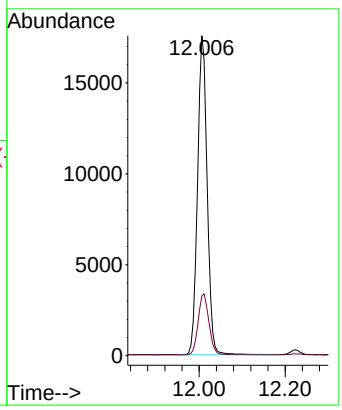


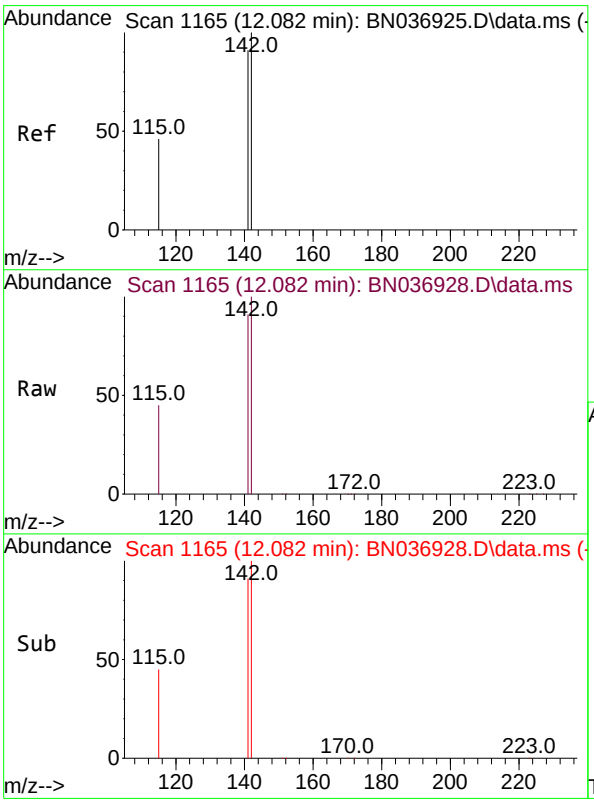
#11
2-Methylnaphthalene-d10
Concen: 3.319 ng
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 27198

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.9	25.3

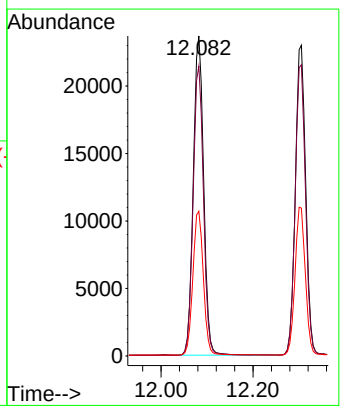


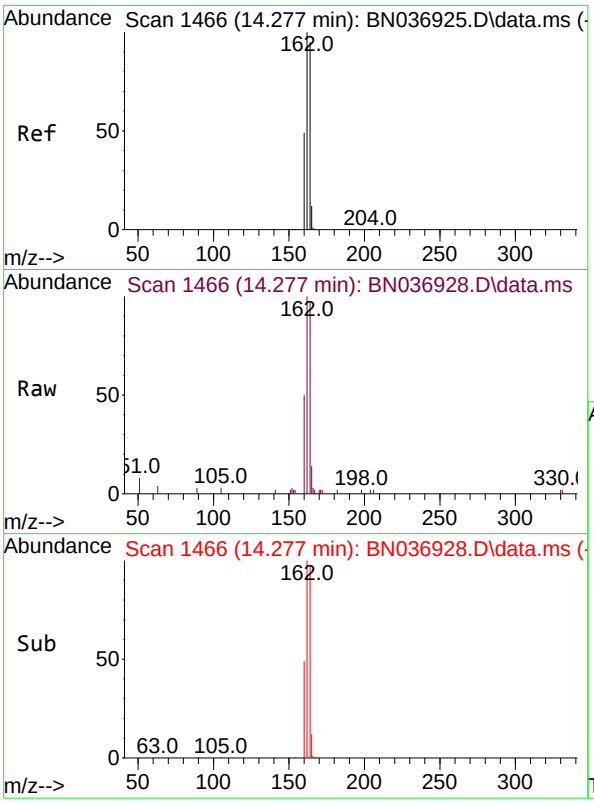


#12
2-Methylnaphthalene
Concen: 3.361 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:142 Resp: 36995

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.8	109.2
115	45.2	38.2	57.4



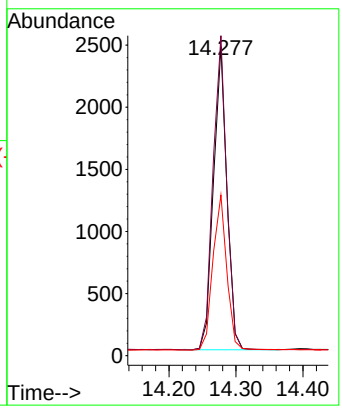


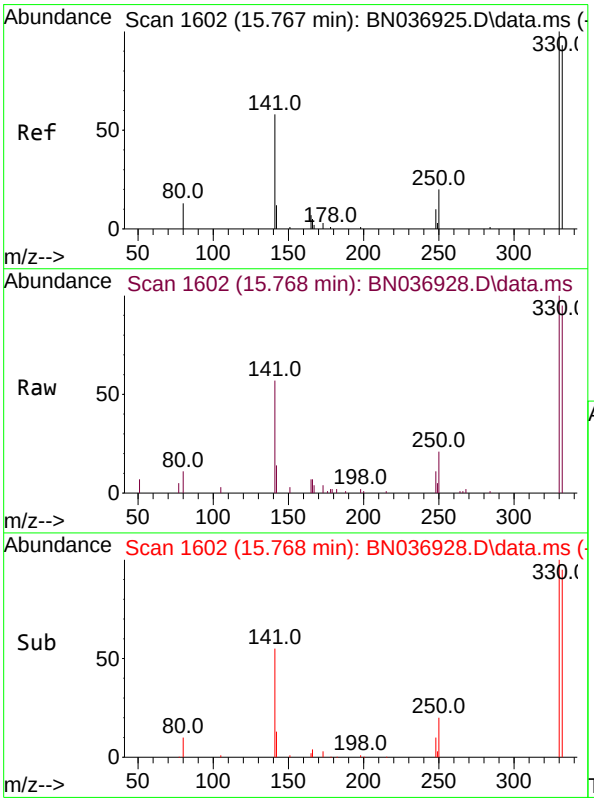
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 3394

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.8	125.8
160	51.9	42.0	63.0

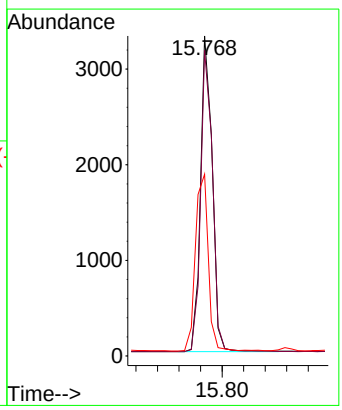


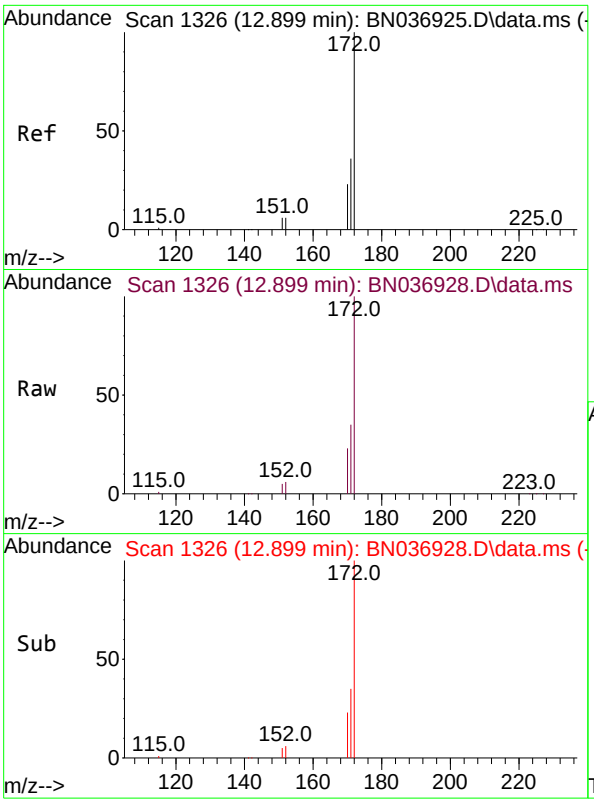


#14
2,4,6-Tribromophenol
Concen: 3.360 ng
RT: 15.768 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:330 Resp: 4998

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.3	114.5
141	61.6	45.4	68.2



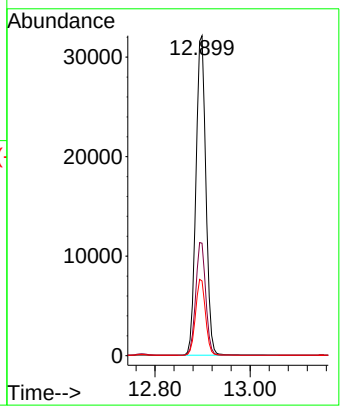


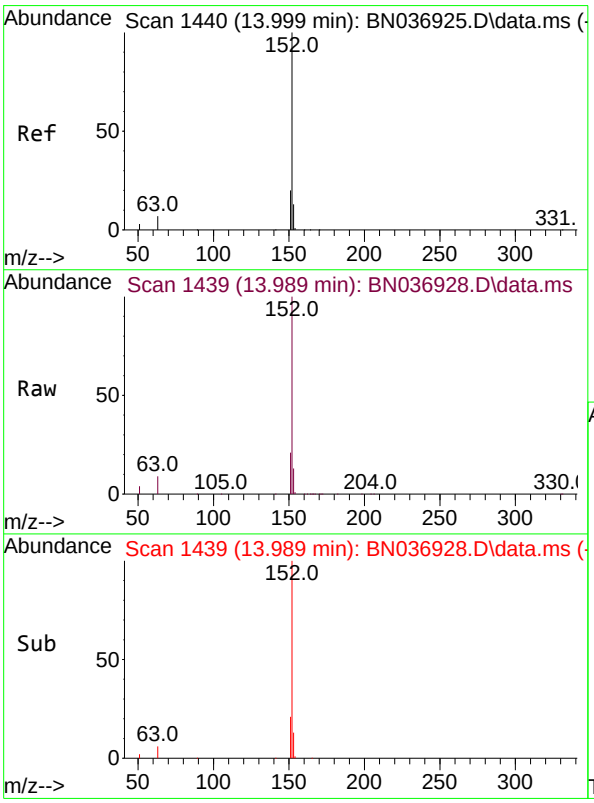
#15
2-Fluorobiphenyl
Concen: 3.285 ng
RT: 12.899 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 53914

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.4	19.4	29.0

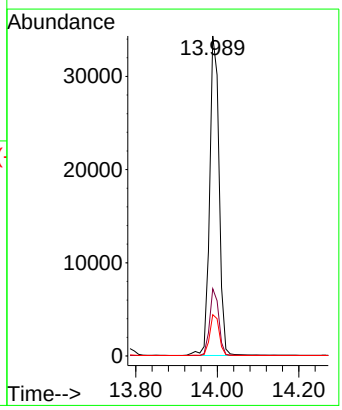


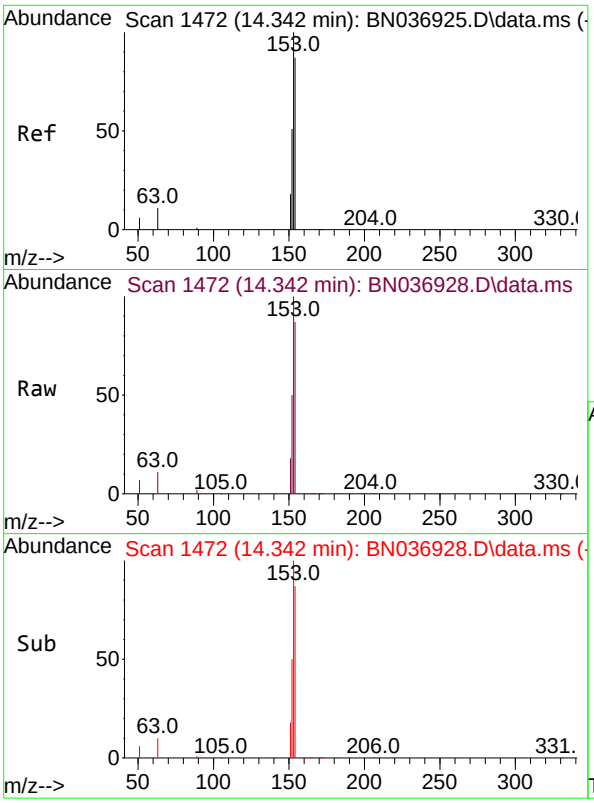


#16
Acenaphthylene
Concen: 3.362 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:152 Resp: 55247

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	12.8	10.2	15.2



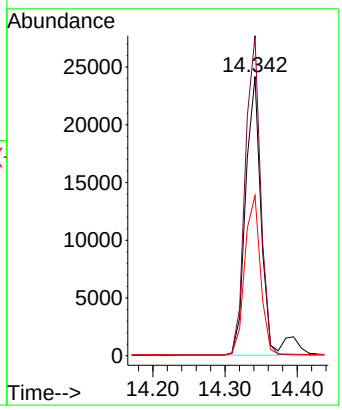


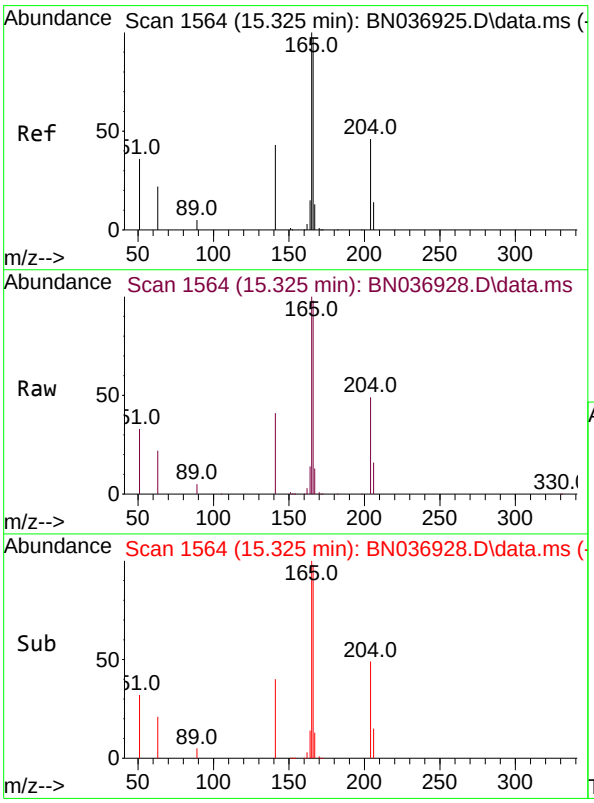
#17
Acenaphthene
Concen: 3.236 ng
RT: 14.342 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 35171

Ion	Ratio	Lower	Upper
154	100		
153	115.7	93.4	140.2
152	59.7	49.5	74.3

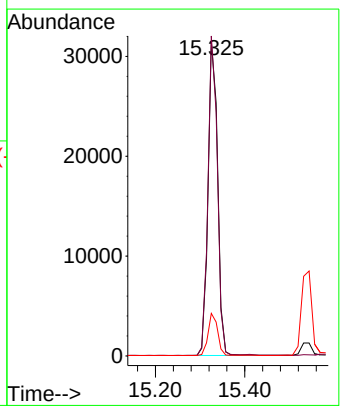


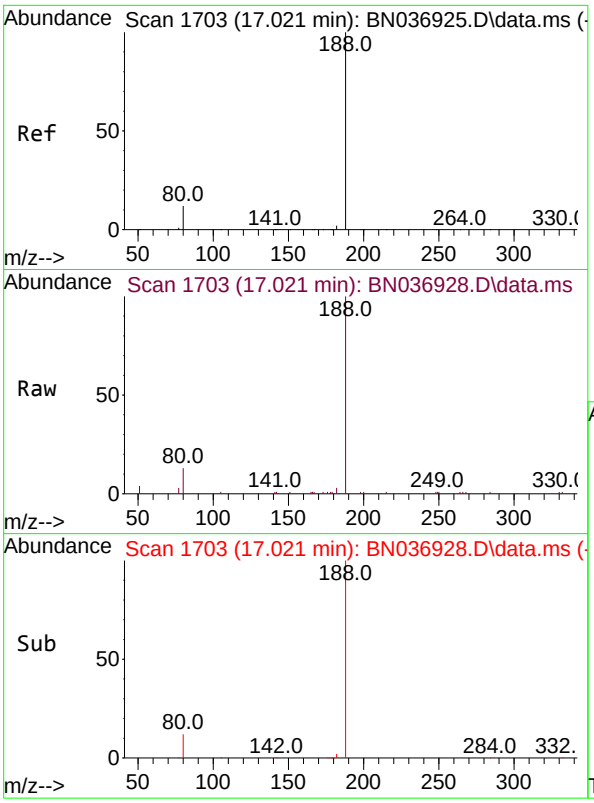


#18
Fluorene
Concen: 3.301 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:166 Resp: 46714

Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.8	121.2
167	13.3	10.8	16.2



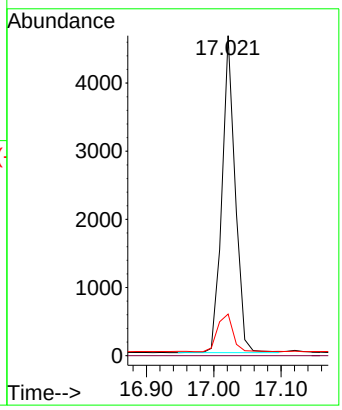


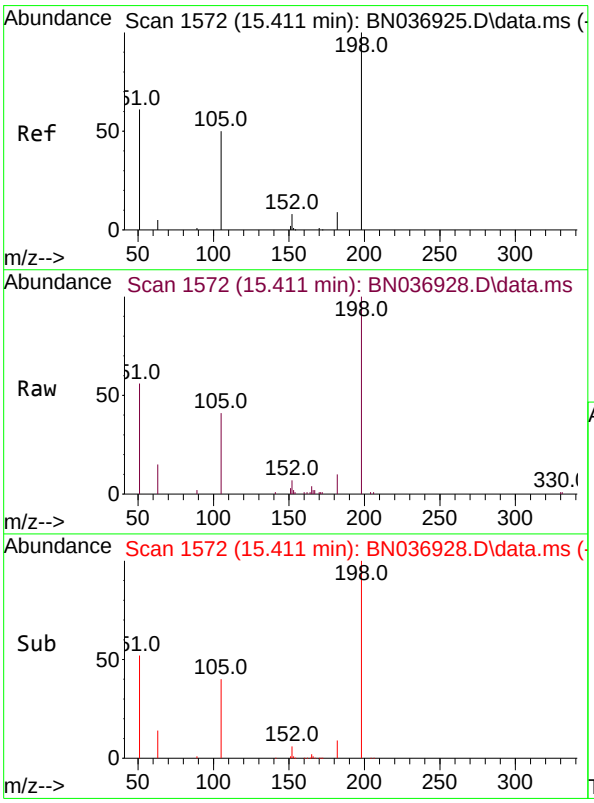
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 6361

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	10.7	16.1

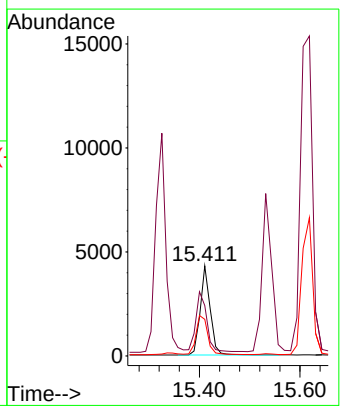


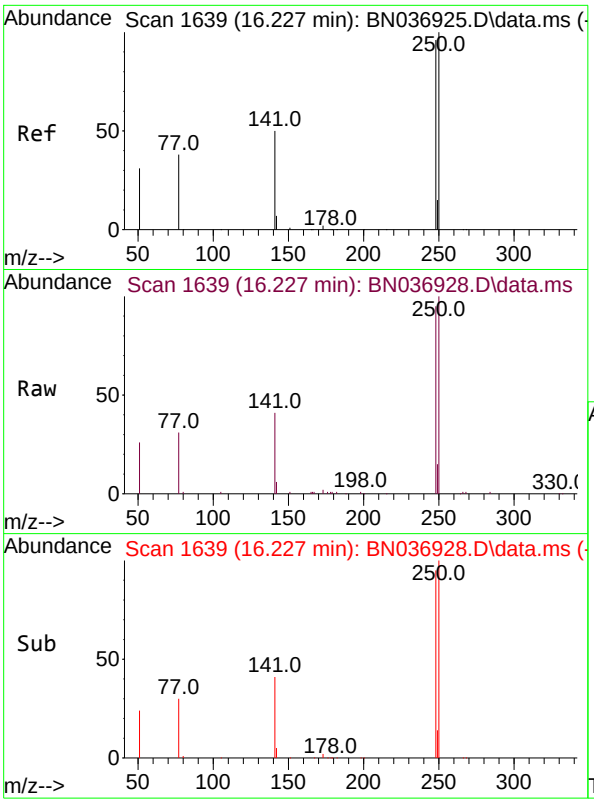


#20
4,6-Dinitro-2-methylphenol
Concen: 3.823 ng
RT: 15.411 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:198 Resp: 6093

Ion	Ratio	Lower	Upper
198	100		
51	56.0	97.9	146.9#
105	40.7	50.0	75.0#



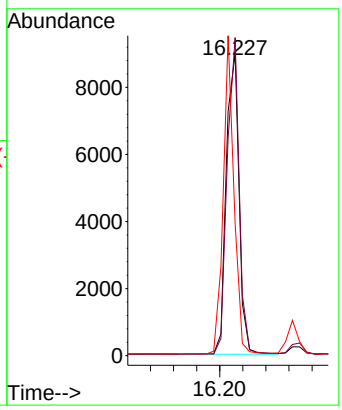


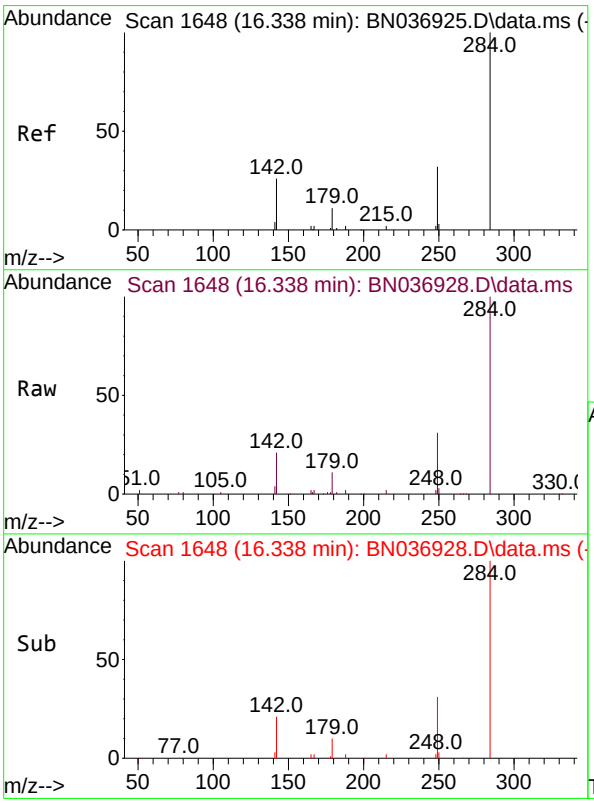
#21
4-Bromophenyl-phenylether
Concen: 3.266 ng
RT: 16.227 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 13834

Ion	Ratio	Lower	Upper
248	100		
250	105.4	83.7	125.5
141	43.6	43.8	65.8#

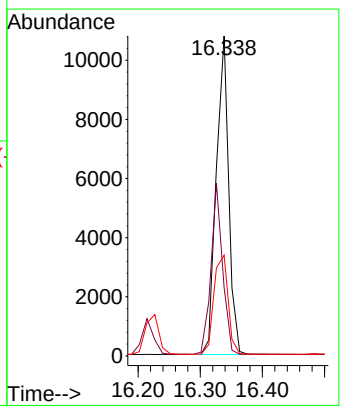


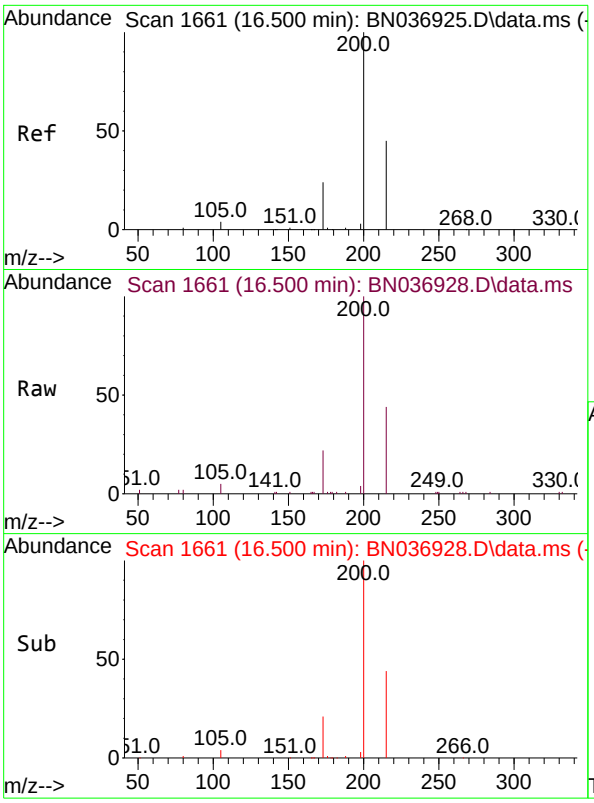


#22
Hexachlorobenzene
Concen: 3.181 ng
RT: 16.338 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:284 Resp: 14891

Ion	Ratio	Lower	Upper
284	100		
142	50.5	40.0	60.0
249	35.8	28.2	42.2



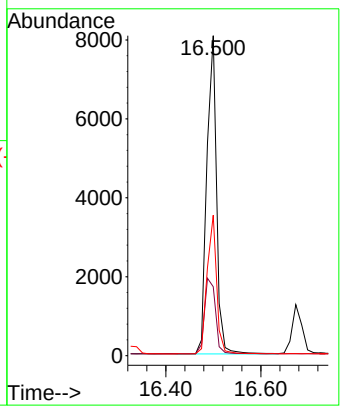


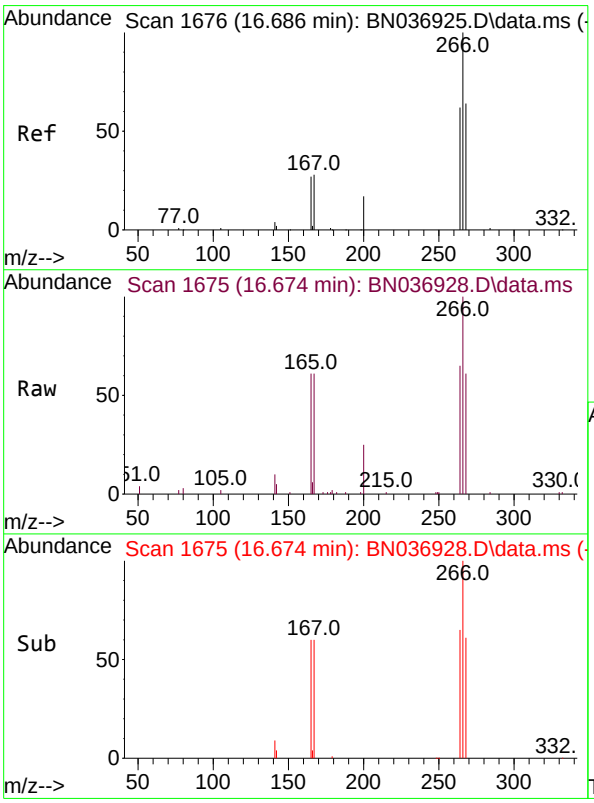
#23
Atrazine
Concen: 3.449 ng
RT: 16.500 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 11521

Ion	Ratio	Lower	Upper
200	100		
173	21.6	22.4	33.6#
215	43.9	38.6	57.8

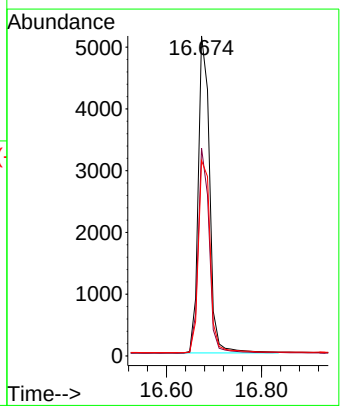


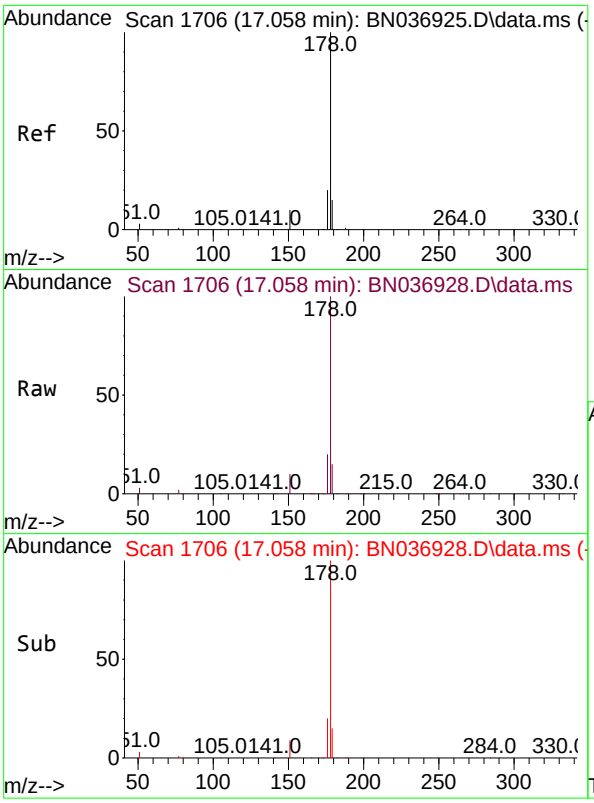


#24
Pentachlorophenol
Concen: 3.511 ng
RT: 16.674 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:266 Resp: 8528

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.9	74.9
268	63.7	52.2	78.4



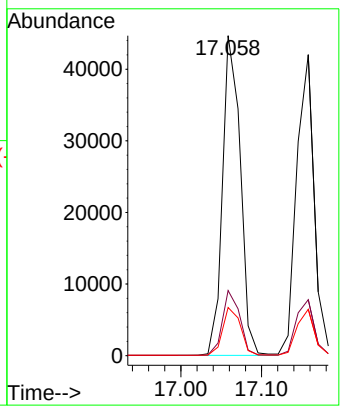


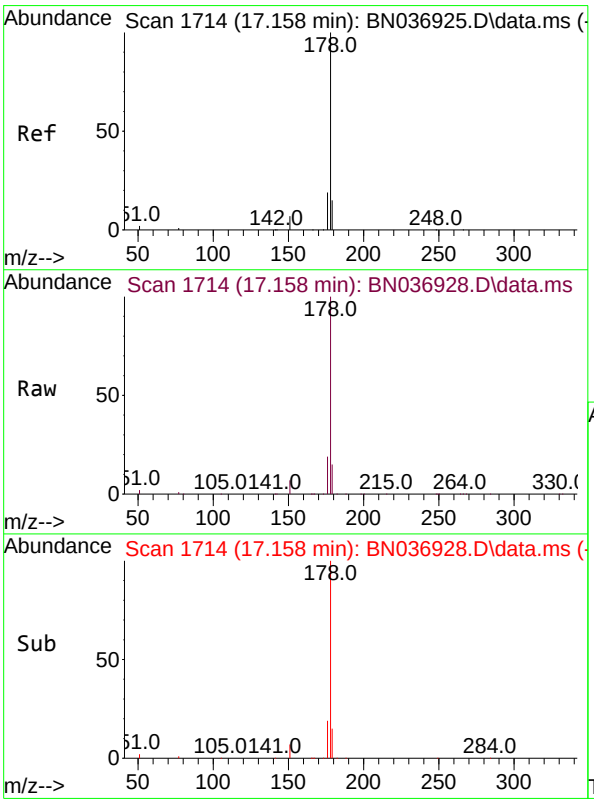
#25
Phenanthrene
Concen: 3.273 ng
RT: 17.058 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 68482

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.1	12.4	18.6

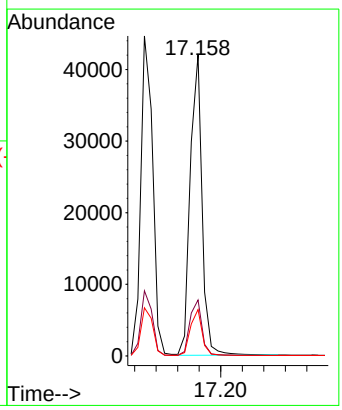


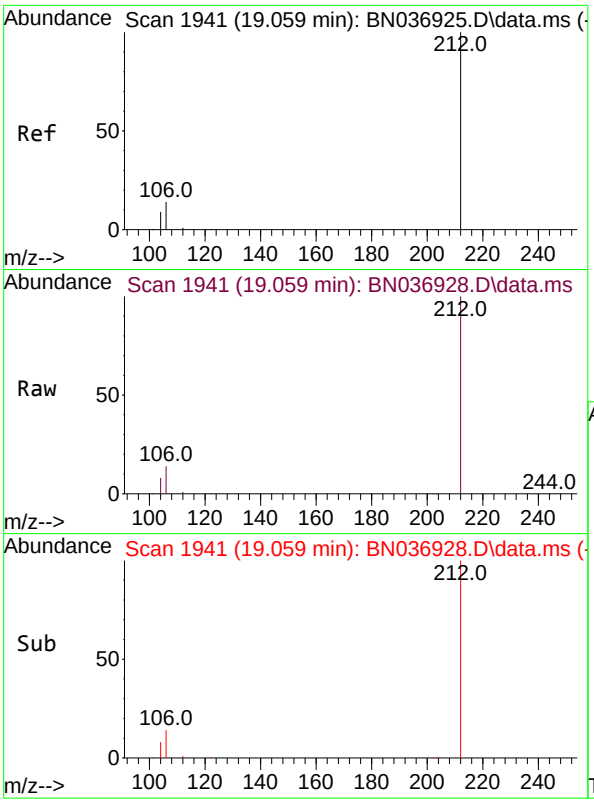


#26
Anthracene
Concen: 3.430 ng
RT: 17.158 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:178 Resp: 64181

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.1	18.1



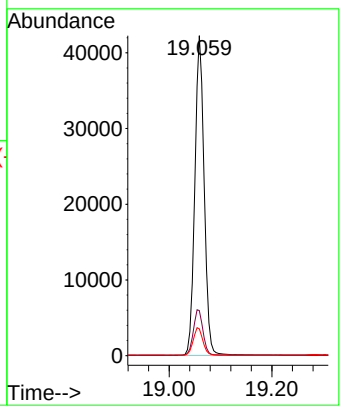


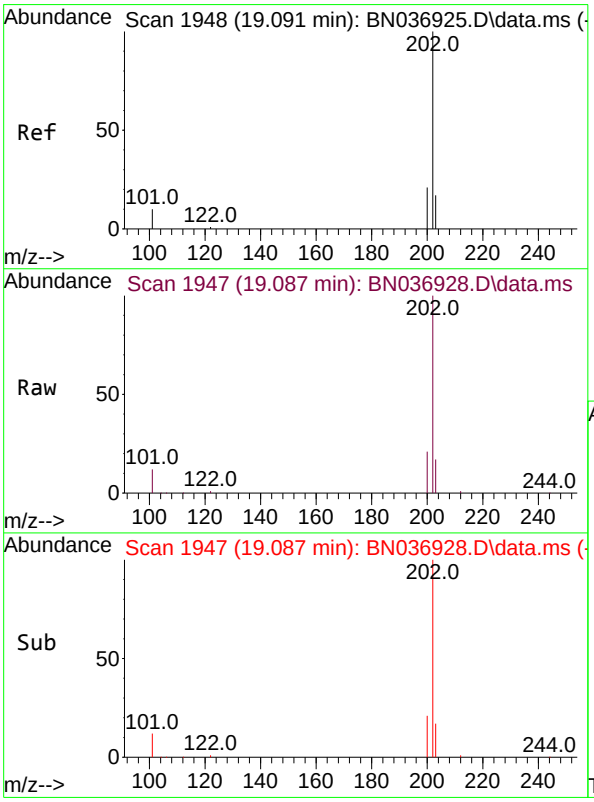
#27
Fluoranthene-d10
Concen: 3.290 ng
RT: 19.059 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 53576

Ion	Ratio	Lower	Upper
212	100		
106	14.7	11.6	17.4
104	8.8	7.0	10.4

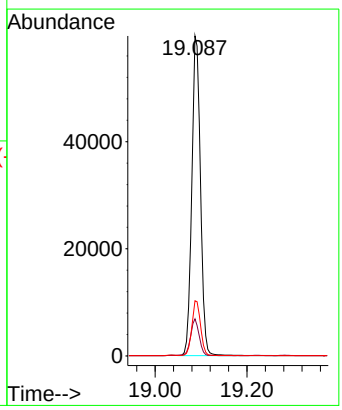


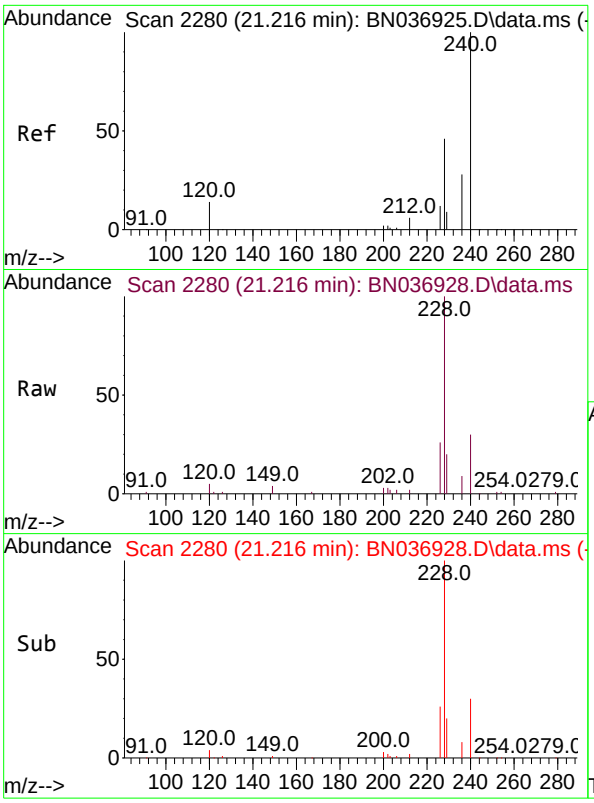


#28
Fluoranthene
Concen: 3.358 ng
RT: 19.087 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:202 Resp: 77836

Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.5	12.7
203	17.2	13.7	20.5



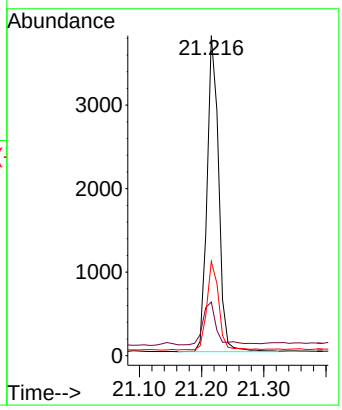


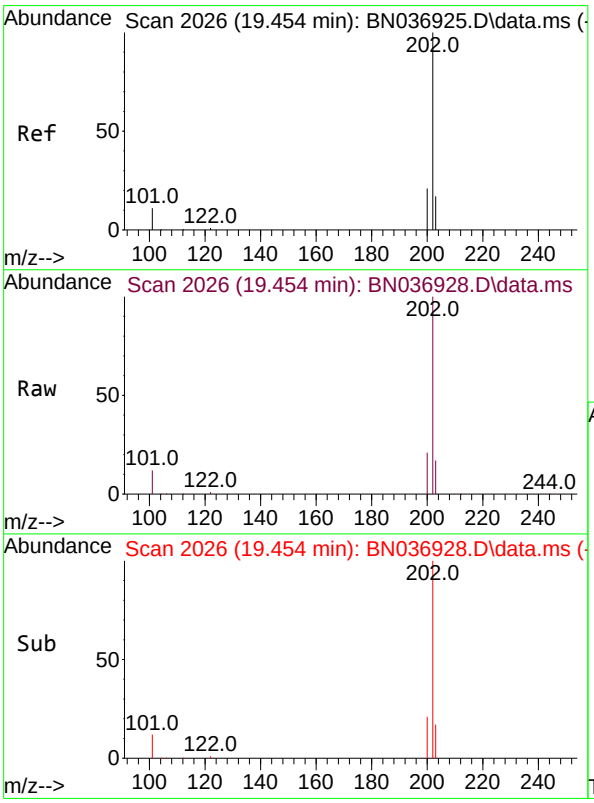
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 4896

Ion	Ratio	Lower	Upper
240	100		
120	16.7	14.1	21.1
236	29.5	23.8	35.8

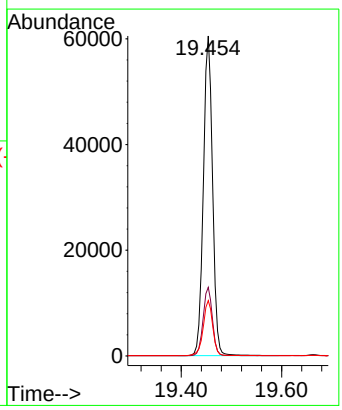


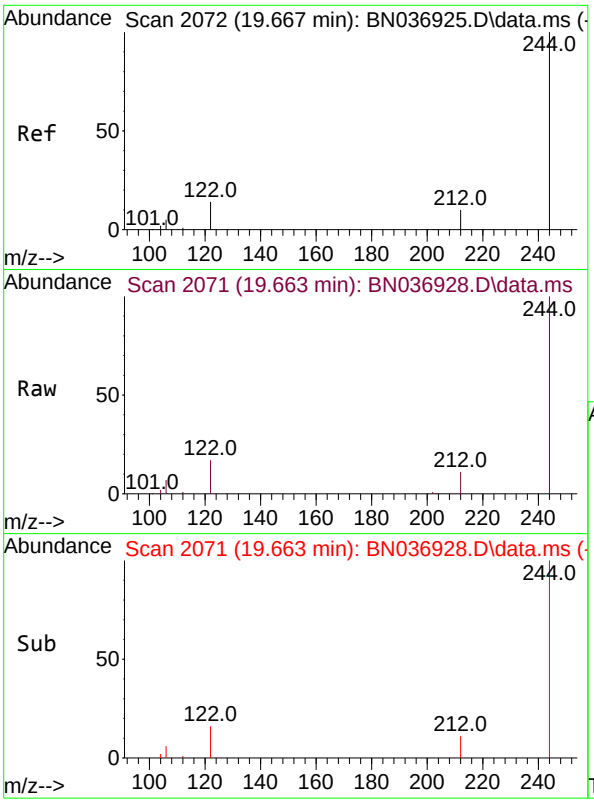


#30
Pyrene
Concen: 3.241 ng
RT: 19.454 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:202 Resp: 77117

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.7	14.0	21.0



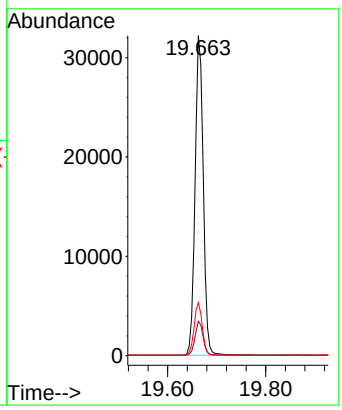


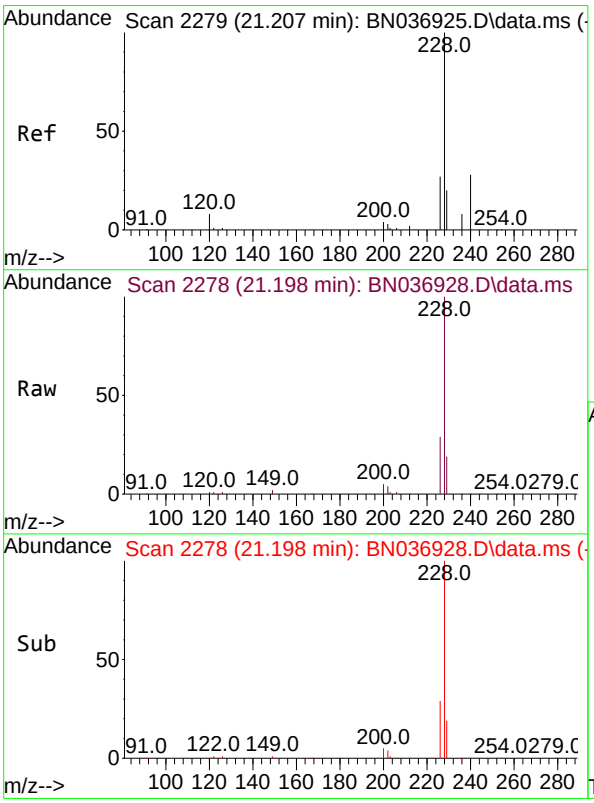
#31
Terphenyl-d14
Concen: 3.200 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 37287

Ion	Ratio	Lower	Upper
244	100		
212	10.7	9.6	14.4
122	16.5	12.7	19.1

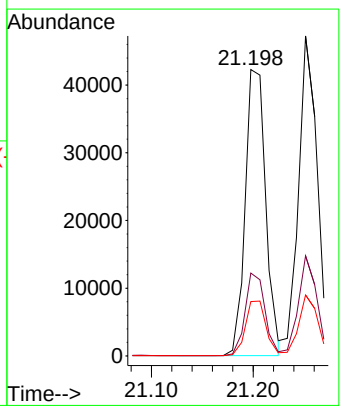


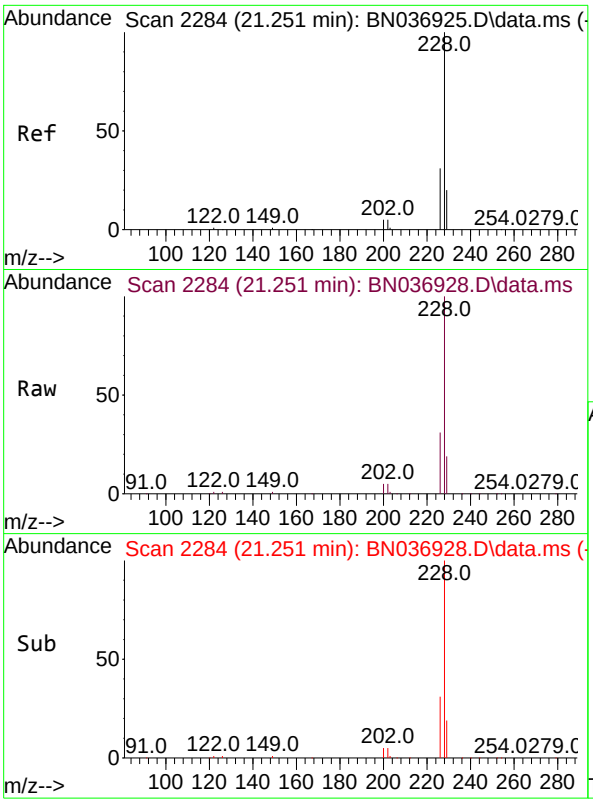


#32
Benzo(a)anthracene
Concen: 3.310 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:228 Resp: 59092

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.0	16.4	24.6



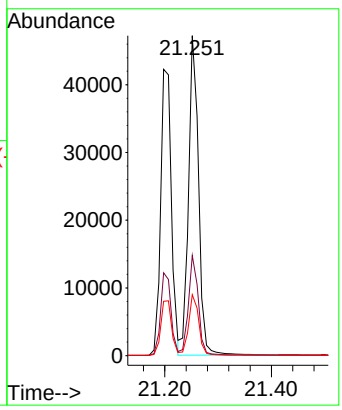


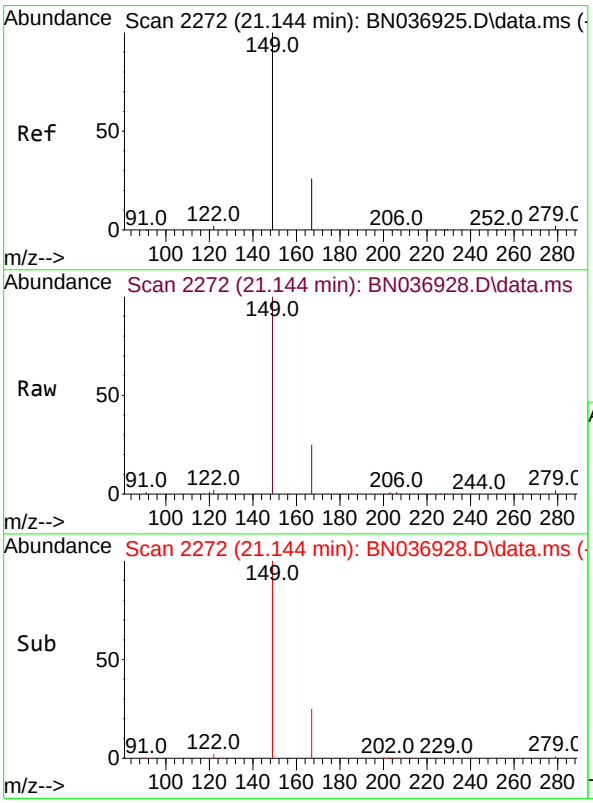
#33
Chrysene
Concen: 3.149 ng
RT: 21.251 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 61582

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.5	38.3
229	19.1	16.5	24.7

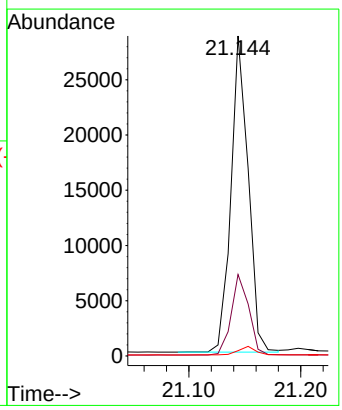


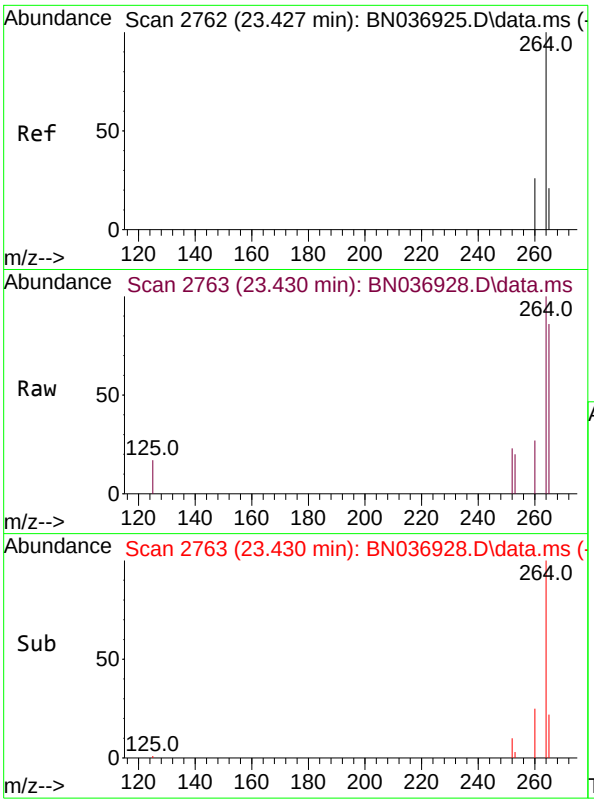


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.002 ng
RT: 21.144 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:149 Resp: 30625

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.6
279	2.7	2.7	4.1#



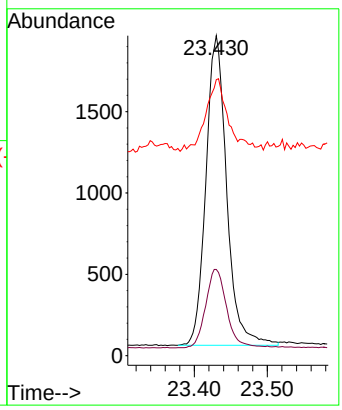


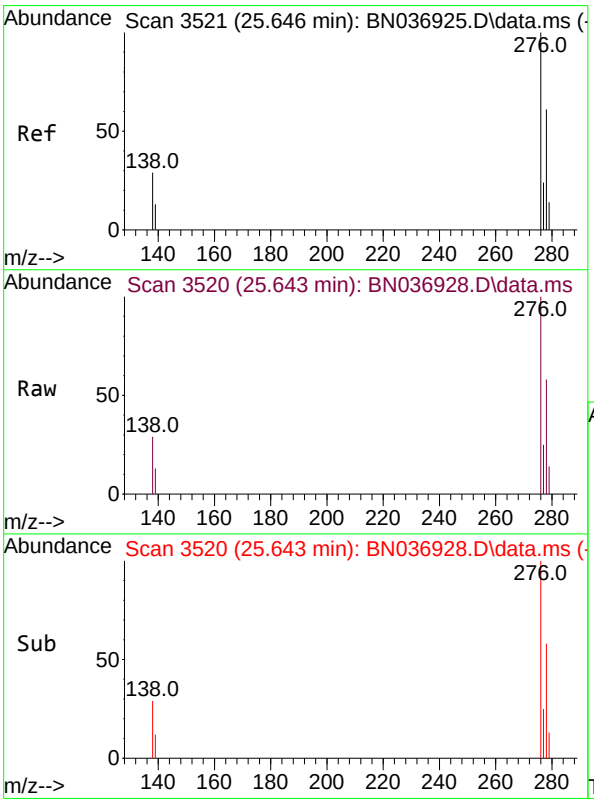
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.430 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 3763

Ion	Ratio	Lower	Upper
264	100		
260	26.9	22.2	33.2
265	86.3	65.8	98.6

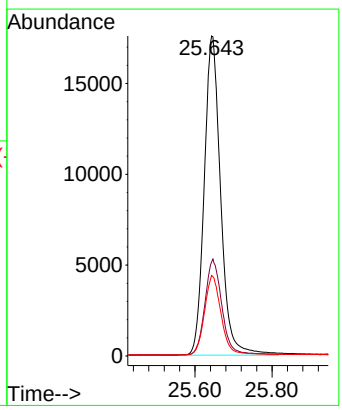


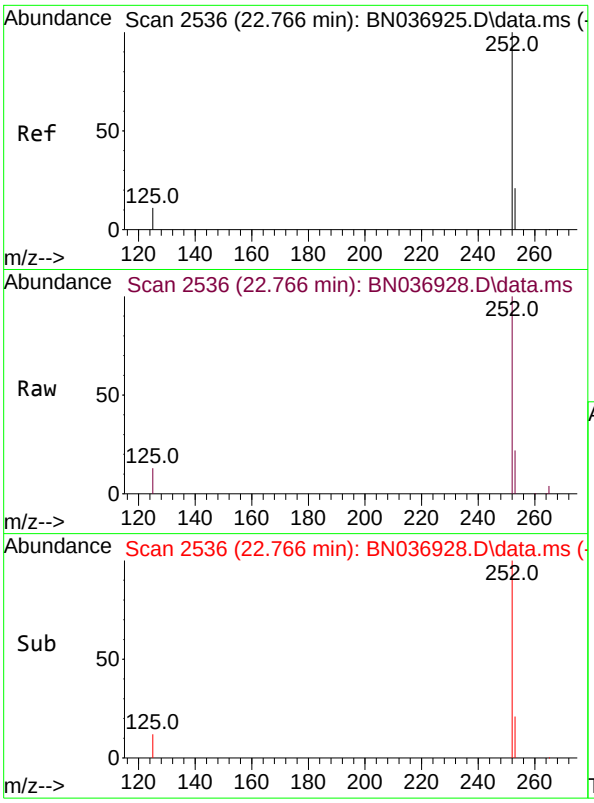


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.369 ng
RT: 25.643 min Scan# 3520
Delta R.T. -0.003 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:276 Resp: 51906

Ion	Ratio	Lower	Upper
276	100		
138	30.7	23.0	34.6
277	25.1	20.0	30.0



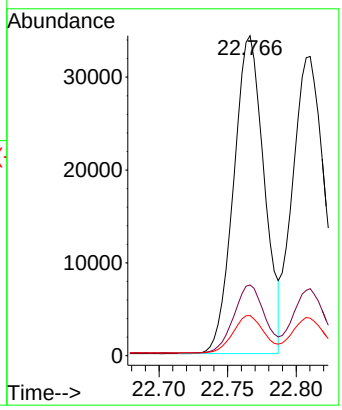


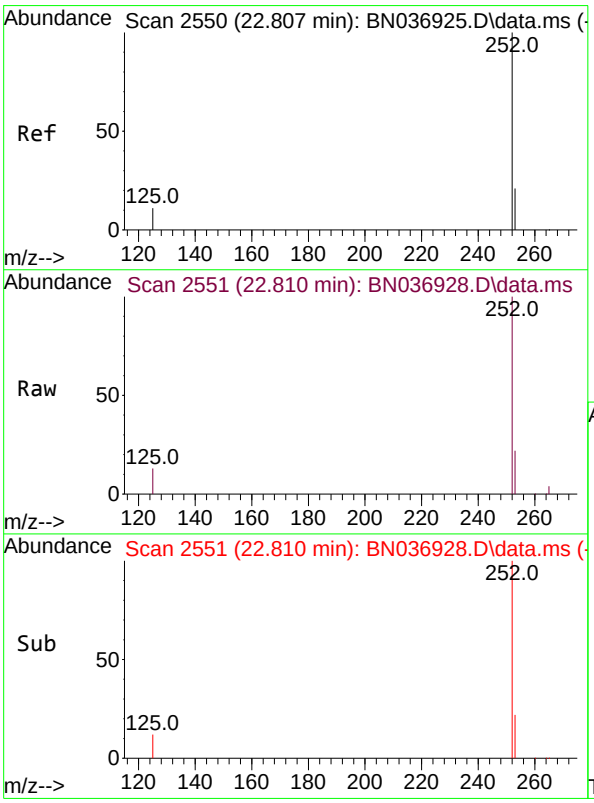
#37
Benzo(b)fluoranthene
Concen: 3.393 ng
RT: 22.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 52921

Ion	Ratio	Lower	Upper
252	100		
253	22.1	22.1	33.1
125	12.6	14.2	21.2#

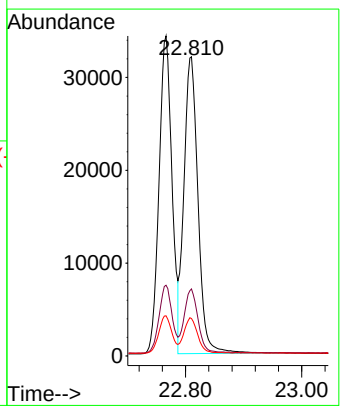


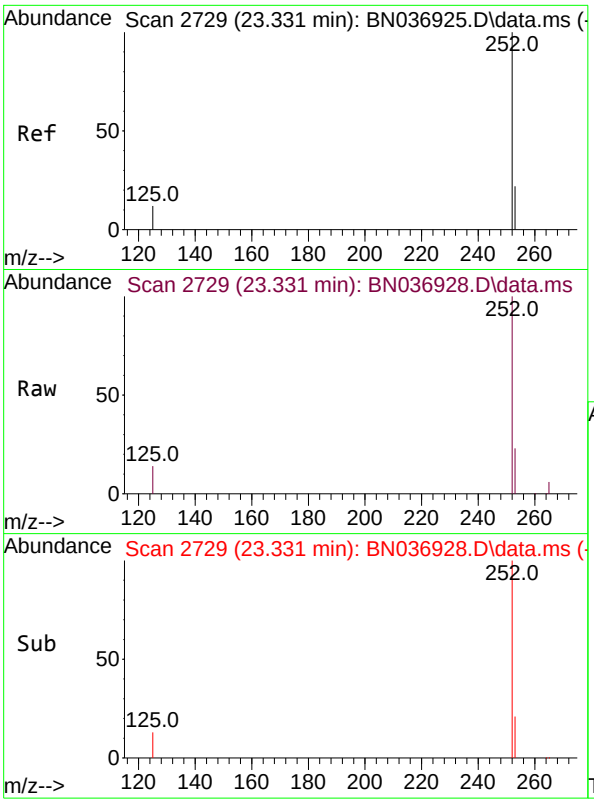


#38
Benzo(k)fluoranthene
Concen: 3.406 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:252 Resp: 53706

Ion	Ratio	Lower	Upper
252	100		
253	22.4	22.8	34.2#
125	12.5	14.2	21.2#



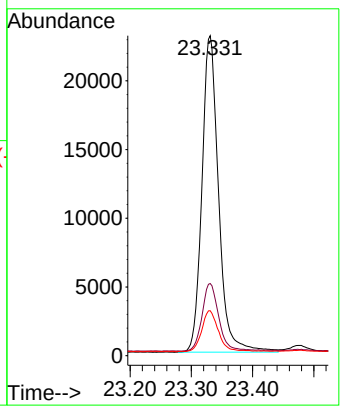


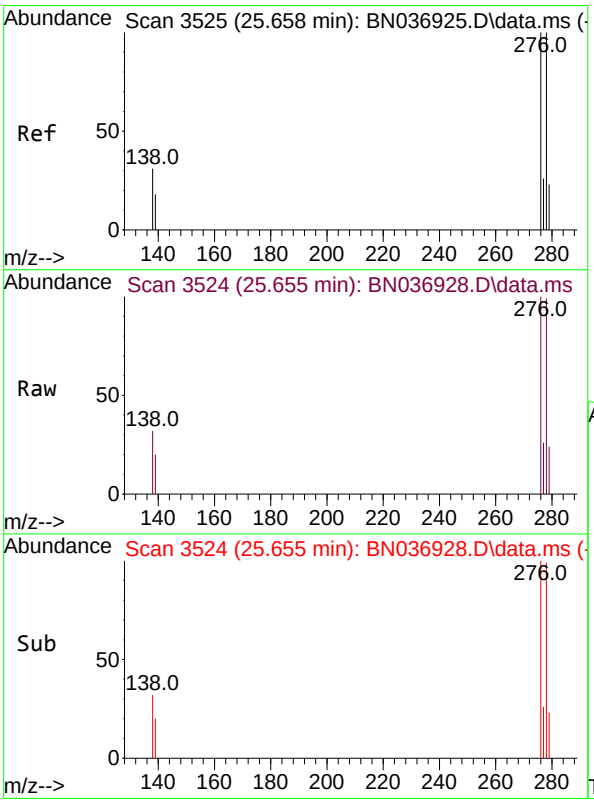
#39
Benzo(a)pyrene
Concen: 3.387 ng
RT: 23.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 43554

Ion	Ratio	Lower	Upper
252	100		
253	22.6	25.9	38.9#
125	14.1	17.4	26.0#

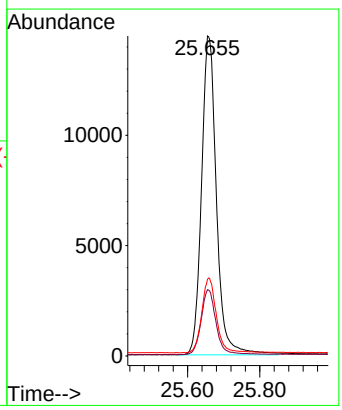


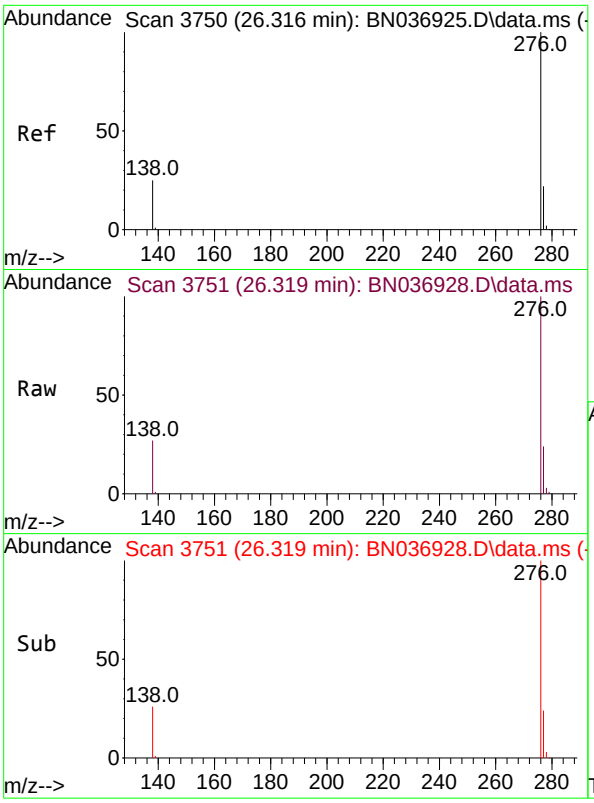


#40
Dibenzo(a,h)anthracene
Concen: 3.423 ng
RT: 25.655 min Scan# 3524
Delta R.T. -0.003 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:278 Resp: 41500

Ion	Ratio	Lower	Upper
278	100		
139	20.7	17.4	26.2
279	23.9	24.9	37.3#





#41
Benzo(g,h,i)perylene
Concen: 3.263 ng
RT: 26.319 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 44250

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.2	30.2
138	26.8	21.9	32.9