Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036828.D
Acq On : 03 Apr 2025 18:26
Operator : RC/JU
Sample : PB167450BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Quant Time: Apr 04 00:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.695	152	2002	0.400	ng		-0.03
7) Naphthalene-d8	10.477	136	4746	0.400	ng		-0.03
13) Acenaphthene-d10	14.334	164	2613	0.400	ng		-0.03
19) Phenanthrene-d10	17.086	188	5480	0.400	ng		-0.02
29) Chrysene-d12	21.268	240	4282	0.400	ng		-0.03
35) Perylene-d12	23.513	264	3764	0.400	ng		#-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.290	112	1834	0.393	ng		-0.02
5) Phenol-d6	6.872	99	2150	0.373	ng		-0.03
8) Nitrobenzene-d5	8.843	82	1657	0.321	ng		-0.03
11) 2-Methylnaphthalene-d10	12.075	152	3594	0.509	ng		-0.04
14) 2,4,6-Tribromophenol	15.833	330	431	0.363	ng		-0.02
15) 2-Fluorobiphenyl	12.958	172	5388	0.354	ng		-0.03
27) Fluoranthene-d10	19.113	212	5132	0.365	ng		-0.03
31) Terphenyl-d14	19.722	244	3530	0.344	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.225	88	795	0.358	ng	#	40
3) n-Nitrosodimethylamine	3.528	42	1789	0.398	ng		99
6) bis(2-Chloroethyl)ether	7.125	93	2154	0.362	ng		99
9) Naphthalene	10.530	128	5090	0.365	ng		99
10) Hexachlorobutadiene	10.818	225	1229	0.374	ng	#	96
12) 2-Methylnaphthalene	12.146	142	3230	0.364	ng		98
16) Acenaphthylene	14.056	152	4832	0.392	ng		99
17) Acenaphthene	14.398	154	3102	0.384	ng		99
18) Fluorene	15.382	166	4152	0.380	ng		100
20) 4,6-Dinitro-2-methylph...	15.478	198	425	0.449	ng	#	80
21) 4-Bromophenyl-phenylether	16.280	248	1280	0.373	ng		92
22) Hexachlorobenzene	16.391	284	1493	0.360	ng		95
23) Atrazine	16.553	200	1157	0.420	ng		98
24) Pentachlorophenol	16.739	266	1209	0.640	ng		98
25) Phenanthrene	17.124	178	6546	0.398	ng		100
26) Anthracene	17.210	178	5931	0.400	ng		100
28) Fluoranthene	19.146	202	7512	0.407	ng		99
30) Pyrene	19.508	202	7742	0.370	ng		99
32) Benzo(a)anthracene	21.259	228	5808	0.390	ng		100
33) Chrysene	21.313	228	6830	0.420	ng		99
34) Bis(2-ethylhexyl)phtha...	21.196	149	3526	0.333	ng		98
36) Indeno(1,2,3-cd)pyrene	25.776	276	5856	0.431	ng		96
37) Benzo(b)fluoranthene	22.841	252	5486	0.400	ng		95
38) Benzo(k)fluoranthene	22.885	252	6159	0.429	ng		94
39) Benzo(a)pyrene	23.417	252	5008	0.434	ng	#	92
40) Dibenzo(a,h)anthracene	25.800	278	4402	0.416	ng		96
41) Benzo(g,h,i)perylene	26.466	276	4787	0.396	ng		96

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

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Instrument :
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Quant Time: Apr 04 00:56:29 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
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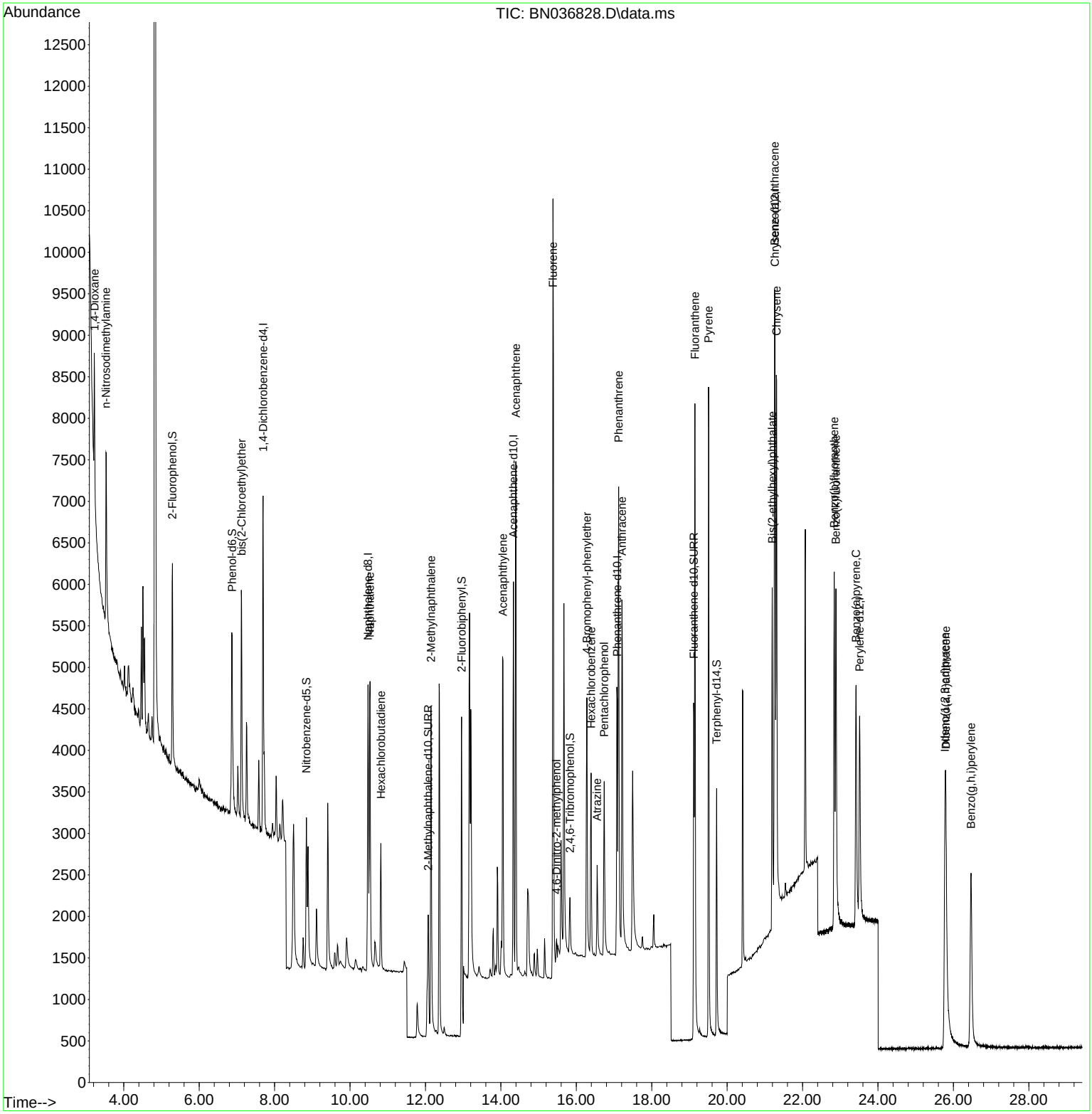
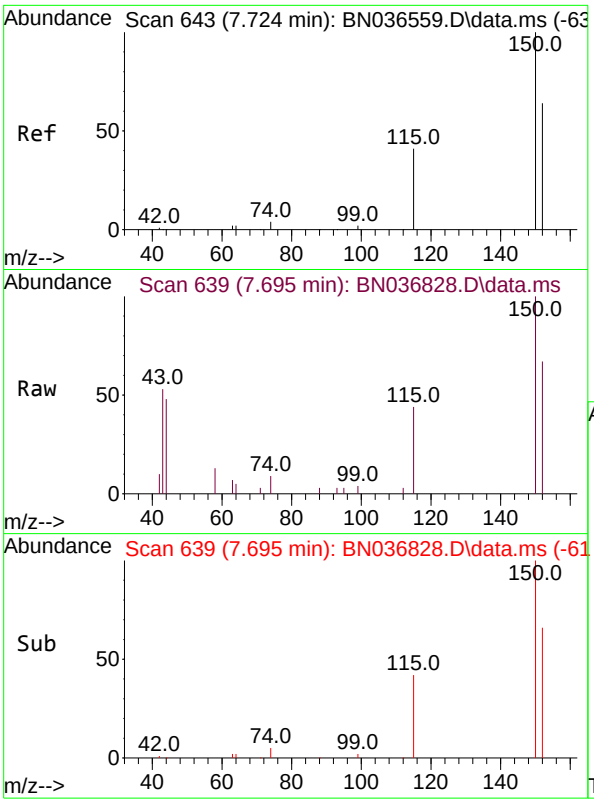


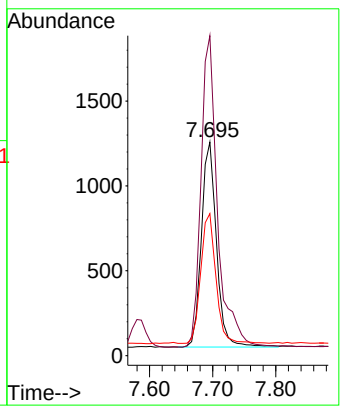


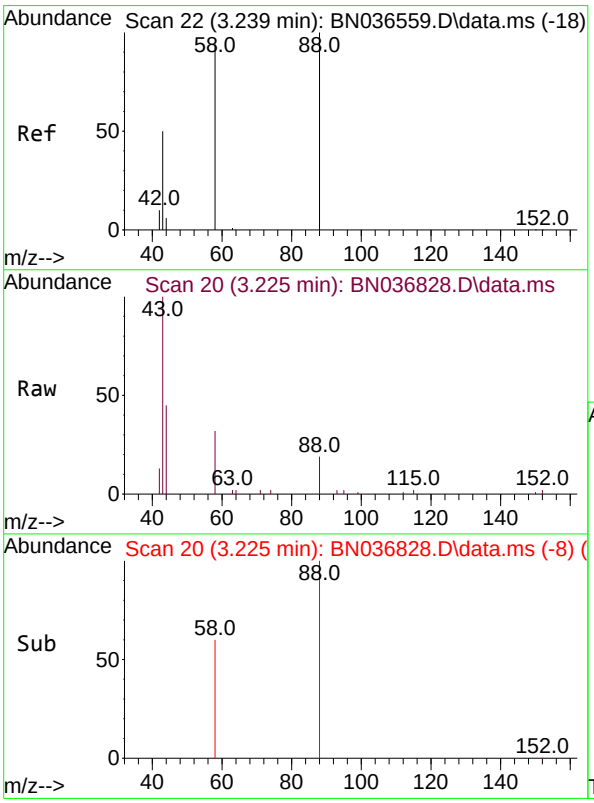
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.695 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:152 Resp: 2002

Ion	Ratio	Lower	Upper
152	100		
150	149.8	123.7	185.5
115	66.5	54.3	81.5

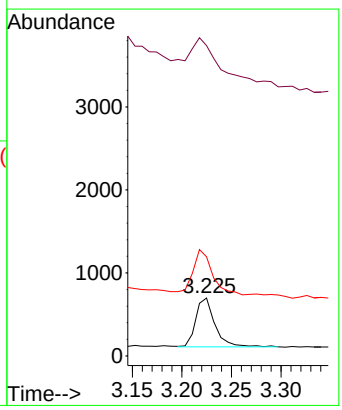


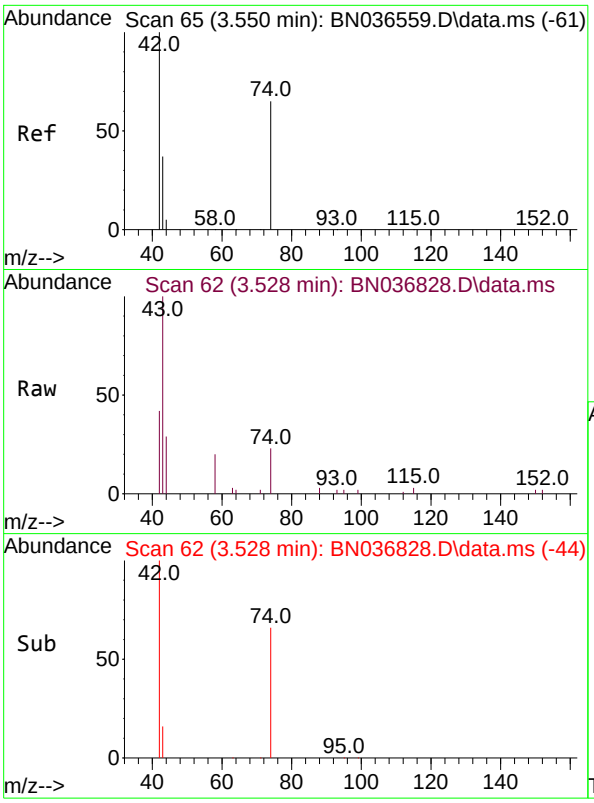


#2
1,4-Dioxane
Concen: 0.358 ng
RT: 3.225 min Scan# 20
Delta R.T. -0.014 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion: 88 Resp: 795

Ion	Ratio	Lower	Upper
88	100		
43	152.8	37.8	56.8#
58	89.7	67.4	101.2



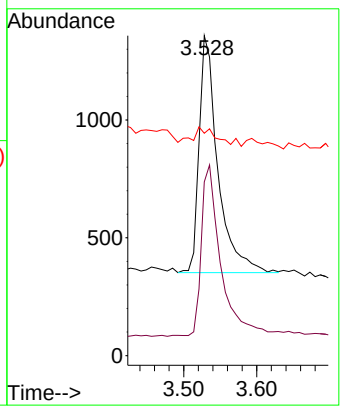


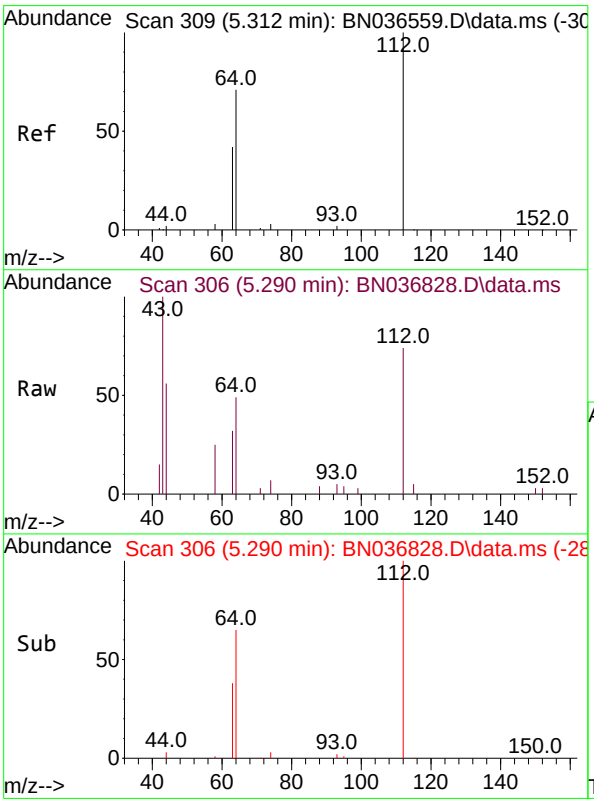
#3
n-Nitrosodimethylamine
Concen: 0.398 ng
RT: 3.528 min Scan# 6
Delta R.T. -0.022 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion: 42 Resp: 1789

Ion	Ratio	Lower	Upper
42	100		
74	75.2	60.6	90.8
44	7.4	6.3	9.5

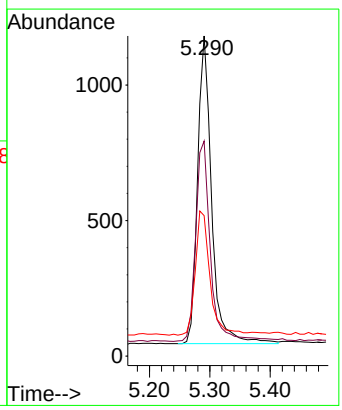


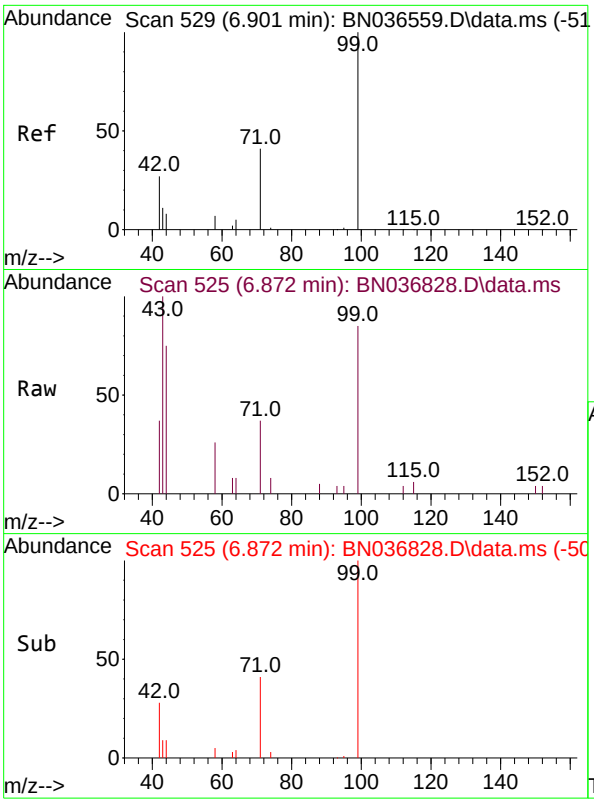


#4
2-Fluorophenol
Concen: 0.393 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.022 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:112 Resp: 1834

Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.1	79.7
63	42.4	31.8	47.8



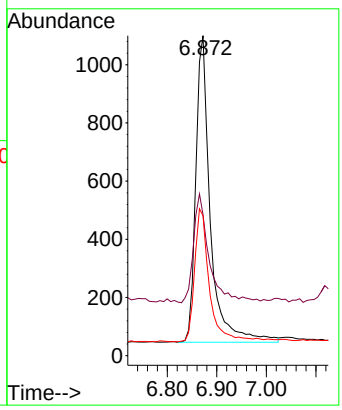


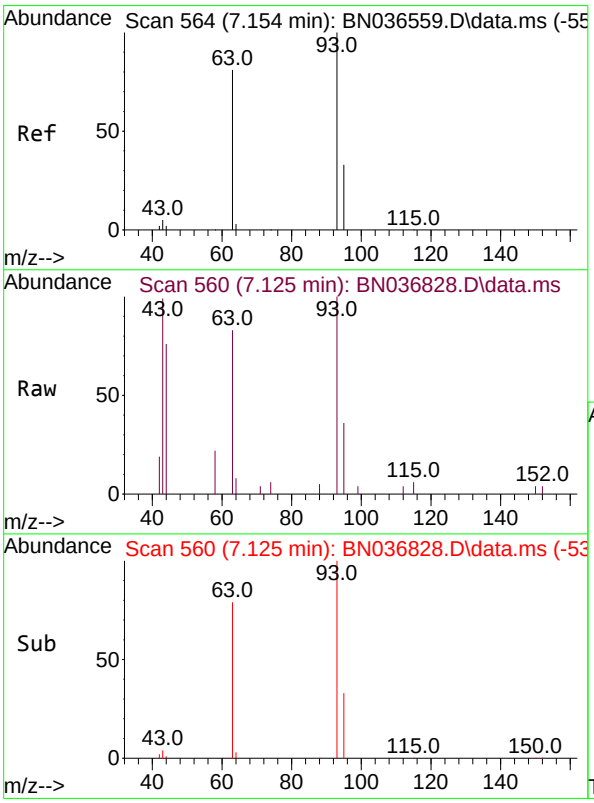
#5
Phenol-d6
Concen: 0.373 ng
RT: 6.872 min Scan# 5
Delta R.T. -0.029 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion: 99 Resp: 2150

Ion	Ratio	Lower	Upper
99	100		
42	38.4	26.5	39.7
71	44.1	34.1	51.1

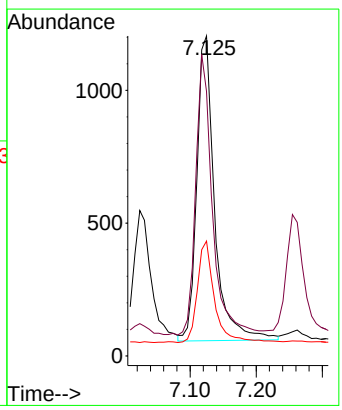


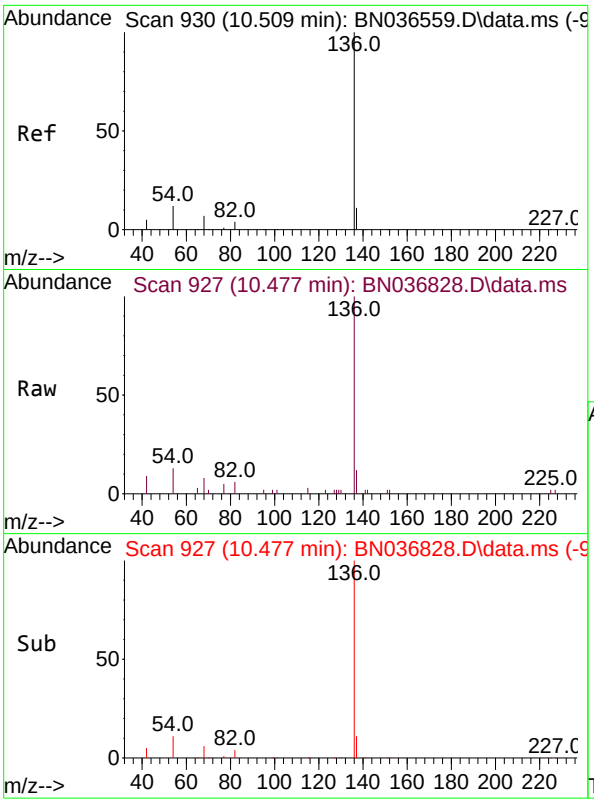


#6
bis(2-Chloroethyl)ether
Concen: 0.362 ng
RT: 7.125 min Scan# 560
Delta R.T. -0.029 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion: 93 Resp: 2154

Ion	Ratio	Lower	Upper
93	100		
63	85.6	67.7	101.5
95	31.9	25.6	38.4



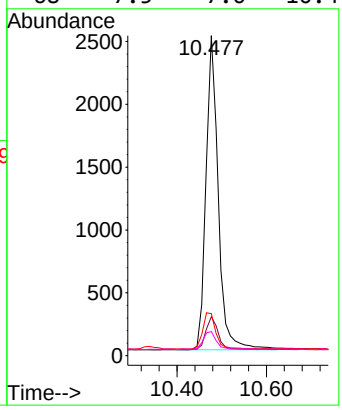


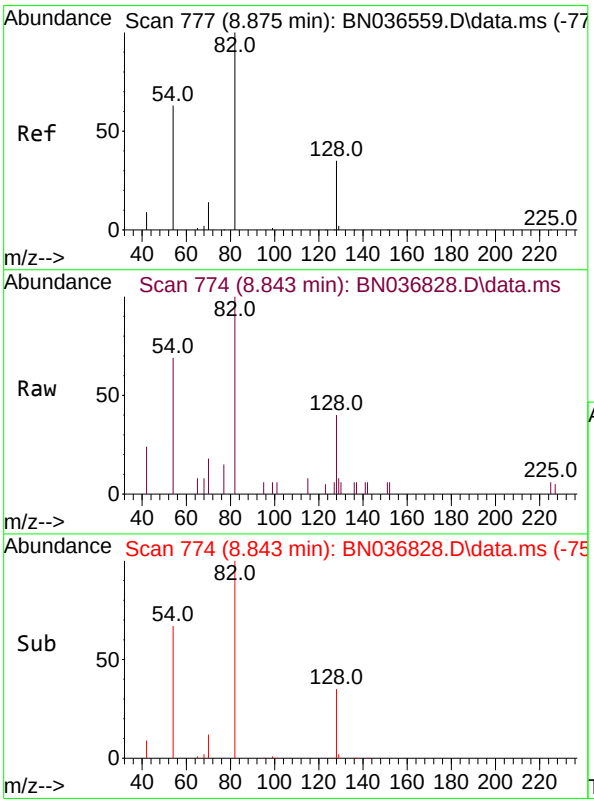
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 9
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:136 Resp: 4746

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.3	15.5
54	13.2	11.5	17.3
68	7.5	7.0	10.4

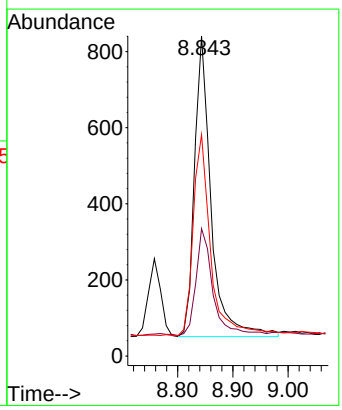


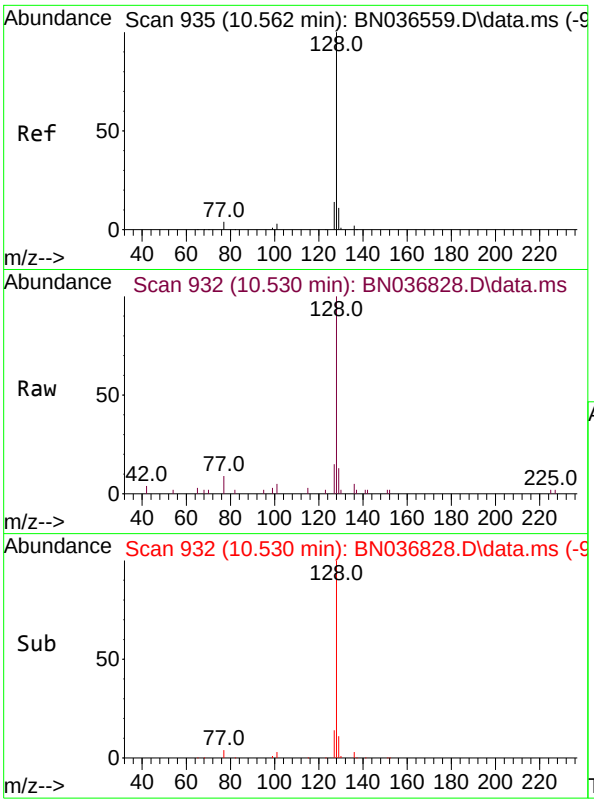


#8
Nitrobenzene-d5
Concen: 0.321 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion: 82 Resp: 1657

Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.6	45.8
54	69.2	52.2	78.4



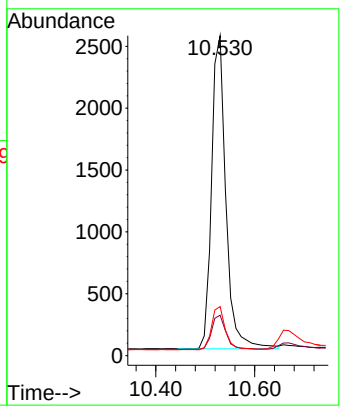


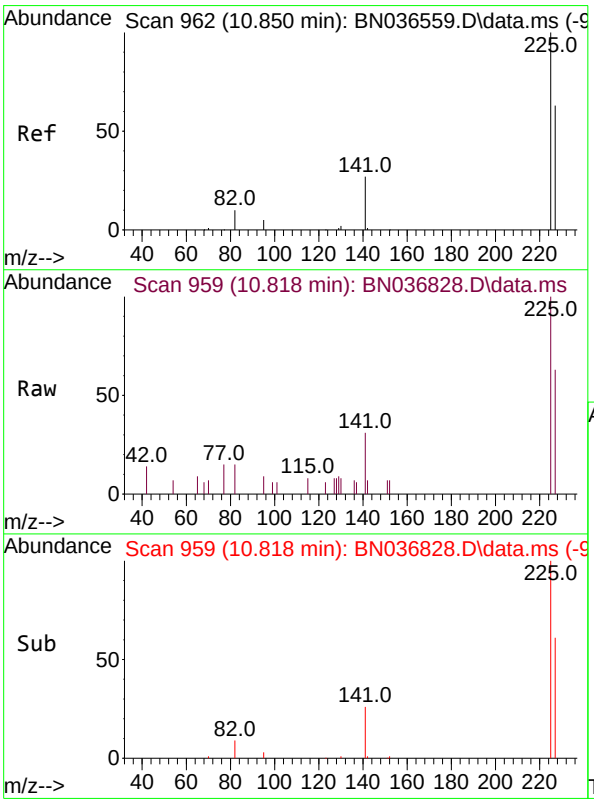
#9
Naphthalene
Concen: 0.365 ng
RT: 10.530 min Scan# 9
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:128 Resp: 5090

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.8	14.6
127	15.3	11.8	17.8

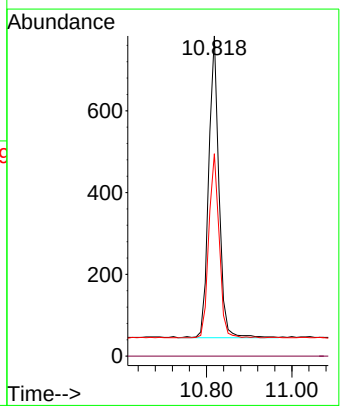


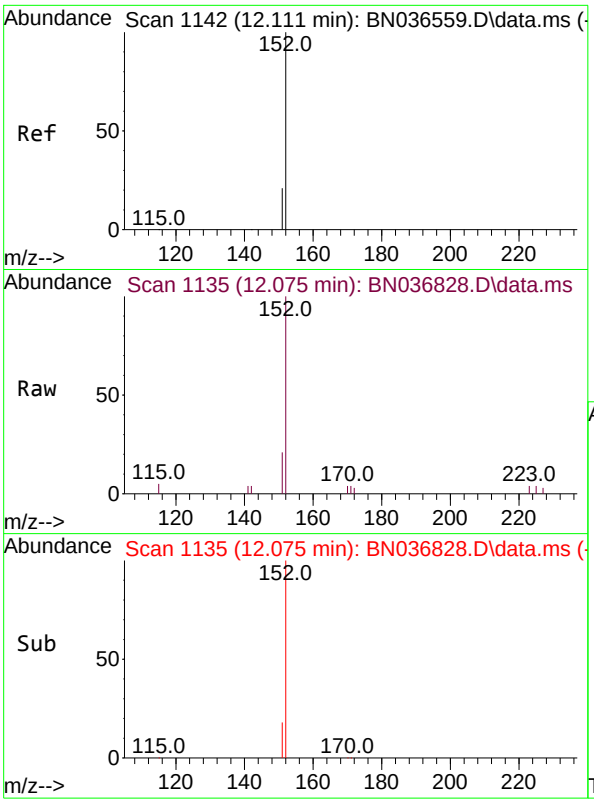


#10
Hexachlorobutadiene
Concen: 0.374 ng
RT: 10.818 min Scan# 959
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:225 Resp: 1229

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.5	51.8	77.8



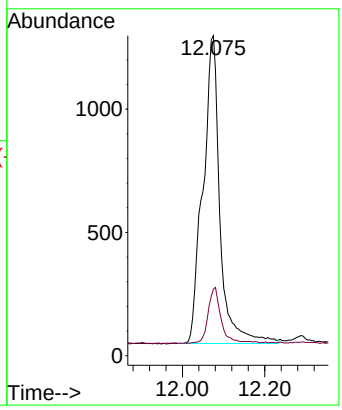


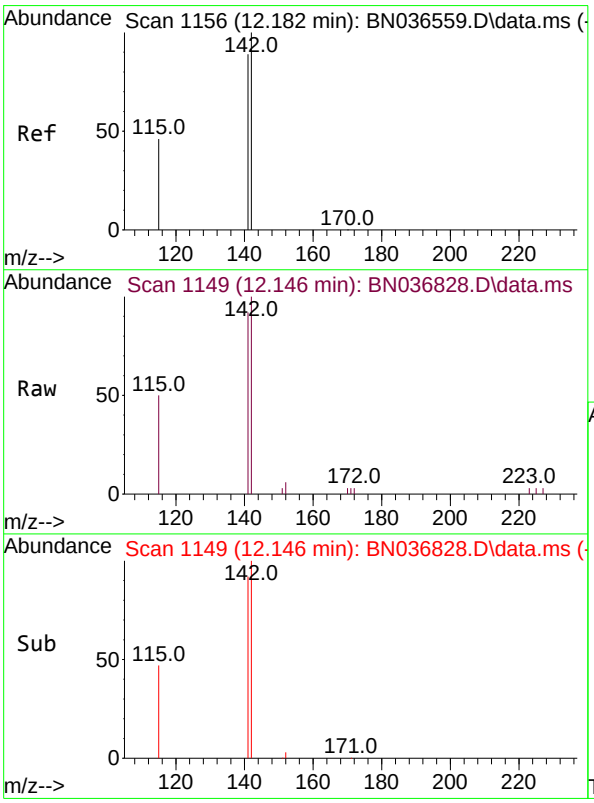
#11
2-Methylnaphthalene-d10
Concen: 0.509 ng
RT: 12.075 min Scan# 11
Delta R.T. -0.035 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:152 Resp: 3594

Ion	Ratio	Lower	Upper
152	100		
151	13.8	17.0	25.6#

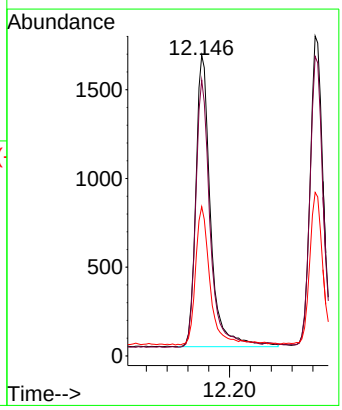


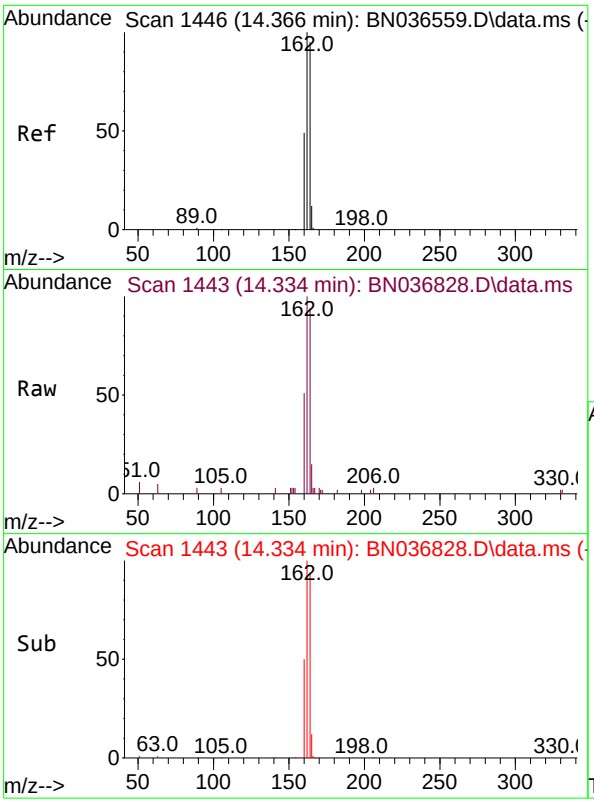


#12
2-Methylnaphthalene
Concen: 0.364 ng
RT: 12.146 min Scan# 1149
Delta R.T. -0.035 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:142 Resp: 3230

Ion	Ratio	Lower	Upper
142	100		
141	91.8	71.7	107.5
115	49.6	38.3	57.5



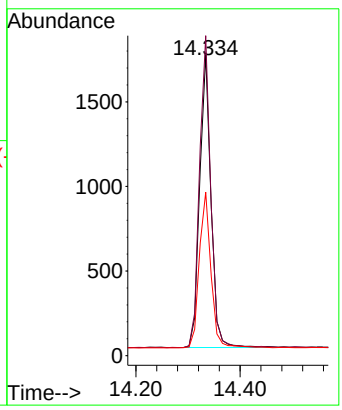


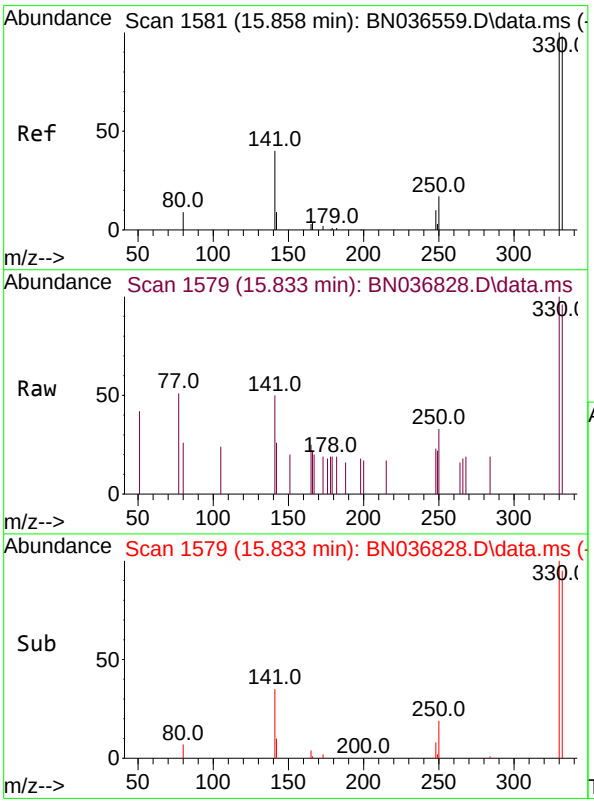
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:164 Resp: 2613

Ion	Ratio	Lower	Upper
164	100		
162	106.4	84.2	126.2
160	54.3	42.2	63.2

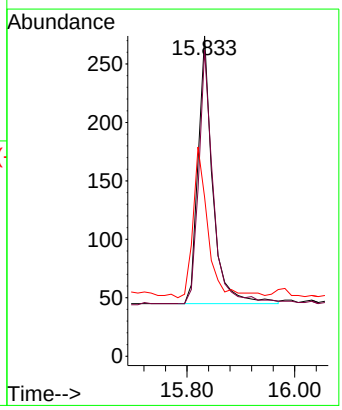


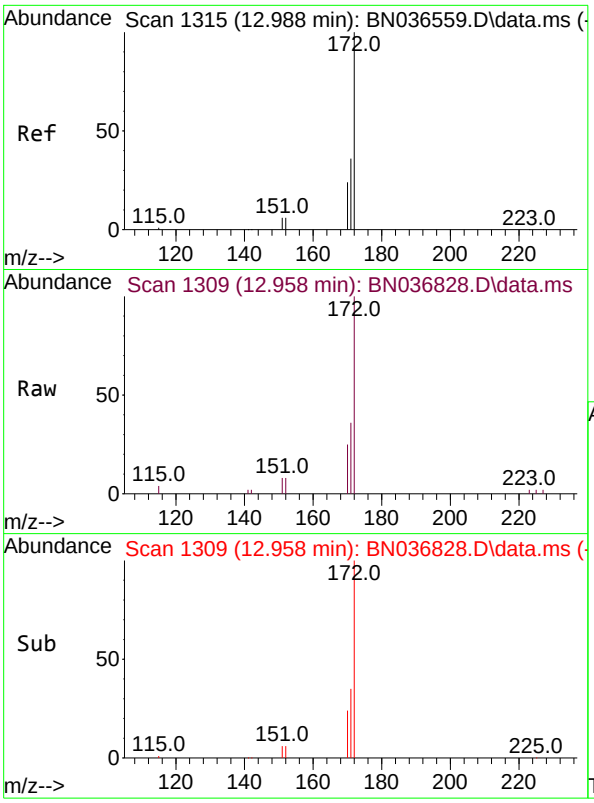


#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.025 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:330 Resp: 431

Ion	Ratio	Lower	Upper
330	100		
332	94.0	75.2	112.8
141	58.7	43.4	65.2



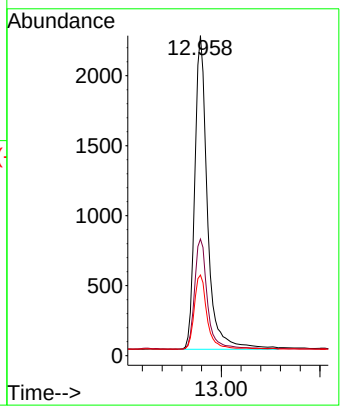


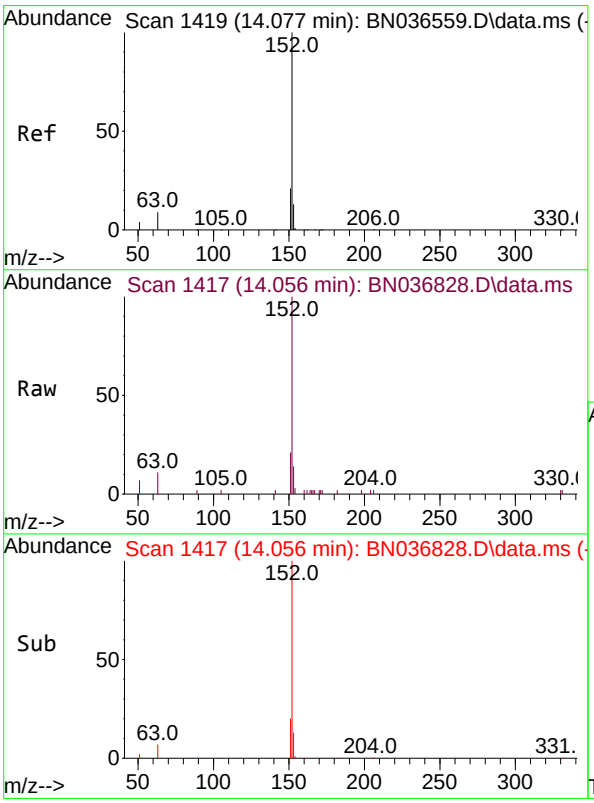
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.958 min Scan# 1
Delta R.T. -0.030 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:172 Resp: 5388

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.5	44.3
170	25.2	20.2	30.4

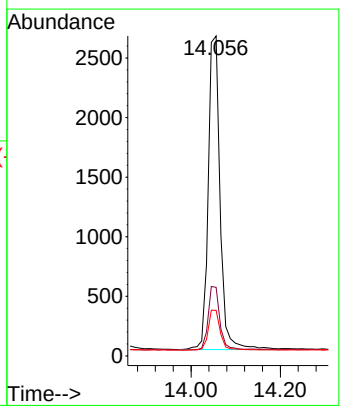


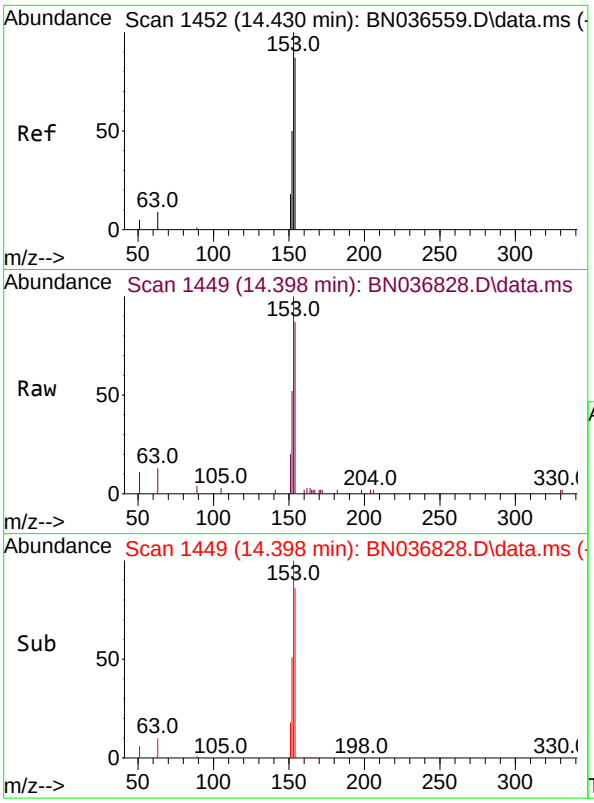


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.021 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:152 Resp: 4832

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.1	10.6	15.8



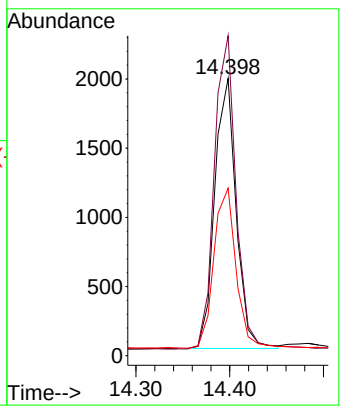


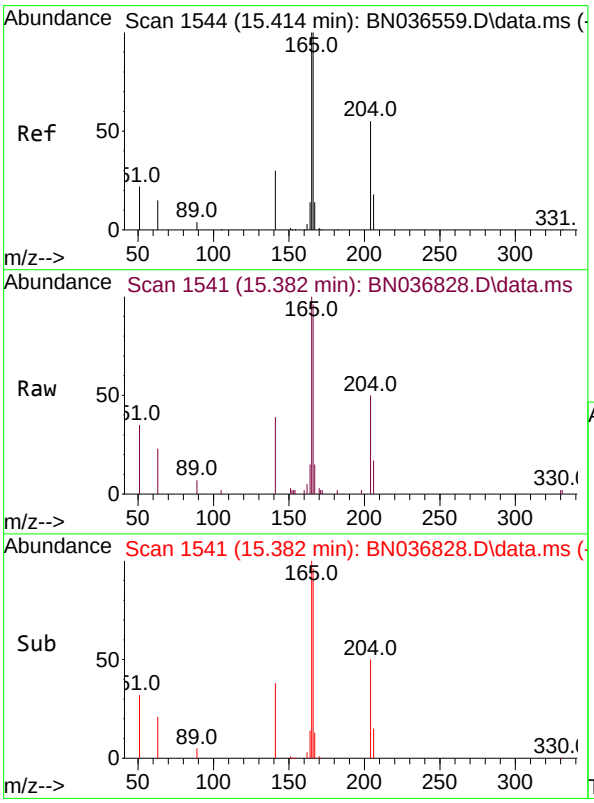
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:154 Resp: 3102

Ion	Ratio	Lower	Upper
154	100		
153	118.6	94.1	141.1
152	62.0	49.8	74.6

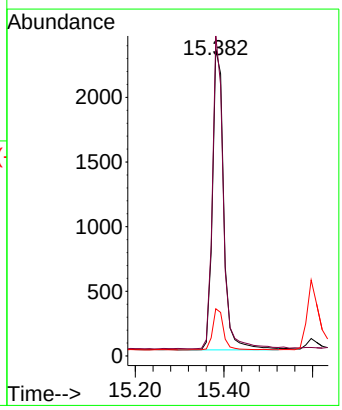


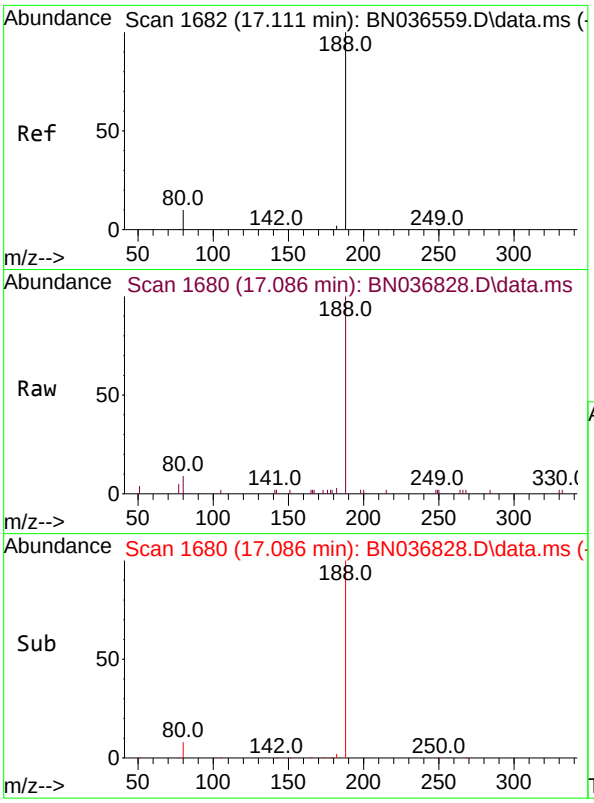


#18
Fluorene
Concen: 0.380 ng
RT: 15.382 min Scan# 1541
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:166 Resp: 4152

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	13.2	10.6	15.8



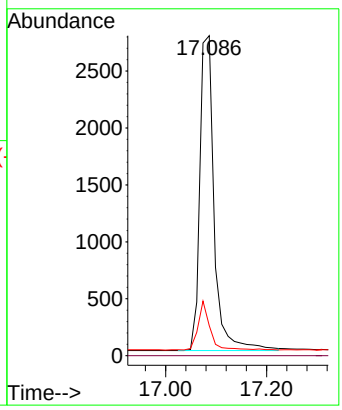


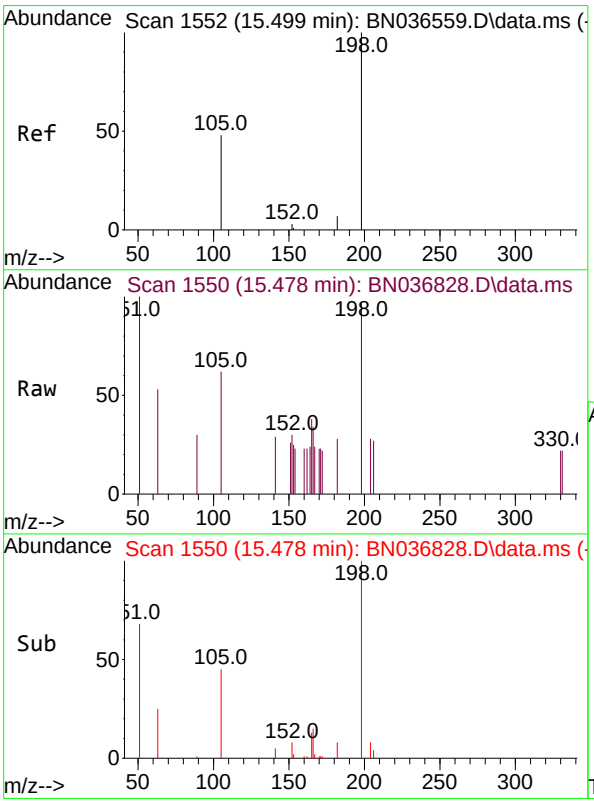
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:188 Resp: 5480

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	8.8	13.2

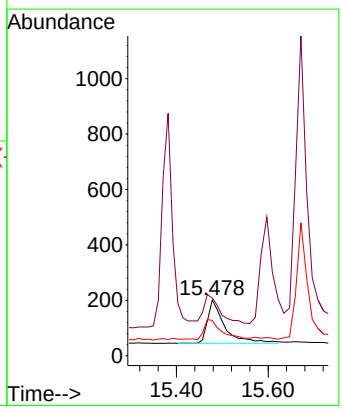


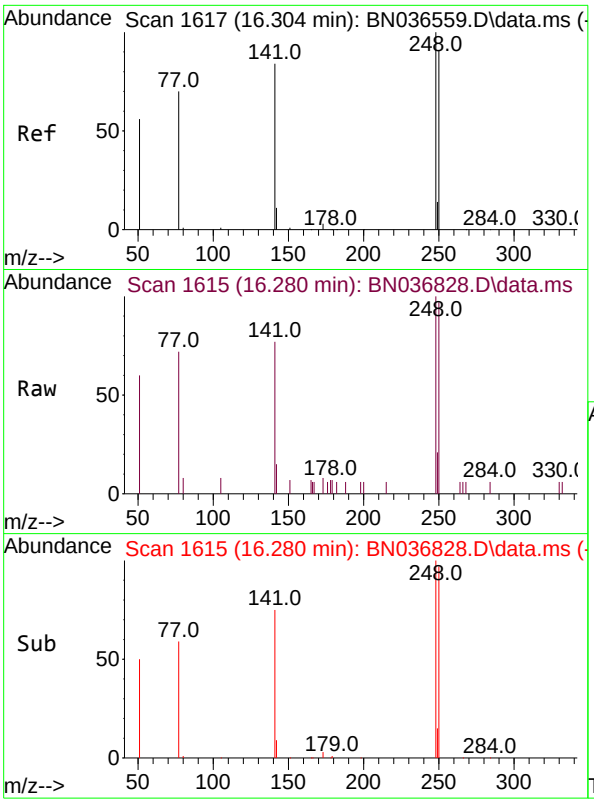


#20
4,6-Dinitro-2-methylphenol
Concen: 0.449 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.021 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:198 Resp: 425

Ion	Ratio	Lower	Upper
198	100		
51	103.5	107.9	161.9#
105	63.7	56.2	84.2



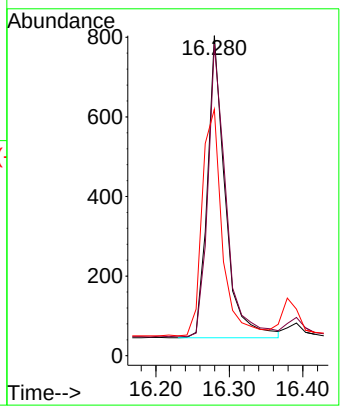


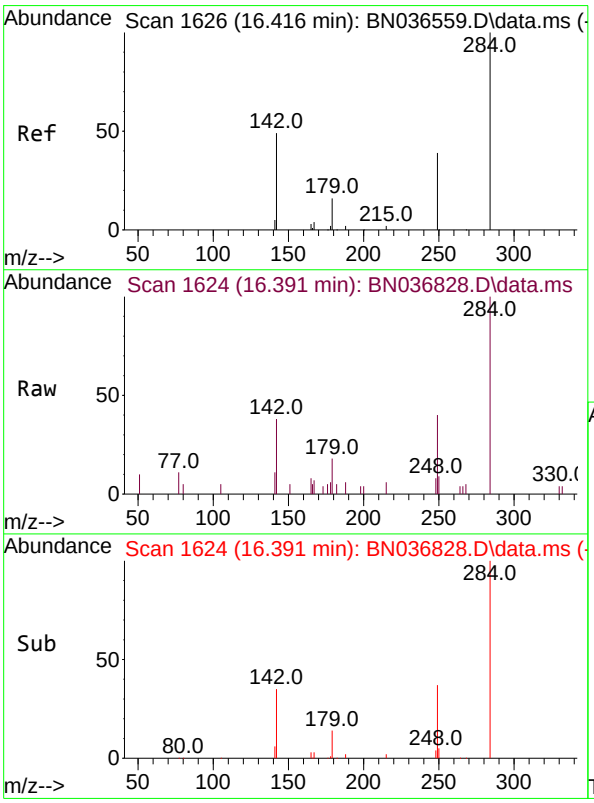
#21
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.280 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:248 Resp: 1280

Ion	Ratio	Lower	Upper
248	100		
250	97.4	73.0	109.6
141	77.0	68.6	103.0

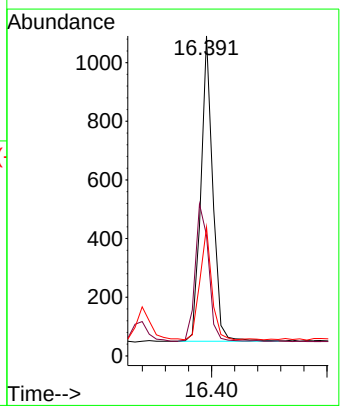


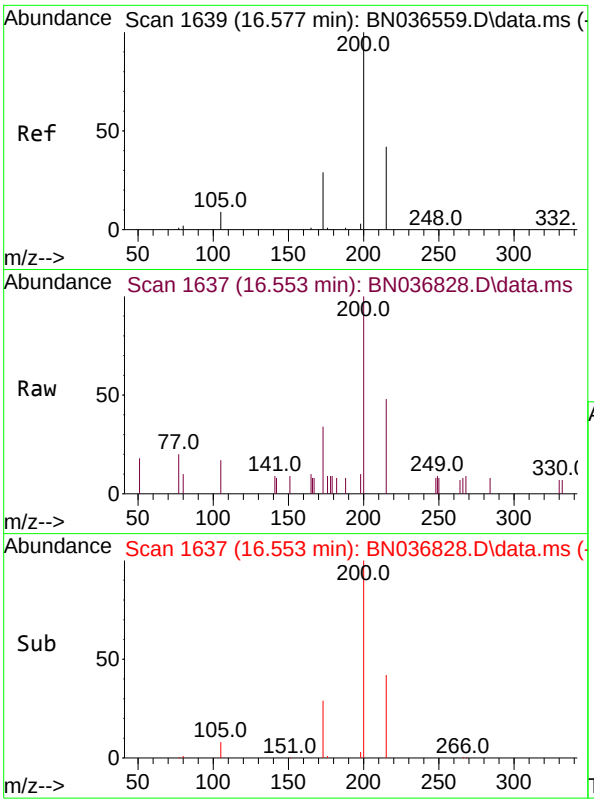


#22
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:284 Resp: 1493

Ion	Ratio	Lower	Upper
284	100		
142	51.0	37.0	55.4
249	36.4	28.1	42.1



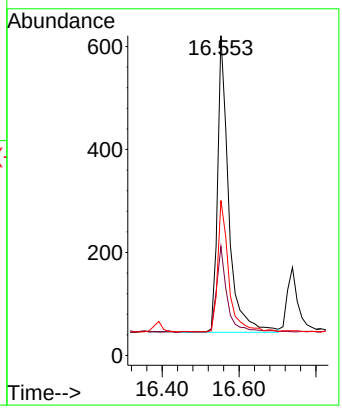


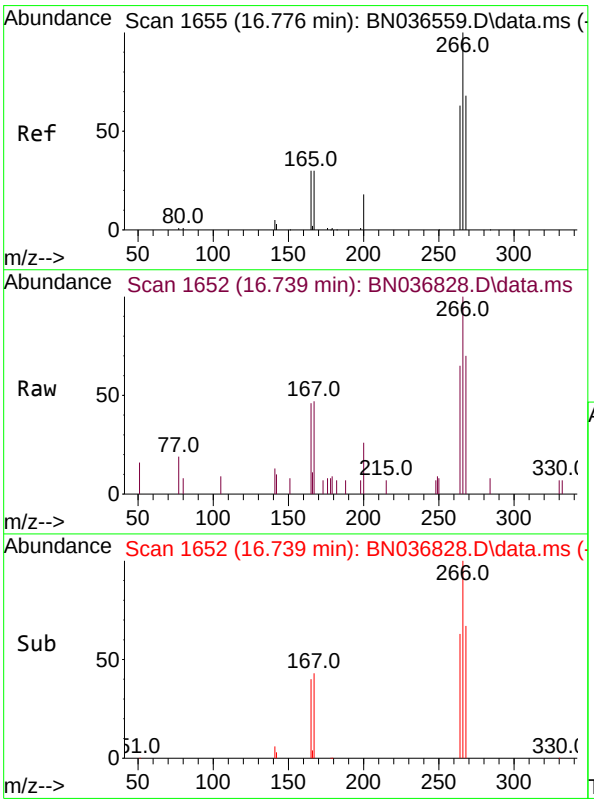
#23
Atrazine
Concen: 0.420 ng
RT: 16.553 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:200 Resp: 1157

Ion	Ratio	Lower	Upper
200	100		
173	34.1	27.3	40.9
215	48.5	36.8	55.2

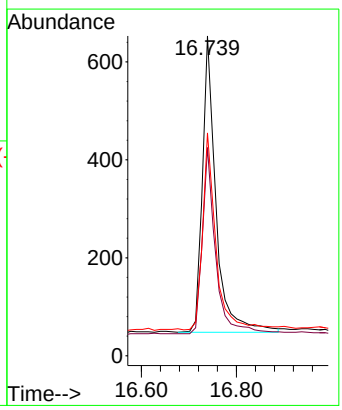


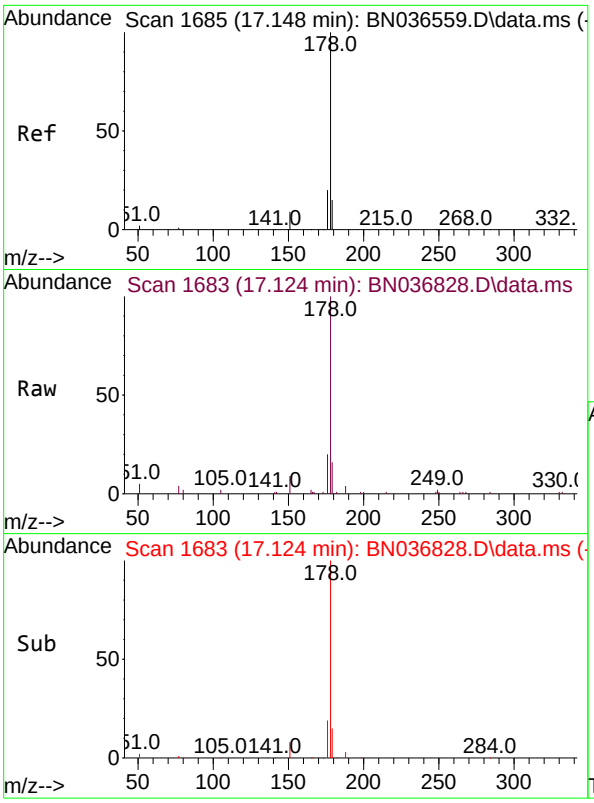


#24
Pentachlorophenol
Concen: 0.640 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.037 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:266 Resp: 1209

Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.6	74.4
268	65.1	50.9	76.3



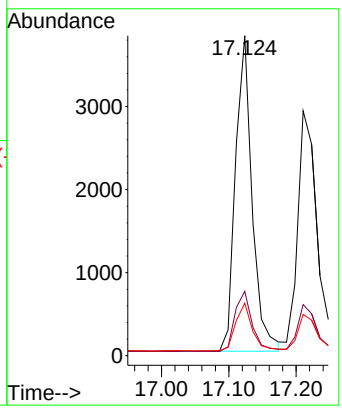


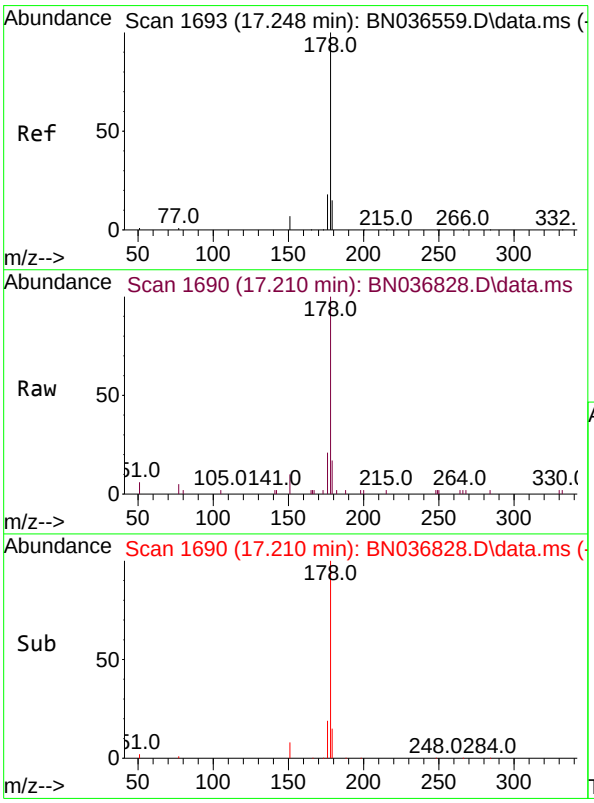
#25
Phenanthrene
Concen: 0.398 ng
RT: 17.124 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:178 Resp: 6546

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.2	12.2	18.4

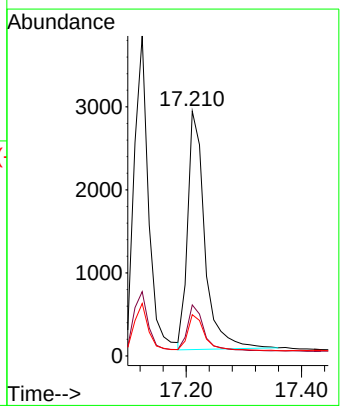


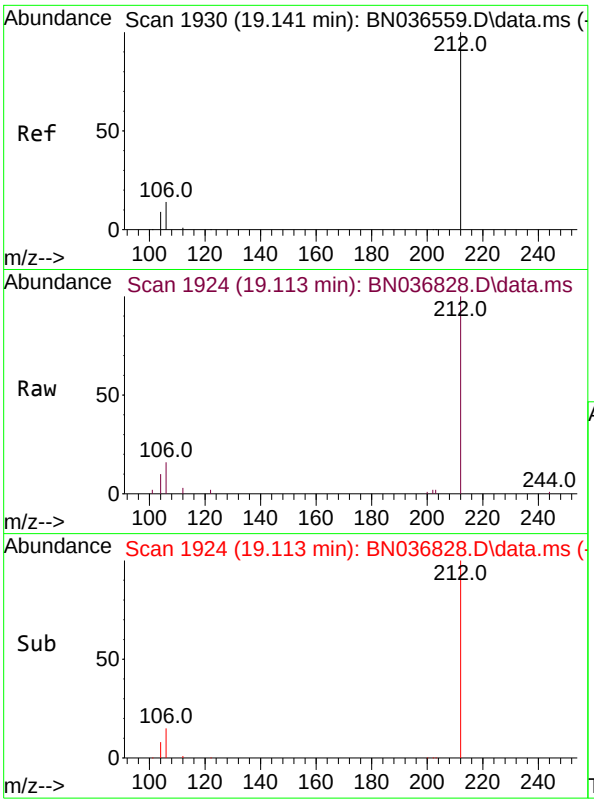


#26
Anthracene
Concen: 0.400 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.037 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:178 Resp: 5931

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.4	12.6	18.8



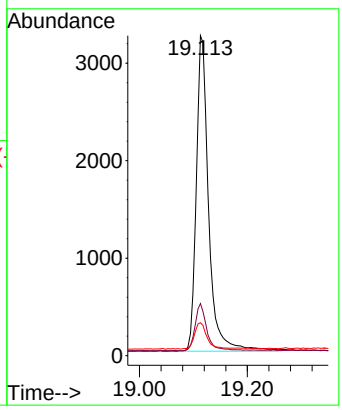


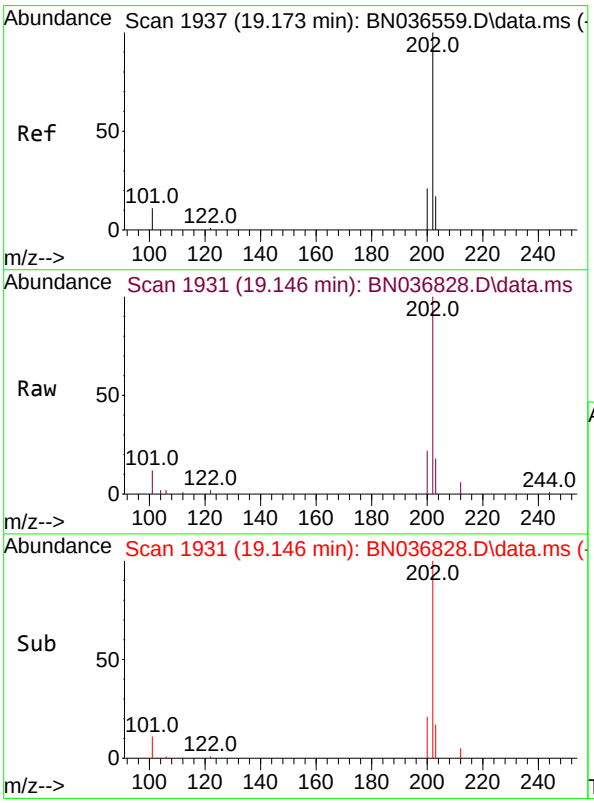
#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.113 min Scan# 1
Delta R.T. -0.028 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:212 Resp: 5132

Ion	Ratio	Lower	Upper
212	100		
106	14.3	11.8	17.6
104	8.6	7.3	10.9

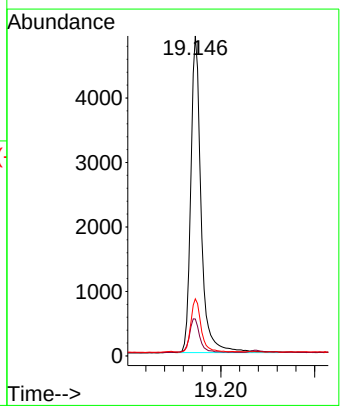


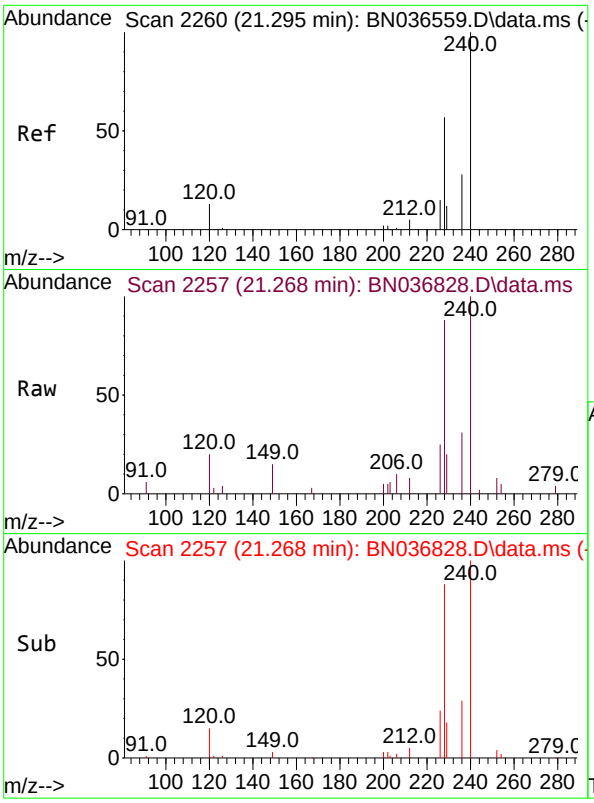


#28
Fluoranthene
Concen: 0.407 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.028 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:202 Resp: 7512

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.4	14.0
203	16.7	13.5	20.3



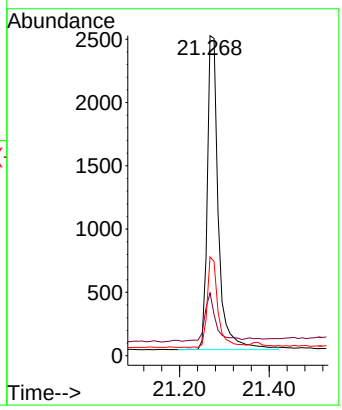


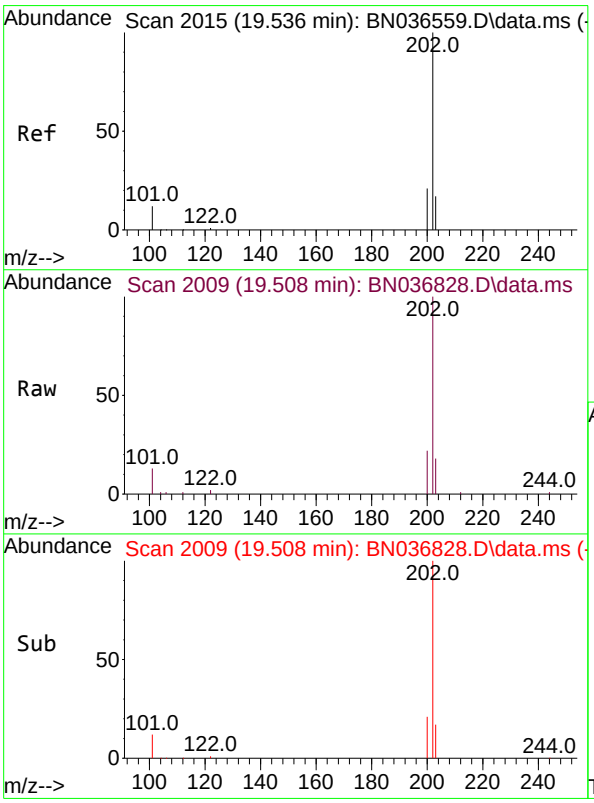
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.027 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:240 Resp: 4282

Ion	Ratio	Lower	Upper
240	100		
120	19.6	14.6	22.0
236	30.9	24.1	36.1

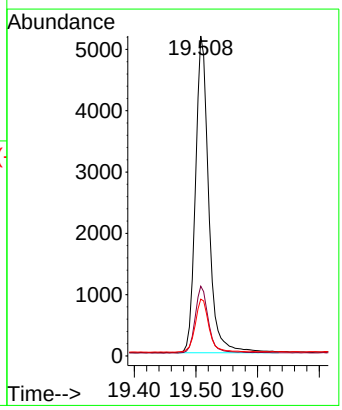


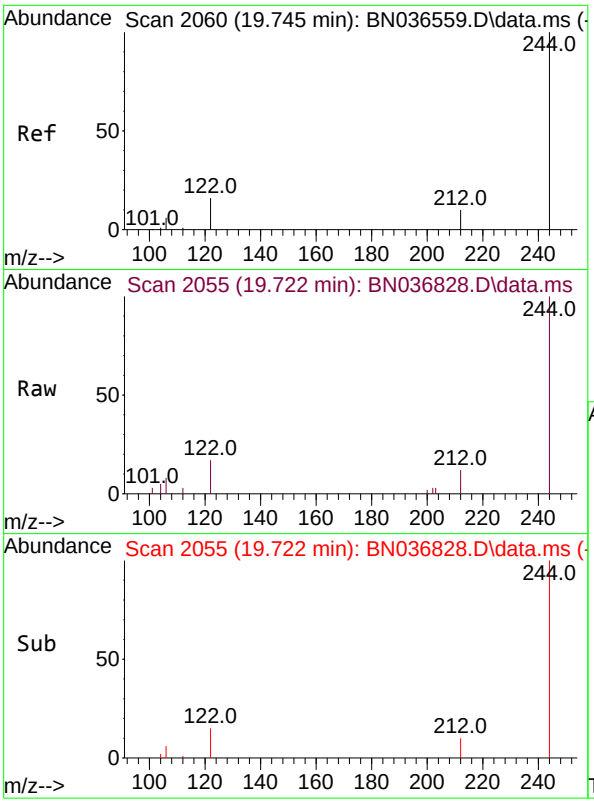


#30
Pyrene
Concen: 0.370 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.028 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:202 Resp: 7742

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.2	14.1	21.1



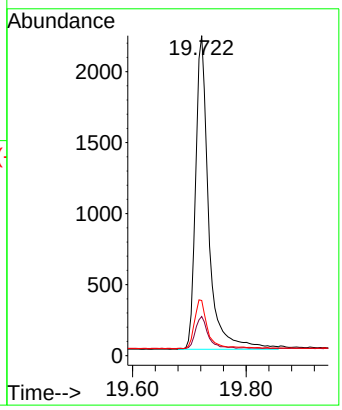


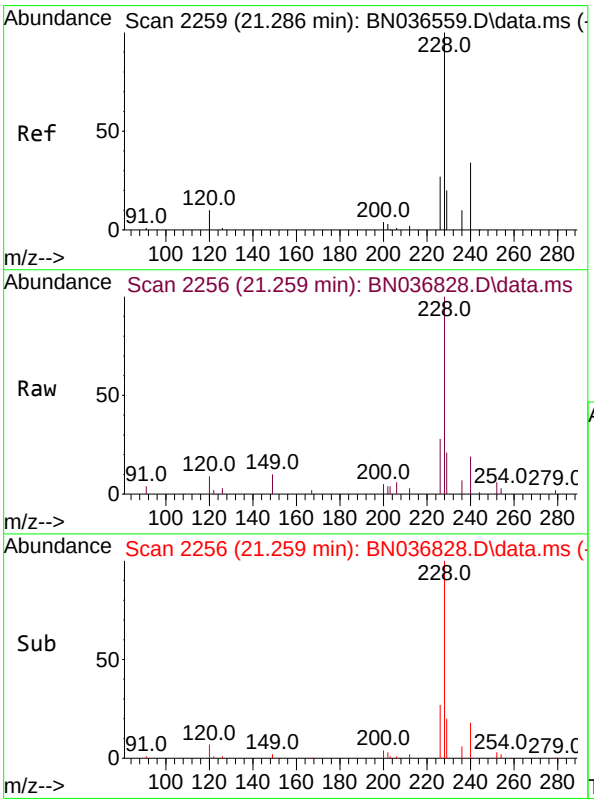
#31
Terphenyl-d14
Concen: 0.344 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.023 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:244 Resp: 3530

Ion	Ratio	Lower	Upper
244	100		
212	12.3	9.6	14.4
122	17.2	13.9	20.9

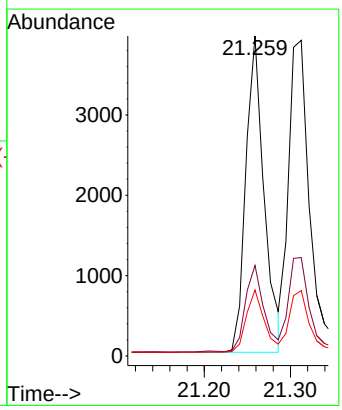


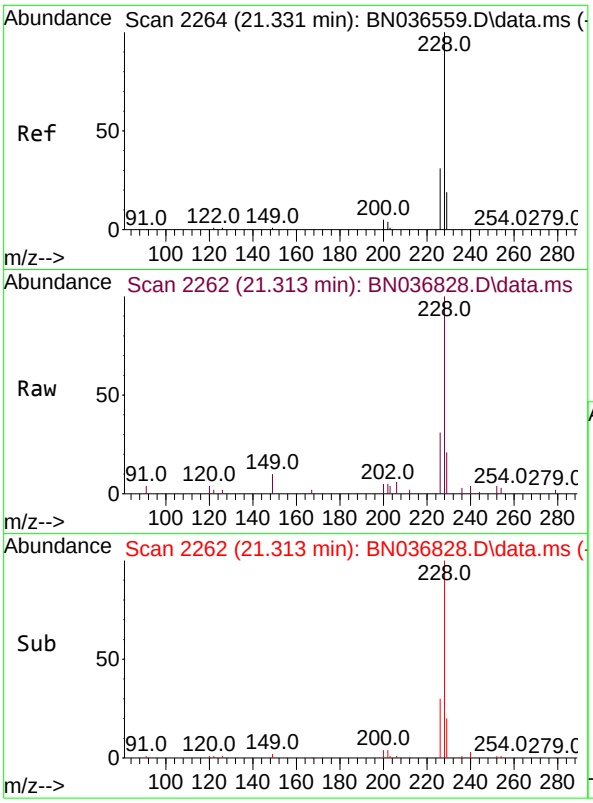


#32
Benzo(a)anthracene
Concen: 0.390 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.027 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:228 Resp: 5808

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	20.6	16.6	25.0



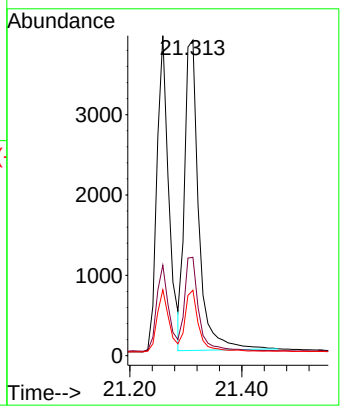


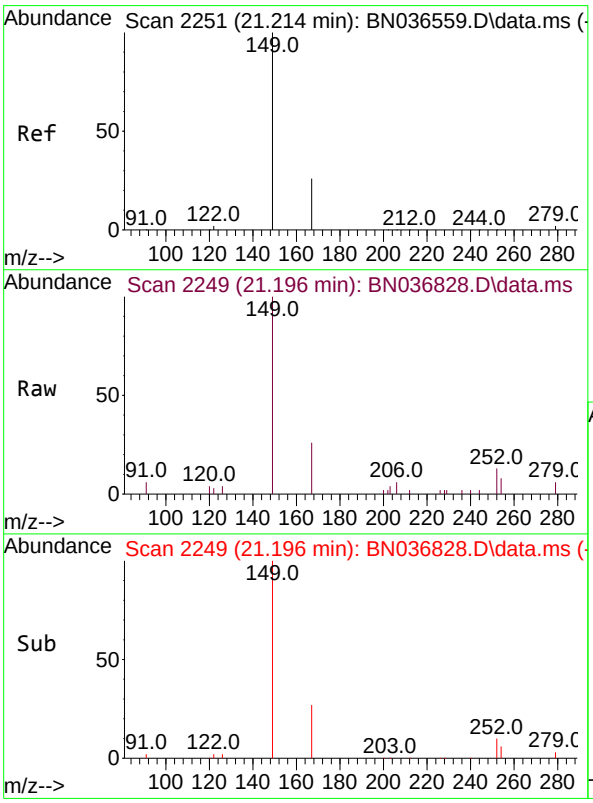
#33
Chrysene
Concen: 0.420 ng
RT: 21.313 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:228 Resp: 6830

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.3	37.9
229	20.7	15.8	23.8

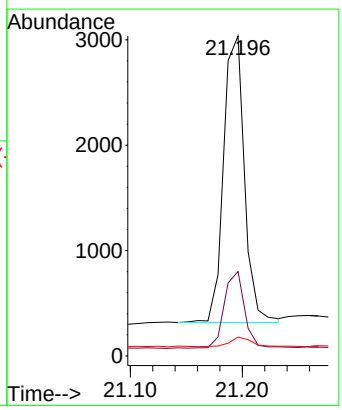


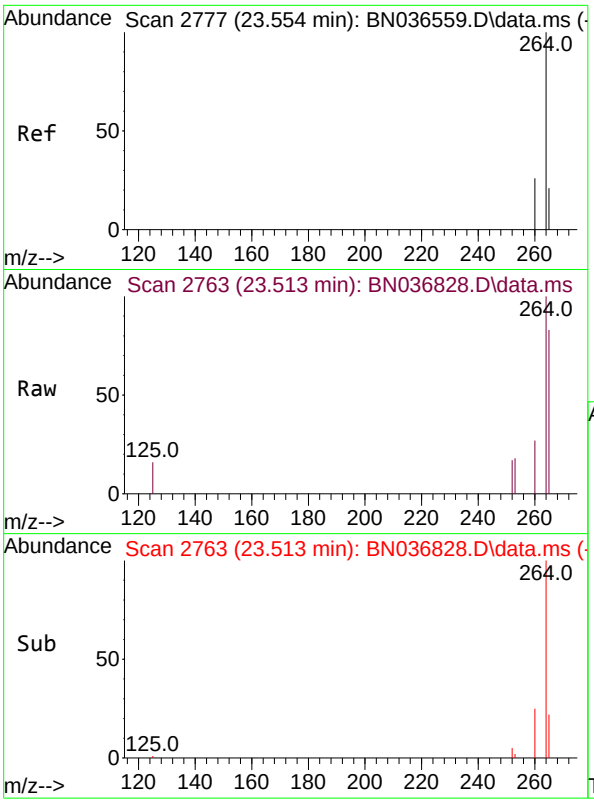


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.333 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.018 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:149 Resp: 3526

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.7	31.1
279	3.7	3.6	5.4



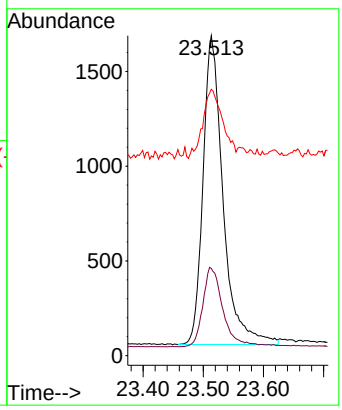


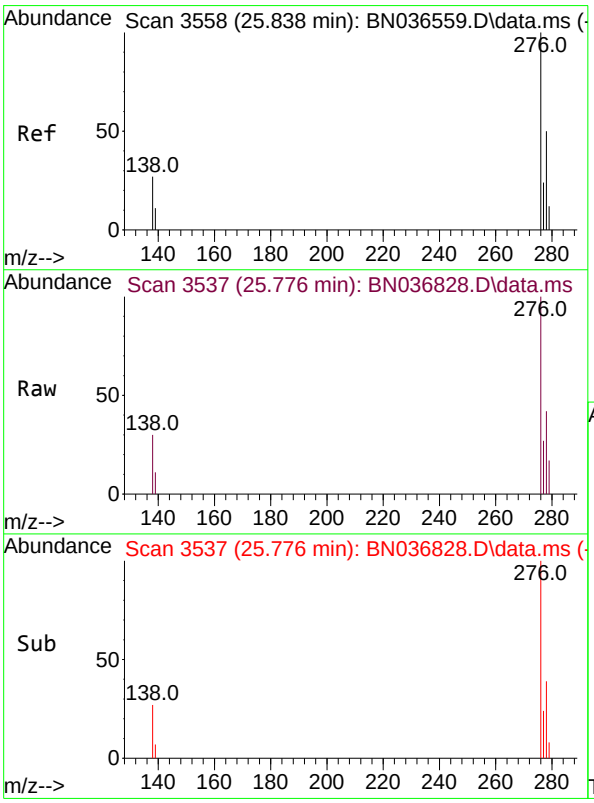
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.513 min Scan# 2
Delta R.T. -0.041 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:264 Resp: 3764

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.6	33.8
265	83.2	88.1	132.1#

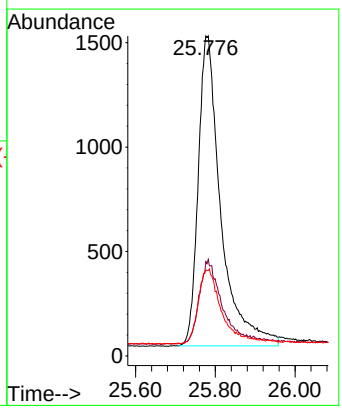


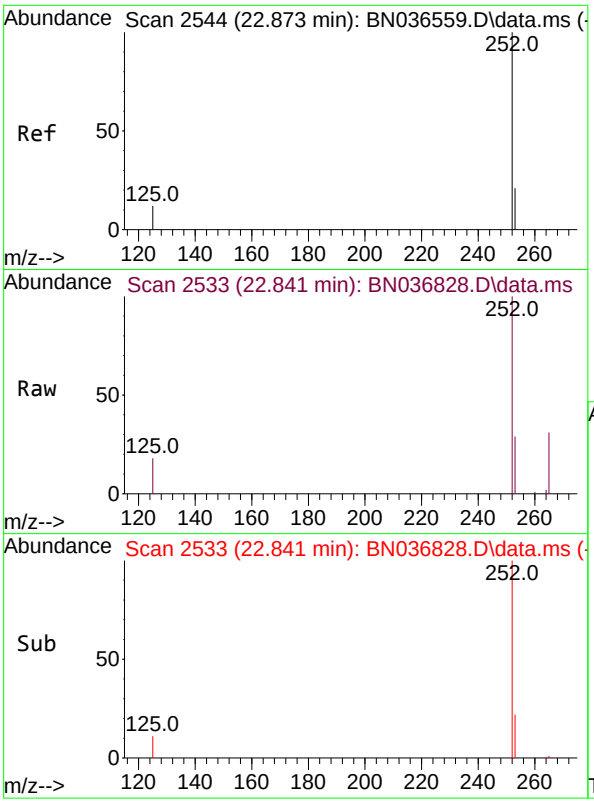


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 25.776 min Scan# 3537
Delta R.T. -0.061 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:276 Resp: 5856

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.4	35.2
277	23.2	20.0	30.0



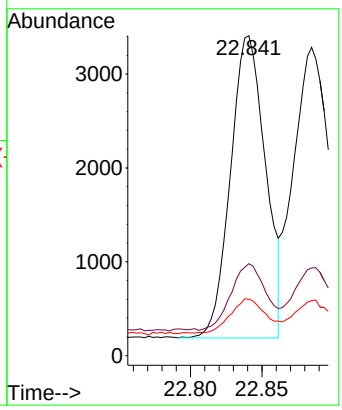


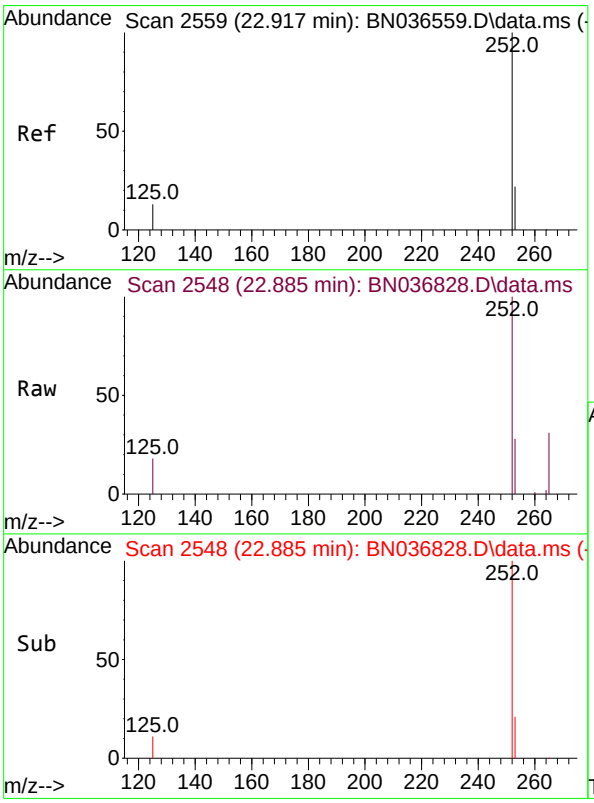
#37
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 22.841 min Scan# 2
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:252 Resp: 5486

Ion	Ratio	Lower	Upper
252	100		
253	28.8	23.9	35.9
125	17.7	17.4	26.2

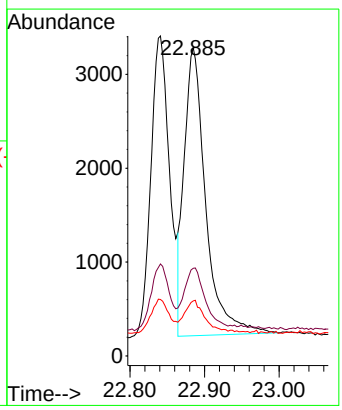


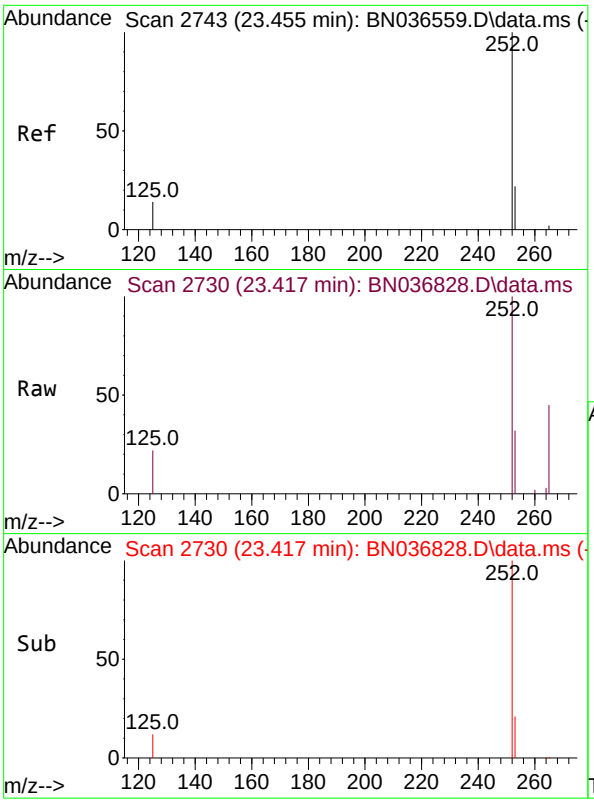


#38
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 22.885 min Scan# 2548
Delta R.T. -0.032 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:252 Resp: 6159

Ion	Ratio	Lower	Upper
252	100		
253	28.5	24.6	36.8
125	17.9	17.8	26.8



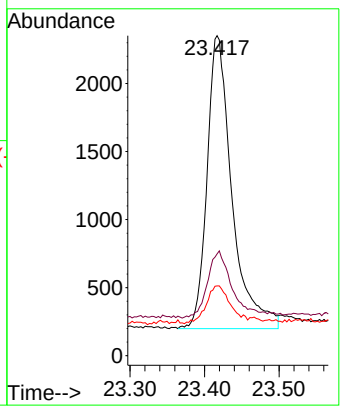


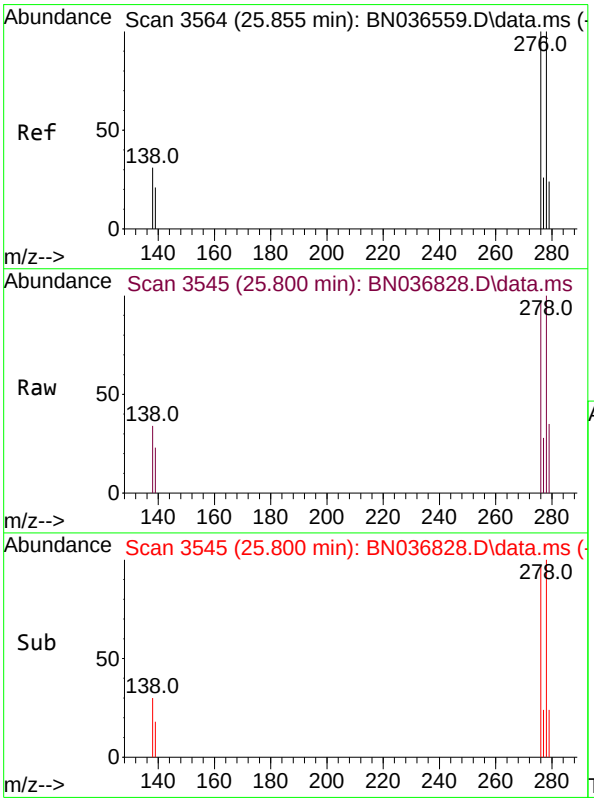
#39
Benzo(a)pyrene
Concen: 0.434 ng
RT: 23.417 min Scan# 2
Delta R.T. -0.038 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:252 Resp: 5008

Ion	Ratio	Lower	Upper
252	100		
253	31.8	27.8	41.8
125	21.8	22.7	34.1#

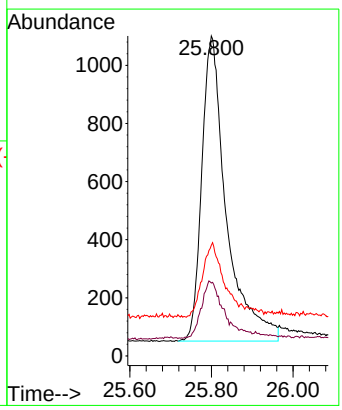


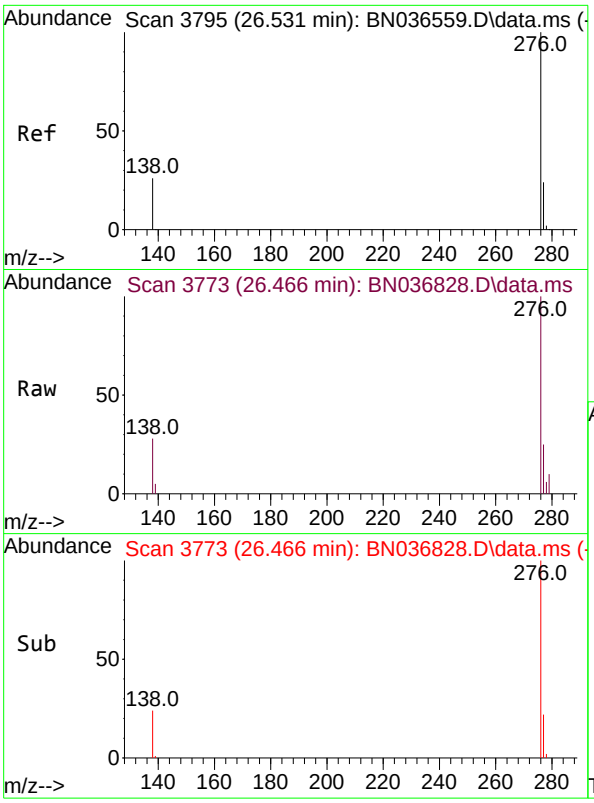


#40
Dibenzo(a,h)anthracene
Concen: 0.416 ng
RT: 25.800 min Scan# 3545
Delta R.T. -0.056 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Tgt Ion:278 Resp: 4402

Ion	Ratio	Lower	Upper
278	100		
139	22.8	20.8	31.2
279	34.6	28.8	43.2





#41
Benzo(g,h,i)perylene
Concen: 0.396 ng
RT: 26.466 min Scan# 3
Delta R.T. -0.064 min
Lab File: BN036828.D
Acq: 03 Apr 2025 18:26

Instrument :
BNA_N
ClientSampleId :
PB167450BS

Tgt Ion:276 Resp: 4787

Ion	Ratio	Lower	Upper
276	100		
277	25.3	22.2	33.4
138	27.8	24.1	36.1