Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041425\
Data File : BN036905.D
Acq On : 14 Apr 2025 17:39
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Quant Time: Apr 14 18:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:58:02 2025
Response via : Initial Calibration

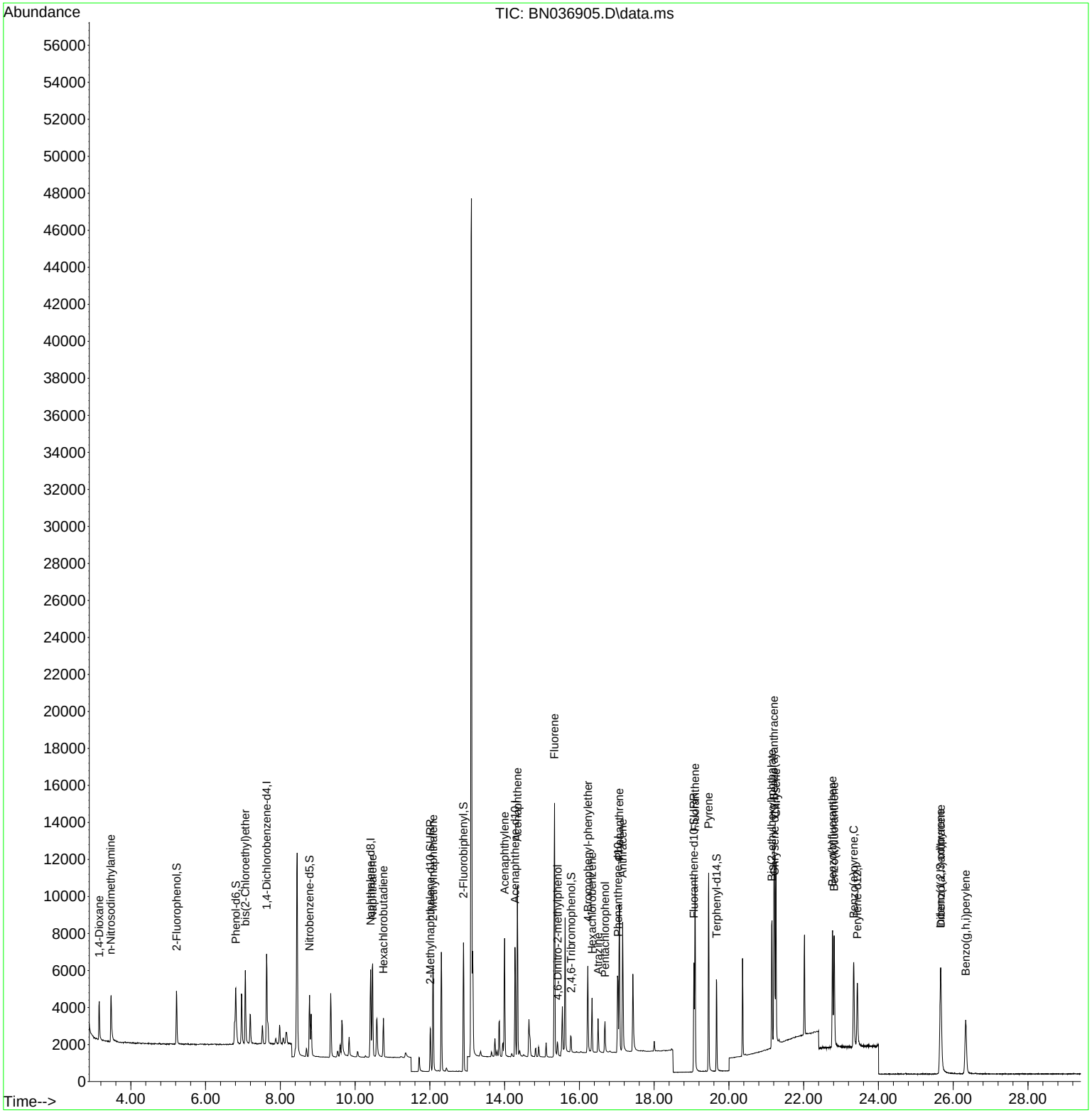
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.633	152	2284	0.400	ng		0.00
7) Naphthalene-d8	10.415	136	5795	0.400	ng		0.00
13) Acenaphthene-d10	14.277	164	3208	0.400	ng		0.00
19) Phenanthrene-d10	17.033	188	6273	0.400	ng		0.00
29) Chrysene-d12	21.224	240	5203	0.400	ng		0.00
35) Perylene-d12	23.436	264	4681	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.228	112	2109	0.391	ng		0.00
5) Phenol-d6	6.809	99	2518	0.372	ng		0.00
8) Nitrobenzene-d5	8.781	82	2553	0.390	ng		0.00
11) 2-Methylnaphthalene-d10	12.011	152	3366	0.399	ng		0.00
14) 2,4,6-Tribromophenol	15.780	330	510	0.331	ng		0.00
15) 2-Fluorobiphenyl	12.899	172	6990	0.451	ng		0.00
27) Fluoranthene-d10	19.063	212	6761	0.407	ng		0.00
31) Terphenyl-d14	19.672	244	5020	0.441	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.155	88	1219	0.467	ng		97
3) n-Nitrosodimethylamine	3.465	42	2281	0.378	ng		91
6) bis(2-Chloroethyl)ether	7.062	93	2742	0.418	ng		99
9) Naphthalene	10.468	128	6854	0.407	ng		96
10) Hexachlorobutadiene	10.757	225	1591	0.411	ng	#	98
12) 2-Methylnaphthalene	12.087	142	4031	0.376	ng		96
16) Acenaphthylene	13.999	152	6788	0.446	ng		99
17) Acenaphthene	14.341	154	4084	0.407	ng		99
18) Fluorene	15.336	166	5392	0.407	ng		100
20) 4,6-Dinitro-2-methylph...	15.421	198	621	0.363	ng		97
21) 4-Bromophenyl-phenylether	16.227	248	1688	0.425	ng		98
22) Hexachlorobenzene	16.338	284	1899	0.426	ng		98
23) Atrazine	16.500	200	1508	0.456	ng		99
24) Pentachlorophenol	16.686	266	853	0.358	ng		99
25) Phenanthrene	17.071	178	8446	0.439	ng		99
26) Anthracene	17.157	178	7704	0.445	ng		99
28) Fluoranthene	19.096	202	9368	0.414	ng		99
30) Pyrene	19.458	202	9483	0.405	ng		99
32) Benzo(a)anthracene	21.206	228	8028	0.425	ng		99
33) Chrysene	21.260	228	8745	0.429	ng		100
34) Bis(2-ethylhexyl)phtha...	21.144	149	4585	0.421	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.661	276	7286	0.429	ng		98
37) Benzo(b)fluoranthene	22.772	252	7575	0.418	ng		98
38) Benzo(k)fluoranthene	22.816	252	8145	0.445	ng		97
39) Benzo(a)pyrene	23.339	252	6835	0.453	ng	#	92
40) Dibenzo(a,h)anthracene	25.669	278	5596	0.424	ng		96
41) Benzo(g,h,i)perylene	26.336	276	5939	0.408	ng		97

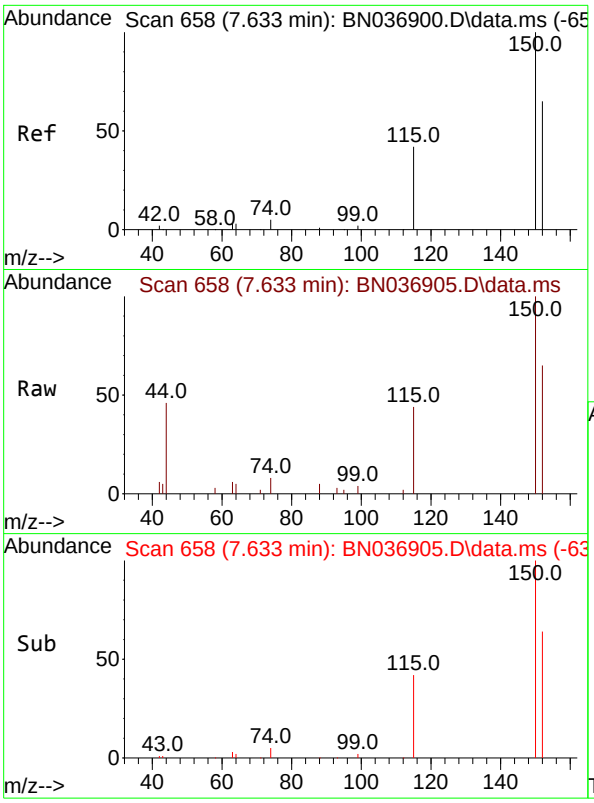
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041425\
Data File : BN036905.D
Acq On : 14 Apr 2025 17:39
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Quant Time: Apr 14 18:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:58:02 2025
Response via : Initial Calibration



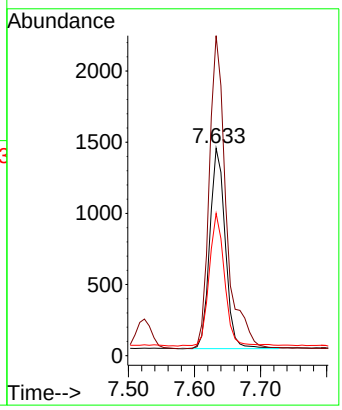


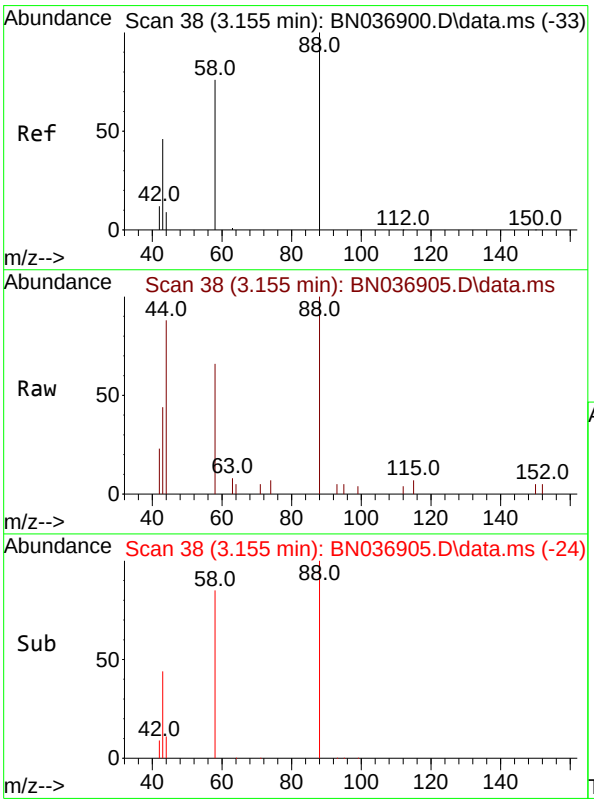
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:152 Resp: 2284

Ion	Ratio	Lower	Upper
152	100		
150	154.3	121.4	182.2
115	68.6	55.4	83.2

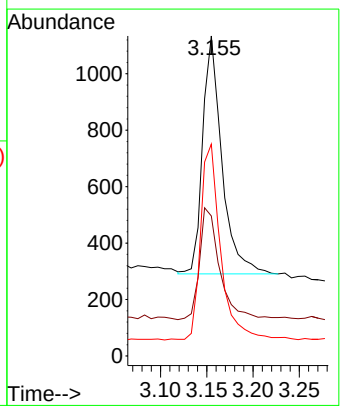


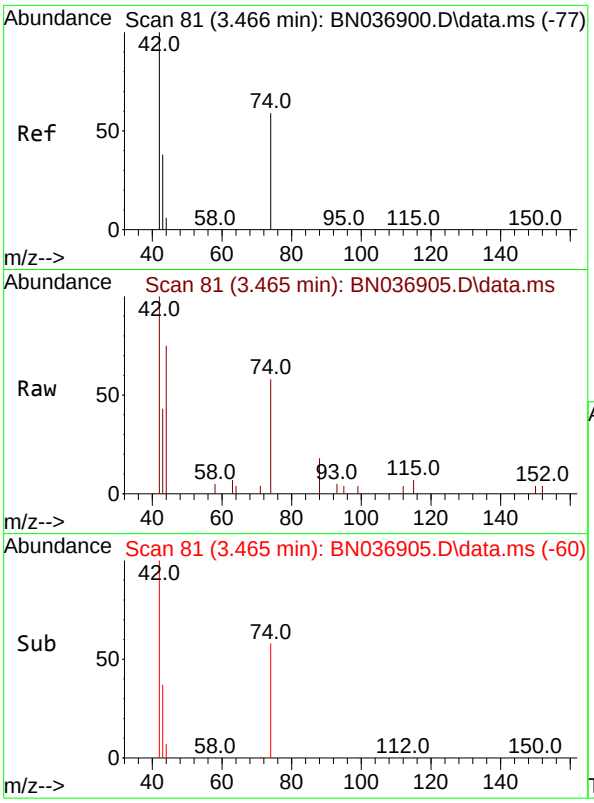


#2
1,4-Dioxane
Concen: 0.467 ng
RT: 3.155 min Scan# 38
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion: 88 Resp: 1219

Ion	Ratio	Lower	Upper
88	100		
43	49.5	44.0	66.0
58	85.4	67.8	101.6



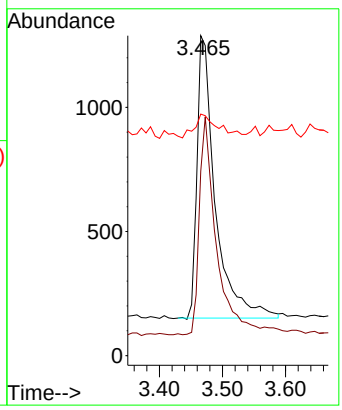


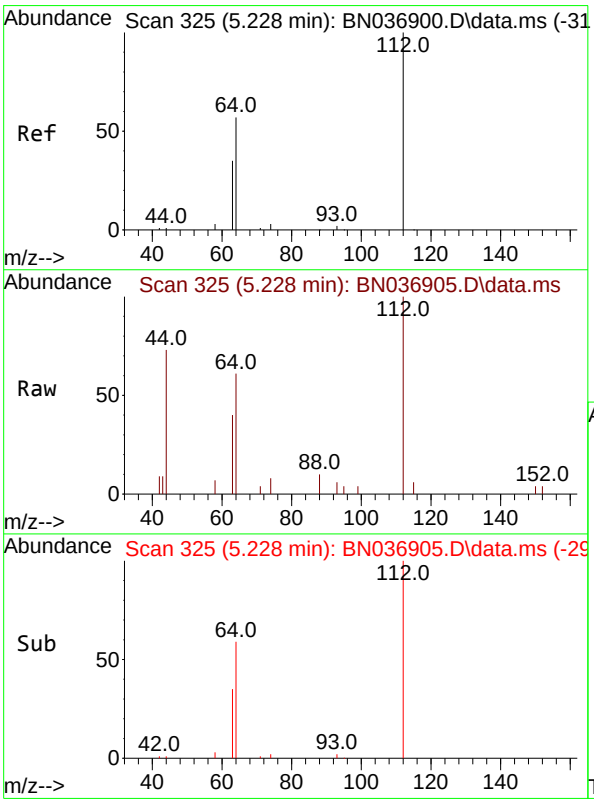
#3
n-Nitrosodimethylamine
Concen: 0.378 ng
RT: 3.465 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion: 42 Resp: 2281

Ion	Ratio	Lower	Upper
42	100		
74	73.1	52.3	78.5
44	11.0	7.4	11.2

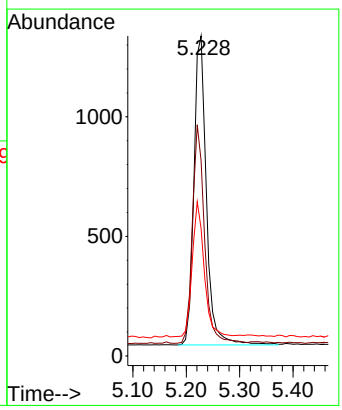


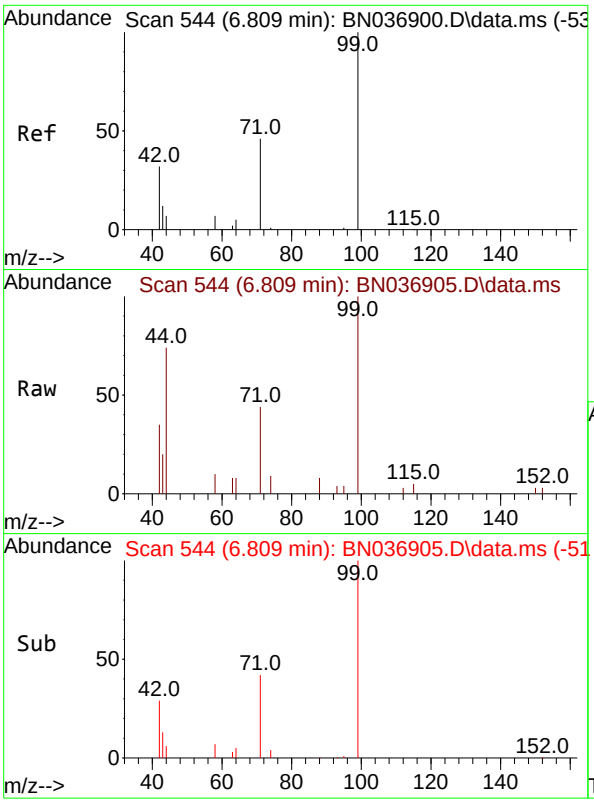


#4
2-Fluorophenol
Concen: 0.391 ng
RT: 5.228 min Scan# 325
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:112 Resp: 2109

Ion	Ratio	Lower	Upper
112	100		
64	68.3	54.4	81.6
63	41.4	35.1	52.7



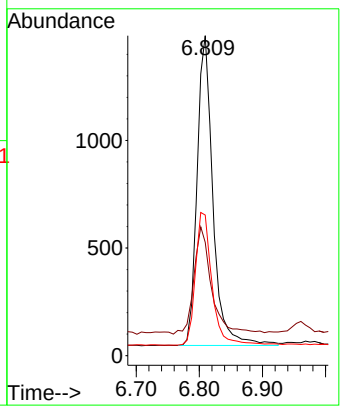


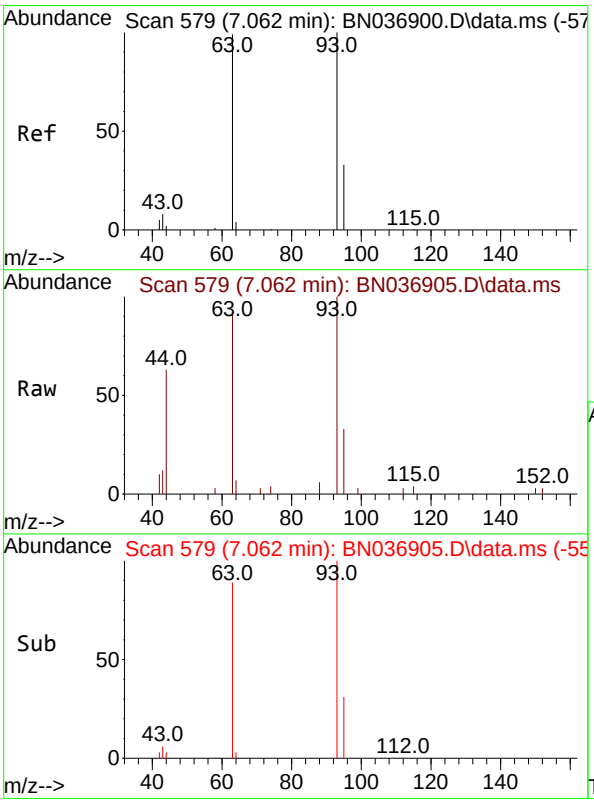
#5
Phenol-d6
Concen: 0.372 ng
RT: 6.809 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion: 99 Resp: 2518

Ion	Ratio	Lower	Upper
99	100		
42	38.5	30.6	45.8
71	44.6	38.0	57.0

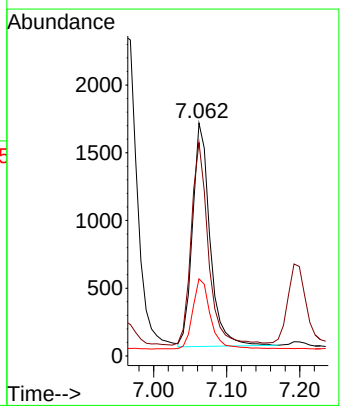


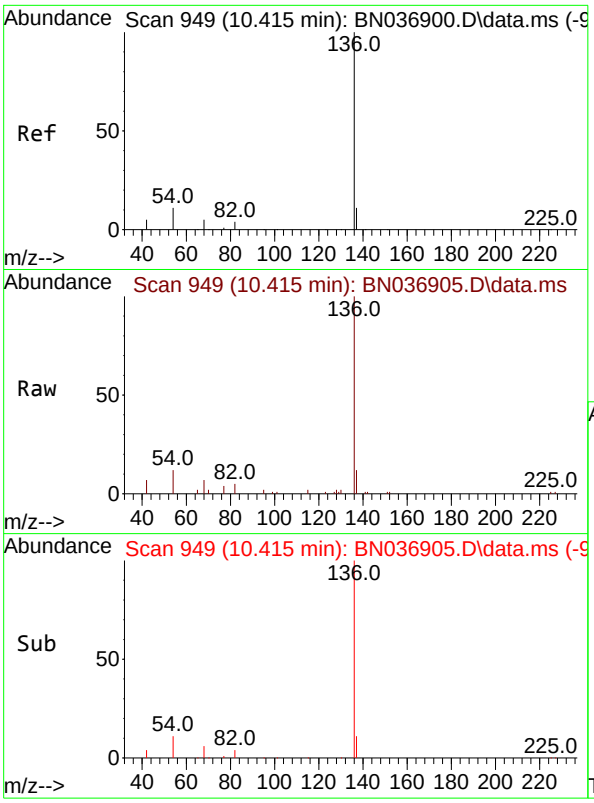


#6
bis(2-Chloroethyl)ether
Concen: 0.418 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion: 93 Resp: 2742

Ion	Ratio	Lower	Upper
93	100		
63	89.2	70.7	106.1
95	32.1	25.2	37.8



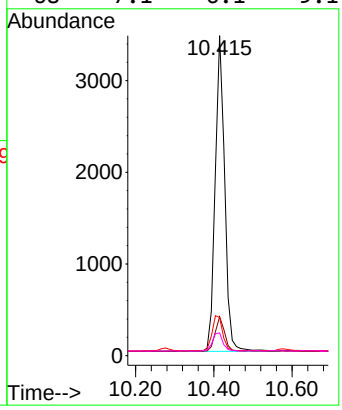


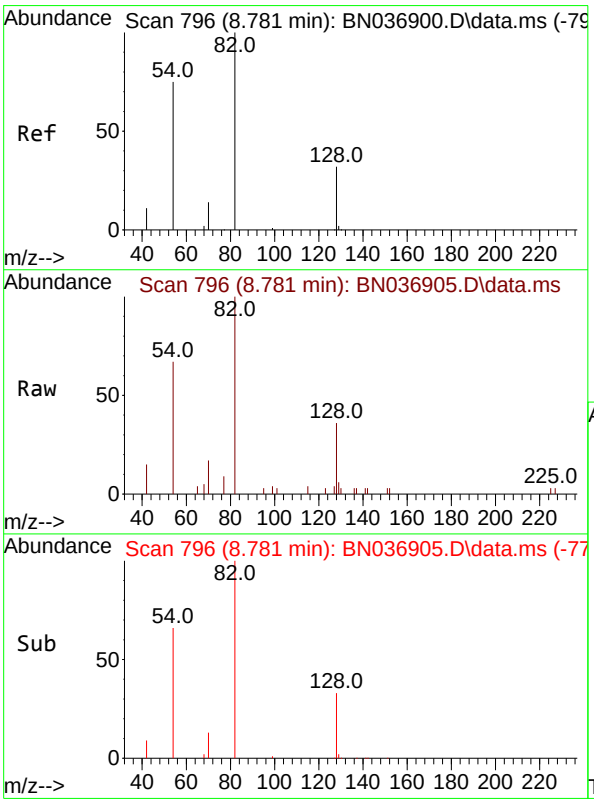
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:136 Resp: 5795

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.6	15.8
54	11.9	10.6	16.0
68	7.1	6.1	9.1

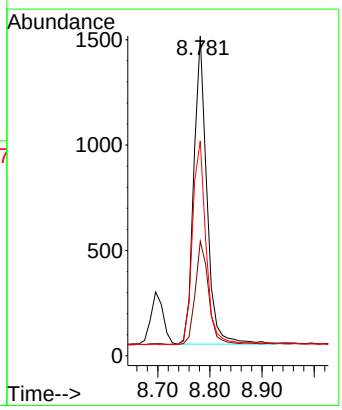


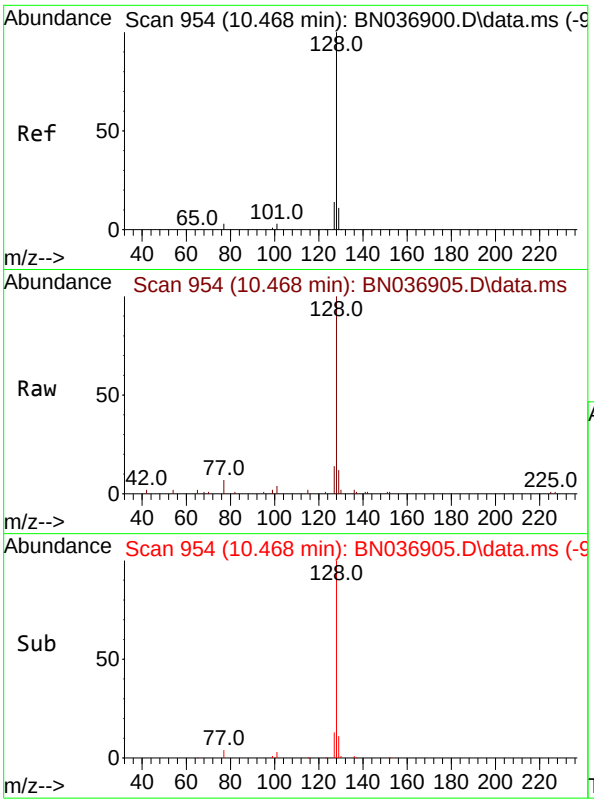


#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion: 82 Resp: 2553

Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.0	43.4
54	67.2	60.8	91.2



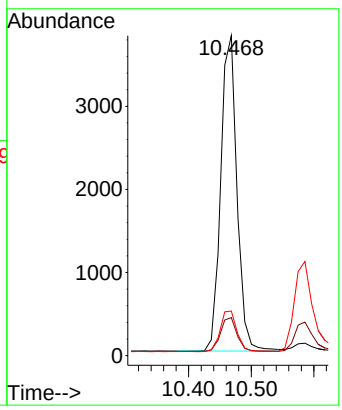


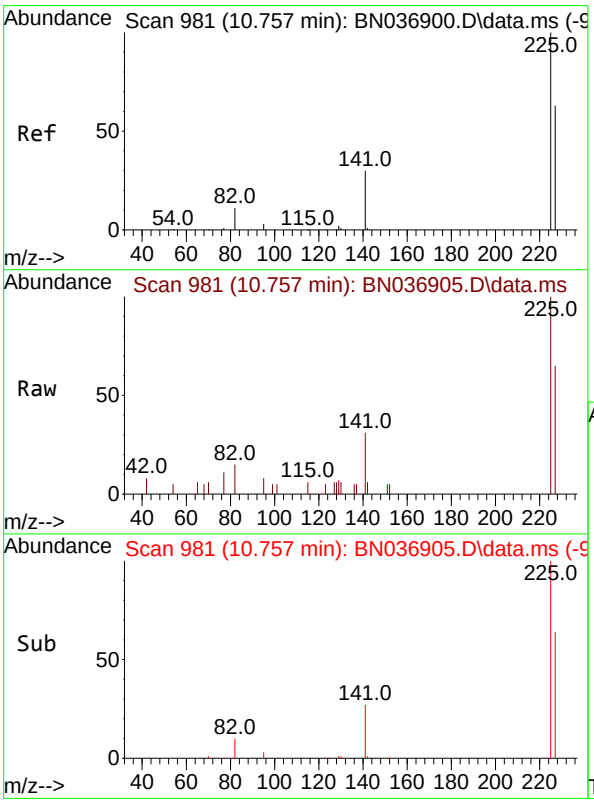
#9
Naphthalene
Concen: 0.407 ng
RT: 10.468 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:128 Resp: 6854

Ion	Ratio	Lower	Upper
128	100		
129	11.9	10.3	15.5
127	13.9	12.7	19.1

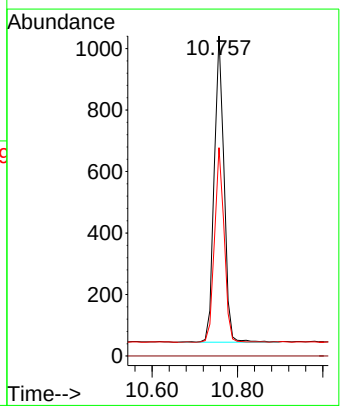


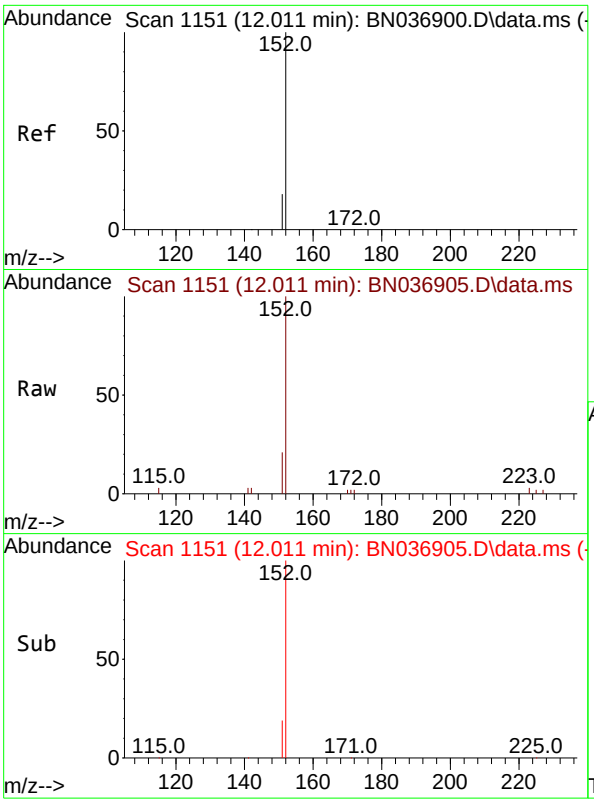


#10
Hexachlorobutadiene
Concen: 0.411 ng
RT: 10.757 min Scan# 981
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:225 Resp: 1591

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.0	51.0	76.4



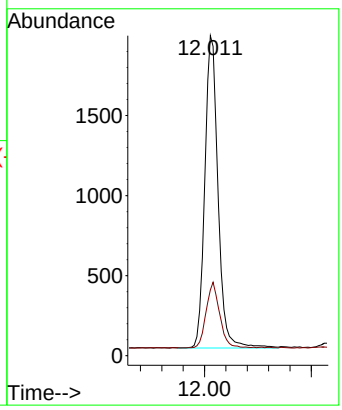


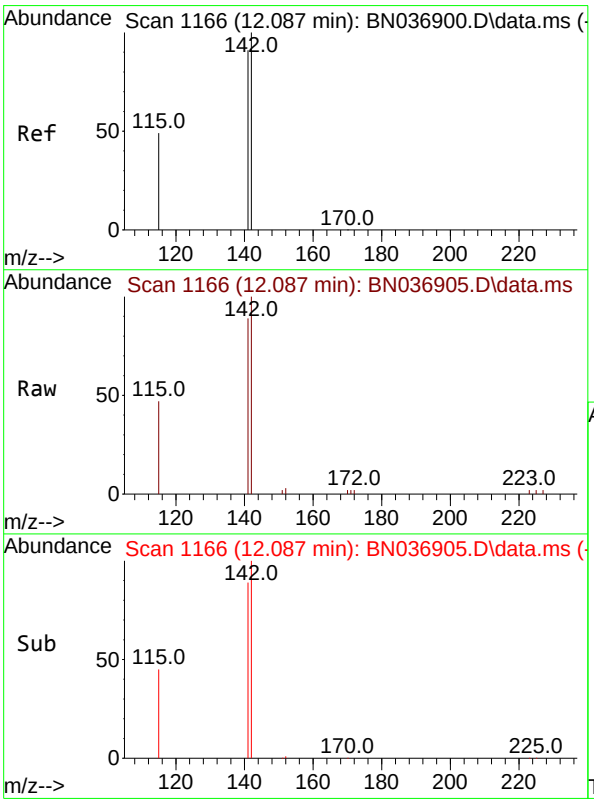
#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.011 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:152 Resp: 3366

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.1	25.7

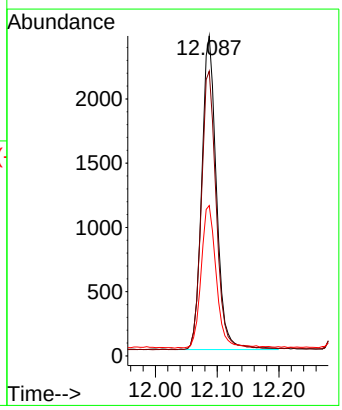


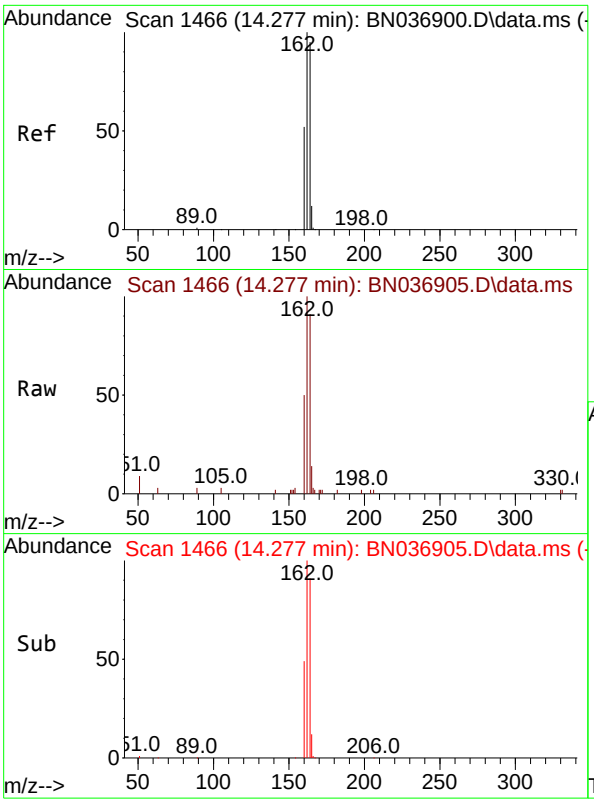


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.087 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:142 Resp: 4031

Ion	Ratio	Lower	Upper
142	100		
141	89.0	73.0	109.4
115	47.0	41.1	61.7



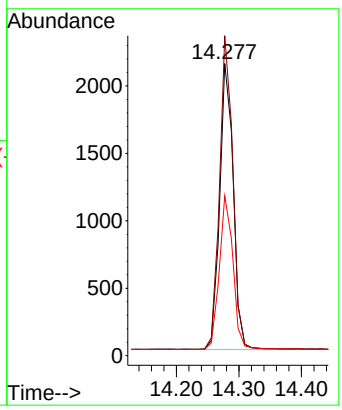


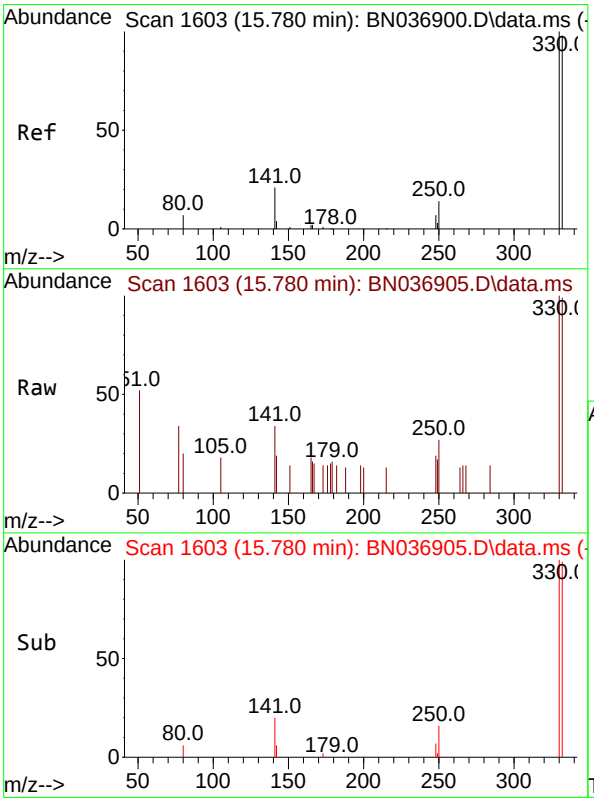
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:164 Resp: 3208

Ion	Ratio	Lower	Upper
164	100		
162	109.5	83.8	125.8
160	54.7	44.7	67.1

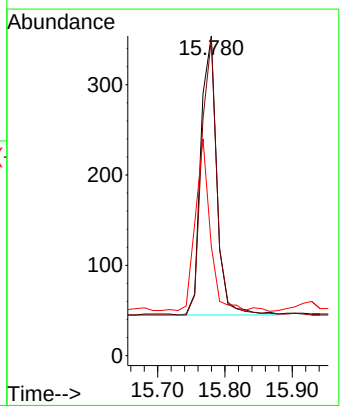


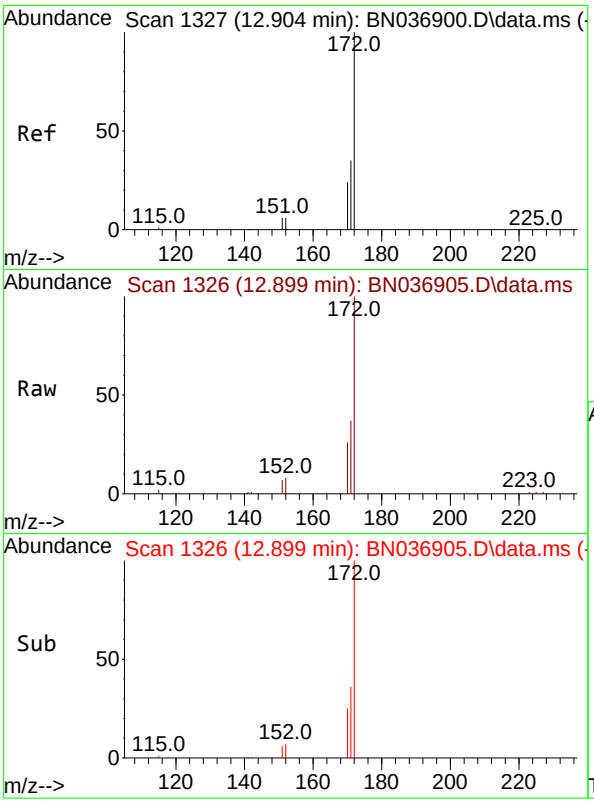


#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.780 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:330 Resp: 510

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	58.6	44.5	66.7



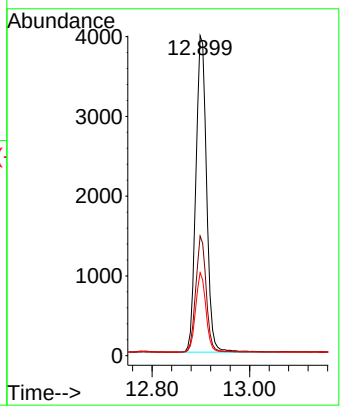


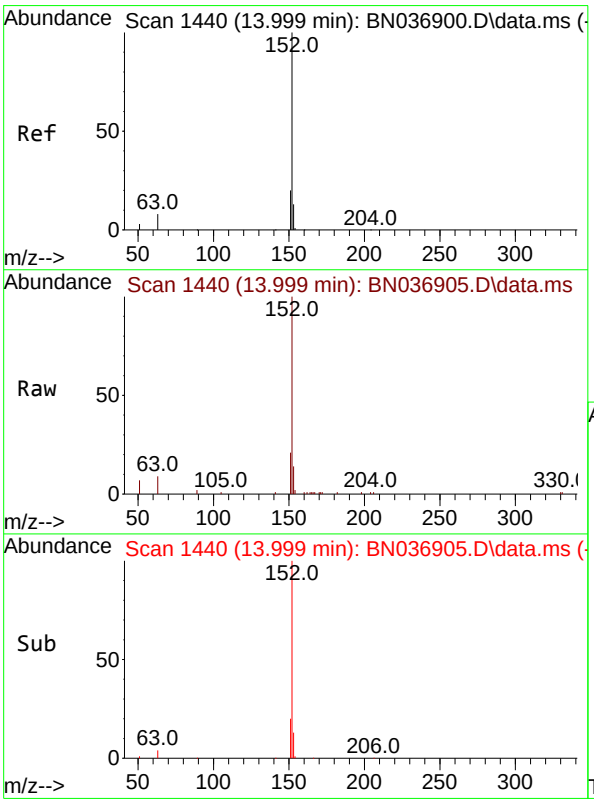
#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 12.899 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:172 Resp: 6990

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.2	43.8
170	25.9	20.5	30.7

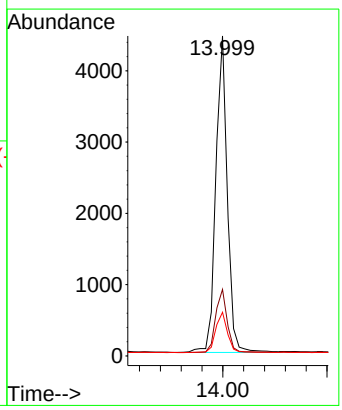


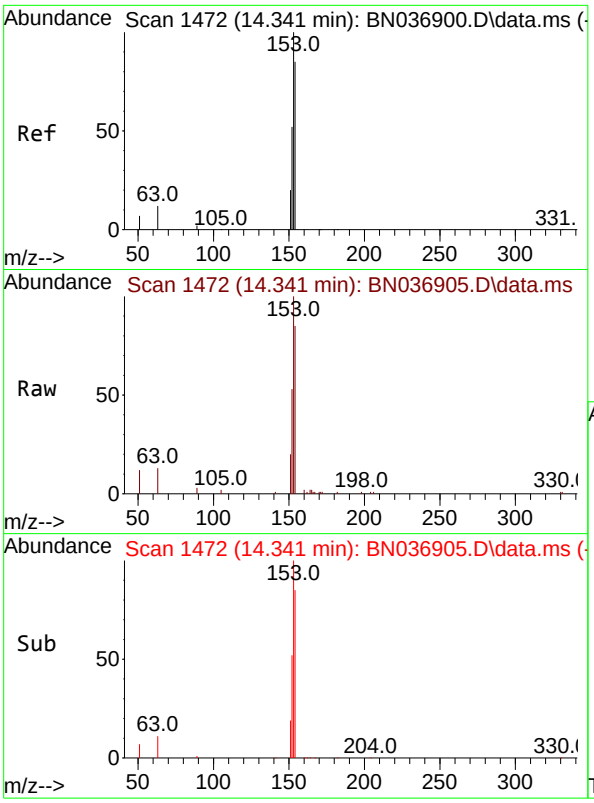


#16
Acenaphthylene
Concen: 0.446 ng
RT: 13.999 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:152 Resp: 6788

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.2	15.4



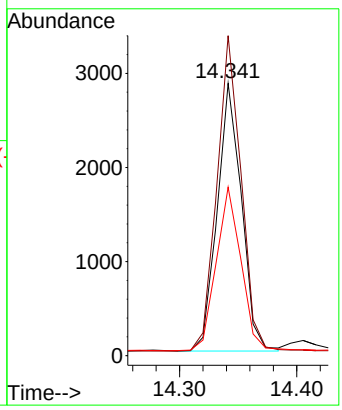


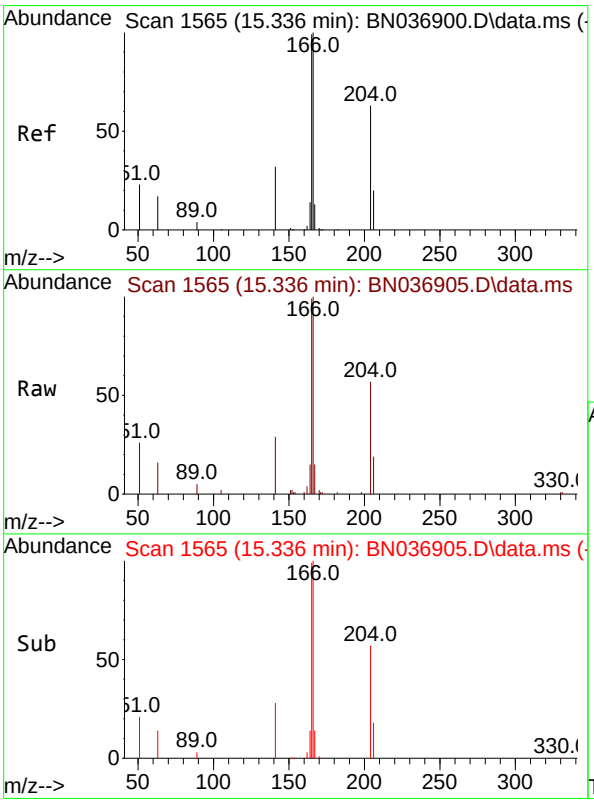
#17
Acenaphthene
Concen: 0.407 ng
RT: 14.341 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:154 Resp: 4084

Ion	Ratio	Lower	Upper
154	100		
153	117.6	94.7	142.1
152	63.3	49.4	74.2

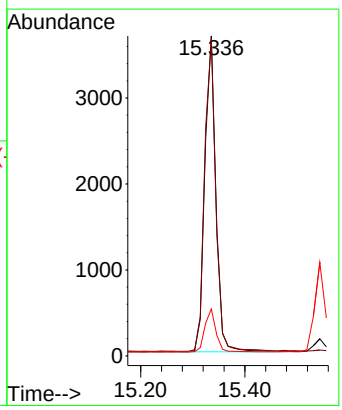


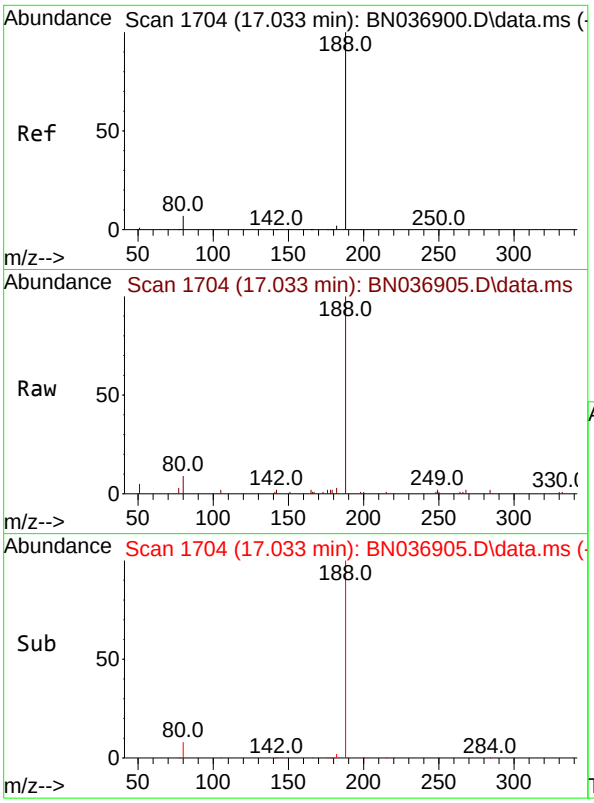


#18
Fluorene
Concen: 0.407 ng
RT: 15.336 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:166 Resp: 5392

Ion	Ratio	Lower	Upper
166	100		
165	100.7	80.9	121.3
167	13.5	10.9	16.3



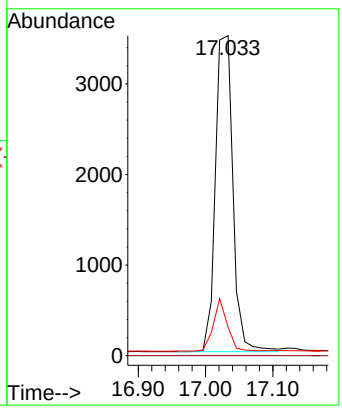


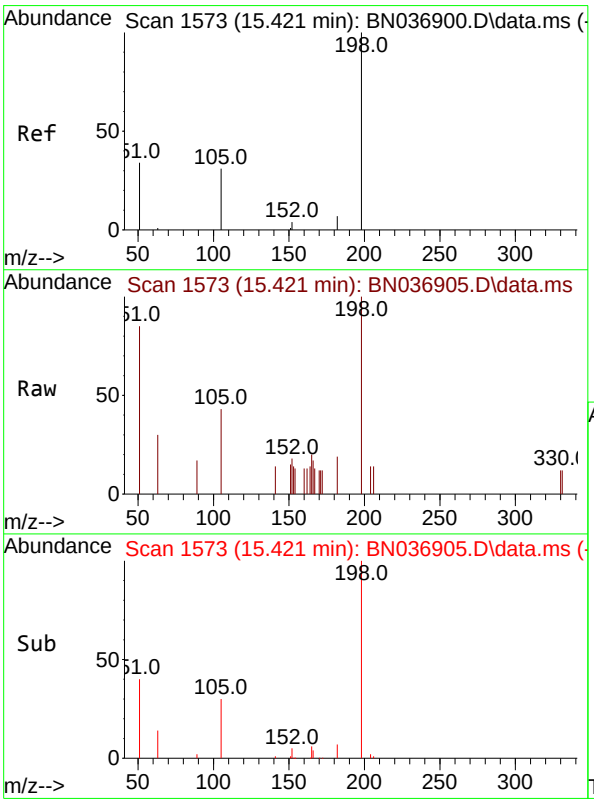
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:188 Resp: 6273

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.1	10.7

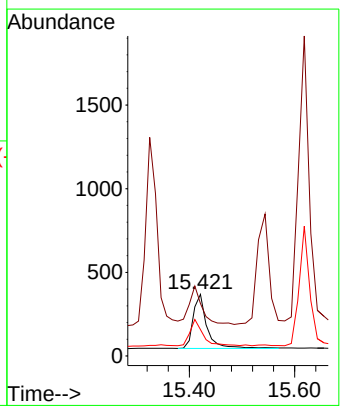


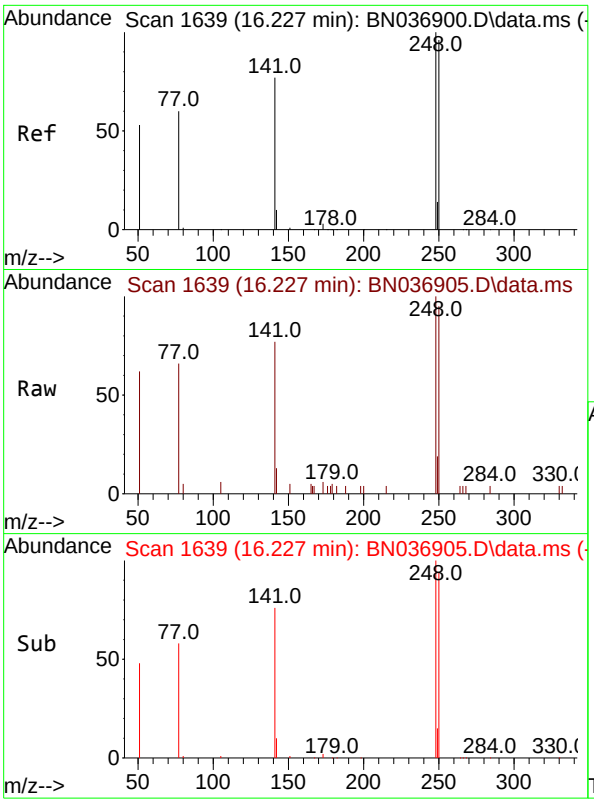


#20
4,6-Dinitro-2-methylphenol
Concen: 0.363 ng
RT: 15.421 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:198 Resp: 621

Ion	Ratio	Lower	Upper
198	100		
51	85.1	68.4	102.6
105	42.8	38.7	58.1



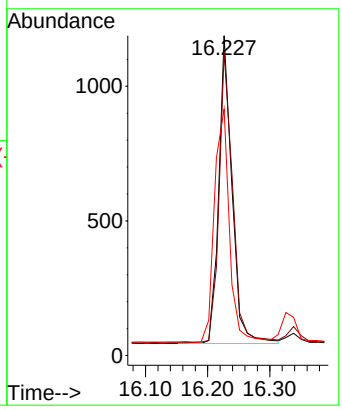


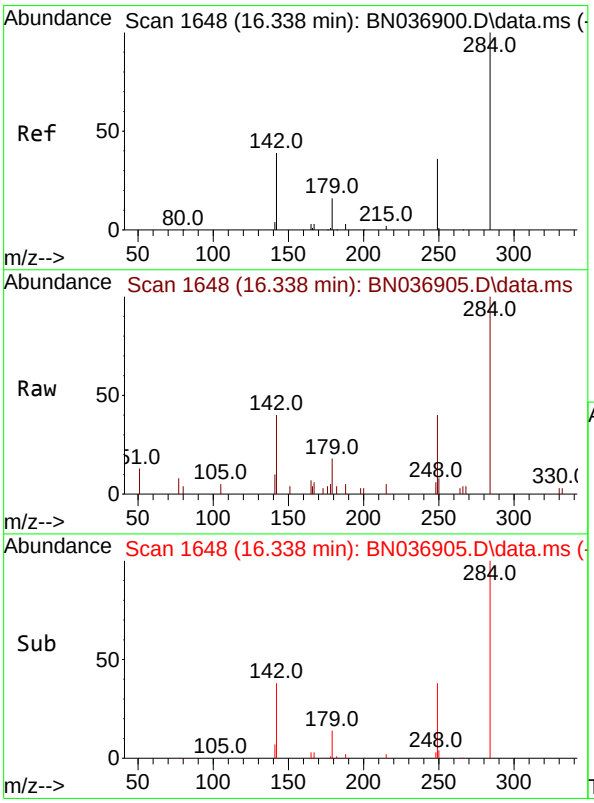
#21
4-Bromophenyl-phenylether
Concen: 0.425 ng
RT: 16.227 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:248 Resp: 1688

Ion	Ratio	Lower	Upper
248	100		
250	94.9	77.0	115.6
141	77.0	63.0	94.4

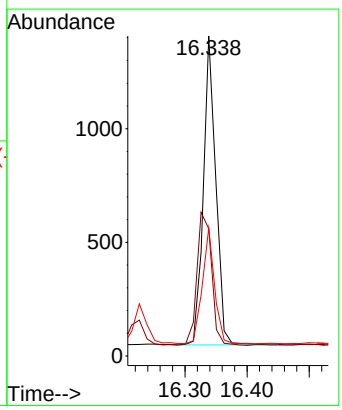


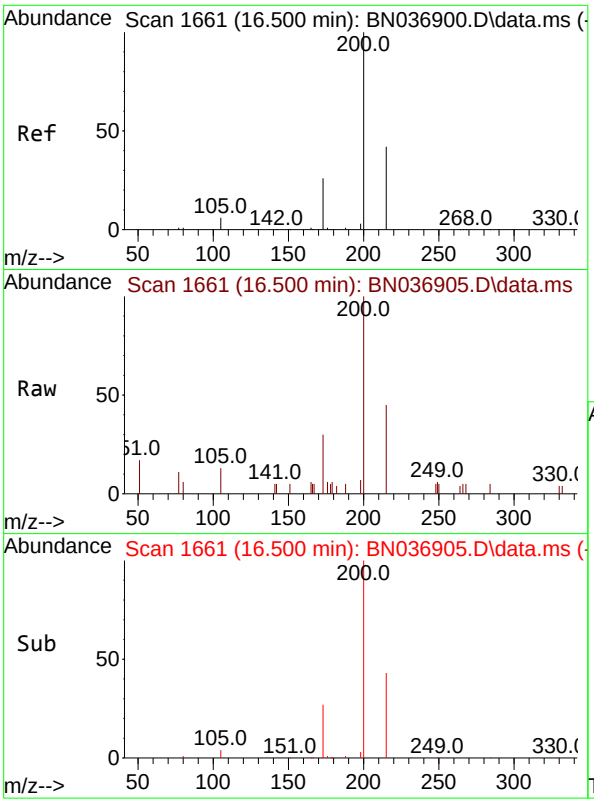


#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:284 Resp: 1899

Ion	Ratio	Lower	Upper
284	100		
142	50.6	42.6	64.0
249	36.7	29.1	43.7



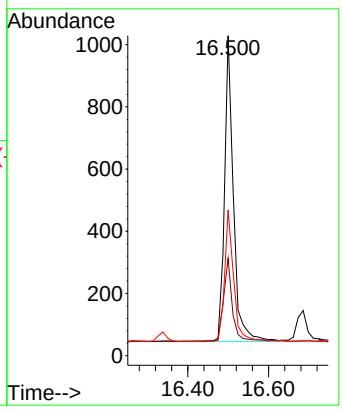


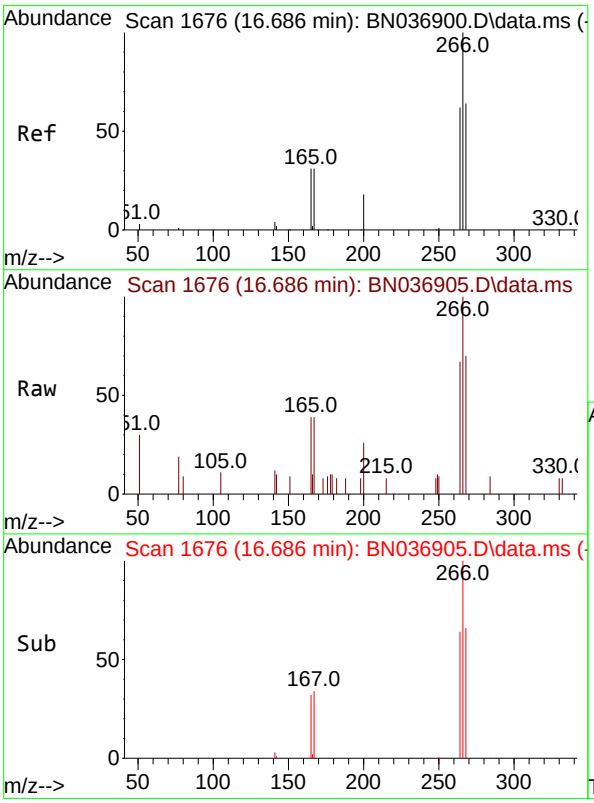
#23
Atrazine
Concen: 0.456 ng
RT: 16.500 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:200 Resp: 1508

Ion	Ratio	Lower	Upper
200	100		
173	30.4	25.0	37.4
215	45.5	37.2	55.8

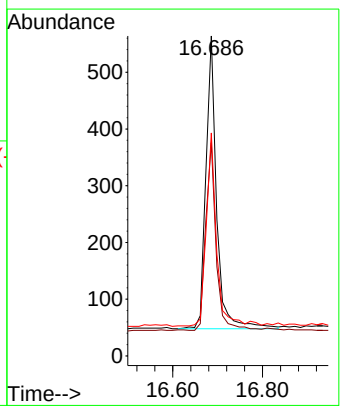


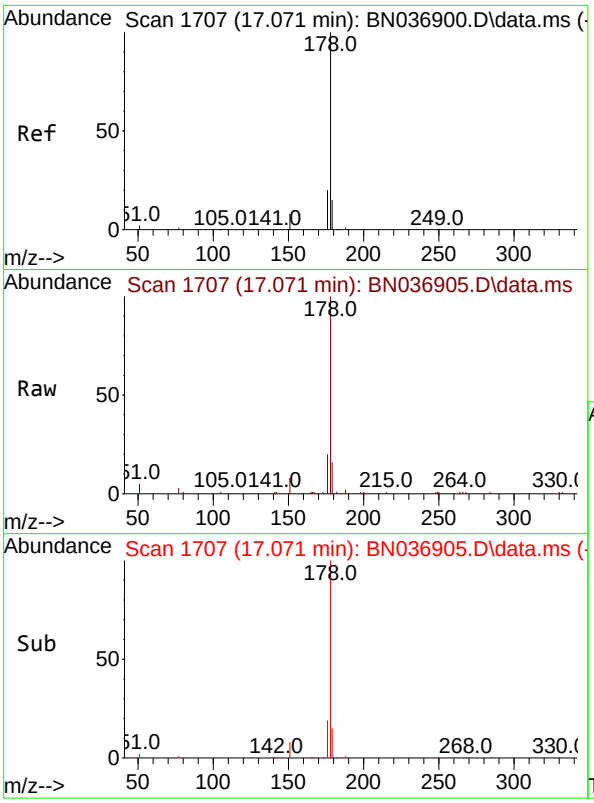


#24
Pentachlorophenol
Concen: 0.358 ng
RT: 16.686 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:266 Resp: 853

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.4	75.6
268	63.0	50.6	76.0



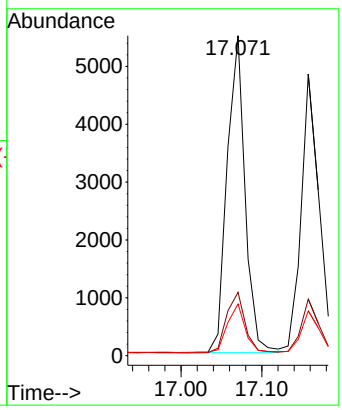


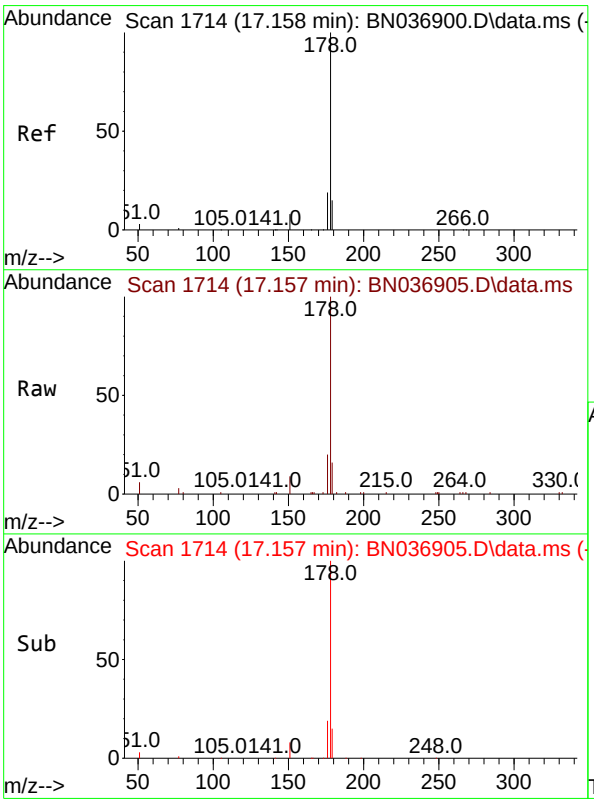
#25
Phenanthrene
Concen: 0.439 ng
RT: 17.071 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:178 Resp: 8446

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.2
179	15.2	12.2	18.4

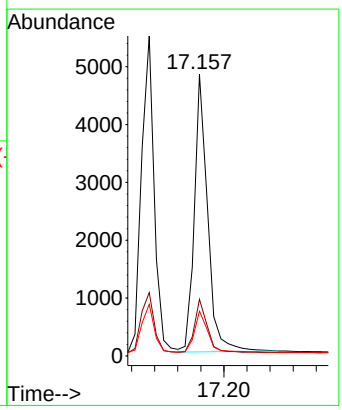


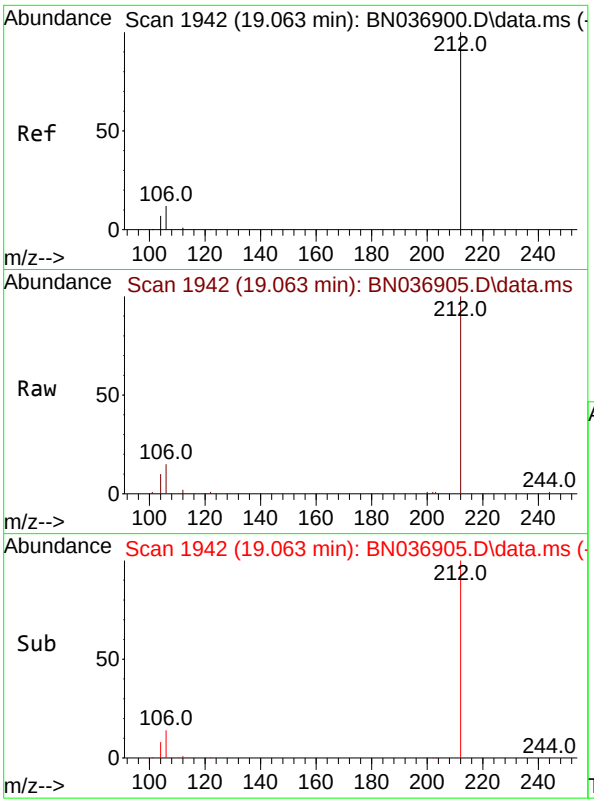


#26
Anthracene
Concen: 0.445 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:178 Resp: 7704

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.4	12.1	18.1



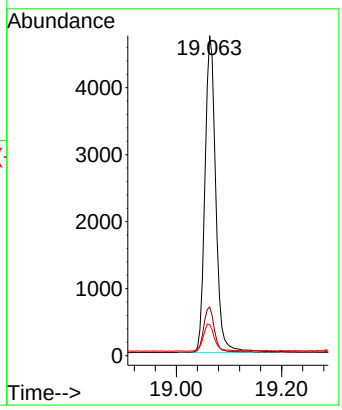


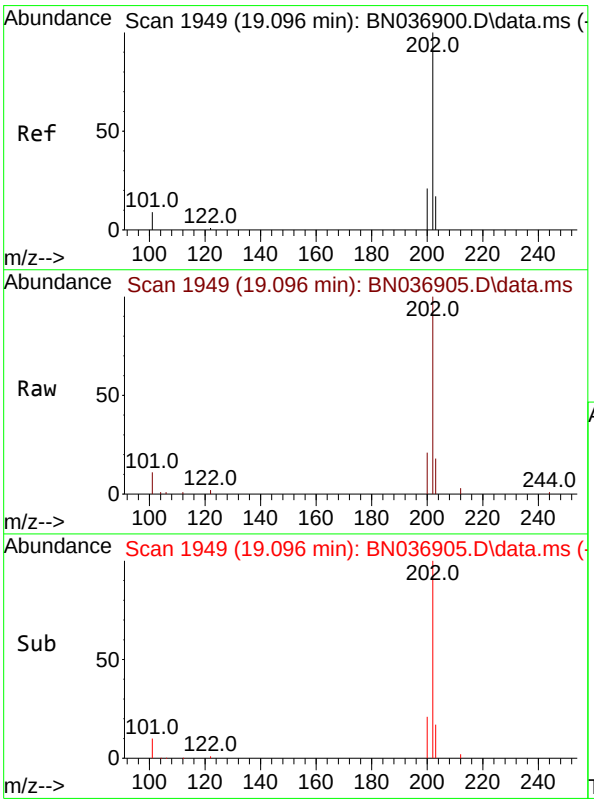
#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:212 Resp: 6761

Ion	Ratio	Lower	Upper
212	100		
106	14.2	10.6	15.8
104	8.8	6.6	10.0

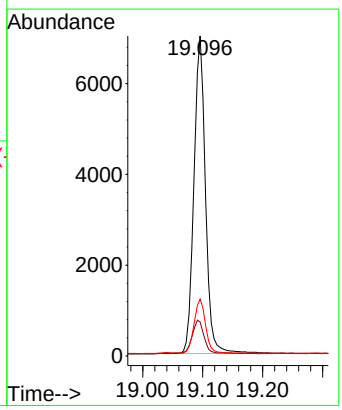


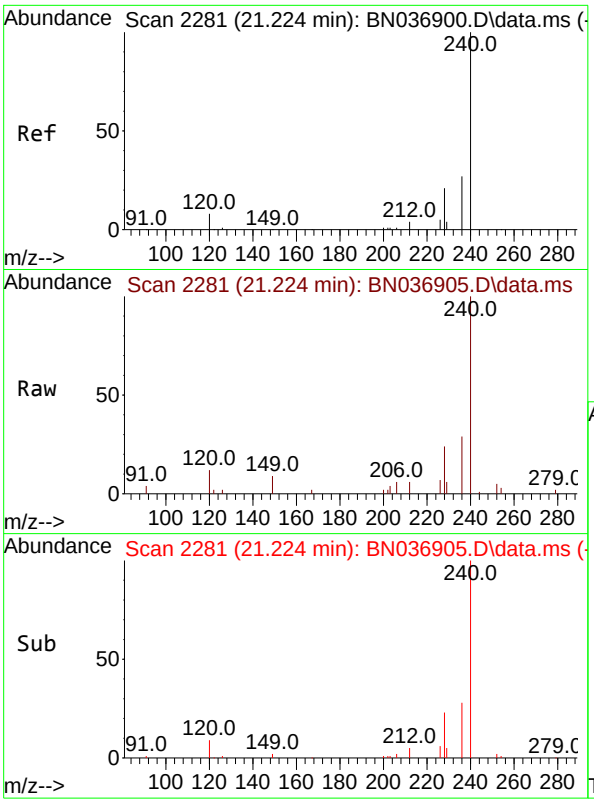


#28
Fluoranthene
Concen: 0.414 ng
RT: 19.096 min Scan# 1949
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:202 Resp: 9368

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.4
203	16.8	13.6	20.4



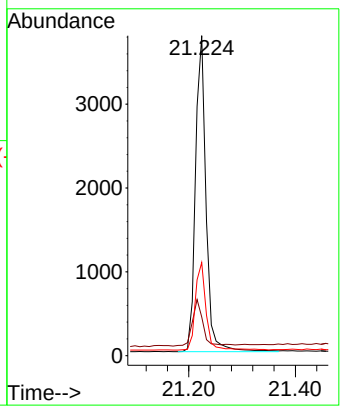


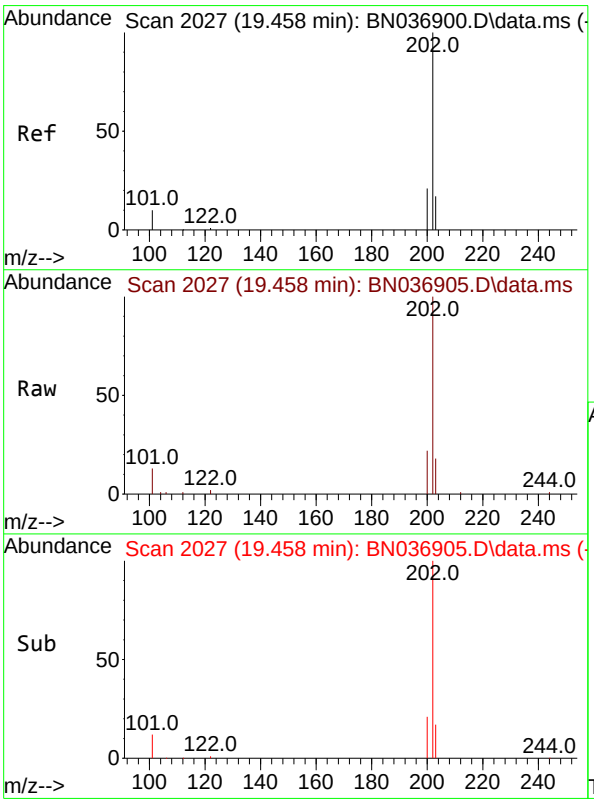
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.224 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:240 Resp: 5203

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.8	14.6
236	29.1	23.1	34.7

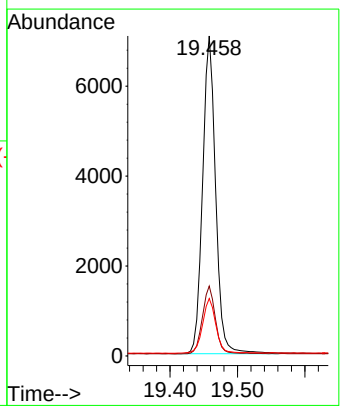


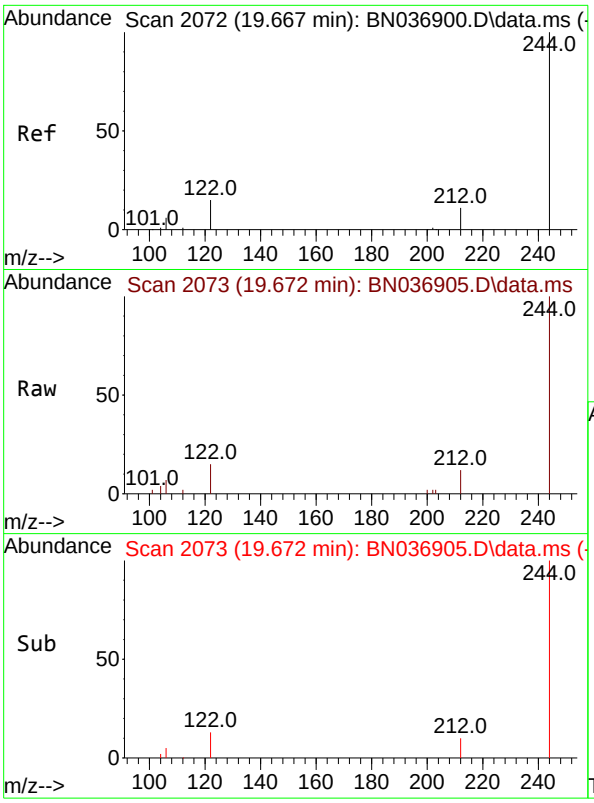


#30
Pyrene
Concen: 0.405 ng
RT: 19.458 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:202 Resp: 9483

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.8	14.1	21.1



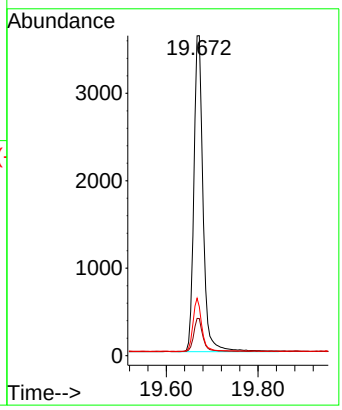


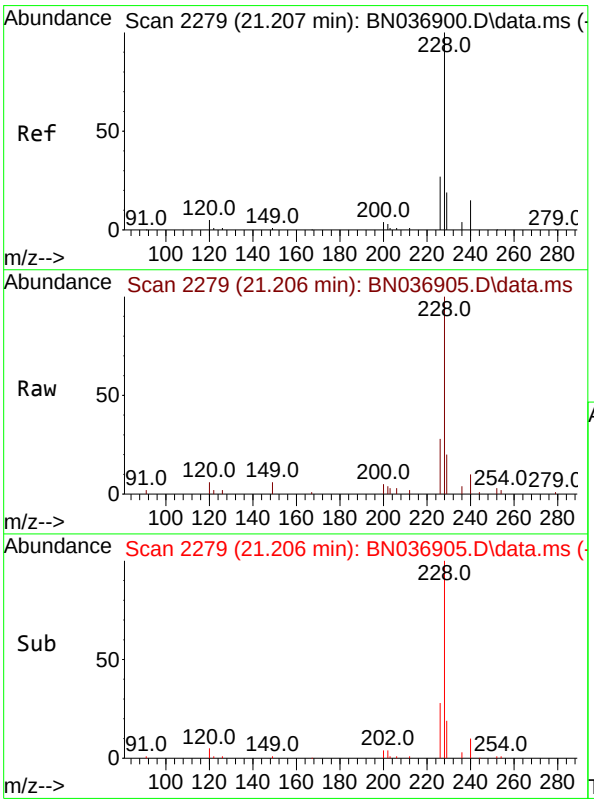
#31
Terphenyl-d14
Concen: 0.441 ng
RT: 19.672 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:244 Resp: 5020

Ion	Ratio	Lower	Upper
244	100		
212	11.6	10.1	15.1
122	15.3	13.6	20.4

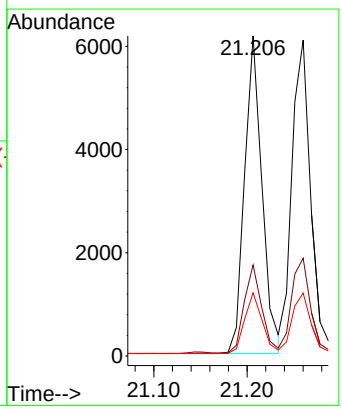


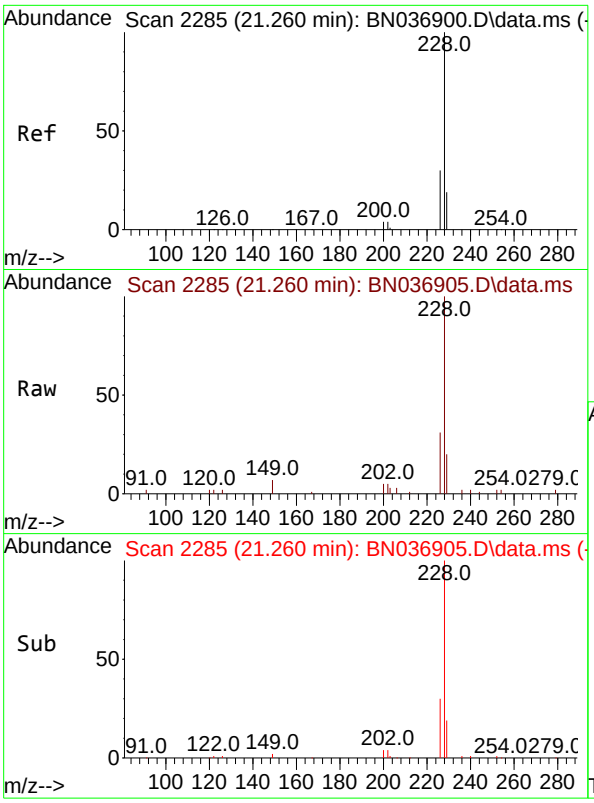


#32
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:228 Resp: 8028

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	19.8	16.2	24.4



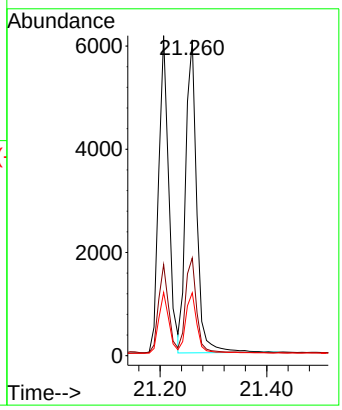


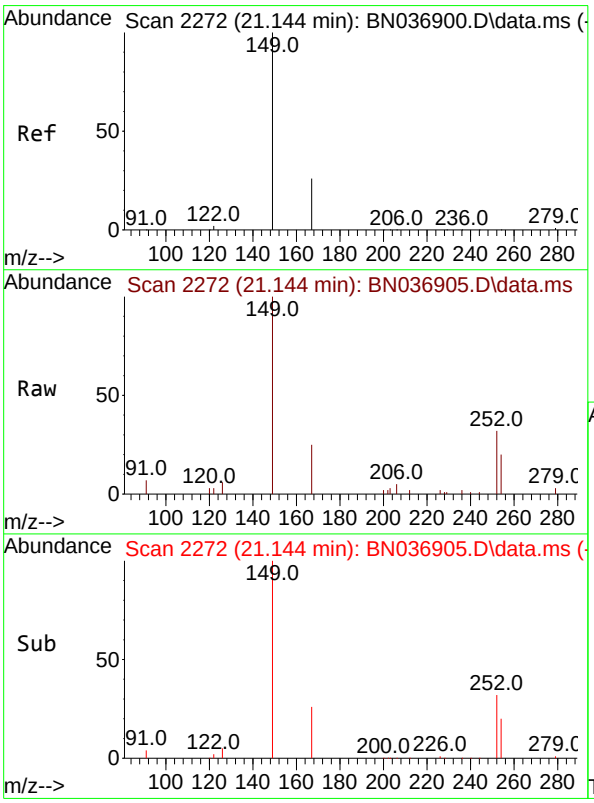
#33
Chrysene
Concen: 0.429 ng
RT: 21.260 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:228 Resp: 8745

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	19.9	15.9	23.9

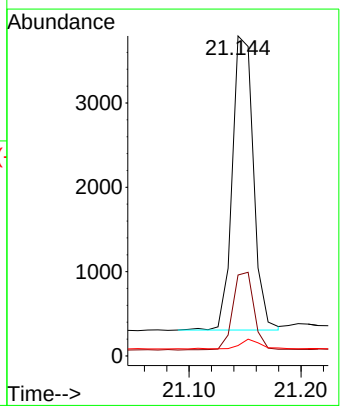


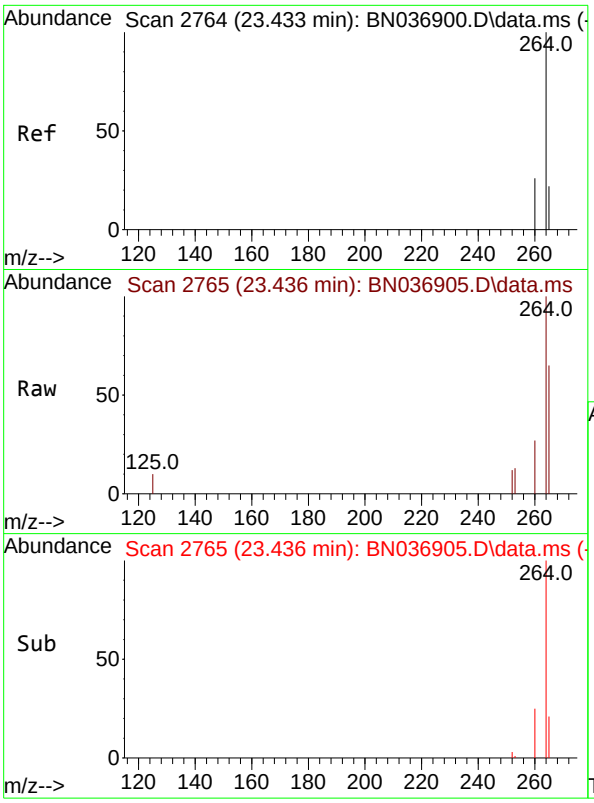


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.421 ng
RT: 21.144 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:149 Resp: 4585

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.7	32.5
279	2.9	3.0	4.4#



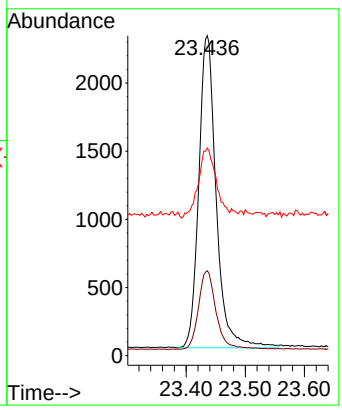


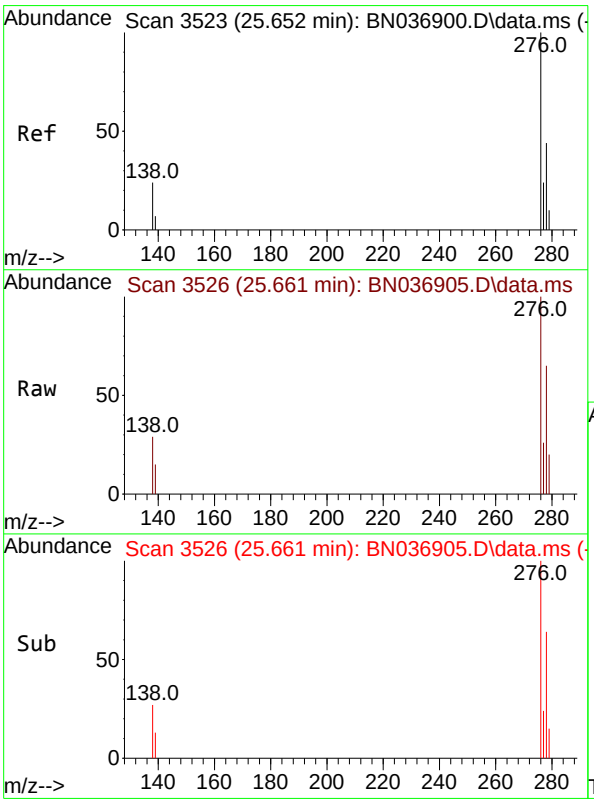
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.436 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:264 Resp: 4681

Ion	Ratio	Lower	Upper
264	100		
260	26.6	22.3	33.5
265	64.9	57.6	86.4

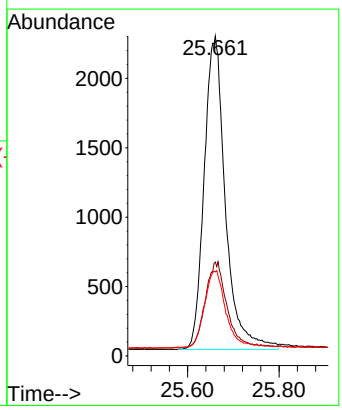


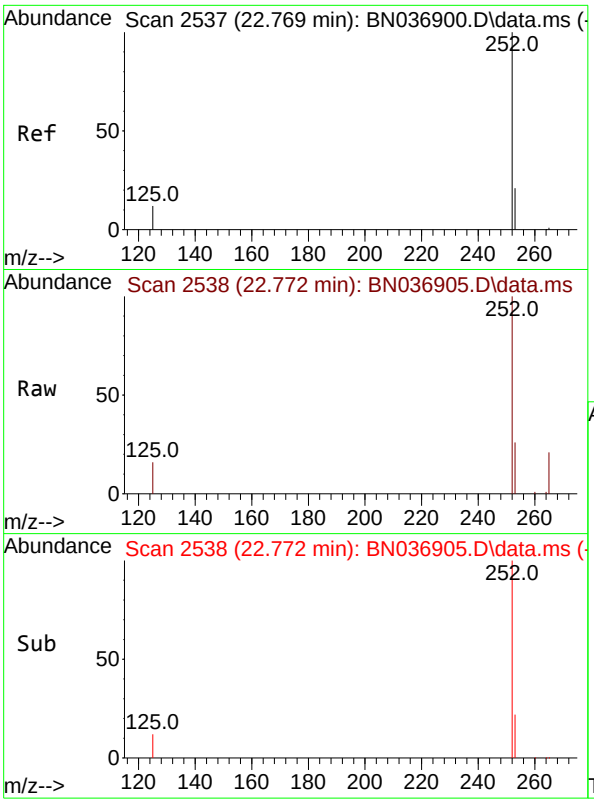


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.429 ng
RT: 25.661 min Scan# 3526
Delta R.T. 0.009 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:276 Resp: 7286

Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.3	30.5
277	24.9	20.3	30.5



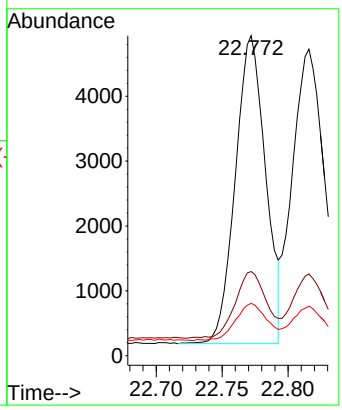


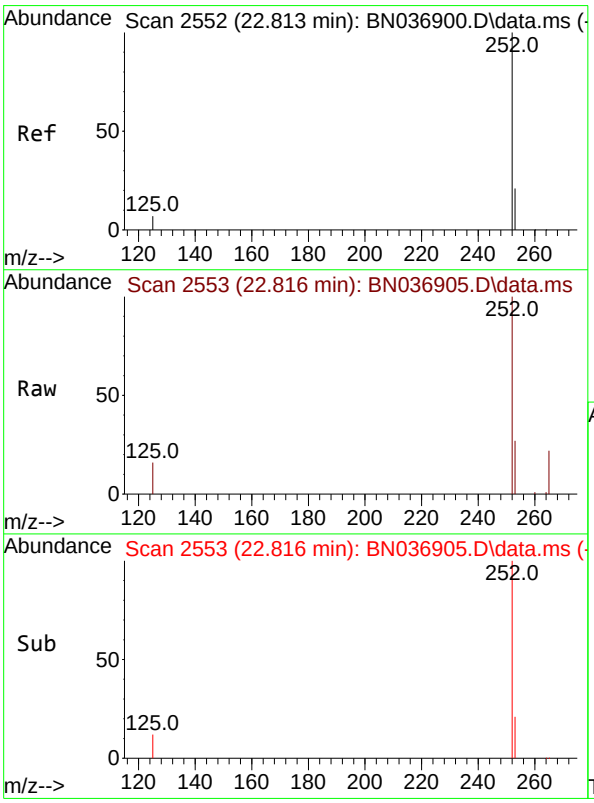
#37
Benzo(b)fluoranthene
Concen: 0.418 ng
RT: 22.772 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:252 Resp: 7575

Ion	Ratio	Lower	Upper
252	100		
253	26.3	22.0	33.0
125	16.4	13.7	20.5

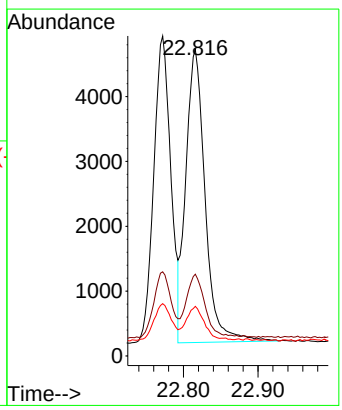


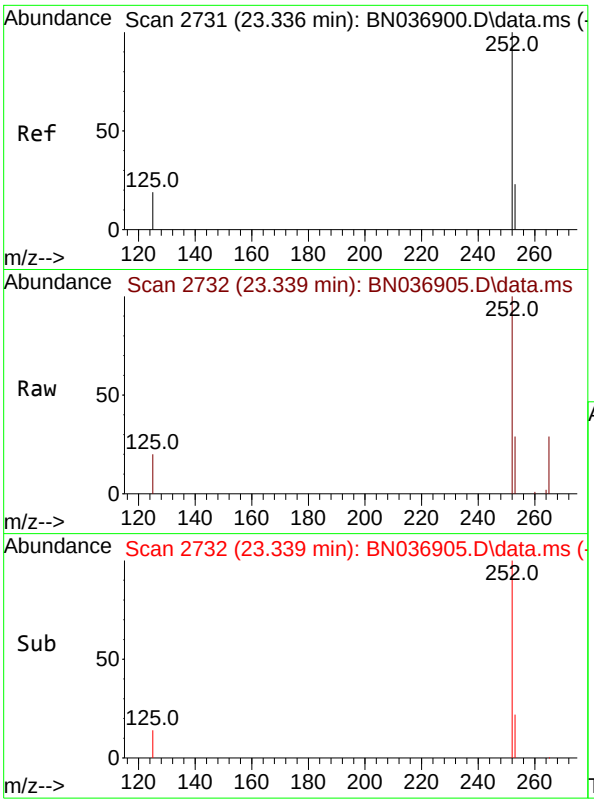


#38
Benzo(k)fluoranthene
Concen: 0.445 ng
RT: 22.816 min Scan# 2553
Delta R.T. 0.003 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:252 Resp: 8145

Ion	Ratio	Lower	Upper
252	100		
253	26.7	22.7	34.1
125	16.2	12.5	18.7



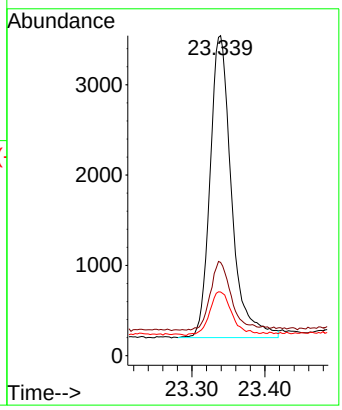


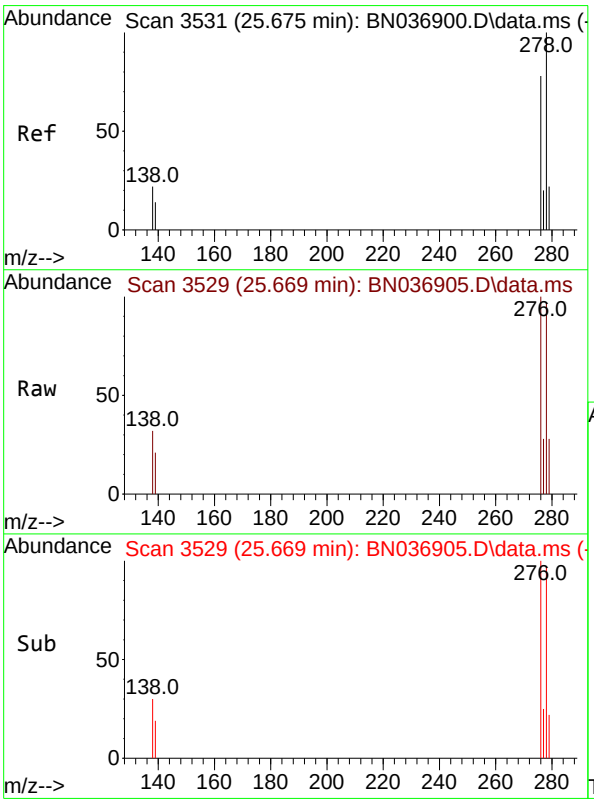
#39
Benzo(a)pyrene
Concen: 0.453 ng
RT: 23.339 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:252 Resp: 6835

Ion	Ratio	Lower	Upper
252	100		
253	29.1	25.8	38.6
125	19.9	20.7	31.1#

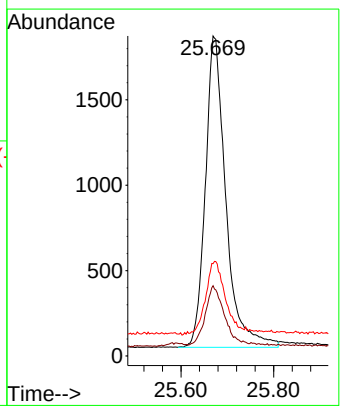


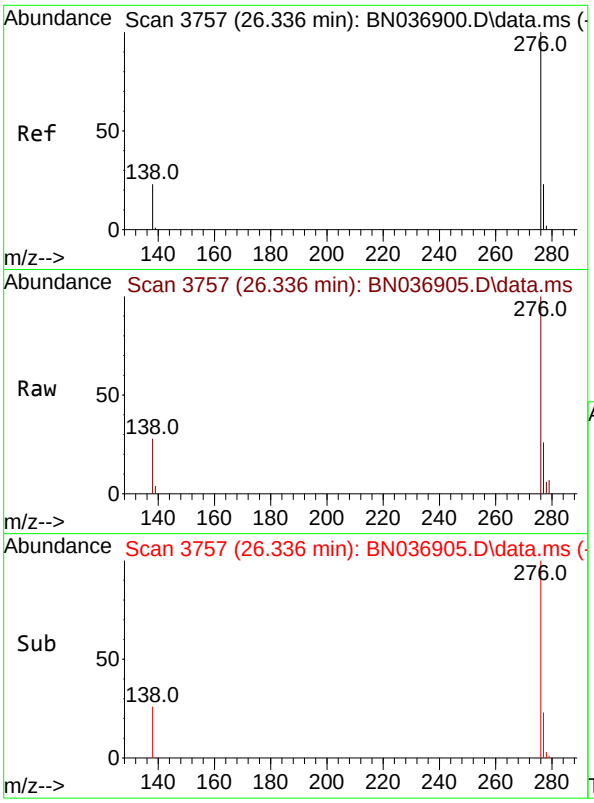


#40
Dibenzo(a,h)anthracene
Concen: 0.424 ng
RT: 25.669 min Scan# 3529
Delta R.T. -0.006 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Tgt Ion:278 Resp: 5596

Ion	Ratio	Lower	Upper
278	100		
139	22.0	16.9	25.3
279	28.9	25.7	38.5





#41
Benzo(g,h,i)perylene
Concen: 0.408 ng
RT: 26.336 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN036905.D
Acq: 14 Apr 2025 17:39

Instrument :
BNA_N
ClientSampleId :
ICVBN041425

Tgt Ion:276 Resp: 5939

Ion	Ratio	Lower	Upper
276	100		
277	25.8	21.3	31.9
138	27.8	20.8	31.2