Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070925\
Data File : BN037443.D
Acq On : 09 Jul 2025 17:36
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Jul 10 00:27:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 00:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	3016	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	7866	0.400	ng	# 0.00
13) Acenaphthene-d10	14.366	164	4080	0.400	ng	# 0.00
19) Phenanthrene-d10	17.099	188	7362	0.400	ng	#-0.01
29) Chrysene-d12	21.295	240	5903	0.400	ng	# 0.00
35) Perylene-d12	23.534	264	6458	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	875	0.169	ng	0.00
5) Phenol-d6	6.894	99	1075	0.145	ng	0.00
8) Nitrobenzene-d5	8.875	82	516	0.074	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	1062	0.104	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	171	0.254	ng	-0.01
15) 2-Fluorobiphenyl	12.993	172	2288	0.098	ng	0.00
27) Fluoranthene-d10	19.136	212	1787	0.095	ng	0.00
31) Terphenyl-d14	19.745	244	1233	0.097	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	315	0.103	ng	# 86
3) n-Nitrosodimethylamine	3.564	42	338	0.075	ng	# 73
6) bis(2-Chloroethyl)ether	7.161	93	835	0.110	ng	91
9) Naphthalene	10.562	128	2139	0.097	ng	# 91
10) Hexachlorobutadiene	10.872	225	424	0.096	ng	# 100
12) 2-Methylnaphthalene	12.182	142	1349	0.101	ng	97
16) Acenaphthylene	14.077	152	1907	0.092	ng	99
17) Acenaphthene	14.430	154	1206	0.091	ng	93
18) Fluorene	15.414	166	1496	0.089	ng	96
20) 4,6-Dinitro-2-methylph...	15.478	198	50	0.076	ng	# 45
21) 4-Bromophenyl-phenylether	16.304	248	477	0.100	ng	# 80
22) Hexachlorobenzene	16.416	284	577	0.097	ng	# 89
23) Atrazine	16.578	200	223	0.169	ng	# 89
24) Pentachlorophenol	16.751	266	296	0.269	ng	96
25) Phenanthrene	17.148	178	2163	0.088	ng	98
26) Anthracene	17.235	178	2041	0.093	ng	99
28) Fluoranthene	19.169	202	2379	0.090	ng	99
30) Pyrene	19.527	202	2438	0.091	ng	99
32) Benzo(a)anthracene	21.277	228	2122	0.103	ng	98
33) Chrysene	21.331	228	2075	0.092	ng	97
34) Bis(2-ethylhexyl)phtha...	21.241	149	497	0.102	ng	# 92
36) Indeno(1,2,3-cd)pyrene	25.811	276	2240	0.091	ng	97
37) Benzo(b)fluoranthene	22.861	252	2210	0.081	ng	# 87
38) Benzo(k)fluoranthene	22.908	252	2131	0.077	ng	# 85
39) Benzo(a)pyrene	23.440	252	1790	0.086	ng	# 84
40) Dibenzo(a,h)anthracene	25.835	278	1782	0.098	ng	# 89
41) Benzo(g,h,i)perylene	26.498	276	1973	0.091	ng	# 91

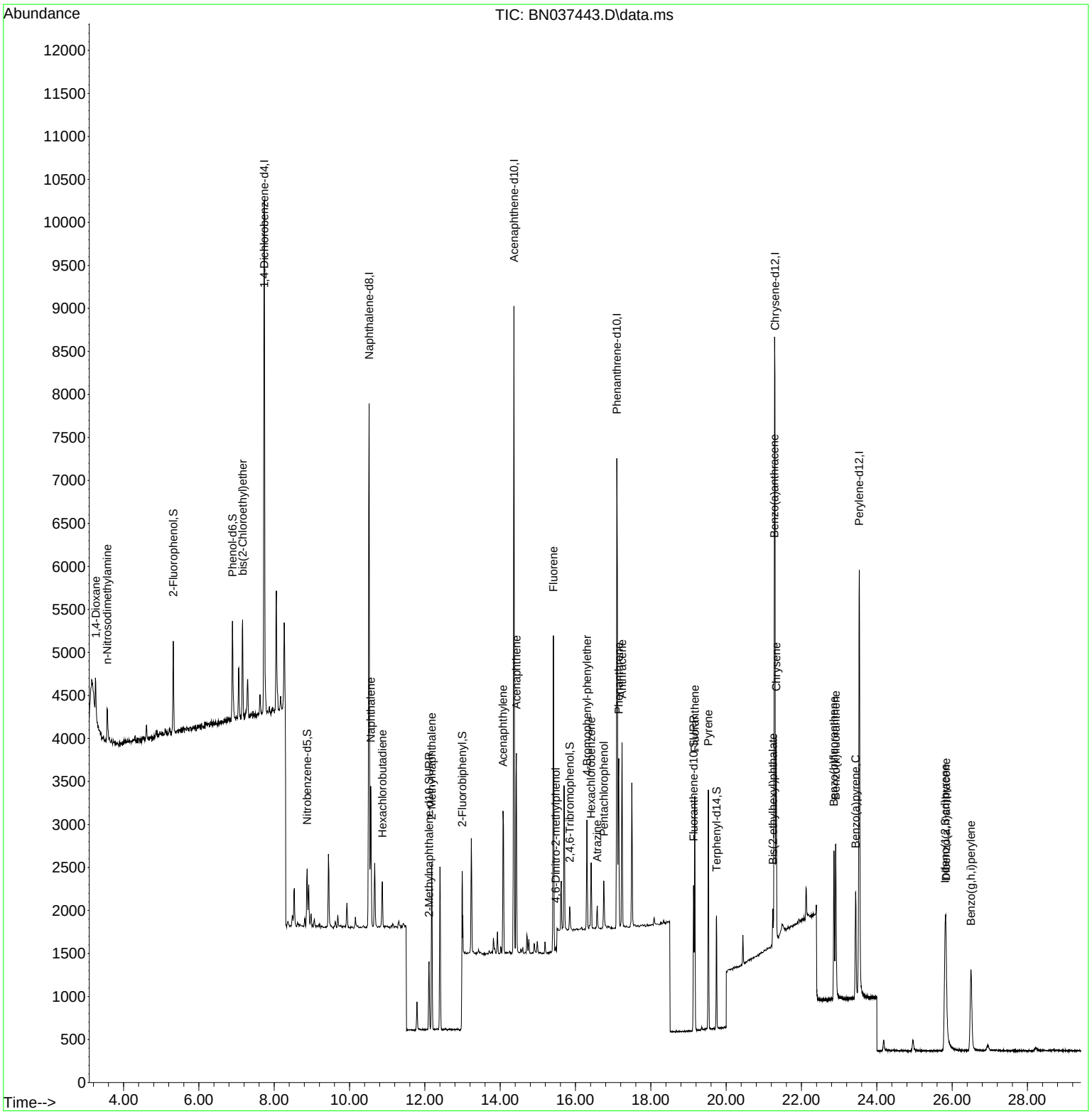
(#) = qualifier out of range (m) = manual integration (+) = signals summed

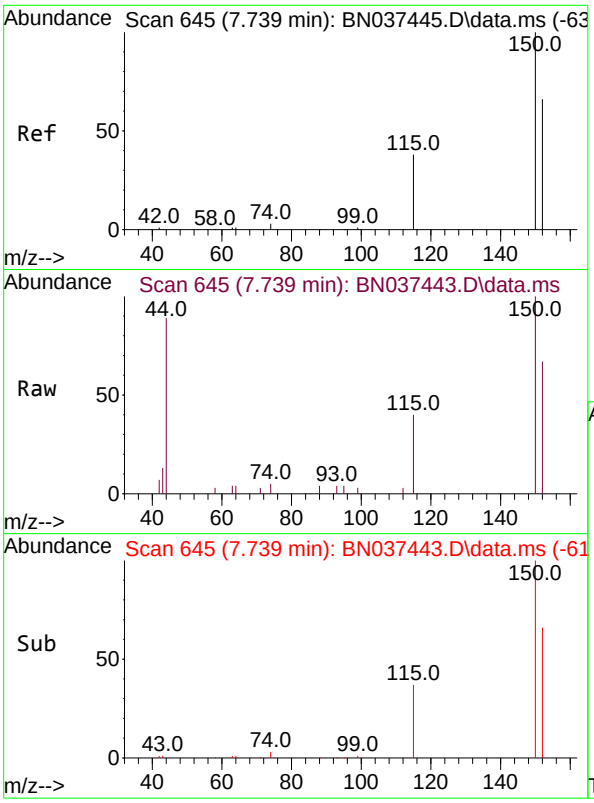
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070925\
Data File : BN037443.D
Acq On : 09 Jul 2025 17:36
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Jul 10 00:27:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 00:27:21 2025
Response via : Initial Calibration



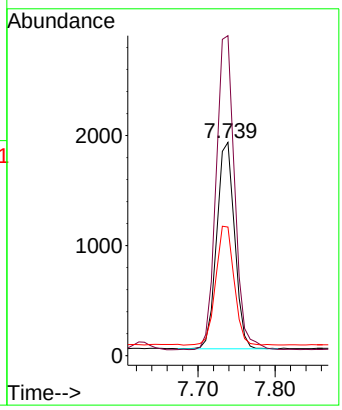


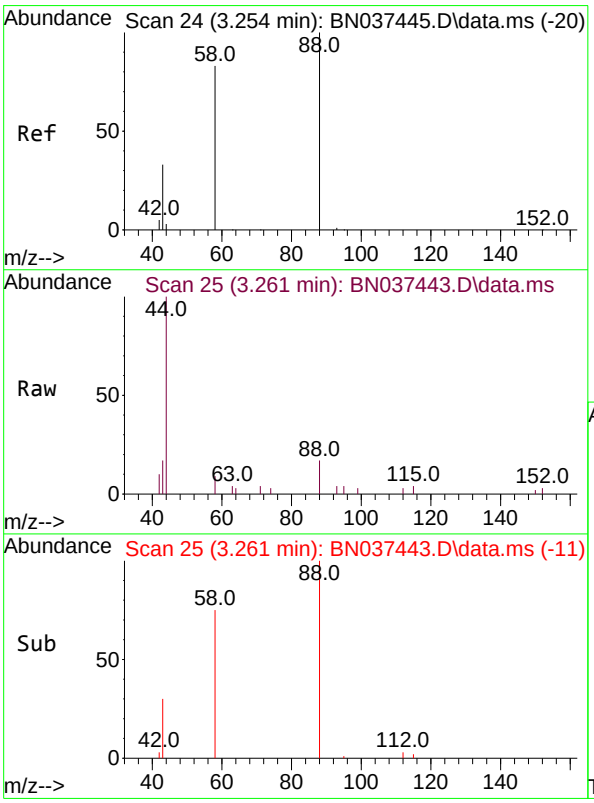
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.739 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 3016

Ion	Ratio	Lower	Upper
152	100		
150	150.1	124.6	186.8
115	60.4	50.4	75.6

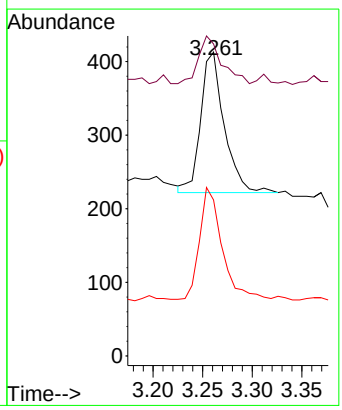


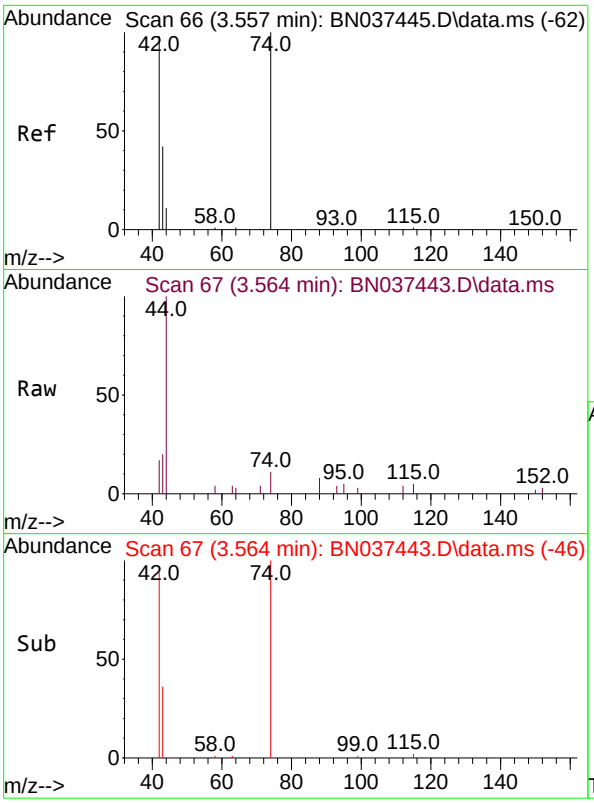


#2
1,4-Dioxane
Concen: 0.103 ng
RT: 3.261 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion: 88 Resp: 315

Ion	Ratio	Lower	Upper
88	100		
43	33.3	37.4	56.2#
58	76.2	69.3	103.9



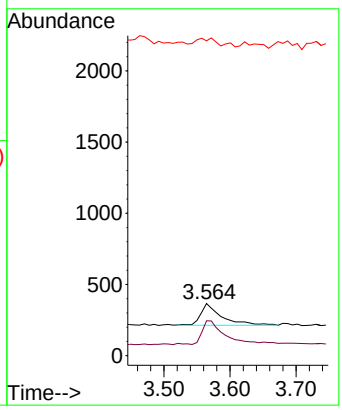


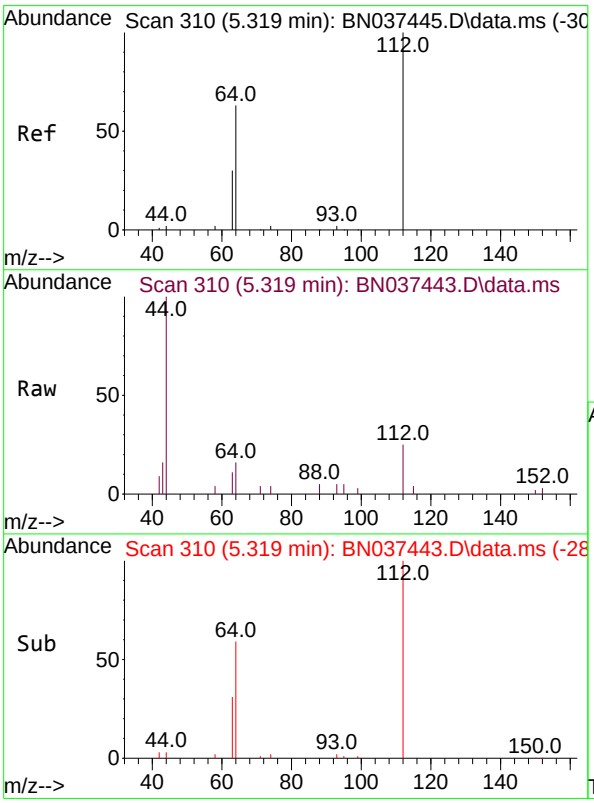
#3
n-Nitrosodimethylamine
Concen: 0.075 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 338

Ion	Ratio	Lower	Upper
42	100		
74	112.4	69.9	104.9#
44	42.0	0.0	0.0#

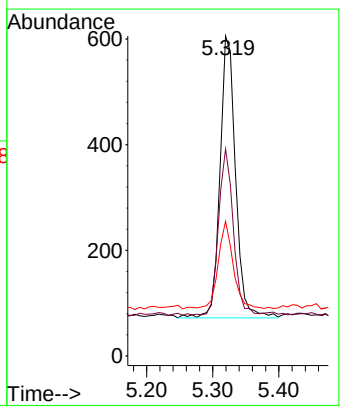


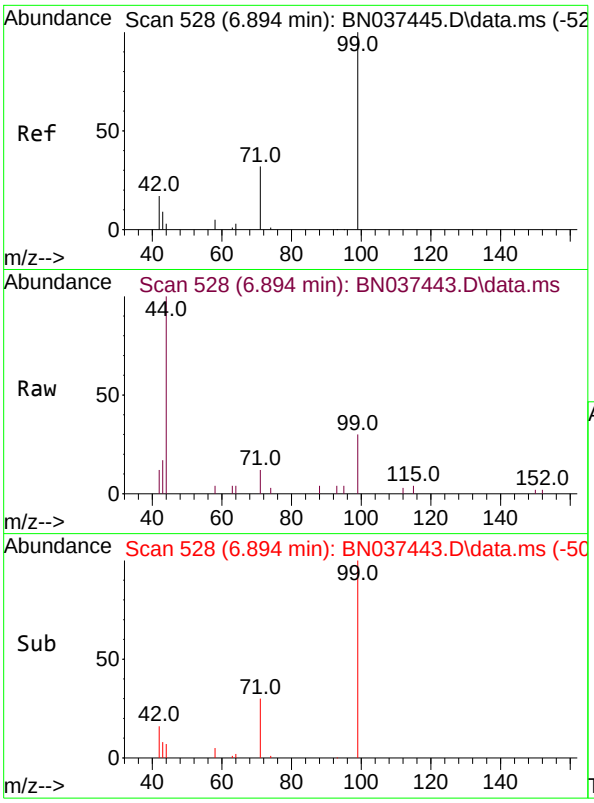


#4
2-Fluorophenol
Concen: 0.169 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.007 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:112 Resp: 875

Ion	Ratio	Lower	Upper
112	100		
64	55.1	49.4	74.2
63	29.1	27.2	40.8



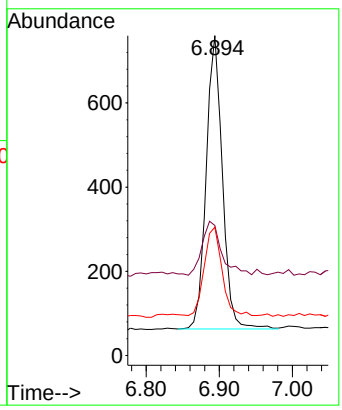


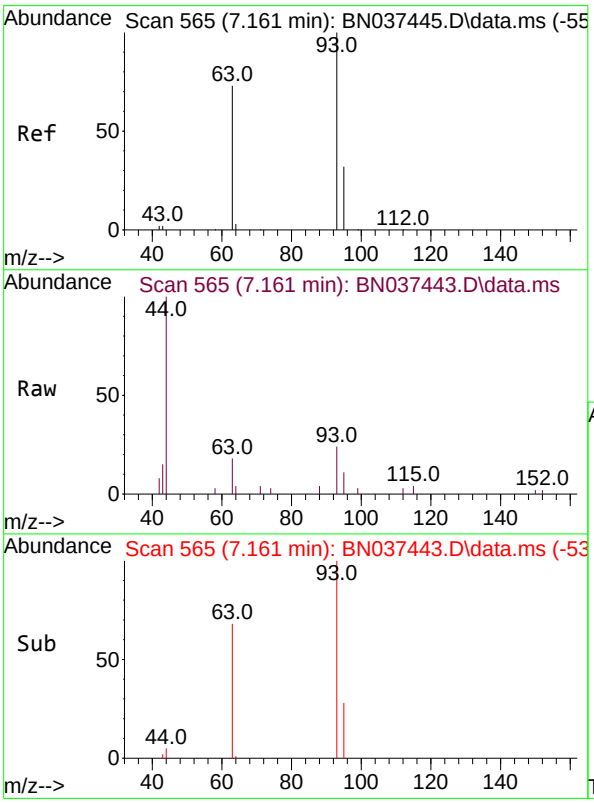
#5
Phenol-d6
Concen: 0.145 ng
RT: 6.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 1075

Ion	Ratio	Lower	Upper
99	100		
42	22.1	22.5	33.7#
71	33.0	27.8	41.6

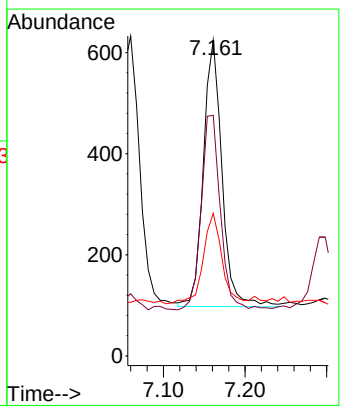


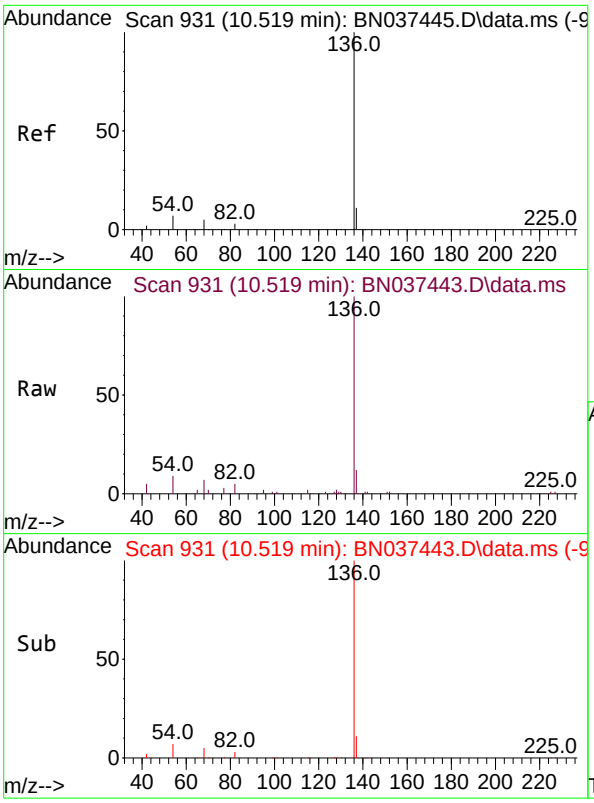


#6
bis(2-Chloroethyl)ether
Concen: 0.110 ng
RT: 7.161 min Scan# 565
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion: 93 Resp: 835

Ion	Ratio	Lower	Upper
93	100		
63	75.9	69.0	103.6
95	34.3	26.3	39.5



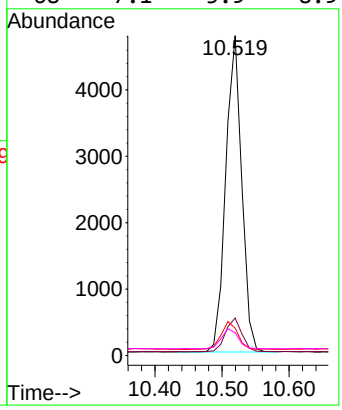


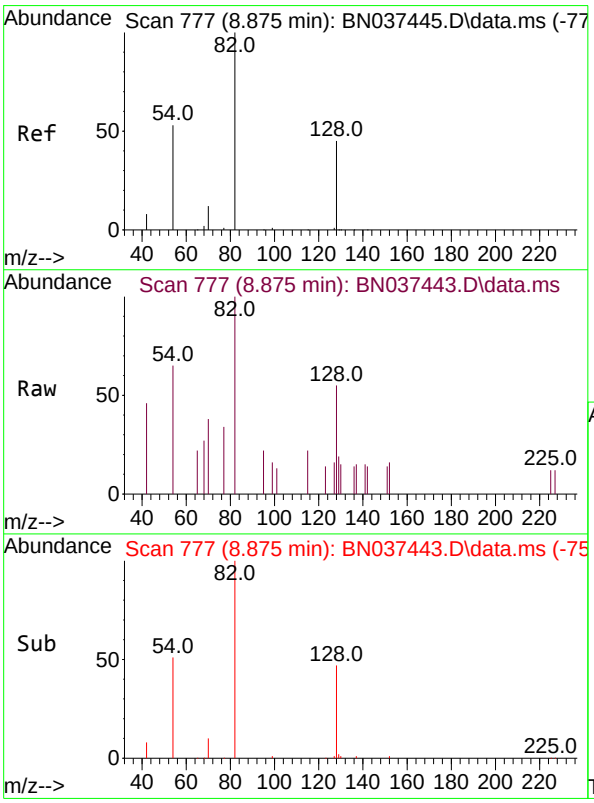
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 7866

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	8.5	8.8	13.2#
68	7.1	5.9	8.9

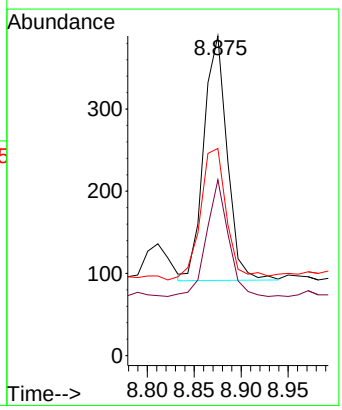


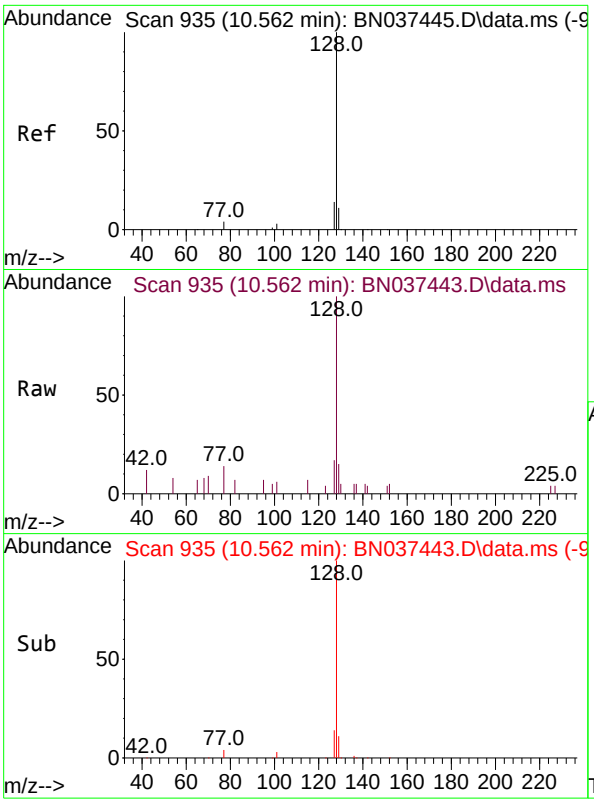


#8
Nitrobenzene-d5
Concen: 0.074 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion: 82 Resp: 516

Ion	Ratio	Lower	Upper
82	100		
128	55.0	31.4	47.0#
54	64.8	51.3	76.9



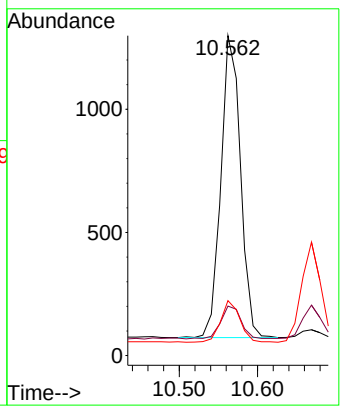


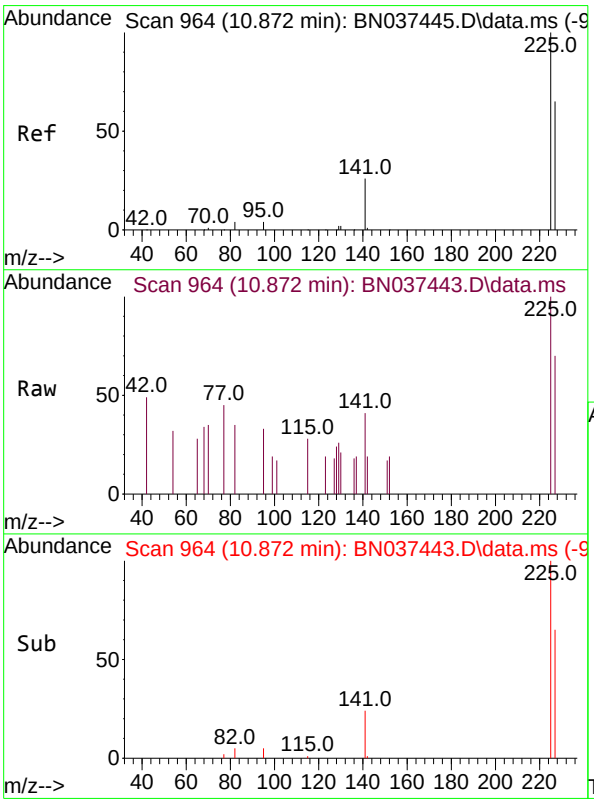
#9
Naphthalene
Concen: 0.097 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 2139

Ion	Ratio	Lower	Upper
128	100		
129	15.5	9.3	13.9#
127	17.2	11.1	16.7#

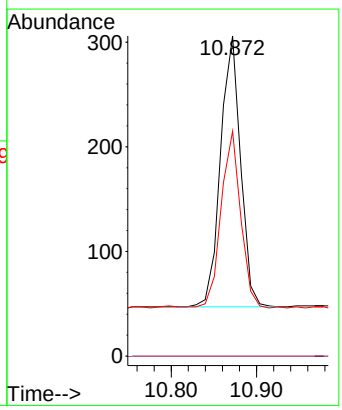


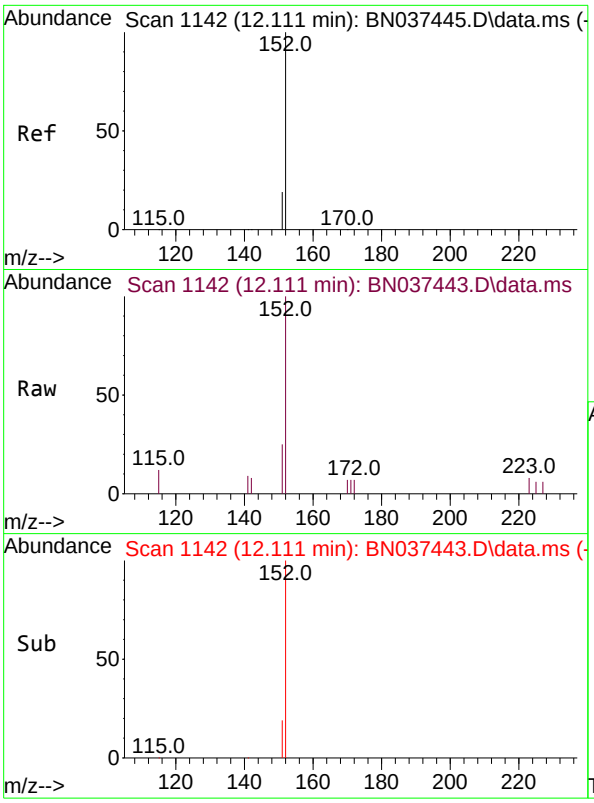


#10
Hexachlorobutadiene
Concen: 0.096 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:225 Resp: 424

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.0	76.6



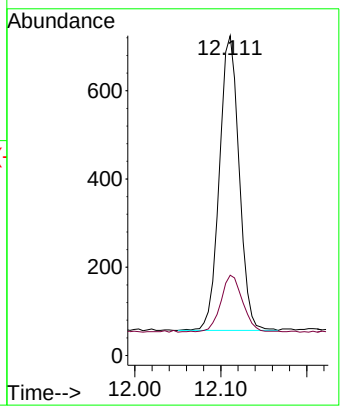


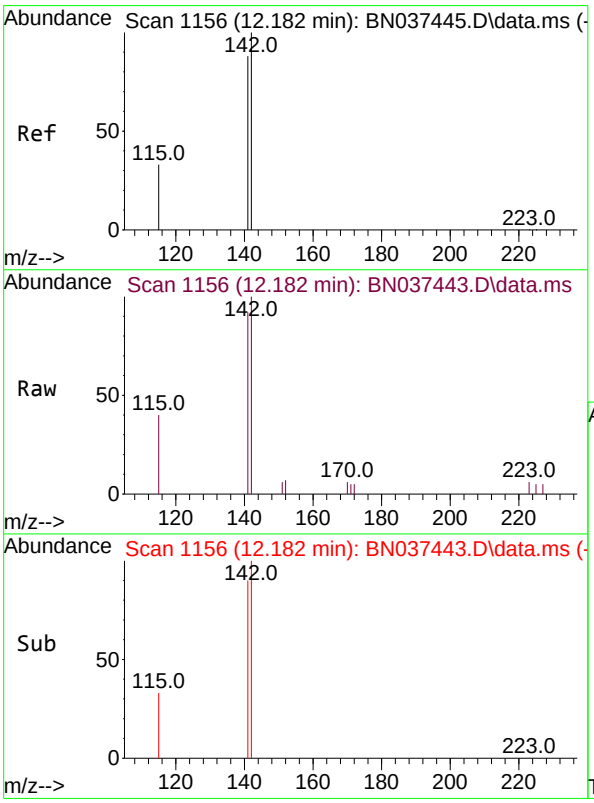
#11
2-Methylnaphthalene-d10
Concen: 0.104 ng
RT: 12.111 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1062

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.7	25.1

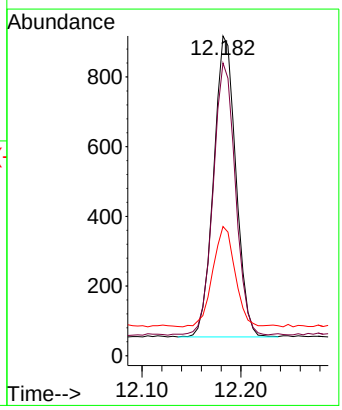


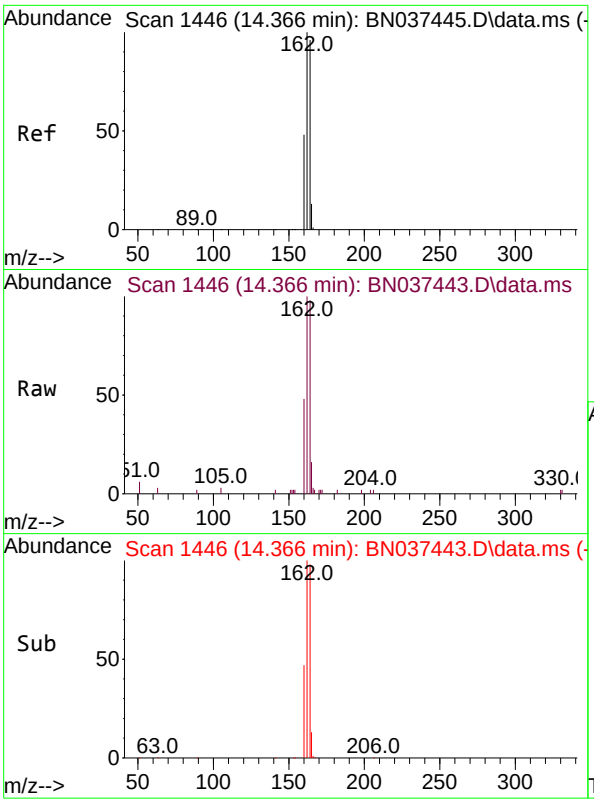


#12
2-Methylnaphthalene
Concen: 0.101 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:142 Resp: 1349

Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.5	105.7
115	40.4	31.3	46.9



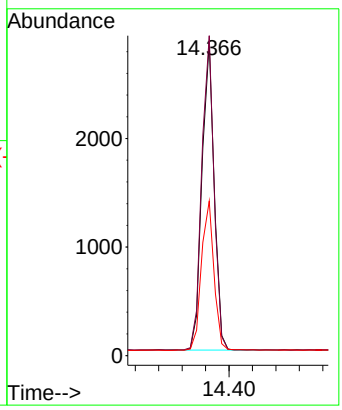


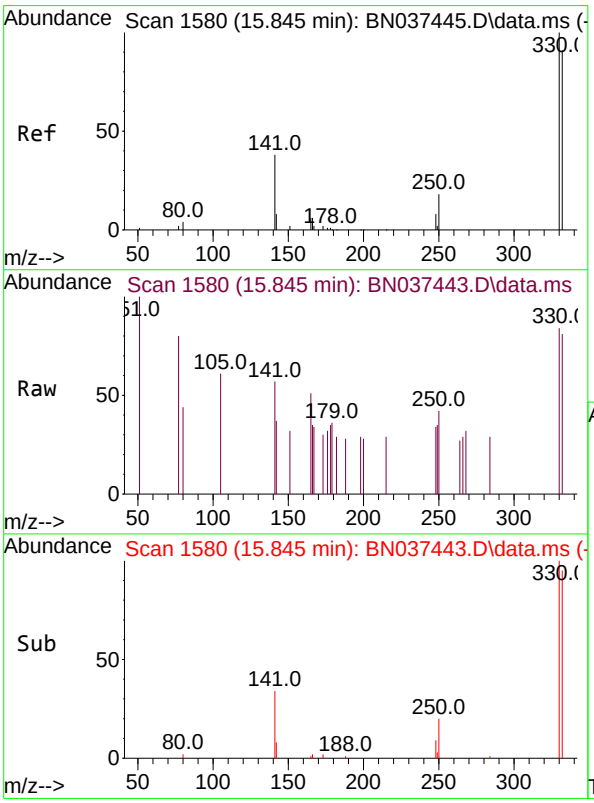
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 4080

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.7	124.1
160	49.3	55.0	82.4#

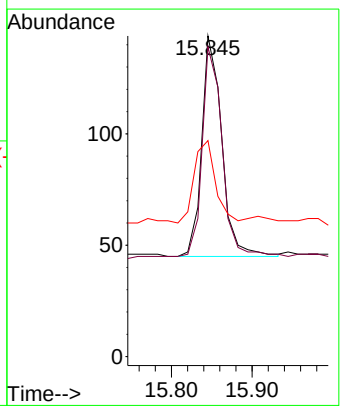


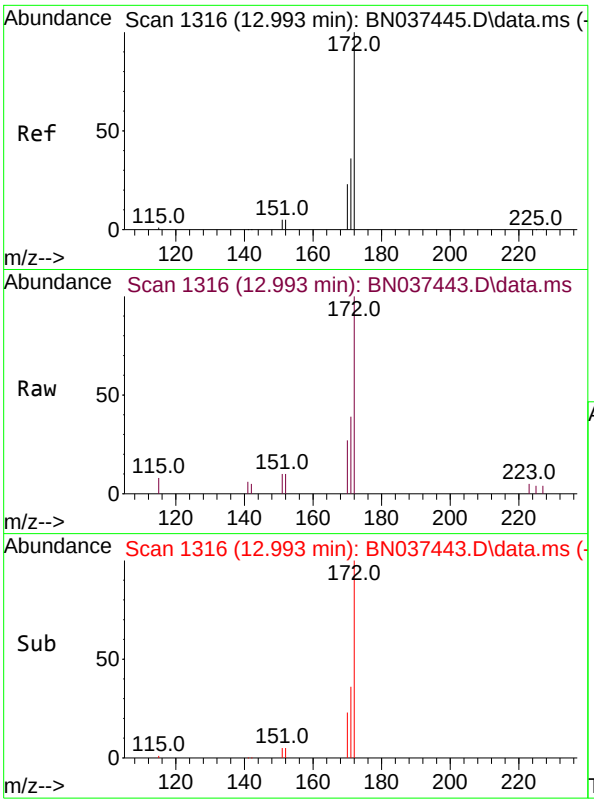


#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:330 Resp: 171

Ion	Ratio	Lower	Upper
330	100		
332	93.6	75.3	112.9
141	39.8	38.7	58.1



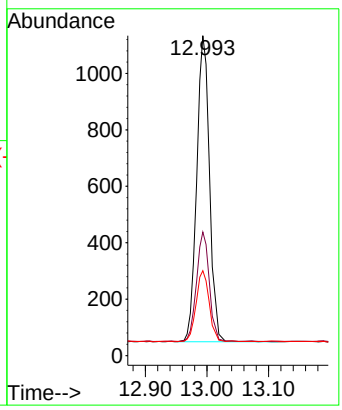


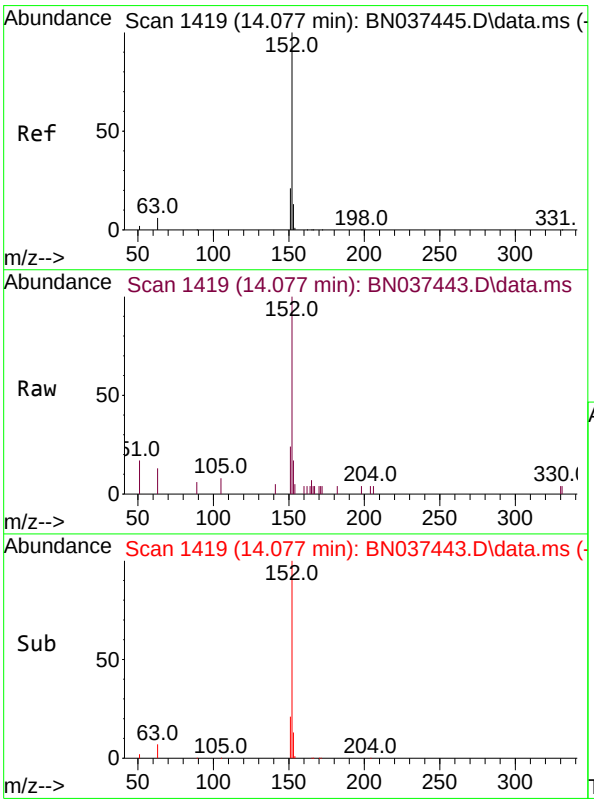
#15
2-Fluorobiphenyl
Concen: 0.098 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 2288

Ion	Ratio	Lower	Upper
172	100		
171	38.6	28.4	42.6
170	26.5	18.7	28.1

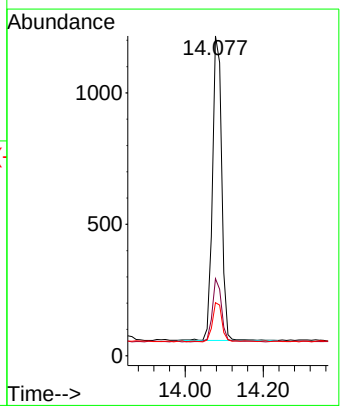


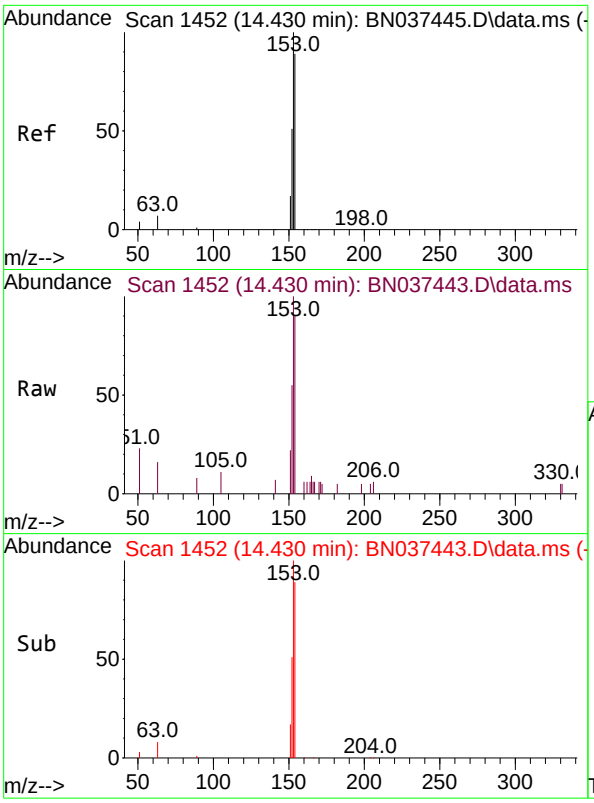


#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.011 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:152 Resp: 1907

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.1	24.1
153	13.4	10.6	16.0



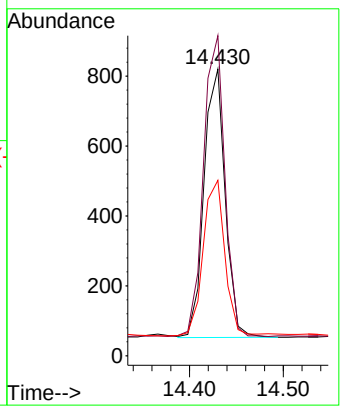


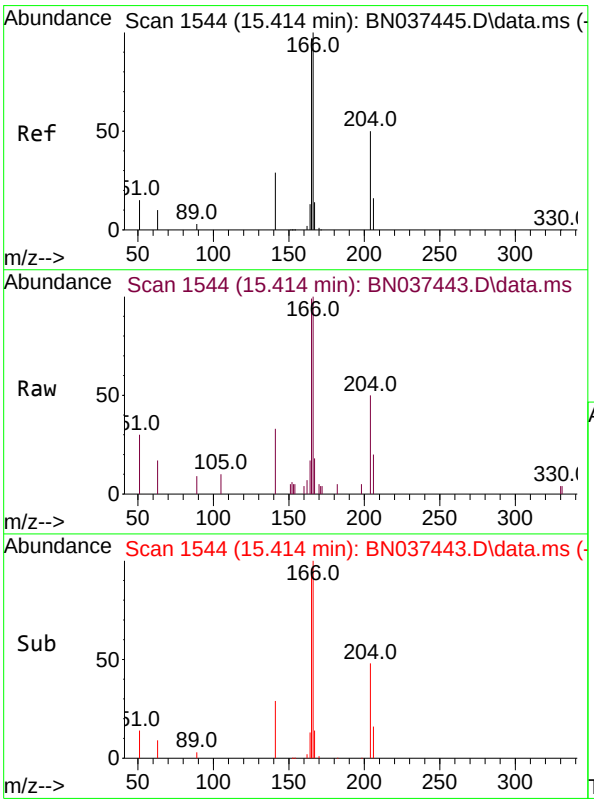
#17
Acenaphthene
Concen: 0.091 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1206

Ion	Ratio	Lower	Upper
154	100		
153	114.6	90.7	136.1
152	59.3	58.9	88.3

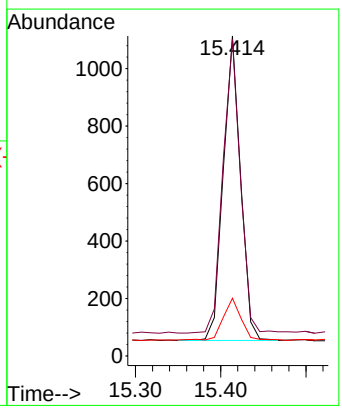


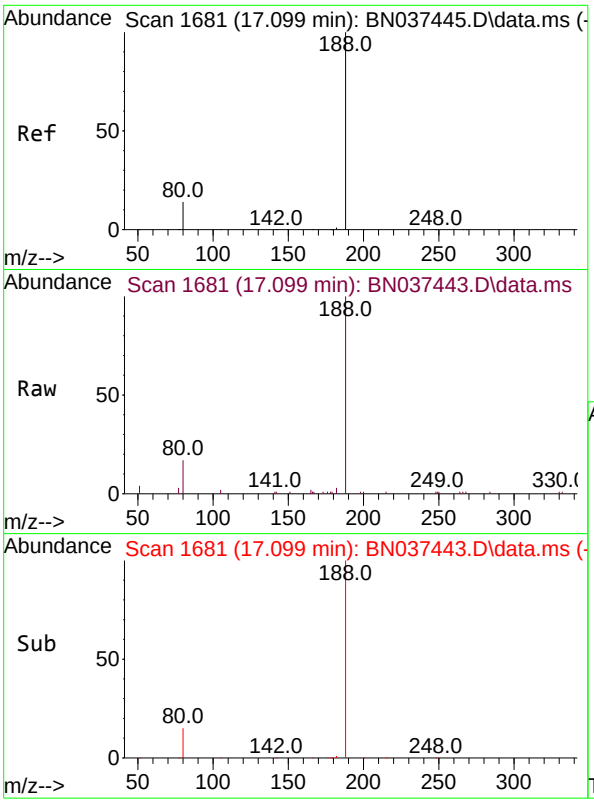


#18
Fluorene
Concen: 0.089 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:166 Resp: 1496

Ion	Ratio	Lower	Upper
166	100		
165	98.1	81.8	122.8
167	14.9	11.3	16.9



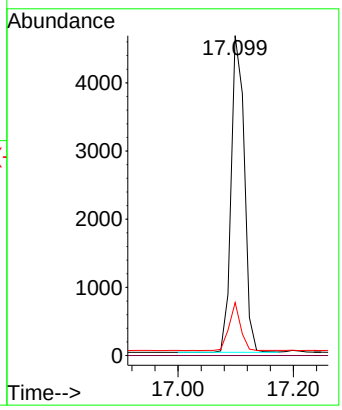


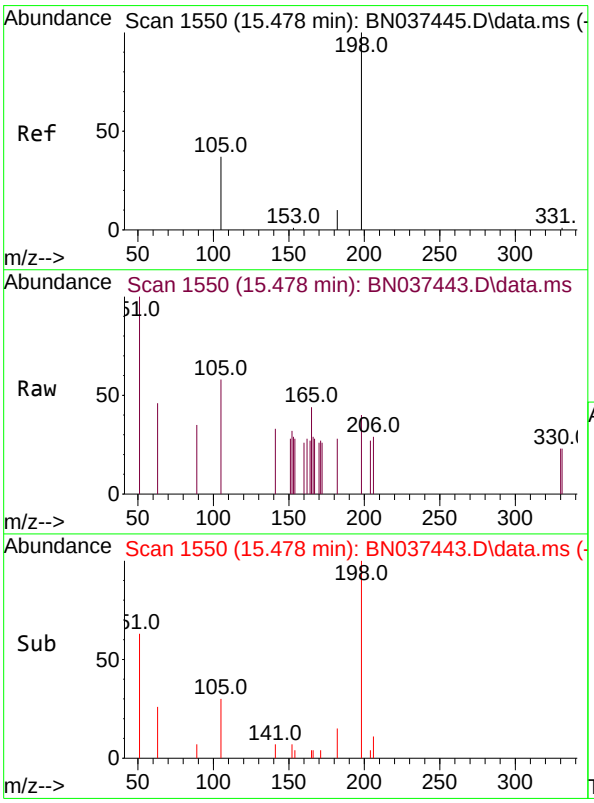
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 7362

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.6	7.8	11.6#

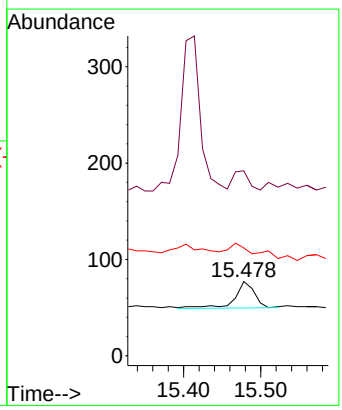


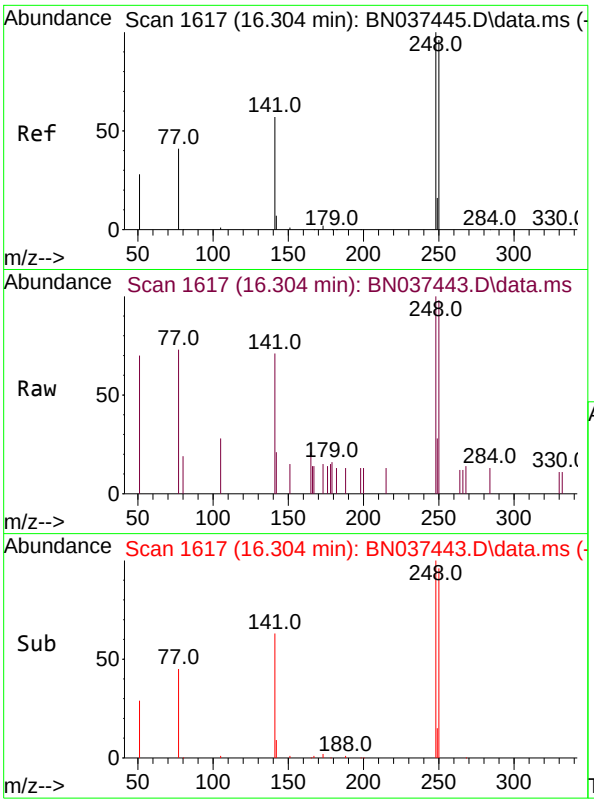


#20
4,6-Dinitro-2-methylphenol
Concen: 0.076 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:198 Resp: 50

Ion	Ratio	Lower	Upper
198	100		
51	249.4	145.5	218.3#
105	145.5	64.2	96.4#



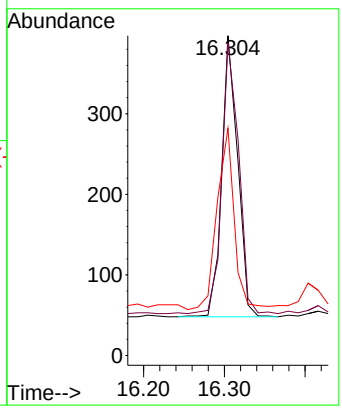


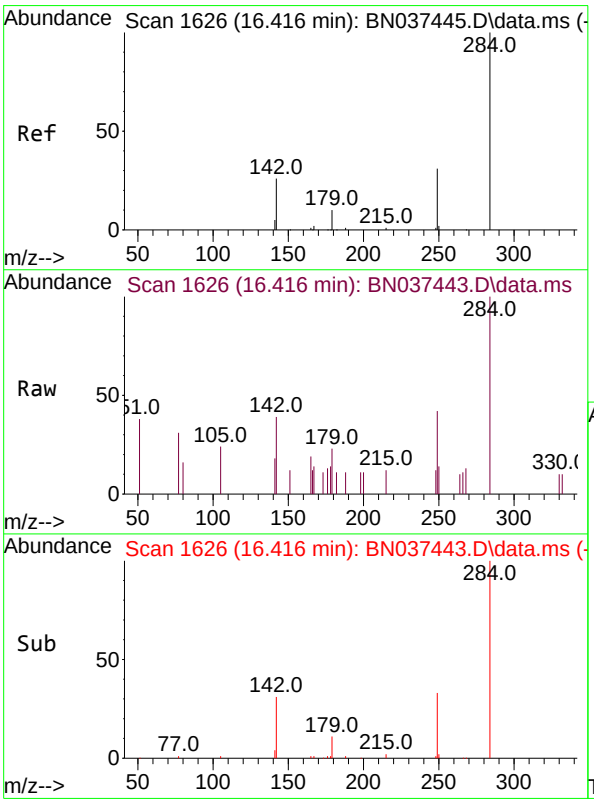
#21
4-Bromophenyl-phenylether
Concen: 0.100 ng
RT: 16.304 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 477

Ion	Ratio	Lower	Upper
248	100		
250	97.7	83.9	125.9
141	71.0	29.4	44.0#

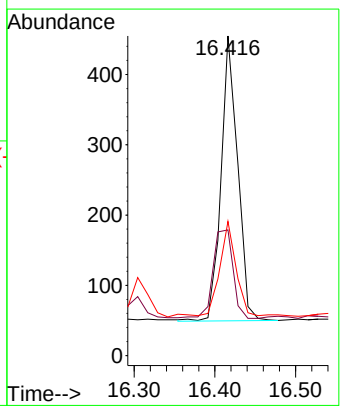


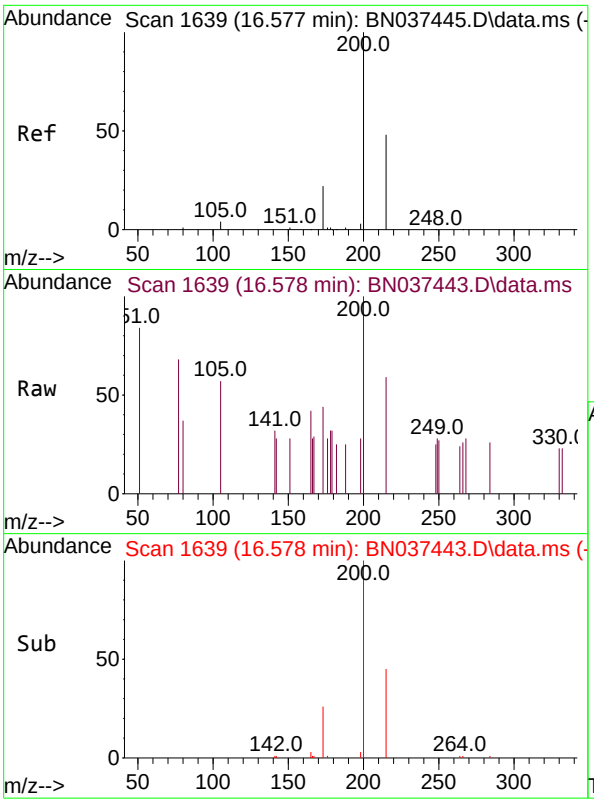


#22
Hexachlorobenzene
Concen: 0.097 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:284 Resp: 577

Ion	Ratio	Lower	Upper
284	100		
142	37.1	38.9	58.3#
249	33.1	27.3	40.9



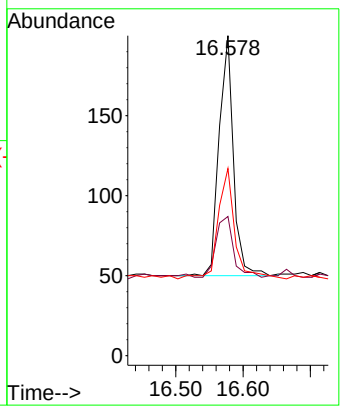


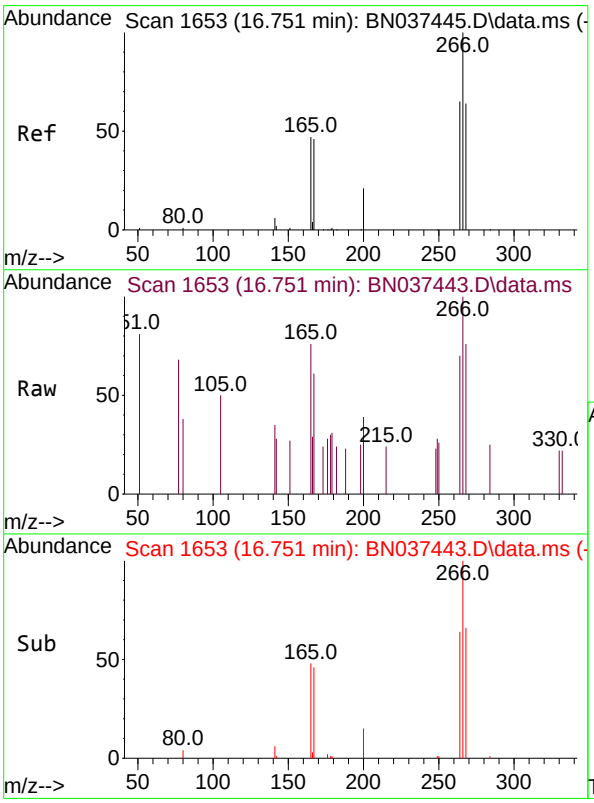
#23
Atrazine
Concen: 0.169 ng
RT: 16.578 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 223

Ion	Ratio	Lower	Upper
200	100		
173	43.5	28.4	42.6#
215	58.5	42.0	63.0

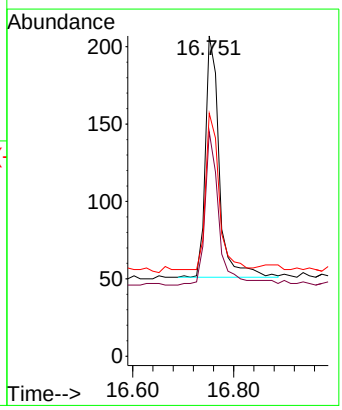


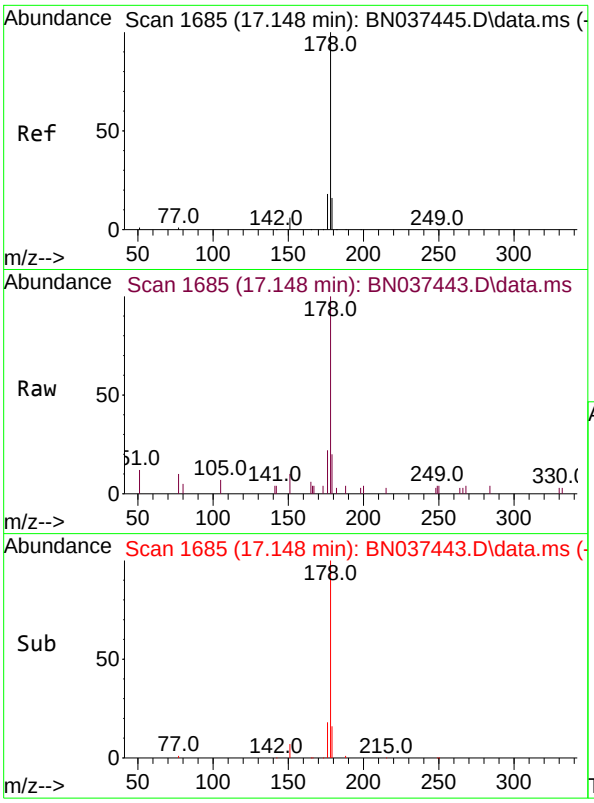


#24
Pentachlorophenol
Concen: 0.269 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:266 Resp: 296

Ion	Ratio	Lower	Upper
266	100		
264	64.5	52.4	78.6
268	62.5	53.9	80.9



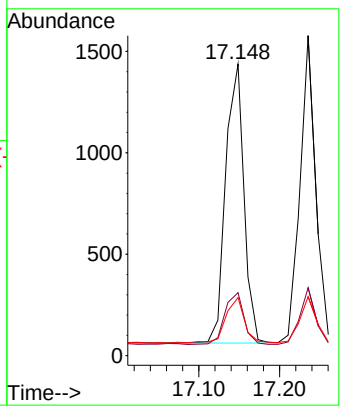


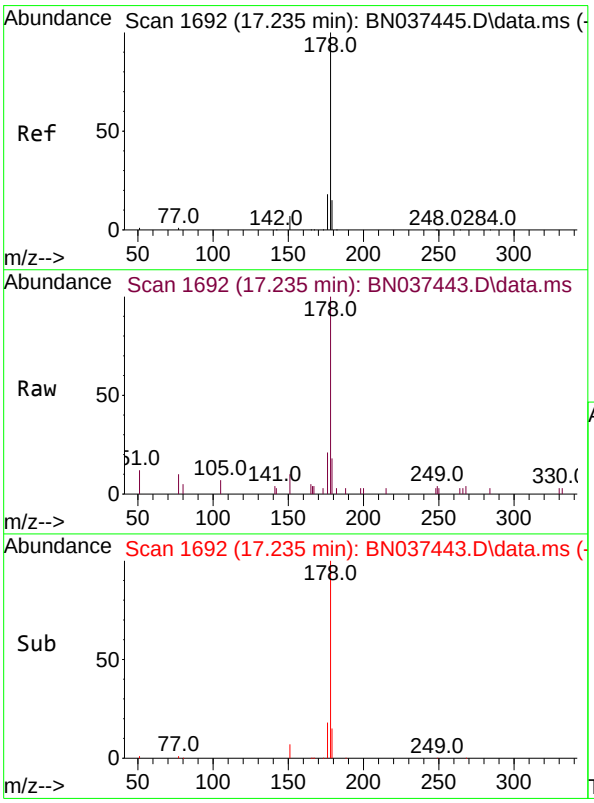
#25
Phenanthrene
Concen: 0.088 ng
RT: 17.148 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2163

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	17.0	12.2	18.4

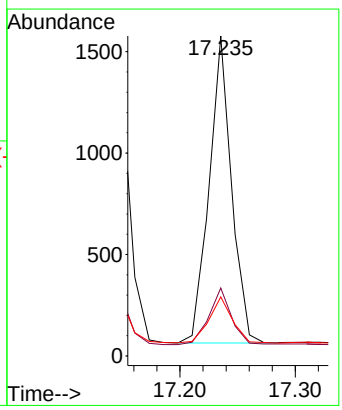


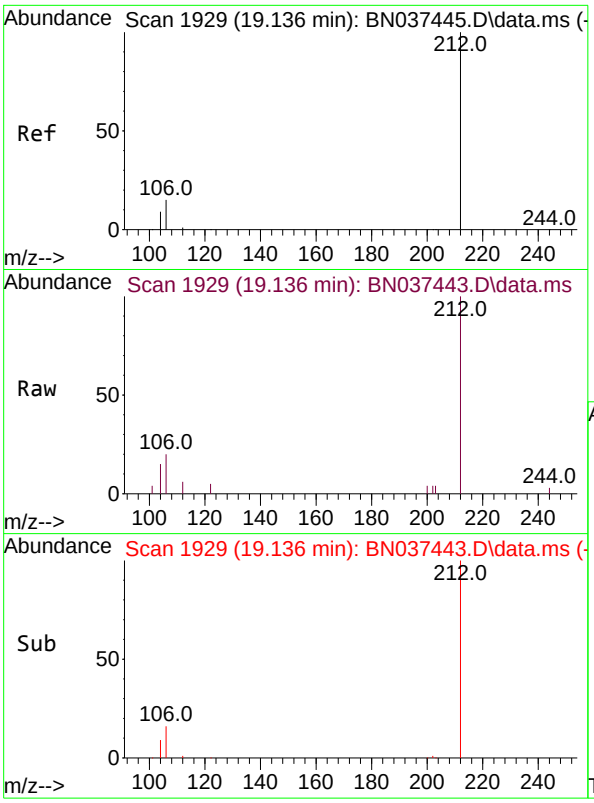


#26
Anthracene
Concen: 0.093 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:178 Resp: 2041

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.6	12.1	18.1



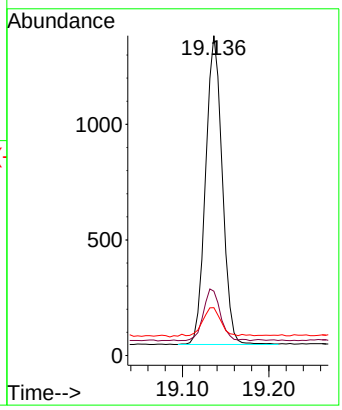


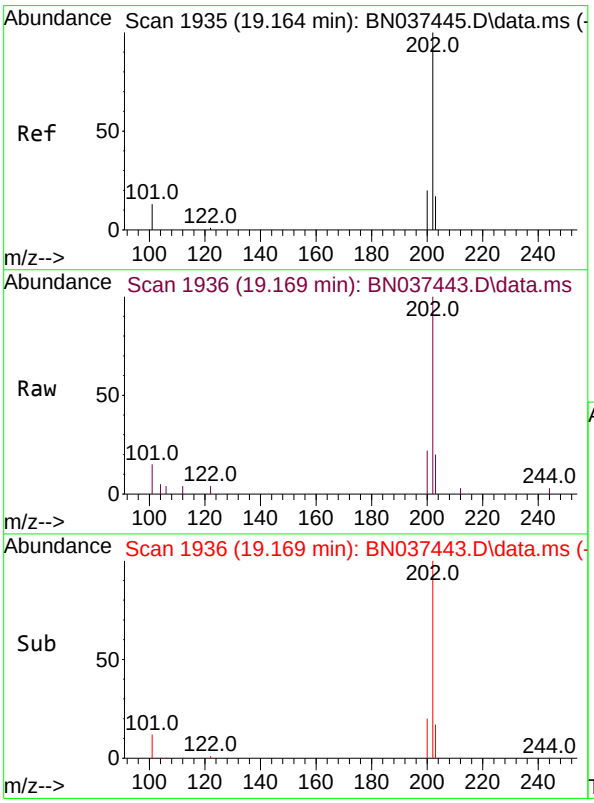
#27
Fluoranthene-d10
Concen: 0.095 ng
RT: 19.136 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 1787

Ion	Ratio	Lower	Upper
212	100		
106	17.1	13.4	20.0
104	11.1	7.8	11.6

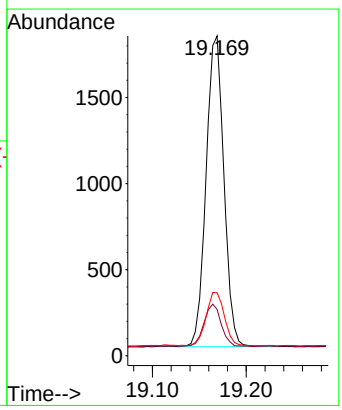


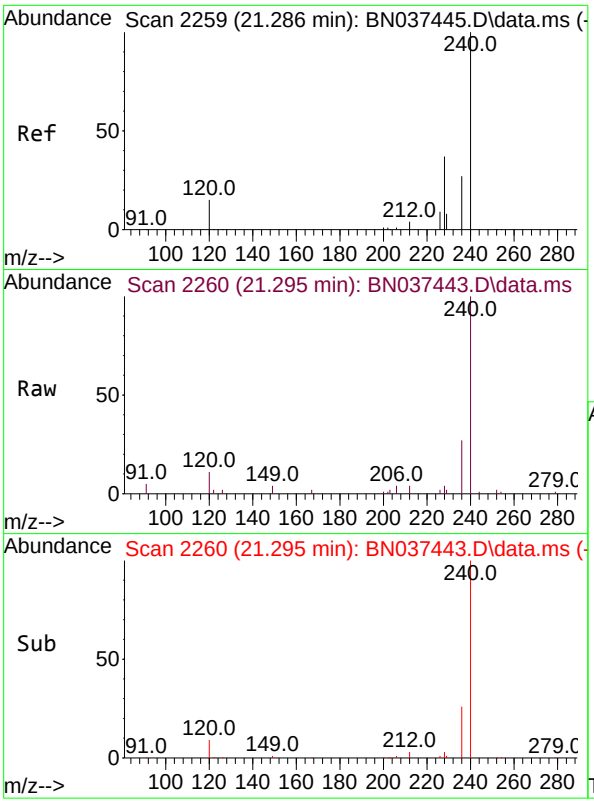


#28
Fluoranthene
Concen: 0.090 ng
RT: 19.169 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:202 Resp: 2379

Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.2	15.2
203	17.6	13.8	20.8



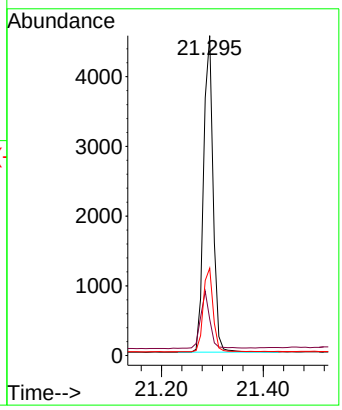


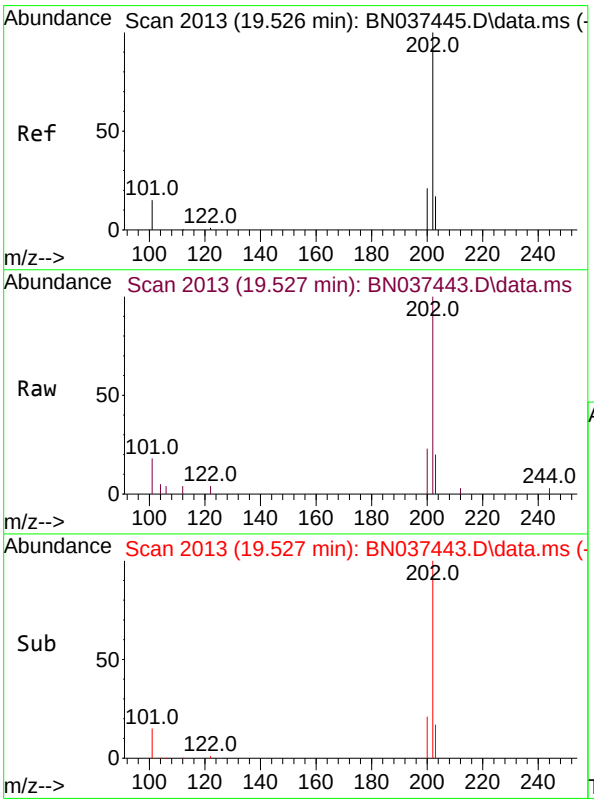
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 5903

Ion	Ratio	Lower	Upper
240	100		
120	11.4	16.4	24.6#
236	27.3	23.3	34.9

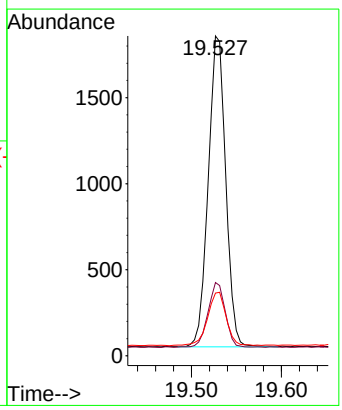


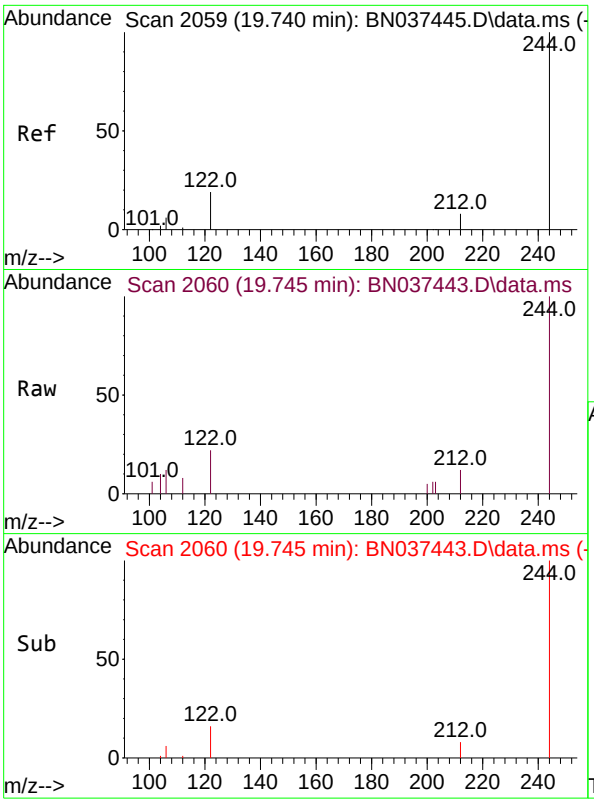


#30
Pyrene
Concen: 0.091 ng
RT: 19.527 min Scan# 2013
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:202 Resp: 2438

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.9	25.3
203	18.4	14.2	21.4



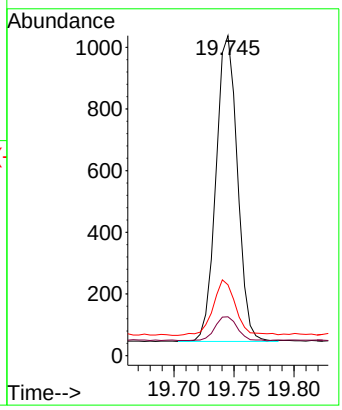


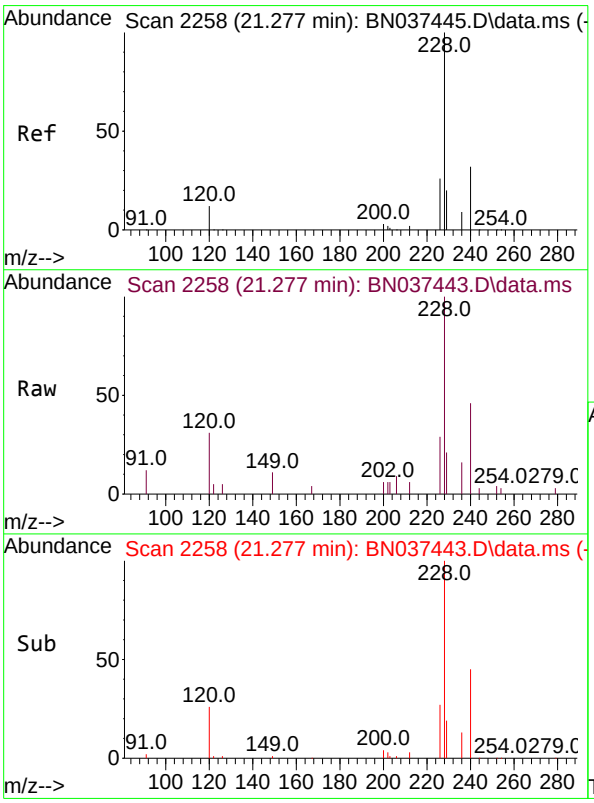
#31
Terphenyl-d14
Concen: 0.097 ng
RT: 19.745 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 1233

Ion	Ratio	Lower	Upper
244	100		
212	12.1	9.0	13.4
122	22.2	15.0	22.4

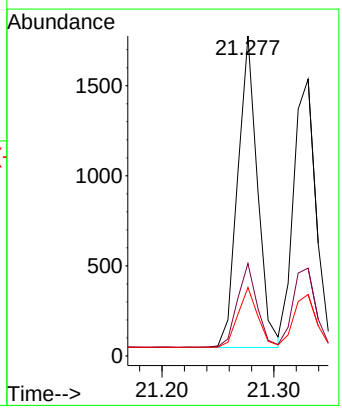


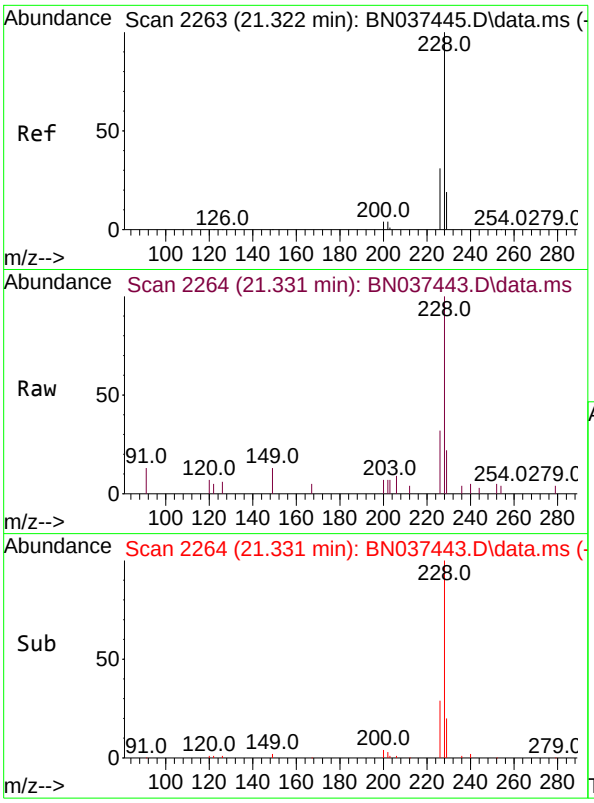


#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:228 Resp: 2122

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.2
229	21.4	16.6	25.0



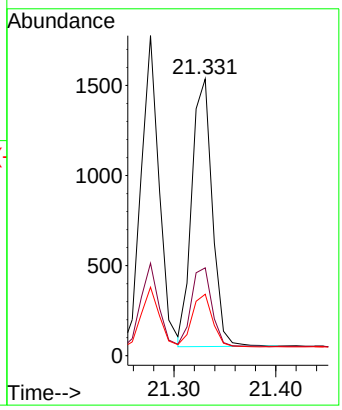


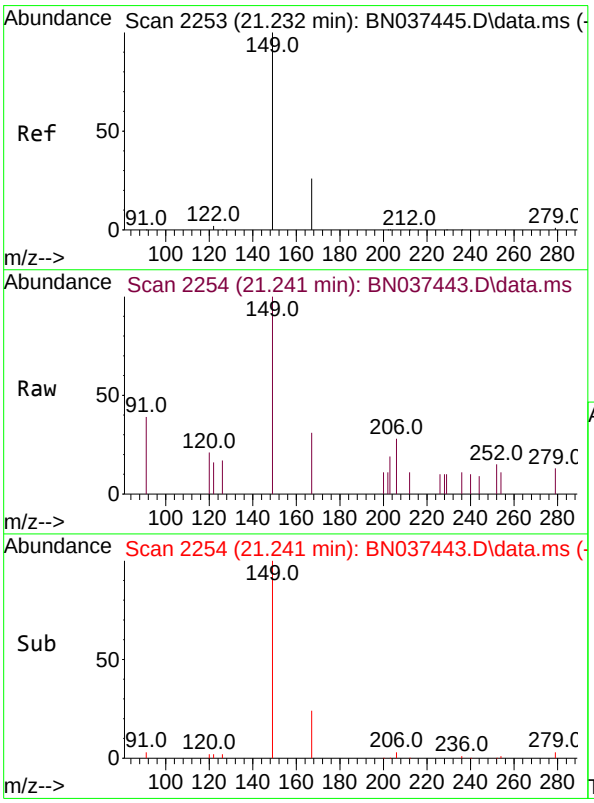
#33
Chrysene
Concen: 0.092 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 2075

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.2	15.8	23.8

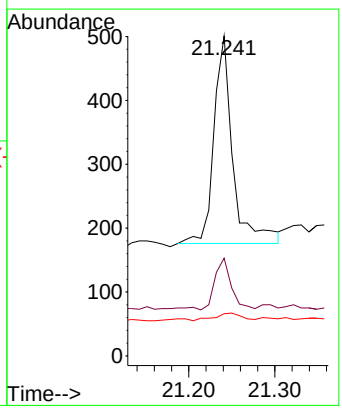


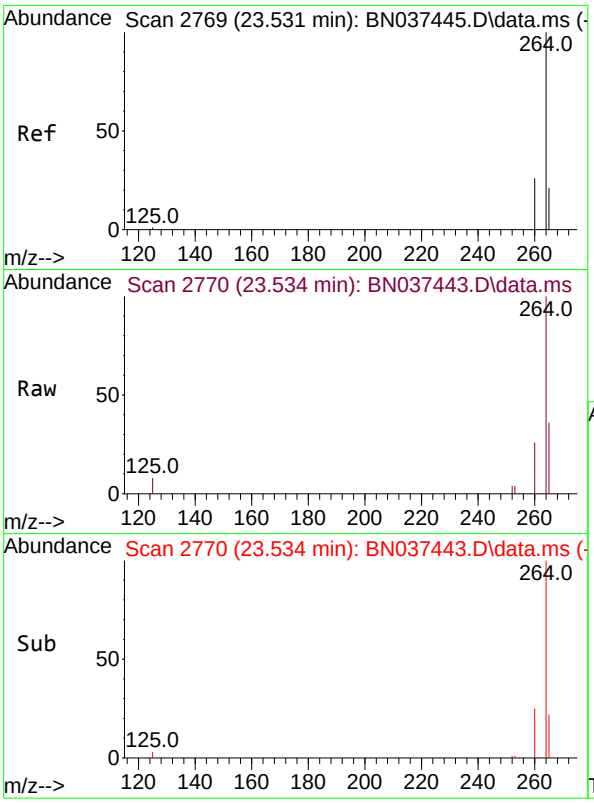


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.102 ng
RT: 21.241 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:149 Resp: 497

Ion	Ratio	Lower	Upper
149	100		
167	21.5	20.6	30.8
279	5.2	2.2	3.2#



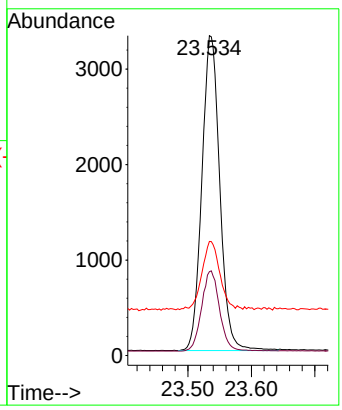


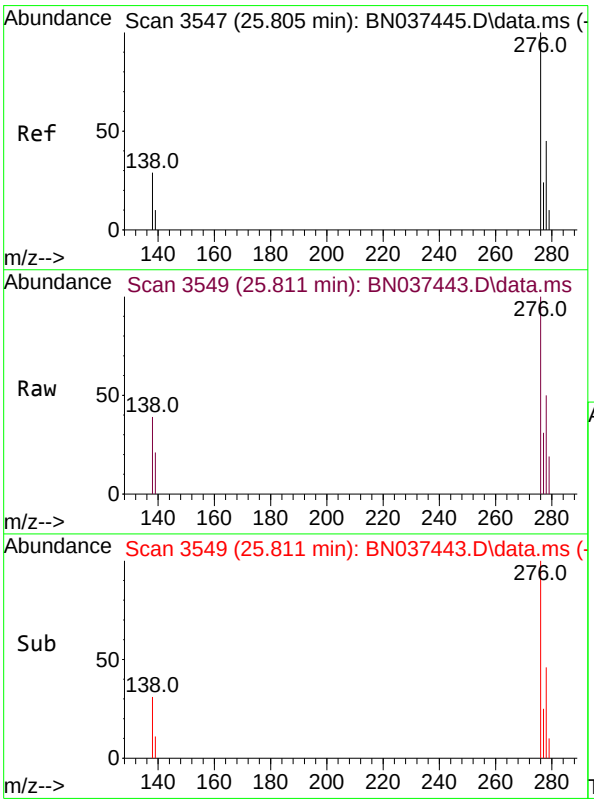
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.534 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 6458

Ion	Ratio	Lower	Upper
264	100		
260	26.2	22.1	33.1
265	35.7	30.1	45.1

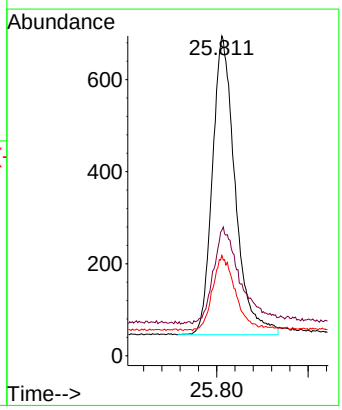


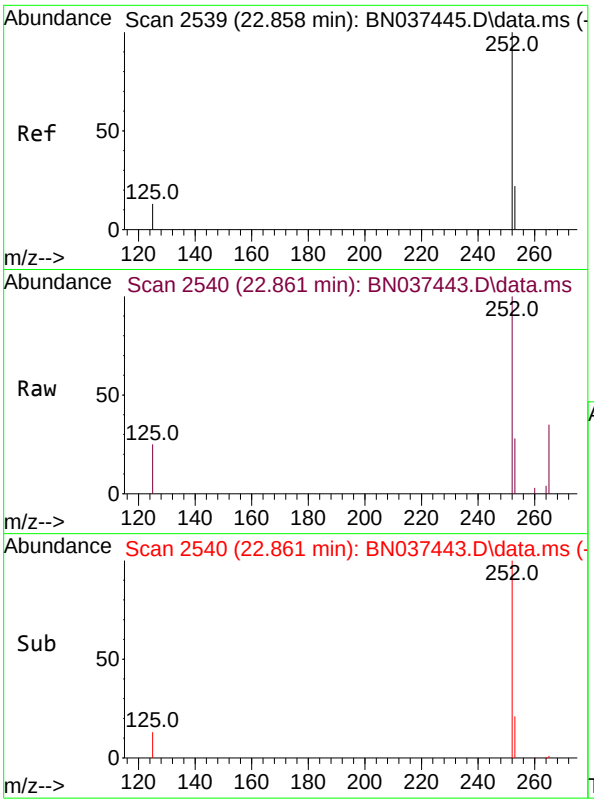


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.091 ng
RT: 25.811 min Scan# 3549
Delta R.T. -0.015 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:276 Resp: 2240

Ion	Ratio	Lower	Upper
276	100		
138	38.1	27.8	41.8
277	24.8	19.8	29.8



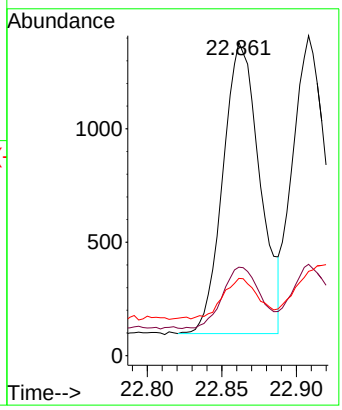


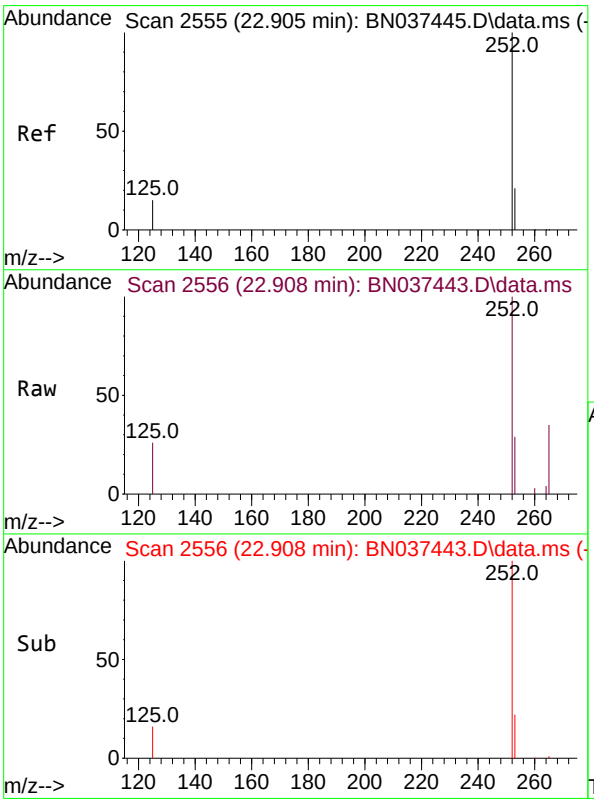
#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.861 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 2210

Ion	Ratio	Lower	Upper
252	100		
253	28.2	19.0	28.6
125	24.7	13.0	19.6#

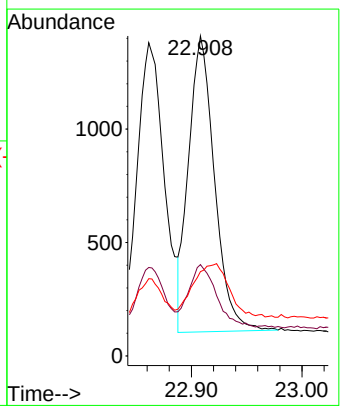


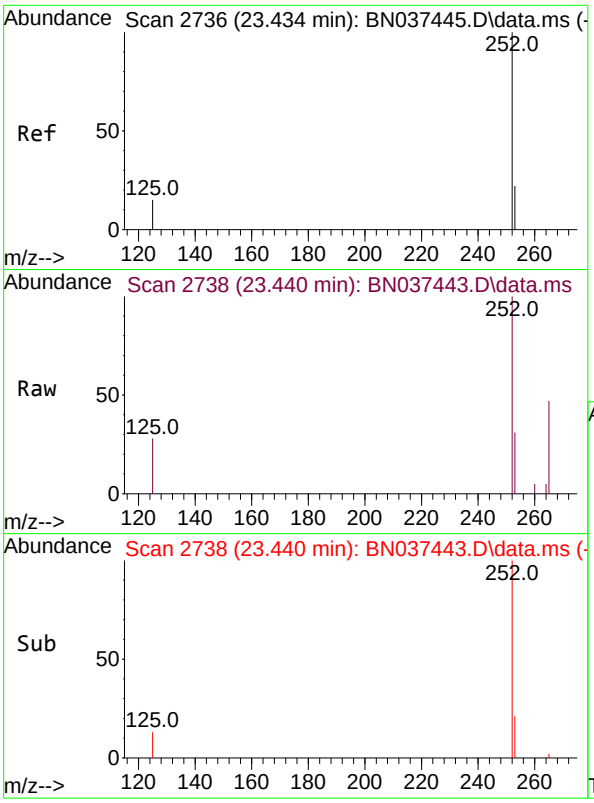


#38
Benzo(k)fluoranthene
Concen: 0.077 ng
RT: 22.908 min Scan# 2556
Delta R.T. -0.009 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:252 Resp: 2131

Ion	Ratio	Lower	Upper
252	100		
253	28.6	19.0	28.6#
125	26.4	13.0	19.6#



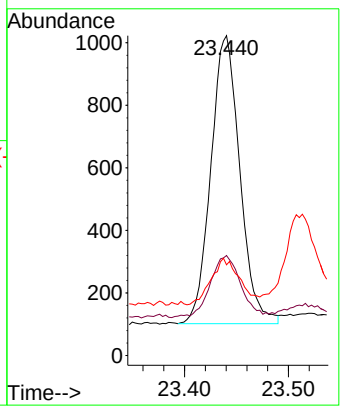


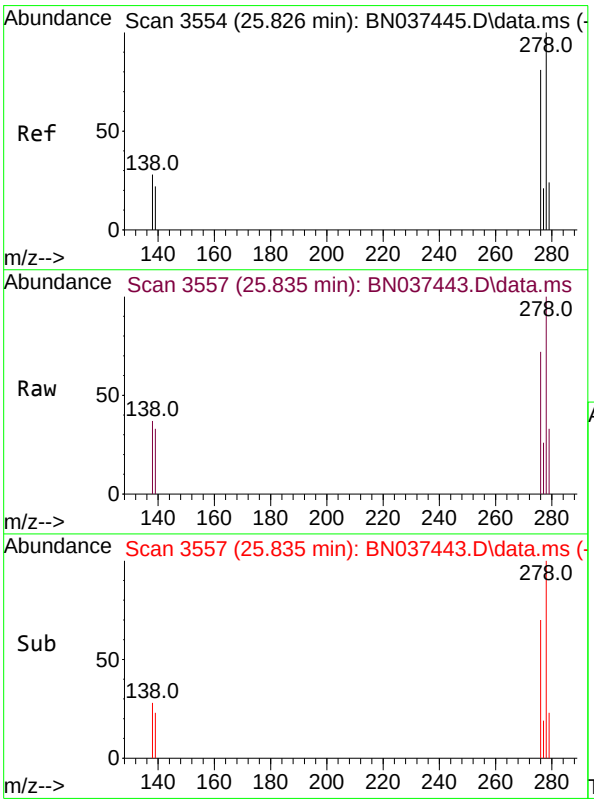
#39
Benzo(a)pyrene
Concen: 0.086 ng
RT: 23.440 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 1790

Ion	Ratio	Lower	Upper
252	100		
253	31.3	19.7	29.5#
125	28.3	15.4	23.0#

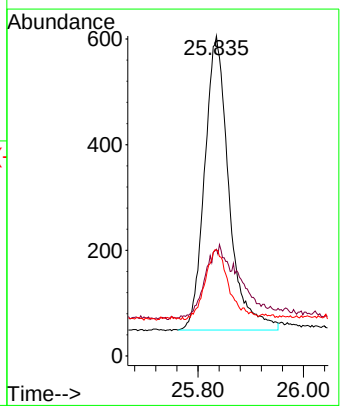


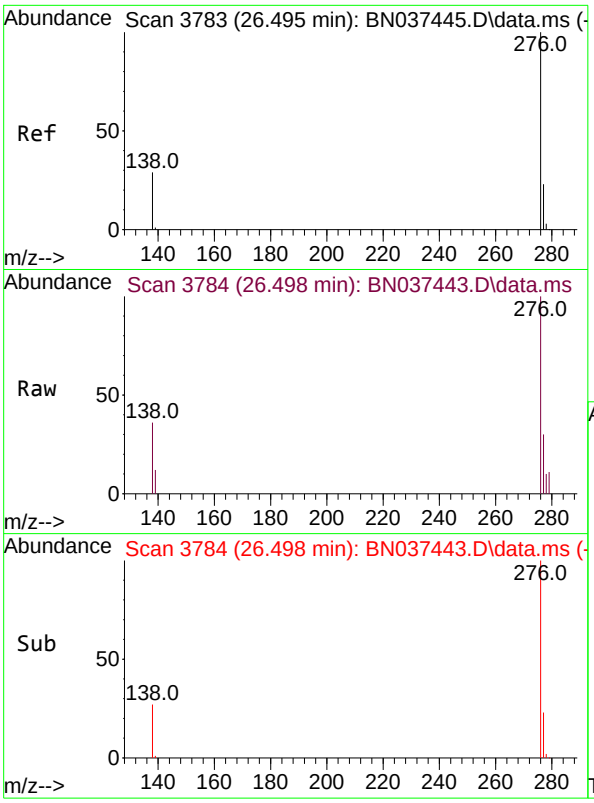


#40
Dibenzo(a,h)anthracene
Concen: 0.098 ng
RT: 25.835 min Scan# 3557
Delta R.T. -0.008 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:278 Resp: 1782

Ion	Ratio	Lower	Upper
278	100		
139	33.3	21.2	31.8#
279	33.2	22.7	34.1





#41
Benzo(g,h,i)perylene
Concen: 0.091 ng
RT: 26.498 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 1973

Ion	Ratio	Lower	Upper
276	100		
277	30.2	19.8	29.8#
138	36.4	25.9	38.9