Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070925\
Data File : BN037444.D
Acq On : 09 Jul 2025 18:13
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jul 10 00:28:13 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	2651	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	6920	0.400	ng	# 0.00
13) Acenaphthene-d10	14.366	164	3517	0.400	ng	# 0.00
19) Phenanthrene-d10	17.099	188	6291	0.400	ng	#-0.01
29) Chrysene-d12	21.286	240	5005	0.400	ng	0.00
35) Perylene-d12	23.534	264	5208	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1460	0.321	ng	0.00
5) Phenol-d6	6.894	99	1785	0.273	ng	0.00
8) Nitrobenzene-d5	8.875	82	889m	0.145	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	1844	0.205	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	272	0.469	ng	-0.01
15) 2-Fluorobiphenyl	12.993	172	3539	0.176	ng	0.00
27) Fluoranthene-d10	19.136	212	3089	0.192	ng	0.00
31) Terphenyl-d14	19.745	244	2083	0.194	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	527	0.195	ng	# 87
3) n-Nitrosodimethylamine	3.564	42	572	0.144	ng	# 68
6) bis(2-Chloroethyl)ether	7.161	93	1443	0.216	ng	90
9) Naphthalene	10.562	128	3646	0.188	ng	95
10) Hexachlorobutadiene	10.872	225	748	0.193	ng	# 99
12) 2-Methylnaphthalene	12.182	142	2348	0.199	ng	98
16) Acenaphthylene	14.078	152	3233	0.181	ng	100
17) Acenaphthene	14.430	154	2044	0.178	ng	93
18) Fluorene	15.414	166	2566	0.177	ng	96
20) 4,6-Dinitro-2-methylph...	15.478	198	81	0.144	ng	# 87
21) 4-Bromophenyl-phenylether	16.305	248	804	0.198	ng	# 83
22) Hexachlorobenzene	16.416	284	999	0.197	ng	# 90
23) Atrazine	16.578	200	376	0.333	ng	97
24) Pentachlorophenol	16.751	266	416	0.443	ng	96
25) Phenanthrene	17.149	178	3776	0.179	ng	99
26) Anthracene	17.235	178	3438	0.183	ng	99
28) Fluoranthene	19.164	202	4112	0.182	ng	99
30) Pyrene	19.527	202	4120	0.181	ng	98
32) Benzo(a)anthracene	21.277	228	3501	0.200	ng	100
33) Chrysene	21.322	228	3565	0.186	ng	99
34) Bis(2-ethylhexyl)phtha...	21.232	149	691	0.167	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.806	276	3623	0.182	ng	98
37) Benzo(b)fluoranthene	22.859	252	3559	0.162	ng	96
38) Benzo(k)fluoranthene	22.905	252	3652m	0.164	ng	
39) Benzo(a)pyrene	23.435	252	2938	0.175	ng	# 93
40) Dibenzo(a,h)anthracene	25.829	278	2856	0.195	ng	99
41) Benzo(g,h,i)perylene	26.496	276	3250	0.185	ng	98

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

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Misc :
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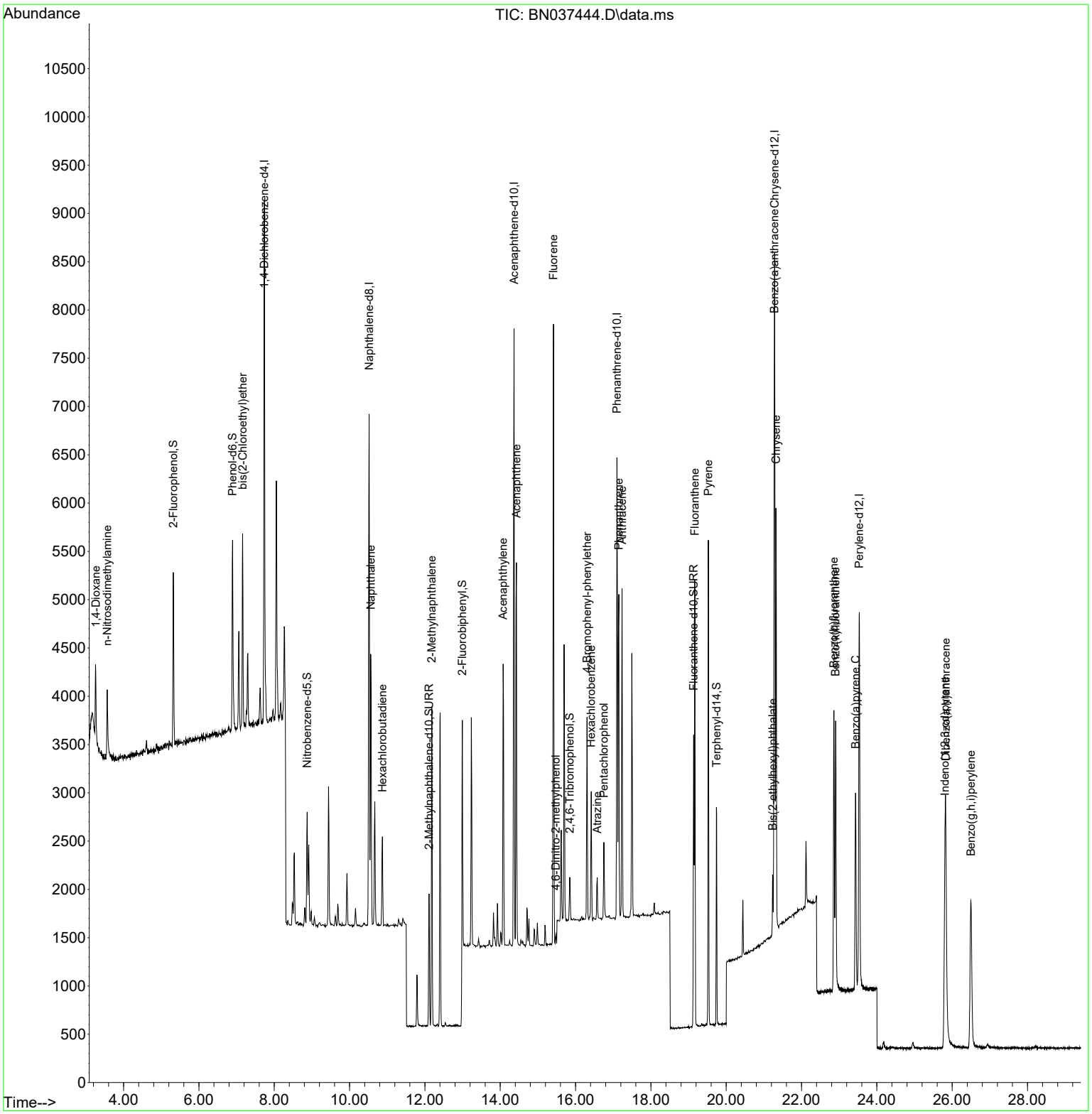
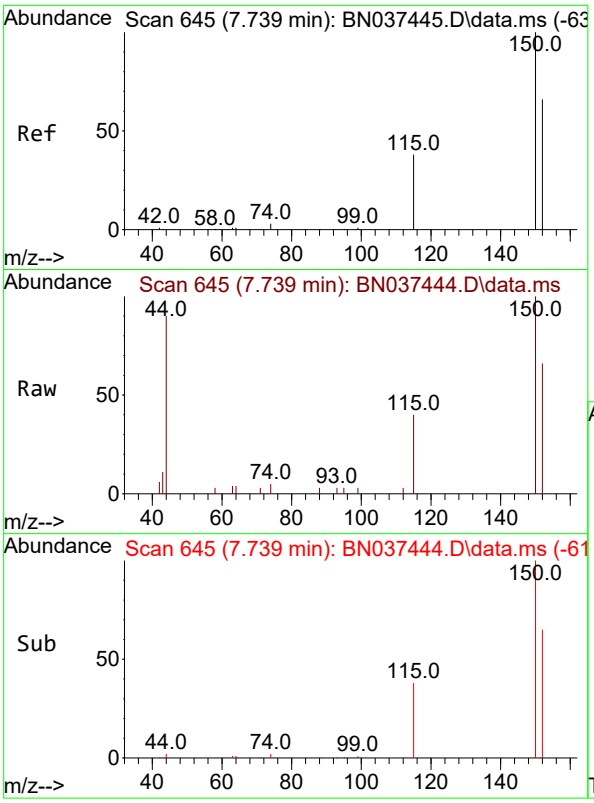
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jul 10 00:28:13 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



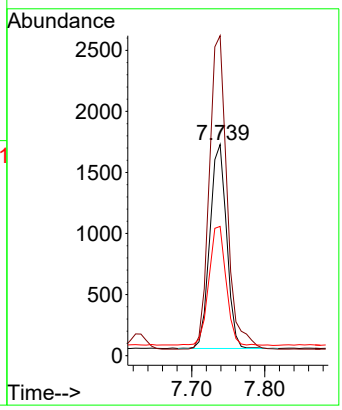


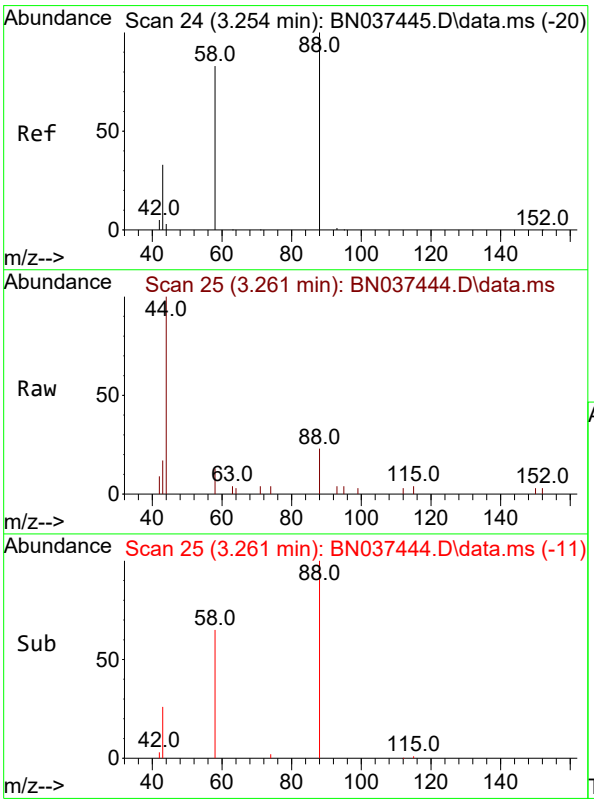
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.739 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2651

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.6	186.8
115	61.2	50.4	75.6

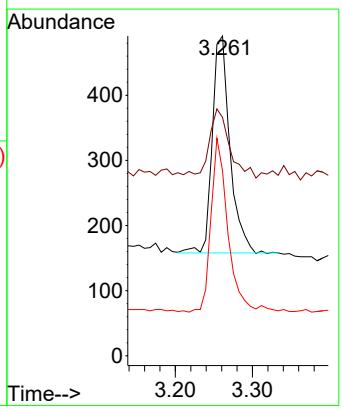


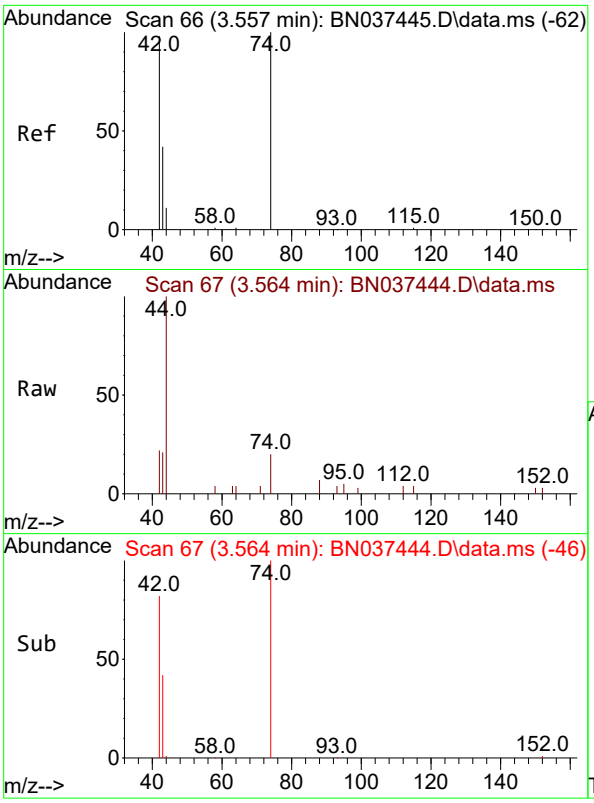


#2
1,4-Dioxane
Concen: 0.195 ng
RT: 3.261 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion: 88 Resp: 527

Ion	Ratio	Lower	Upper
88	100		
43	35.9	37.4	56.2#
58	75.9	69.3	103.9



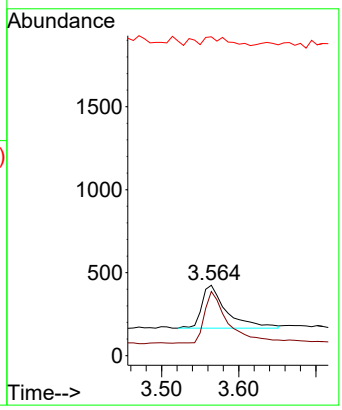


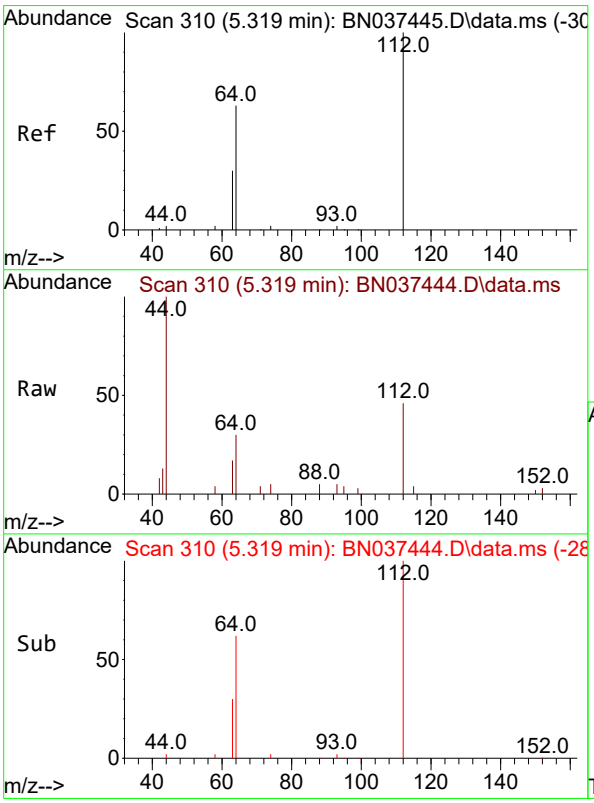
#3
n-Nitrosodimethylamine
Concen: 0.144 ng
RT: 3.564 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 572

Ion	Ratio	Lower	Upper
42	100		
74	116.8	69.9	104.9#
44	18.4	0.0	0.0#

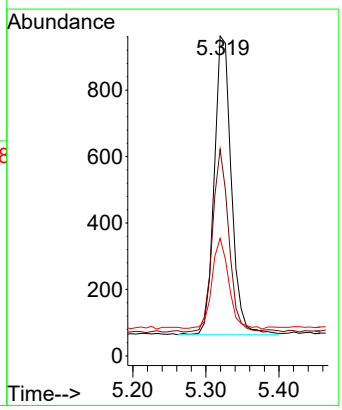


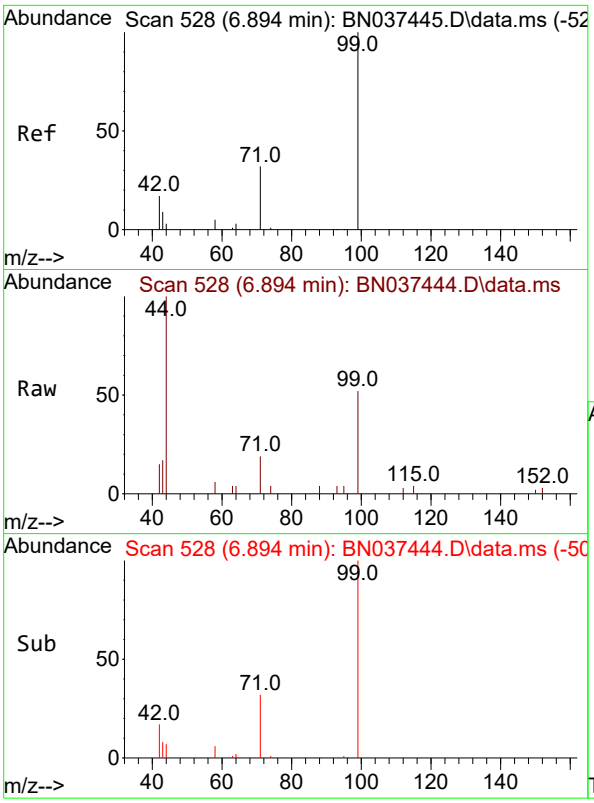


#4
2-Fluorophenol
Concen: 0.321 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.007 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:112 Resp: 1460

Ion	Ratio	Lower	Upper
112	100		
64	58.0	49.4	74.2
63	29.7	27.2	40.8



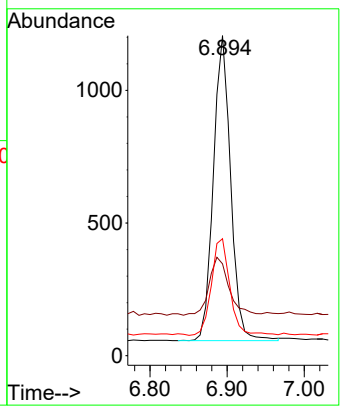


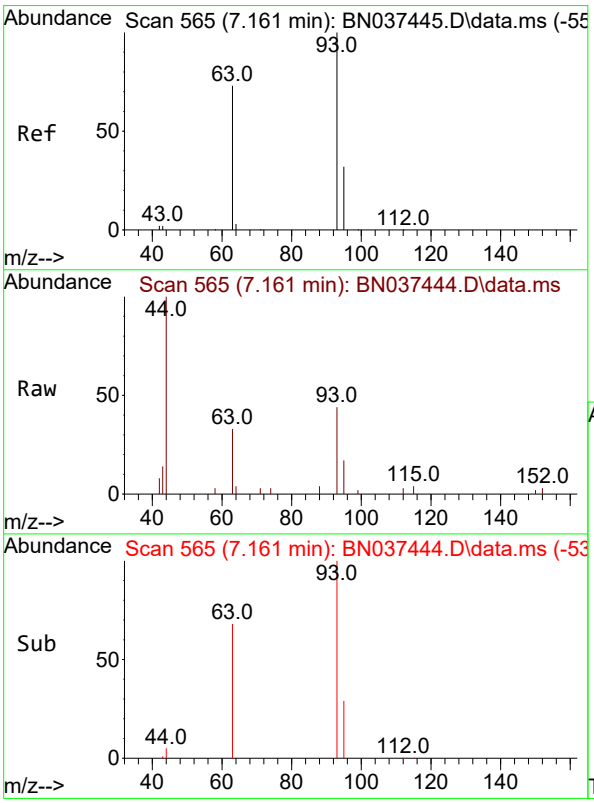
#5
Phenol-d6
Concen: 0.273 ng
RT: 6.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1785

Ion	Ratio	Lower	Upper
99	100		
42	21.7	22.5	33.7#
71	33.9	27.8	41.6

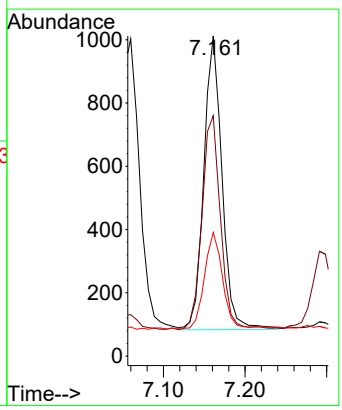


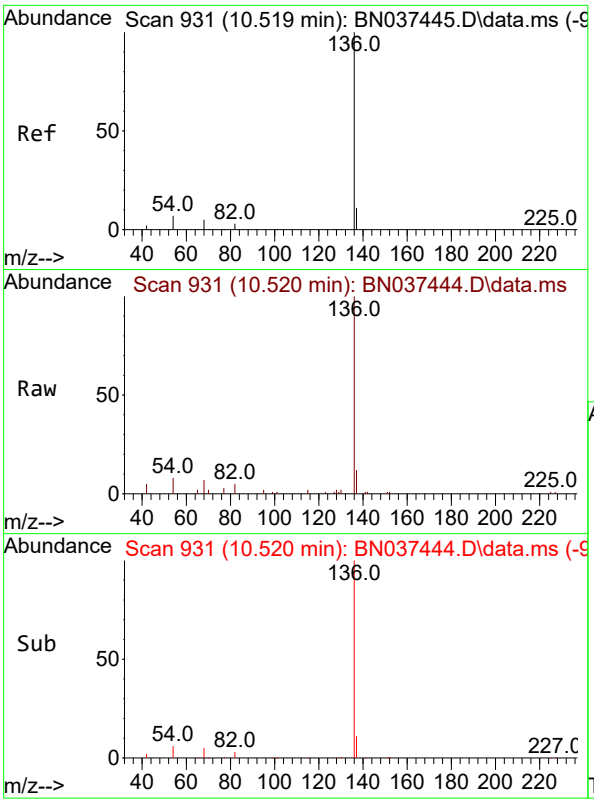


#6
bis(2-Chloroethyl)ether
Concen: 0.216 ng
RT: 7.161 min Scan# 565
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion: 93 Resp: 1443

Ion	Ratio	Lower	Upper
93	100		
63	73.8	69.0	103.6
95	33.8	26.3	39.5



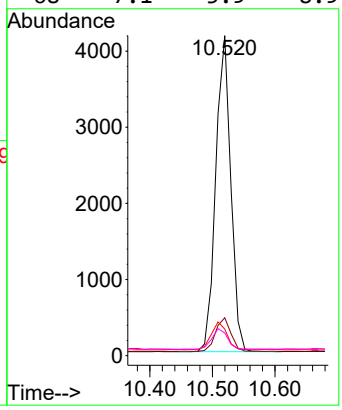


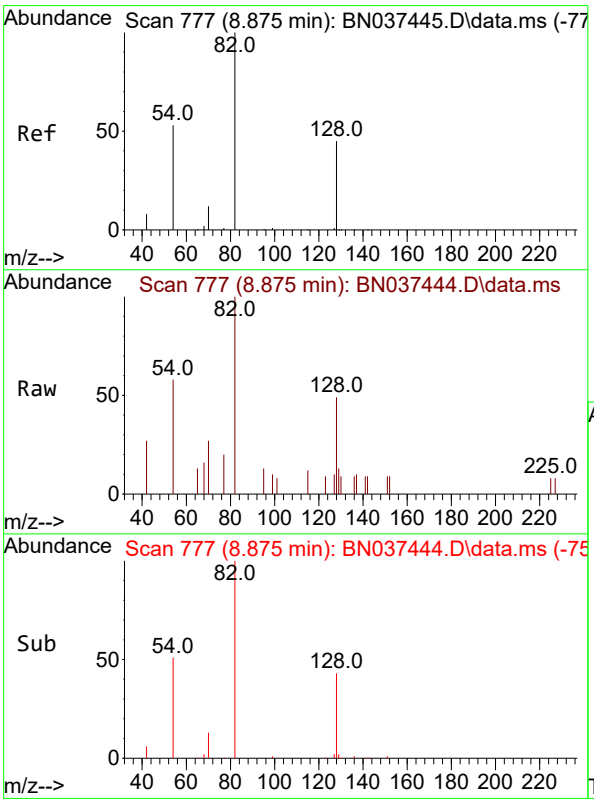
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 6920

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	8.3	8.8	13.2#
68	7.1	5.9	8.9

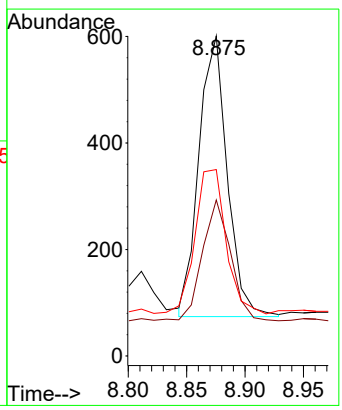


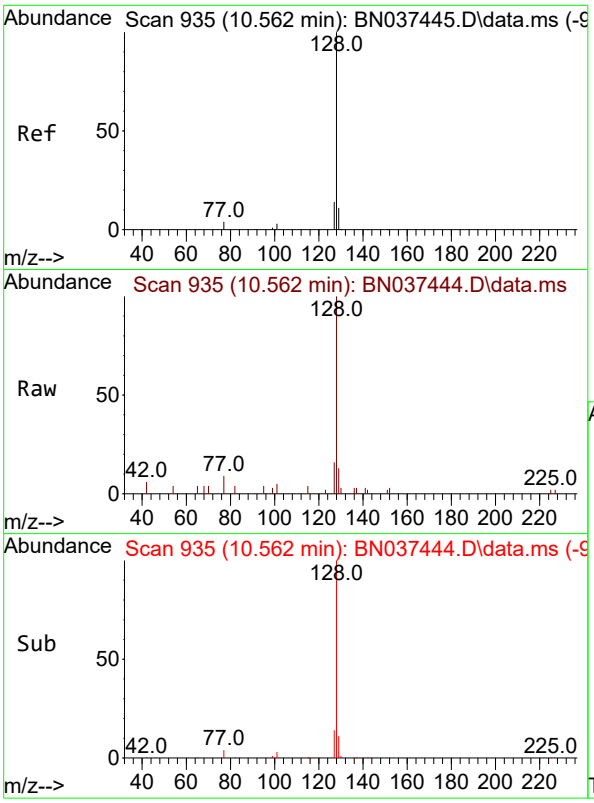


#8
Nitrobenzene-d5
Concen: 0.145 ng m
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion: 82 Resp: 889

Ion	Ratio	Lower	Upper
82	100		
128	48.8	31.4	47.0#
54	58.2	51.3	76.9



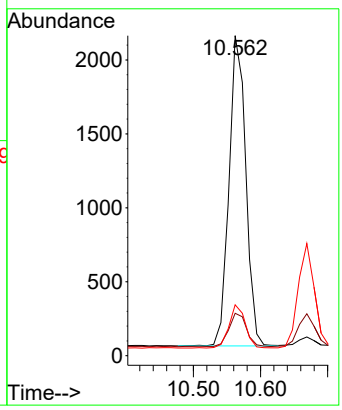


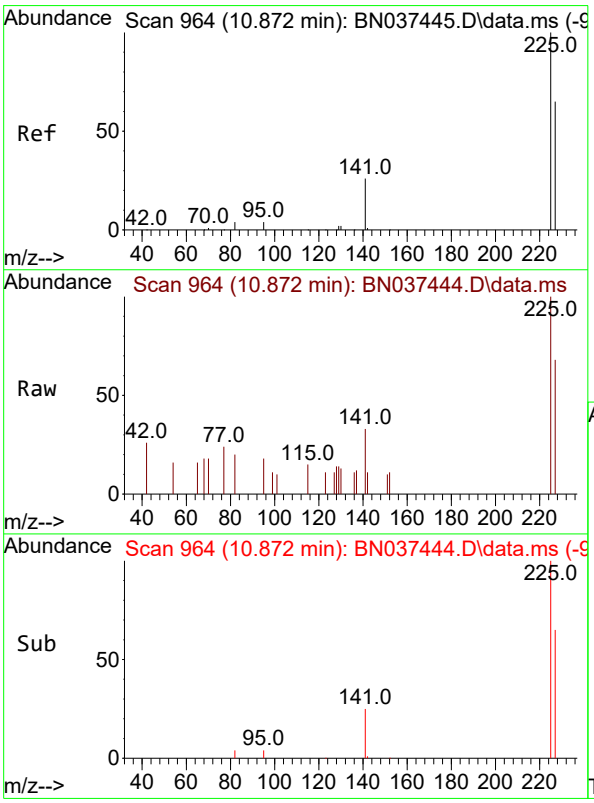
#9
Naphthalene
Concen: 0.188 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.010 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 3646

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.3	13.9
127	15.9	11.1	16.7

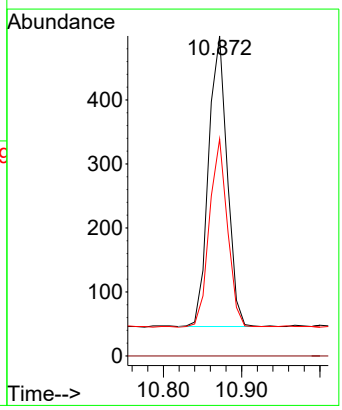


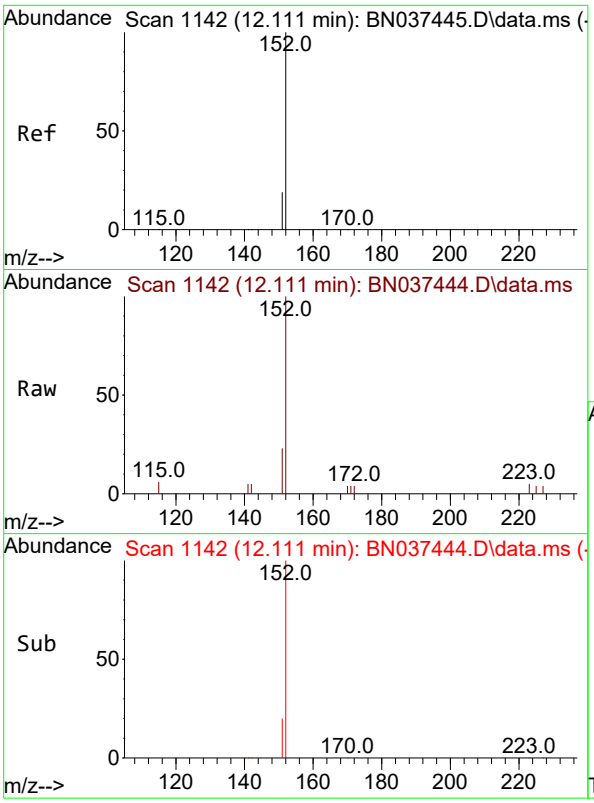


#10
Hexachlorobutadiene
Concen: 0.193 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:225 Resp: 748

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.0	76.6



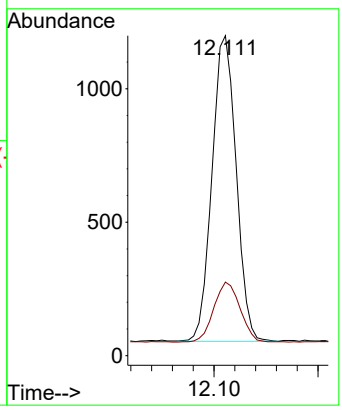


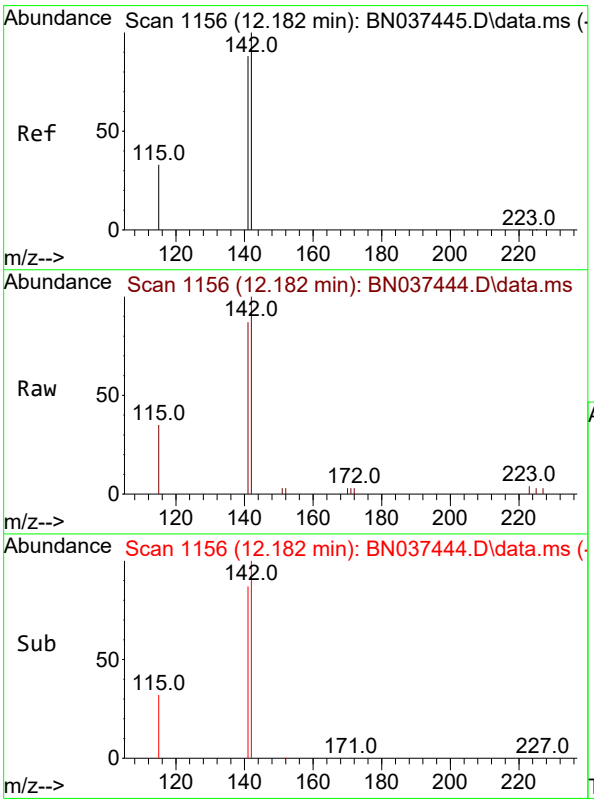
#11
2-Methylnaphthalene-d10
Concen: 0.205 ng
RT: 12.111 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1844

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.7	25.1

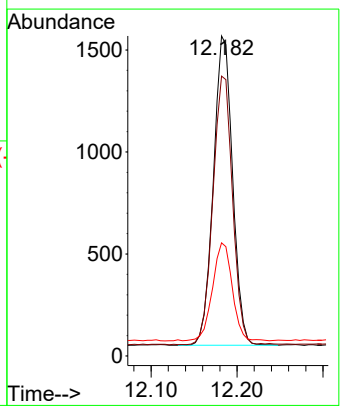


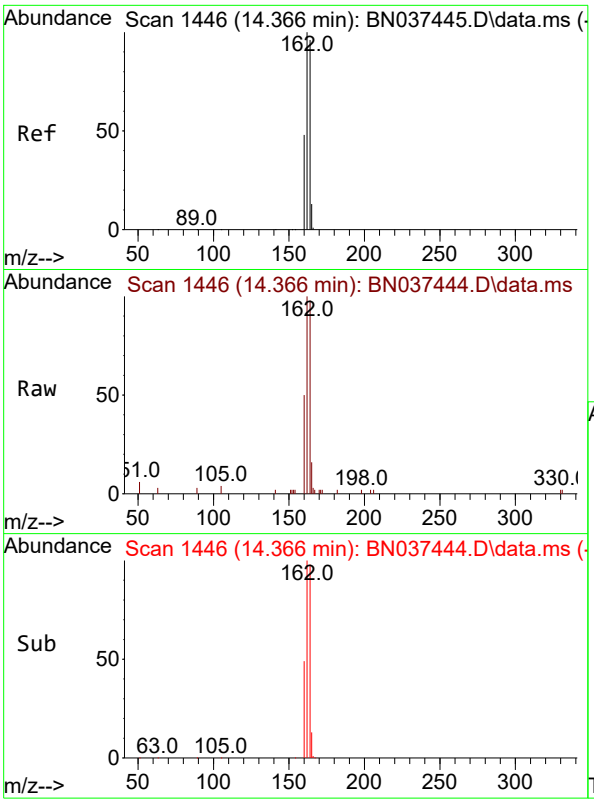


#12
2-Methylnaphthalene
Concen: 0.199 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:142 Resp: 2348

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.5	105.7
115	35.4	31.3	46.9



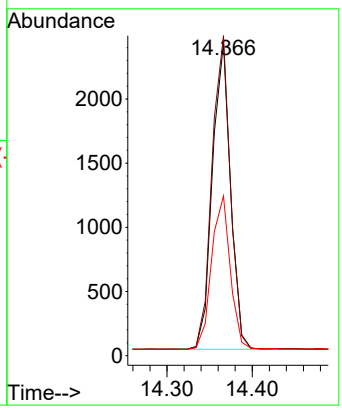


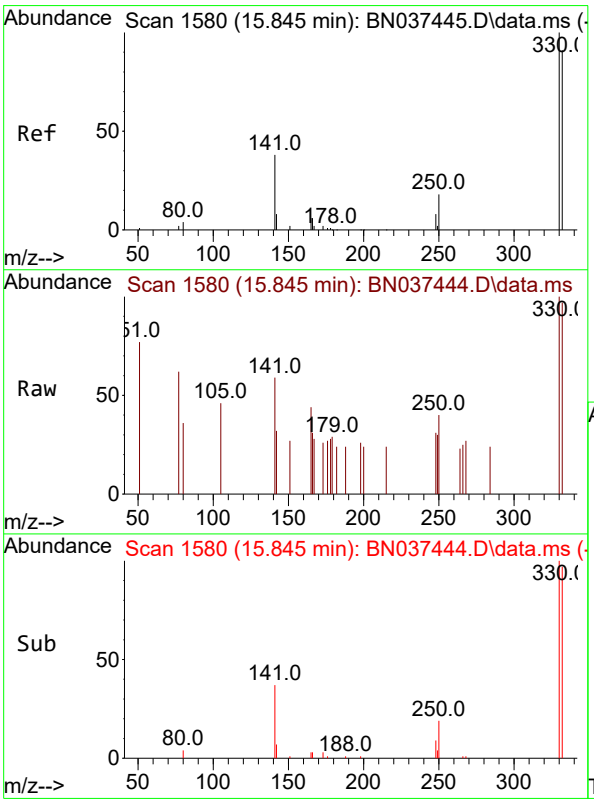
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 3517

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.7	124.1
160	51.1	55.0	82.4#

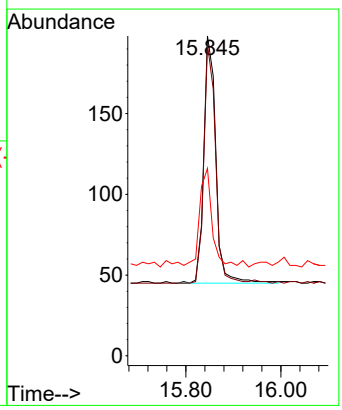


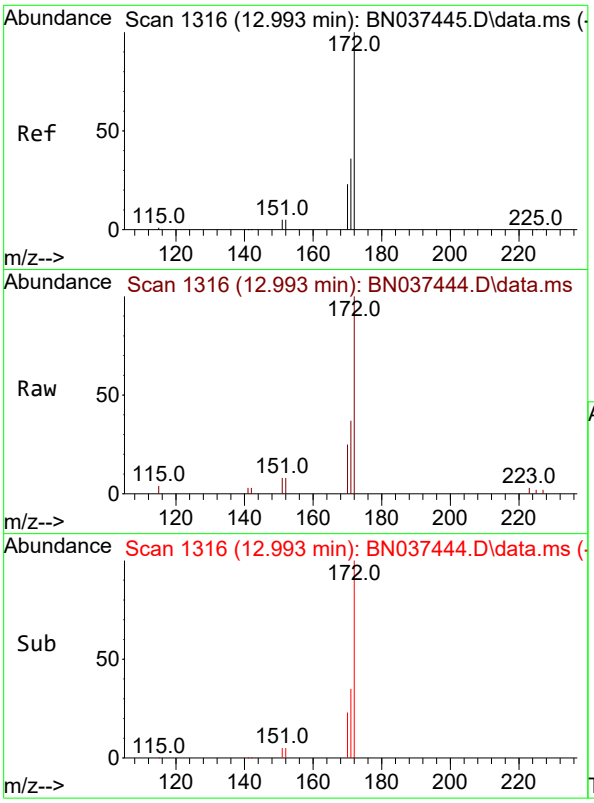


#14
2,4,6-Tribromophenol
Concen: 0.469 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:330 Resp: 272

Ion	Ratio	Lower	Upper
330	100		
332	92.6	75.3	112.9
141	39.7	38.7	58.1



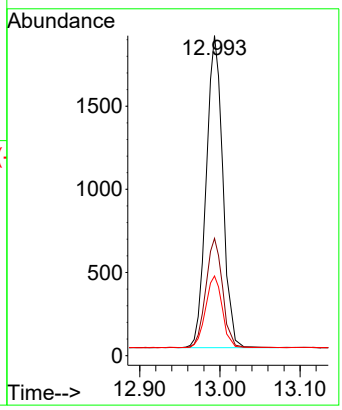


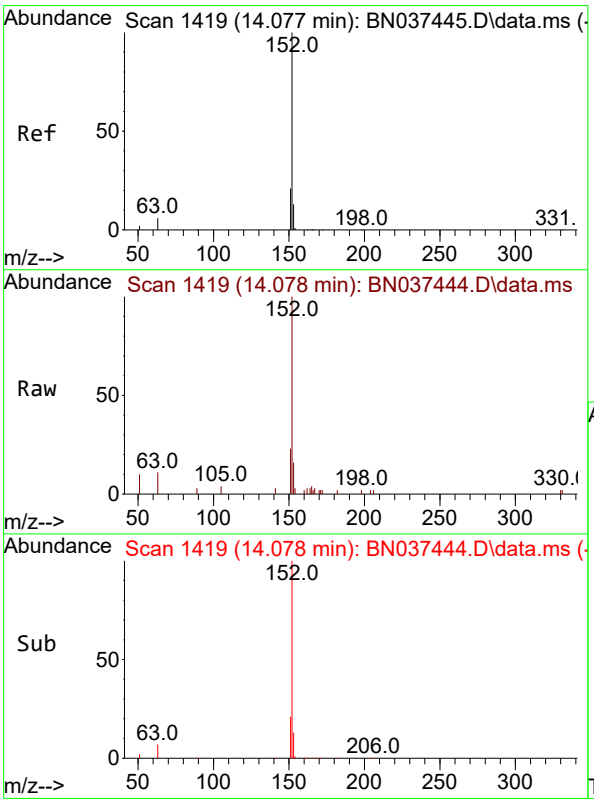
#15
2-Fluorobiphenyl
Concen: 0.176 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 3539

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.4	42.6
170	24.9	18.7	28.1

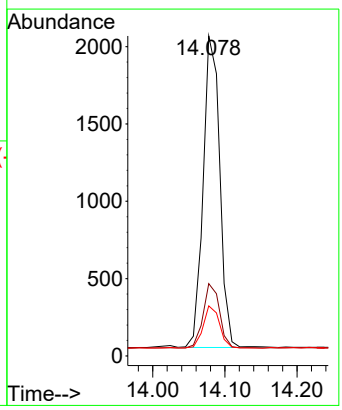


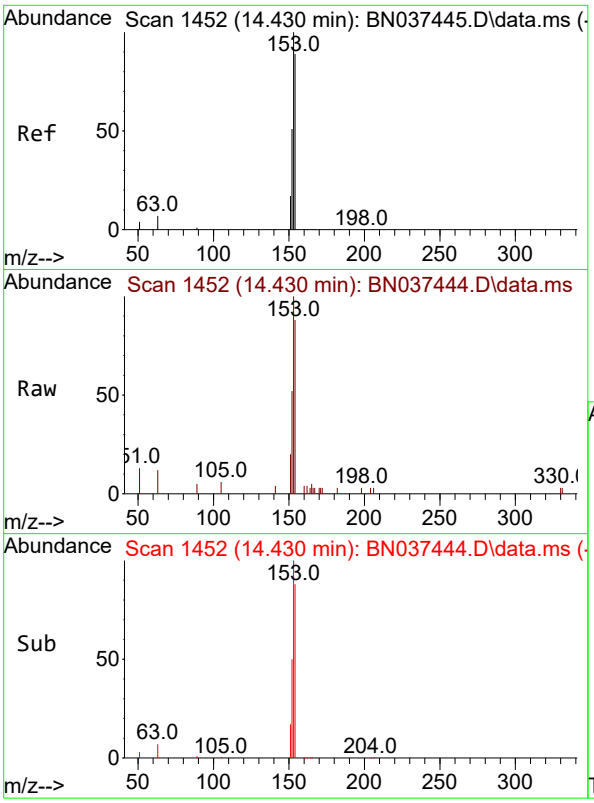


#16
Acenaphthylene
Concen: 0.181 ng
RT: 14.078 min Scan# 1419
Delta R.T. -0.011 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:152 Resp: 3233

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.5	10.6	16.0



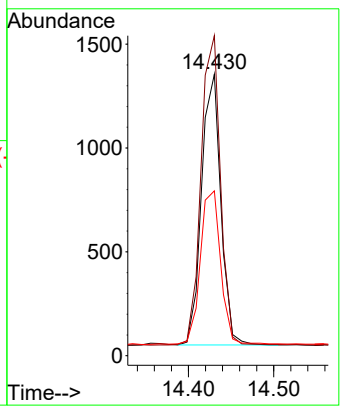


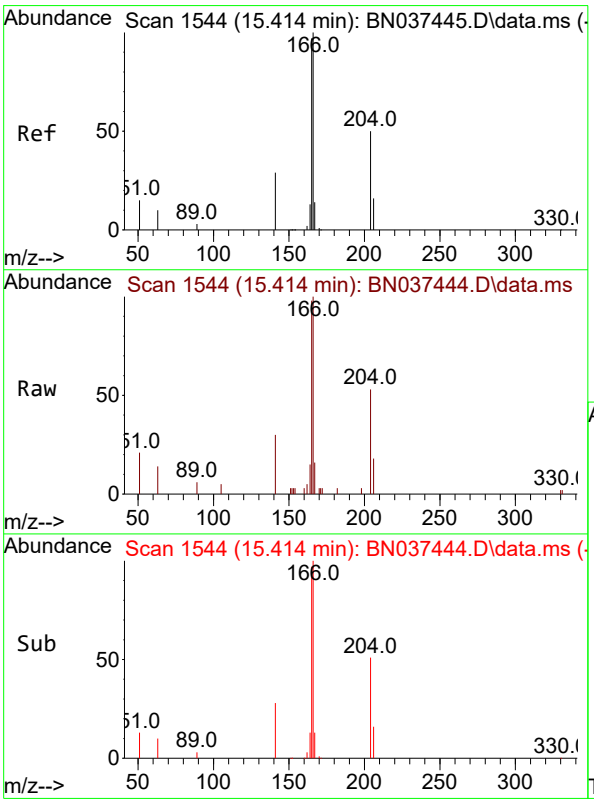
#17
Acenaphthene
Concen: 0.178 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 2044

Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.7	136.1
152	60.7	58.9	88.3

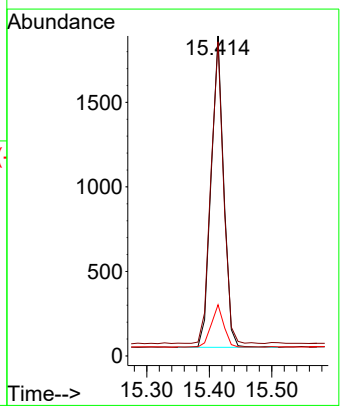


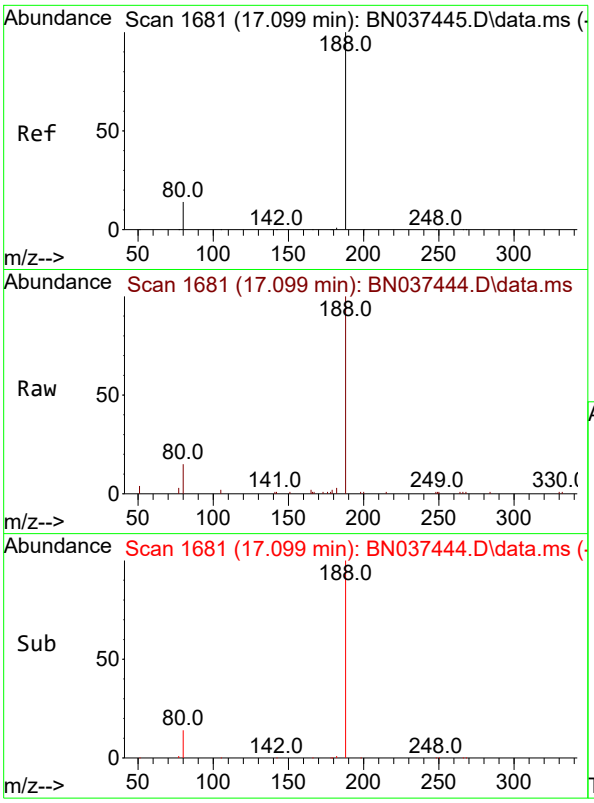


#18
Fluorene
Concen: 0.177 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:166 Resp: 2566

Ion	Ratio	Lower	Upper
166	100		
165	97.4	81.8	122.8
167	13.7	11.3	16.9



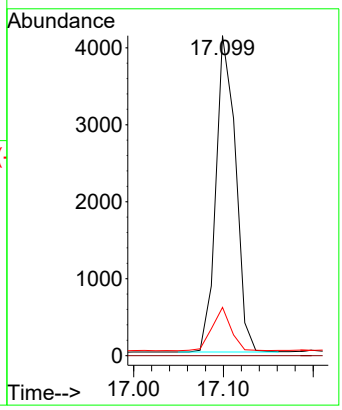


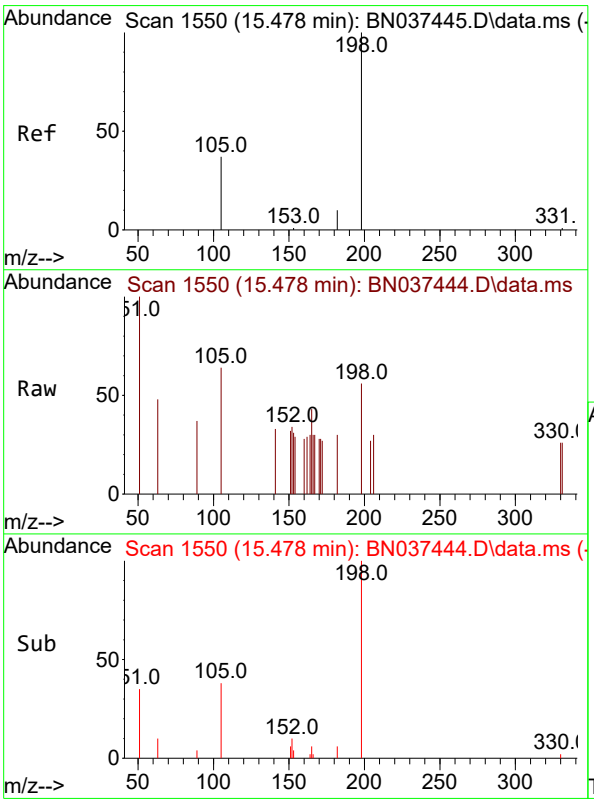
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 6291

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.1	7.8	11.6#

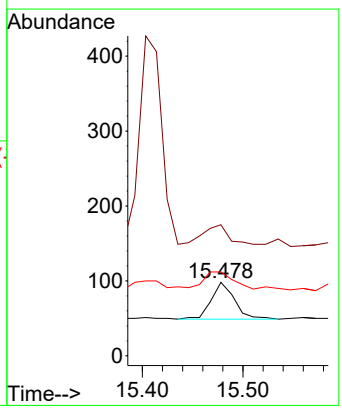


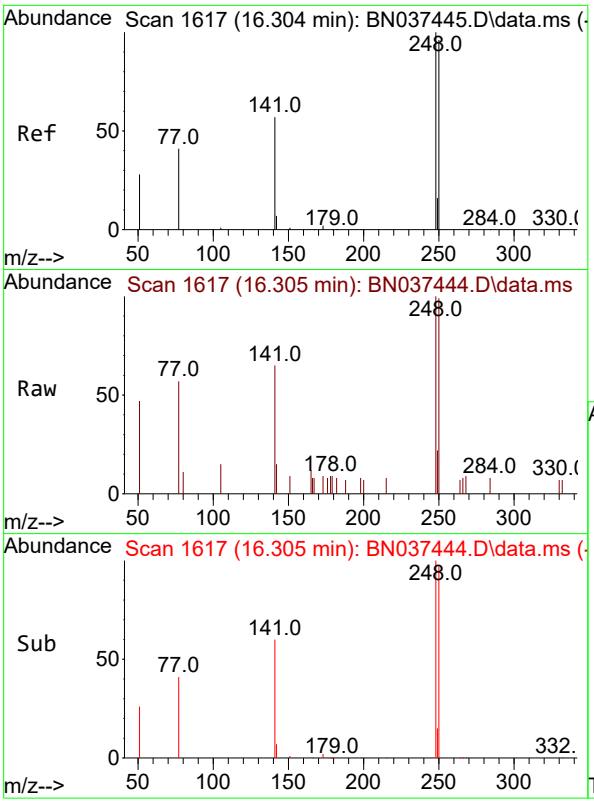


#20
4,6-Dinitro-2-methylphenol
Concen: 0.144 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:198 Resp: 81

Ion	Ratio	Lower	Upper
198	100		
51	178.6	145.5	218.3
105	114.3	64.2	96.4#



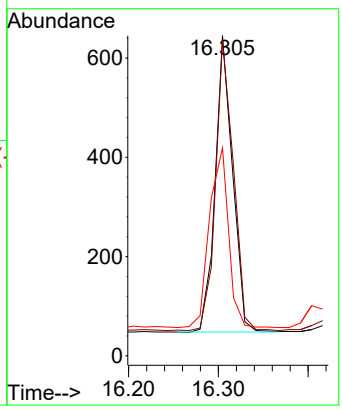


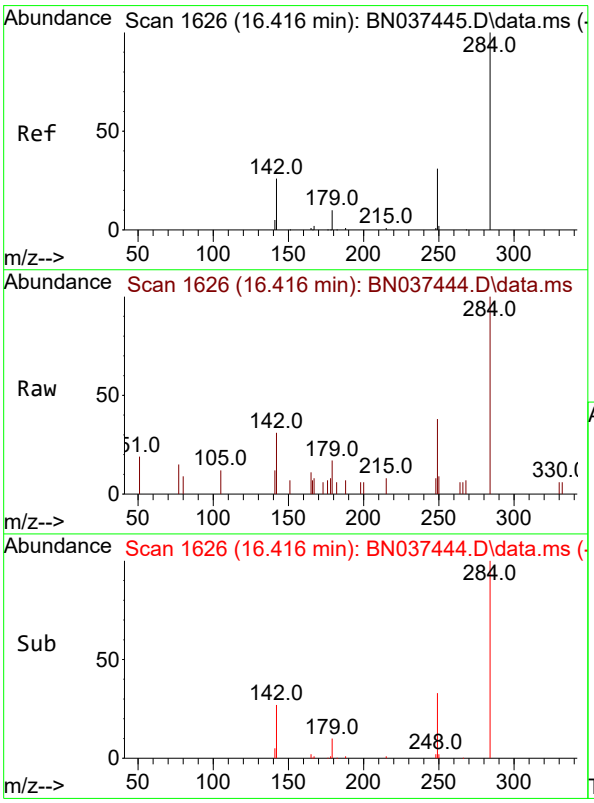
#21
4-Bromophenyl-phenylether
Concen: 0.198 ng
RT: 16.305 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 804

Ion	Ratio	Lower	Upper
248	100		
250	98.6	83.9	125.9
141	65.0	29.4	44.0#

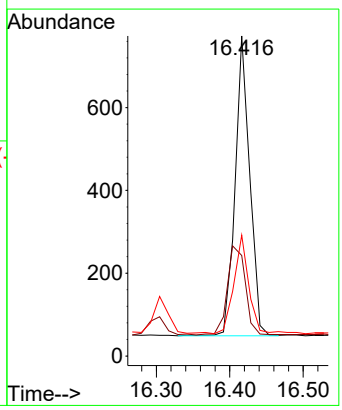


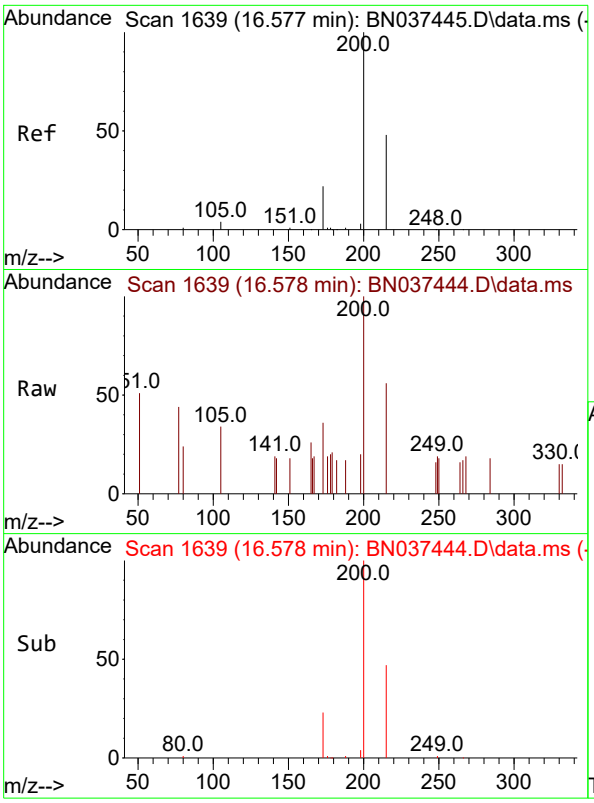


#22
Hexachlorobenzene
Concen: 0.197 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:284 Resp: 999

Ion	Ratio	Lower	Upper
284	100		
142	36.6	38.9	58.3#
249	34.1	27.3	40.9



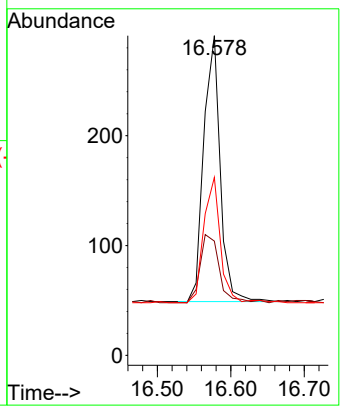


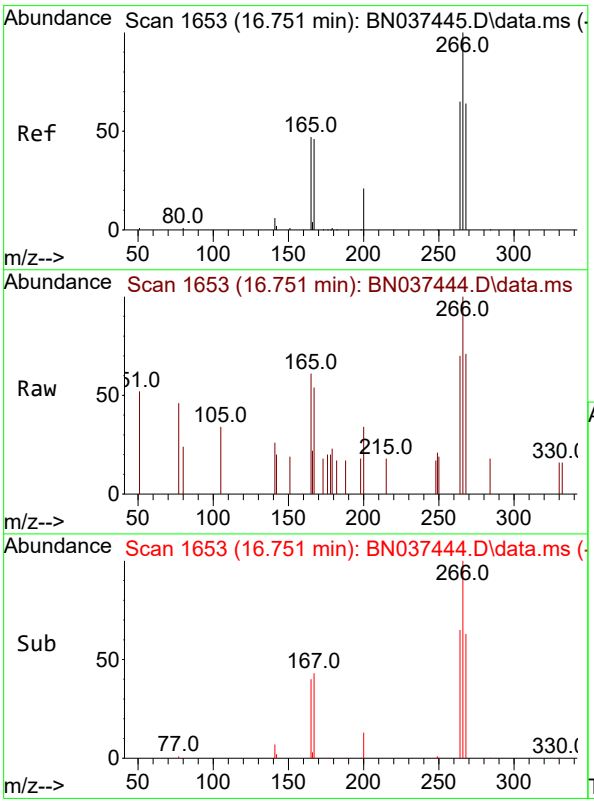
#23
Atrazine
Concen: 0.333 ng
RT: 16.578 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 376

Ion	Ratio	Lower	Upper
200	100		
173	35.7	28.4	42.6
215	55.7	42.0	63.0

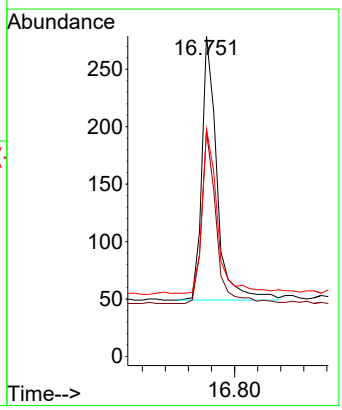


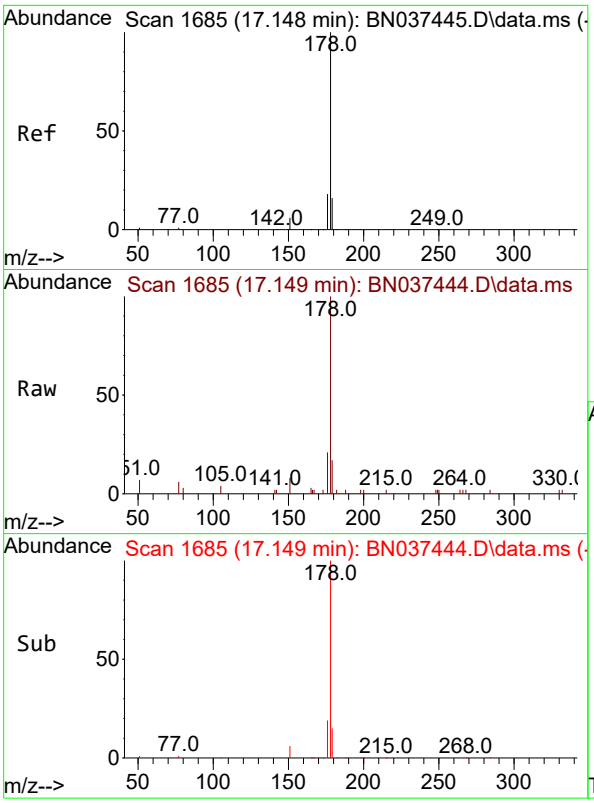


#24
Pentachlorophenol
Concen: 0.443 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:266 Resp: 416

Ion	Ratio	Lower	Upper
266	100		
264	63.0	52.4	78.6
268	63.2	53.9	80.9



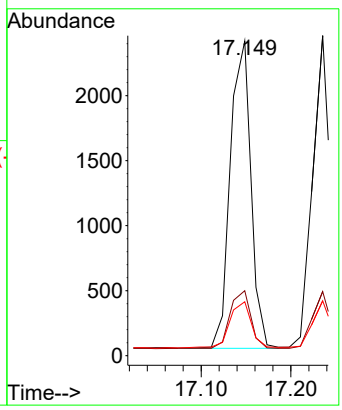


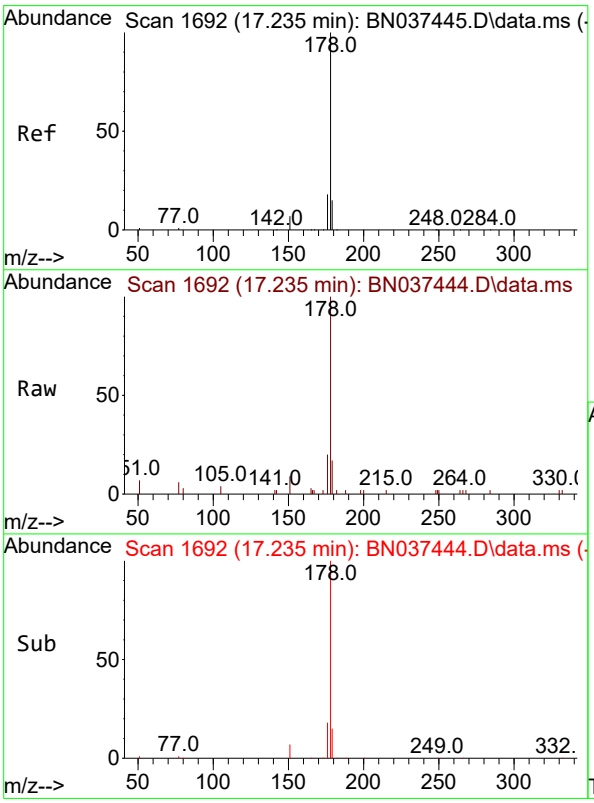
#25
Phenanthrene
Concen: 0.179 ng
RT: 17.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 3776

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	16.1	12.2	18.4

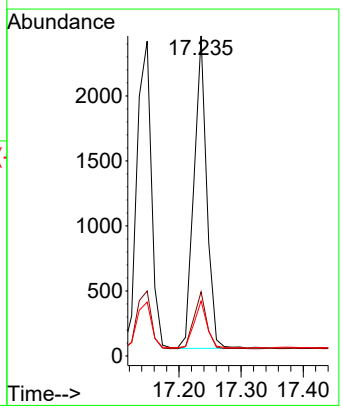


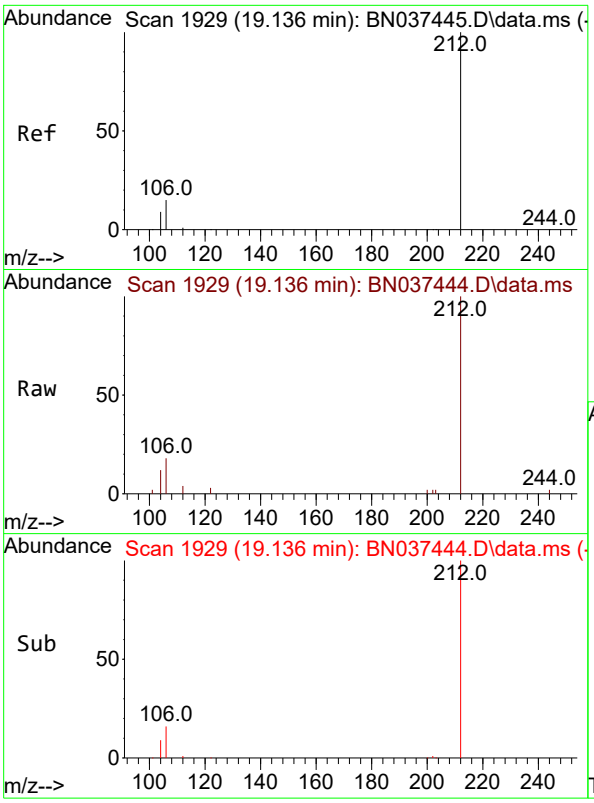


#26
Anthracene
Concen: 0.183 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:178 Resp: 3438

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.3	12.1	18.1



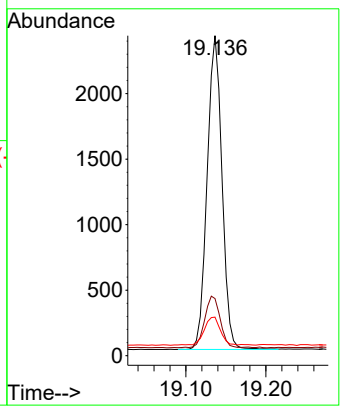


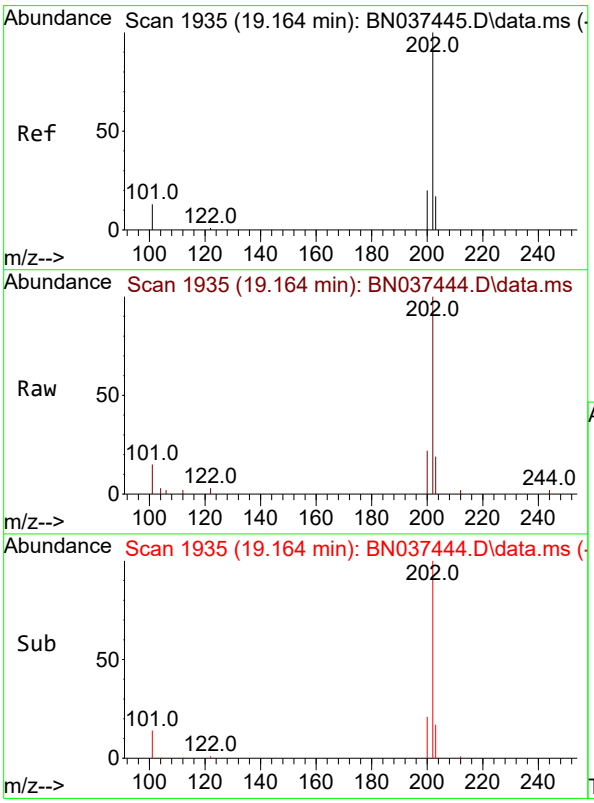
#27
Fluoranthene-d10
Concen: 0.192 ng
RT: 19.136 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 3089

Ion	Ratio	Lower	Upper
212	100		
106	17.3	13.4	20.0
104	9.7	7.8	11.6

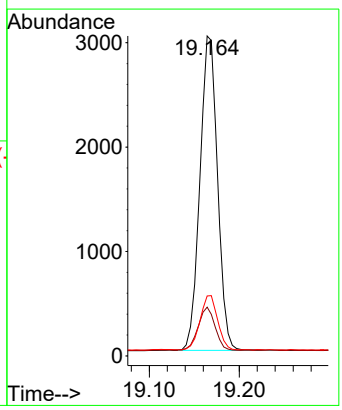


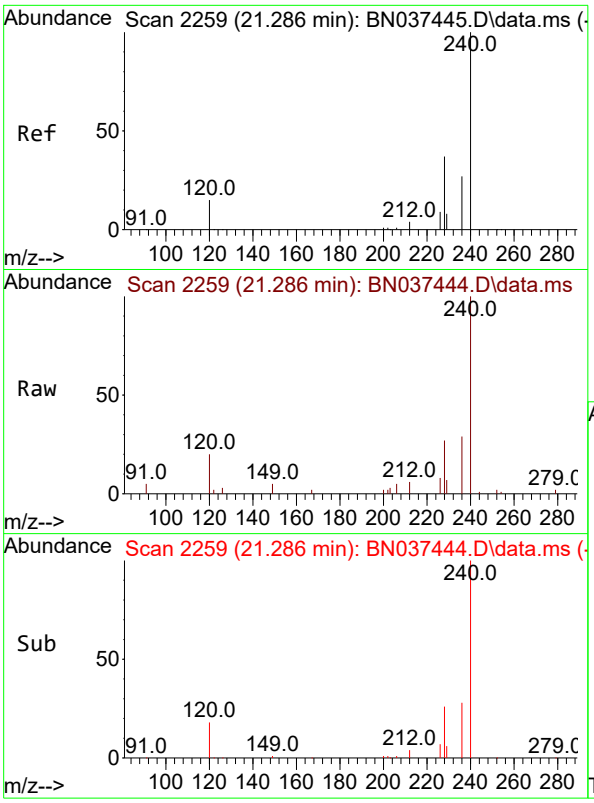


#28
Fluoranthene
Concen: 0.182 ng
RT: 19.164 min Scan# 1935
Delta R.T. -0.004 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:202 Resp: 4112

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.2	15.2
203	17.4	13.8	20.8



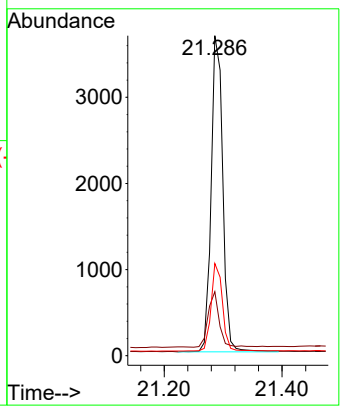


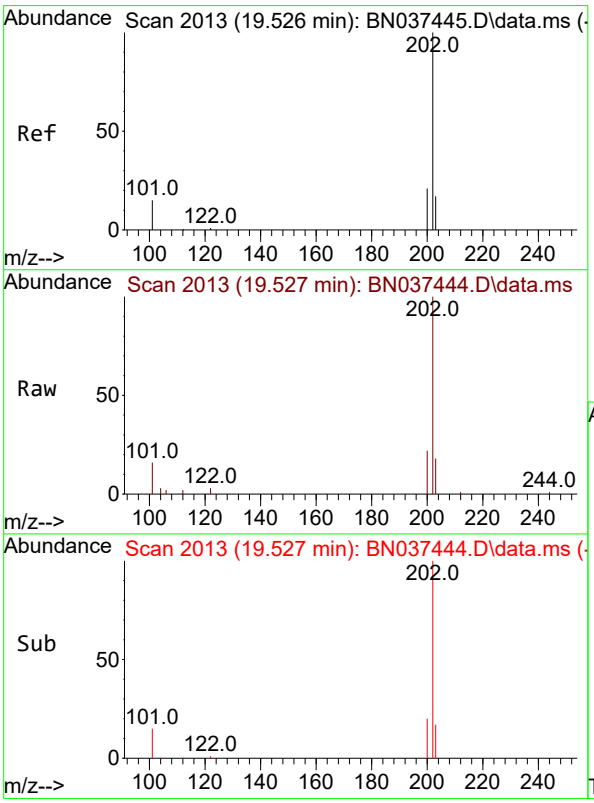
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 5005

Ion	Ratio	Lower	Upper
240	100		
120	20.0	16.4	24.6
236	28.8	23.3	34.9

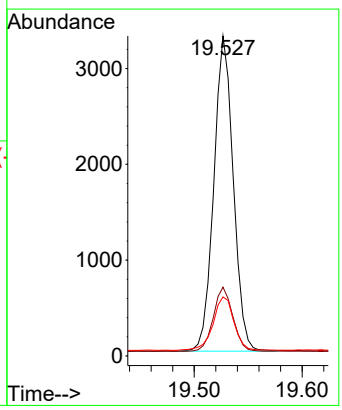


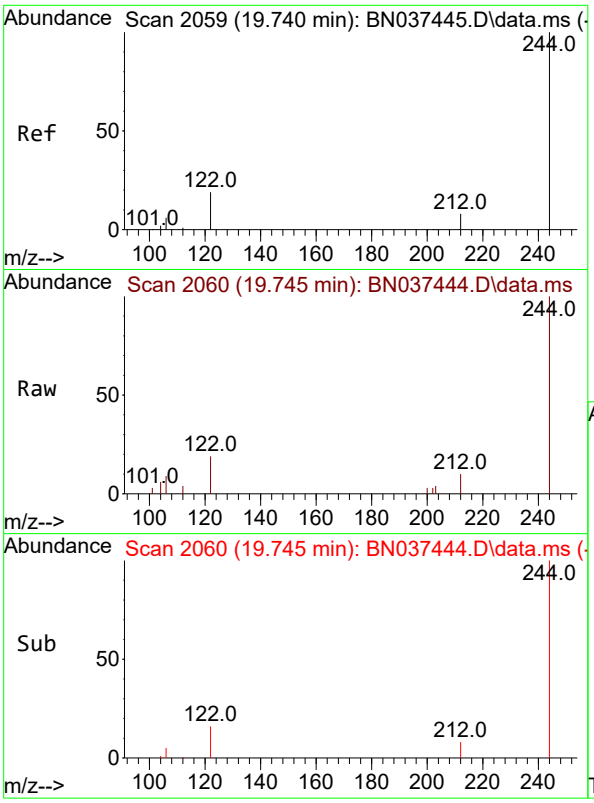


#30
Pyrene
Concen: 0.181 ng
RT: 19.527 min Scan# 2013
Delta R.T. -0.004 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:202 Resp: 4120

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.9	25.3
203	18.4	14.2	21.4



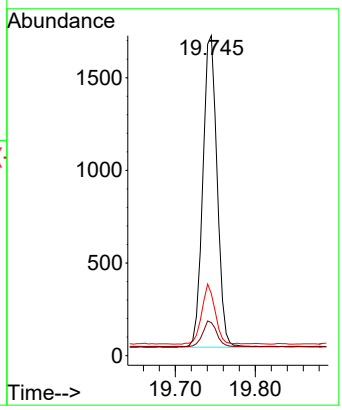


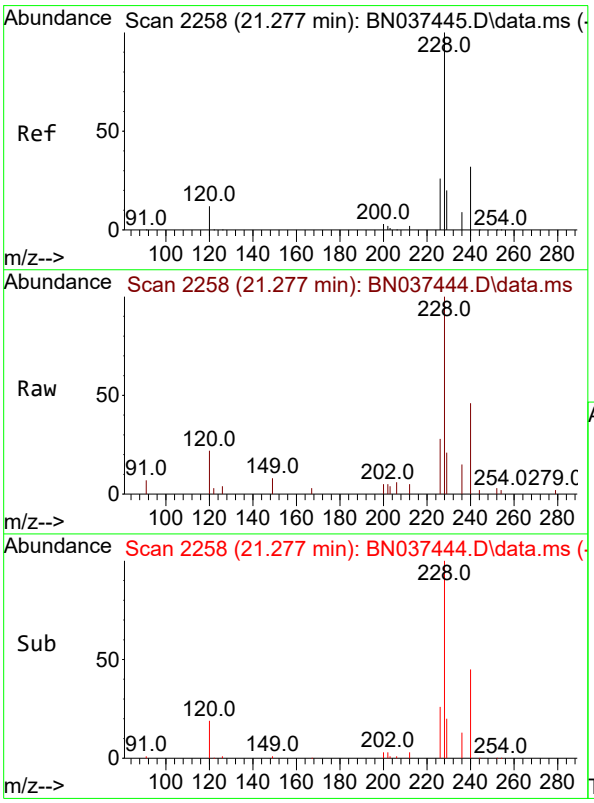
#31
Terphenyl-d14
Concen: 0.194 ng
RT: 19.745 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 2083

Ion	Ratio	Lower	Upper
244	100		
212	10.4	9.0	13.4
122	19.3	15.0	22.4

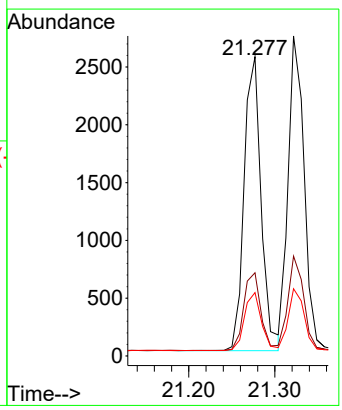


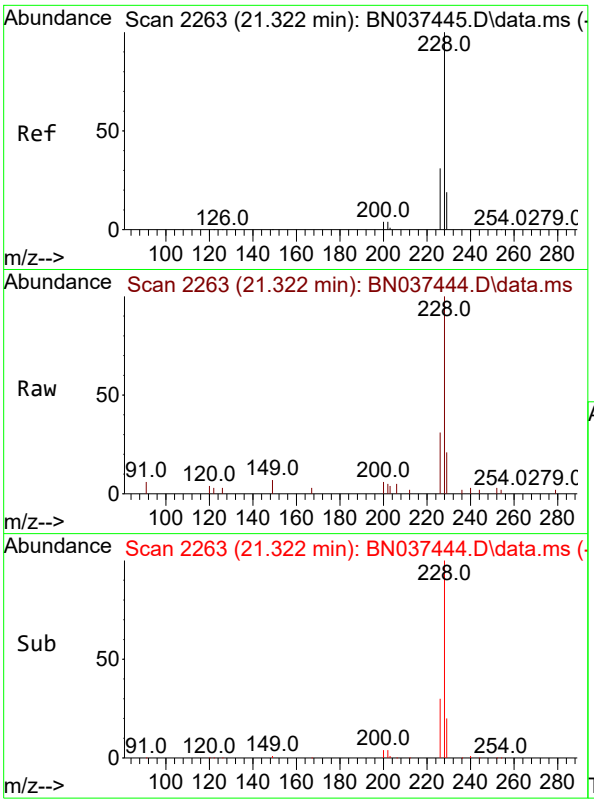


#32
Benzo(a)anthracene
Concen: 0.200 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:228 Resp: 3501

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	21.2	16.6	25.0



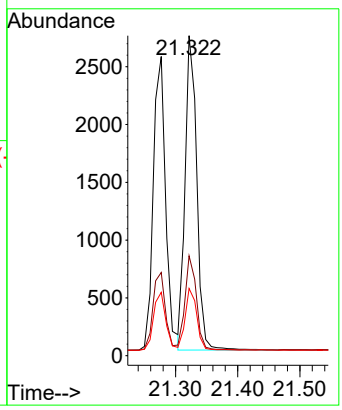


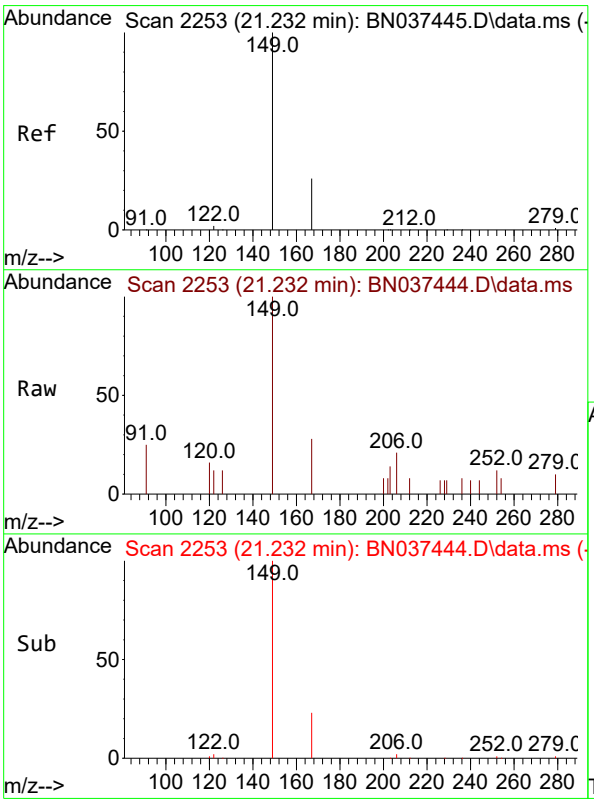
#33
Chrysene
Concen: 0.186 ng
RT: 21.322 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 3565

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.0	15.8	23.8

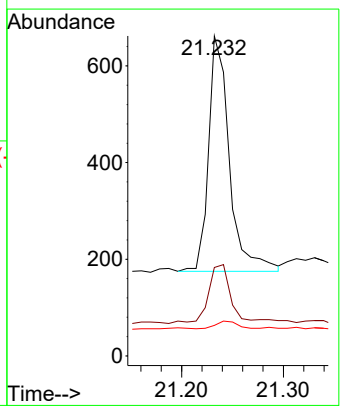


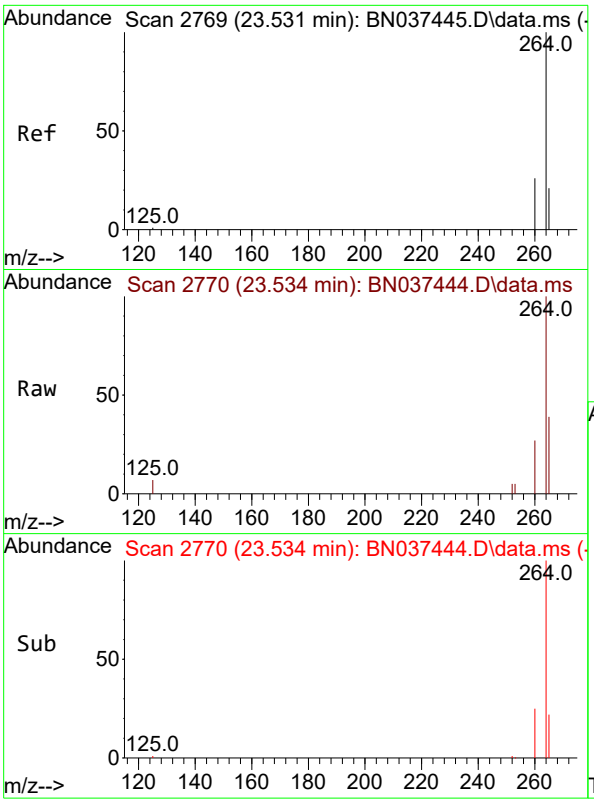


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.167 ng
RT: 21.232 min Scan# 2253
Delta R.T. -0.009 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:149 Resp: 691

Ion	Ratio	Lower	Upper
149	100		
167	28.1	20.6	30.8
279	3.5	2.2	3.2#



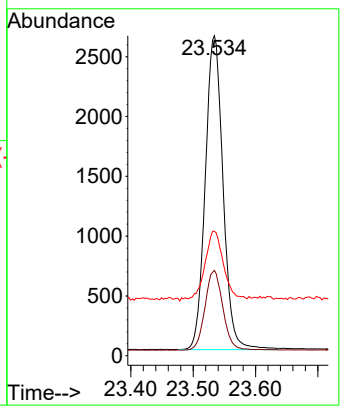


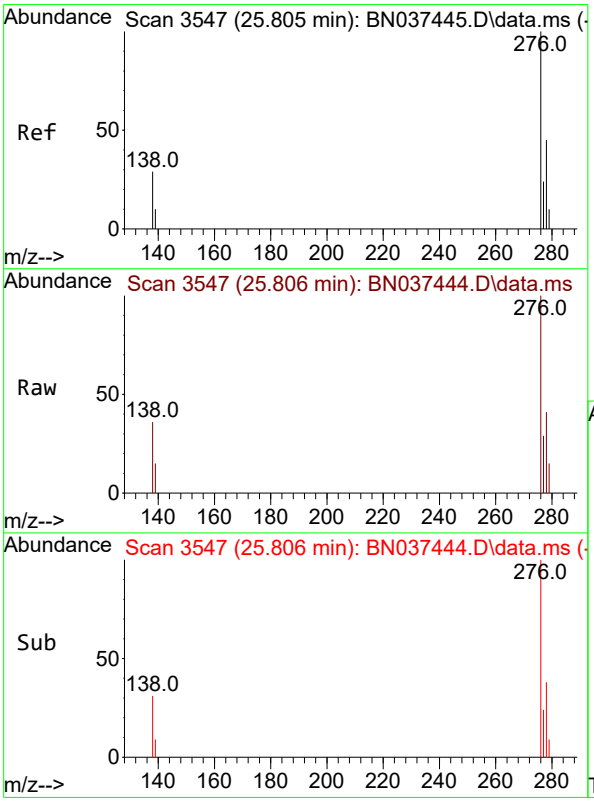
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.534 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 5208

Ion	Ratio	Lower	Upper
264	100		
260	26.7	22.1	33.1
265	38.9	30.1	45.1

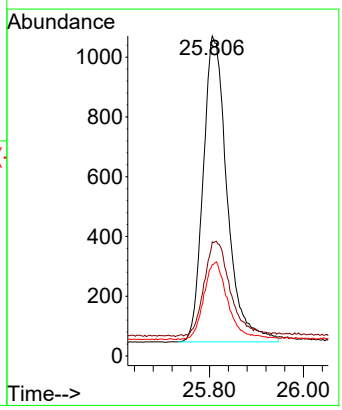


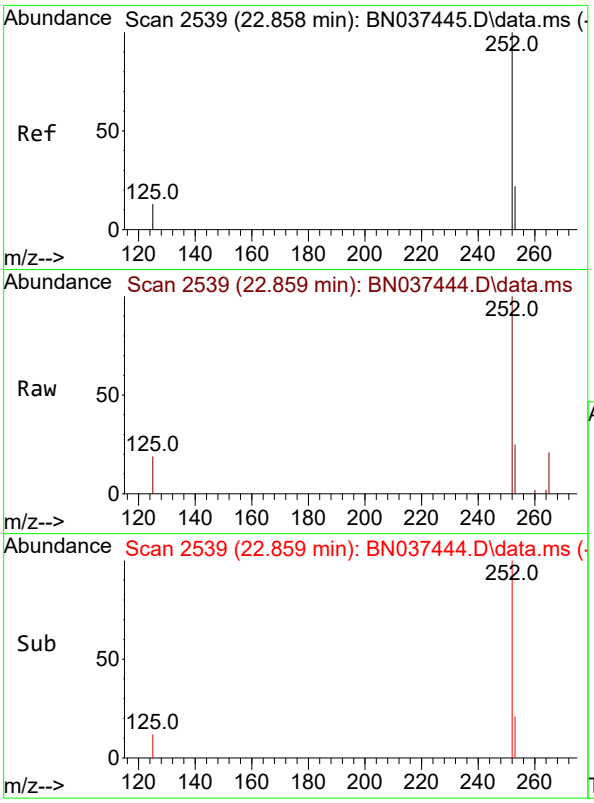


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.182 ng
RT: 25.806 min Scan# 3547
Delta R.T. -0.020 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:276 Resp: 3623

Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.8
277	24.9	19.8	29.8



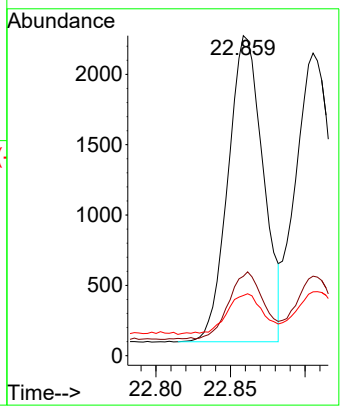


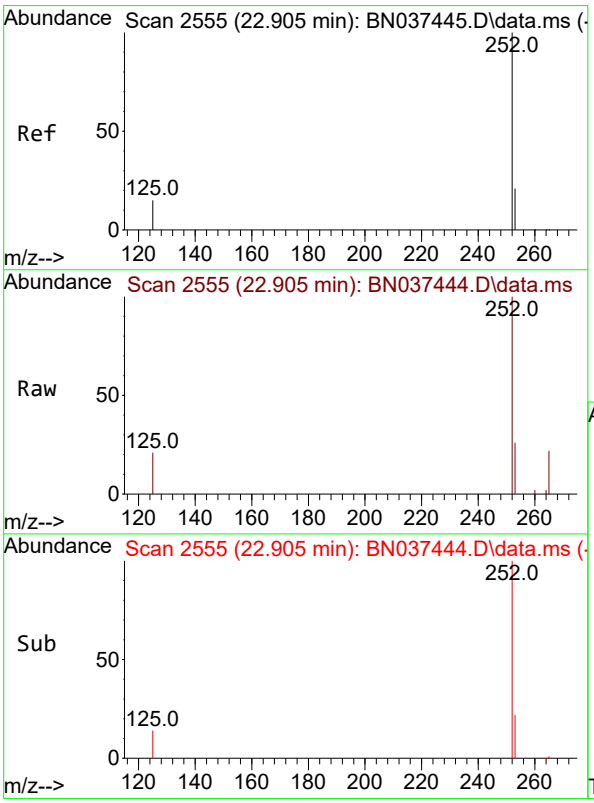
#37
Benzo(b)fluoranthene
Concen: 0.162 ng
RT: 22.859 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3559

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	18.8	13.0	19.6

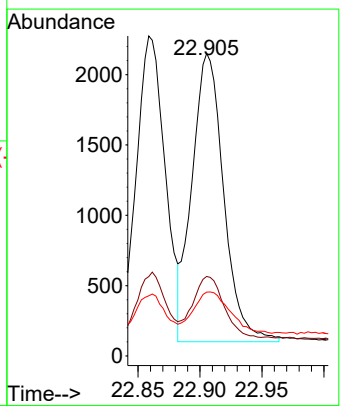


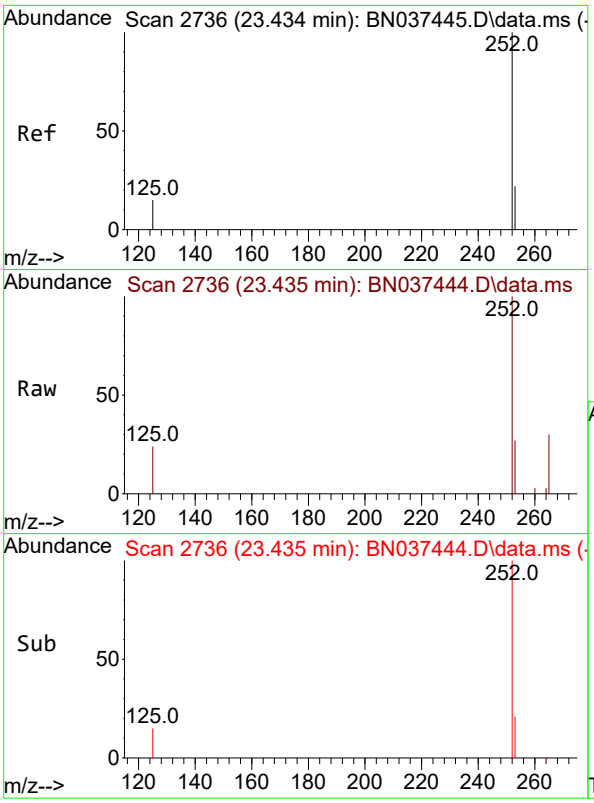


#38
Benzo(k)fluoranthene
Concen: 0.164 ng m
RT: 22.905 min Scan# 2555
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:252 Resp: 3652

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.0	28.6
125	21.1	13.0	19.6#



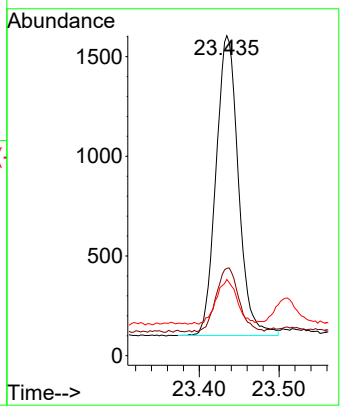


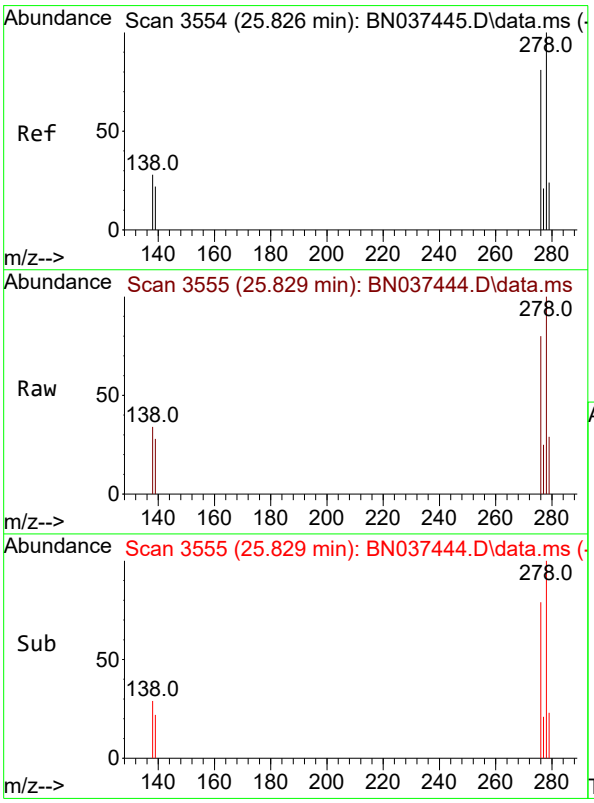
#39
Benzo(a)pyrene
Concen: 0.175 ng
RT: 23.435 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 2938

Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.7	29.5
125	23.8	15.4	23.0#

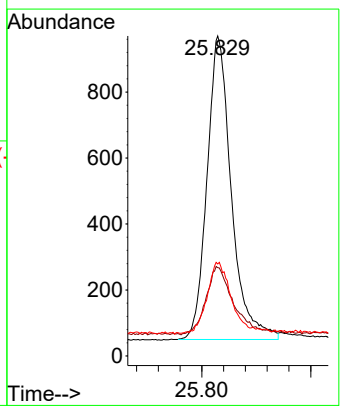


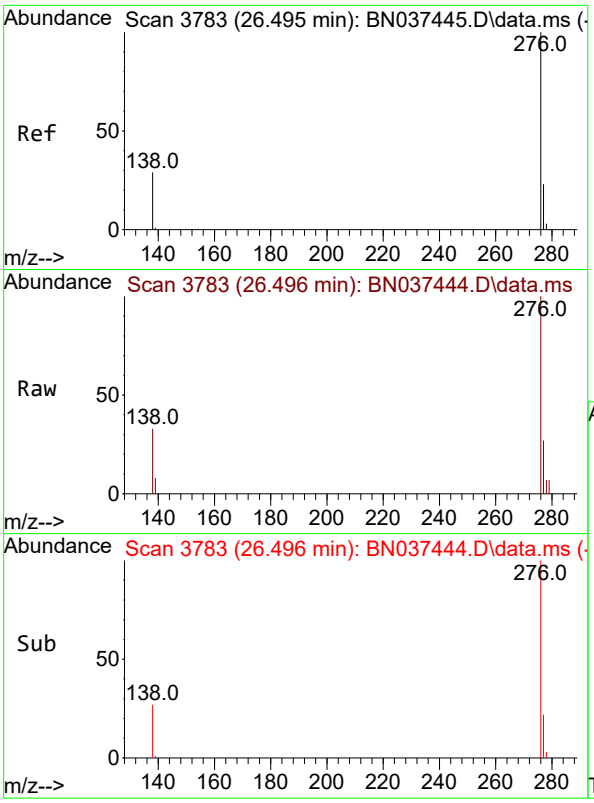


#40
Dibenzo(a,h)anthracene
Concen: 0.195 ng
RT: 25.829 min Scan# 3555
Delta R.T. -0.014 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Tgt Ion:278 Resp: 2856

Ion	Ratio	Lower	Upper
278	100		
139	27.6	21.2	31.8
279	28.8	22.7	34.1





#41
Benzo(g,h,i)perylene
Concen: 0.185 ng
RT: 26.496 min Scan# 3
Delta R.T. -0.020 min
Lab File: BN037444.D
Acq: 09 Jul 2025 18:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 3250

Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.8	29.8
138	32.7	25.9	38.9