Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
Data File : BN037505.D
Acq On : 15 Jul 2025 16:14
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jul 15 17:28:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 16:45:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	2230	0.400	ng		0.00
7) Naphthalene-d8	10.509	136	5395	0.400	ng		0.00
13) Acenaphthene-d10	14.356	164	3026	0.400	ng		0.00
19) Phenanthrene-d10	17.099	188	5918	0.400	ng		0.00
29) Chrysene-d12	21.277	240	6176	0.400	ng		0.00
35) Perylene-d12	23.516	264	5810	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.312	112	28715	5.207	ng		0.00
5) Phenol-d6	6.887	99	35549	5.139	ng		0.00
8) Nitrobenzene-d5	8.865	82	22676	5.623	ng		0.00
11) 2-Methylnaphthalene-d10	12.101	152	47958	6.198	ng		0.00
14) 2,4,6-Tribromophenol	15.845	330	9399	6.319	ng		0.00
15) 2-Fluorobiphenyl	12.983	172	90652	5.761	ng		0.00
27) Fluoranthene-d10	19.127	212	102473	6.537	ng		0.00
31) Terphenyl-d14	19.731	244	66764	5.031	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	9864	4.601	ng		97
3) n-Nitrosodimethylamine	3.543	42	13961	5.177	ng	#	93
6) bis(2-Chloroethyl)ether	7.147	93	28323	4.920	ng		99
9) Naphthalene	10.552	128	75946	5.279	ng		97
10) Hexachlorobutadiene	10.861	225	16562	5.208	ng	#	100
12) 2-Methylnaphthalene	12.172	142	50973	5.388	ng		99
16) Acenaphthylene	14.067	152	74932	5.528	ng		99
17) Acenaphthene	14.420	154	49935	5.417	ng		96
18) Fluorene	15.403	166	64957	5.474	ng		97
20) 4,6-Dinitro-2-methylph...	15.467	198	5939	4.991	ng	#	58
21) 4-Bromophenyl-phenylether	16.292	248	20263	5.344	ng		95
22) Hexachlorobenzene	16.404	284	25010	5.106	ng		99
23) Atrazine	16.565	200	16269	6.150	ng		95
24) Pentachlorophenol	16.751	266	13954	6.351	ng		99
25) Phenanthrene	17.136	178	94181	5.312	ng		100
26) Anthracene	17.223	178	91147	5.634	ng		100
28) Fluoranthene	19.155	202	117280	5.736	ng		99
30) Pyrene	19.517	202	118804	4.775	ng		100
32) Benzo(a)anthracene	21.259	228	117117	5.414	ng		99
33) Chrysene	21.313	228	117985	5.239	ng		98
34) Bis(2-ethylhexyl)phtha...	21.214	149	60154	6.181	ng		99
36) Indeno(1,2,3-cd)pyrene	25.782	276	144593	5.975	ng		99
37) Benzo(b)fluoranthene	22.844	252	122848	5.570	ng	#	93
38) Benzo(k)fluoranthene	22.891	252	125226	5.503	ng	#	93
39) Benzo(a)pyrene	23.420	252	106654	5.797	ng	#	91
40) Dibenzo(a,h)anthracene	25.800	278	118164	6.029	ng		95
41) Benzo(g,h,i)perylene	26.469	276	120757	5.952	ng		95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
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Misc :
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Instrument :
BNA_N
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Quant Time: Jul 15 17:28:30 2025
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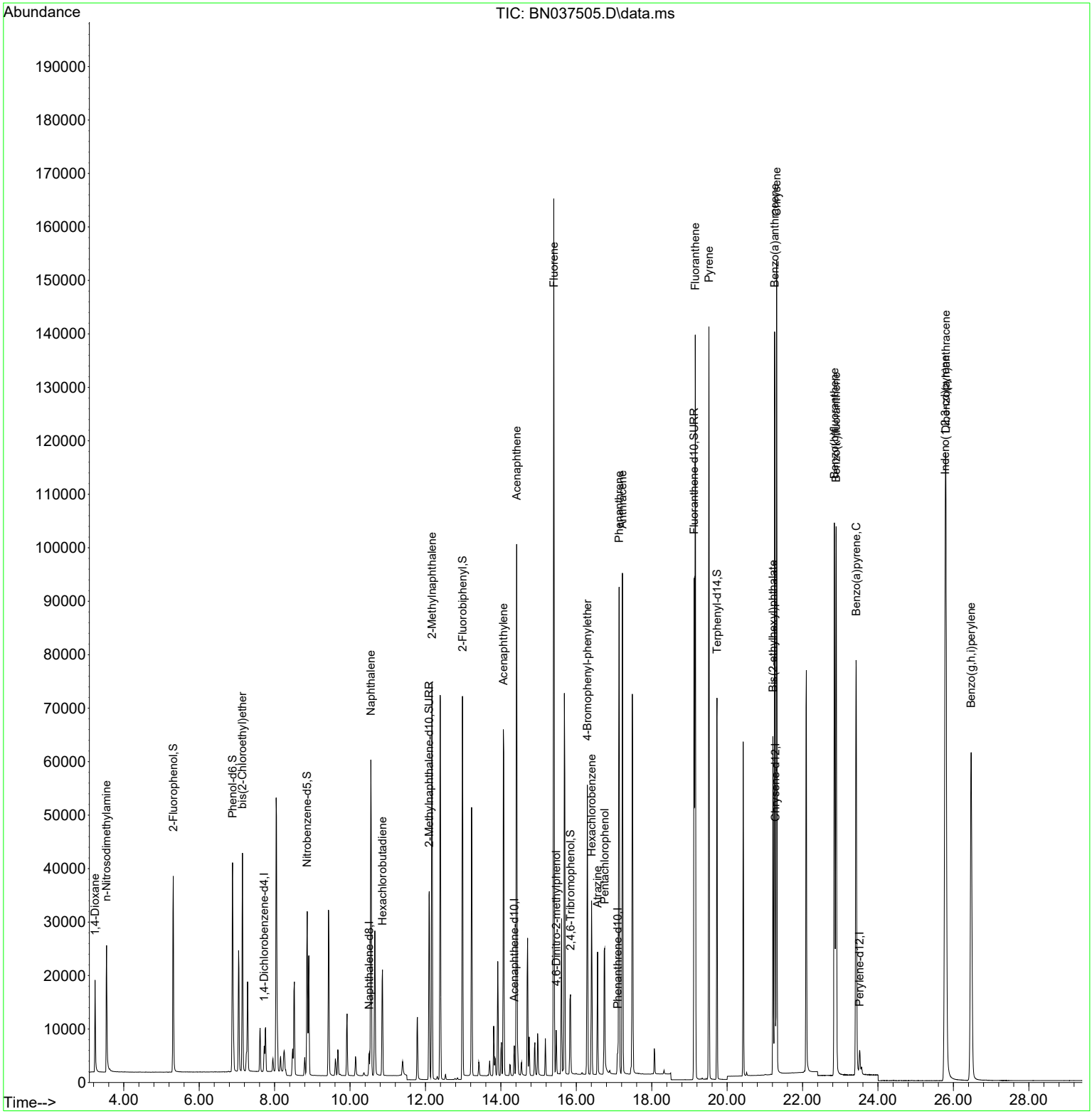
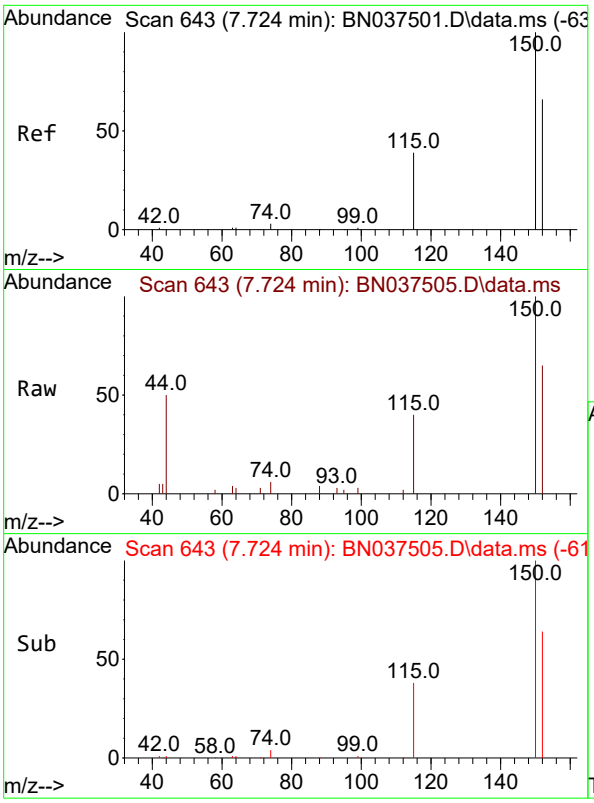
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 16:45:15 2025
Response via : Initial Calibration



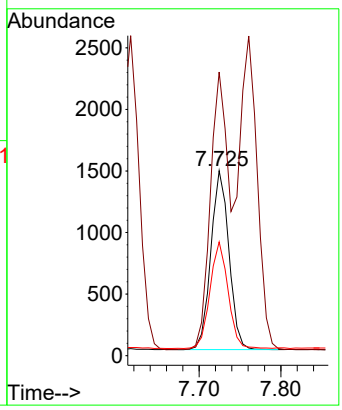


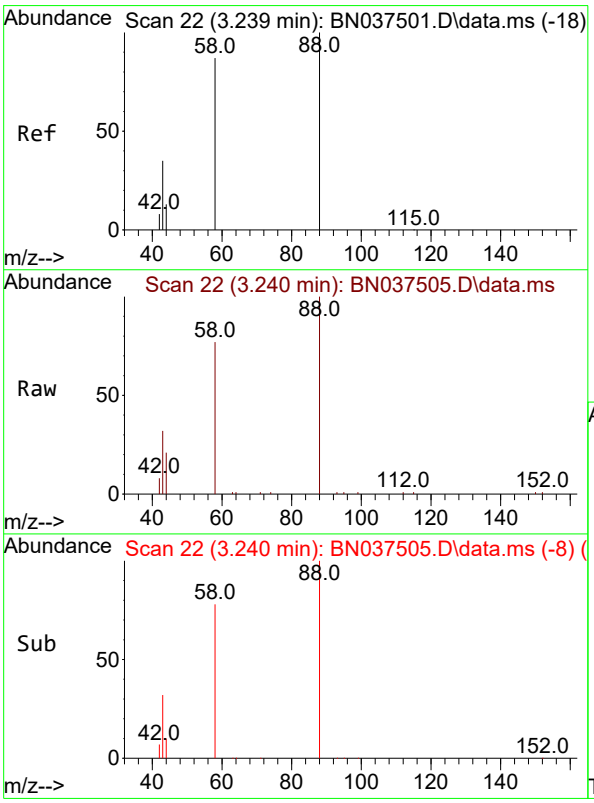
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2230

Ion	Ratio	Lower	Upper
152	100		
150	153.4	119.8	179.8
115	61.5	49.1	73.7

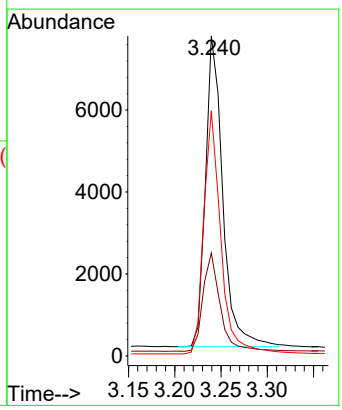


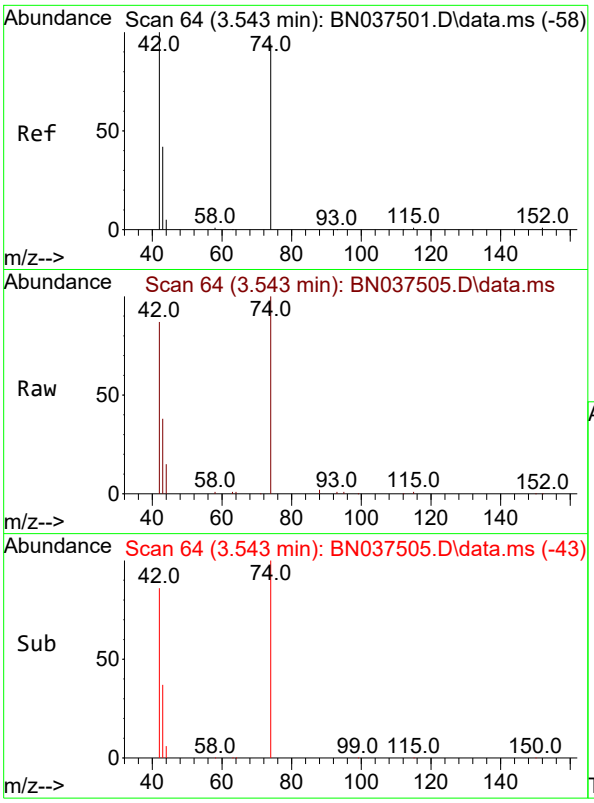


#2
1,4-Dioxane
Concen: 4.601 ng
RT: 3.240 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion: 88 Resp: 9864

Ion	Ratio	Lower	Upper
88	100		
43	31.4	27.5	41.3
58	76.9	62.7	94.1



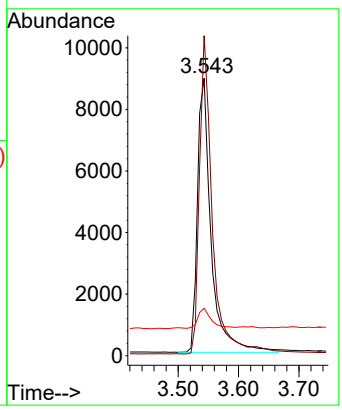


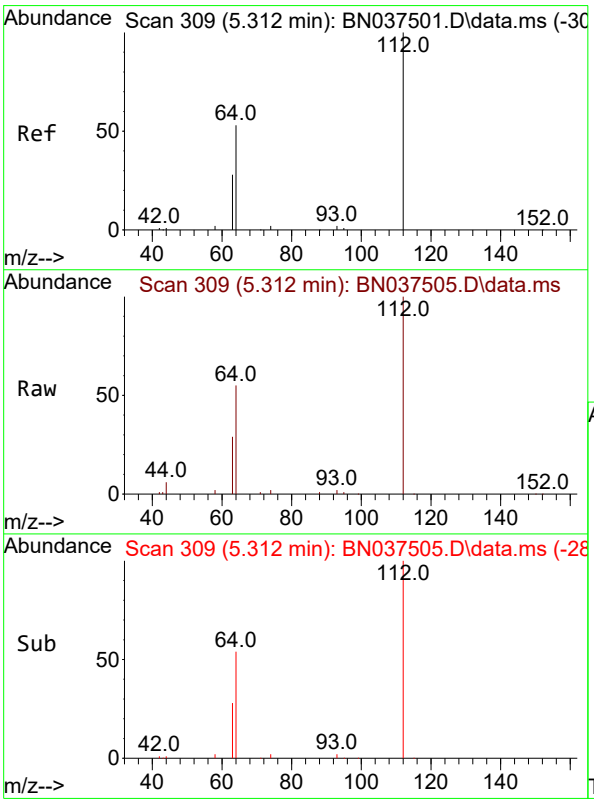
#3
n-Nitrosodimethylamine
Concen: 5.177 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 13961

Ion	Ratio	Lower	Upper
42	100		
74	110.6	91.8	137.6
44	7.0	15.0	22.6#

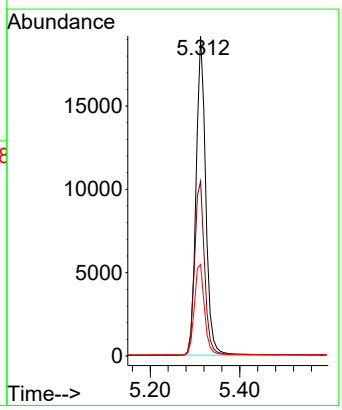


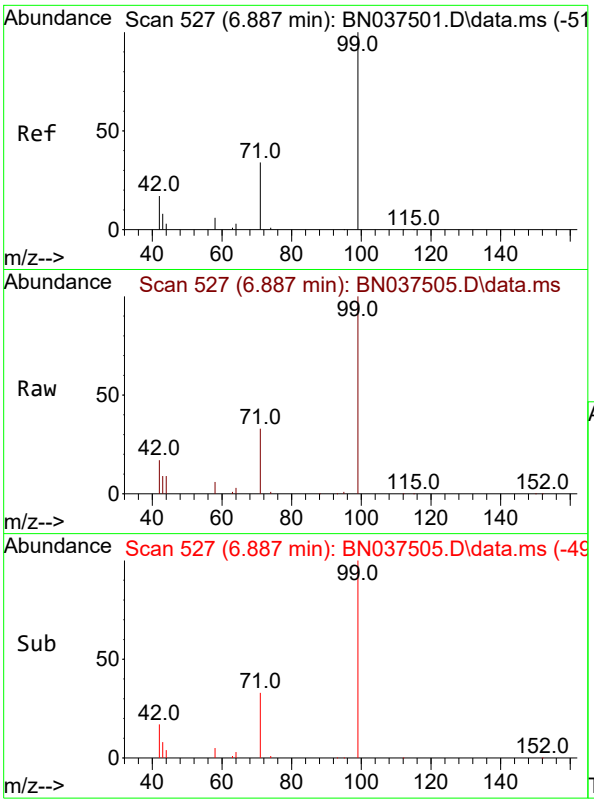


#4
2-Fluorophenol
Concen: 5.207 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:112 Resp: 28715

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.1	67.7
63	29.7	23.8	35.8



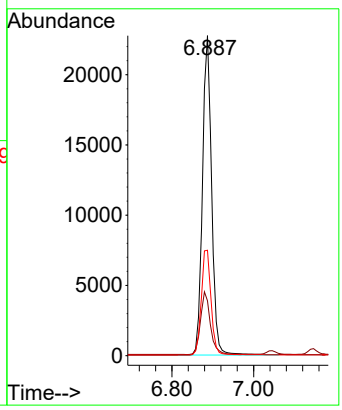


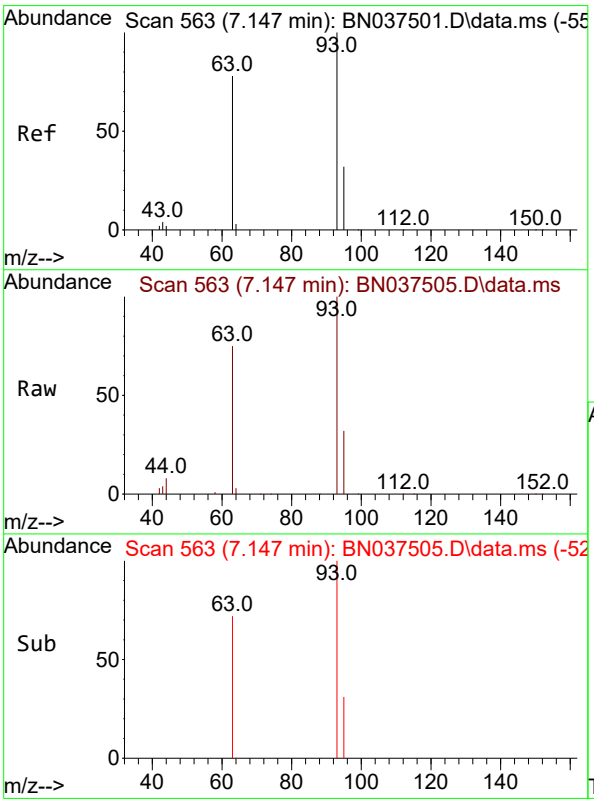
#5
Phenol-d6
Concen: 5.139 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 35549

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	34.9	27.8	41.8

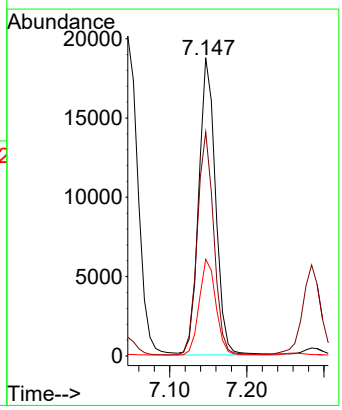


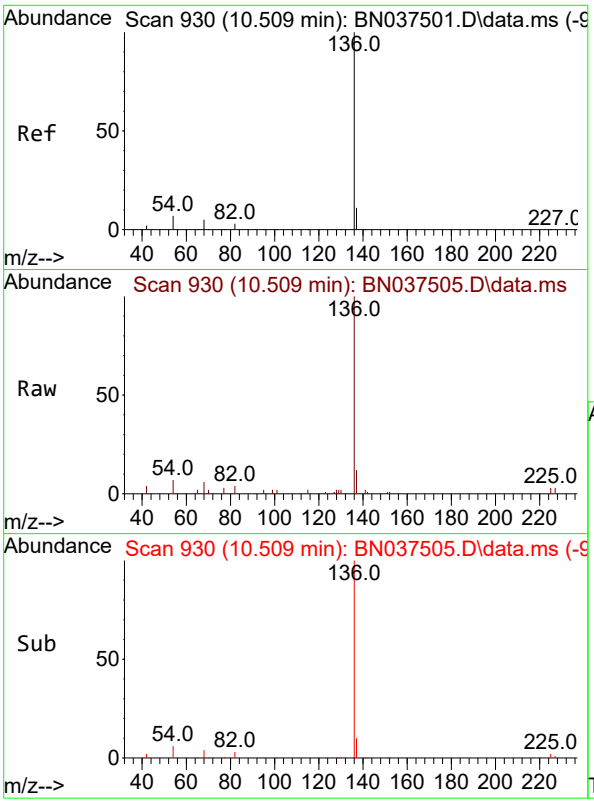


#6
bis(2-Chloroethyl)ether
Concen: 4.920 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion: 93 Resp: 28323

Ion	Ratio	Lower	Upper
93	100		
63	73.7	58.2	87.4
95	32.2	25.3	37.9



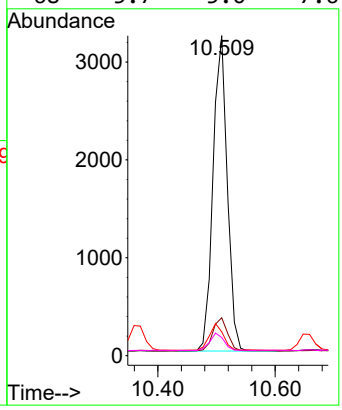


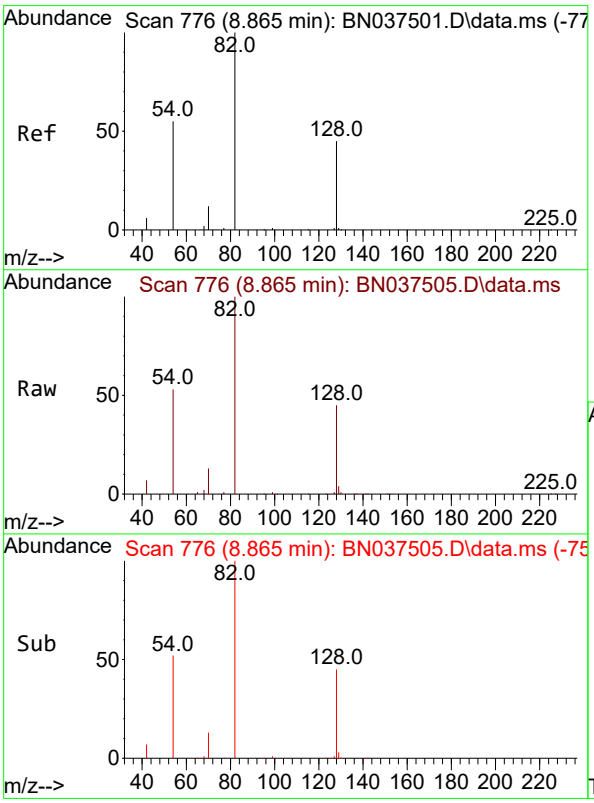
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 5395

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	7.5	6.6	9.8
68	5.7	5.0	7.6

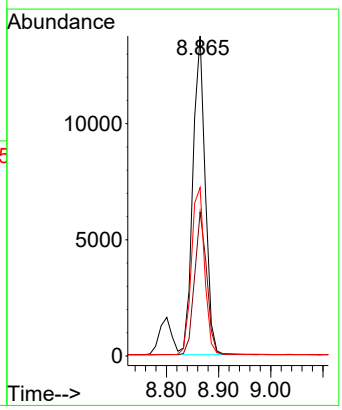


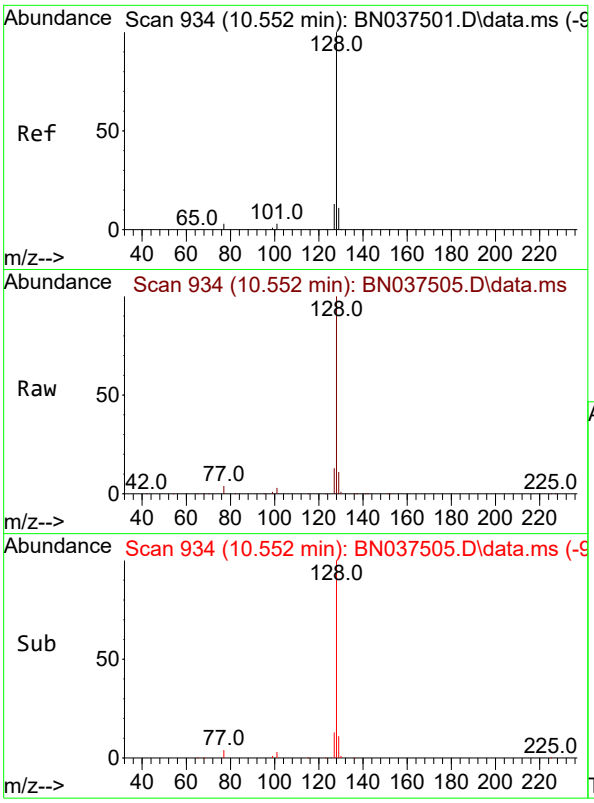


#8
Nitrobenzene-d5
Concen: 5.623 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion: 82 Resp: 22676

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.5	56.3
54	52.6	45.3	67.9



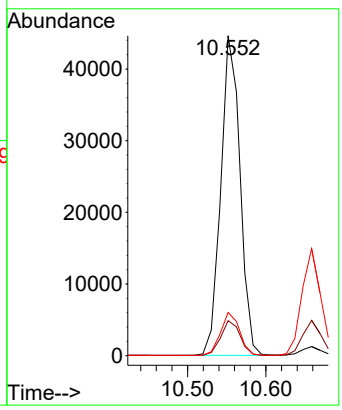


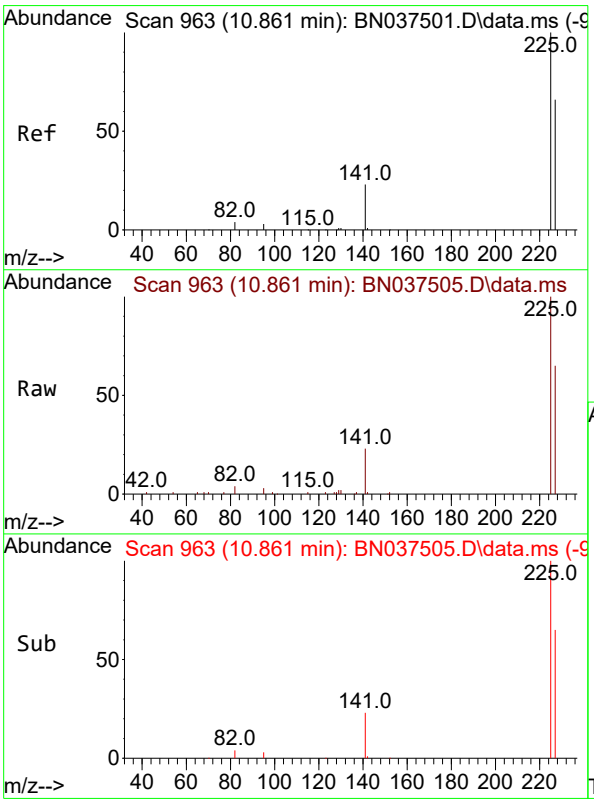
#9
Naphthalene
Concen: 5.279 ng
RT: 10.552 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 75946

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.7	14.5
127	13.5	11.5	17.3

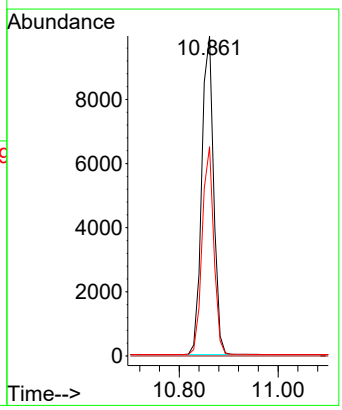


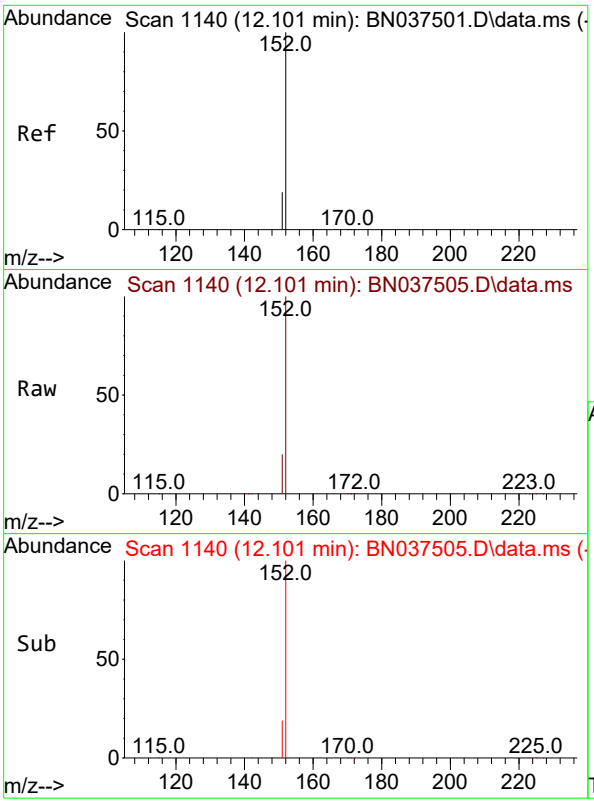


#10
Hexachlorobutadiene
Concen: 5.208 ng
RT: 10.861 min Scan# 963
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:225 Resp: 16562

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.0	76.4



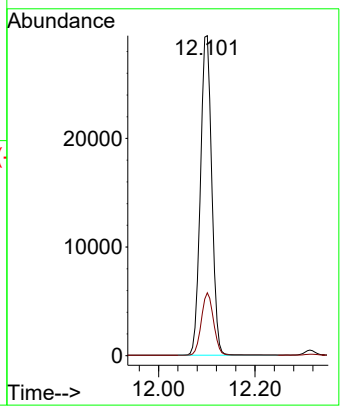


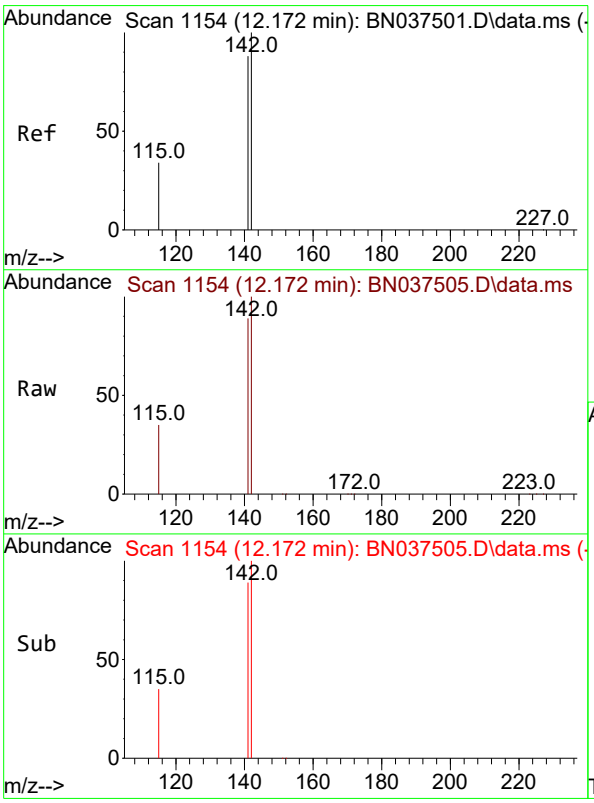
#11
2-Methylnaphthalene-d10
Concen: 6.198 ng
RT: 12.101 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 47958

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2

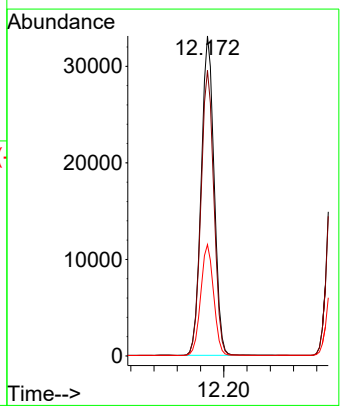


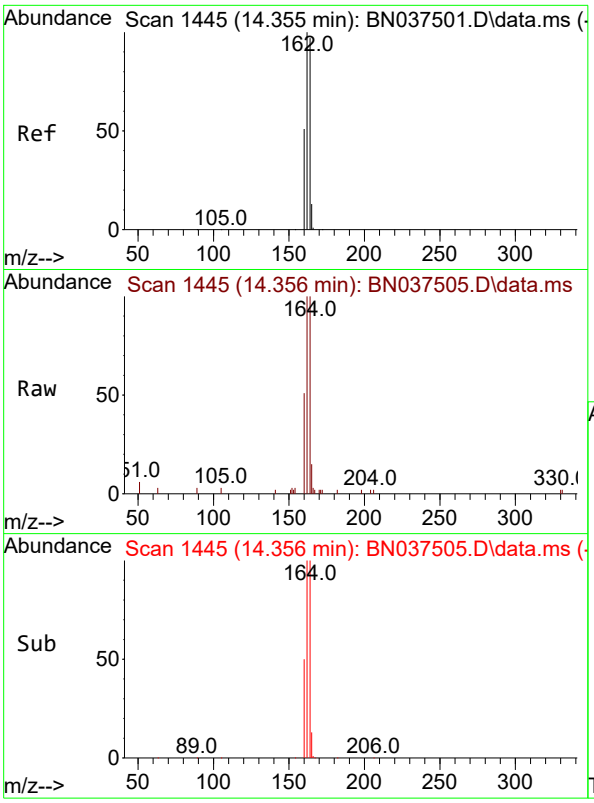


#12
2-Methylnaphthalene
Concen: 5.388 ng
RT: 12.172 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:142 Resp: 50973

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.4
115	34.8	29.0	43.4



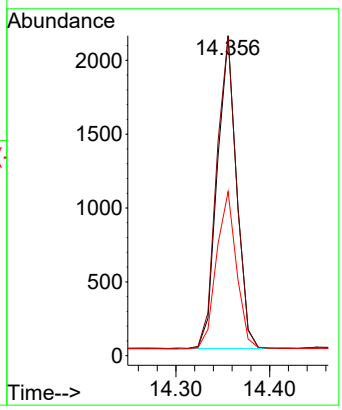


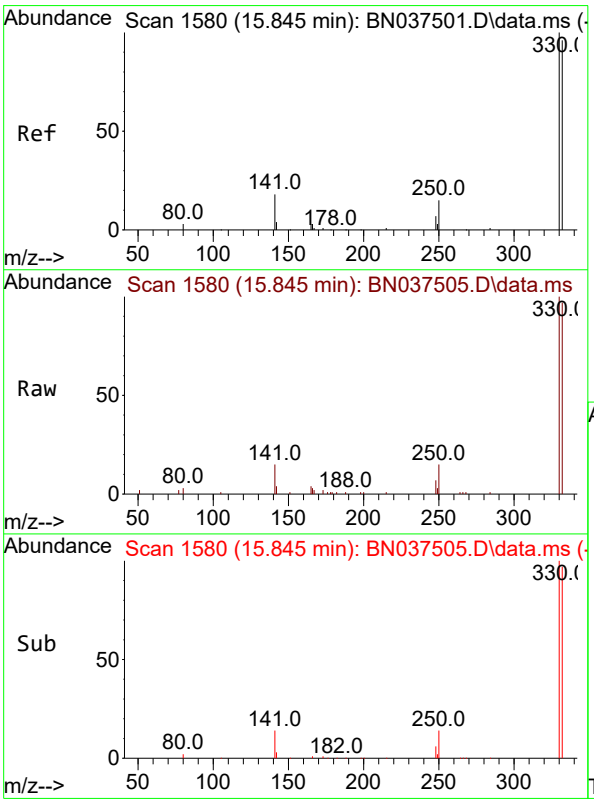
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 3026

Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.0	123.0
160	51.4	42.4	63.6

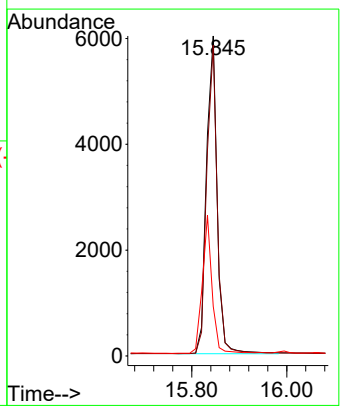


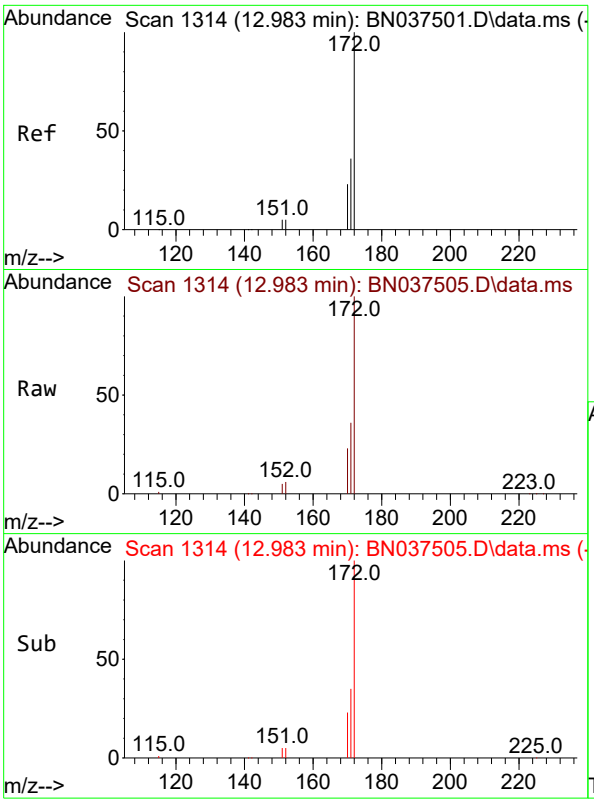


#14
2,4,6-Tribromophenol
Concen: 6.319 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:330 Resp: 9399

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.1	114.1
141	39.7	33.4	50.0



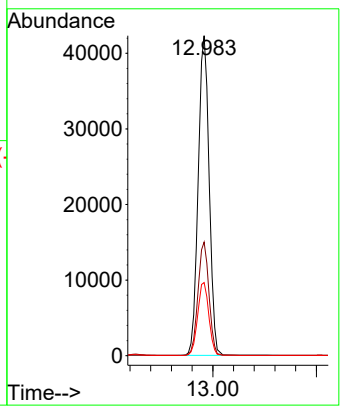


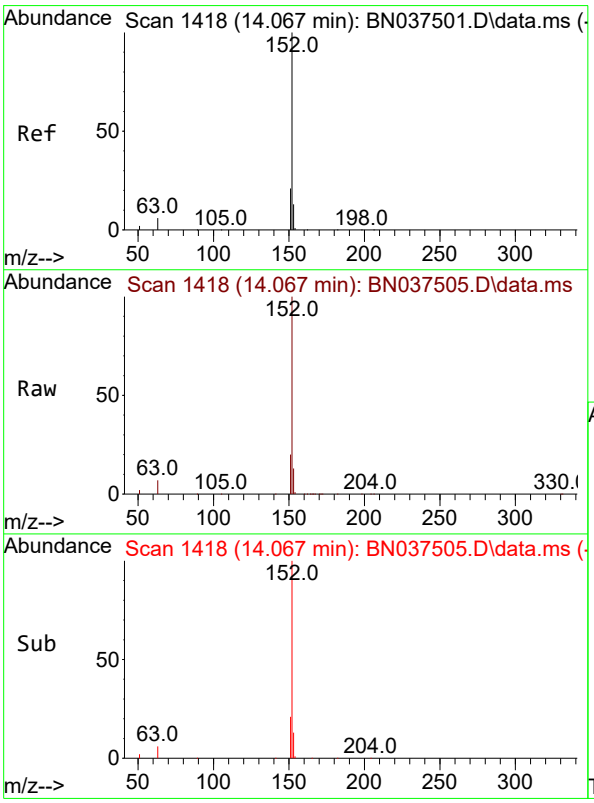
#15
2-Fluorobiphenyl
Concen: 5.761 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 90652

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.2
170	22.9	19.4	29.0

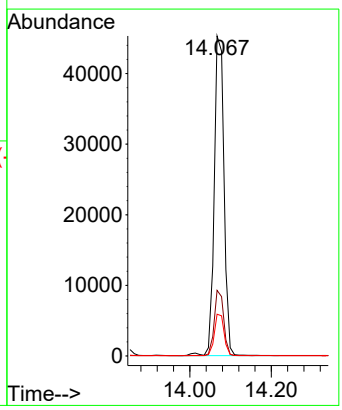


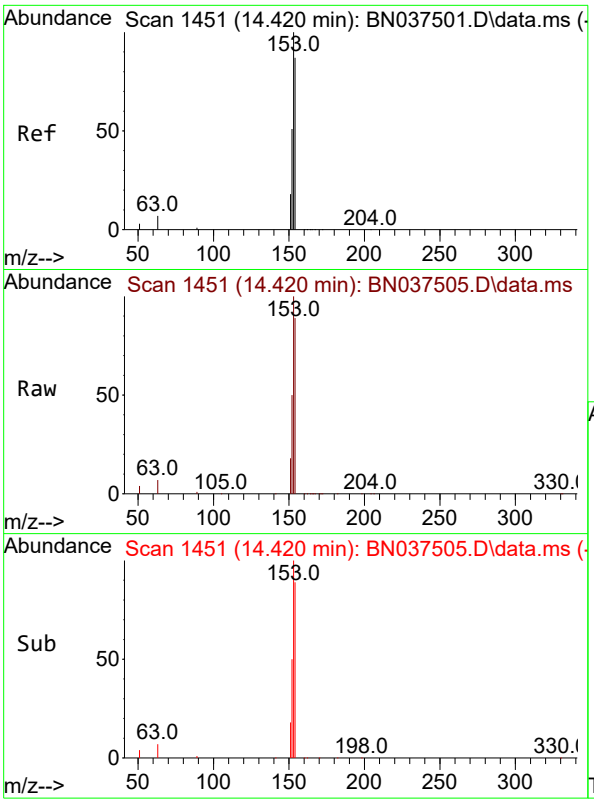


#16
Acenaphthylene
Concen: 5.528 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:152 Resp: 74932

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.0	10.7	16.1



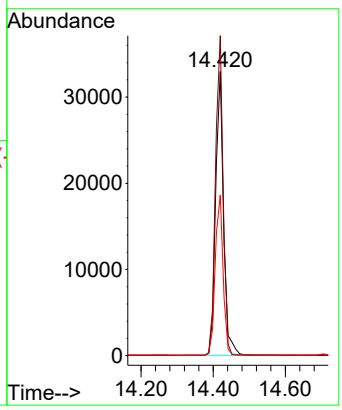


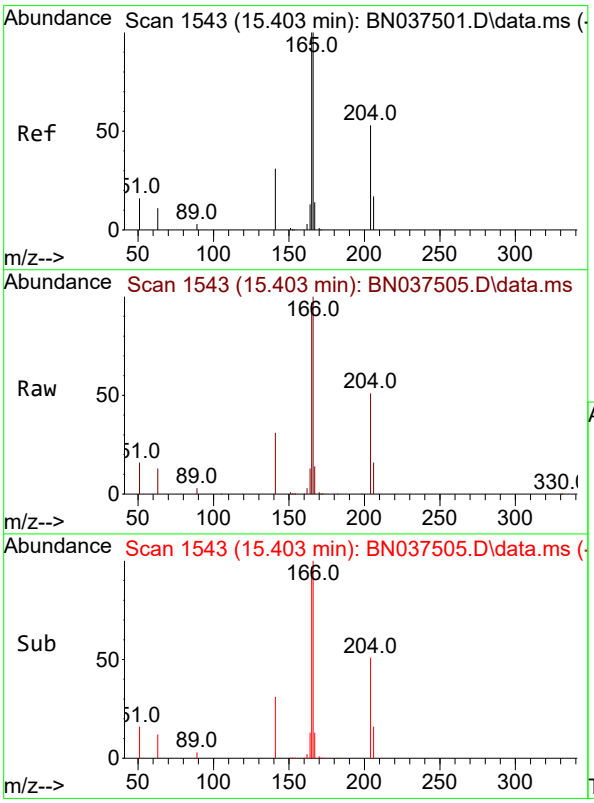
#17
Acenaphthene
Concen: 5.417 ng
RT: 14.420 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 49935

Ion	Ratio	Lower	Upper
154	100		
153	108.5	89.2	133.8
152	56.3	48.0	72.0

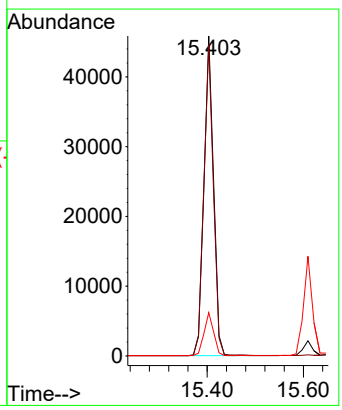


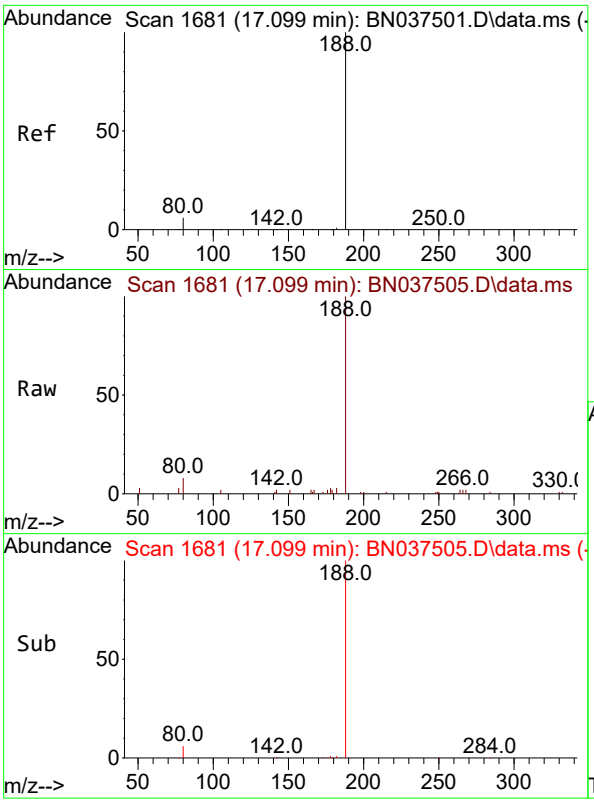


#18
Fluorene
Concen: 5.474 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:166 Resp: 64957

Ion	Ratio	Lower	Upper
166	100		
165	95.0	78.1	117.1
167	13.1	11.0	16.6



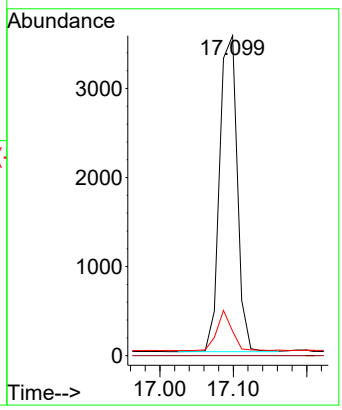


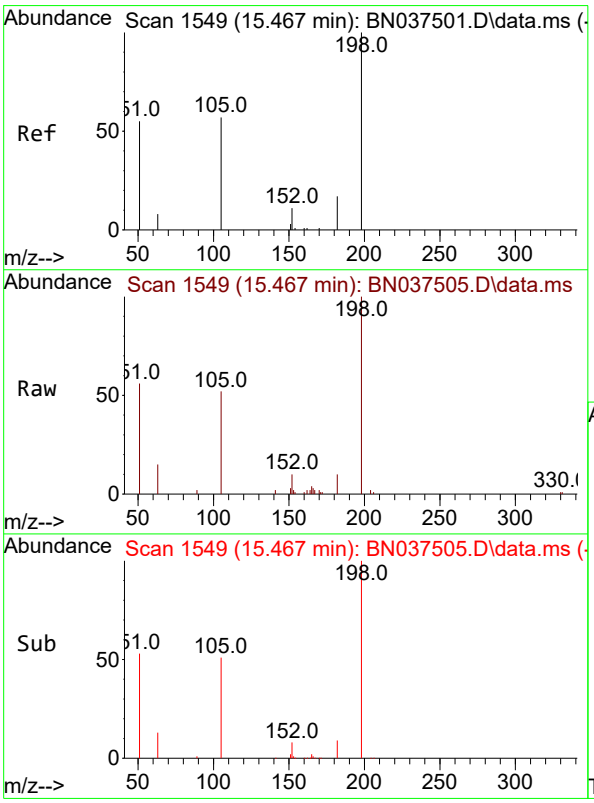
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 5918

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	6.0	9.0

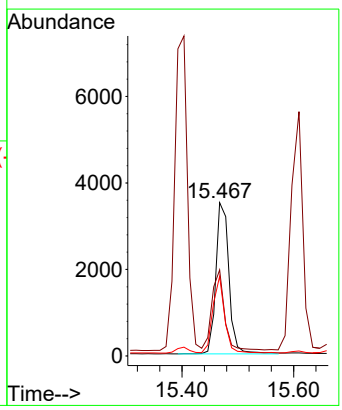


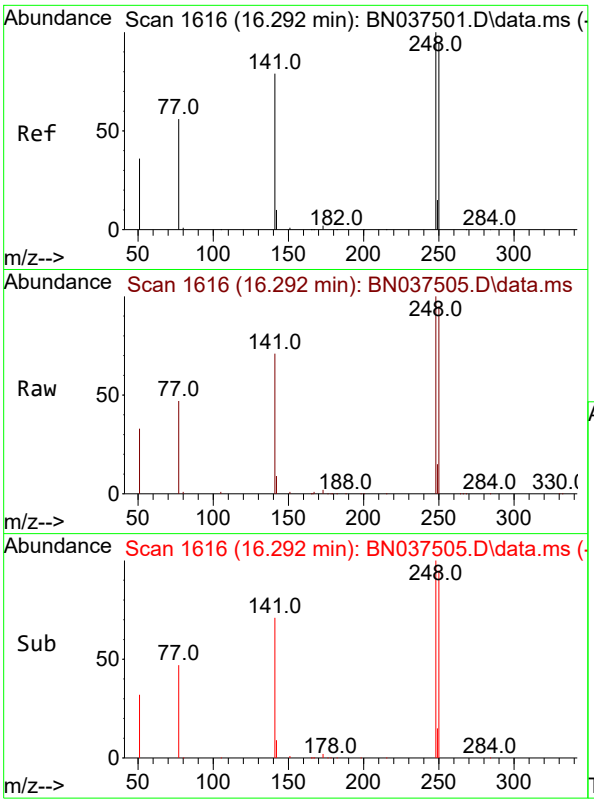


#20
4,6-Dinitro-2-methylphenol
Concen: 4.991 ng
RT: 15.467 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:198 Resp: 5939

Ion	Ratio	Lower	Upper
198	100		
51	56.1	88.5	132.7#
105	52.0	61.2	91.8#



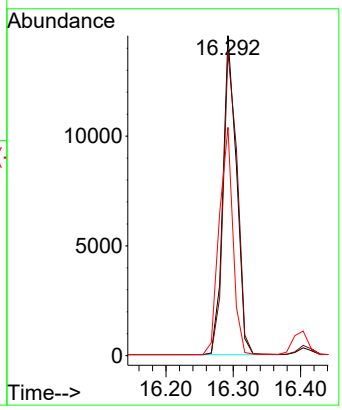


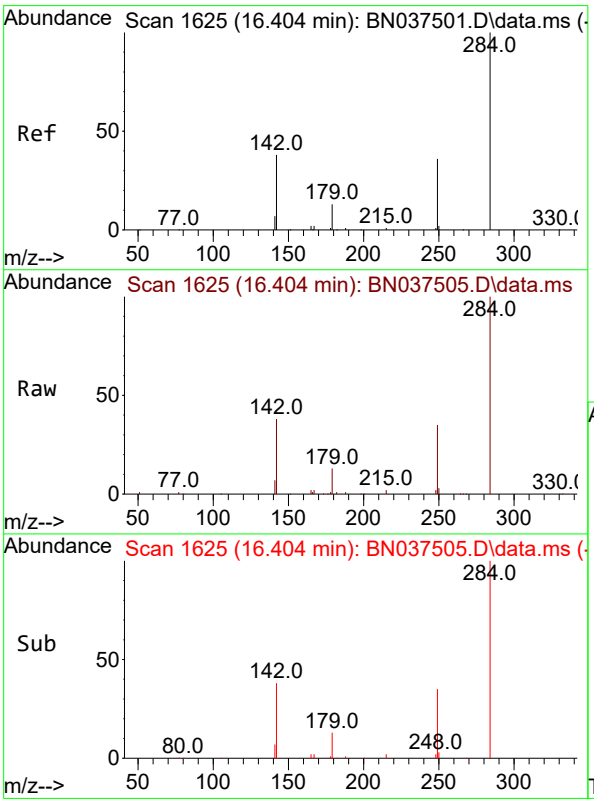
#21
4-Bromophenyl-phenylether
Concen: 5.344 ng
RT: 16.292 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 20263

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.2	114.2
141	71.4	63.9	95.9

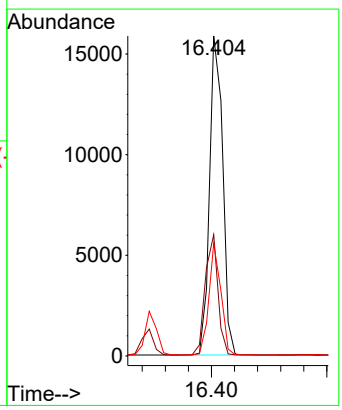


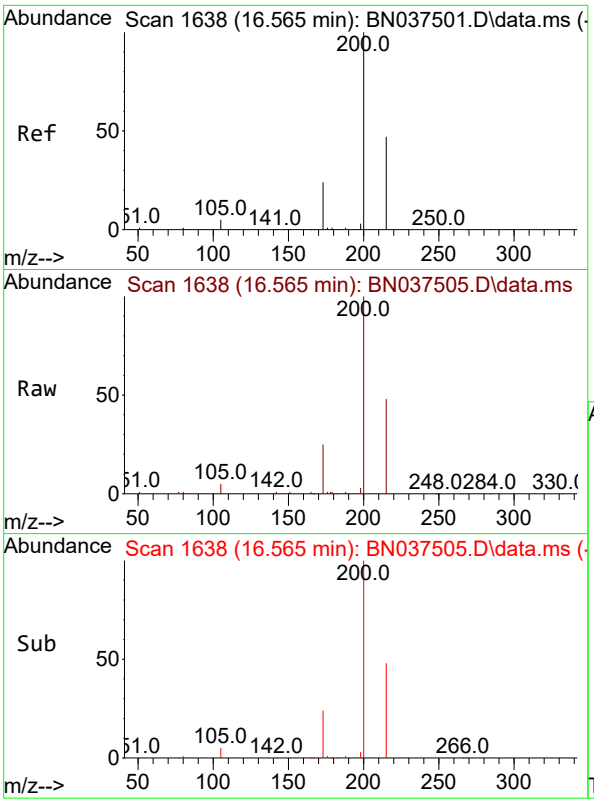


#22
Hexachlorobenzene
Concen: 5.106 ng
RT: 16.404 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:284 Resp: 25010

Ion	Ratio	Lower	Upper
284	100		
142	36.4	28.9	43.3
249	31.8	25.8	38.6



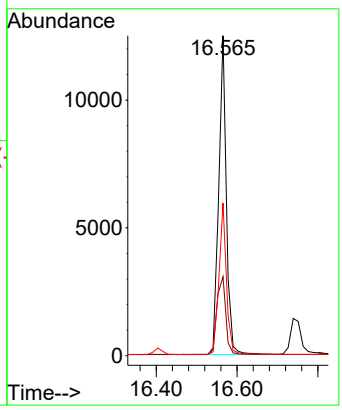


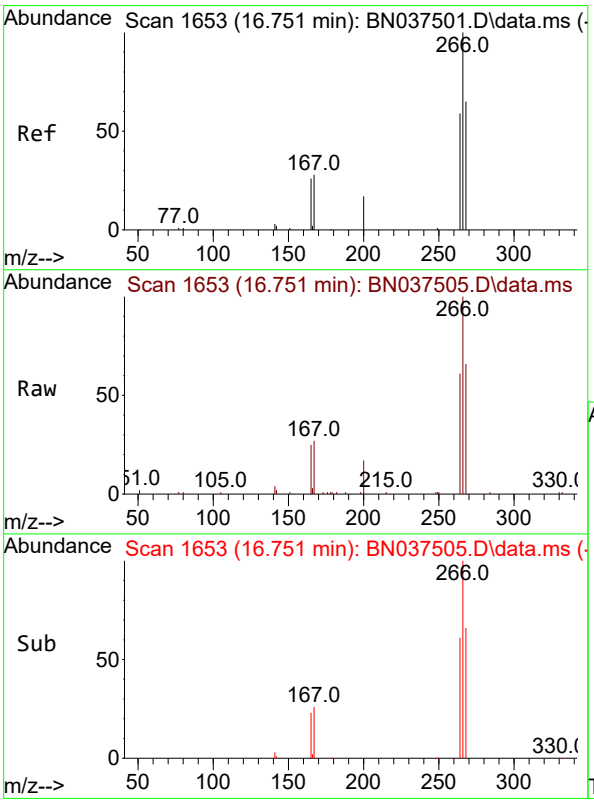
#23
Atrazine
Concen: 6.150 ng
RT: 16.565 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 16269

Ion	Ratio	Lower	Upper
200	100		
173	24.7	23.2	34.8
215	47.7	40.2	60.4

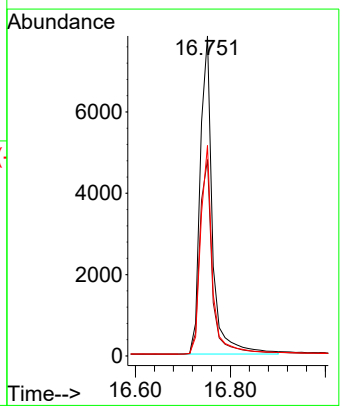


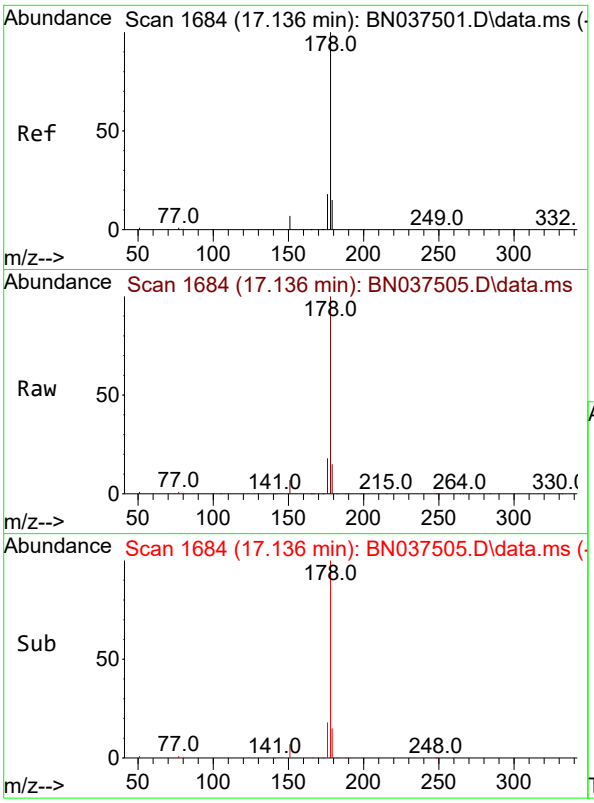


#24
Pentachlorophenol
Concen: 6.351 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:266 Resp: 13954

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.3	73.9
268	64.0	51.6	77.4



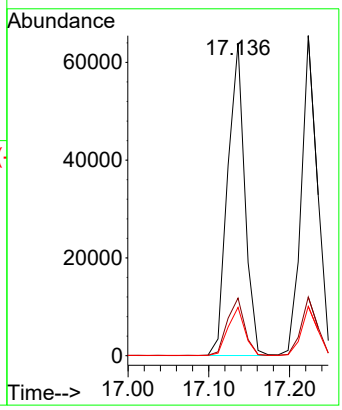


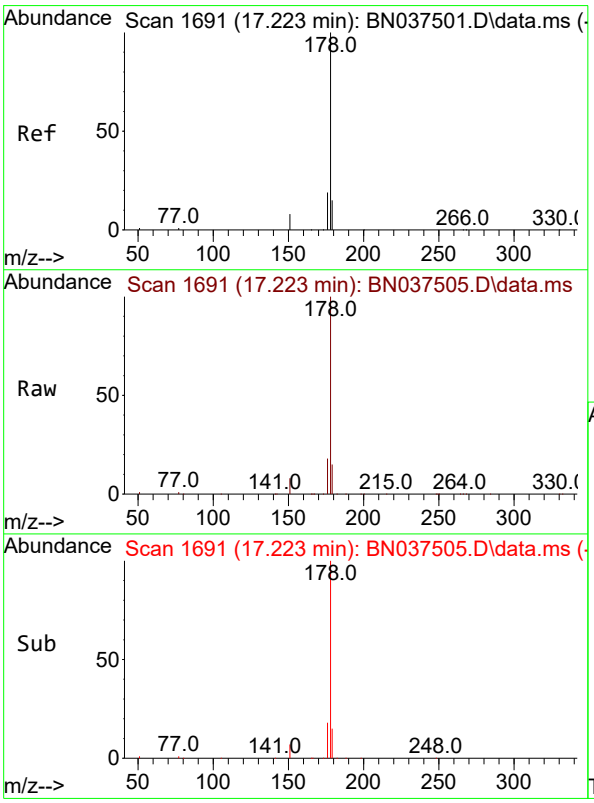
#25
Phenanthrene
Concen: 5.312 ng
RT: 17.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 94181

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.2	18.2

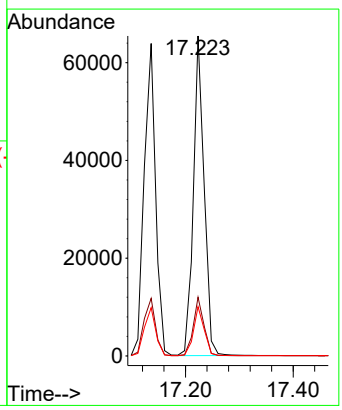


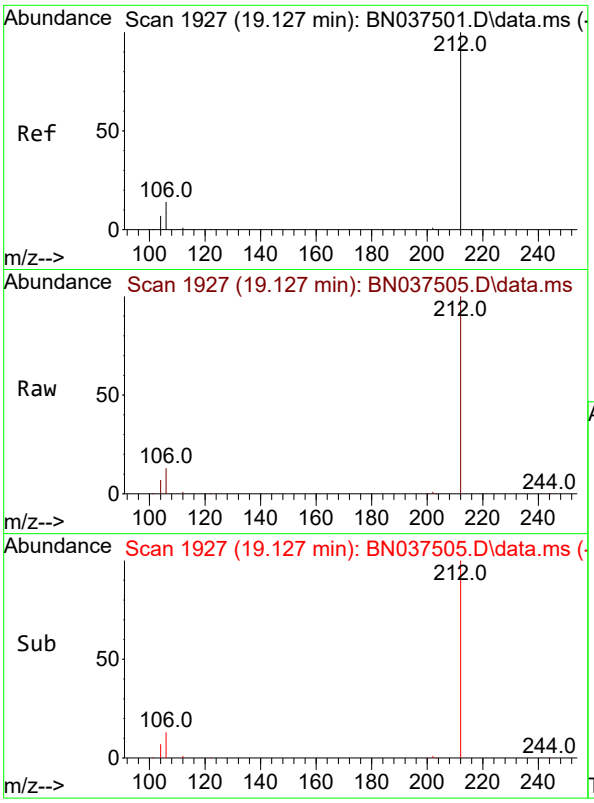


#26
Anthracene
Concen: 5.634 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:178 Resp: 91147

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.3	12.3	18.5



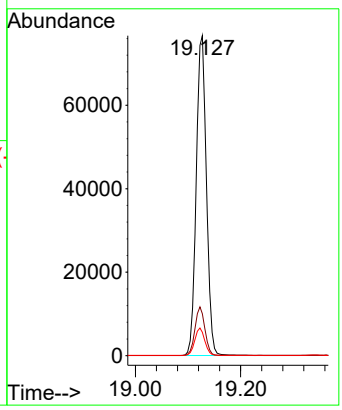


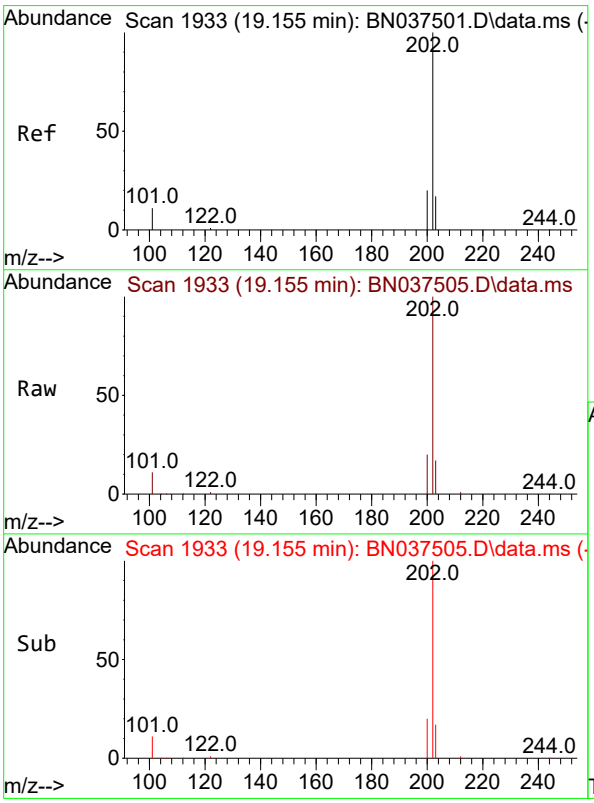
#27
Fluoranthene-d10
Concen: 6.537 ng
RT: 19.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 102473

Ion	Ratio	Lower	Upper
212	100		
106	14.8	12.2	18.4
104	8.4	6.7	10.1

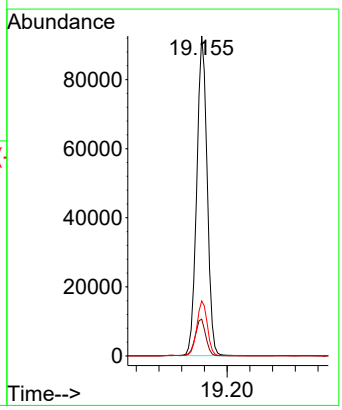


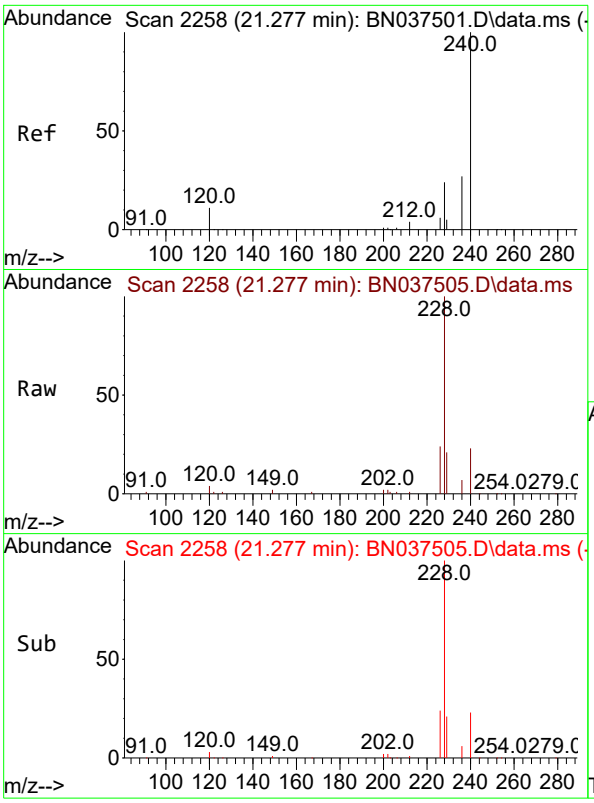


#28
Fluoranthene
Concen: 5.736 ng
RT: 19.155 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:202 Resp: 117280

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.6
203	17.3	13.6	20.4



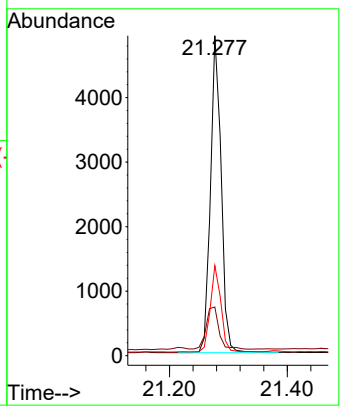


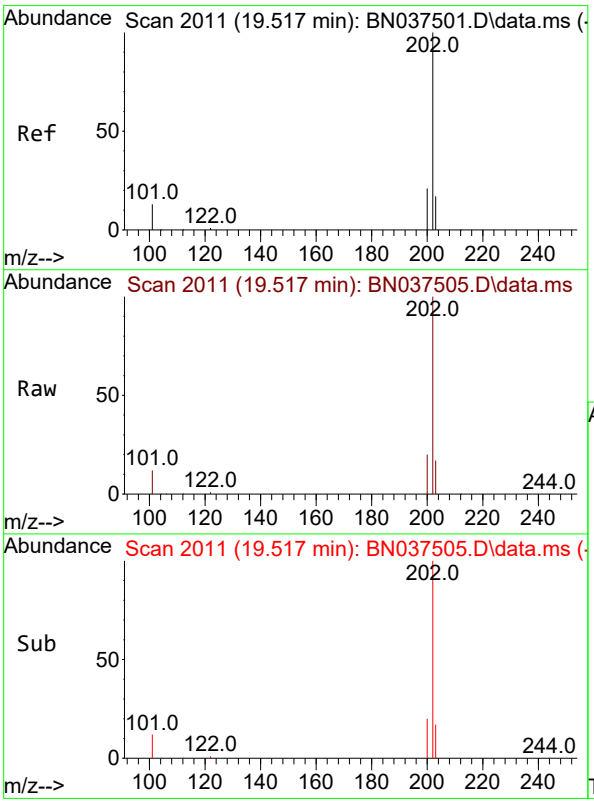
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 6176

Ion	Ratio	Lower	Upper
240	100		
120	15.2	10.7	16.1
236	28.1	22.6	33.8

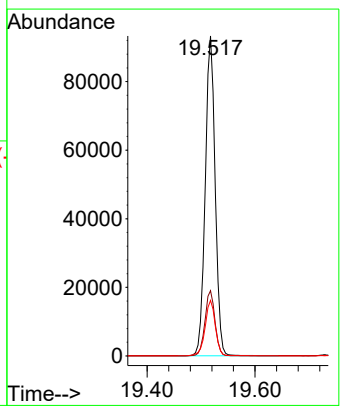


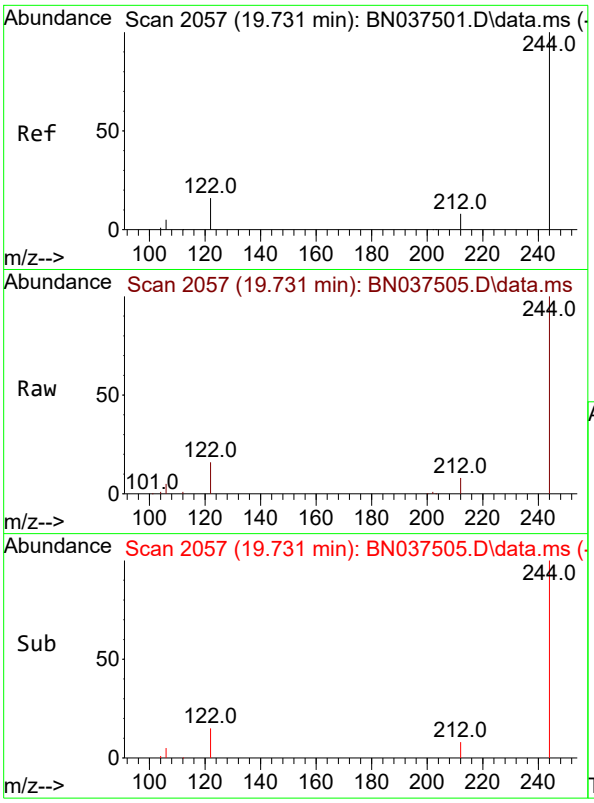


#30
Pyrene
Concen: 4.775 ng
RT: 19.517 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:202 Resp: 118804

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.8	14.3	21.5



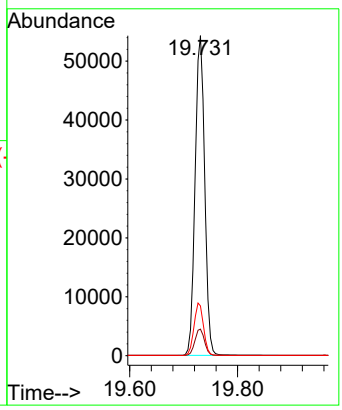


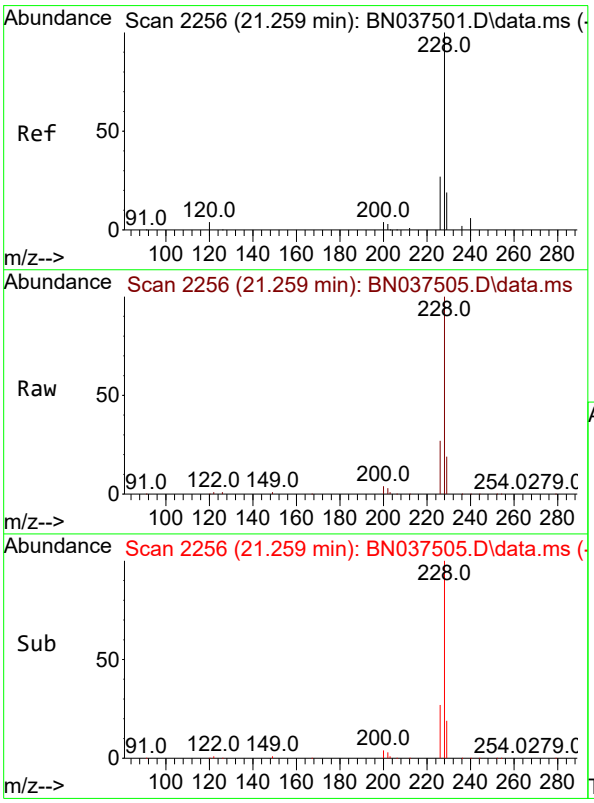
#31
Terphenyl-d14
Concen: 5.031 ng
RT: 19.731 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 66764

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.2
122	15.6	13.6	20.4

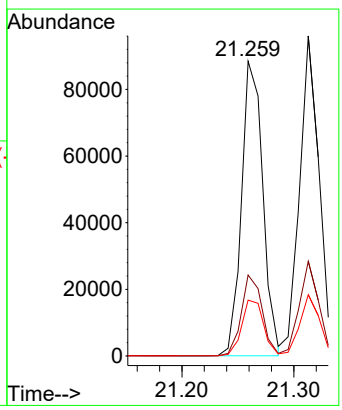


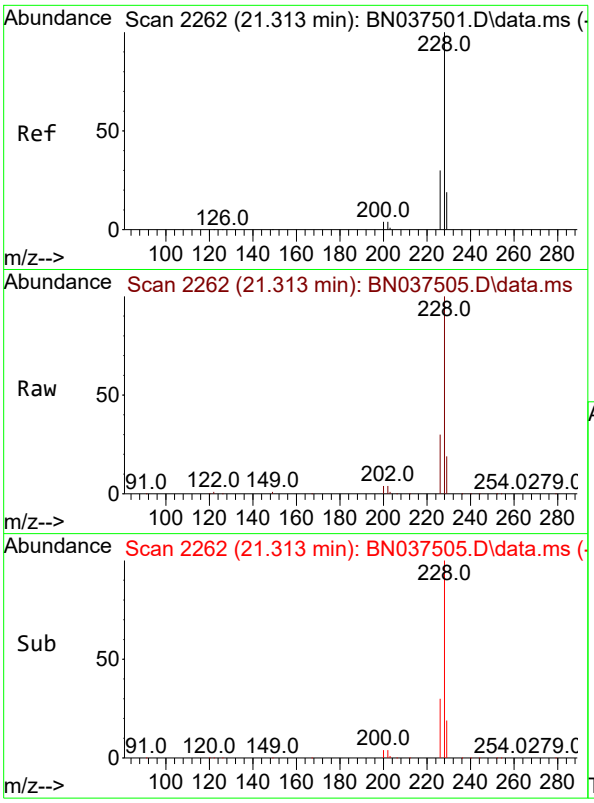


#32
Benzo(a)anthracene
Concen: 5.414 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:228 Resp: 117117

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	18.9	15.8	23.8



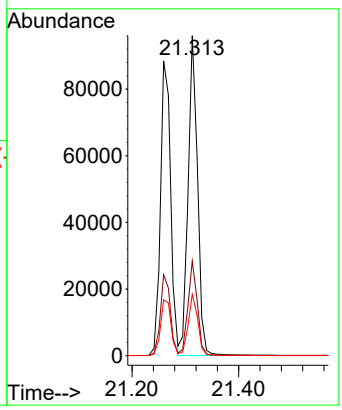


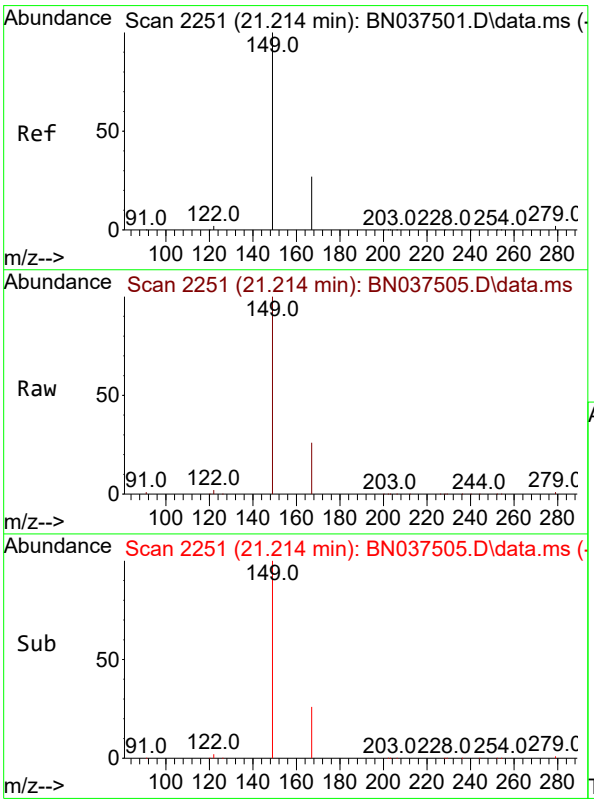
#33
Chrysene
Concen: 5.239 ng
RT: 21.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 117985

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.4
229	19.2	16.1	24.1

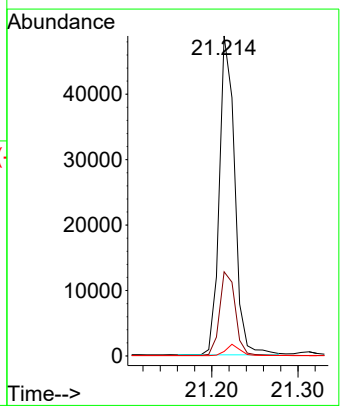


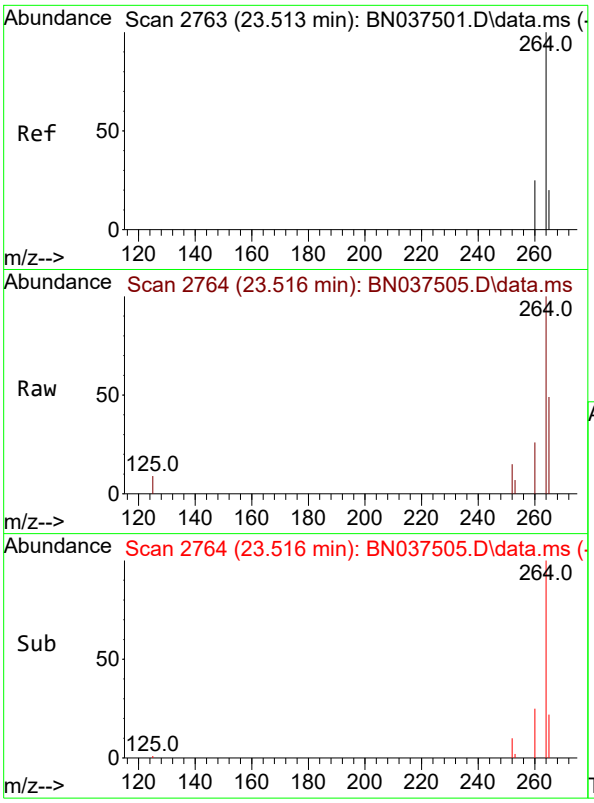


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.181 ng
RT: 21.214 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:149 Resp: 60154

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	3.2	3.0	4.4



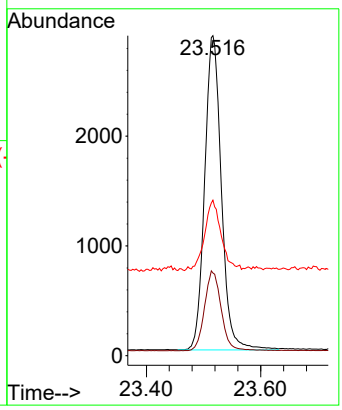


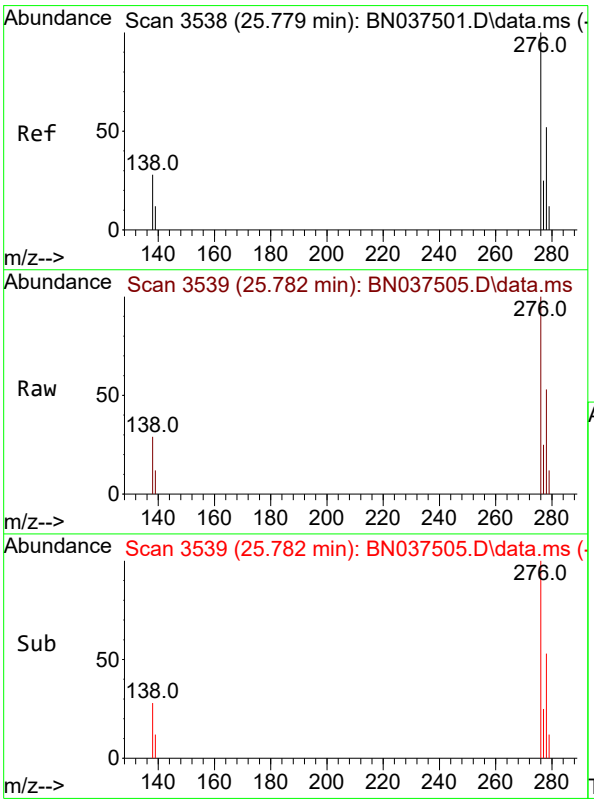
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.516 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 5810

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.2	31.8
265	48.6	40.4	60.6

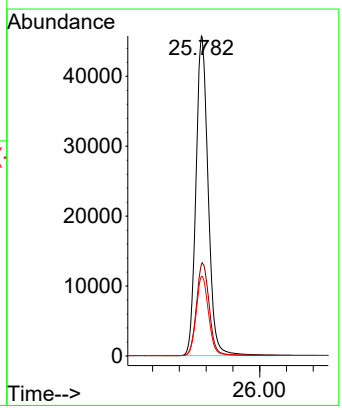


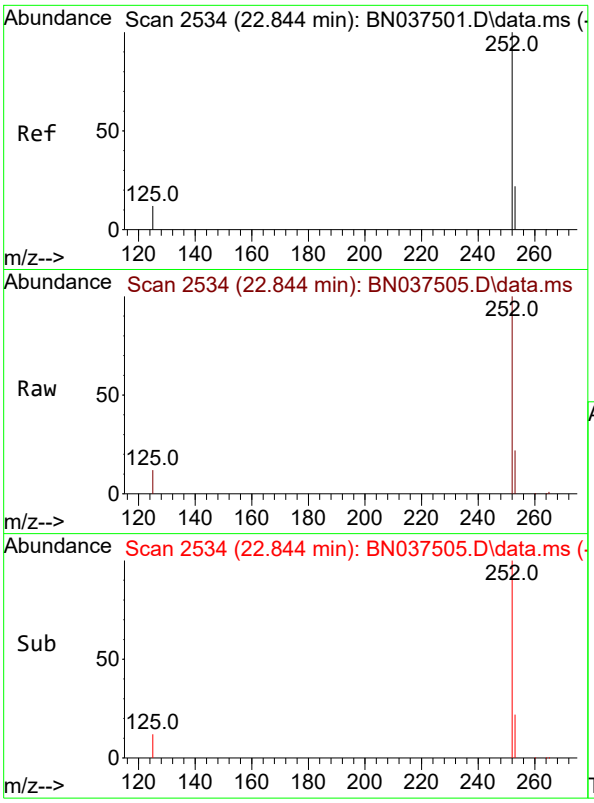


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.975 ng
RT: 25.782 min Scan# 3539
Delta R.T. 0.003 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:276 Resp: 144593

Ion	Ratio	Lower	Upper
276	100		
138	30.3	24.0	36.0
277	25.2	20.5	30.7



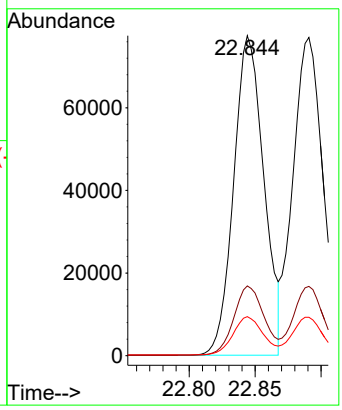


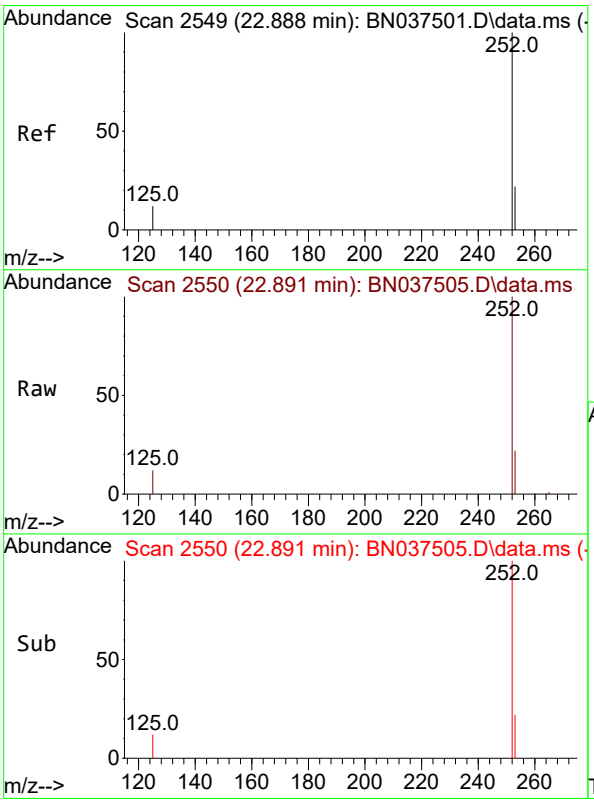
#37
Benzo(b)fluoranthene
Concen: 5.570 ng
RT: 22.844 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 122848

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.5	29.3
125	12.2	13.0	19.6#

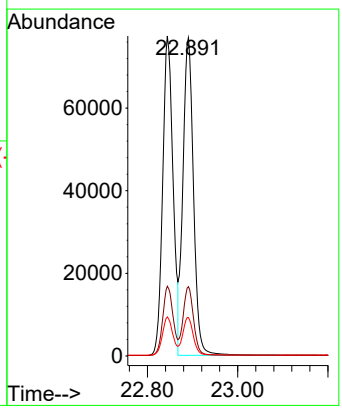


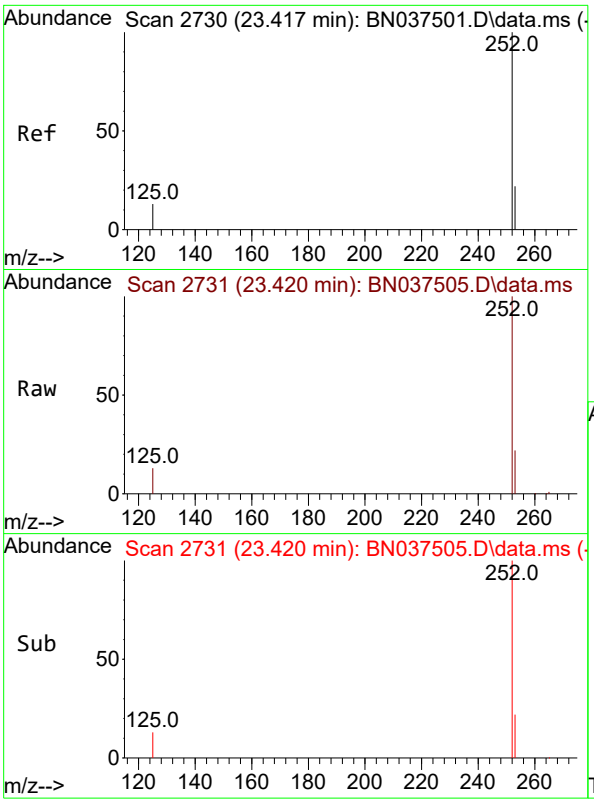


#38
Benzo(k)fluoranthene
Concen: 5.503 ng
RT: 22.891 min Scan# 2550
Delta R.T. 0.003 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:252 Resp: 125226

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.5	29.3
125	12.1	13.1	19.7#



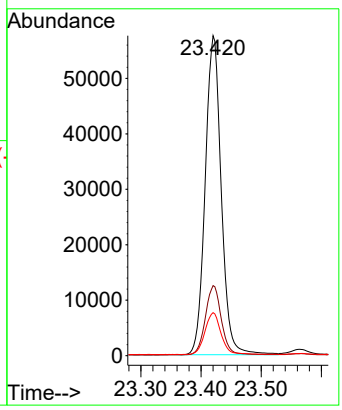


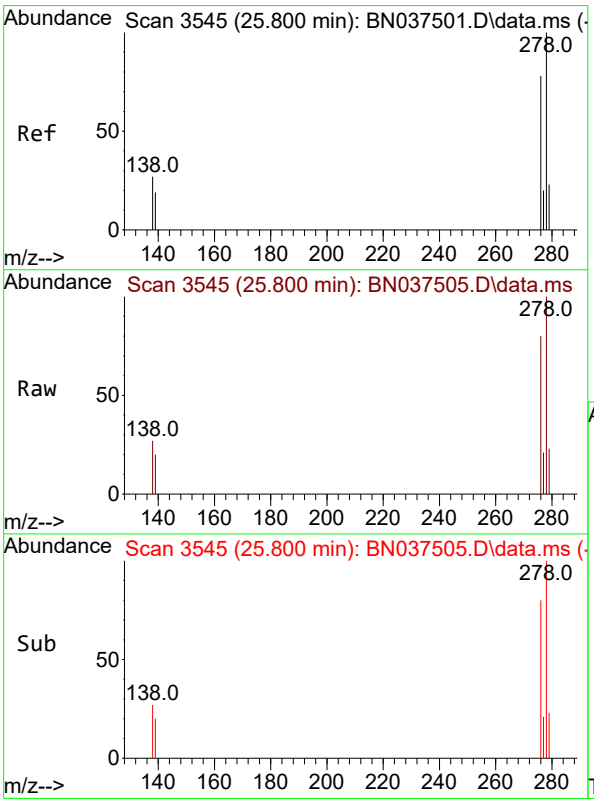
#39
Benzo(a)pyrene
Concen: 5.797 ng
RT: 23.420 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 106654

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.9	29.9
125	13.5	15.2	22.8#

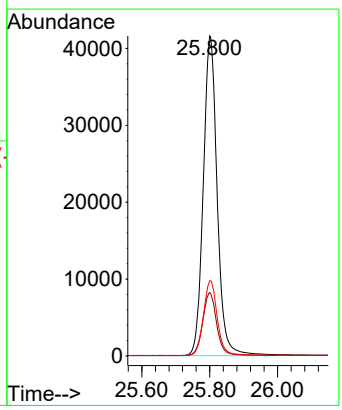


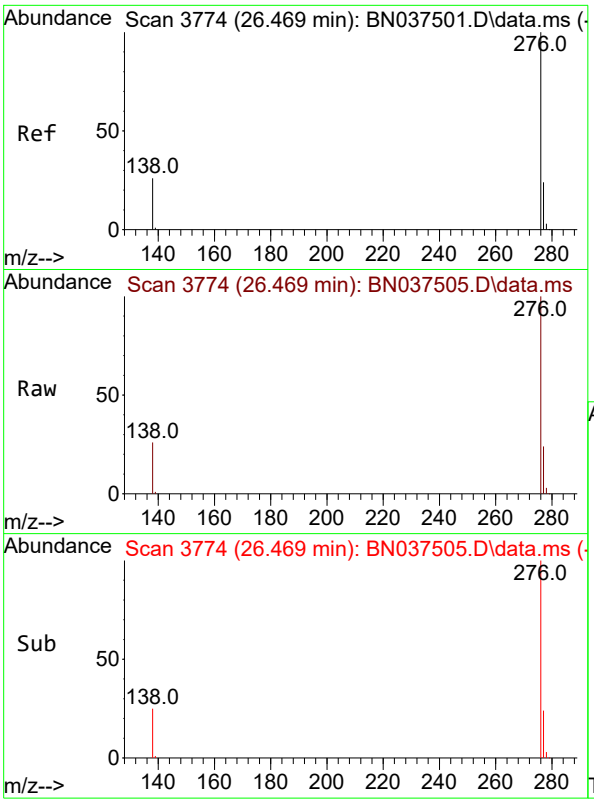


#40
Dibenzo(a,h)anthracene
Concen: 6.029 ng
RT: 25.800 min Scan# 3545
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Tgt Ion:278 Resp: 118164

Ion	Ratio	Lower	Upper
278	100		
139	19.8	17.5	26.3
279	23.5	21.3	31.9





#41
Benzo(g,h,i)perylene
Concen: 5.952 ng
RT: 26.469 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037505.D
Acq: 15 Jul 2025 16:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 120757

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.9	31.3
138	25.6	22.6	33.8