Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037489.D
Acq On : 14 Jul 2025 13:27
Operator : RC/JU
Sample : Q2580-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Quant Time: Jul 14 14:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

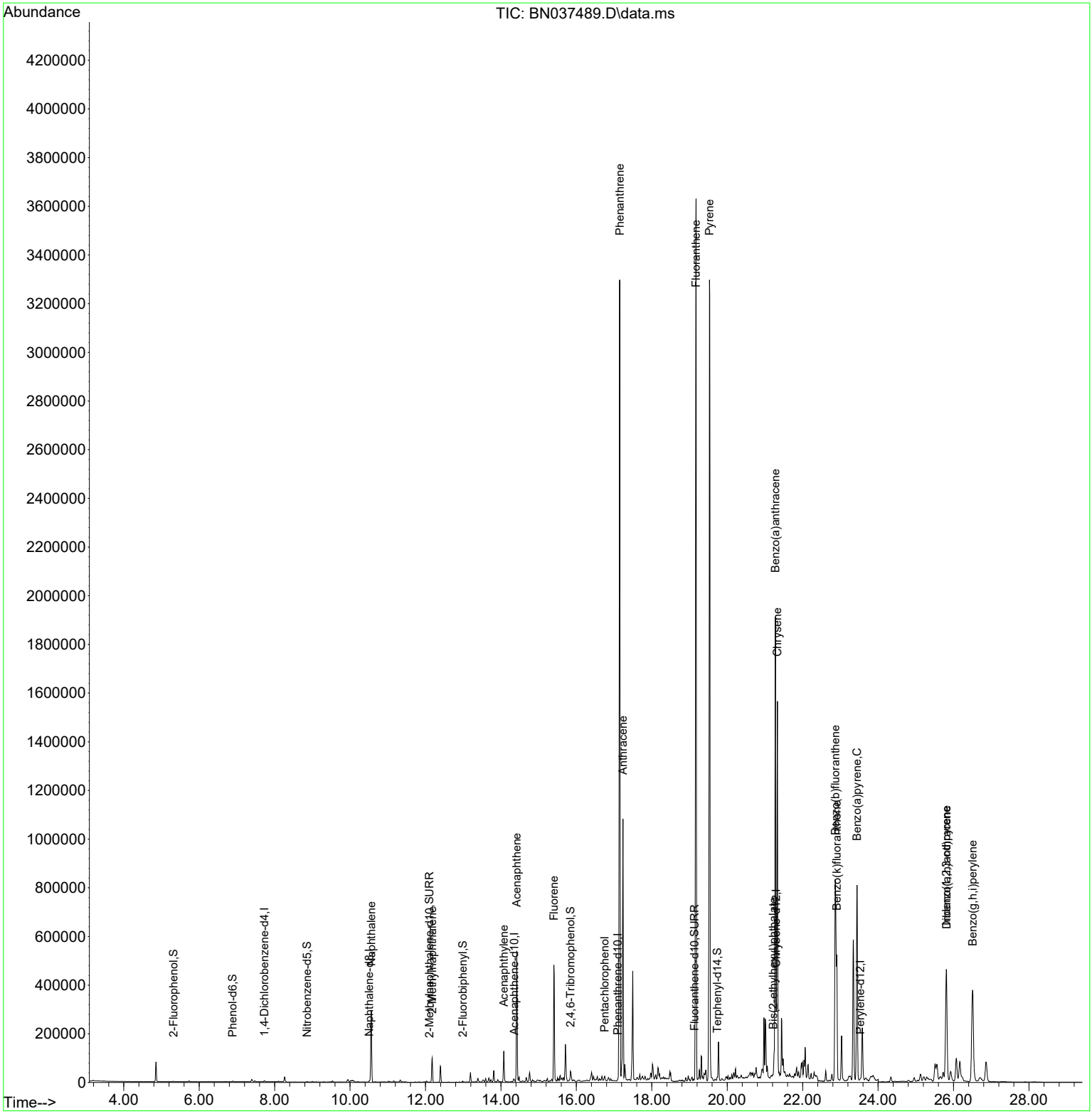
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2071	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5897	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	4587	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	9509	0.400	ng	# 0.00
29) Chrysene-d12	21.295	240	11681	0.400	ng	0.00
35) Perylene-d12	23.531	264	9121	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1524	0.316	ng	0.00
5) Phenol-d6	6.887	99	1995	0.329	ng	0.00
8) Nitrobenzene-d5	8.864	82	1351	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	2485	0.310	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	690	0.444	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	5409	0.207	ng	0.00
27) Fluoranthene-d10	19.136	212	7712	0.321	ng	0.00
31) Terphenyl-d14	19.736	244	8955	0.367	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.562	128	369633	23.329	ng	96
12) 2-Methylnaphthalene	12.177	142	69368	6.990	ng	98
16) Acenaphthylene	14.077	152	129106	6.173	ng	99
17) Acenaphthene	14.420	154	254222	18.114	ng	94
18) Fluorene	15.403	166	312082	17.698	ng	99
24) Pentachlorophenol	16.751	266	1405	0.498	ng	97
25) Phenanthrene	17.148	178	3314102	114.461	ng	99
26) Anthracene	17.235	178	1058519m	40.510	ng	
28) Fluoranthene	19.173	202	3564821	112.198	ng	99
30) Pyrene	19.531	202	3282425	69.895	ng	# 92
32) Benzo(a)anthracene	21.277	228	1590188	40.199	ng	97
33) Chrysene	21.331	228	1364959	31.567	ng	97
34) Bis(2-ethylhexyl)phtha...	21.223	149	7348	0.546	ng	95
36) Indeno(1,2,3-cd)pyrene	25.811	276	726238	20.514	ng	95
37) Benzo(b)fluoranthene	22.867	252	1442011m	40.654	ng	
38) Benzo(k)fluoranthene	22.905	252	551976m	15.352	ng	
39) Benzo(a)pyrene	23.440	252	1106039m	38.746	ng	
40) Dibenzo(a,h)anthracene	25.814	278	163248	5.717	ng	90
41) Benzo(g,h,i)perylene	26.504	276	803235	25.680	ng	93

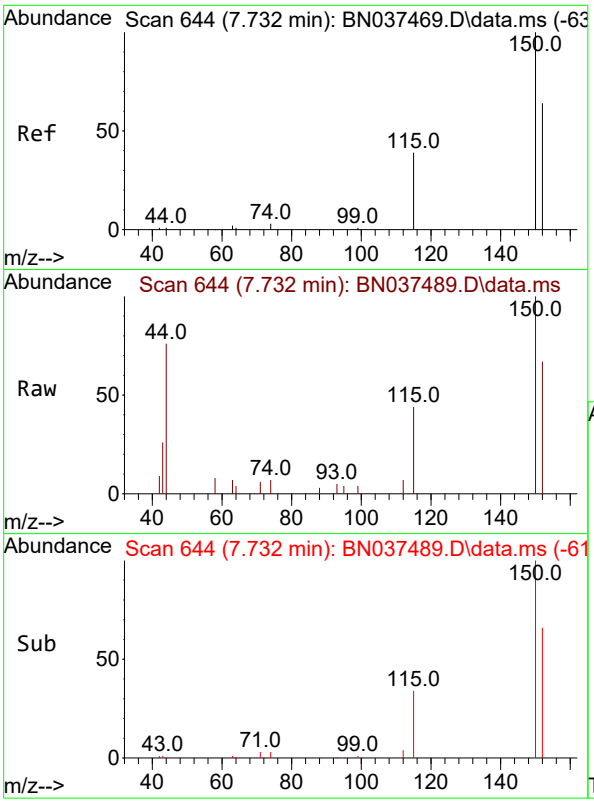
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037489.D
Acq On : 14 Jul 2025 13:27
Operator : RC/JU
Sample : Q2580-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Quant Time: Jul 14 14:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration



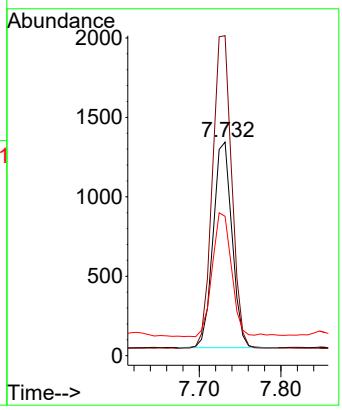


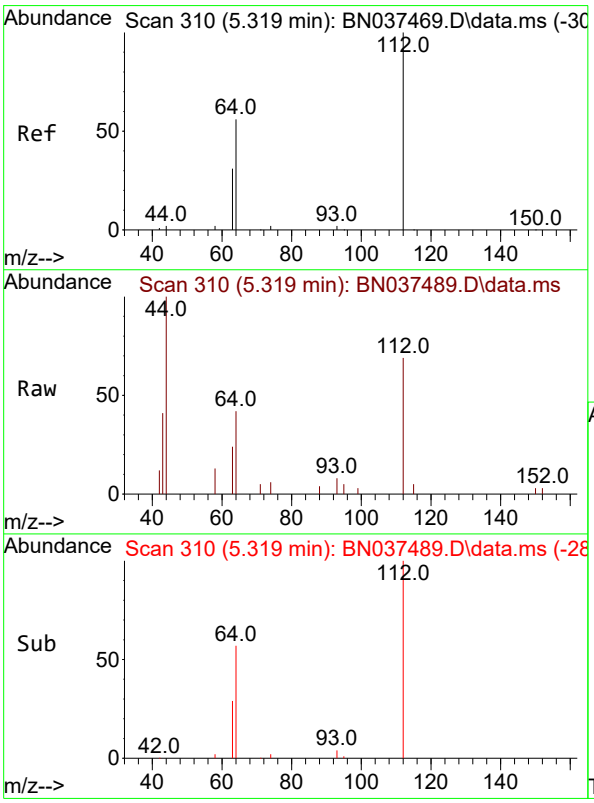
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:152 Resp: 2071

Ion	Ratio	Lower	Upper
152	100		
150	149.7	122.5	183.7
115	65.2	49.9	74.9

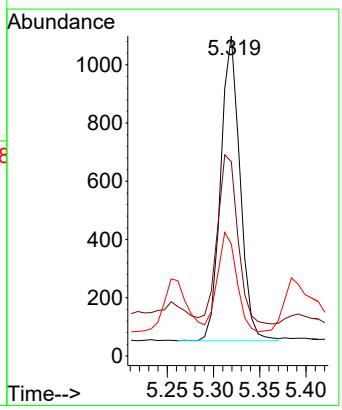


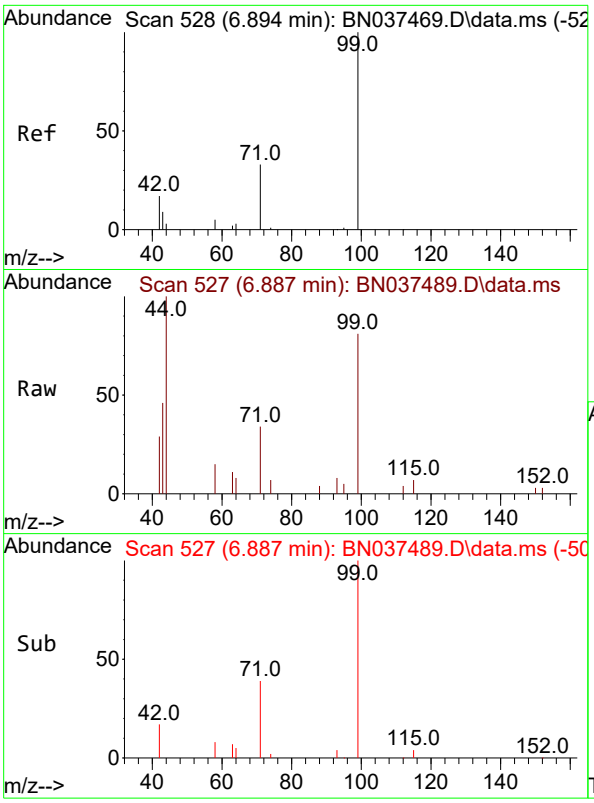


#4
2-Fluorophenol
Concen: 0.316 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:112 Resp: 1524

Ion	Ratio	Lower	Upper
112	100		
64	65.7	45.4	68.0
63	32.2	24.7	37.1



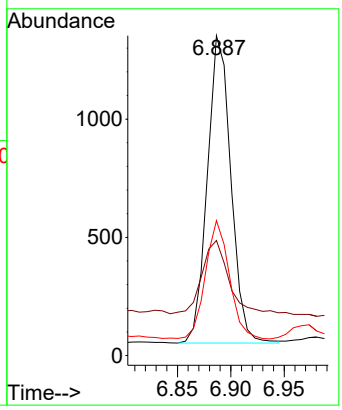


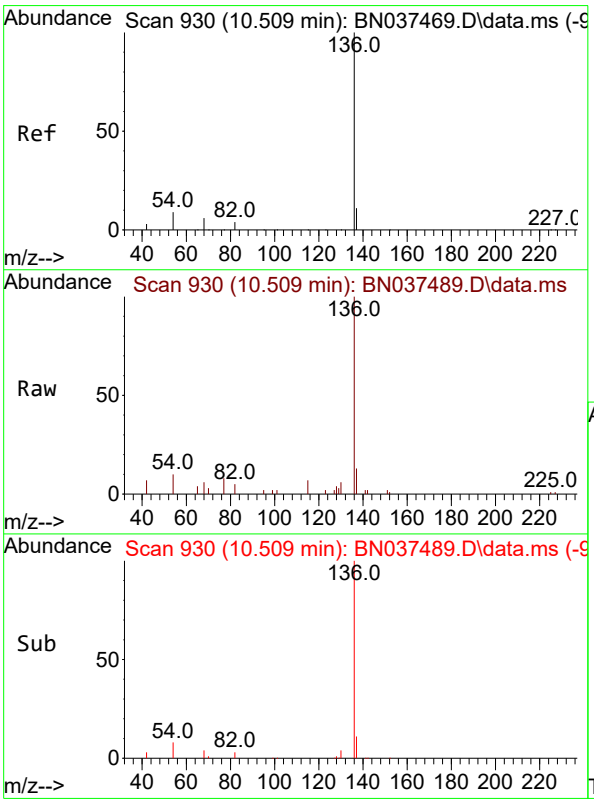
#5
Phenol-d6
Concen: 0.329 ng
RT: 6.887 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion: 99 Resp: 1995

Ion	Ratio	Lower	Upper
99	100		
42	31.0	19.5	29.3#
71	39.4	29.4	44.2

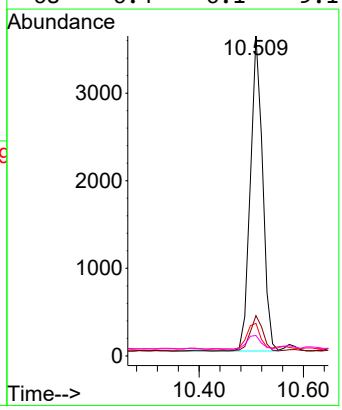


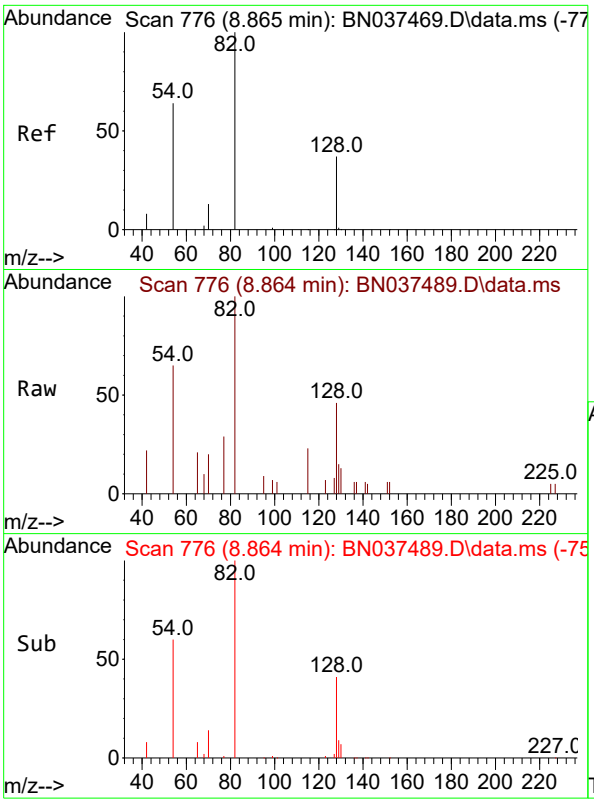


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:136 Resp: 5897

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.0	15.0
54	10.2	9.0	13.6
68	6.4	6.1	9.1



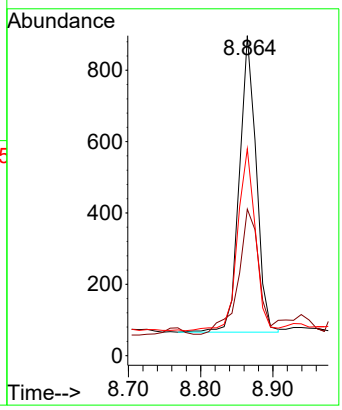


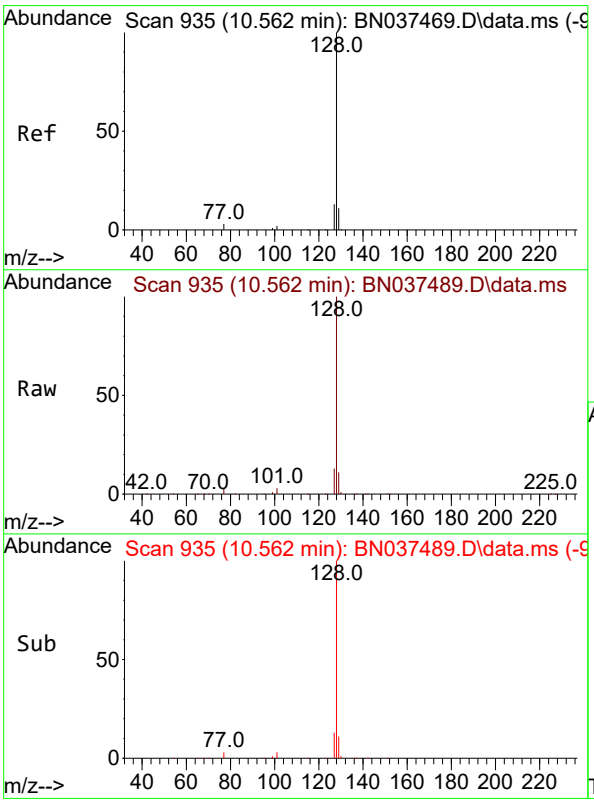
#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 8.864 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion: 82 Resp: 1351

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.1	49.7
54	64.7	53.0	79.4

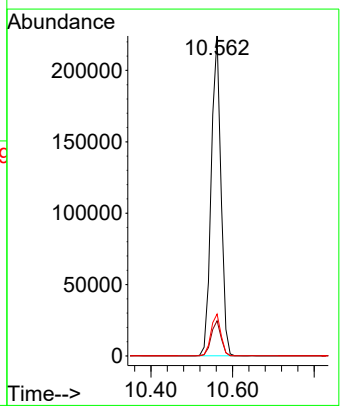


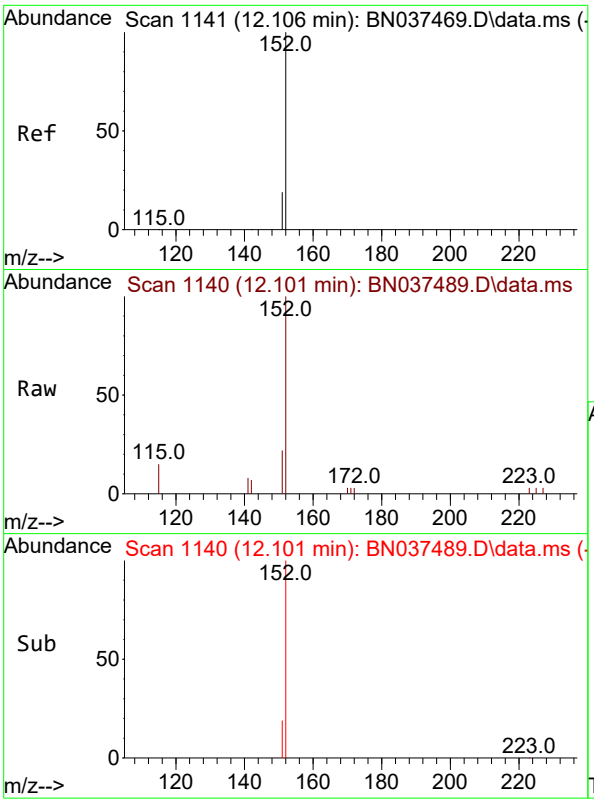


#9
Naphthalene
Concen: 23.329 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:128 Resp: 369633

Ion	Ratio	Lower	Upper
128	100		
129	11.0	10.2	15.2
127	13.1	11.8	17.6



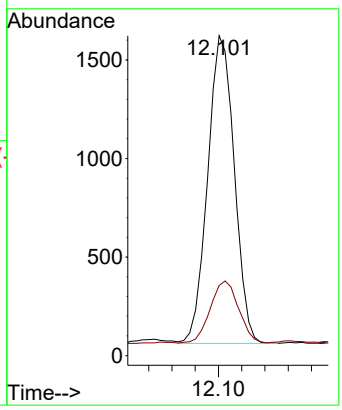


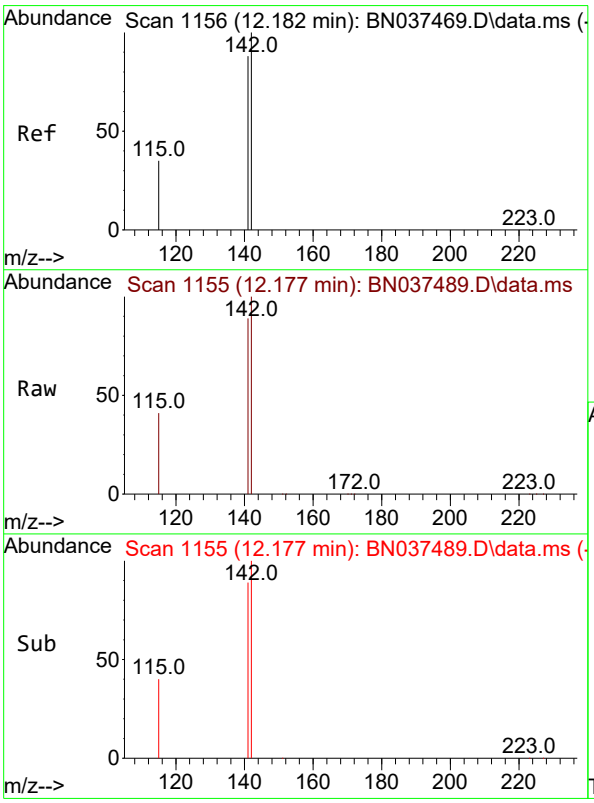
#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.101 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:152 Resp: 2485

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6

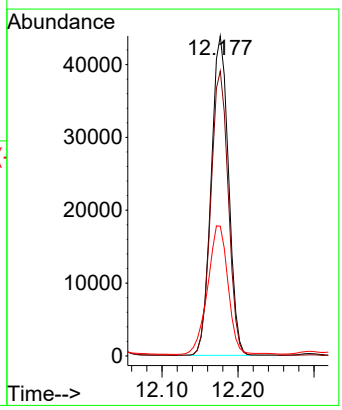


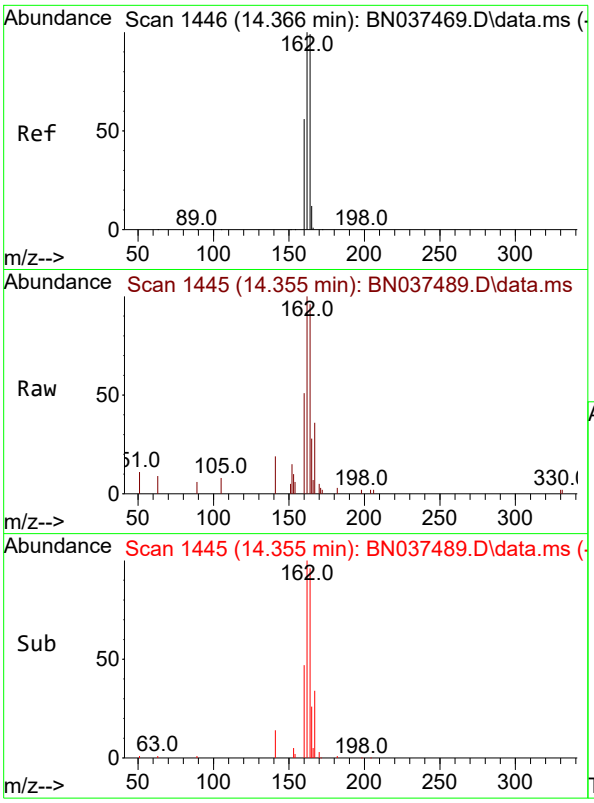


#12
2-Methylnaphthalene
Concen: 6.990 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:142 Resp: 69368

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	105.8
115	40.5	30.0	45.0



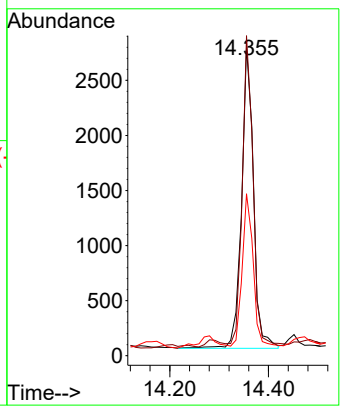


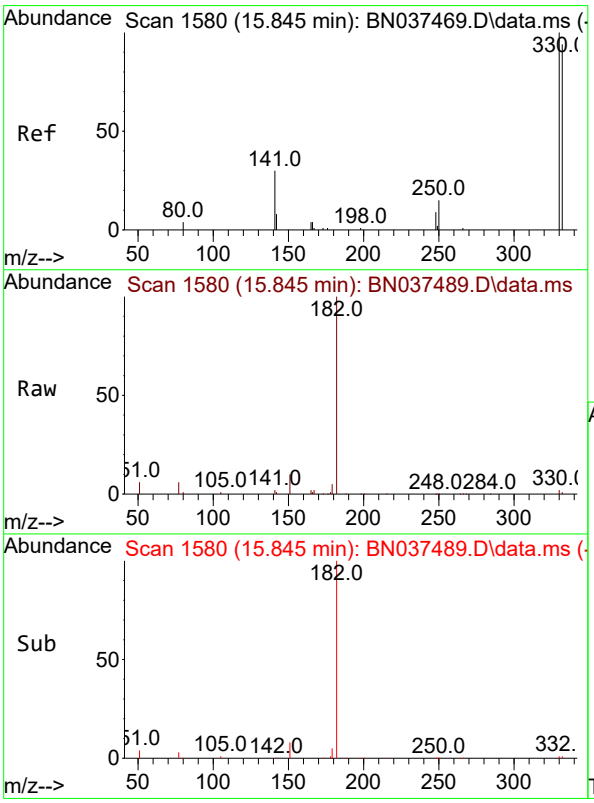
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:164 Resp: 4587

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.1	121.7
160	52.5	46.5	69.7

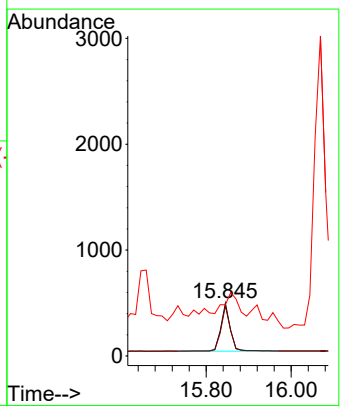


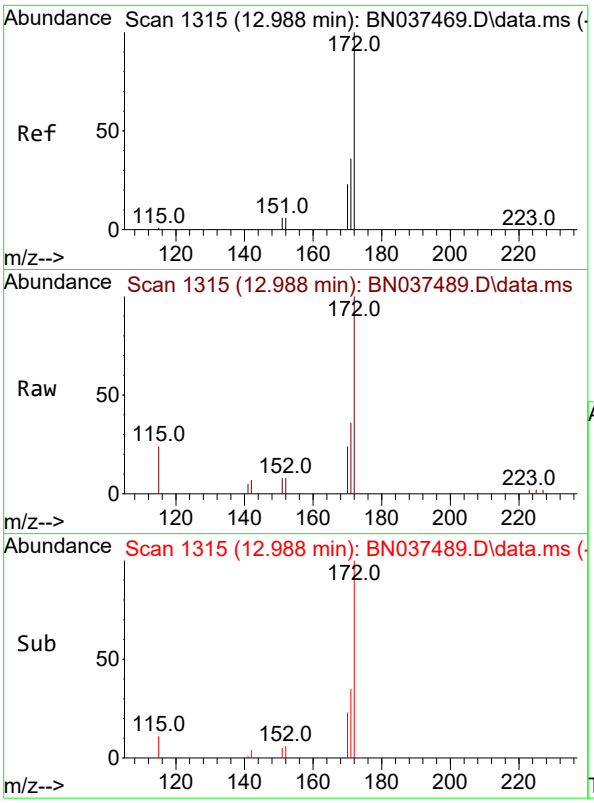


#14
2,4,6-Tribromophenol
Concen: 0.444 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:330 Resp: 690

Ion	Ratio	Lower	Upper
330	100		
332	93.6	82.0	123.0
141	95.2	36.2	54.2#



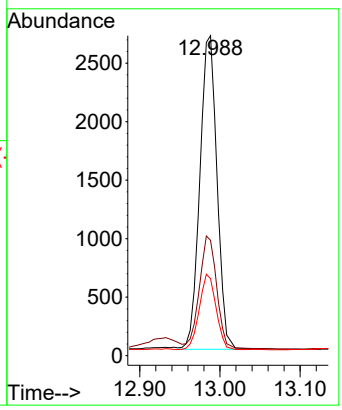


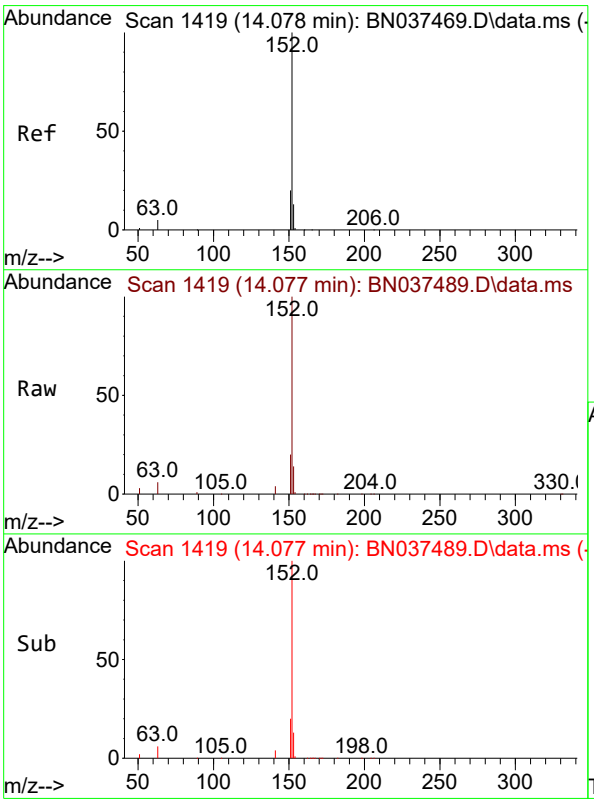
#15
2-Fluorobiphenyl
Concen: 0.207 ng
RT: 12.988 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:172 Resp: 5409

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.8
170	24.1	20.0	30.0

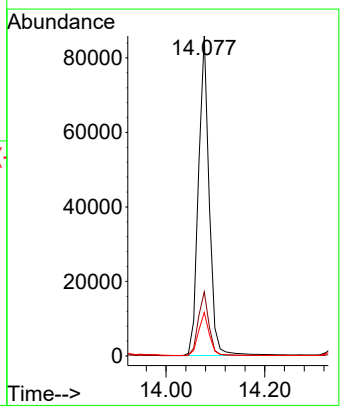


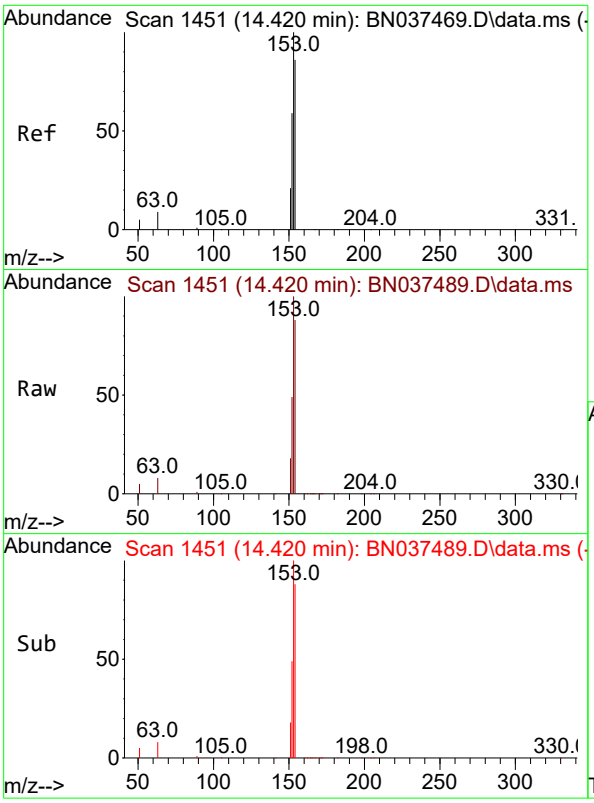


#16
Acenaphthylene
Concen: 6.173 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:152 Resp: 129106

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	13.6	10.6	15.8



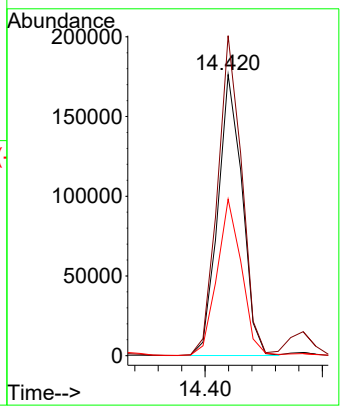


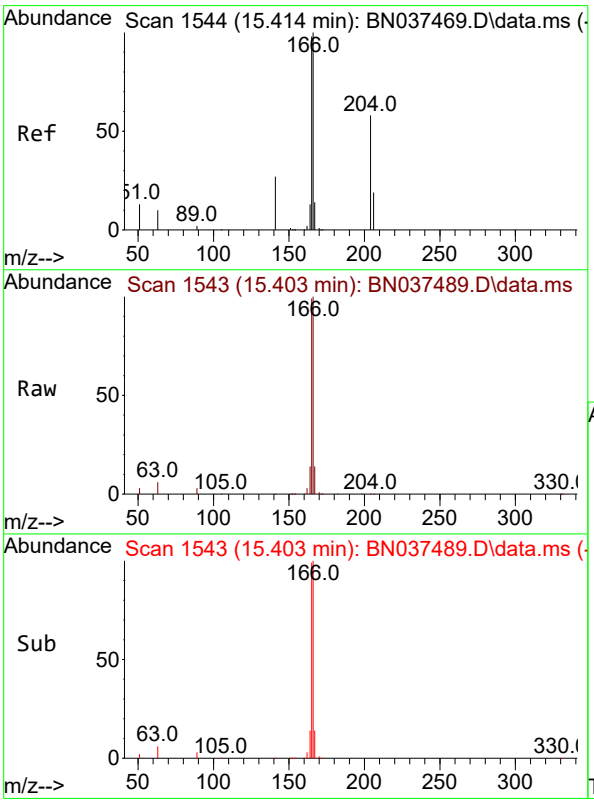
#17
Acenaphthene
Concen: 18.114 ng
RT: 14.420 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:154 Resp: 254222

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.4	134.0
152	56.5	53.2	79.8

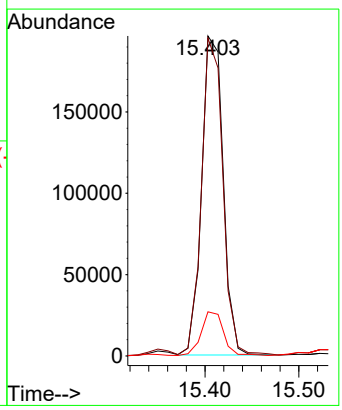


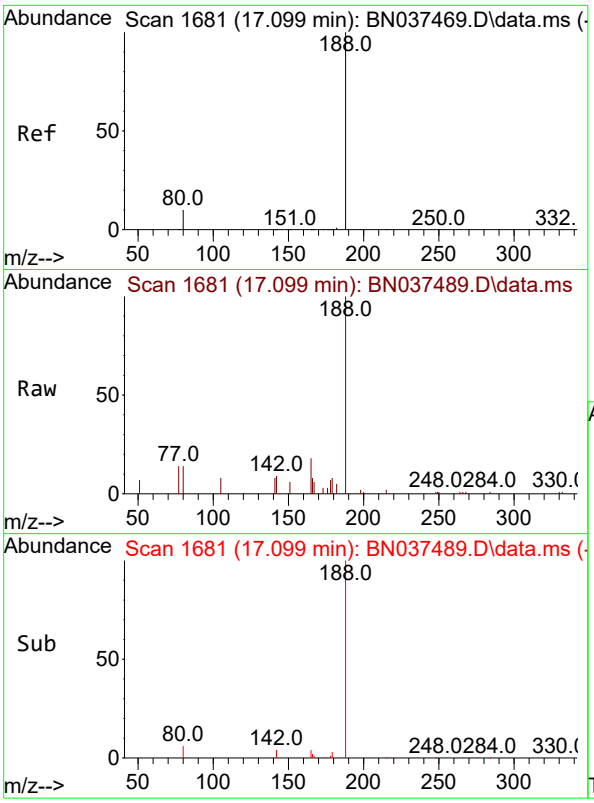


#18
Fluorene
Concen: 17.698 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:166 Resp: 312082

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.4	119.2
167	14.2	10.6	15.8



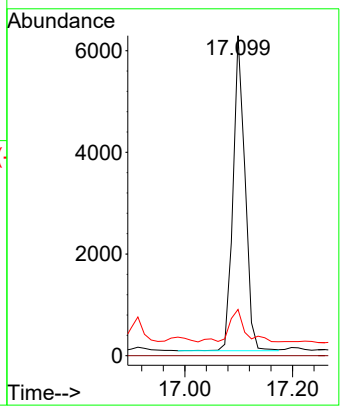


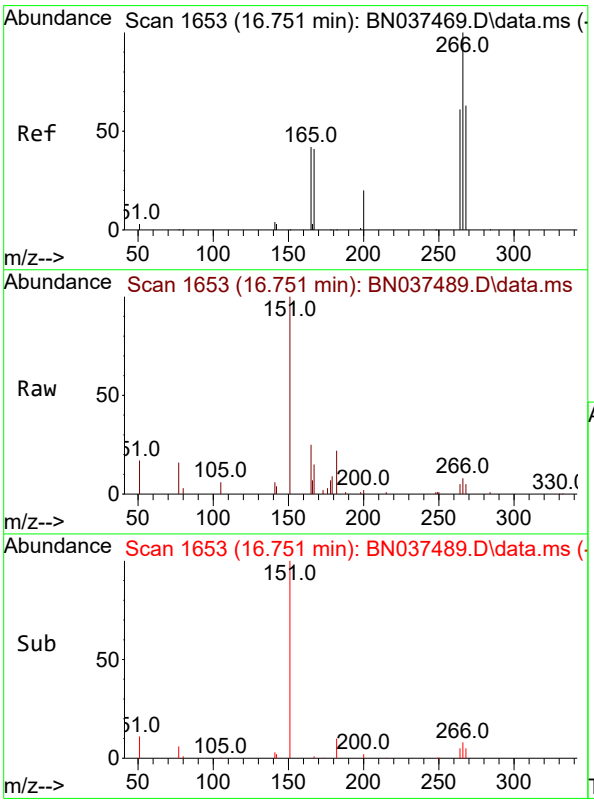
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:188 Resp: 9509

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.5	9.3	13.9#

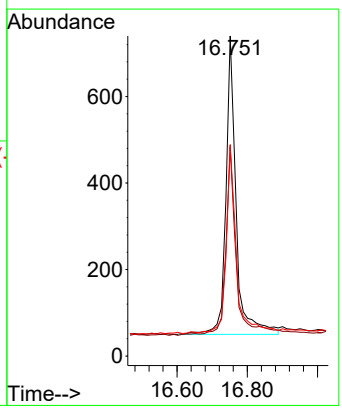


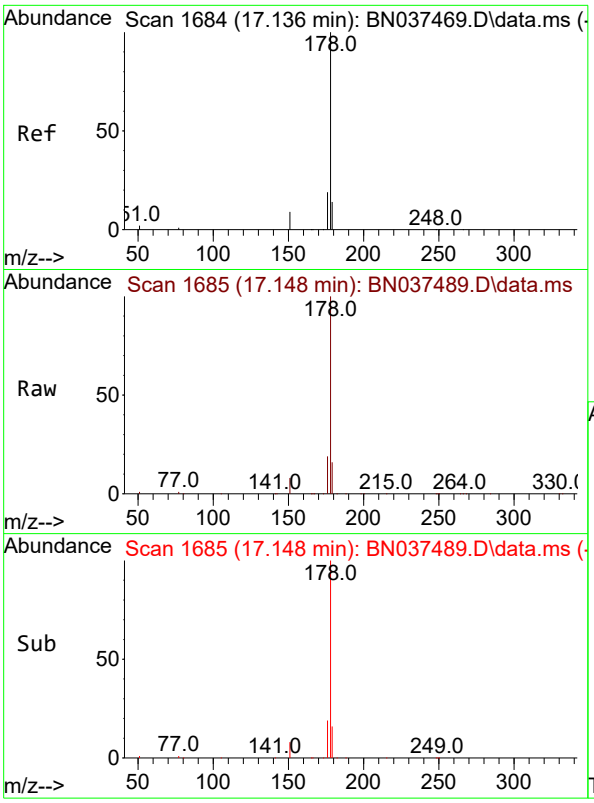


#24
Pentachlorophenol
Concen: 0.498 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:266 Resp: 1405

Ion	Ratio	Lower	Upper
266	100		
264	64.6	47.5	71.3
268	63.3	50.6	76.0



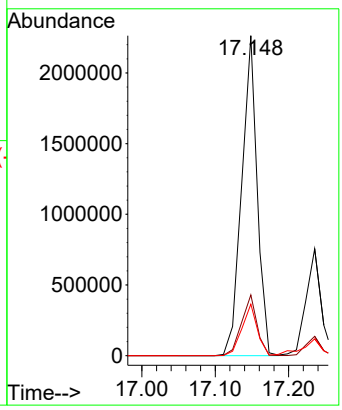


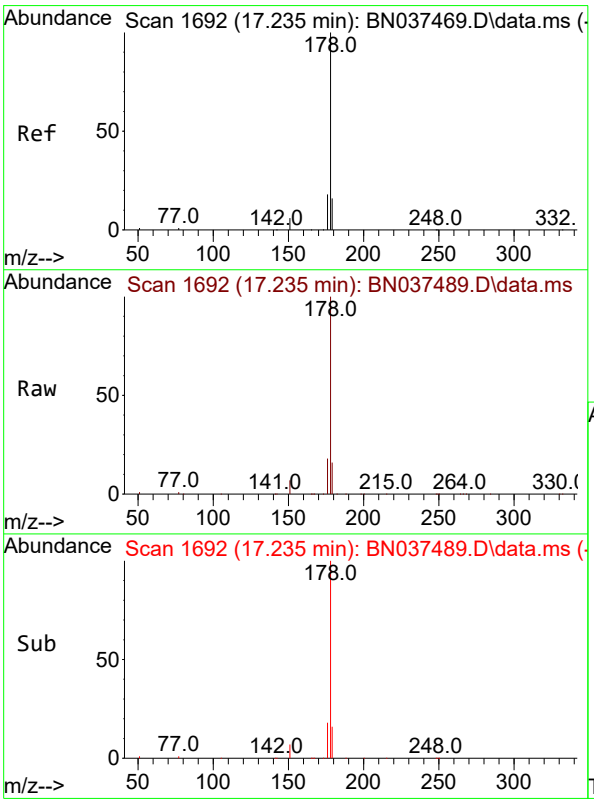
#25
Phenanthrene
Concen: 114.461 ng
RT: 17.148 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:178 Resp: 3314102

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	16.1	12.2	18.2

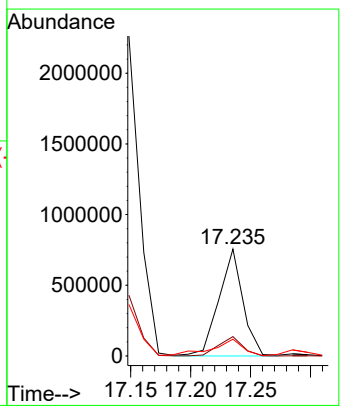


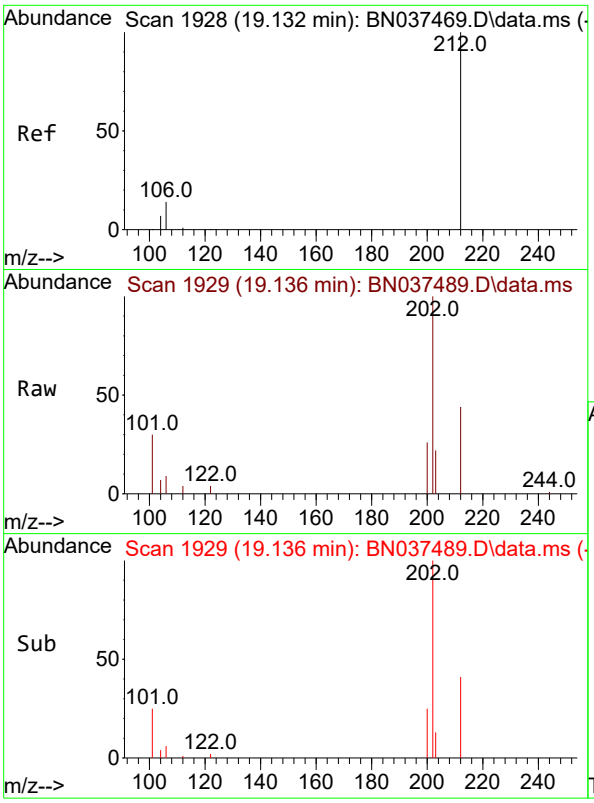


#26
Anthracene
Concen: 40.510 ng m
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:178 Resp: 1058519

Ion	Ratio	Lower	Upper
178	100		
176	59.2	14.9	22.3#
179	50.4	12.3	18.5#



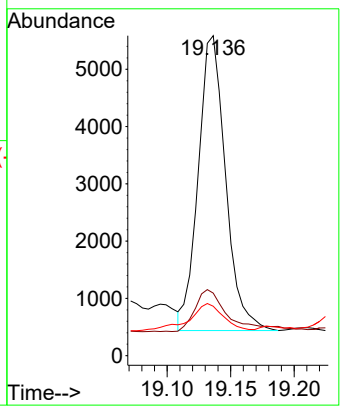


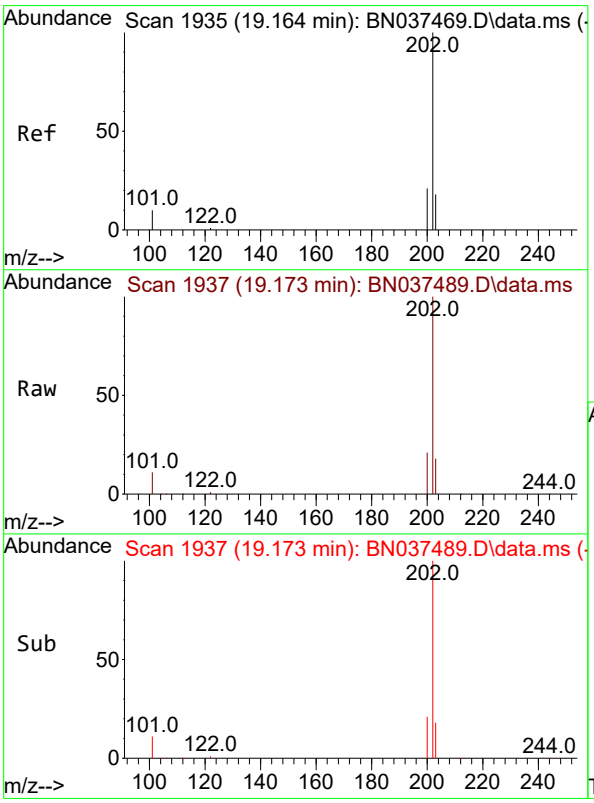
#27
Fluoranthene-d10
Concen: 0.321 ng
RT: 19.136 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:212 Resp: 7712

Ion	Ratio	Lower	Upper
212	100		
106	18.0	11.7	17.5#
104	12.3	6.6	10.0#

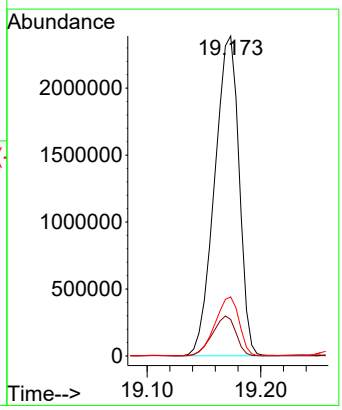


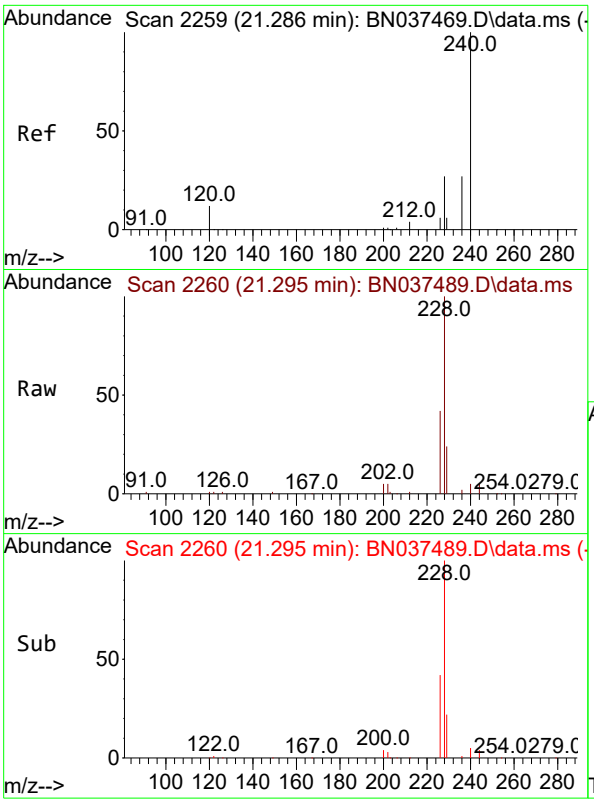


#28
Fluoranthene
Concen: 112.198 ng
RT: 19.173 min Scan# 1937
Delta R.T. 0.009 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:202 Resp: 3564821

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.2	13.8
203	18.1	14.0	21.0



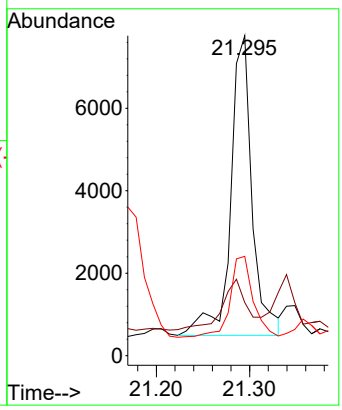


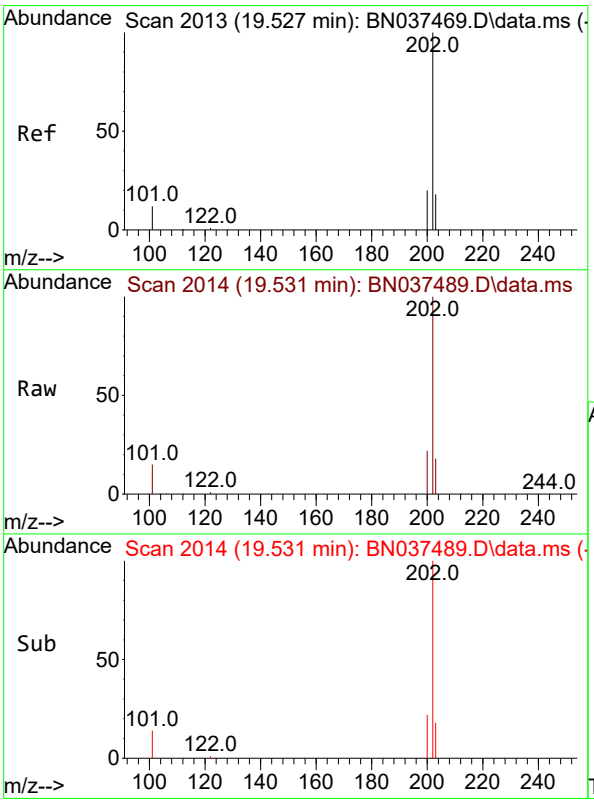
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:240 Resp: 11681

Ion	Ratio	Lower	Upper
240	100		
120	16.6	12.4	18.6
236	31.0	22.9	34.3

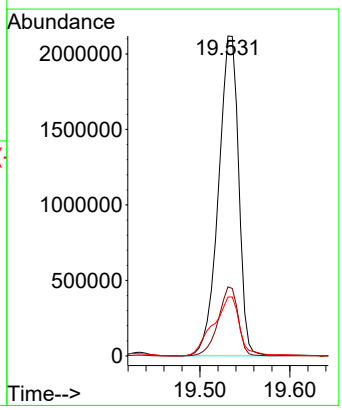


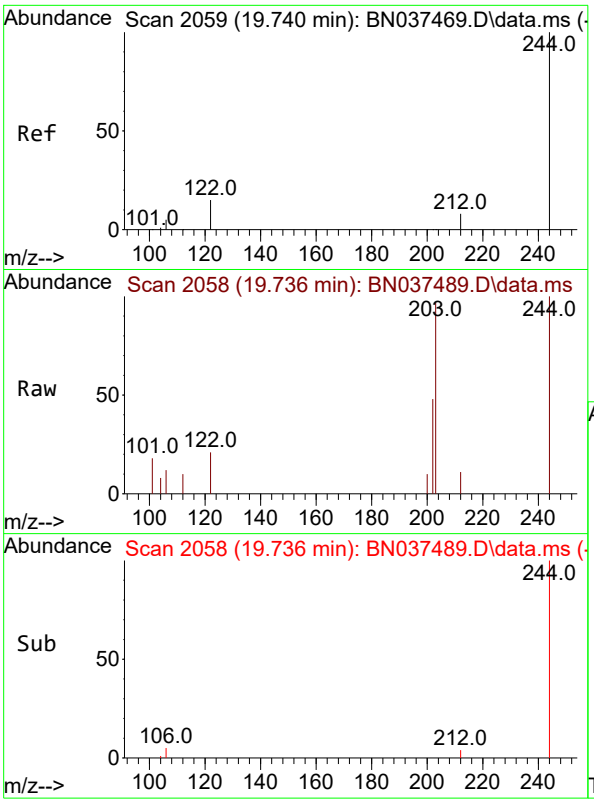


#30
Pyrene
Concen: 69.895 ng
RT: 19.531 min Scan# 2014
Delta R.T. 0.005 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:202 Resp: 3282425

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.4	24.6
203	24.3	14.3	21.5#



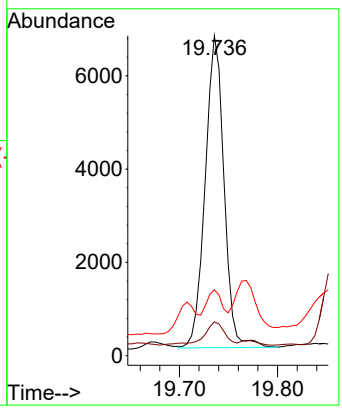


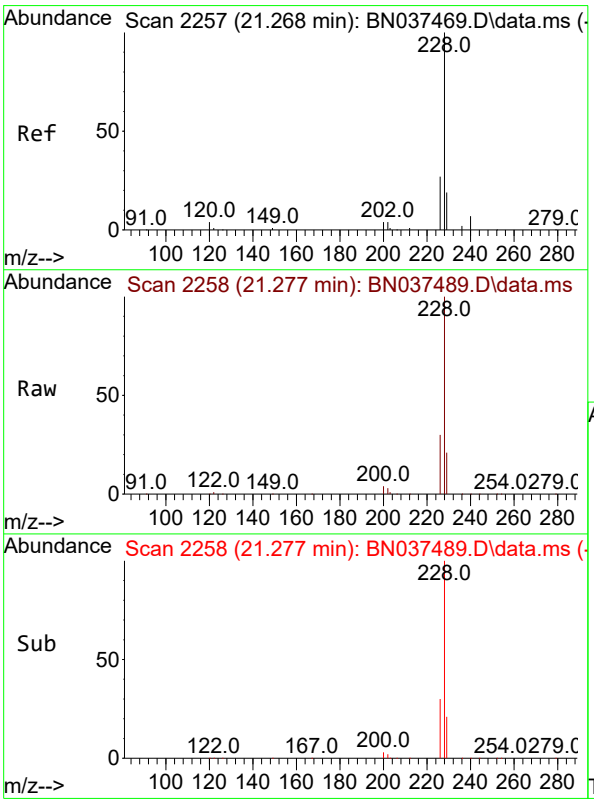
#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.736 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:244 Resp: 8955

Ion	Ratio	Lower	Upper
244	100		
212	10.6	8.7	13.1
122	20.6	14.1	21.1

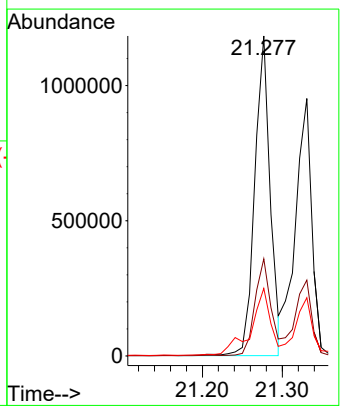


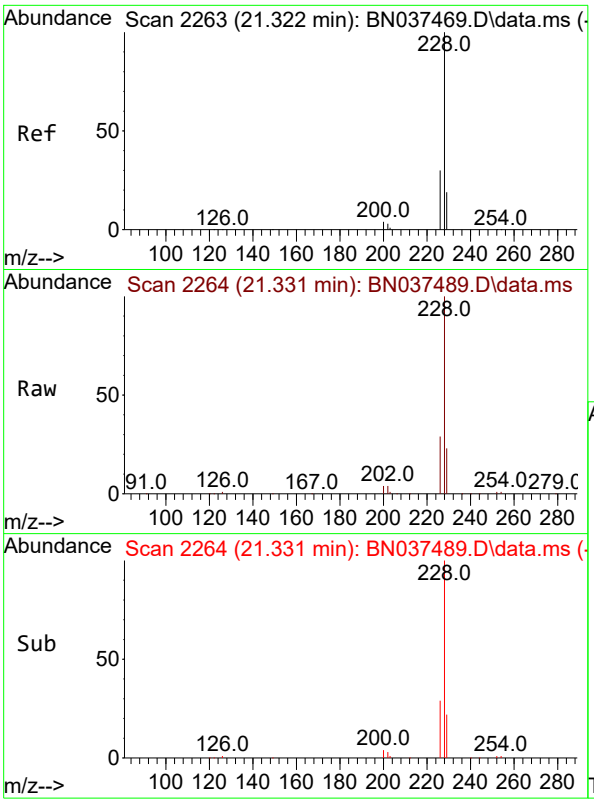


#32
Benzo(a)anthracene
Concen: 40.199 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.009 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:228 Resp: 1590188

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.7	34.1
229	21.1	16.6	24.8



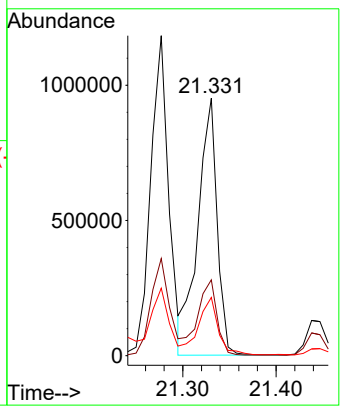


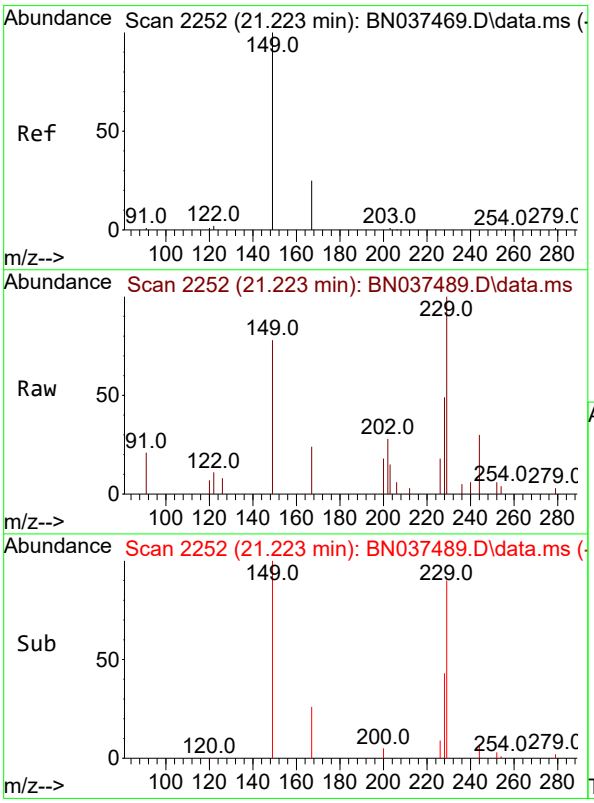
#33
Chrysene
Concen: 31.567 ng
RT: 21.331 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:228 Resp: 1364959

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	36.8
229	22.6	16.4	24.6

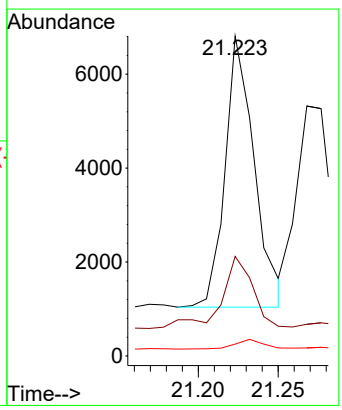


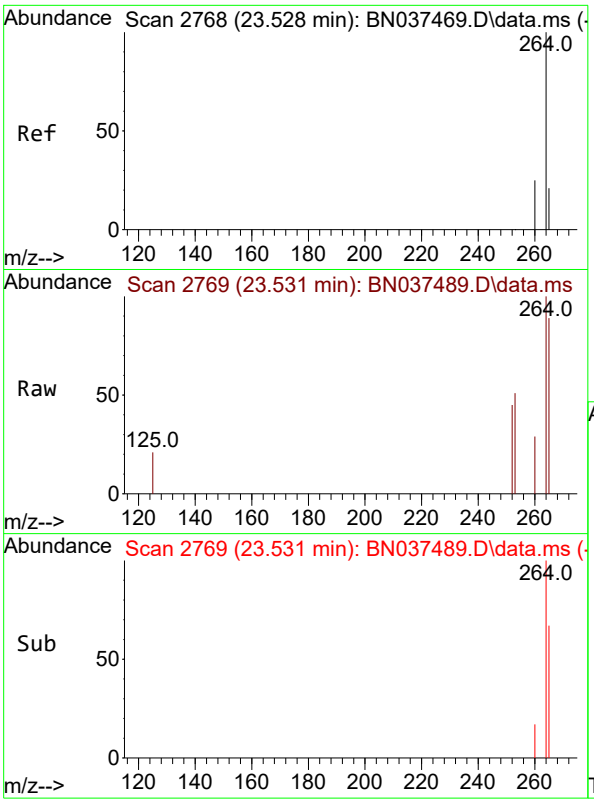


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.546 ng
RT: 21.223 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:149 Resp: 7348

Ion	Ratio	Lower	Upper
149	100		
167	26.9	19.4	29.2
279	3.6	2.5	3.7



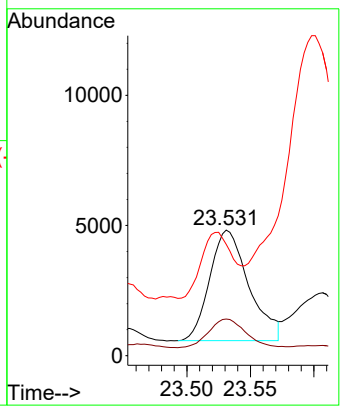


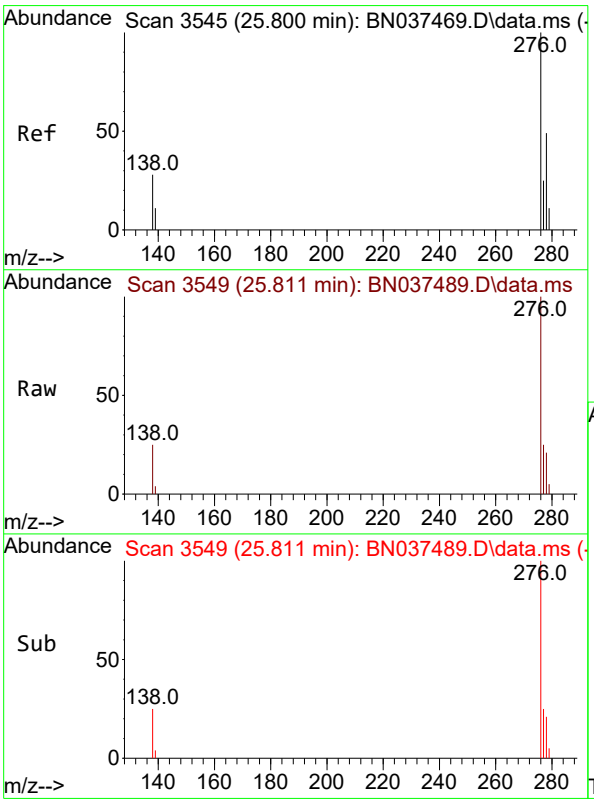
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.531 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:264 Resp: 9121

Ion	Ratio	Lower	Upper
264	100		
260	29.1	21.7	32.5
265	88.7	41.6	62.4#

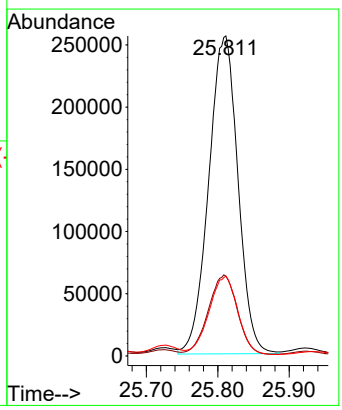


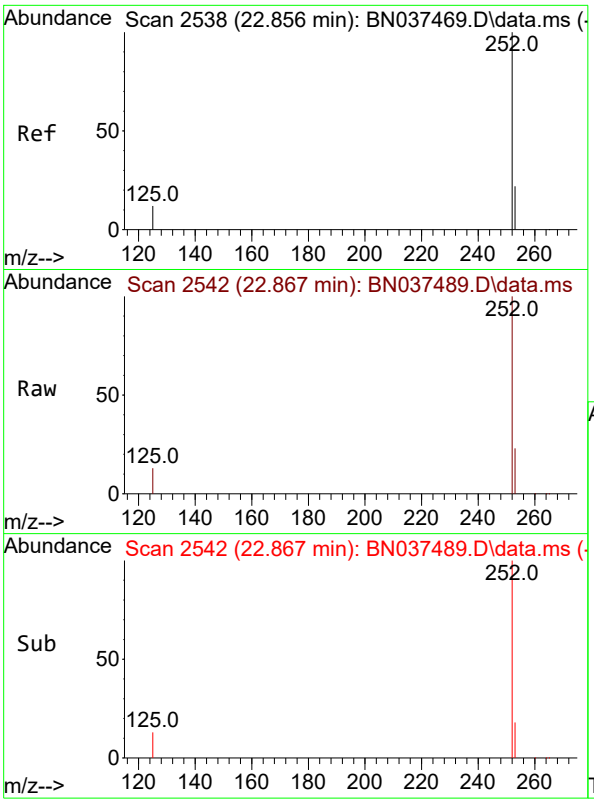


#36
Indeno(1,2,3-cd)pyrene
Concen: 20.514 ng
RT: 25.811 min Scan# 3549
Delta R.T. 0.012 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:276 Resp: 726238

Ion	Ratio	Lower	Upper
276	100		
138	24.9	23.4	35.2
277	24.3	19.8	29.8



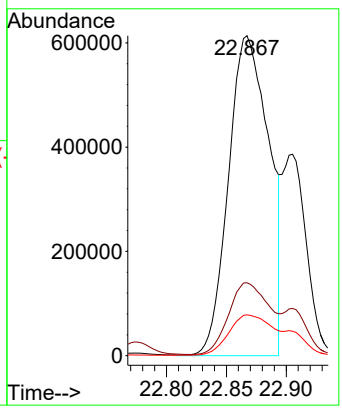


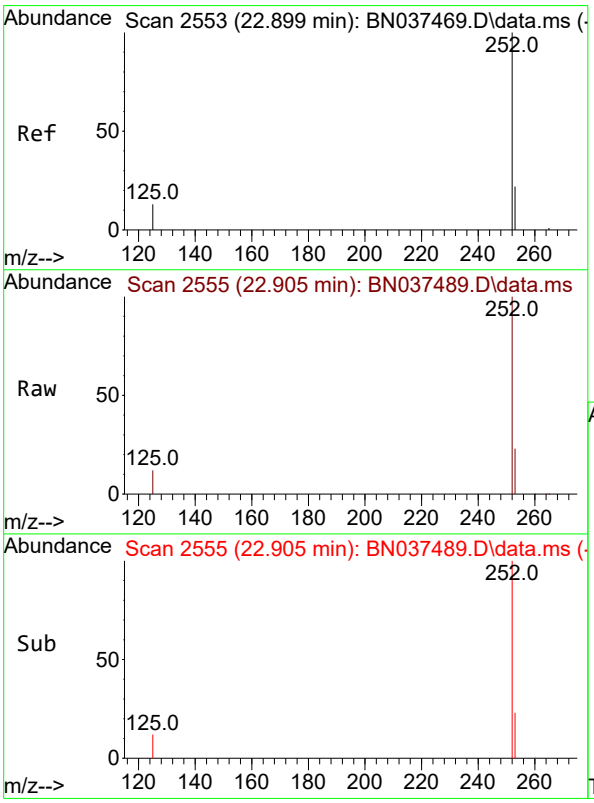
#37
Benzo(b)fluoranthene
Concen: 40.654 ng m
RT: 22.867 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:252 Resp: 1442011

Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.1	30.1
125	12.8	13.7	20.5#

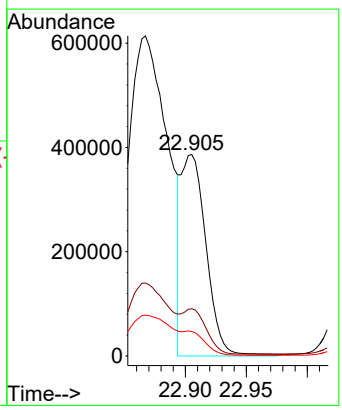


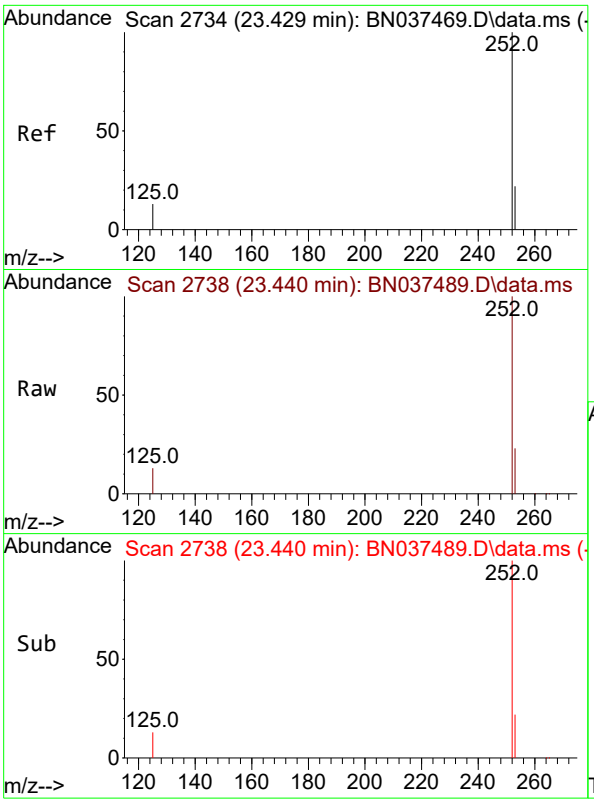


#38
Benzo(k)fluoranthene
Concen: 15.352 ng m
RT: 22.905 min Scan# 2555
Delta R.T. 0.006 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:252 Resp: 551976

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.4	30.6
125	12.2	14.6	21.8#



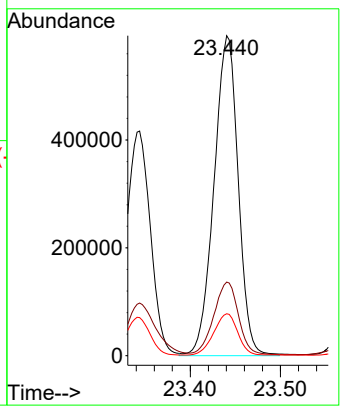


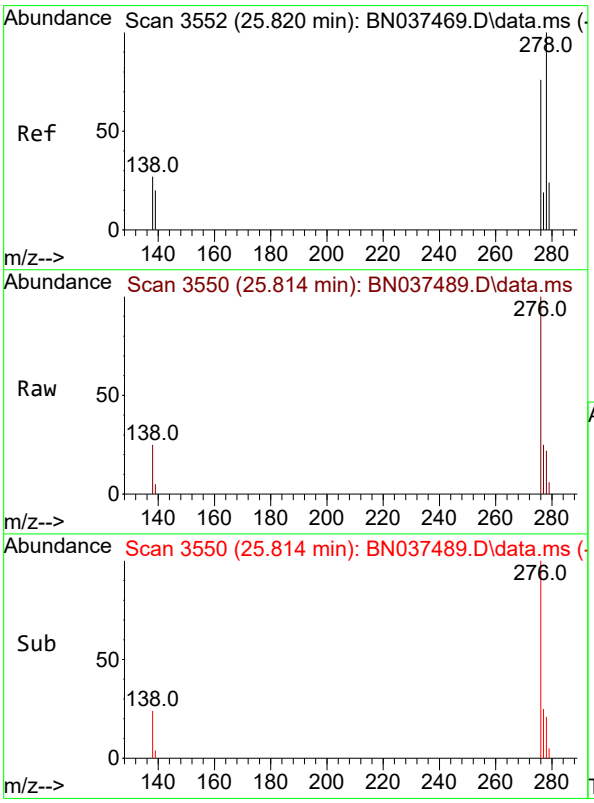
#39
Benzo(a)pyrene
Concen: 38.746 ng m
RT: 23.440 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:252 Resp: 1106039

Ion	Ratio	Lower	Upper
252	100		
253	23.0	21.8	32.6
125	13.1	16.7	25.1#

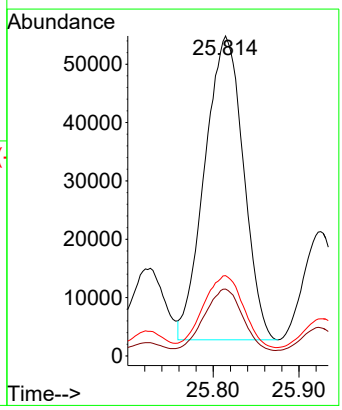


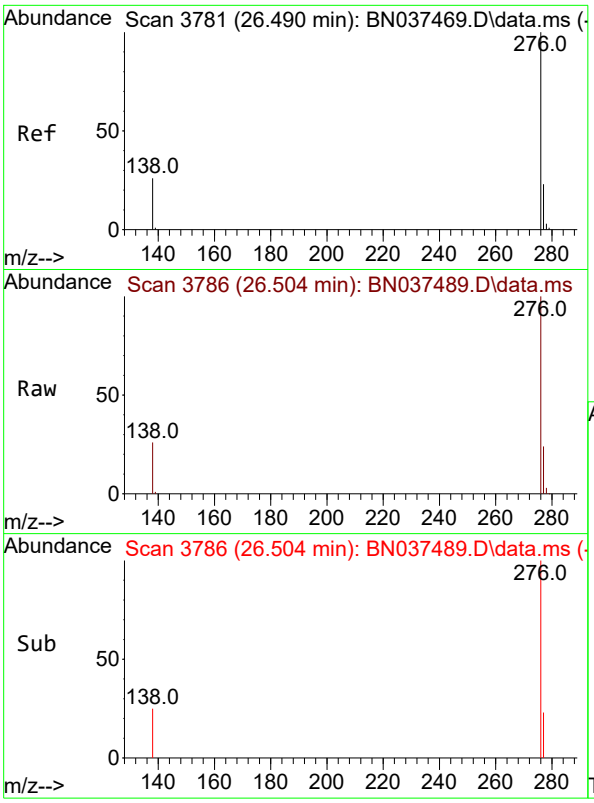


#40
Dibenzo(a,h)anthracene
Concen: 5.717 ng
RT: 25.814 min Scan# 3550
Delta R.T. -0.006 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Tgt Ion:278 Resp: 163248

Ion	Ratio	Lower	Upper
278	100		
139	20.9	19.9	29.9
279	25.1	24.8	37.2





#41
Benzo(g,h,i)perylene
Concen: 25.680 ng
RT: 26.504 min Scan# 3
Delta R.T. 0.015 min
Lab File: BN037489.D
Acq: 14 Jul 2025 13:27

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Tgt Ion:276 Resp: 803235

Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.7	32.5
138	25.7	24.3	36.5