Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
Data File : BN037003.D
Acq On : 13 May 2025 20:05
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: May 14 11:01:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 10:57:36 2025
Response via : Initial Calibration

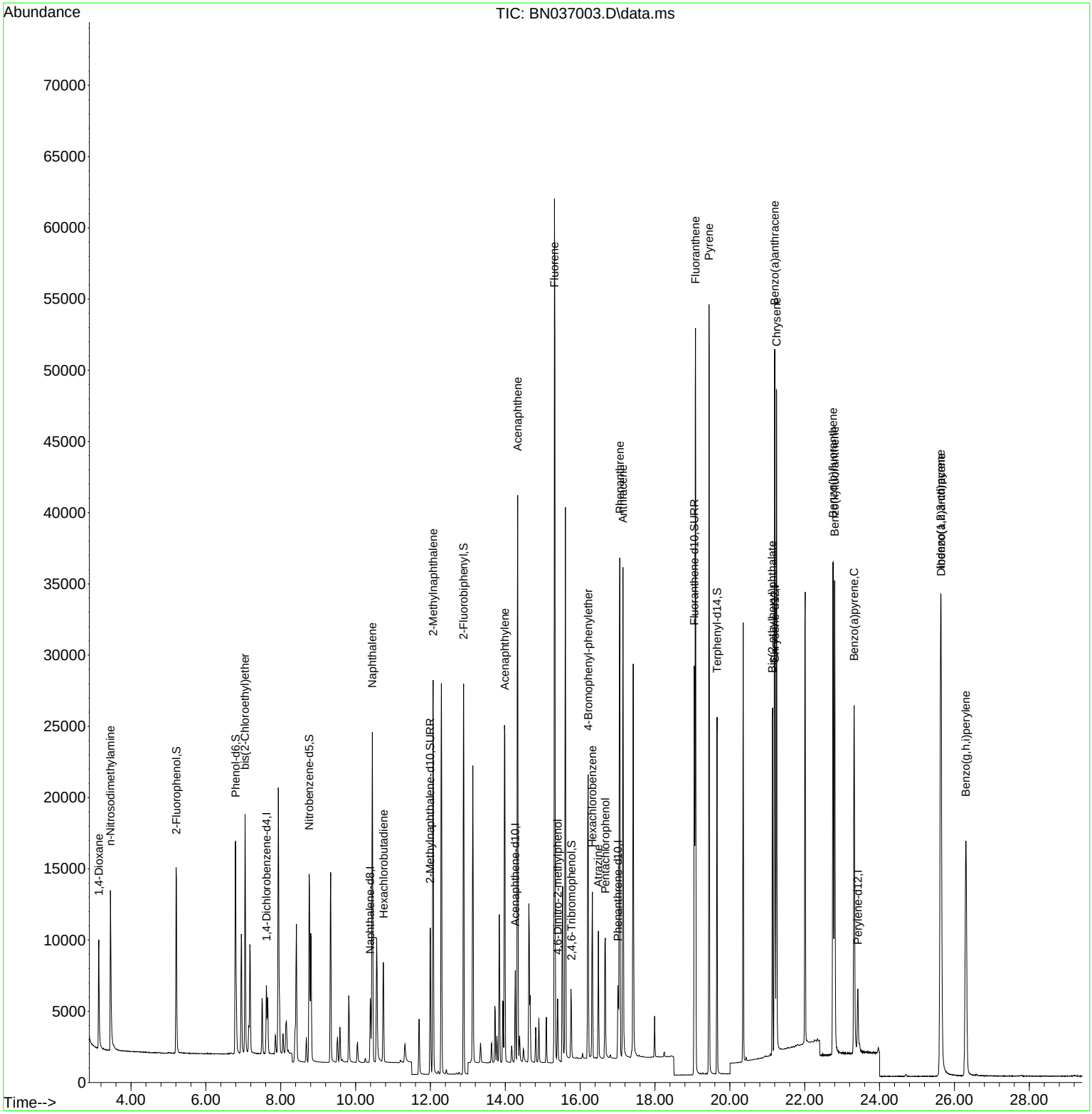
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.618	152	2134	0.400	ng		0.00
7) Naphthalene-d8	10.394	136	5654	0.400	ng		#-0.01
13) Acenaphthene-d10	14.267	164	3305	0.400	ng		0.00
19) Phenanthrene-d10	17.009	188	6678	0.400	ng		0.00
29) Chrysene-d12	21.207	240	6288	0.400	ng		0.00
35) Perylene-d12	23.418	264	5747	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.213	112	9332	1.669	ng		0.00
5) Phenol-d6	6.795	99	11879	1.698	ng		0.00
8) Nitrobenzene-d5	8.760	82	10231	1.662	ng		-0.01
11) 2-Methylnaphthalene-d10	11.996	152	13642	1.714	ng		0.00
14) 2,4,6-Tribromophenol	15.767	330	2461	1.695	ng		0.00
15) 2-Fluorobiphenyl	12.888	172	25480	1.684	ng		0.00
27) Fluoranthene-d10	19.054	212	30804	1.682	ng		0.00
31) Terphenyl-d14	19.658	244	22417	1.667	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.141	88	4389	1.676	ng		96
3) n-Nitrosodimethylamine	3.451	42	9172	1.630	ng	#	92
6) bis(2-Chloroethyl)ether	7.048	93	10588	1.645	ng		99
9) Naphthalene	10.447	128	27723	1.659	ng		97
10) Hexachlorobutadiene	10.746	225	5780	1.648	ng	#	99
12) 2-Methylnaphthalene	12.072	142	18399	1.712	ng		99
16) Acenaphthylene	13.989	152	27375	1.702	ng		100
17) Acenaphthene	14.331	154	17846	1.698	ng		98
18) Fluorene	15.314	166	23515	1.705	ng		100
20) 4,6-Dinitro-2-methylph...	15.400	198	2713	1.748	ng	#	73
21) 4-Bromophenyl-phenylether	16.214	248	7008	1.661	ng		94
22) Hexachlorobenzene	16.326	284	7515	1.664	ng		99
23) Atrazine	16.487	200	6336	1.722	ng		92
24) Pentachlorophenol	16.674	266	4256	1.697	ng		98
25) Phenanthrene	17.058	178	36506	1.673	ng		100
26) Anthracene	17.145	178	33908	1.707	ng		99
28) Fluoranthene	19.082	202	44613	1.711	ng		100
30) Pyrene	19.444	202	45015	1.674	ng		100
32) Benzo(a)anthracene	21.198	228	40103	1.694	ng		99
33) Chrysene	21.251	228	41576	1.660	ng		96
34) Bis(2-ethylhexyl)phtha...	21.135	149	23656	1.621	ng		99
36) Indeno(1,2,3-cd)pyrene	25.631	276	38771	1.652	ng		98
37) Benzo(b)fluoranthene	22.757	252	40209	1.688	ng	#	90
38) Benzo(k)fluoranthene	22.798	252	40699	1.729	ng	#	91
39) Benzo(a)pyrene	23.322	252	34149	1.689	ng	#	82
40) Dibenzo(a,h)anthracene	25.643	278	30810	1.685	ng	#	91
41) Benzo(g,h,i)perylene	26.307	276	32256	1.624	ng		97

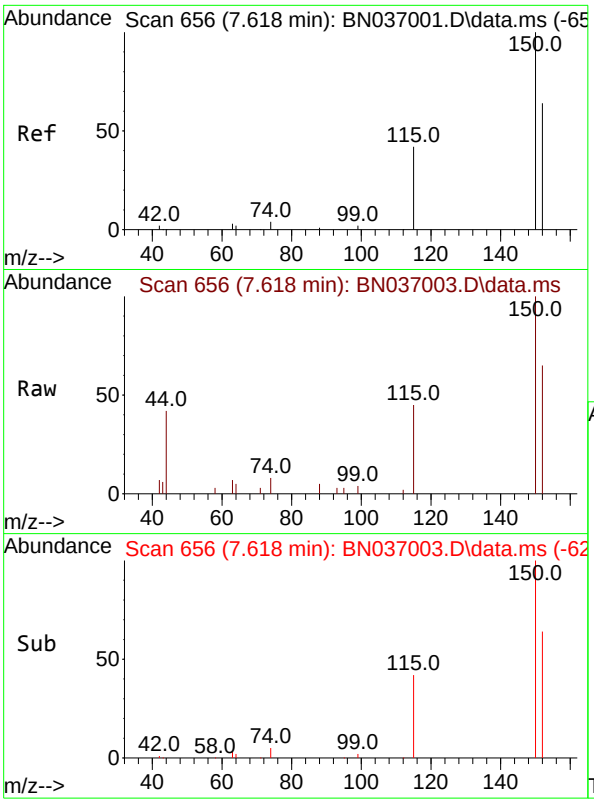
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
Data File : BN037003.D
Acq On : 13 May 2025 20:05
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: May 14 11:01:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 10:57:36 2025
Response via : Initial Calibration



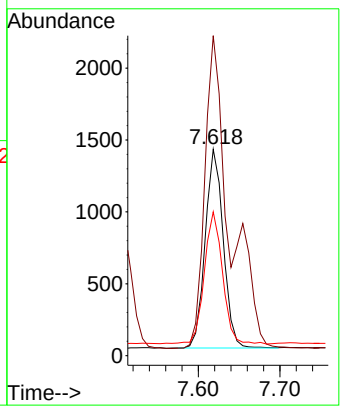


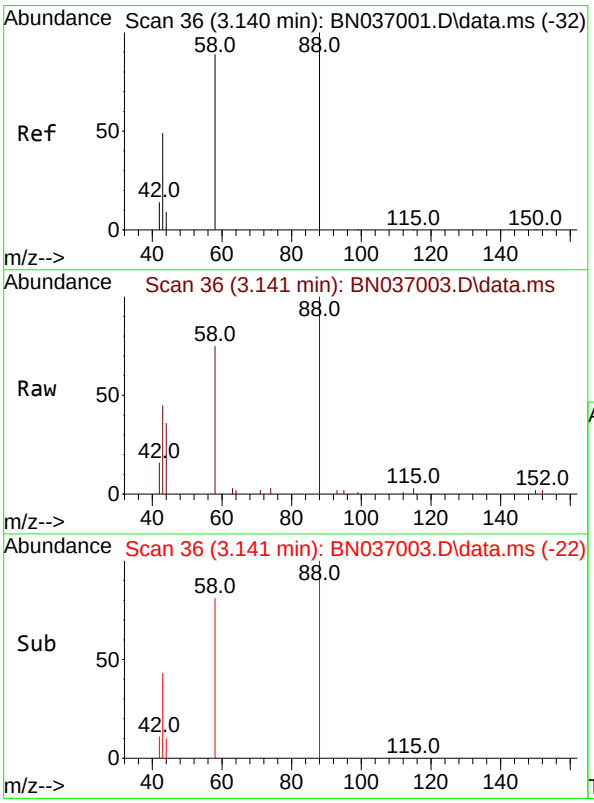
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2134

Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.9	185.9
115	69.6	55.8	83.8

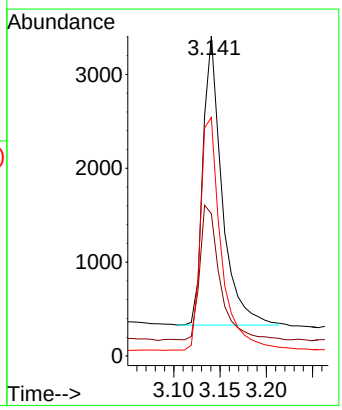


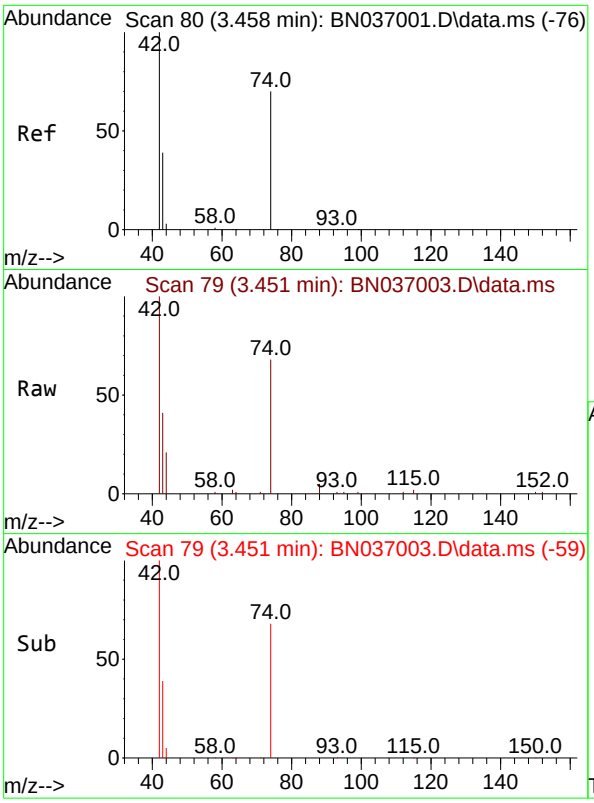


#2
1,4-Dioxane
Concen: 1.676 ng
RT: 3.141 min Scan# 36
Delta R.T. 0.001 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion: 88 Resp: 4389

Ion	Ratio	Lower	Upper
88	100		
43	51.0	37.4	56.0
58	87.9	68.8	103.2



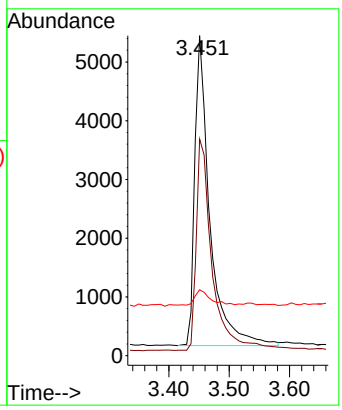


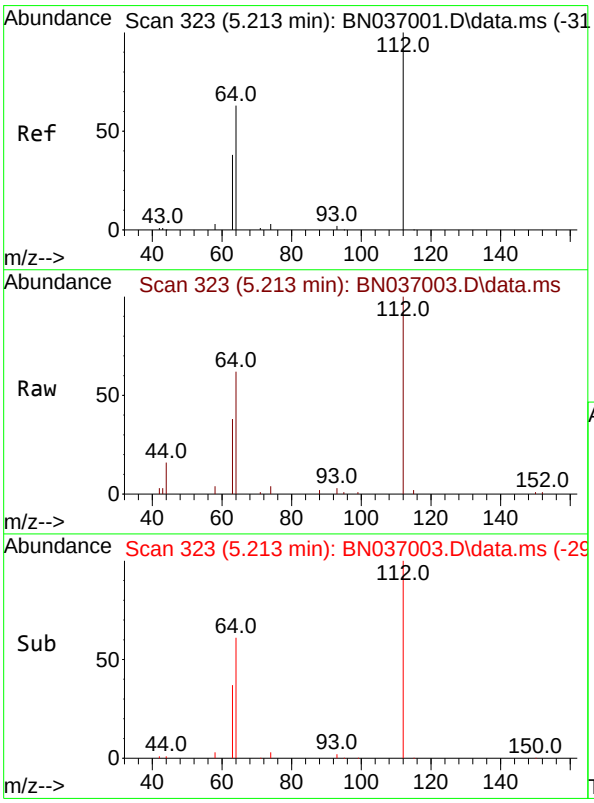
#3
n-Nitrosodimethylamine
Concen: 1.630 ng
RT: 3.451 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 9172

Ion	Ratio	Lower	Upper
42	100		
74	71.1	59.8	89.6
44	5.1	11.9	17.9#

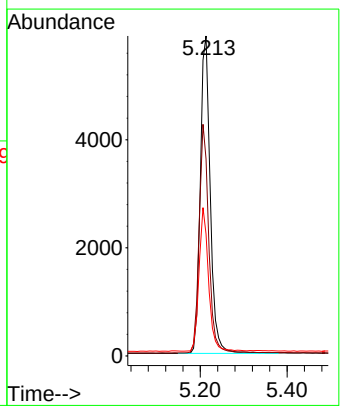


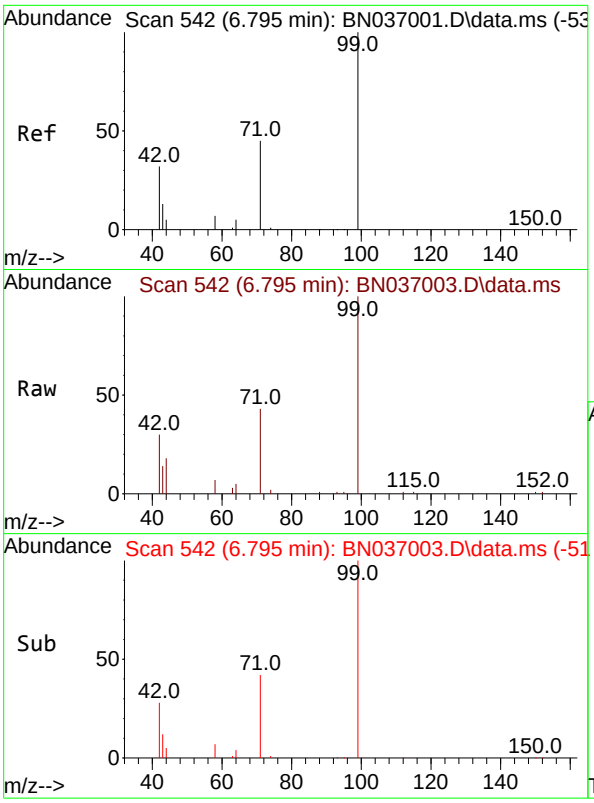


#4
2-Fluorophenol
Concen: 1.669 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:112 Resp: 9332

Ion	Ratio	Lower	Upper
112	100		
64	69.9	55.7	83.5
63	43.4	34.6	51.8



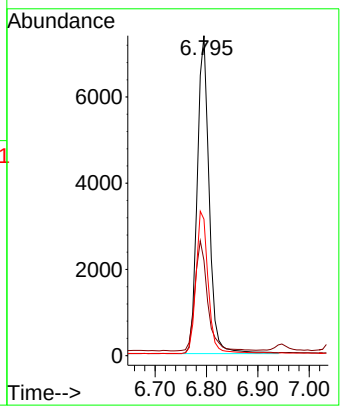


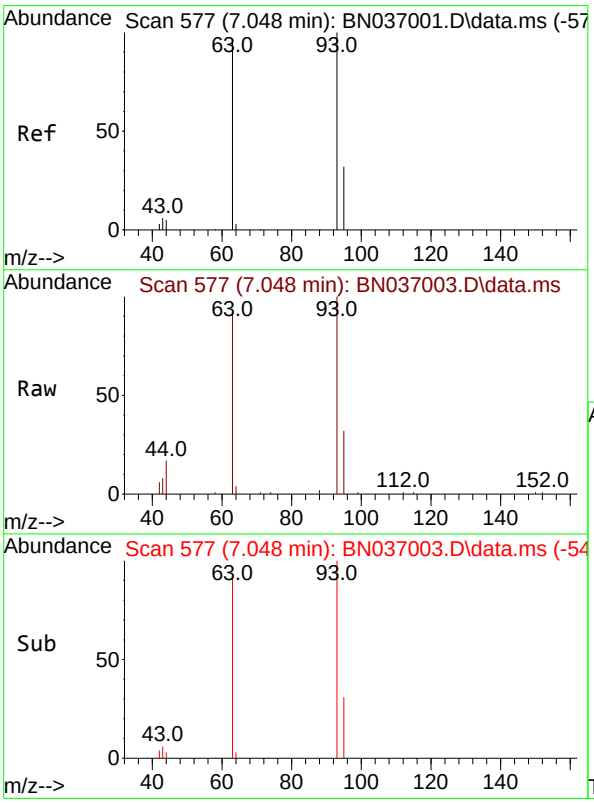
#5
Phenol-d6
Concen: 1.698 ng
RT: 6.795 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 11879

Ion	Ratio	Lower	Upper
99	100		
42	36.8	29.3	43.9
71	45.6	35.7	53.5

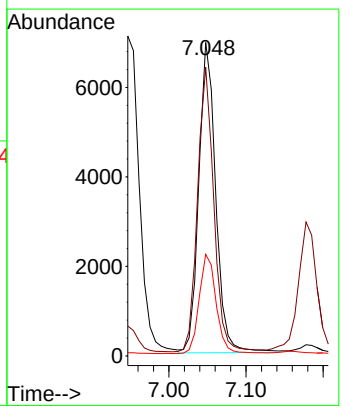


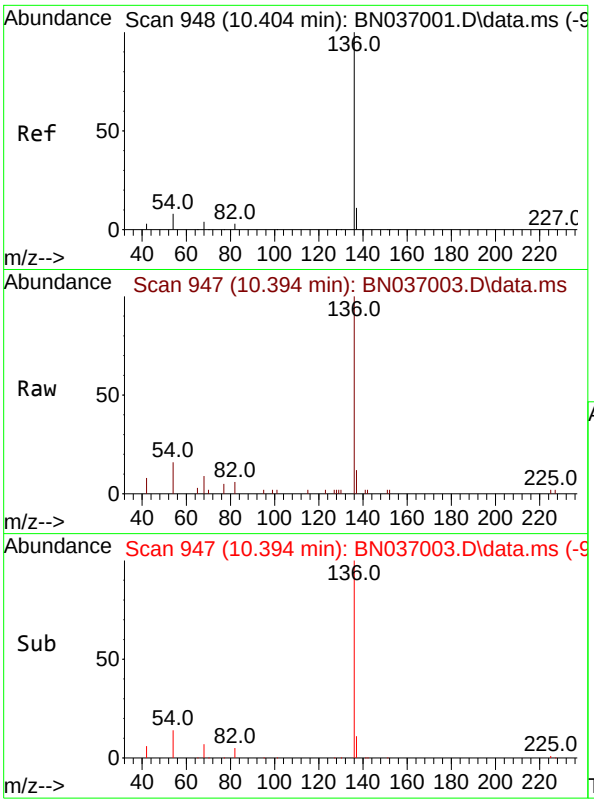


#6
bis(2-Chloroethyl)ether
Concen: 1.645 ng
RT: 7.048 min Scan# 577
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion: 93 Resp: 10588

Ion	Ratio	Lower	Upper
93	100		
63	87.8	70.1	105.1
95	32.0	26.2	39.2



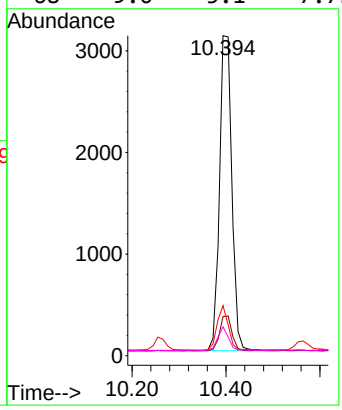


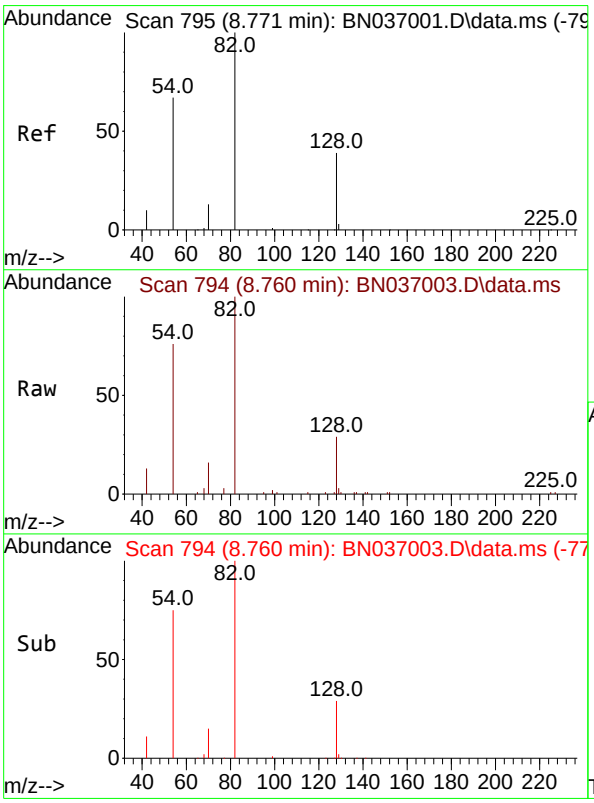
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 5654

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.4	15.6
54	15.7	8.5	12.7#
68	9.0	5.1	7.7#

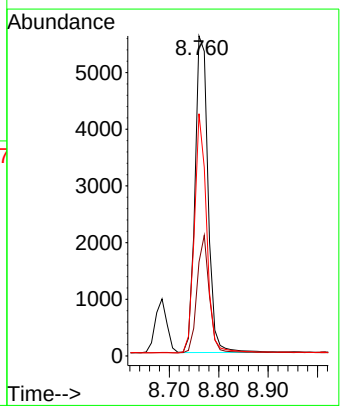


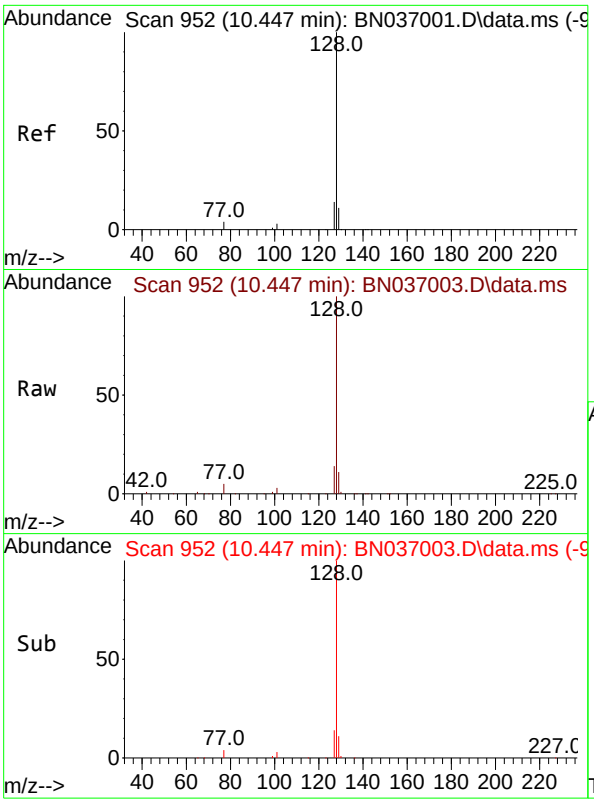


#8
Nitrobenzene-d5
Concen: 1.662 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion: 82 Resp: 10231

Ion	Ratio	Lower	Upper
82	100		
128	29.3	34.0	51.0#
54	75.7	55.0	82.4



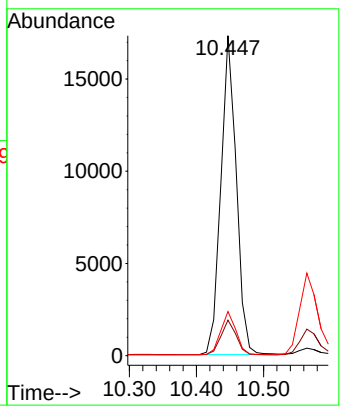


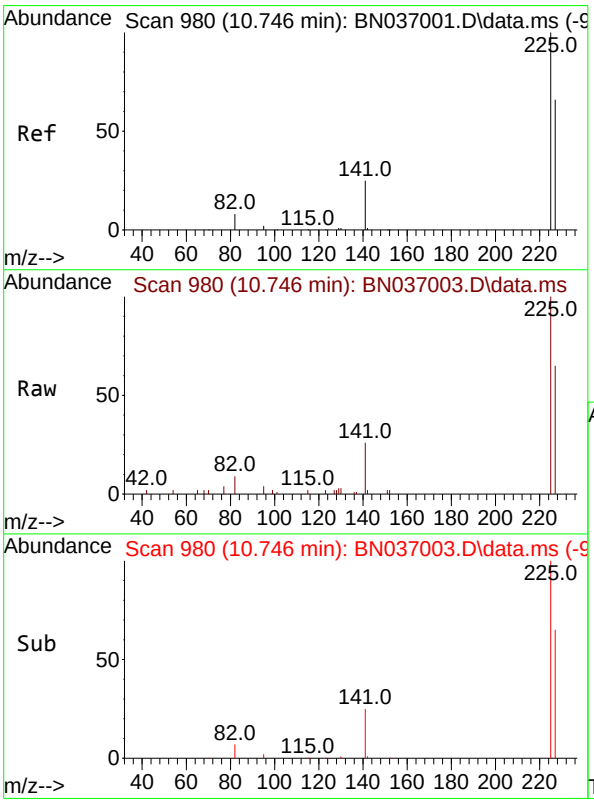
#9
Naphthalene
Concen: 1.659 ng
RT: 10.447 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 27723

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.7	14.5
127	13.8	12.4	18.6

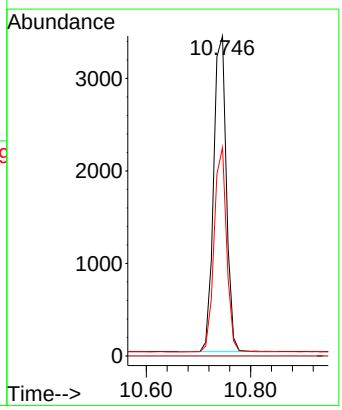


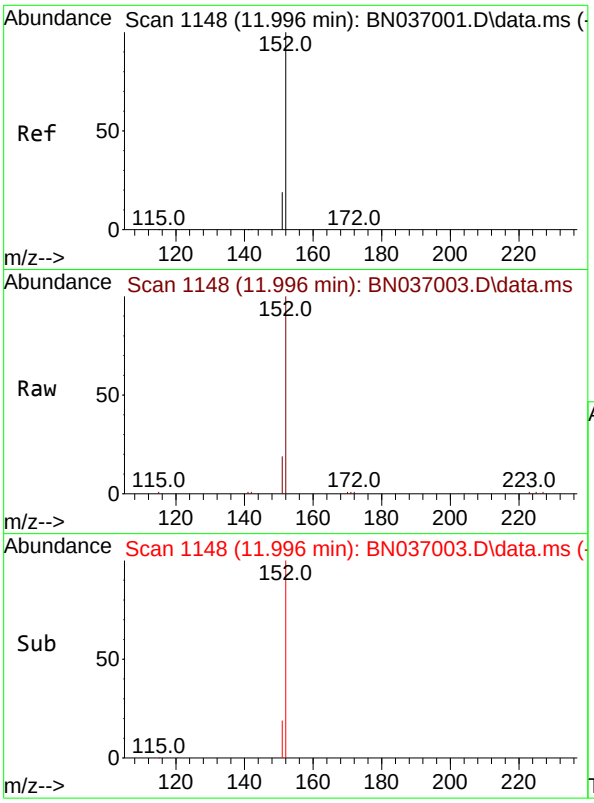


#10
Hexachlorobutadiene
Concen: 1.648 ng
RT: 10.746 min Scan# 980
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:225 Resp: 5780

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	50.9	76.3



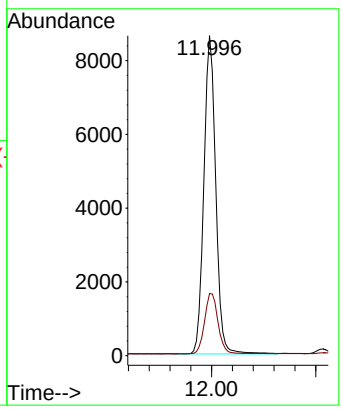


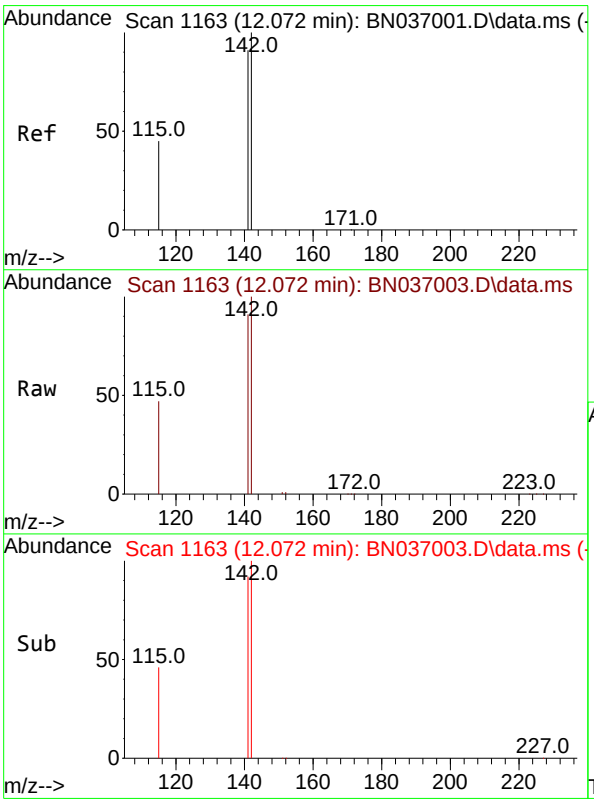
#11
2-Methylnaphthalene-d10
Concen: 1.714 ng
RT: 11.996 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 13642

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.5	26.3

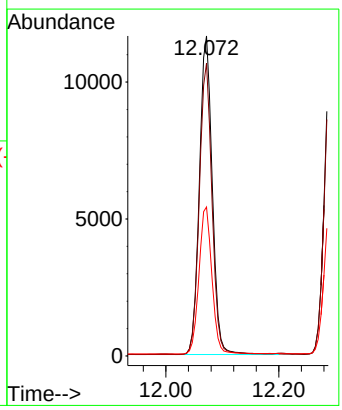


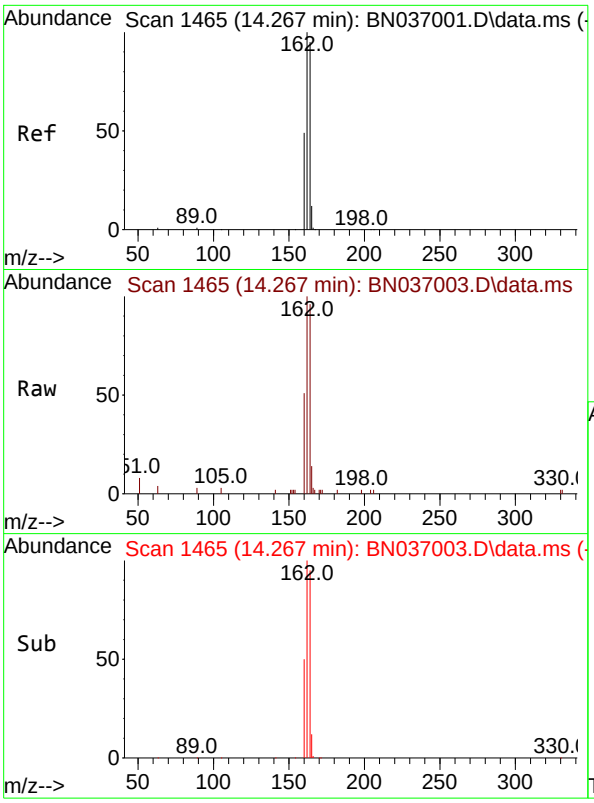


#12
2-Methylnaphthalene
Concen: 1.712 ng
RT: 12.072 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:142 Resp: 18399

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.3	109.9
115	46.6	38.4	57.6



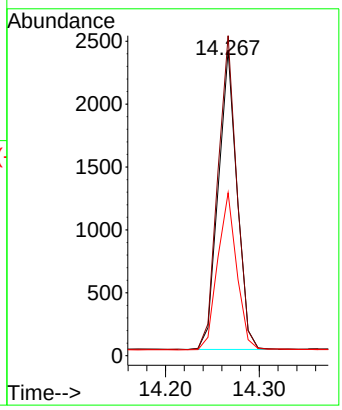


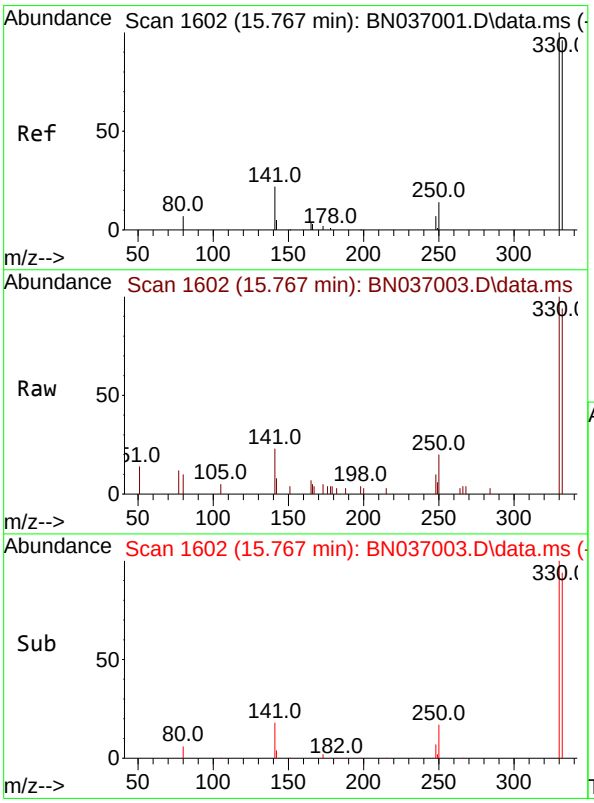
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.267 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 3305

Ion	Ratio	Lower	Upper
164	100		
162	104.7	84.2	126.4
160	53.3	42.6	63.8

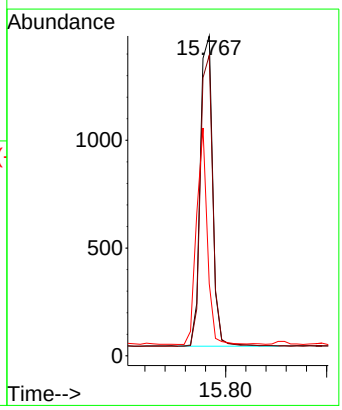


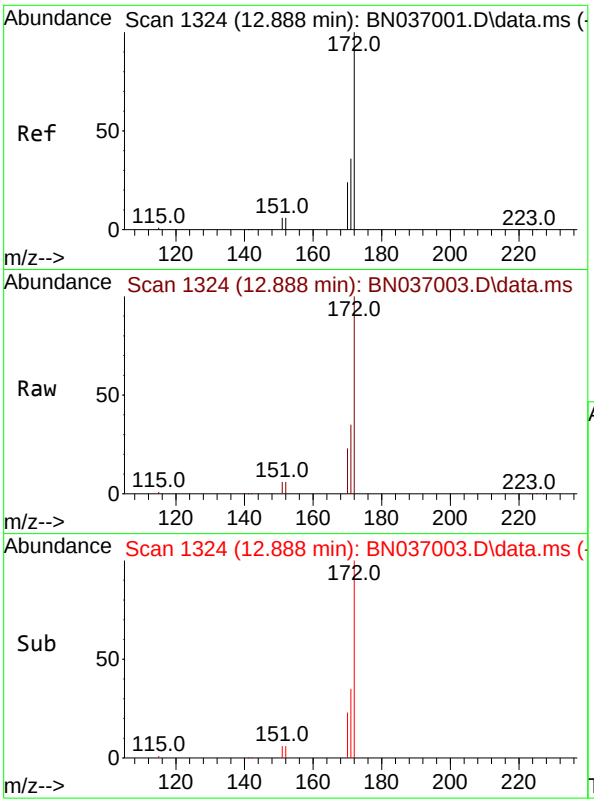


#14
2,4,6-Tribromophenol
Concen: 1.695 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:330 Resp: 2461

Ion	Ratio	Lower	Upper
330	100		
332	93.9	73.8	110.8
141	60.9	43.9	65.9



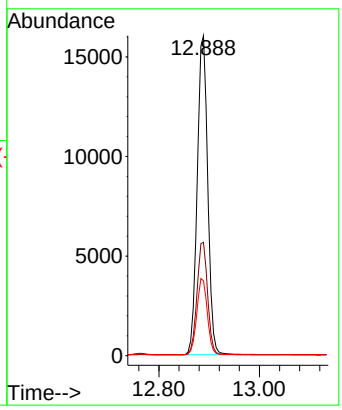


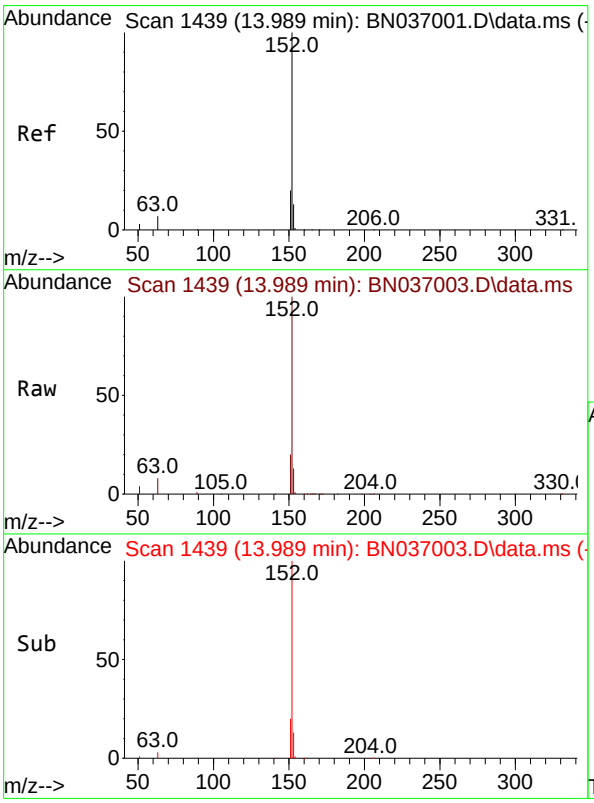
#15
2-Fluorobiphenyl
Concen: 1.684 ng
RT: 12.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 25480

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.4	20.5	30.7

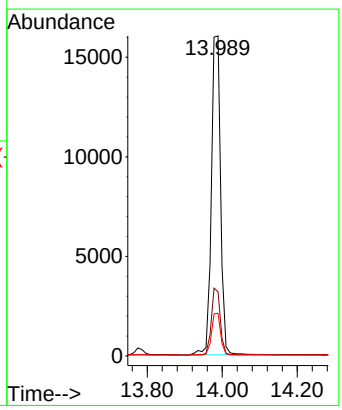


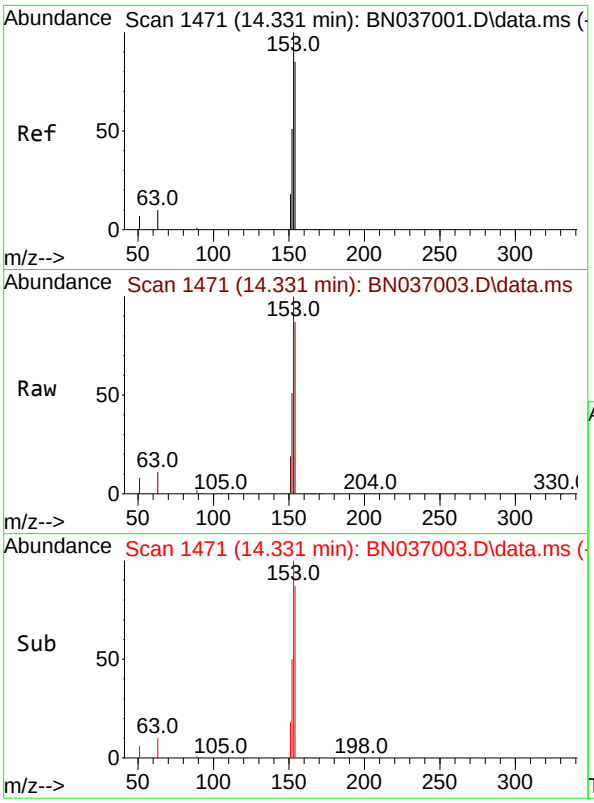


#16
Acenaphthylene
Concen: 1.702 ng
RT: 13.989 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:152 Resp: 27375

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	12.9	10.5	15.7



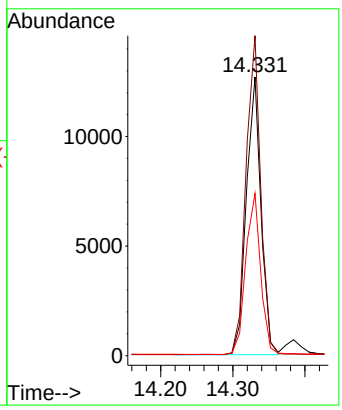


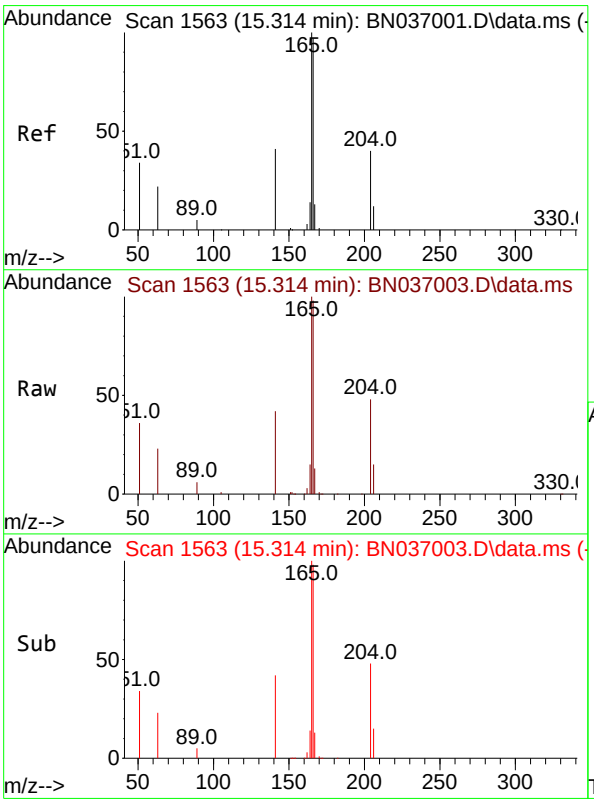
#17
Acenaphthene
Concen: 1.698 ng
RT: 14.331 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 17846

Ion	Ratio	Lower	Upper
154	100		
153	115.9	94.2	141.4
152	59.8	49.4	74.0

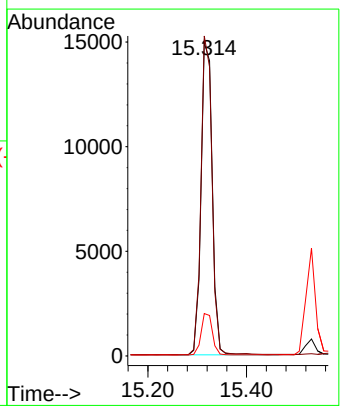


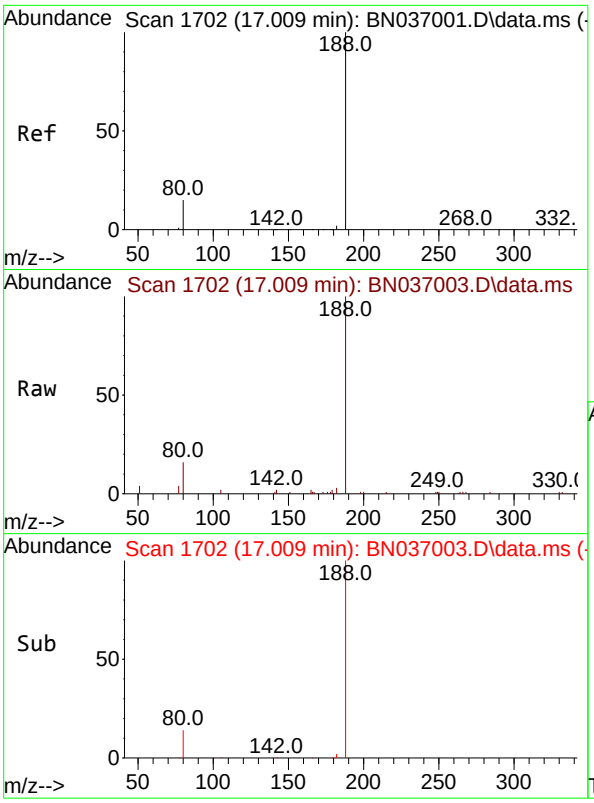


#18
Fluorene
Concen: 1.705 ng
RT: 15.314 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:166 Resp: 23515

Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.6	120.8
167	13.3	10.6	16.0



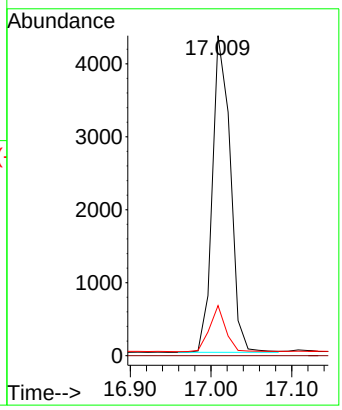


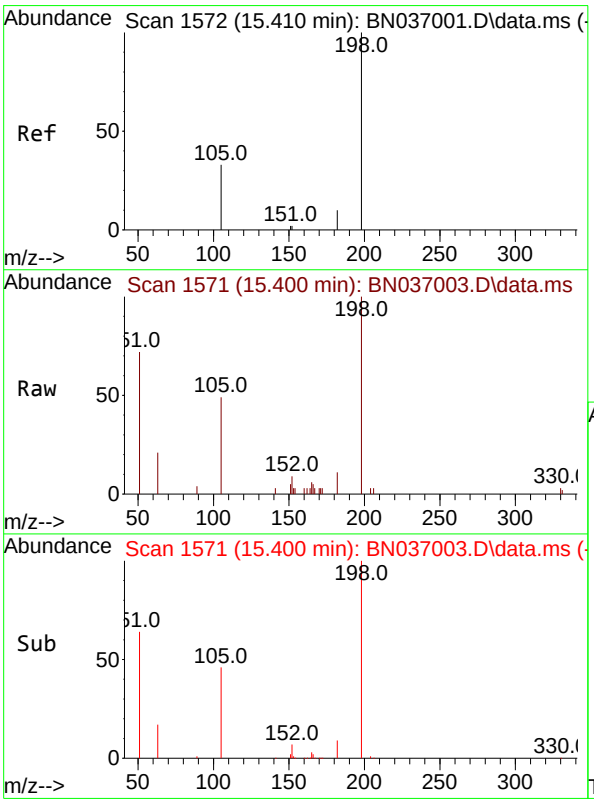
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.009 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 6678

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.7	13.4	20.0

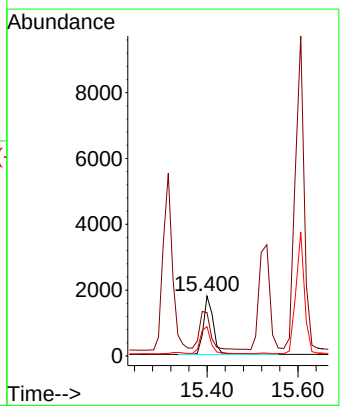


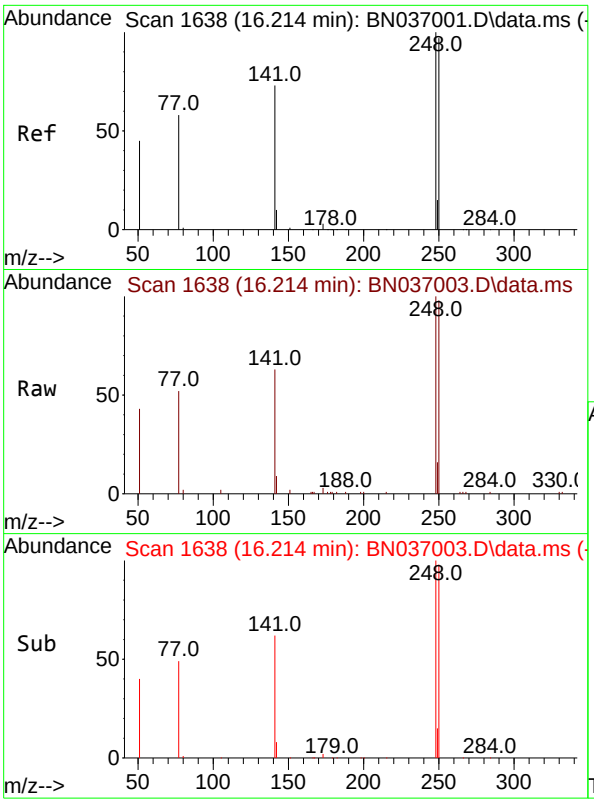


#20
4,6-Dinitro-2-methylphenol
Concen: 1.748 ng
RT: 15.400 min Scan# 1571
Delta R.T. -0.010 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:198 Resp: 2713

Ion	Ratio	Lower	Upper
198	100		
51	72.3	87.8	131.6#
105	48.8	44.2	66.4



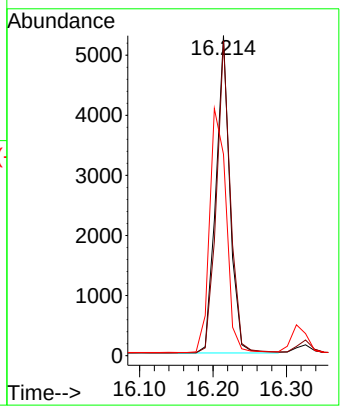


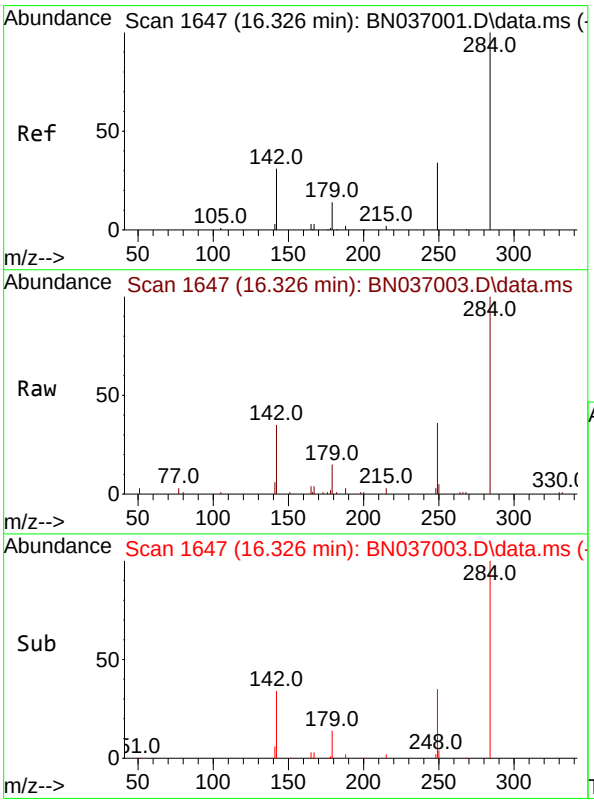
#21
4-Bromophenyl-phenylether
Concen: 1.661 ng
RT: 16.214 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 7008

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.1	117.1
141	62.9	59.7	89.5

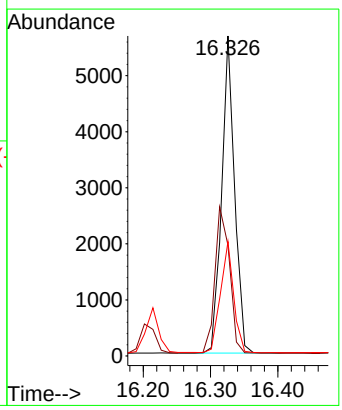


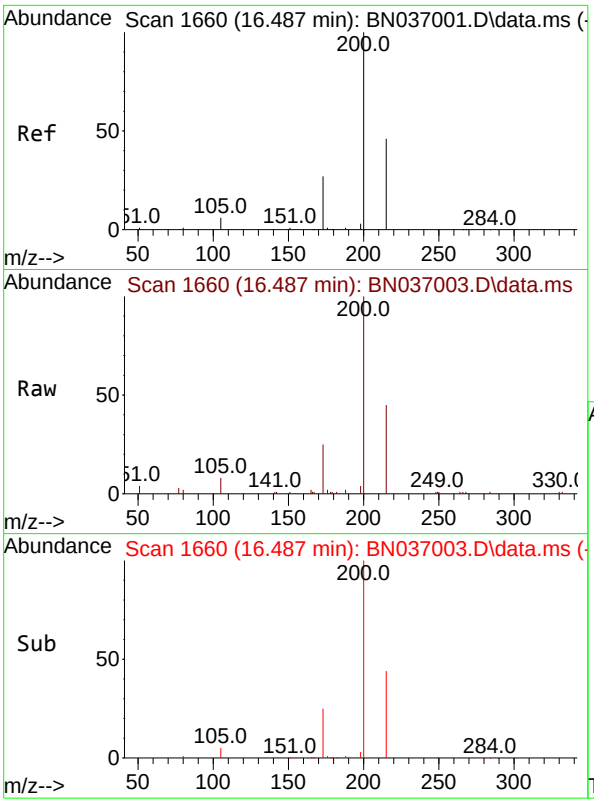


#22
Hexachlorobenzene
Concen: 1.664 ng
RT: 16.326 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:284 Resp: 7515

Ion	Ratio	Lower	Upper
284	100		
142	52.3	41.2	61.8
249	35.9	28.7	43.1



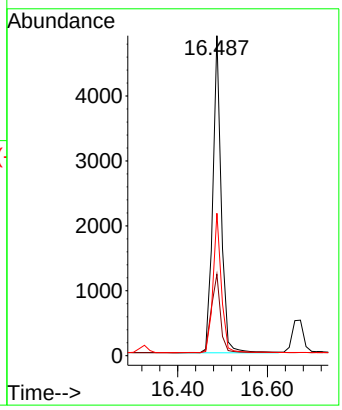


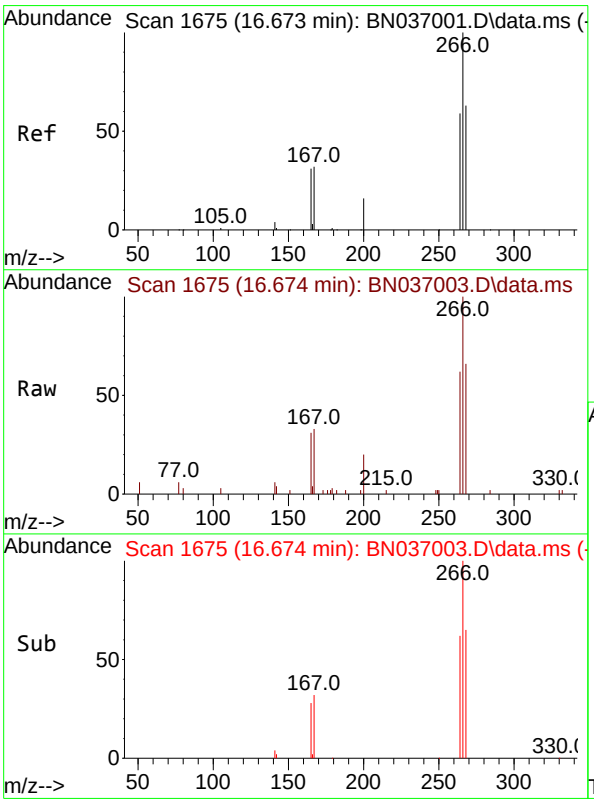
#23
Atrazine
Concen: 1.722 ng
RT: 16.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 6336

Ion	Ratio	Lower	Upper
200	100		
173	25.5	25.2	37.8
215	44.5	39.3	58.9

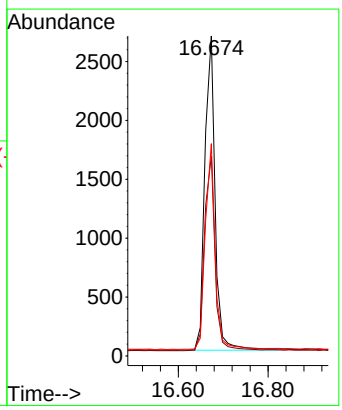


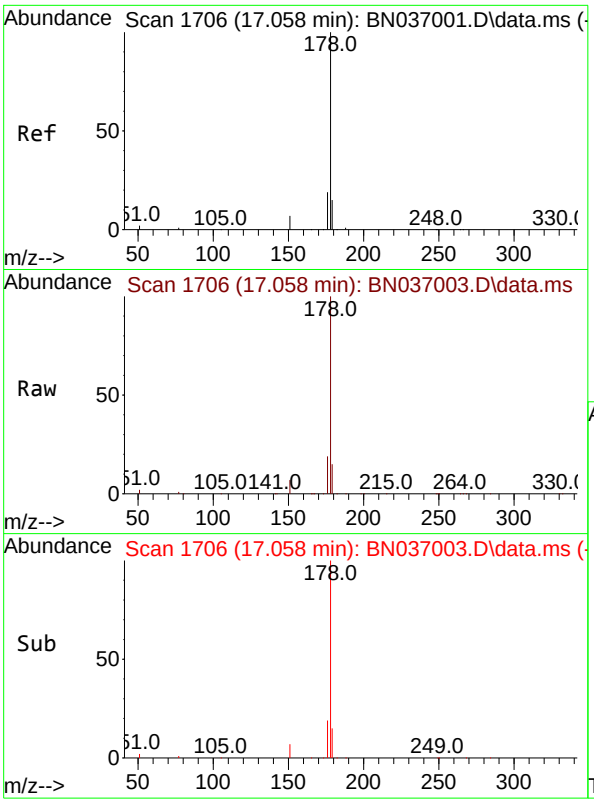


#24
Pentachlorophenol
Concen: 1.697 ng
RT: 16.674 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:266 Resp: 4256

Ion	Ratio	Lower	Upper
266	100		
264	62.9	47.9	71.9
268	62.9	50.0	75.0



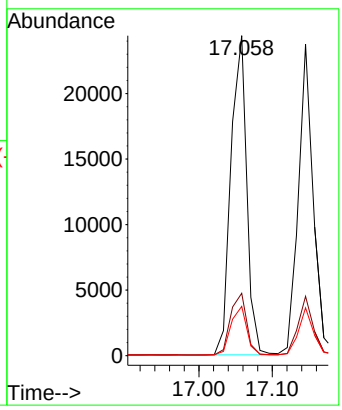


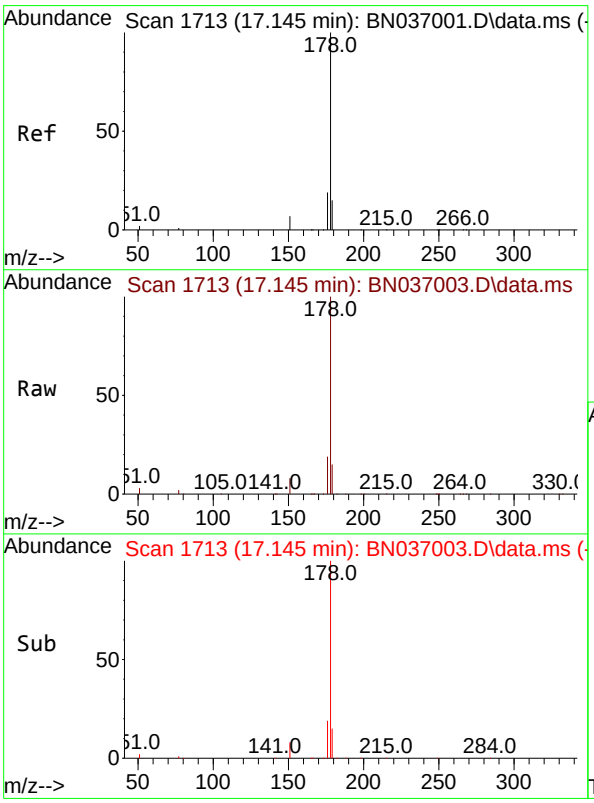
#25
Phenanthrene
Concen: 1.673 ng
RT: 17.058 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 36506

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.3	12.2	18.2

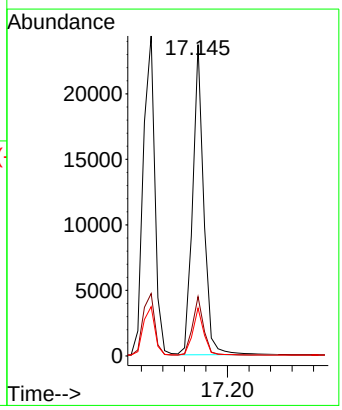


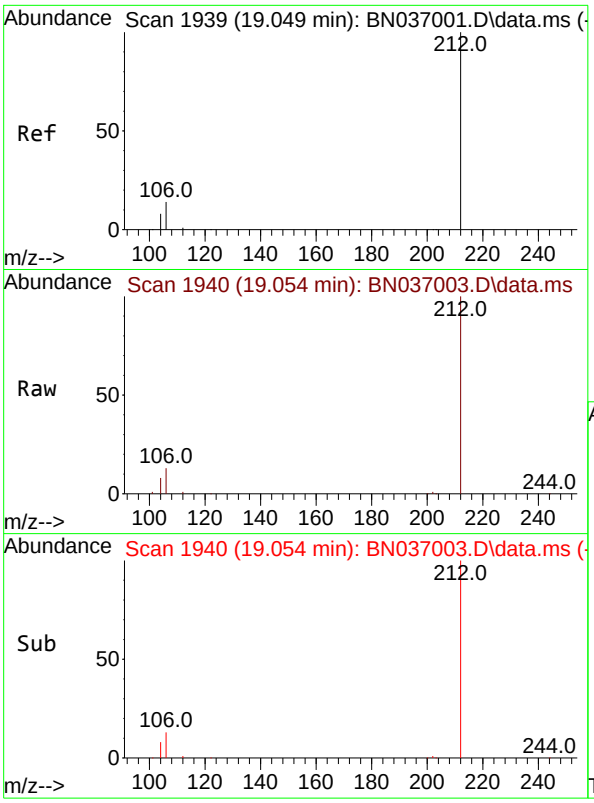


#26
Anthracene
Concen: 1.707 ng
RT: 17.145 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:178 Resp: 33908

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.1	12.3	18.5



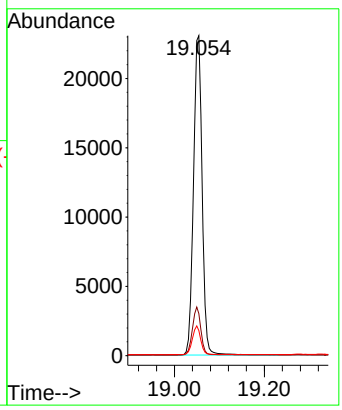


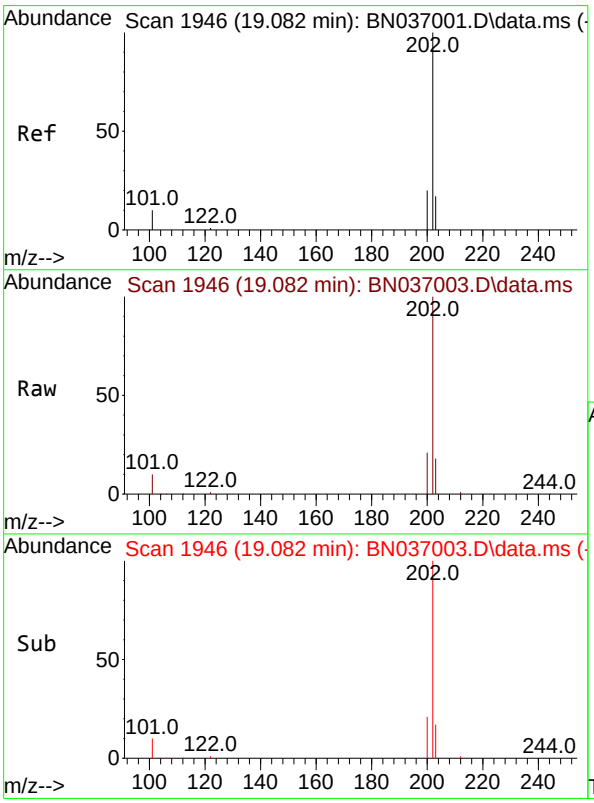
#27
Fluoranthene-d10
Concen: 1.682 ng
RT: 19.054 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 30804

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.3	16.9
104	8.6	6.7	10.1

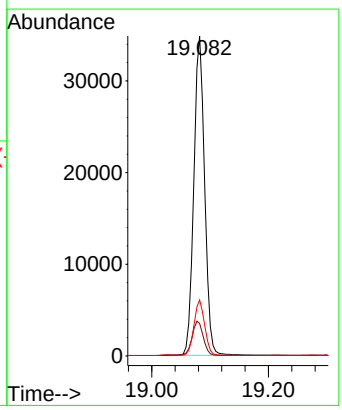


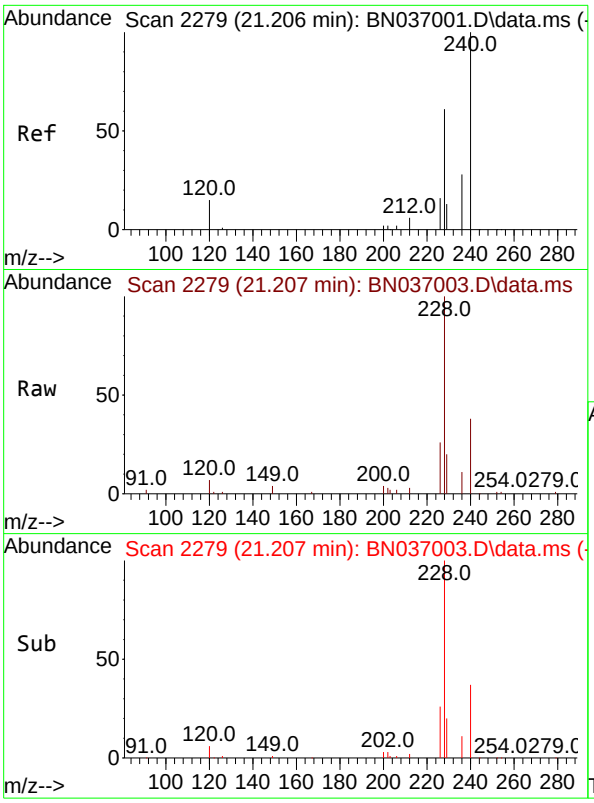


#28
Fluoranthene
Concen: 1.711 ng
RT: 19.082 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:202 Resp: 44613

Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.9	13.3
203	17.1	13.8	20.8



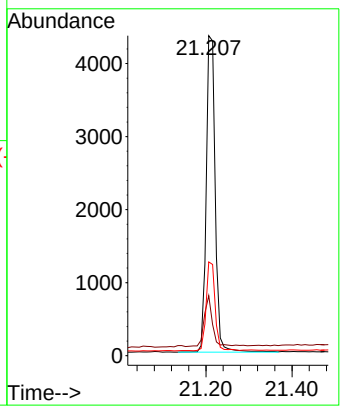


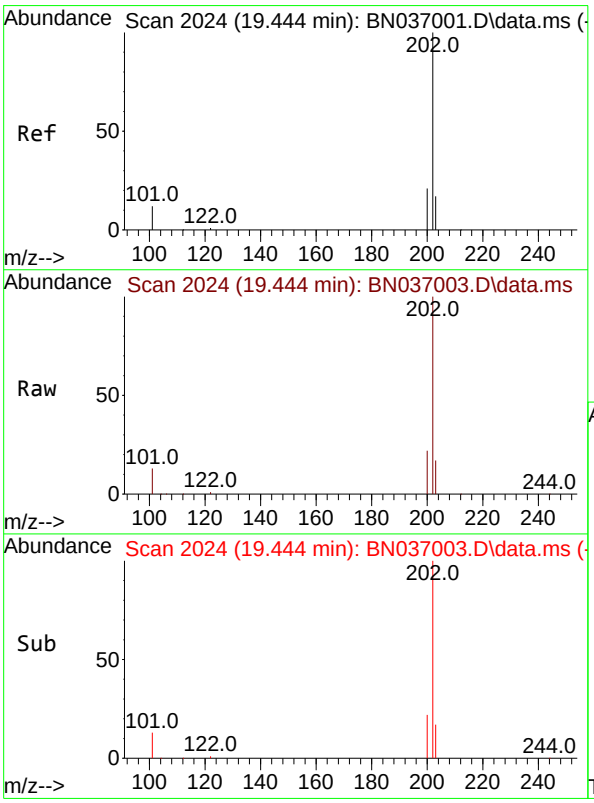
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.207 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 6288

Ion	Ratio	Lower	Upper
240	100		
120	18.7	15.1	22.7
236	29.3	24.0	36.0

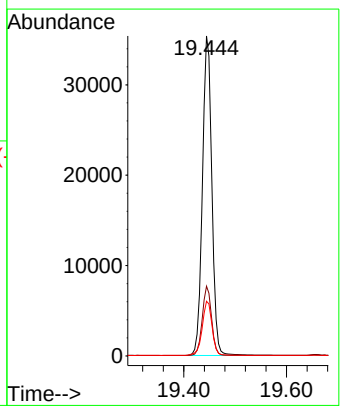


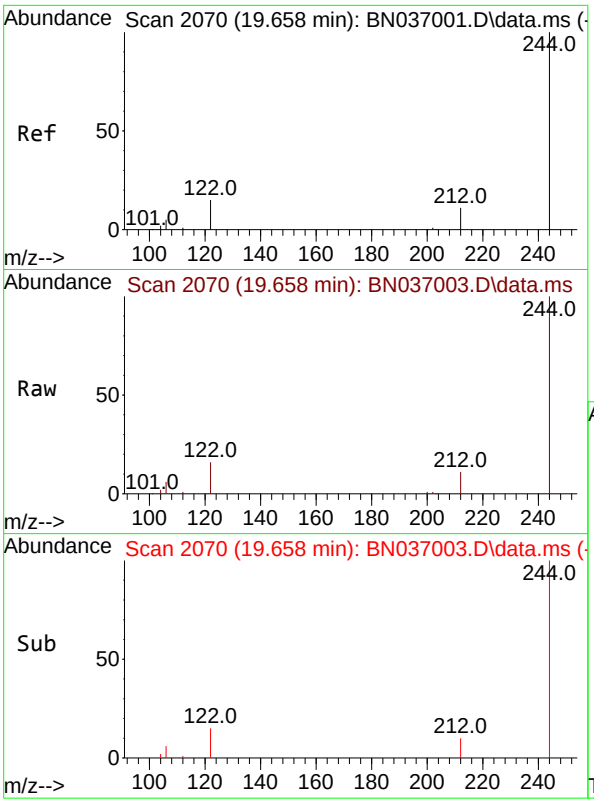


#30
Pyrene
Concen: 1.674 ng
RT: 19.444 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:202 Resp: 45015

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.7	14.2	21.4



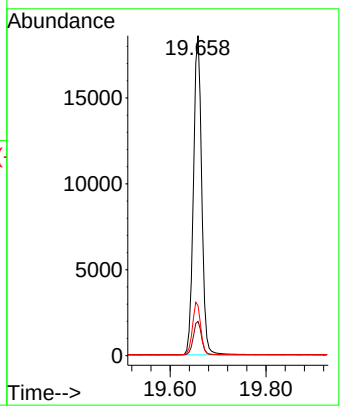


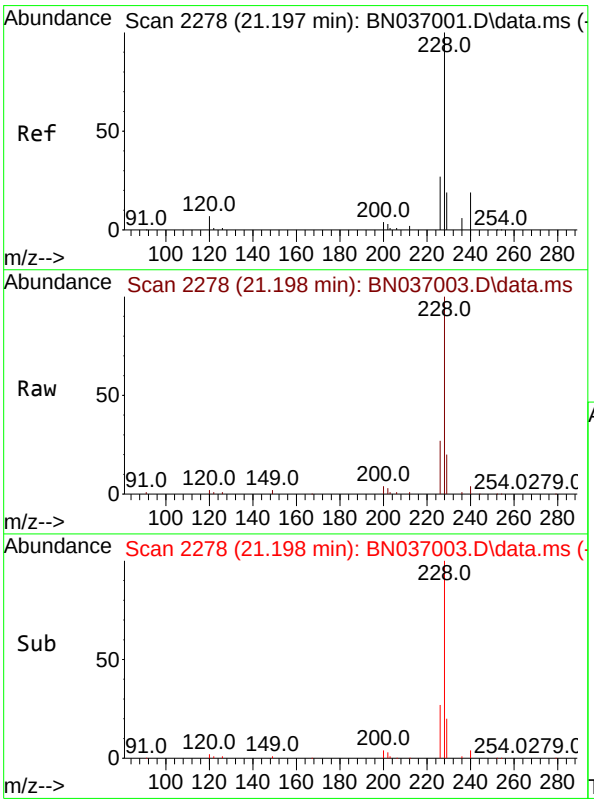
#31
Terphenyl-d14
Concen: 1.667 ng
RT: 19.658 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 22417

Ion	Ratio	Lower	Upper
244	100		
212	10.7	9.7	14.5
122	15.7	13.4	20.0

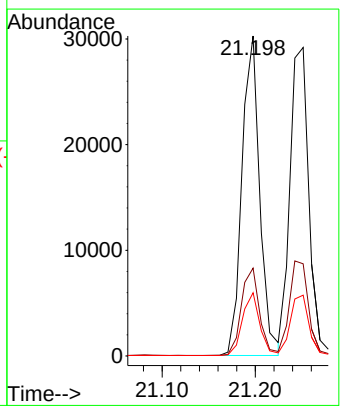


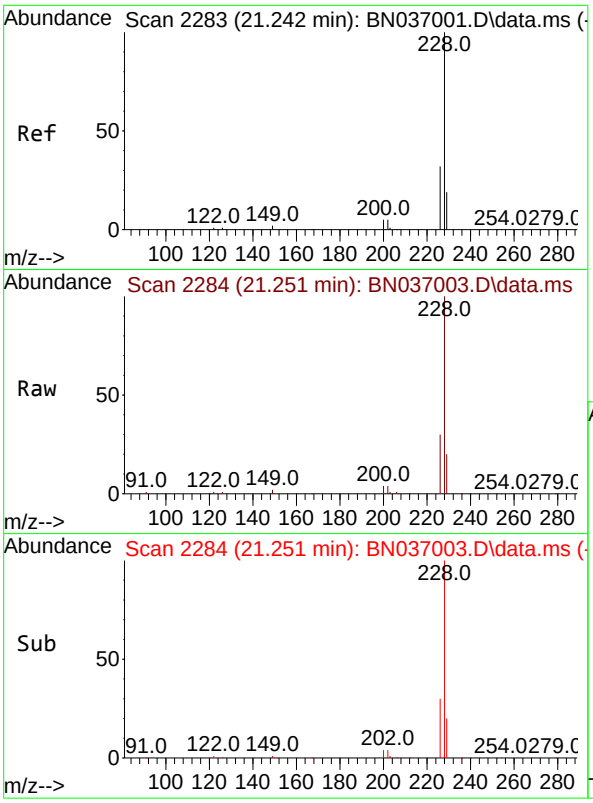


#32
Benzo(a)anthracene
Concen: 1.694 ng
RT: 21.198 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:228 Resp: 40103

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.4
229	19.8	16.0	24.0



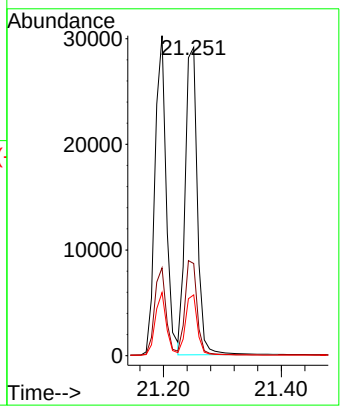


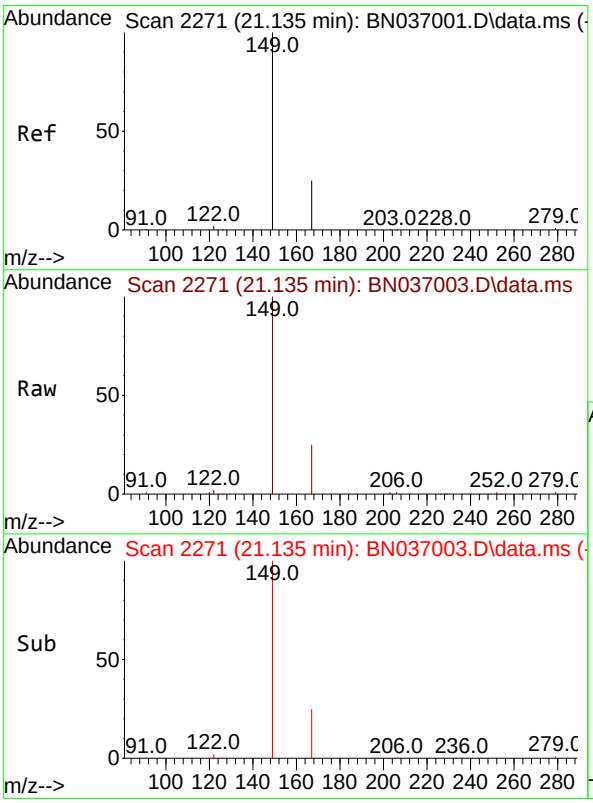
#33
Chrysene
Concen: 1.660 ng
RT: 21.251 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 41576

Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.3	39.5
229	19.7	16.2	24.2

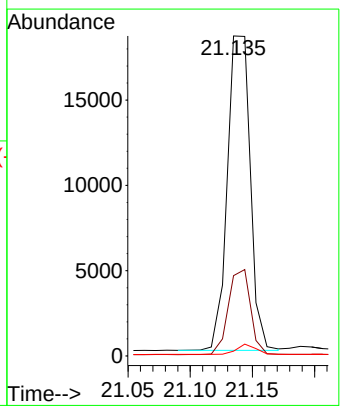


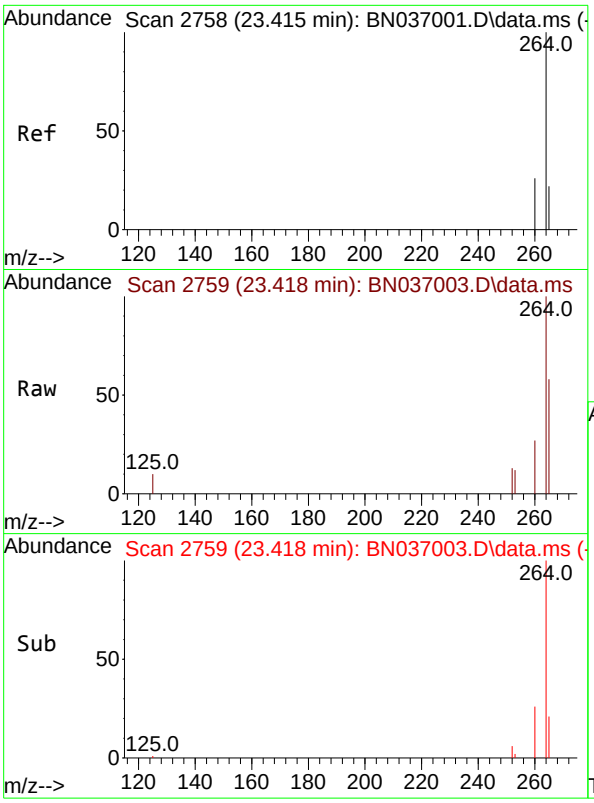


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.621 ng
RT: 21.135 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:149 Resp: 23656

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.6	30.8
279	2.7	2.6	3.8



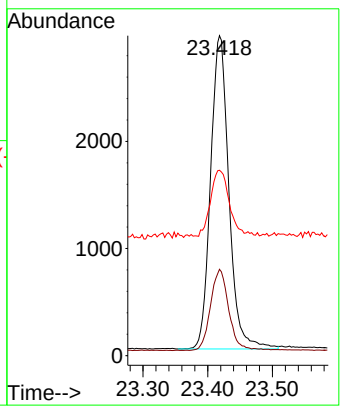


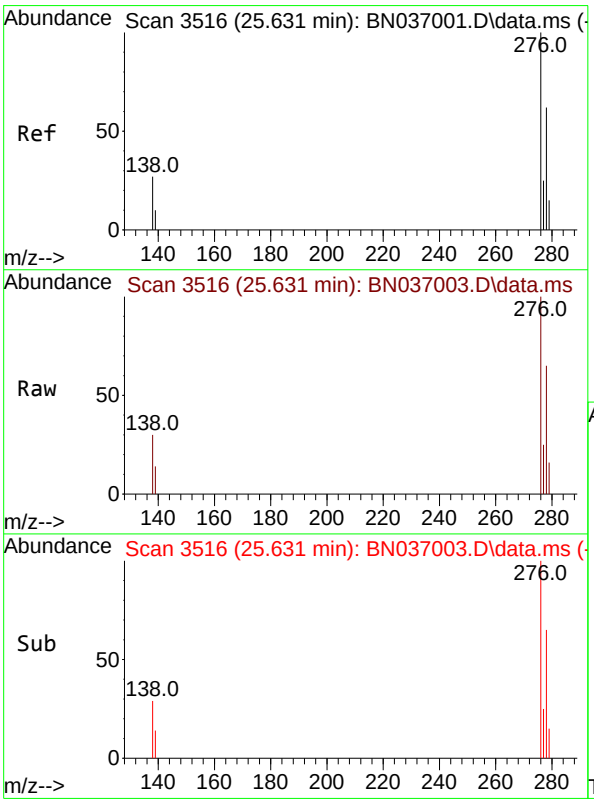
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.418 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 5747

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.9	32.9
265	58.0	51.6	77.4

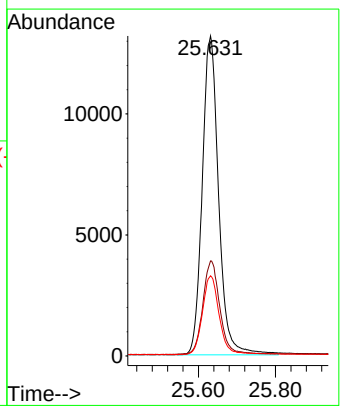


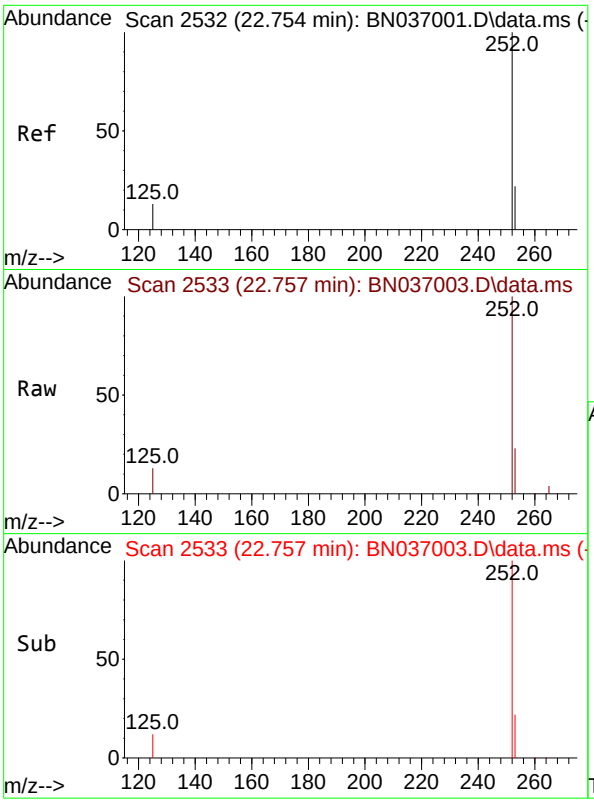


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.652 ng
RT: 25.631 min Scan# 3516
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:276 Resp: 38771

Ion	Ratio	Lower	Upper
276	100		
138	30.4	22.7	34.1
277	24.9	20.0	30.0



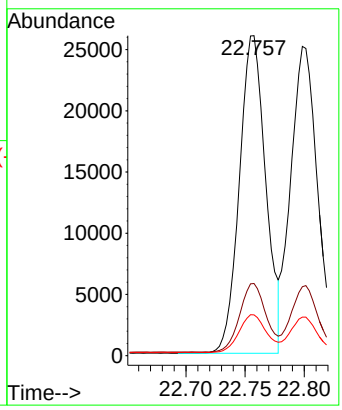


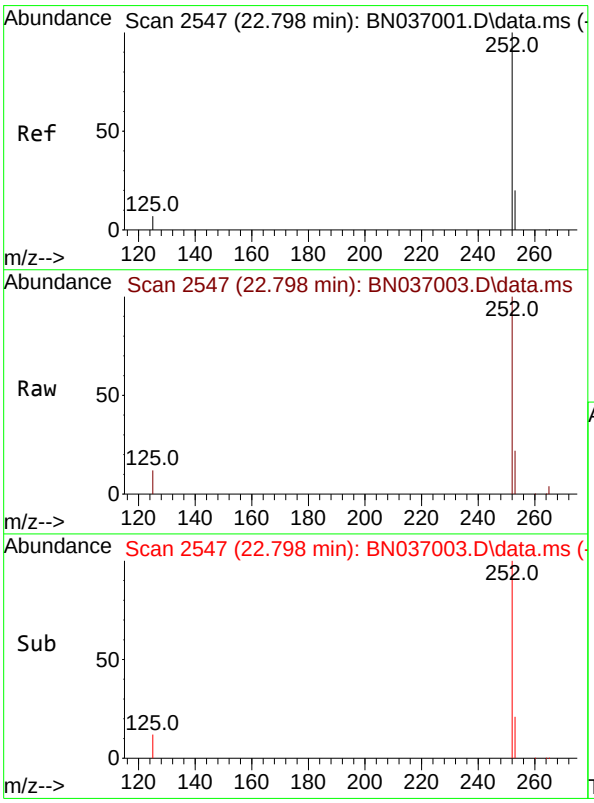
#37
Benzo(b)fluoranthene
Concen: 1.688 ng
RT: 22.757 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 40209

Ion	Ratio	Lower	Upper
252	100		
253	22.5	21.8	32.6
125	12.8	14.6	21.8#

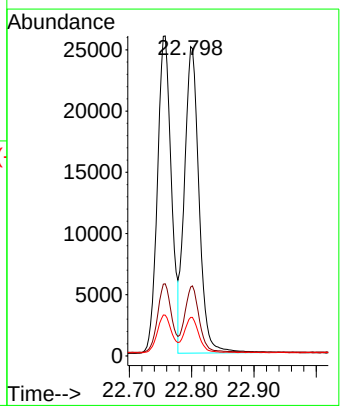


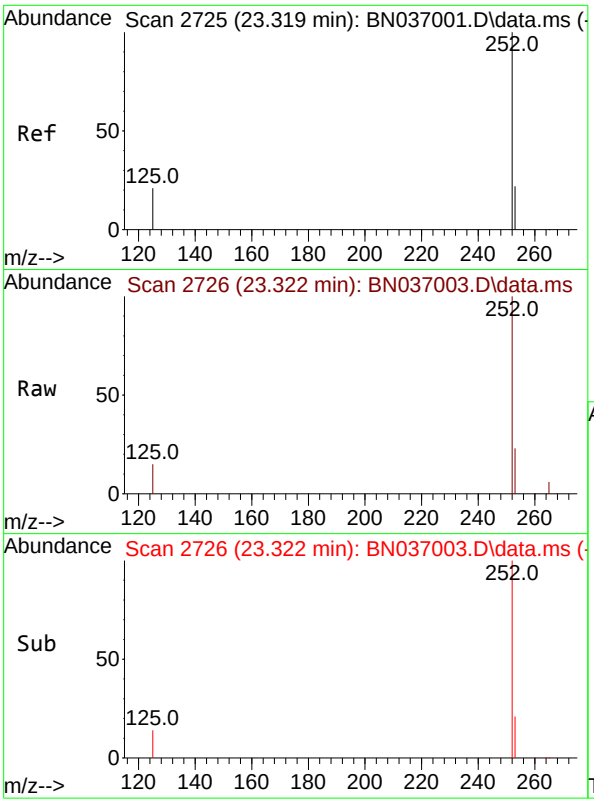


#38
Benzo(k)fluoranthene
Concen: 1.729 ng
RT: 22.798 min Scan# 2547
Delta R.T. 0.000 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:252 Resp: 40699

Ion	Ratio	Lower	Upper
252	100		
253	22.3	21.4	32.2
125	12.4	13.0	19.4#



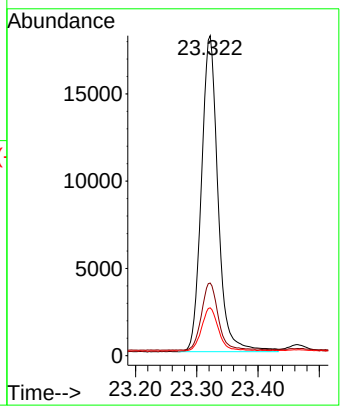


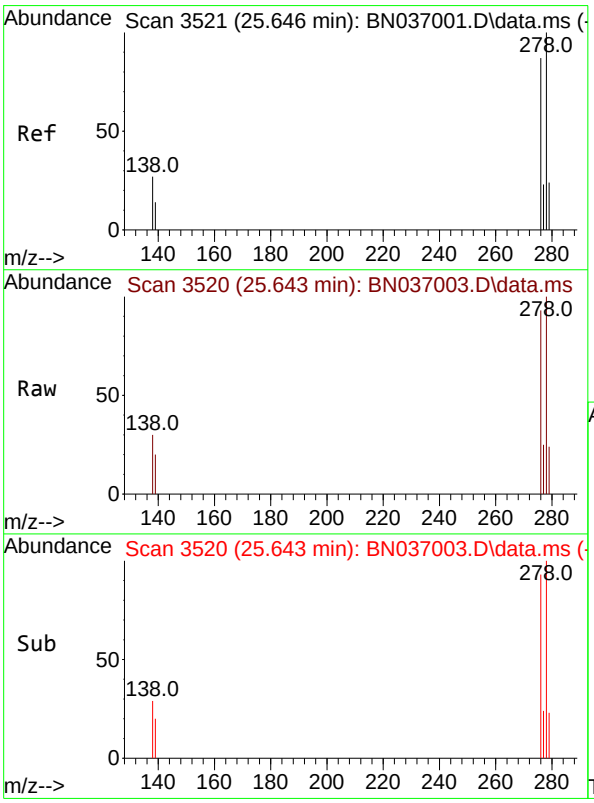
#39
Benzo(a)pyrene
Concen: 1.689 ng
RT: 23.322 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 34149

Ion	Ratio	Lower	Upper
252	100		
253	22.7	23.8	35.6#
125	15.0	21.8	32.6#

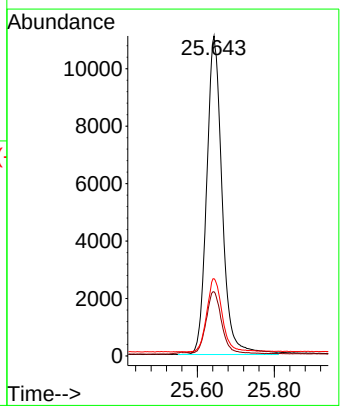


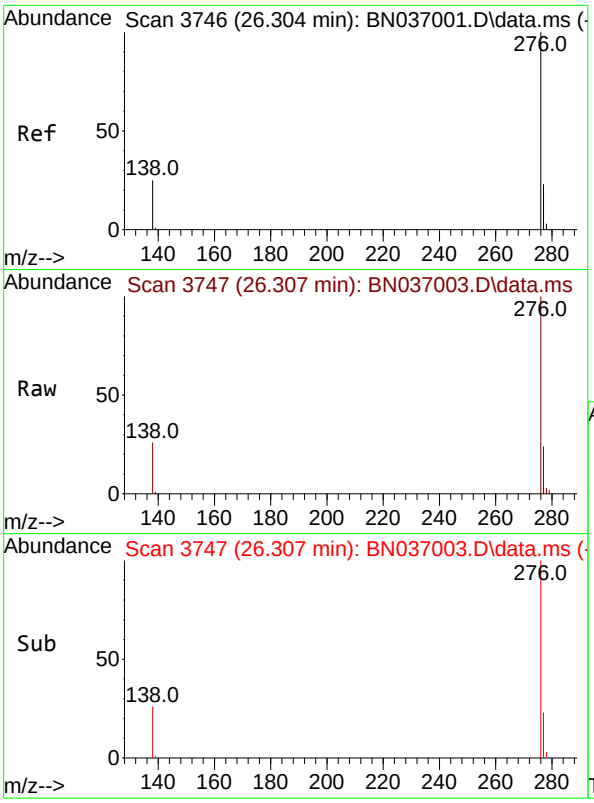


#40
Dibenzo(a,h)anthracene
Concen: 1.685 ng
RT: 25.643 min Scan# 3520
Delta R.T. -0.003 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Tgt Ion:278 Resp: 30810

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.4	26.0
279	24.1	24.6	37.0#





#41
Benzo(g,h,i)perylene
Concen: 1.624 ng
RT: 26.307 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037003.D
Acq: 13 May 2025 20:05

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 32256

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.2	30.4
138	26.2	22.0	33.0