Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101524\
Data File : BN034602.D
Acq On : 16 Oct 2024 09:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 16 11:27:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 16 00:09:32 2024
Response via : Initial Calibration

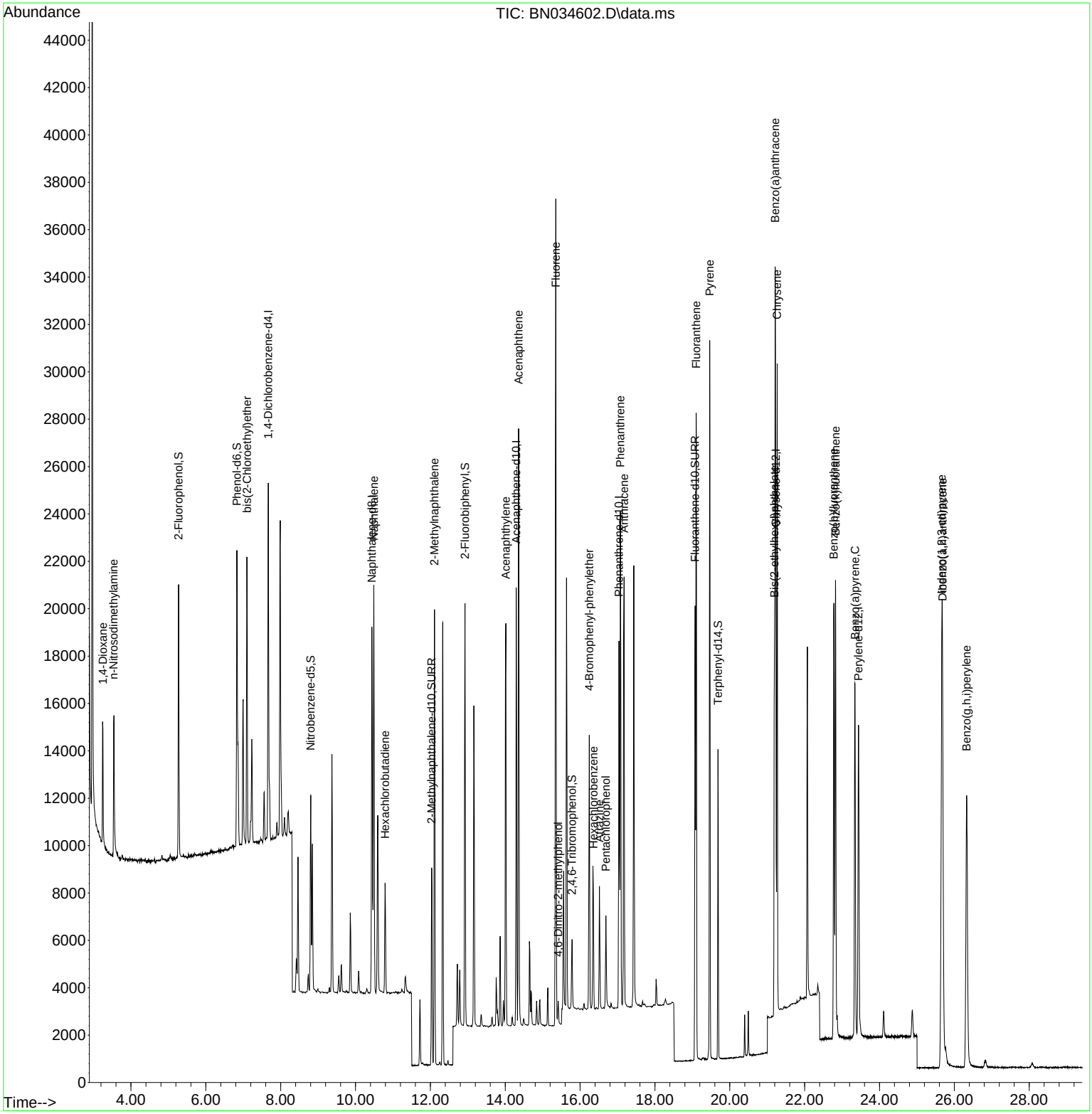
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152	6990	0.400	ng		0.00
7) Naphthalene-d8	10.436	136	19323	0.400	ng		#-0.01
13) Acenaphthene-d10	14.293	164	9860	0.400	ng		0.00
19) Phenanthrene-d10	17.039	188	18523	0.400	ng		0.00
29) Chrysene-d12	21.230	240	14321	0.400	ng		# 0.00
35) Perylene-d12	23.438	264	16198	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.271	112	8694	0.374	ng		0.00
5) Phenol-d6	6.831	99	11222	0.378	ng		0.00
8) Nitrobenzene-d5	8.803	82	6072	0.397	ng		0.00
11) 2-Methylnaphthalene-d10	12.033	152	10939	0.384	ng		0.00
14) 2,4,6-Tribromophenol	15.785	330	1681	0.341	ng		0.00
15) 2-Fluorobiphenyl	12.925	172	14809	0.398	ng		0.00
27) Fluoranthene-d10	19.073	212	18660	0.392	ng		0.00
31) Terphenyl-d14	19.687	244	11821	0.406	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.249	88	3219	0.388	ng		96
3) n-Nitrosodimethylamine	3.538	42	3503	0.395	ng		96
6) bis(2-Chloroethyl)ether	7.098	93	8028	0.392	ng		98
9) Naphthalene	10.490	128	21014	0.397	ng		95
10) Hexachlorobutadiene	10.789	225	3655	0.403	ng	#	99
12) 2-Methylnaphthalene	12.109	142	13122	0.390	ng		97
16) Acenaphthylene	14.015	152	18750	0.385	ng		100
17) Acenaphthene	14.357	154	11908	0.391	ng		98
18) Fluorene	15.352	166	14542	0.384	ng		99
20) 4,6-Dinitro-2-methylph...	15.416	198	642	0.421	ng	#	49
21) 4-Bromophenyl-phenylether	16.244	248	4227	0.415	ng		100
22) Hexachlorobenzene	16.356	284	5039	0.431	ng		98
23) Atrazine	16.517	200	3640	0.381	ng		98
24) Pentachlorophenol	16.691	266	1880	0.365	ng		100
25) Phenanthrene	17.076	178	21601	0.423	ng		100
26) Anthracene	17.175	178	20313	0.404	ng		99
28) Fluoranthene	19.101	202	24035	0.406	ng		100
30) Pyrene	19.464	202	25077	0.433	ng		100
32) Benzo(a)anthracene	21.212	228	21592	0.410	ng		99
33) Chrysene	21.266	228	21076	0.419	ng		100
34) Bis(2-ethylhexyl)phtha...	21.194	149	13636	0.372	ng		99
36) Indeno(1,2,3-cd)pyrene	25.663	276	25464	0.406	ng		99
37) Benzo(b)fluoranthene	22.780	252	22617	0.410	ng		97
38) Benzo(k)fluoranthene	22.824	252	22046	0.414	ng		95
39) Benzo(a)pyrene	23.344	252	19851	0.404	ng		95
40) Dibenzo(a,h)anthracene	25.683	278	20361	0.406	ng		97
41) Benzo(g,h,i)perylene	26.327	276	22051	0.412	ng		96

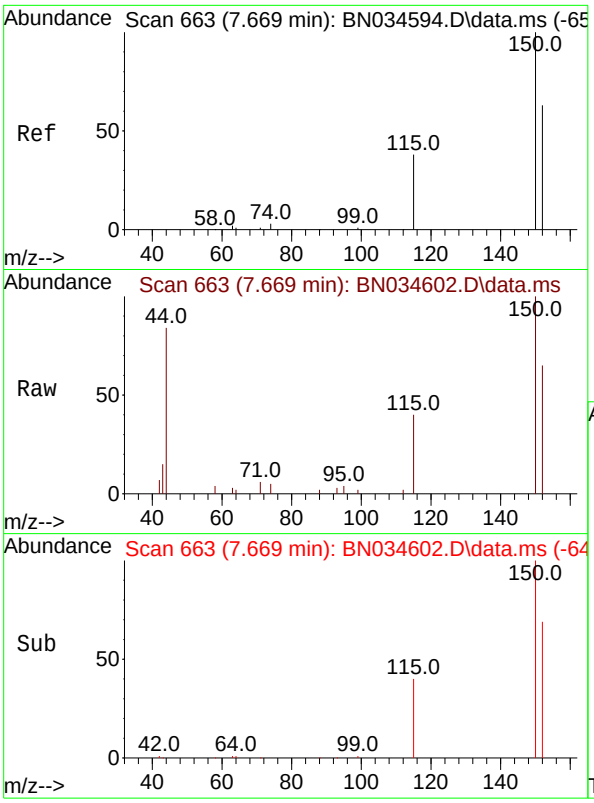
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101524\
Data File : BN034602.D
Acq On : 16 Oct 2024 09:32
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 16 11:27:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 16 00:09:32 2024
Response via : Initial Calibration



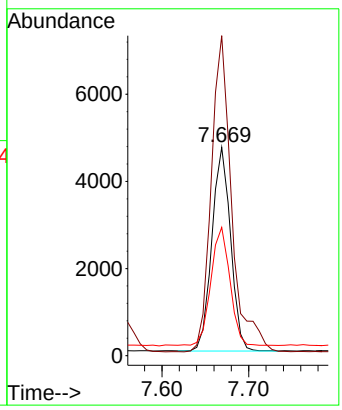


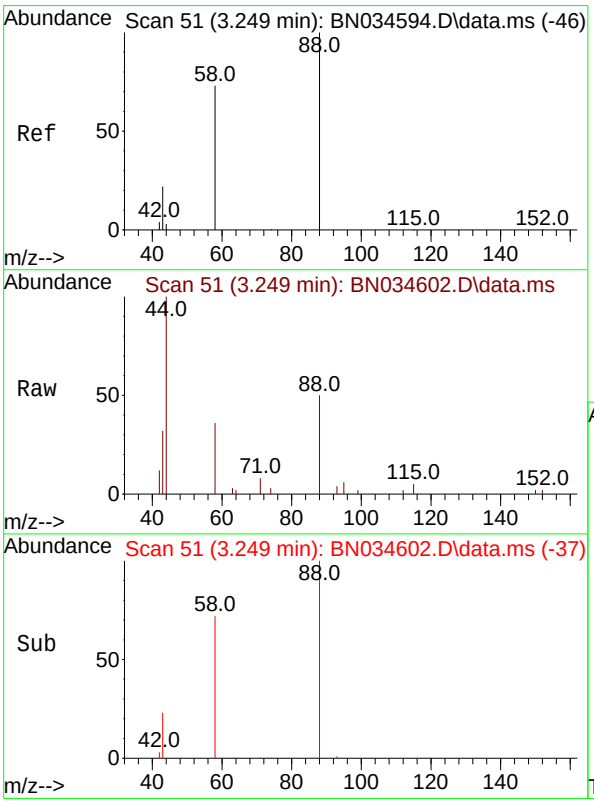
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.669 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6990

Ion	Ratio	Lower	Upper
152	100		
150	153.6	119.8	179.6
115	61.6	55.8	83.6

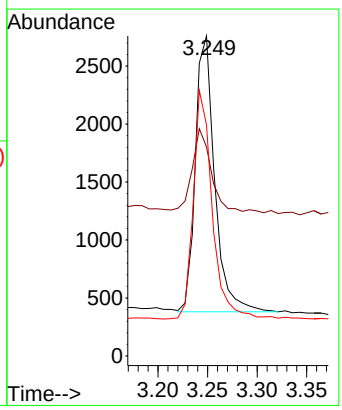


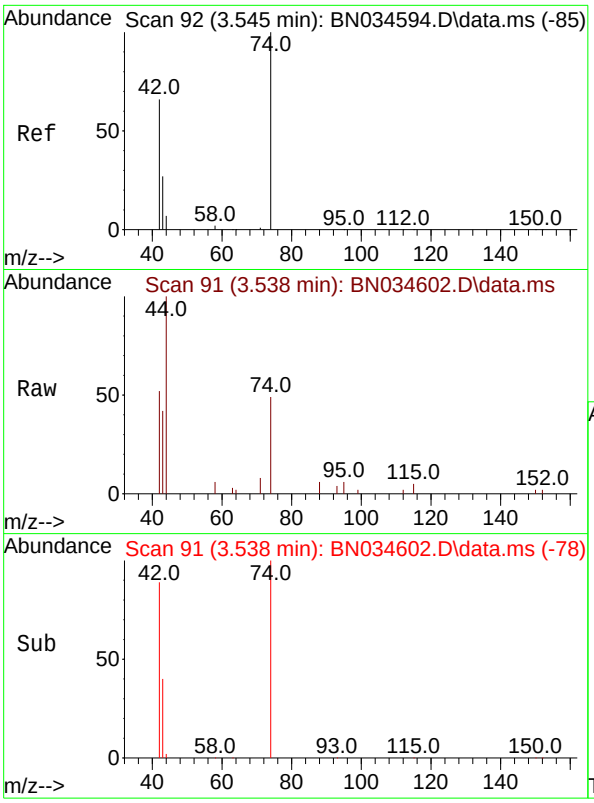


#2
1,4-Dioxane
Concen: 0.388 ng
RT: 3.249 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion: 88 Resp: 3219

Ion	Ratio	Lower	Upper
88	100		
43	32.3	27.7	41.5
58	81.4	68.4	102.6



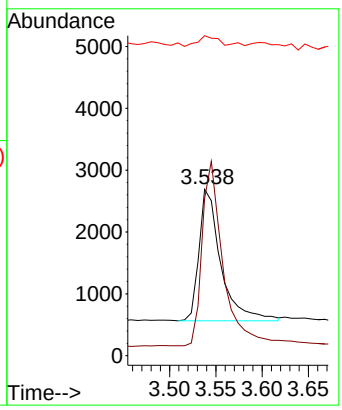


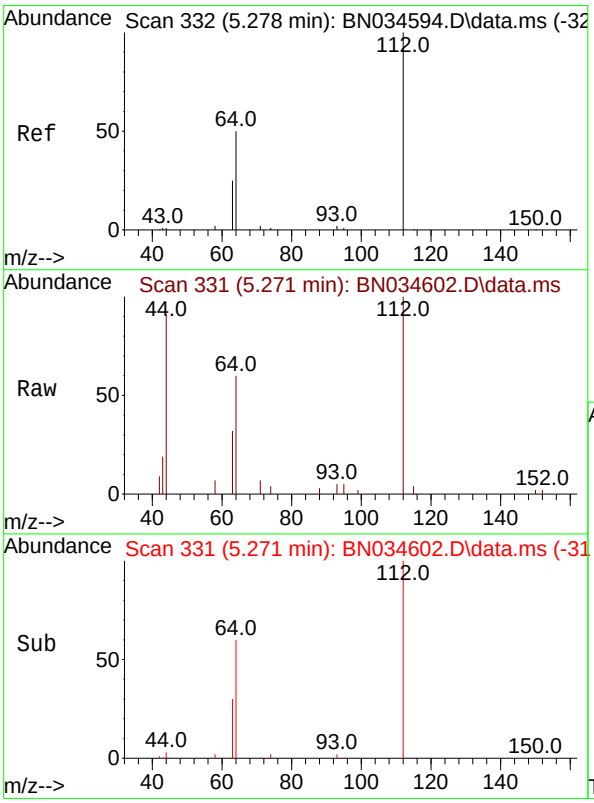
#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.538 min Scan# 91
Delta R.T. -0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3503

Ion	Ratio	Lower	Upper
42	100		
74	134.8	112.0	168.0
44	7.5	7.1	10.7

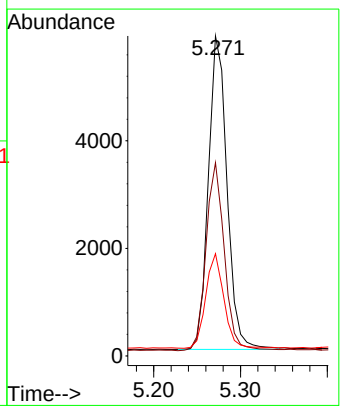


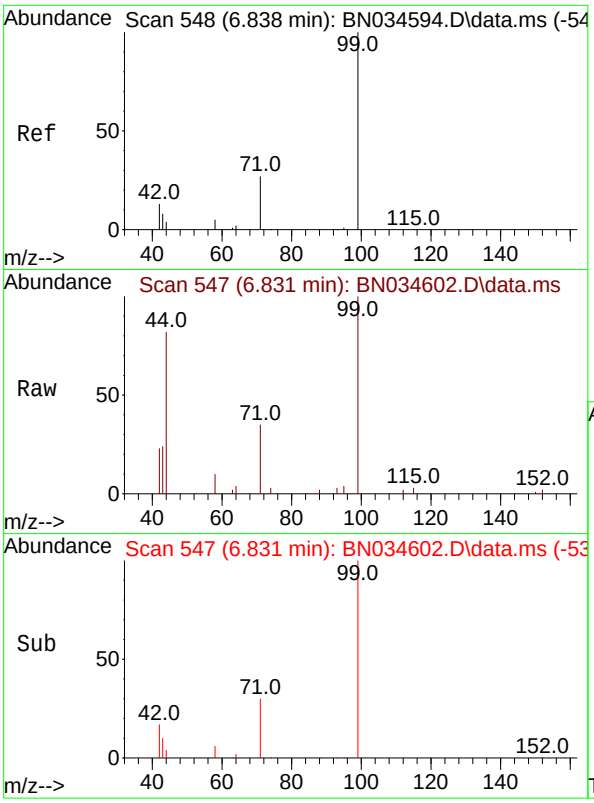


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.271 min Scan# 331
Delta R.T. -0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:112 Resp: 8694

Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.6	70.0
63	29.6	23.0	34.6



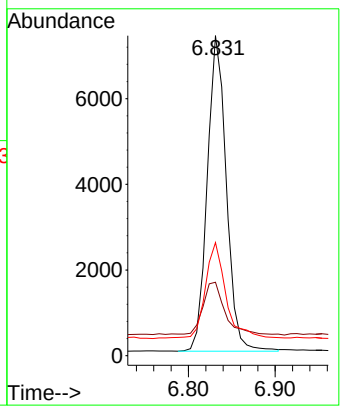


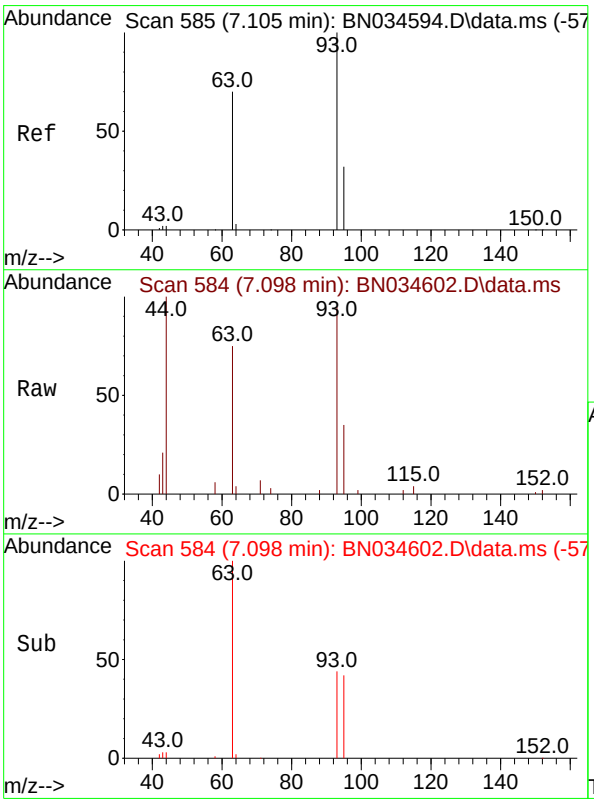
#5
Phenol-d6
Concen: 0.378 ng
RT: 6.831 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 11222

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.4
71	33.2	25.4	38.0

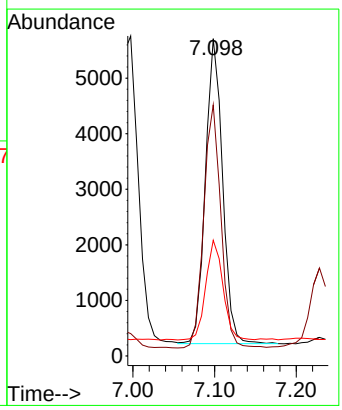


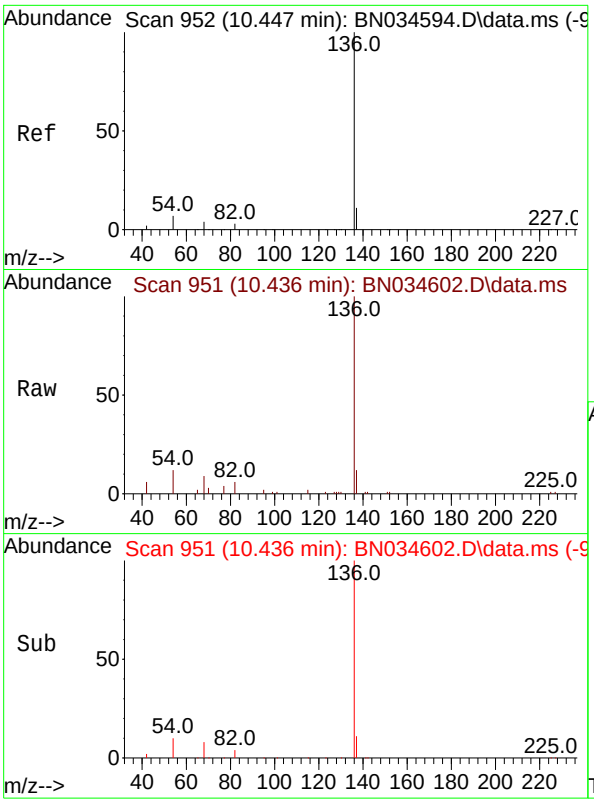


#6
bis(2-Chloroethyl)ether
Concen: 0.392 ng
RT: 7.098 min Scan# 584
Delta R.T. -0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion: 93 Resp: 8028

Ion	Ratio	Lower	Upper
93	100		
63	80.1	63.0	94.4
95	32.7	27.7	41.5



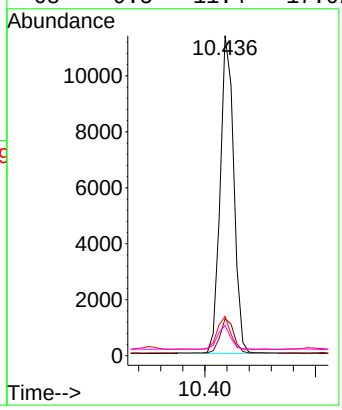


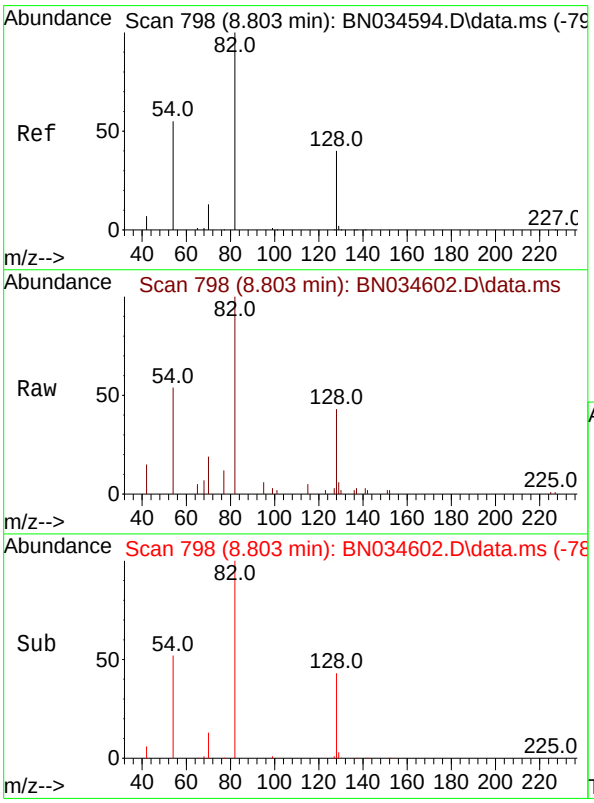
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.436 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 19323

Ion	Ratio	Lower	Upper
136	100		
137	11.6	10.7	16.1
54	12.2	11.6	17.4
68	9.5	11.4	17.0#

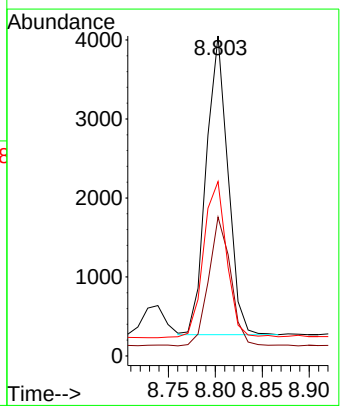


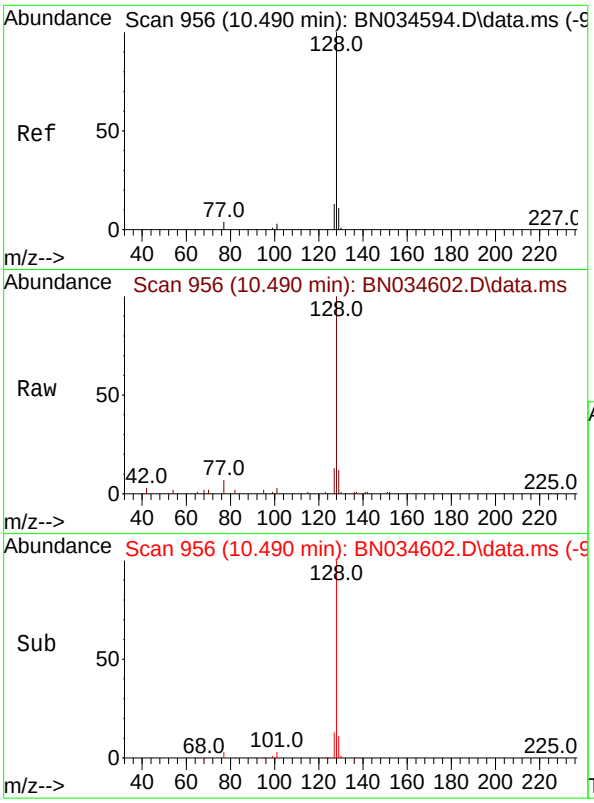


#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.803 min Scan# 798
Delta R.T. 0.000 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion: 82 Resp: 6072

Ion	Ratio	Lower	Upper
82	100		
128	43.4	27.0	40.4#
54	54.5	43.7	65.5



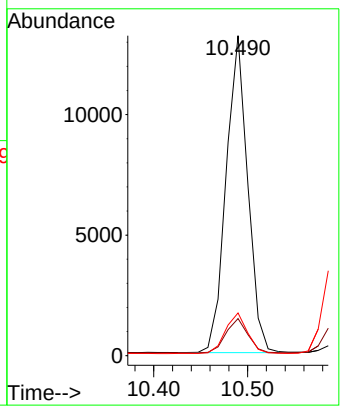


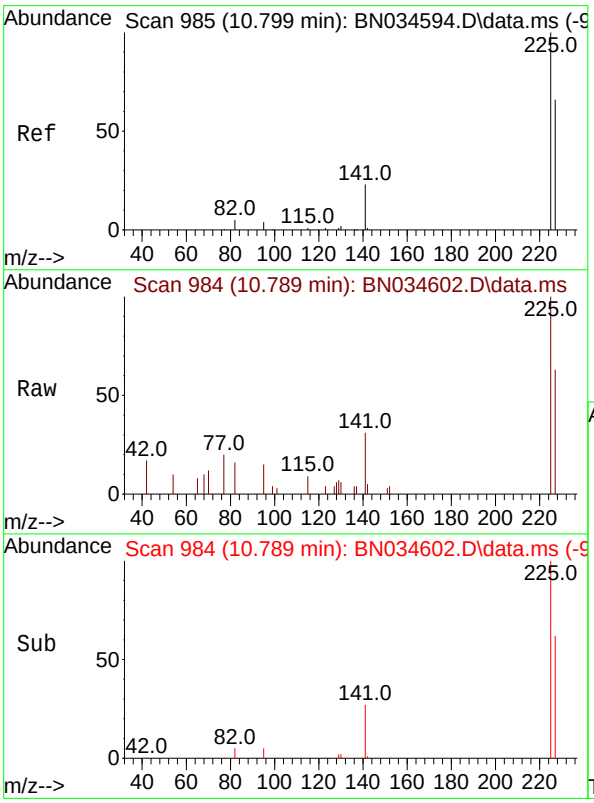
#9
Naphthalene
Concen: 0.397 ng
RT: 10.490 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 21014

Ion	Ratio	Lower	Upper
128	100		
129	11.6	10.6	15.8
127	13.4	12.8	19.2

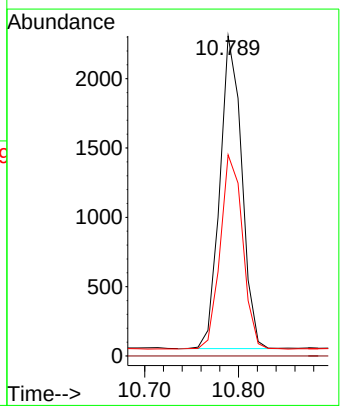


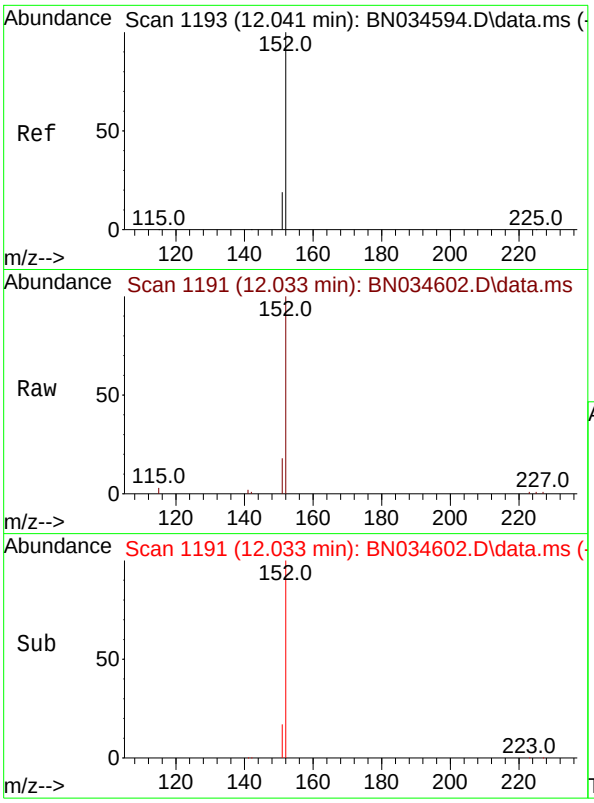


#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.011 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:225 Resp: 3655

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.5	77.3



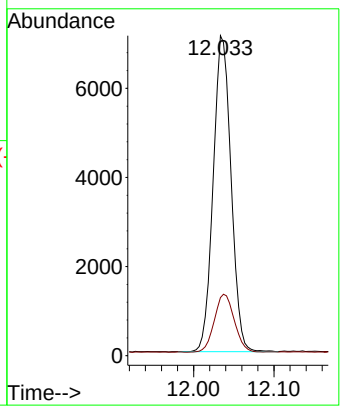


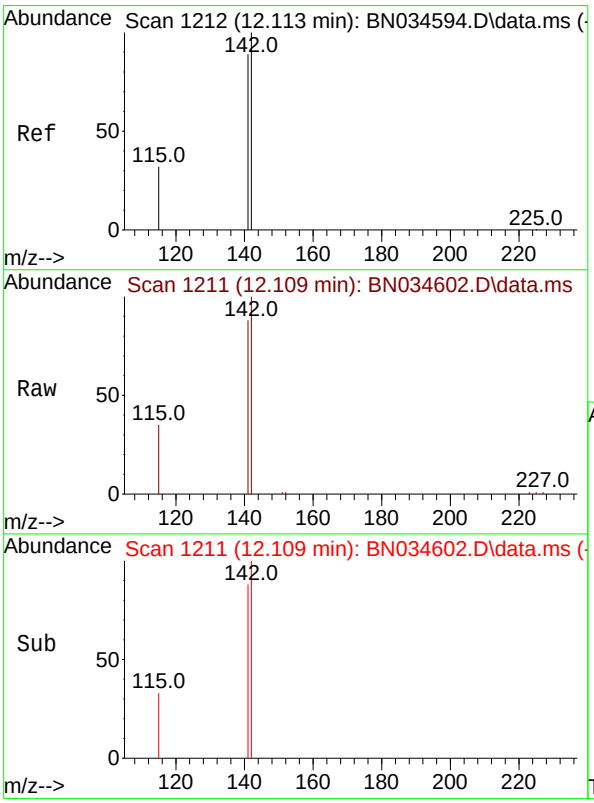
#11
2-Methylnaphthalene-d10
Concen: 0.384 ng
RT: 12.033 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 10939

Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.0	25.4

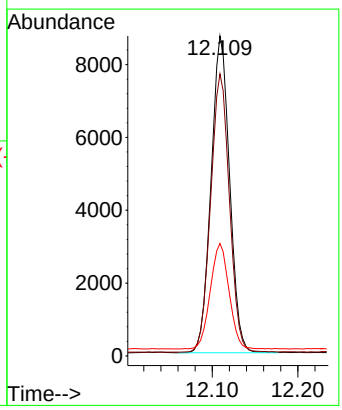


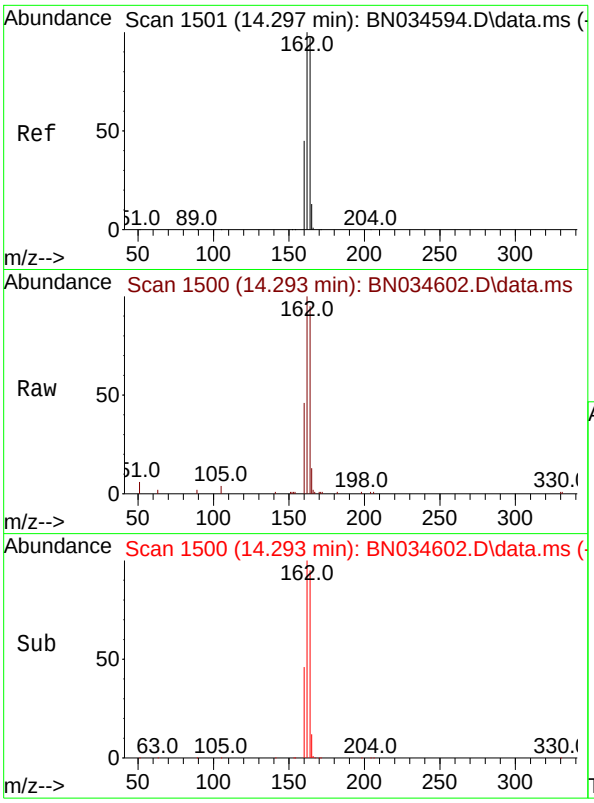


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.109 min Scan# 1211
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:142 Resp: 13122

Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.1	108.1
115	35.2	30.0	45.0



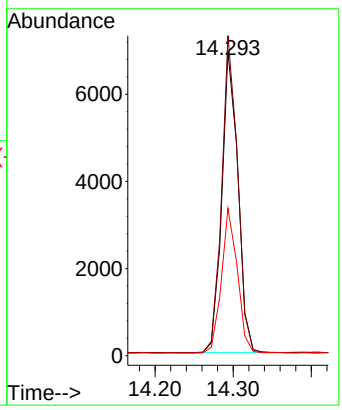


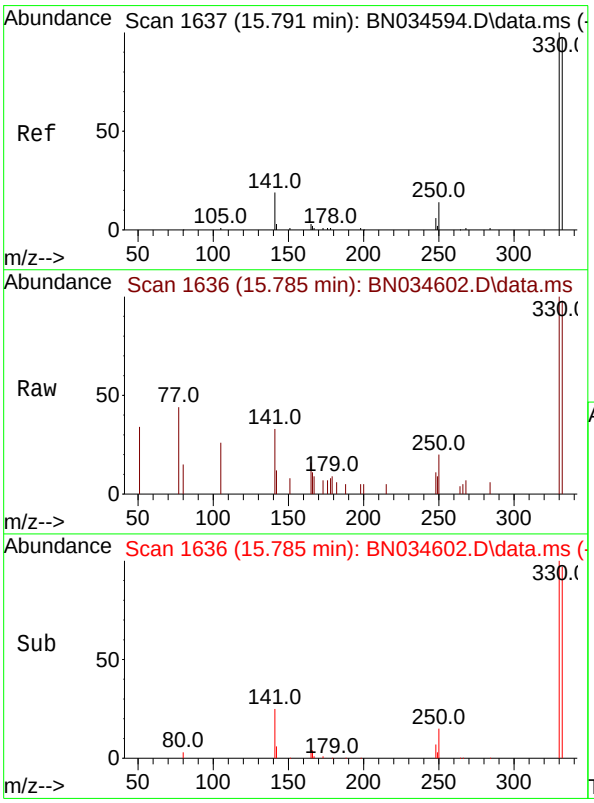
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.293 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 9860

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.5	123.7
160	48.4	37.8	56.6

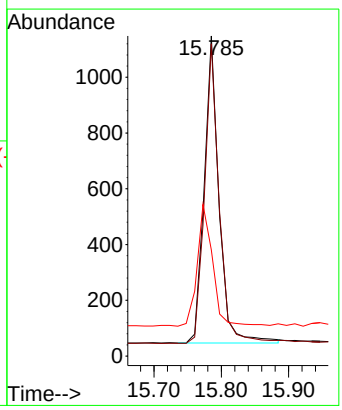


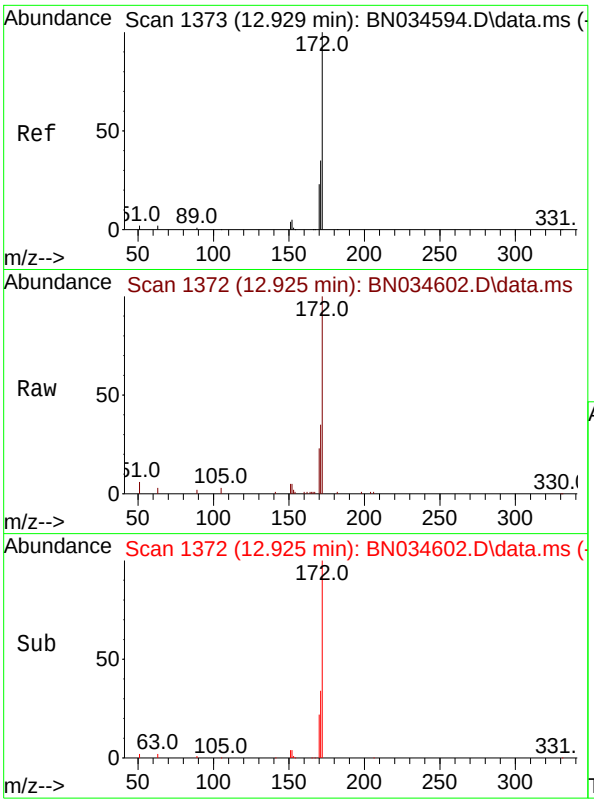


#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 15.785 min Scan# 1636
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:330 Resp: 1681

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	39.9	31.5	47.3



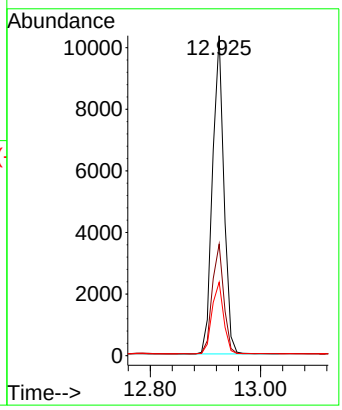


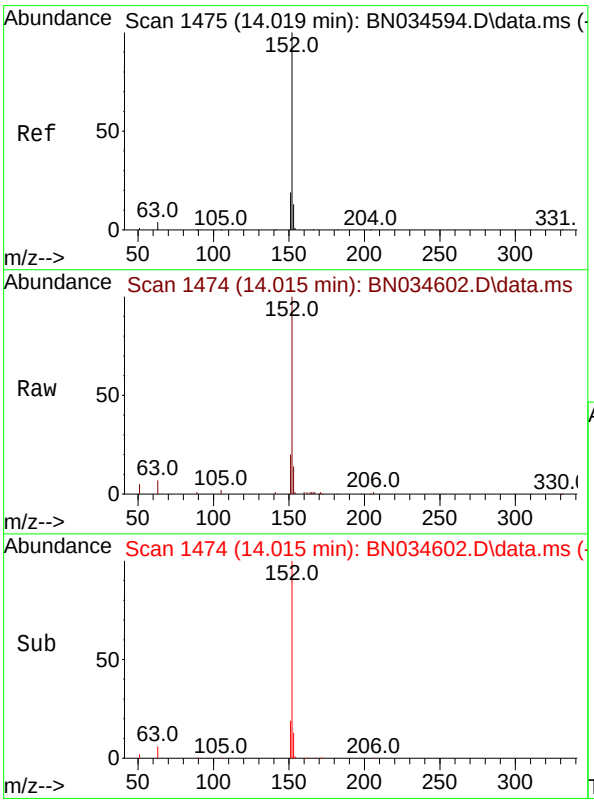
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.925 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 14809

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	23.0	19.1	28.7

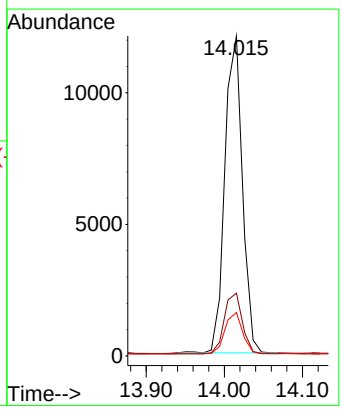


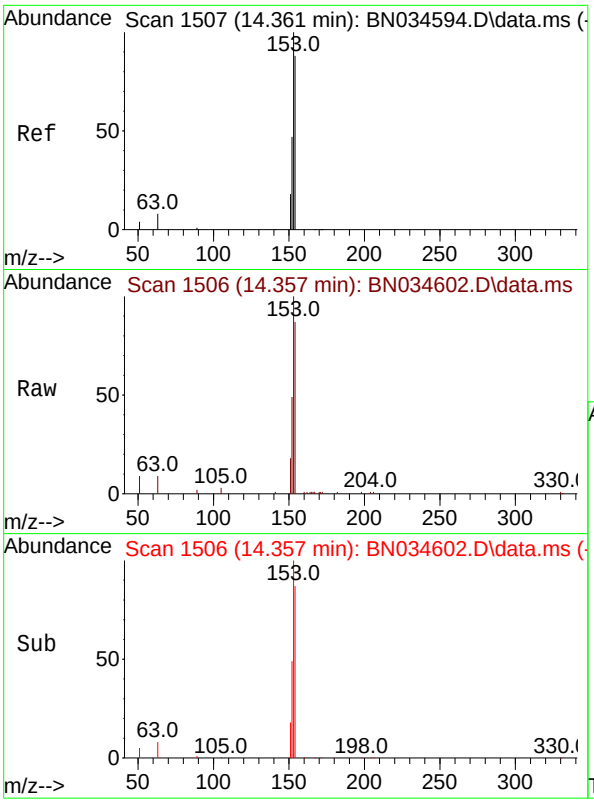


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.015 min Scan# 1474
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:152 Resp: 18750

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.1	10.6	15.8



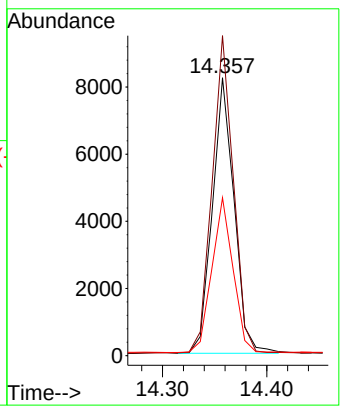


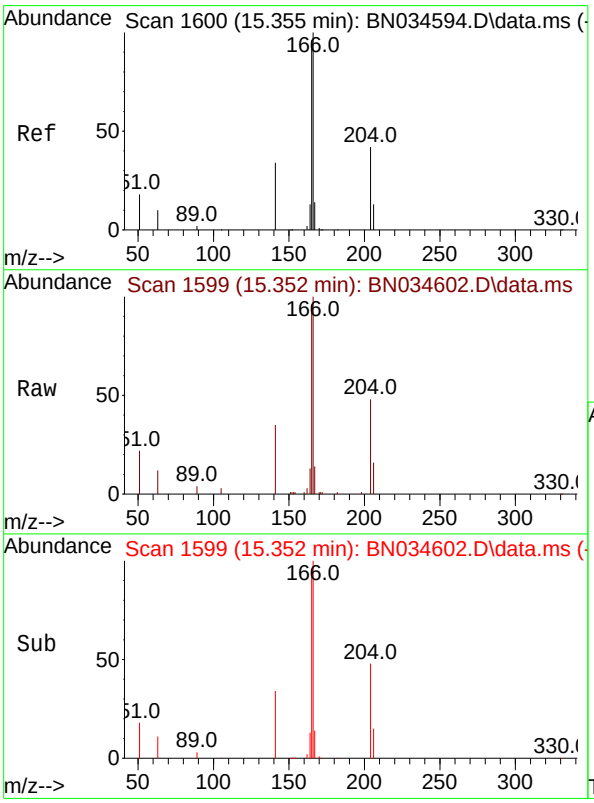
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 11908

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.0	133.6
152	54.6	41.8	62.6

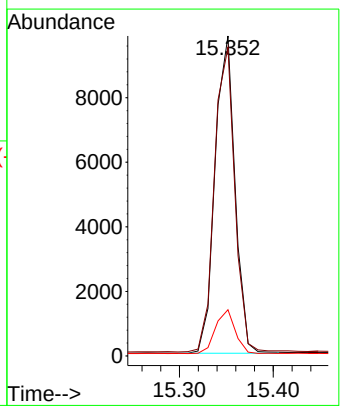


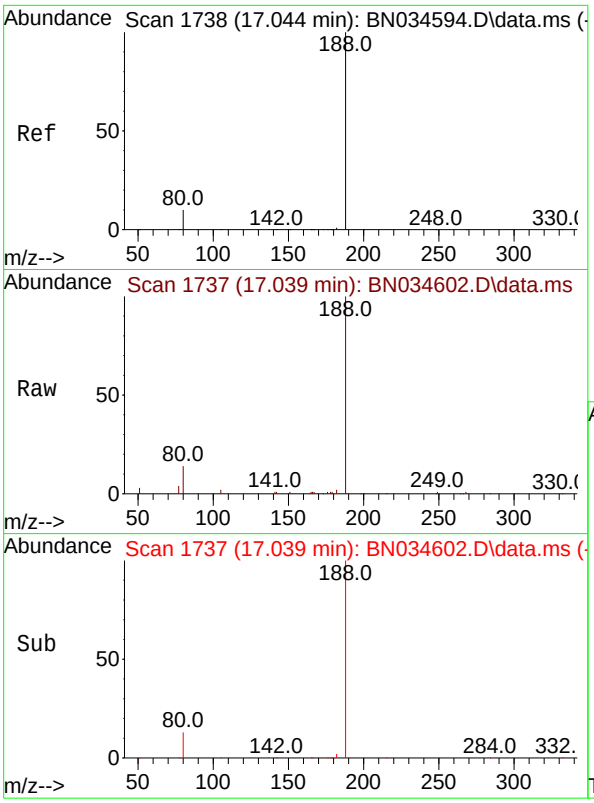


#18
Fluorene
Concen: 0.384 ng
RT: 15.352 min Scan# 1599
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:166 Resp: 14542

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.7	118.1
167	13.6	10.9	16.3





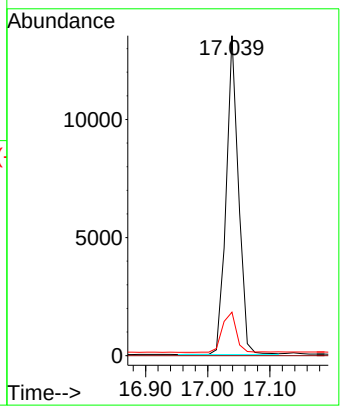
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.039 min Scan# 1

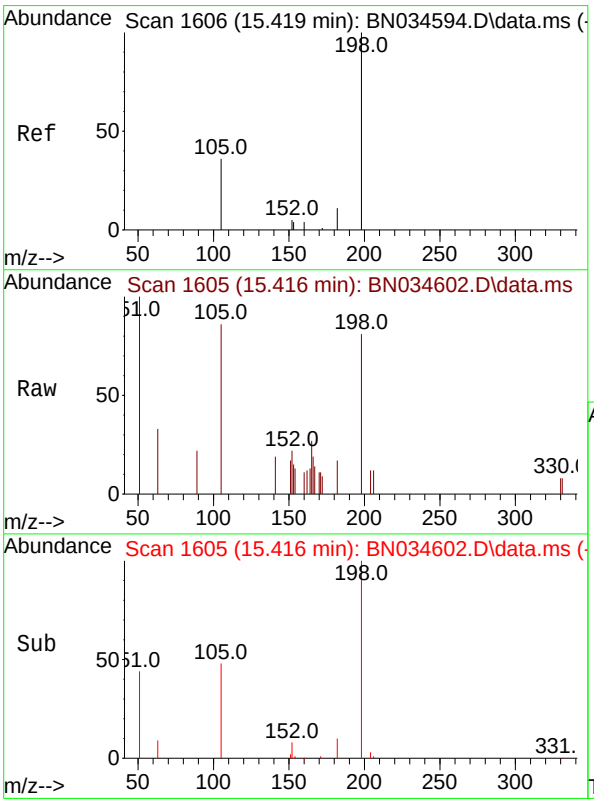
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:188 Resp: 18523

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	11.0	16.6

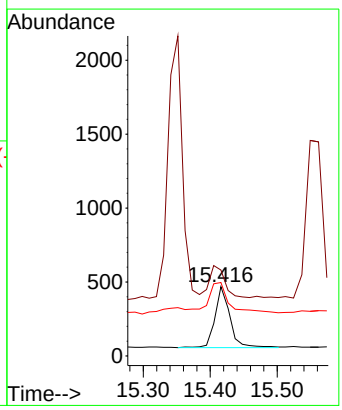


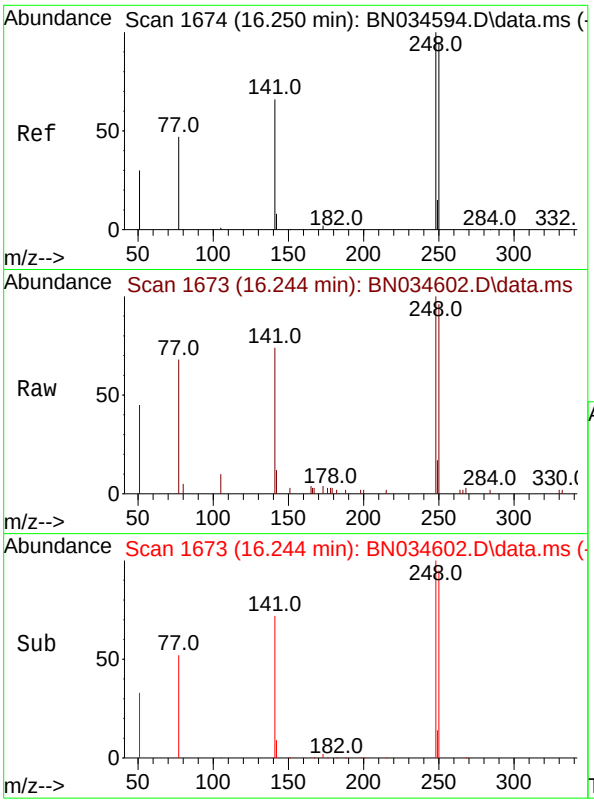


#20
4,6-Dinitro-2-methylphenol
Concen: 0.421 ng
RT: 15.416 min Scan# 1605
Delta R.T. -0.004 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:198 Resp: 642

Ion	Ratio	Lower	Upper
198	100		
51	124.1	138.6	208.0#
105	106.2	163.8	245.8#



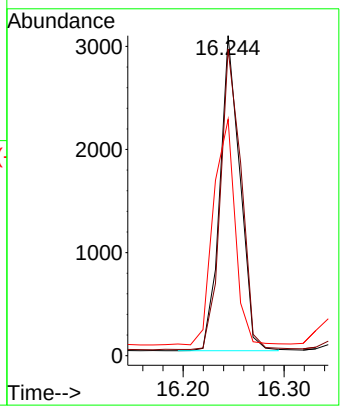


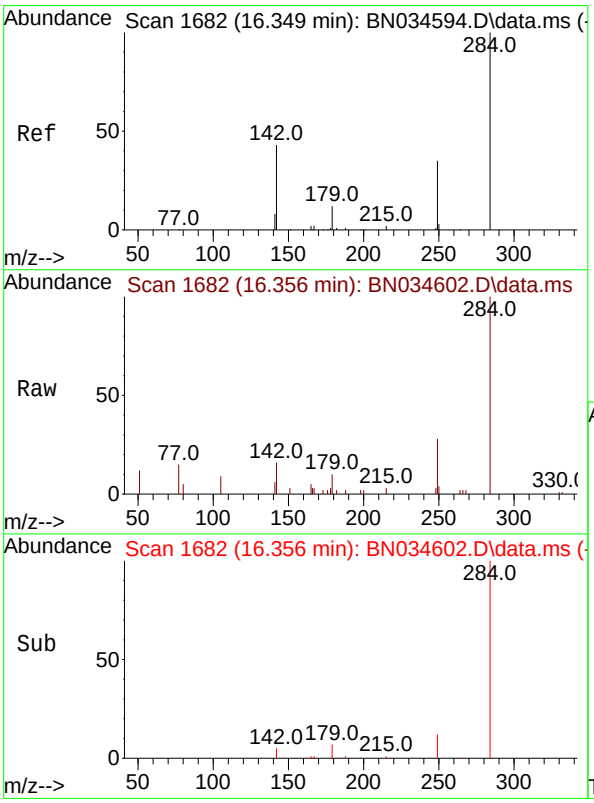
#21
4-Bromophenyl-phenylether
Concen: 0.415 ng
RT: 16.244 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4227

Ion	Ratio	Lower	Upper
248	100		
250	95.8	76.9	115.3
141	73.9	58.7	88.1

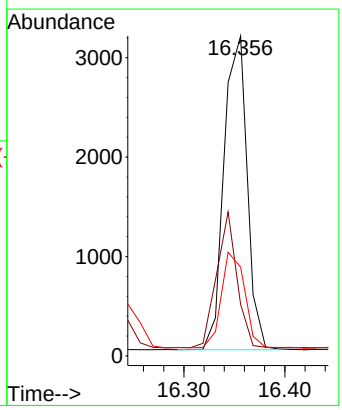


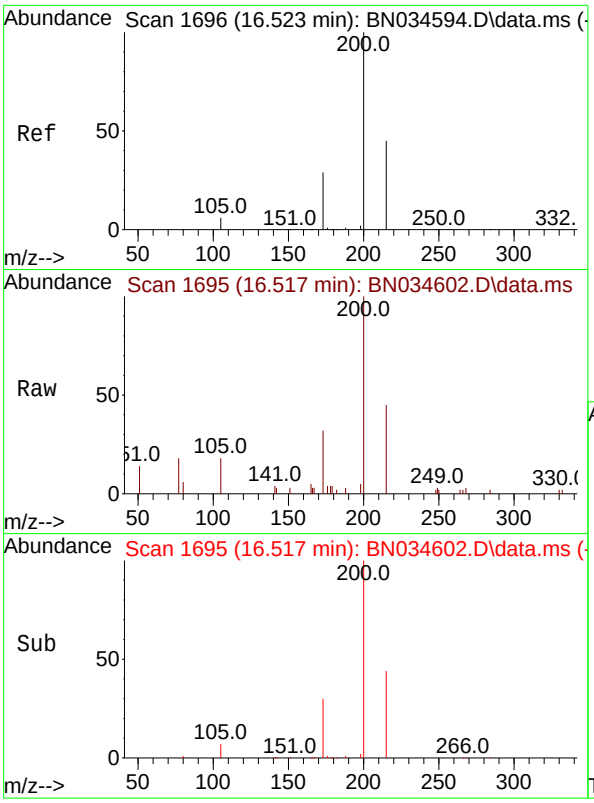


#22
Hexachlorobenzene
Concen: 0.431 ng
RT: 16.356 min Scan# 1682
Delta R.T. 0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:284 Resp: 5039

Ion	Ratio	Lower	Upper
284	100		
142	38.1	29.1	43.7
249	30.6	24.6	36.8



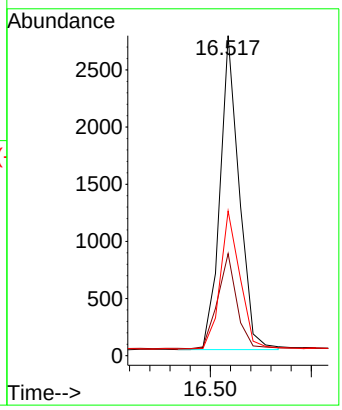


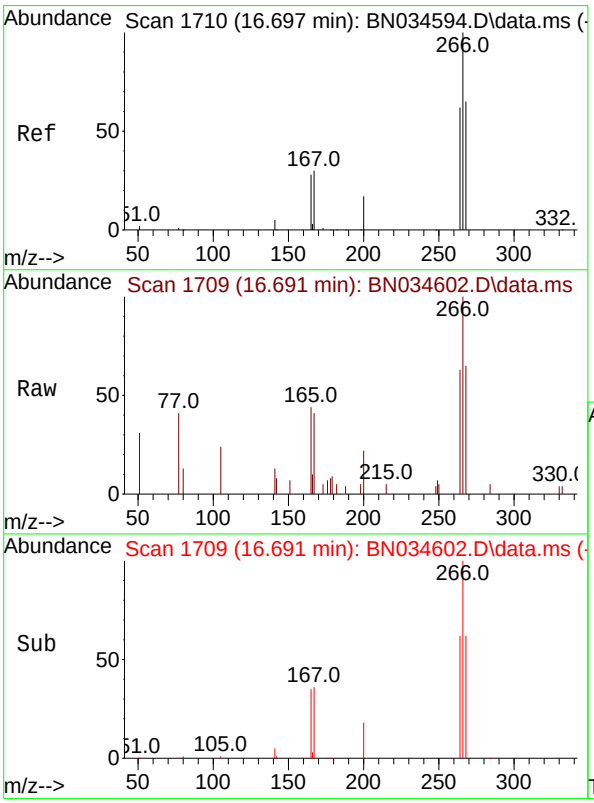
#23
Atrazine
Concen: 0.381 ng
RT: 16.517 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 3640

Ion	Ratio	Lower	Upper
200	100		
173	31.9	26.0	39.0
215	45.2	37.9	56.9

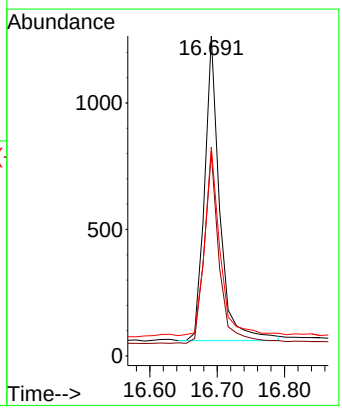


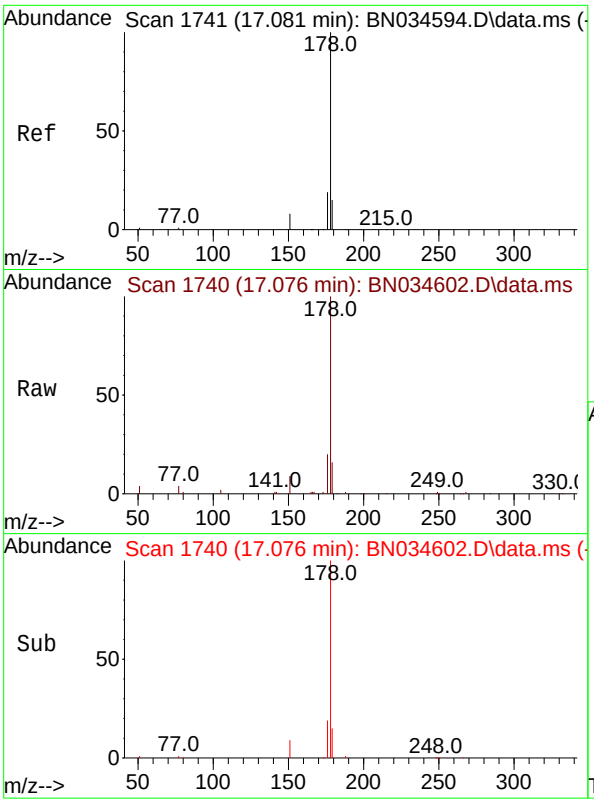


#24
Pentachlorophenol
Concen: 0.365 ng
RT: 16.691 min Scan# 1709
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:266 Resp: 1880

Ion	Ratio	Lower	Upper
266	100		
264	61.7	49.9	74.9
268	62.1	49.7	74.5



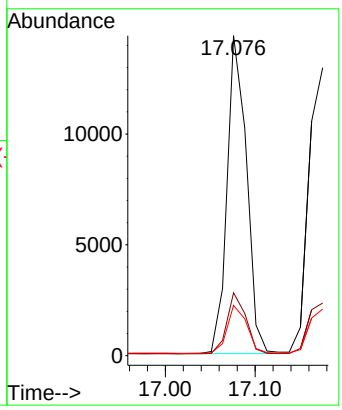


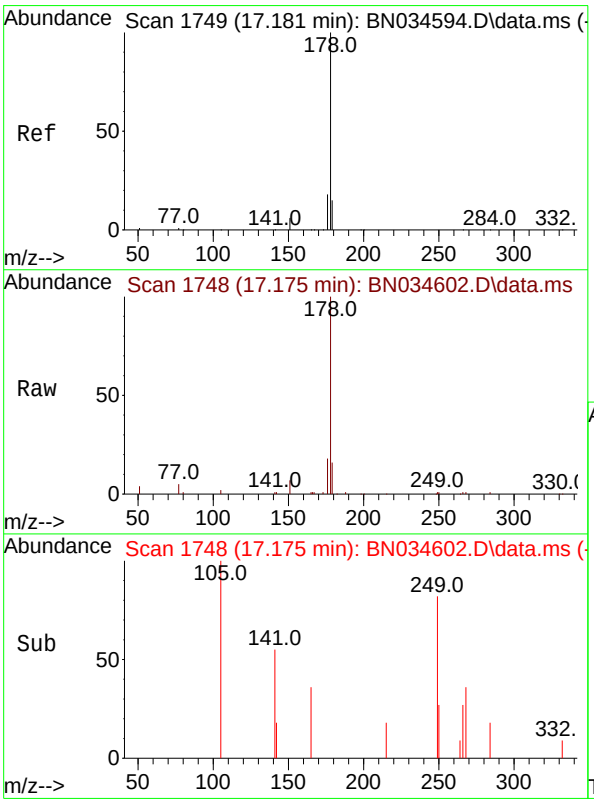
#25
Phenanthrene
Concen: 0.423 ng
RT: 17.076 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 21601

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.2	12.2	18.2

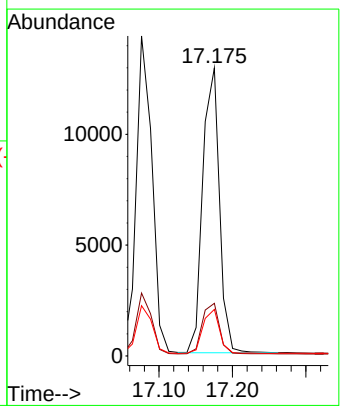


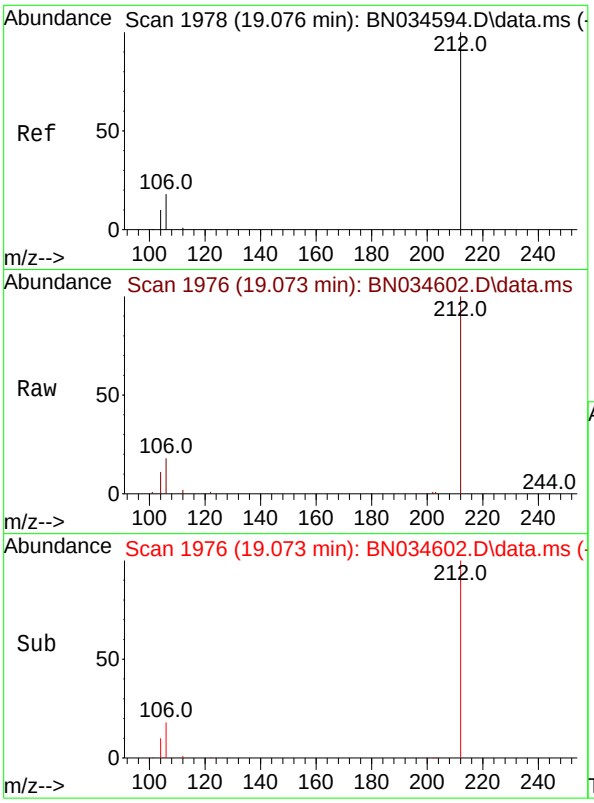


#26
Anthracene
Concen: 0.404 ng
RT: 17.175 min Scan# 1748
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:178 Resp: 20313

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.4	11.8	17.6



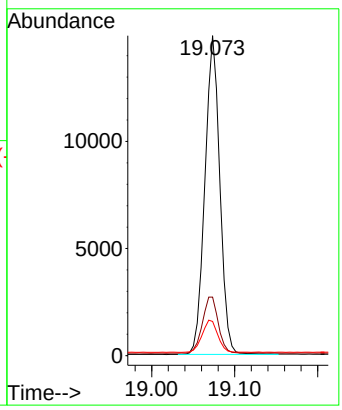


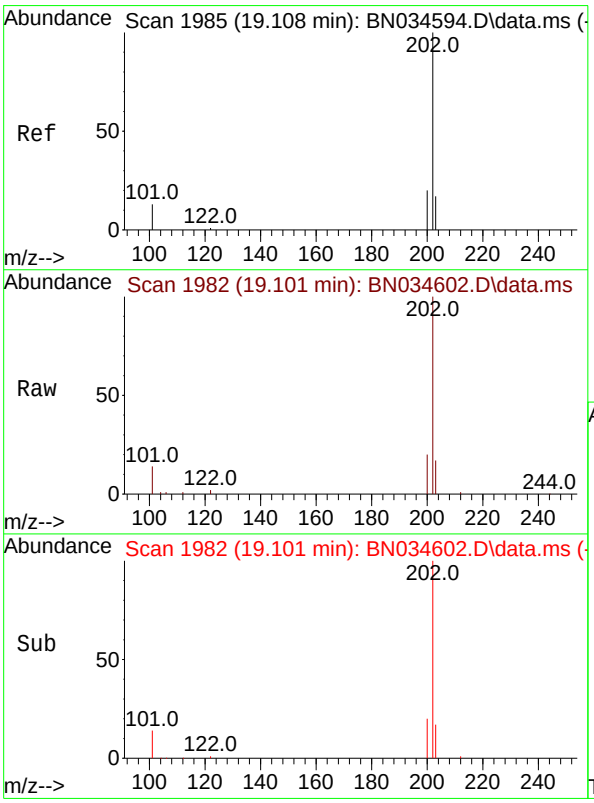
#27
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.073 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 18660

Ion	Ratio	Lower	Upper
212	100		
106	18.7	14.7	22.1
104	10.6	8.3	12.5

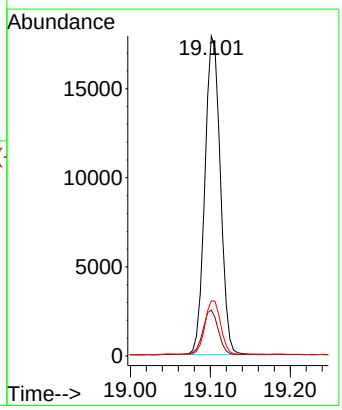


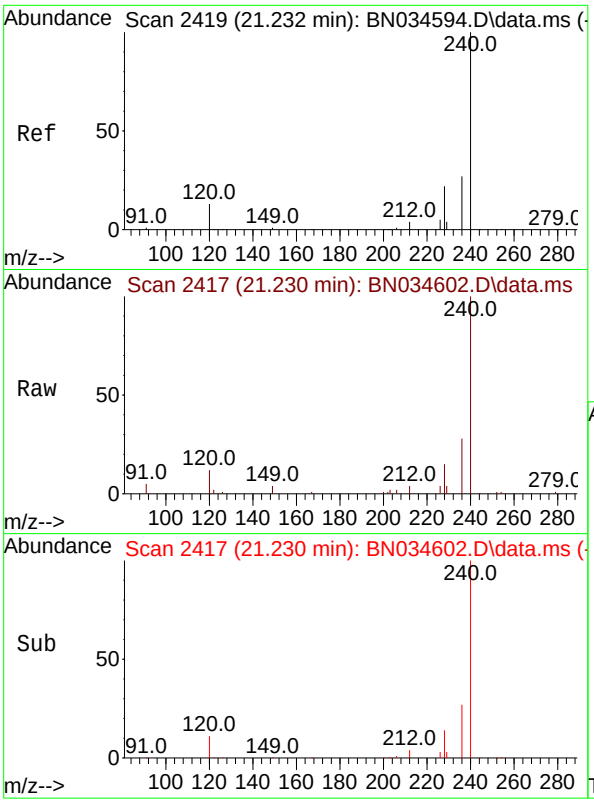


#28
Fluoranthene
Concen: 0.406 ng
RT: 19.101 min Scan# 1982
Delta R.T. -0.007 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:202 Resp: 24035

Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.2	16.8
203	17.2	13.7	20.5



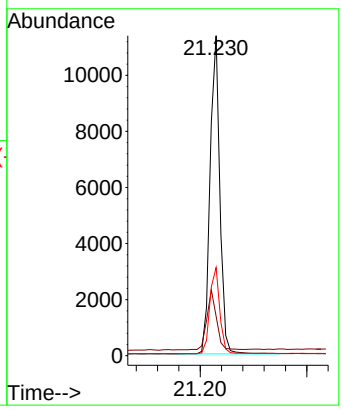


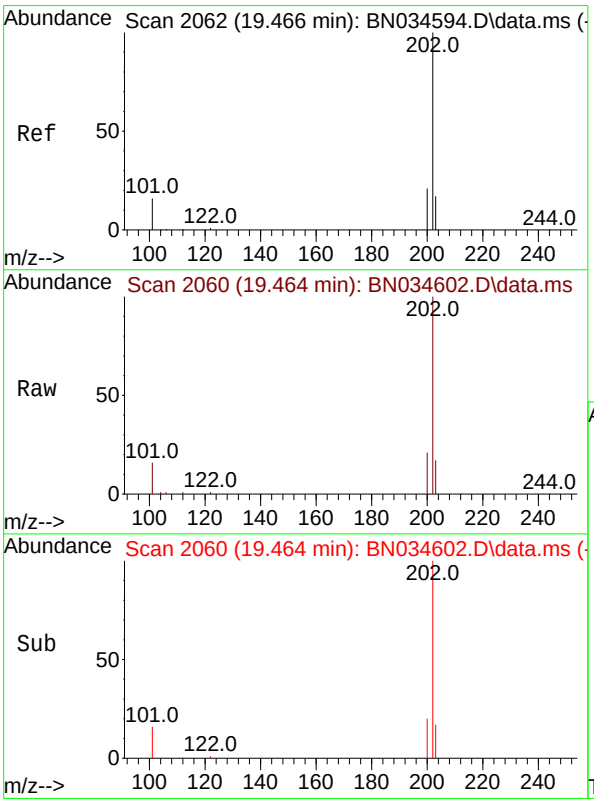
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.230 min Scan# 24
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 14321

Ion	Ratio	Lower	Upper
240	100		
120	12.3	12.7	19.1#
236	27.5	21.9	32.9

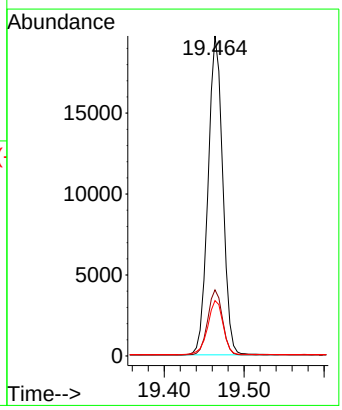


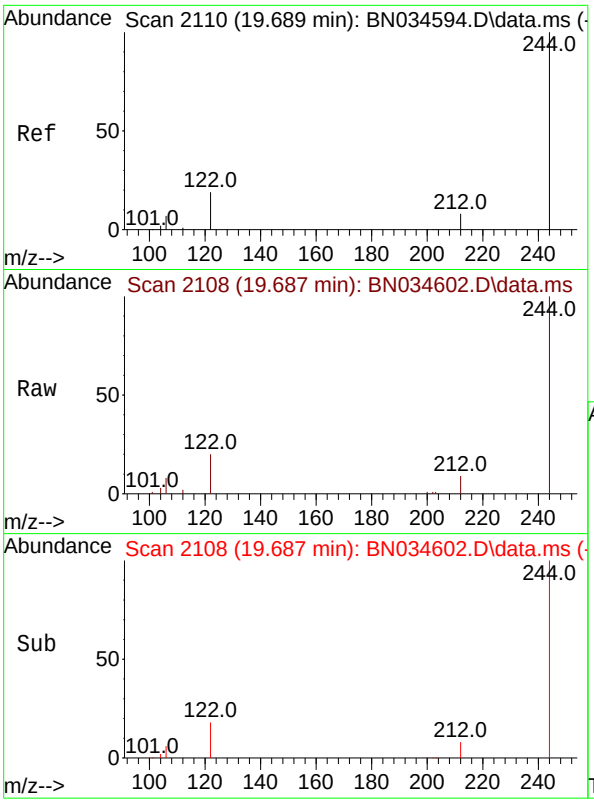


#30
Pyrene
Concen: 0.433 ng
RT: 19.464 min Scan# 2060
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:202 Resp: 25077

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.7	14.2	21.4



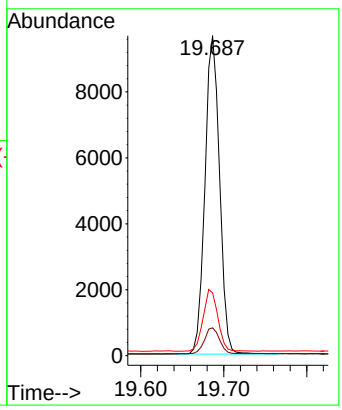


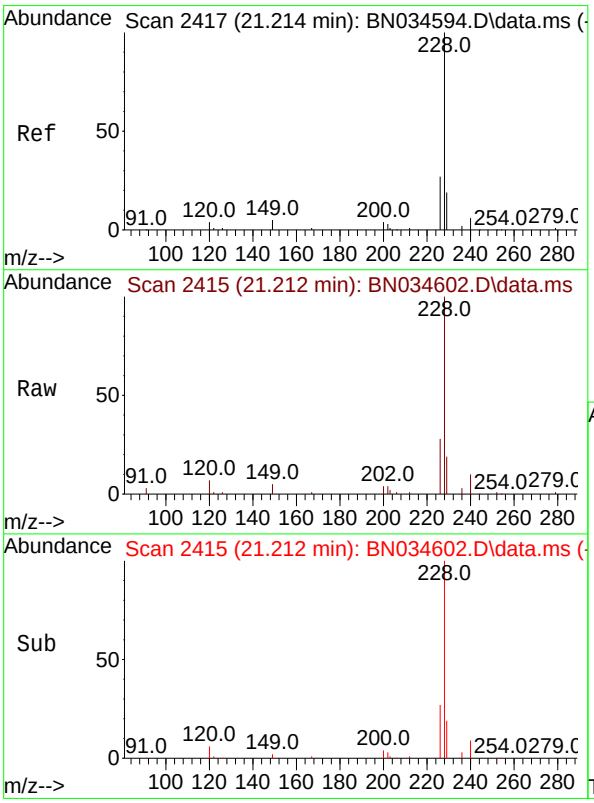
#31
Terphenyl-d14
Concen: 0.406 ng
RT: 19.687 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 11821

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.1	10.7
122	19.6	17.2	25.8

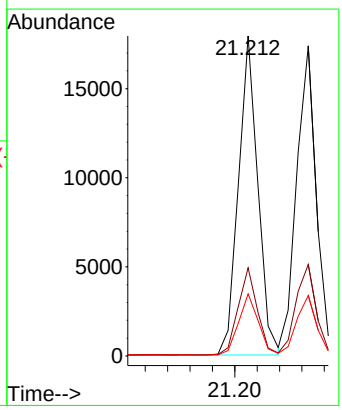


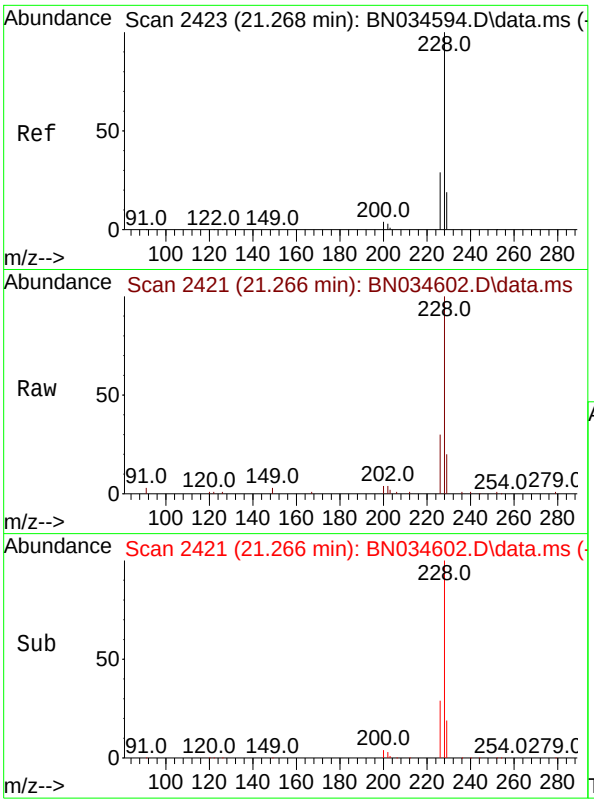


#32
Benzo(a)anthracene
Concen: 0.410 ng
RT: 21.212 min Scan# 2415
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:228 Resp: 21592

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.4	33.6
229	19.4	15.8	23.8



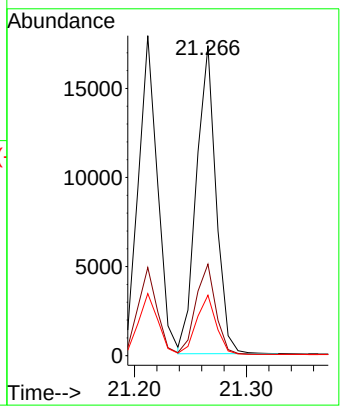


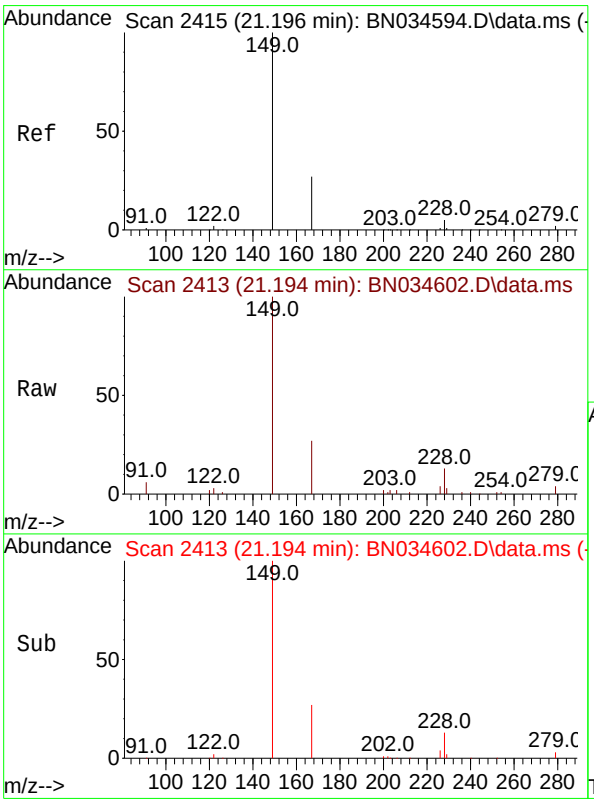
#33
Chrysene
Concen: 0.419 ng
RT: 21.266 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 21076

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.8
229	19.5	15.4	23.2

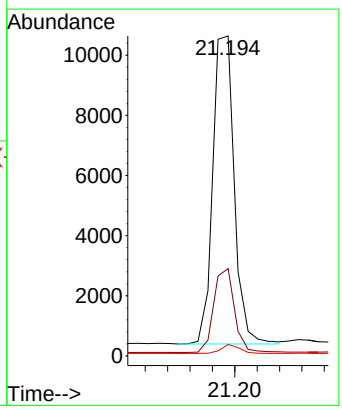


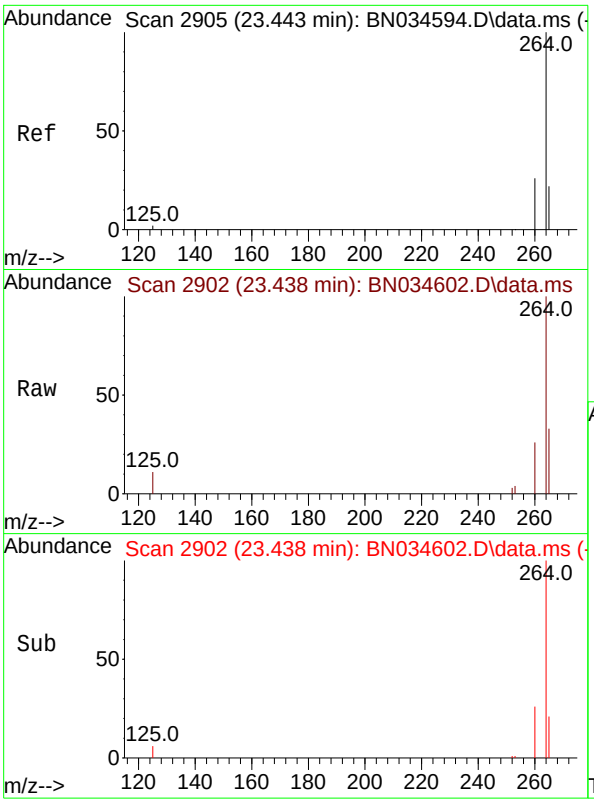


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.372 ng
RT: 21.194 min Scan# 2413
Delta R.T. -0.002 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:149 Resp: 13636

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.7	32.5
279	2.6	2.3	3.5



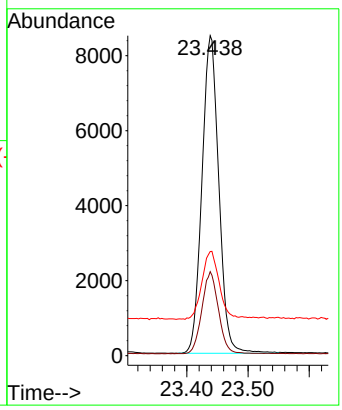


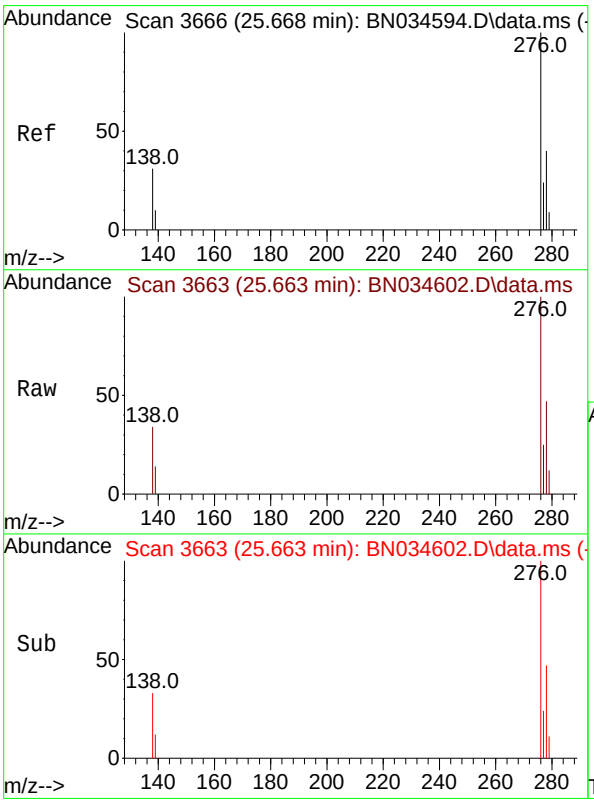
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.438 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 16198

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.9	31.3
265	32.6	26.6	40.0

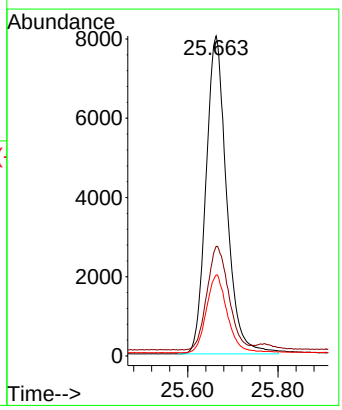


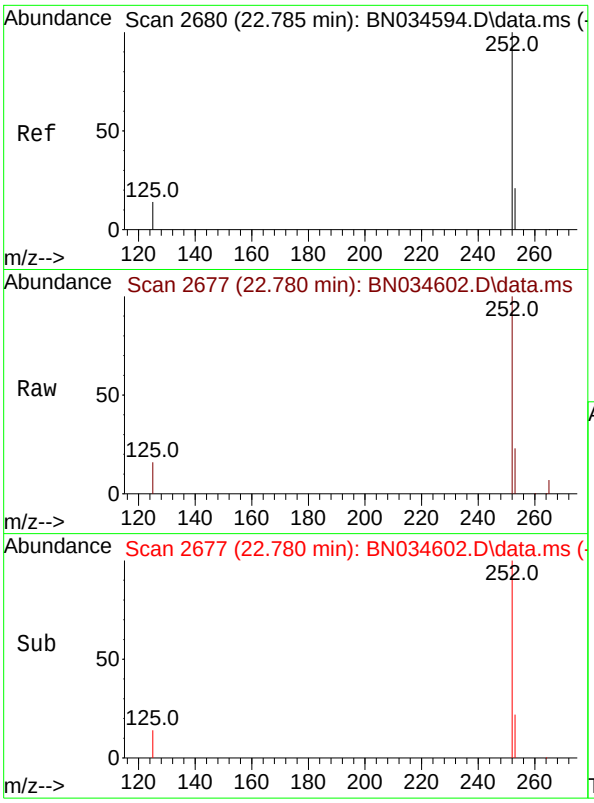


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.406 ng
RT: 25.663 min Scan# 3663
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:276 Resp: 25464

Ion	Ratio	Lower	Upper
276	100		
138	34.3	27.2	40.8
277	24.7	20.1	30.1



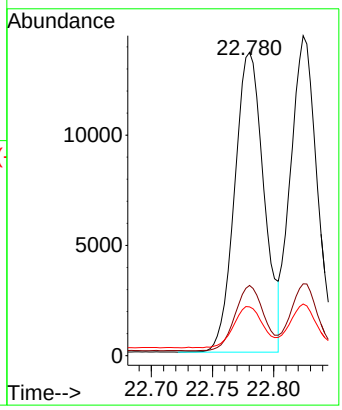


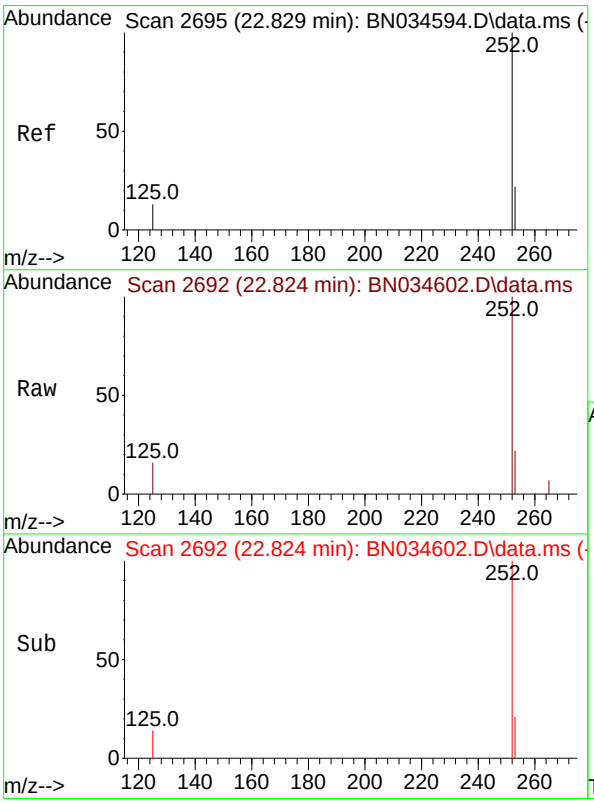
#37
Benzo(b)fluoranthene
Concen: 0.410 ng
RT: 22.780 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 22617

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.8	28.2
125	16.1	15.2	22.8

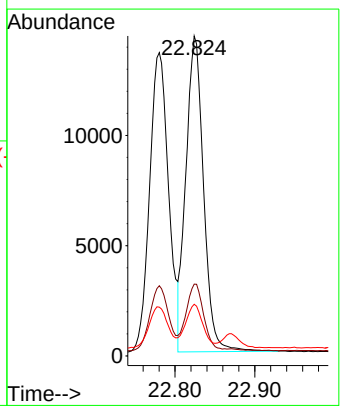


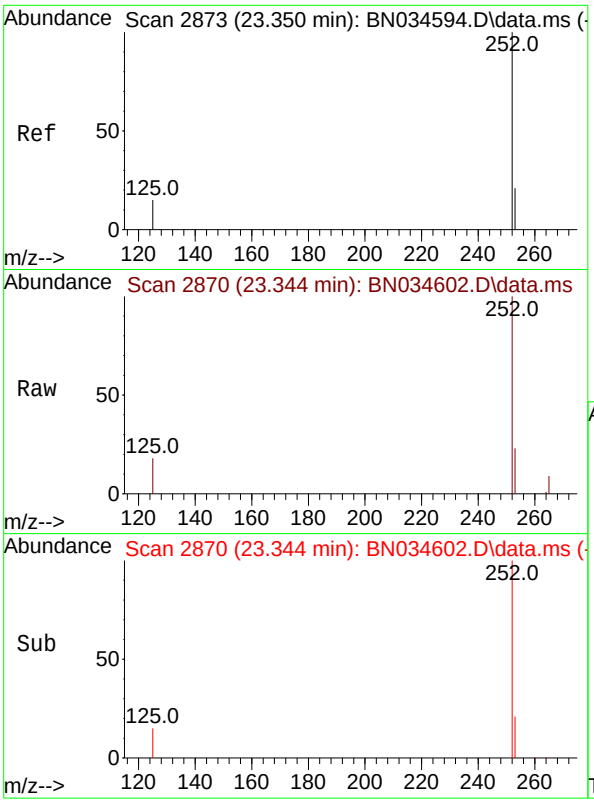


#38
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 22.824 min Scan# 2692
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:252 Resp: 22046

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.1	28.7
125	16.2	15.4	23.0



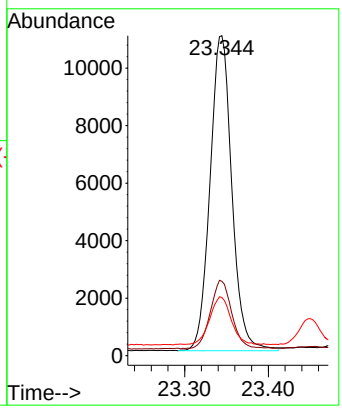


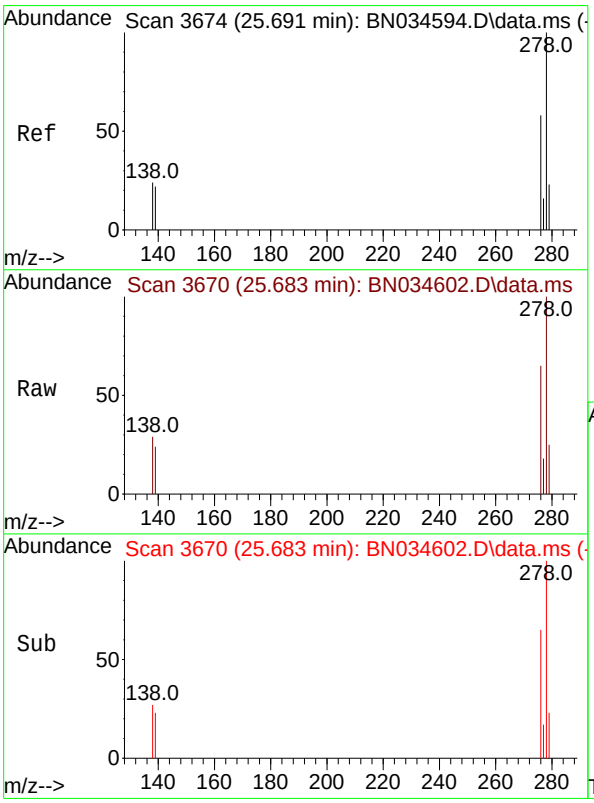
#39
Benzo(a)pyrene
Concen: 0.404 ng
RT: 23.344 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 19851

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.4	29.0
125	18.2	17.6	26.4

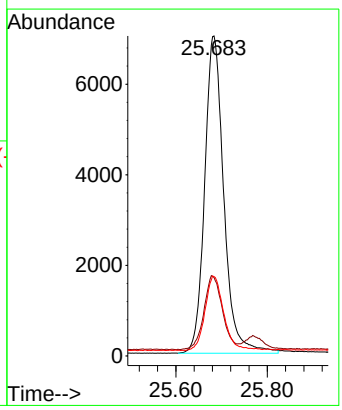


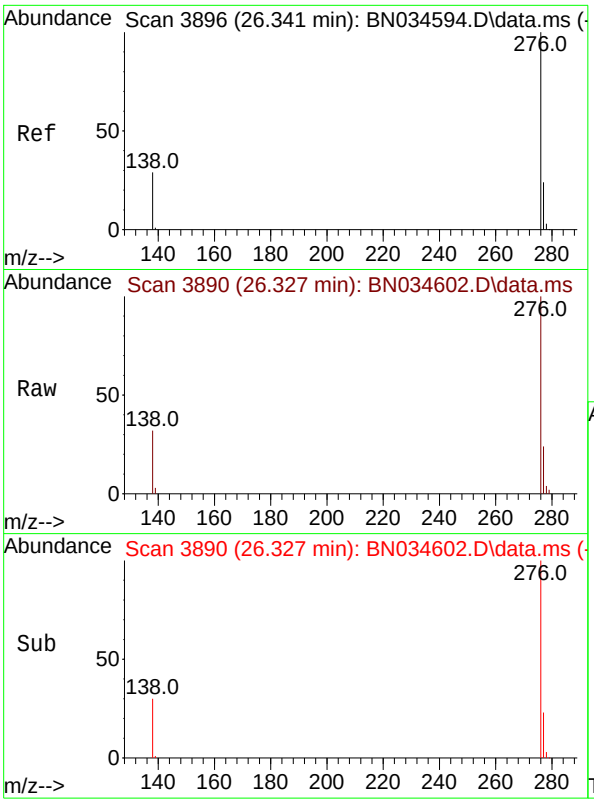


#40
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 25.683 min Scan# 3670
Delta R.T. -0.008 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Tgt Ion:278 Resp: 20361

Ion	Ratio	Lower	Upper
278	100		
139	24.5	21.4	32.0
279	24.8	20.2	30.4





#41
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 26.327 min Scan# 3
Delta R.T. -0.014 min
Lab File: BN034602.D
Acq: 16 Oct 2024 09:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 22051

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.9	29.9
138	32.2	28.3	42.5