Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031672.D
Acq On : 28 May 2024 12:53
Operator : MA/JU
Sample : PB161112BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Quant Time: May 28 13:18:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration

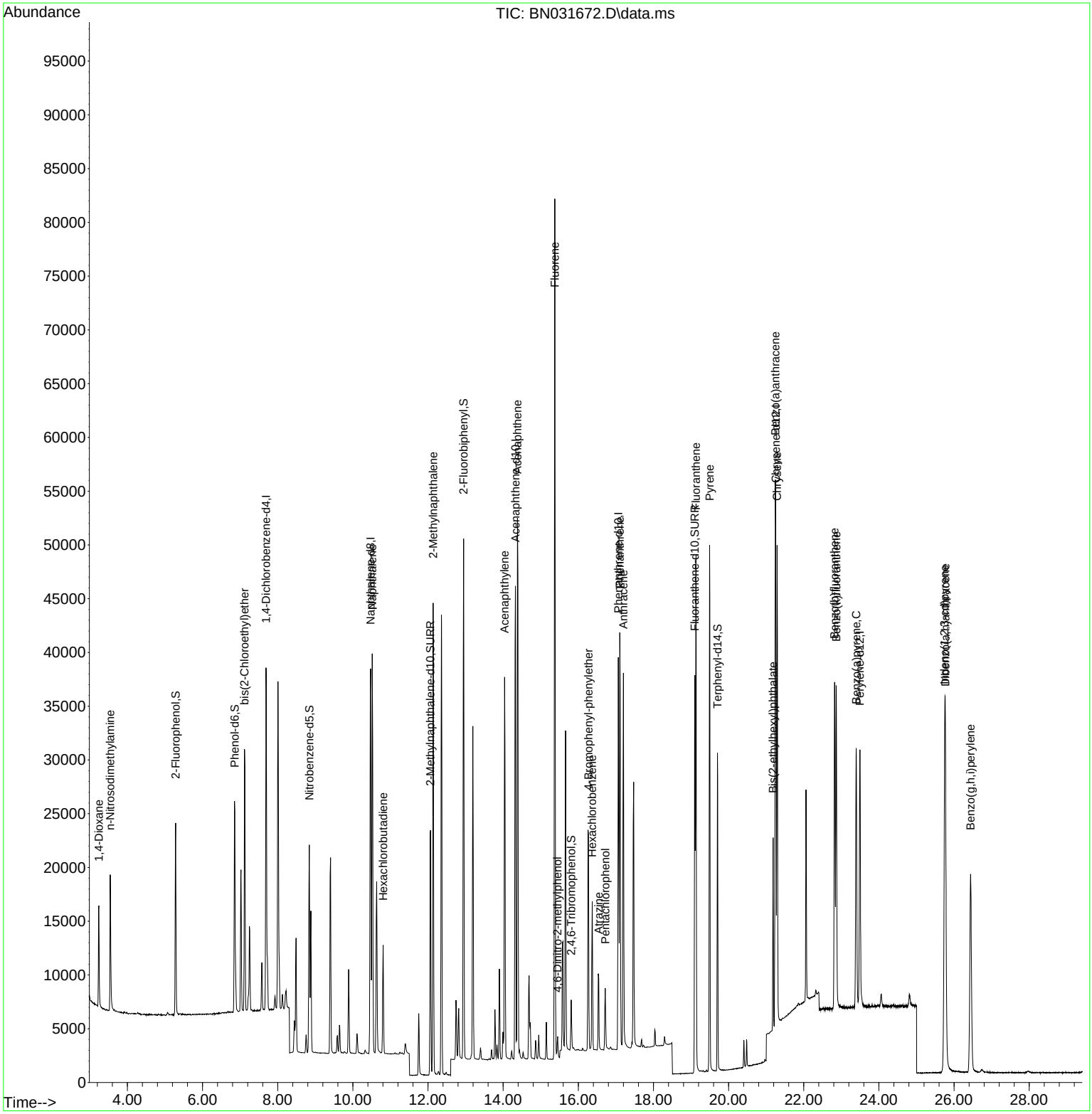
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.689	152	15693	0.400	ng		-0.03
7) Naphthalene-d8	10.474	136	50887	0.400	ng		#-0.02
13) Acenaphthene-d10	14.328	164	26417	0.400	ng		-0.02
19) Phenanthrene-d10	17.066	188	46860	0.400	ng		-0.03
29) Chrysene-d12	21.256	240	30502	0.400	ng		#-0.02
35) Perylene-d12	23.496	264	32688	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.284	112	14585	0.327	ng		-0.01
5) Phenol-d6	6.859	99	19164	0.319	ng		-0.01
8) Nitrobenzene-d5	8.841	82	15776	0.432	ng		-0.02
11) 2-Methylnaphthalene-d10	12.066	152	30885	0.377	ng		-0.03
14) 2,4,6-Tribromophenol	15.812	330	2483	0.248	ng		-0.03
15) 2-Fluorobiphenyl	12.948	172	42876	0.421	ng		-0.03
27) Fluoranthene-d10	19.100	212	41591	0.320	ng		-0.02
31) Terphenyl-d14	19.704	244	28327	0.380	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	6910	0.358	ng	#	84
3) n-Nitrosodimethylamine	3.544	42	6417	0.337	ng		98
6) bis(2-Chloroethyl)ether	7.119	93	17714	0.339	ng		98
9) Naphthalene	10.517	128	48328	0.342	ng		96
10) Hexachlorobutadiene	10.805	225	7732	0.312	ng	#	99
12) 2-Methylnaphthalene	12.138	142	30502	0.316	ng		98
16) Acenaphthylene	14.039	152	40521	0.305	ng		99
17) Acenaphthene	14.381	154	27223	0.328	ng		97
18) Fluorene	15.375	166	32247	0.297	ng		100
20) 4,6-Dinitro-2-methylph...	15.450	198	1344	0.351	ng	#	48
21) 4-Bromophenyl-phenylether	16.271	248	9342	0.340	ng		93
22) Hexachlorobenzene	16.371	284	10153	0.367	ng		97
23) Atrazine	16.544	200	6350	0.255	ng		98
24) Pentachlorophenol	16.718	266	2864	0.293	ng		97
25) Phenanthrene	17.103	178	44703	0.341	ng		100
26) Anthracene	17.202	178	37581	0.290	ng		100
28) Fluoranthene	19.133	202	43677	0.274	ng		99
30) Pyrene	19.495	202	43806	0.355	ng		100
32) Benzo(a)anthracene	21.247	228	36522	0.310	ng		99
33) Chrysene	21.291	228	37070	0.331	ng		99
34) Bis(2-ethylhexyl)phtha...	21.184	149	15328	0.222	ng		98
36) Indeno(1,2,3-cd)pyrene	25.750	276	45272	0.348	ng		98
37) Benzo(b)fluoranthene	22.820	252	39609	0.338	ng	#	95
38) Benzo(k)fluoranthene	22.864	252	38986	0.351	ng		96
39) Benzo(a)pyrene	23.396	252	34257	0.336	ng	#	91
40) Dibenzo(a,h)anthracene	25.770	278	35480	0.344	ng		98
41) Benzo(g,h,i)perylene	26.440	276	38451	0.346	ng		98

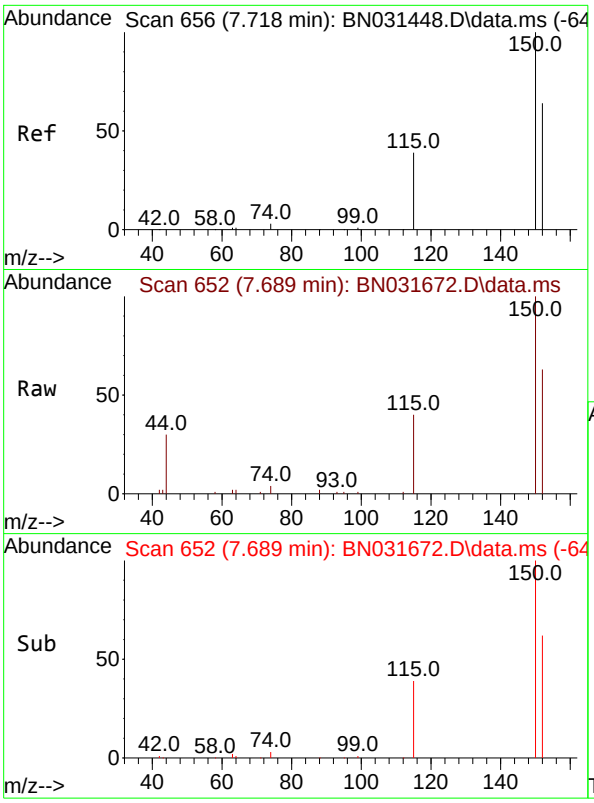
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052824\
Data File : BN031672.D
Acq On : 28 May 2024 12:53
Operator : MA/JU
Sample : PB161112BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Quant Time: May 28 13:18:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration



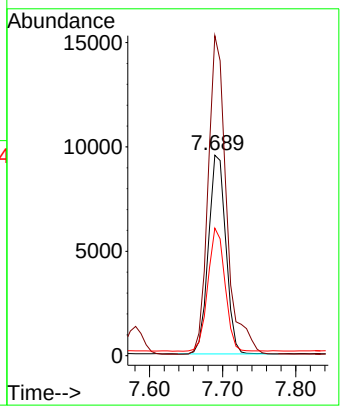


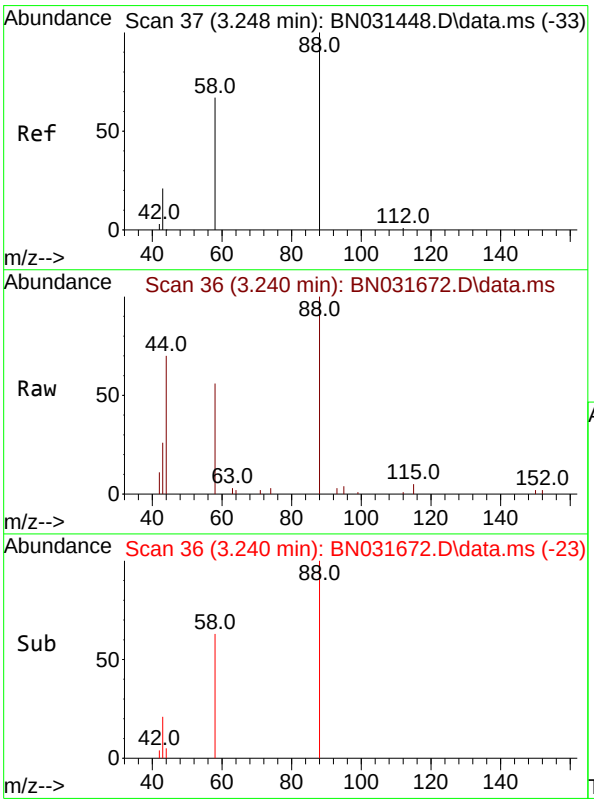
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:152 Resp: 15693

Ion	Ratio	Lower	Upper
152	100		
150	159.6	119.3	178.9
115	63.6	54.8	82.2

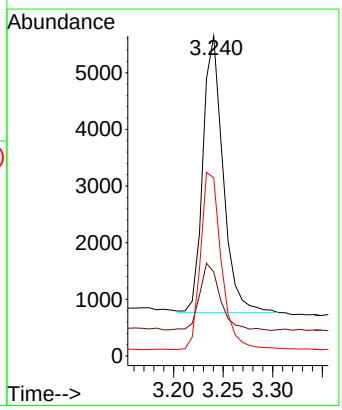


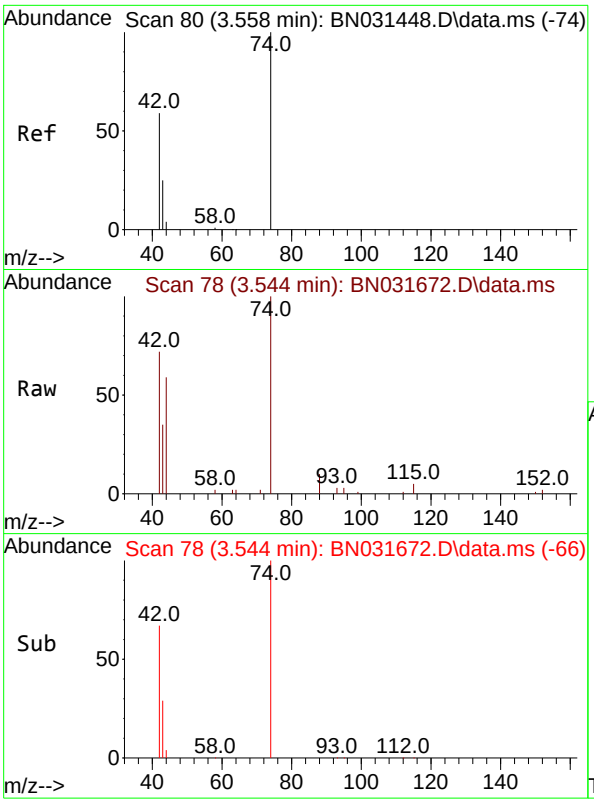


#2
1,4-Dioxane
Concen: 0.358 ng
RT: 3.240 min Scan# 36
Delta R.T. -0.007 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion: 88 Resp: 6910

Ion	Ratio	Lower	Upper
88	100		
43	24.8	39.0	58.6#
58	66.7	54.9	82.3



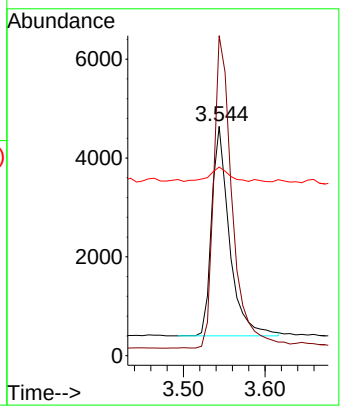


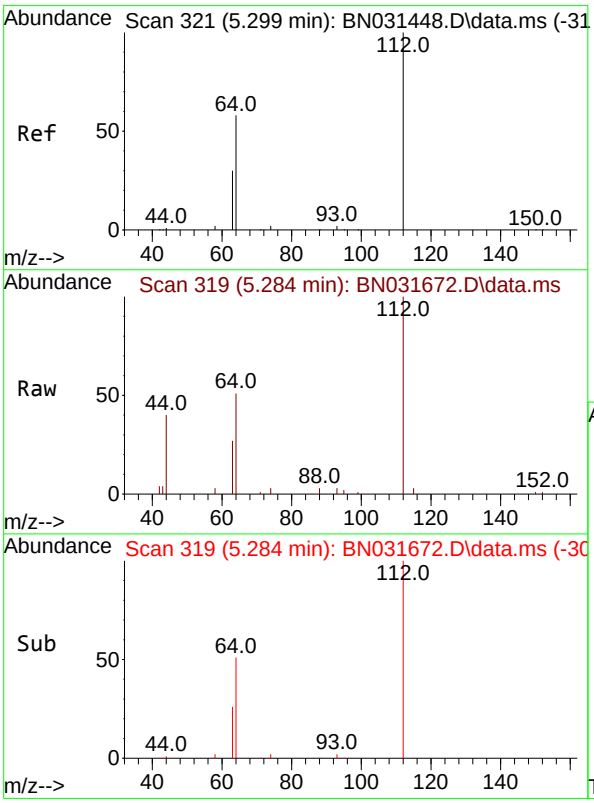
#3
n-Nitrosodimethylamine
Concen: 0.337 ng
RT: 3.544 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion: 42 Resp: 6417

Ion	Ratio	Lower	Upper
42	100		
74	155.2	126.4	189.6
44	7.1	6.9	10.3

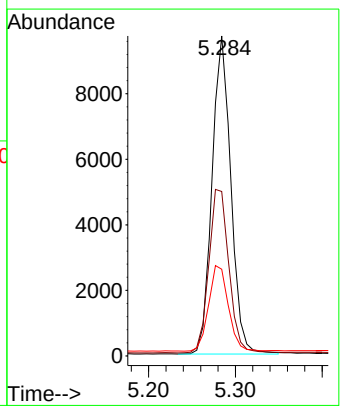


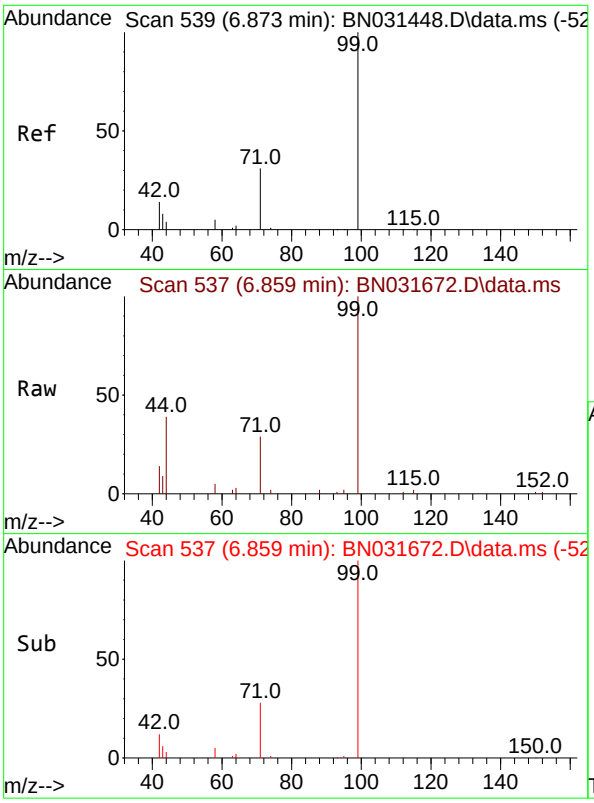


#4
2-Fluorophenol
Concen: 0.327 ng
RT: 5.284 min Scan# 319
Delta R.T. -0.015 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:112 Resp: 14585

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.0	66.0
63	28.2	22.2	33.4



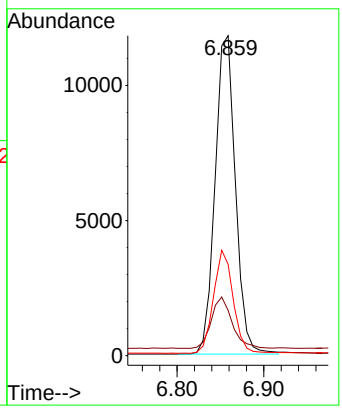


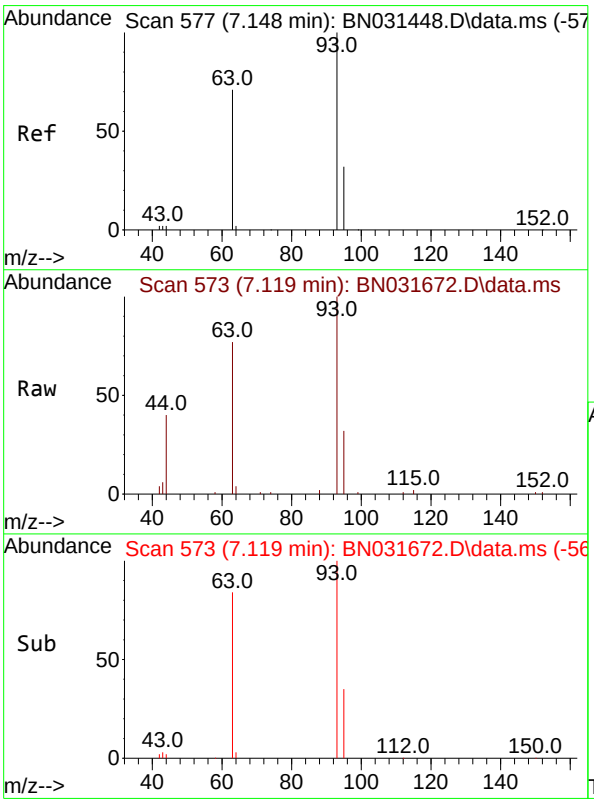
#5
Phenol-d6
Concen: 0.319 ng
RT: 6.859 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion: 99 Resp: 19164

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	31.2	26.1	39.1

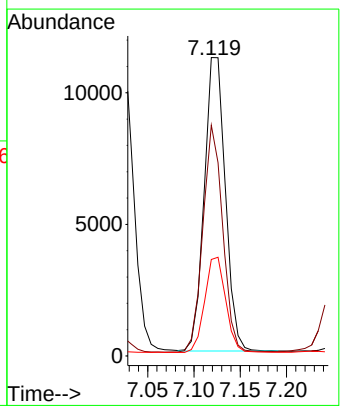


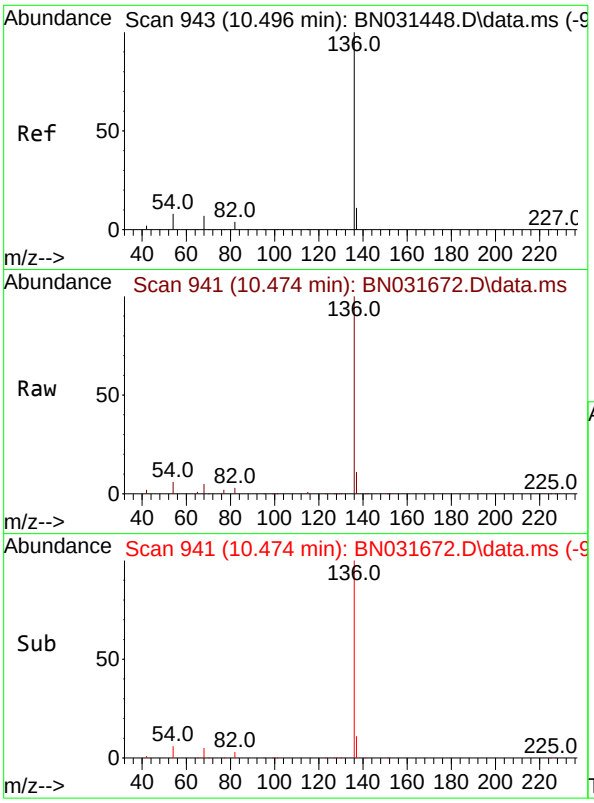


#6
bis(2-Chloroethyl)ether
Concen: 0.339 ng
RT: 7.119 min Scan# 573
Delta R.T. -0.029 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion: 93 Resp: 17714

Ion	Ratio	Lower	Upper
93	100		
63	72.5	56.6	85.0
95	32.2	27.3	40.9



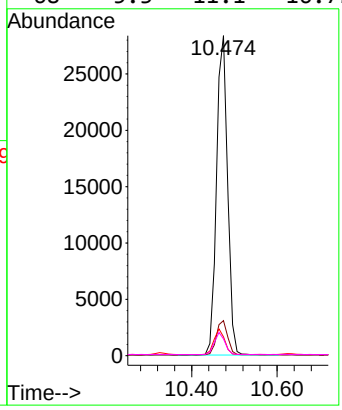


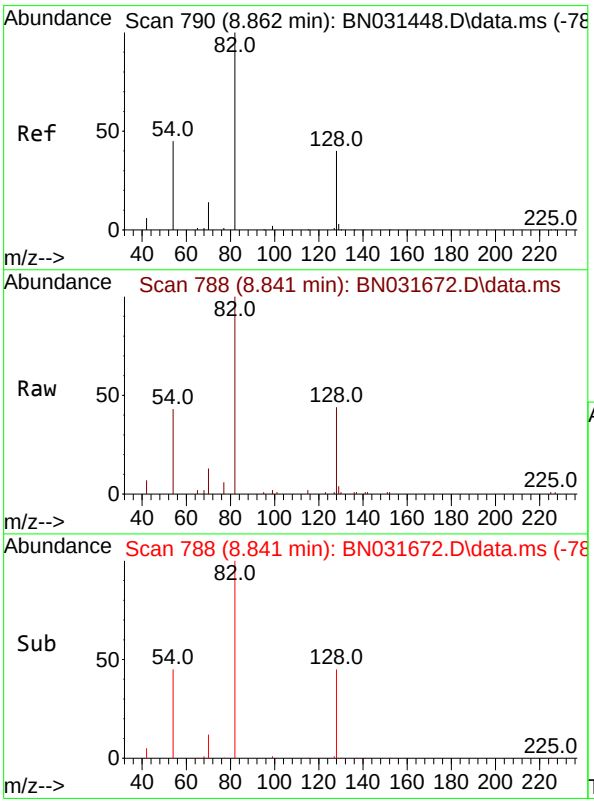
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.474 min Scan# 94
Delta R.T. -0.022 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:136 Resp: 50887

Ion	Ratio	Lower	Upper
136	100		
137	11.0	10.1	15.1
54	5.9	10.5	15.7#
68	5.3	11.1	16.7#

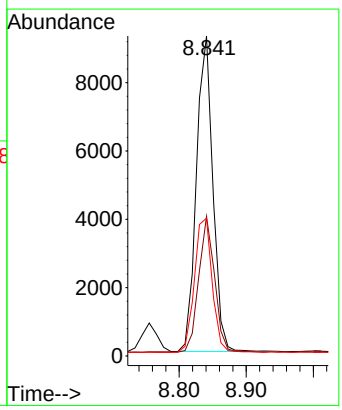


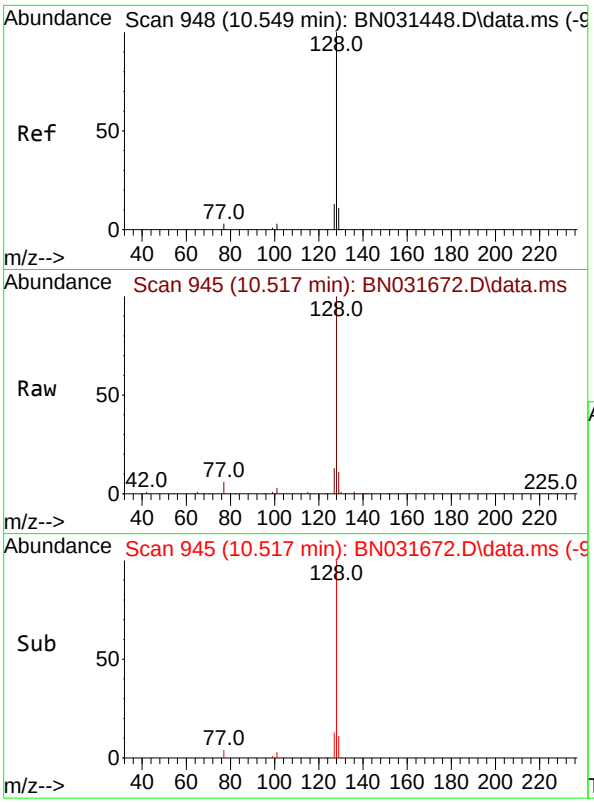


#8
Nitrobenzene-d5
Concen: 0.432 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.022 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion: 82 Resp: 15776

Ion	Ratio	Lower	Upper
82	100		
128	43.6	29.0	43.6#
54	43.0	37.2	55.8



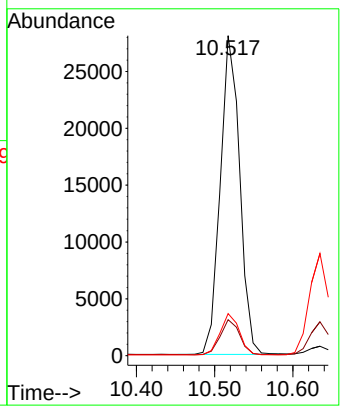


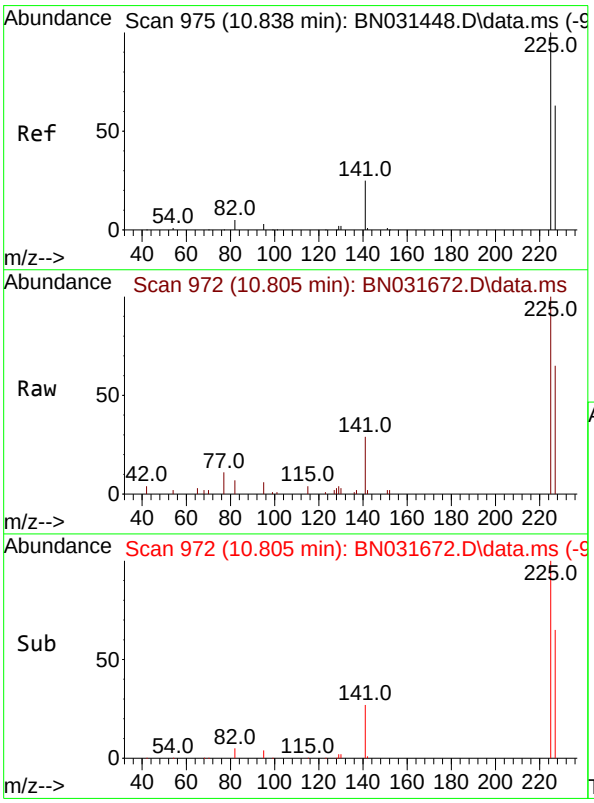
#9
Naphthalene
Concen: 0.342 ng
RT: 10.517 min Scan# 94
Delta R.T. -0.032 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:128 Resp: 48328

Ion	Ratio	Lower	Upper
128	100		
129	11.2	10.2	15.4
127	13.1	11.7	17.5

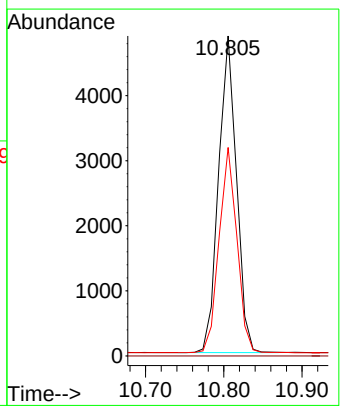


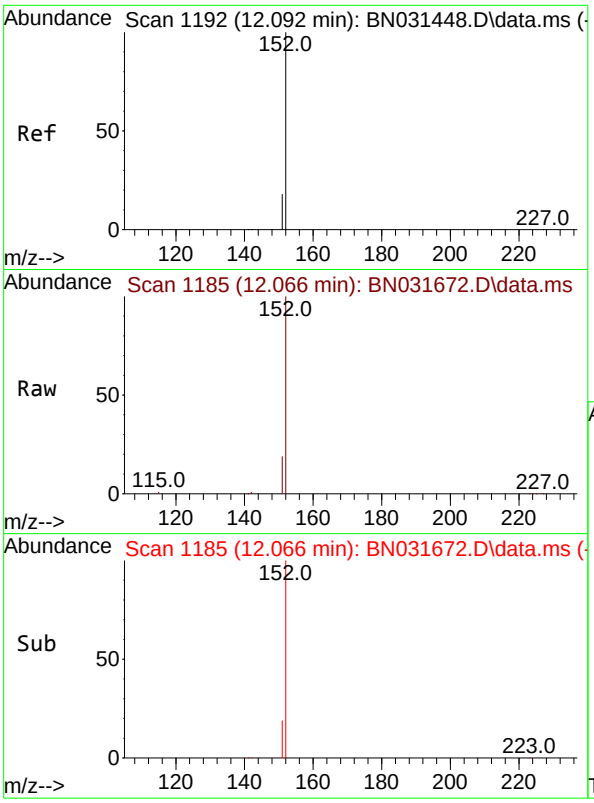


#10
Hexachlorobutadiene
Concen: 0.312 ng
RT: 10.805 min Scan# 972
Delta R.T. -0.032 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:225 Resp: 7732

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	50.7	76.1



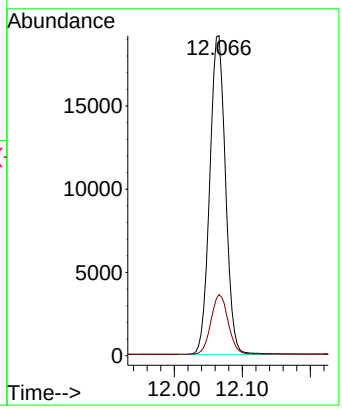


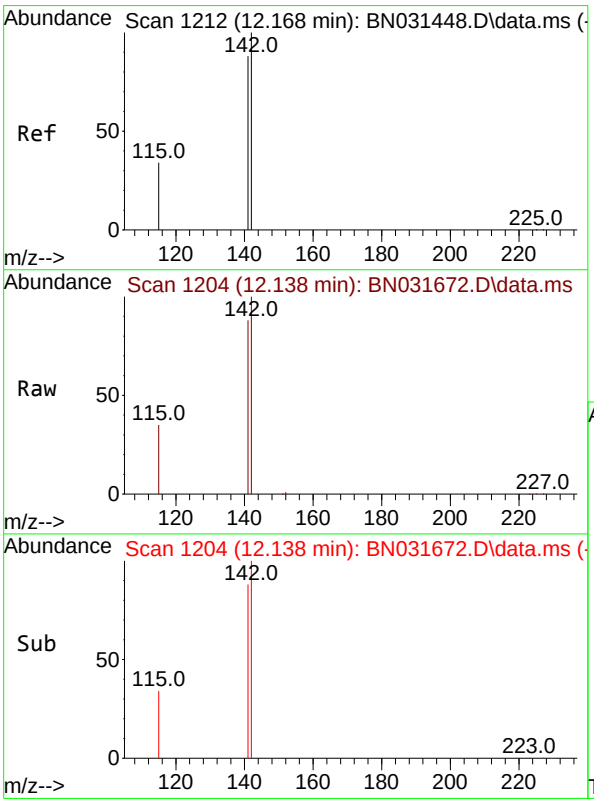
#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.066 min Scan# 11
Delta R.T. -0.027 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:152 Resp: 30885

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

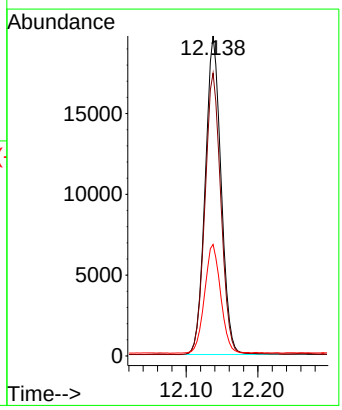


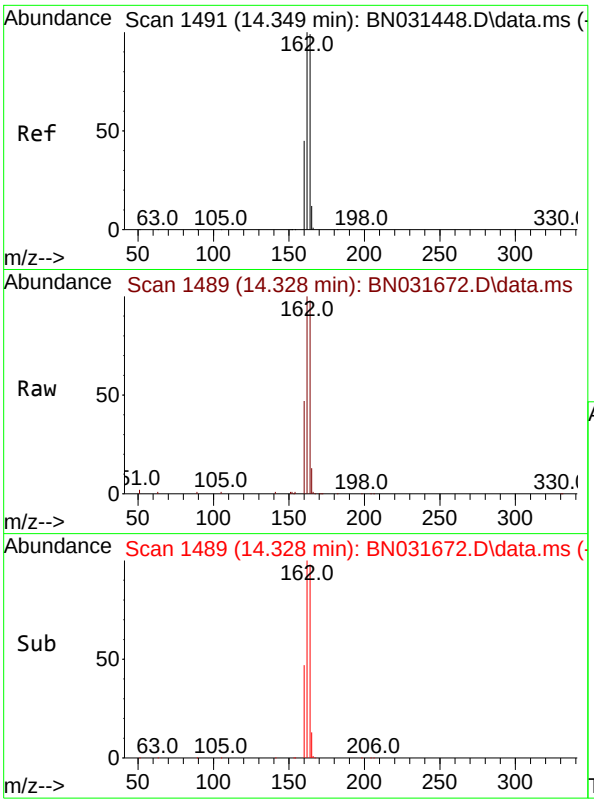


#12
2-Methylnaphthalene
Concen: 0.316 ng
RT: 12.138 min Scan# 1204
Delta R.T. -0.030 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:142 Resp: 30502

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	34.9	30.2	45.2



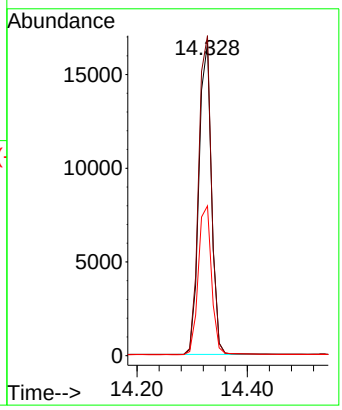


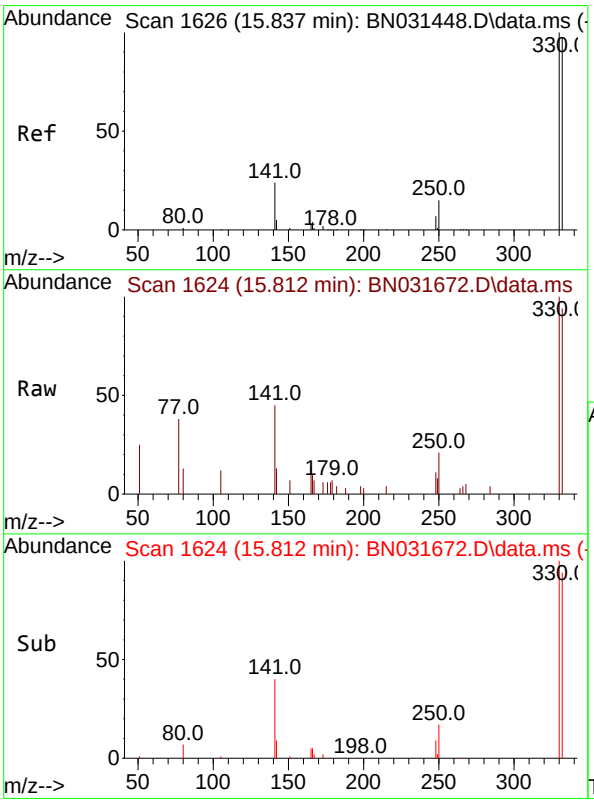
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.328 min Scan# 14
Delta R.T. -0.022 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:164 Resp: 26417

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.2	121.8
160	47.9	37.0	55.6

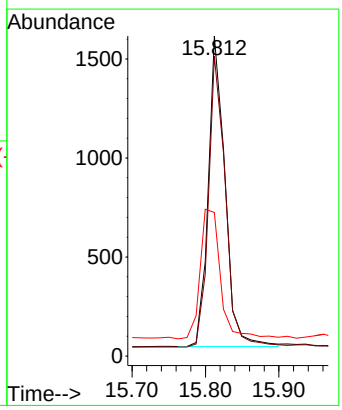


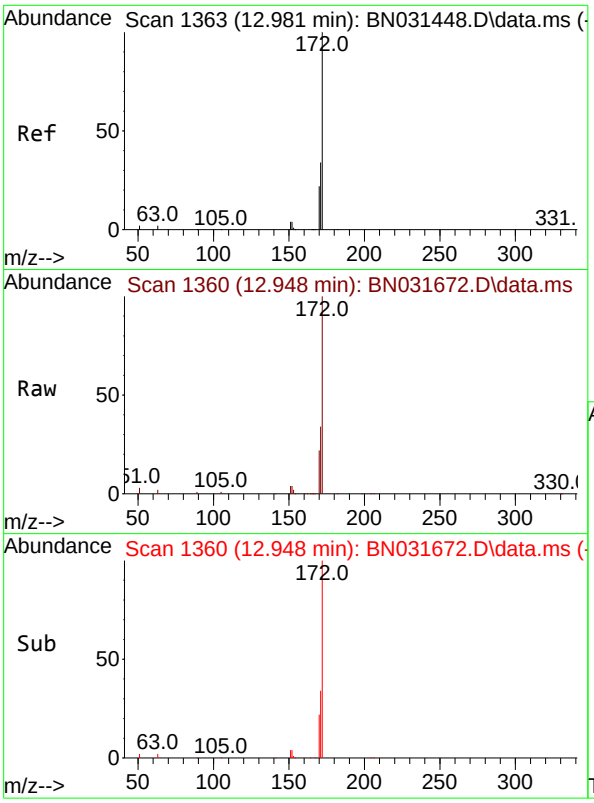


#14
2,4,6-Tribromophenol
Concen: 0.248 ng
RT: 15.812 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:330 Resp: 2483

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	114.8
141	50.5	37.0	55.4



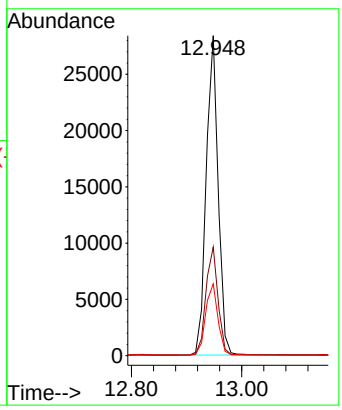


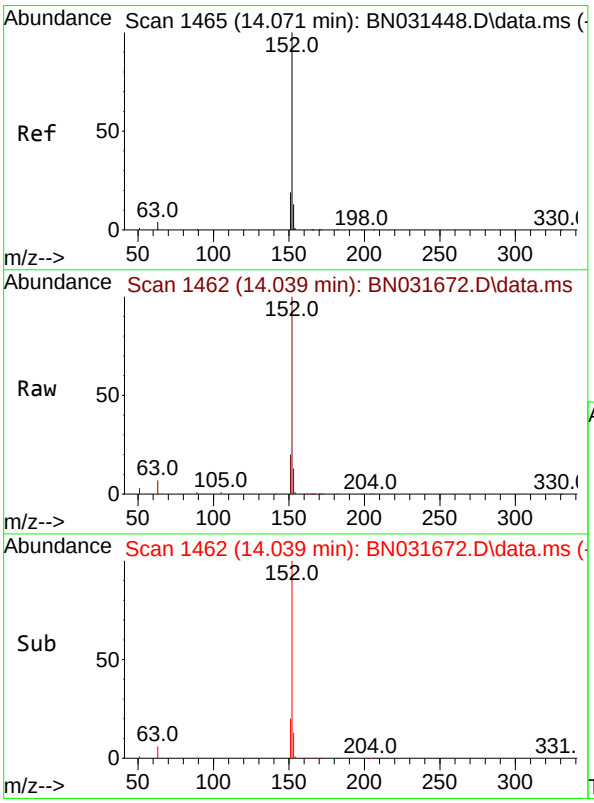
#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 12.948 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:172 Resp: 42876

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.8	41.8
170	22.5	18.3	27.5

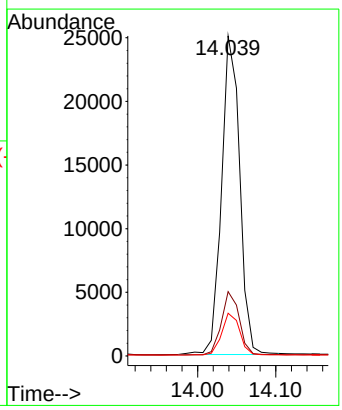


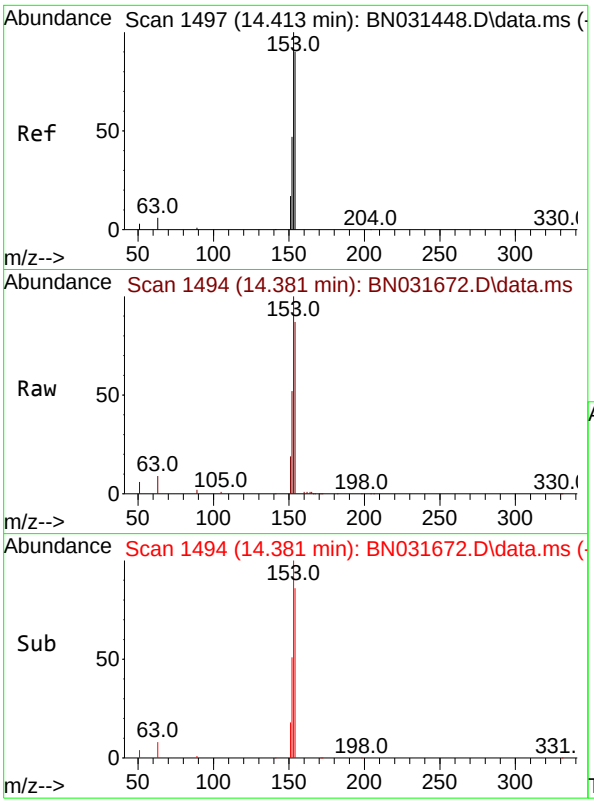


#16
Acenaphthylene
Concen: 0.305 ng
RT: 14.039 min Scan# 1462
Delta R.T. -0.032 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:152 Resp: 40521

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.5	15.7



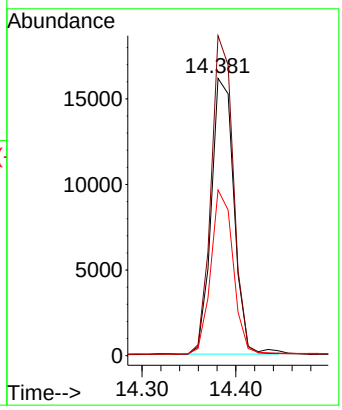


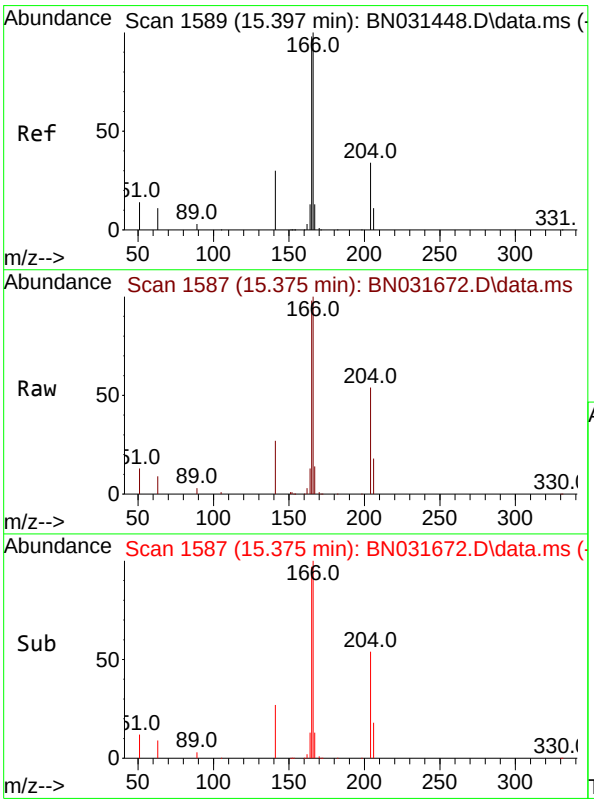
#17
Acenaphthene
Concen: 0.328 ng
RT: 14.381 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:154 Resp: 27223

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.1	133.7
152	57.7	42.6	64.0

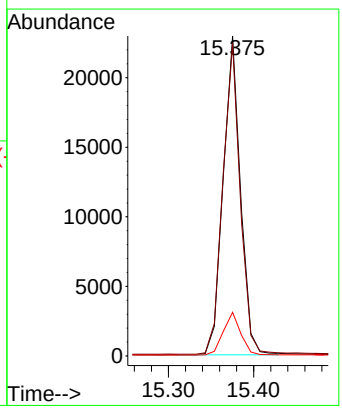


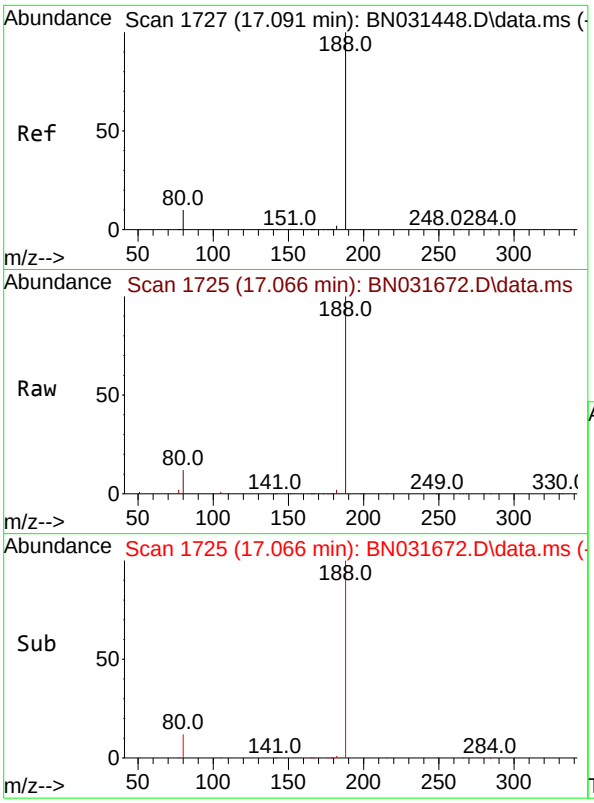


#18
Fluorene
Concen: 0.297 ng
RT: 15.375 min Scan# 1587
Delta R.T. -0.022 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:166 Resp: 32247

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.2
167	13.4	10.8	16.2



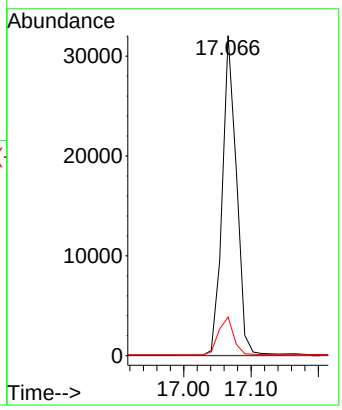


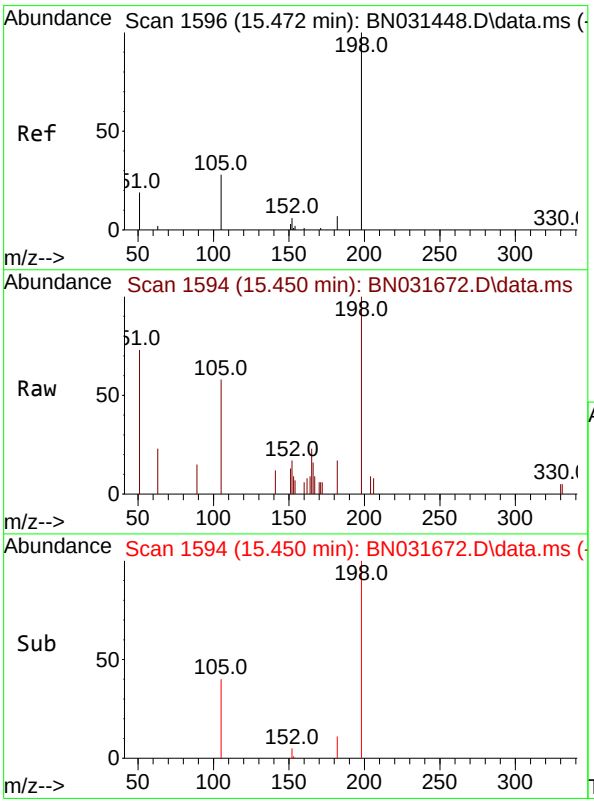
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.066 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:188 Resp: 46860

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	9.6	14.4

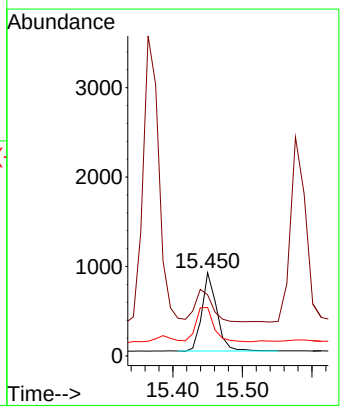


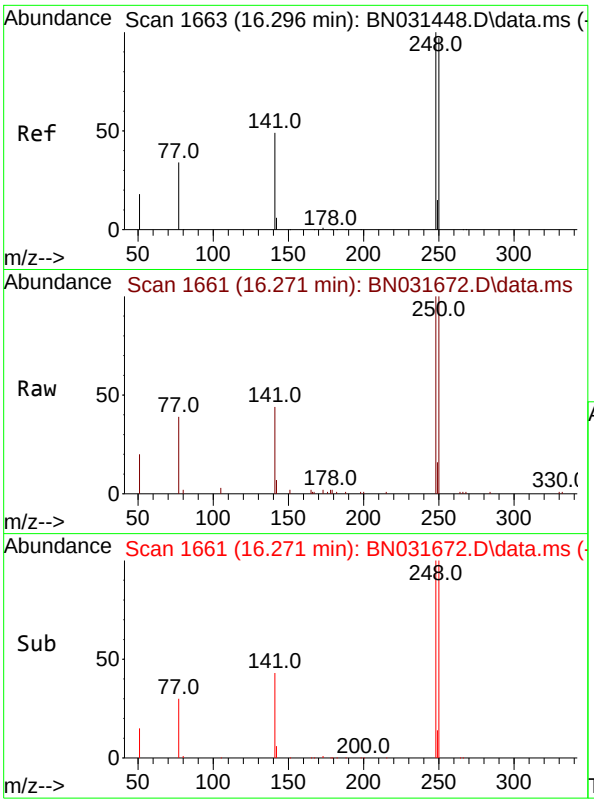


#20
4,6-Dinitro-2-methylphenol
Concen: 0.351 ng
RT: 15.450 min Scan# 1594
Delta R.T. -0.022 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:198 Resp: 1344

Ion	Ratio	Lower	Upper
198	100		
51	73.4	78.3	117.5#
105	58.2	117.2	175.8#



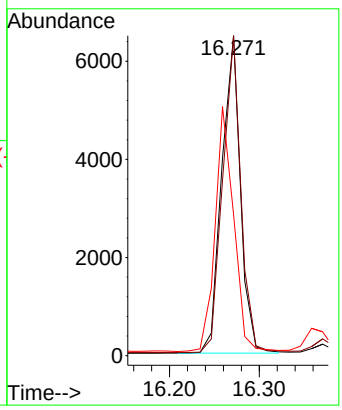


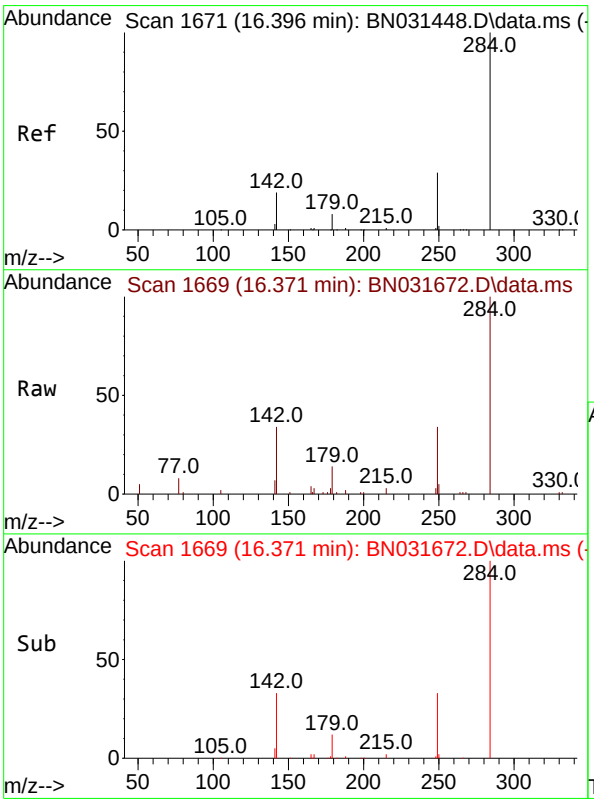
#21
4-Bromophenyl-phenylether
Concen: 0.340 ng
RT: 16.271 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:248 Resp: 9342

Ion	Ratio	Lower	Upper
248	100		
250	100.0	77.9	116.9
141	44.2	43.4	65.2

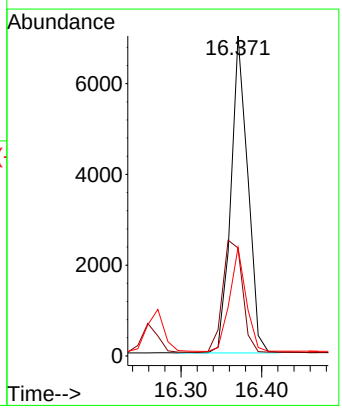


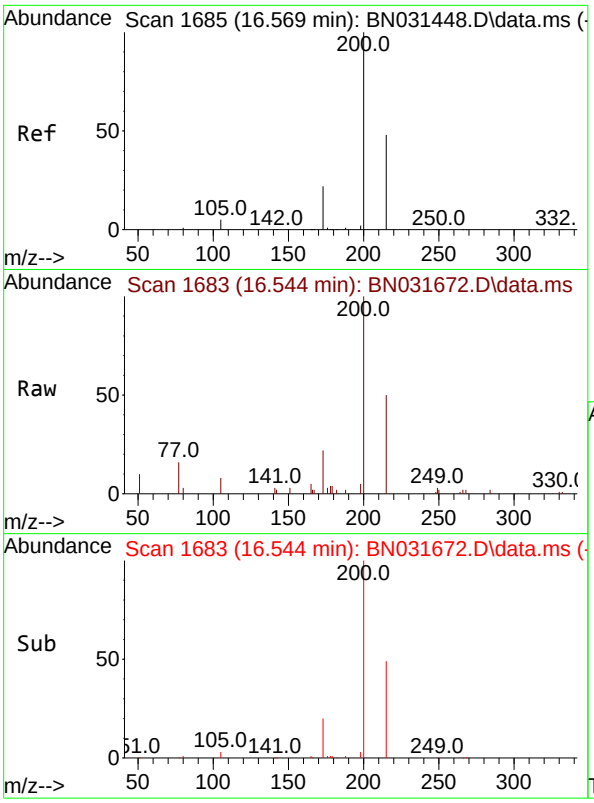


#22
Hexachlorobenzene
Concen: 0.367 ng
RT: 16.371 min Scan# 1669
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:284 Resp: 10153

Ion	Ratio	Lower	Upper
284	100		
142	41.7	31.0	46.6
249	31.9	25.5	38.3



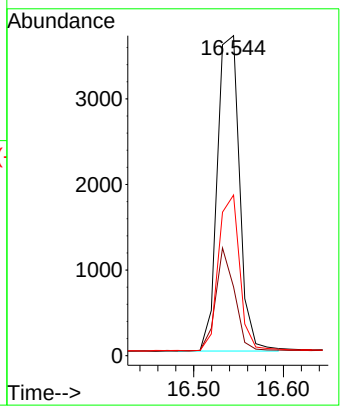


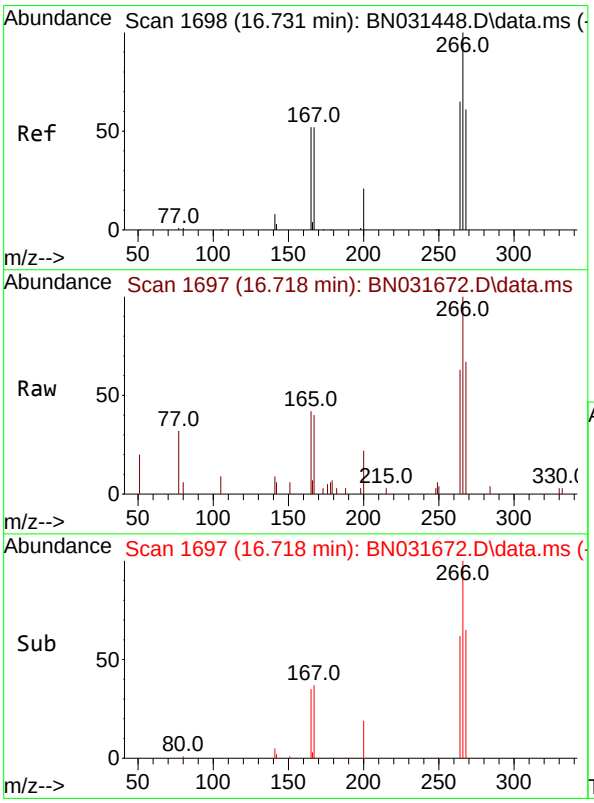
#23
Atrazine
Concen: 0.255 ng
RT: 16.544 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:200 Resp: 6350

Ion	Ratio	Lower	Upper
200	100		
173	21.5	19.6	29.4
215	50.2	39.8	59.8

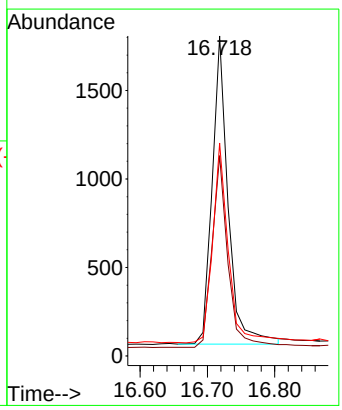


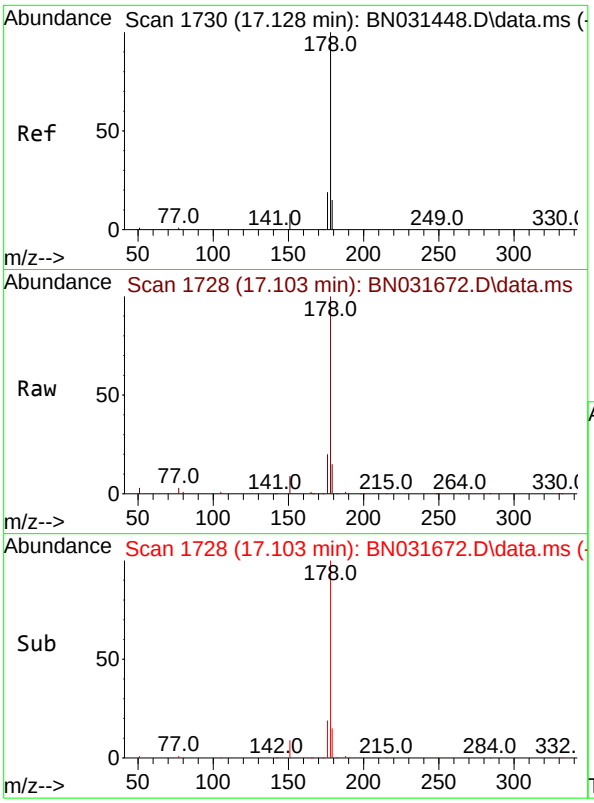


#24
Pentachlorophenol
Concen: 0.293 ng
RT: 16.718 min Scan# 1697
Delta R.T. -0.013 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:266 Resp: 2864

Ion	Ratio	Lower	Upper
266	100		
264	61.8	50.6	75.8
268	63.9	49.0	73.4



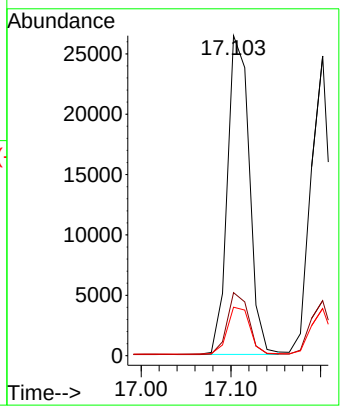


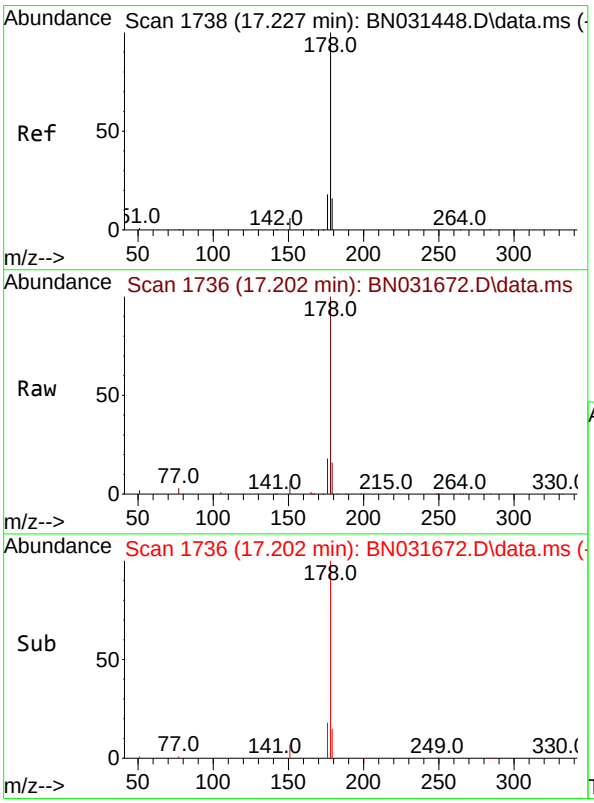
#25
Phenanthrene
Concen: 0.341 ng
RT: 17.103 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:178 Resp: 44703

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.3	18.5

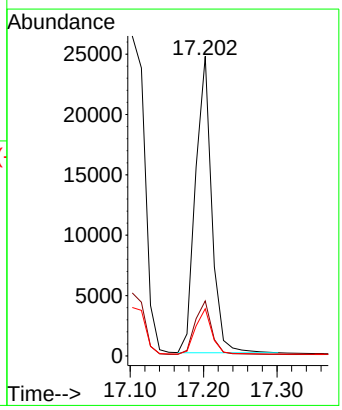


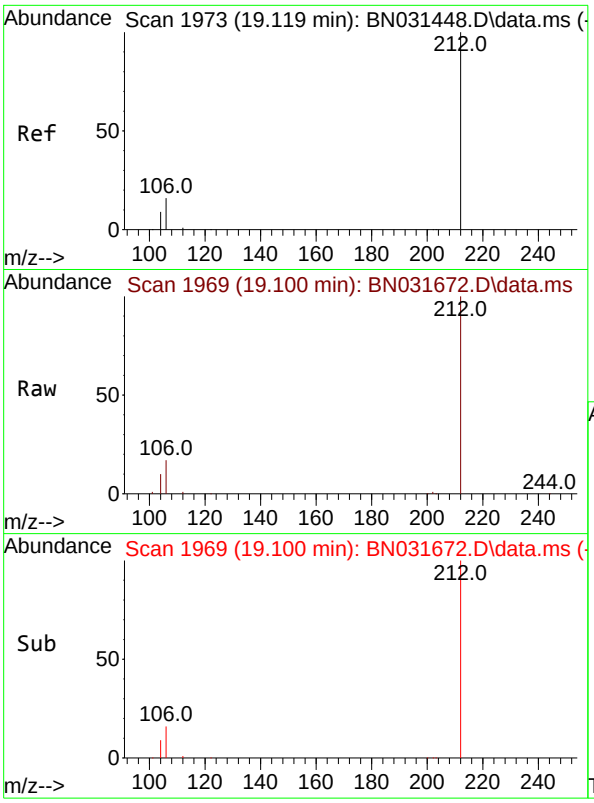


#26
Anthracene
Concen: 0.290 ng
RT: 17.202 min Scan# 1736
Delta R.T. -0.025 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:178 Resp: 37581

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.4	12.4	18.6





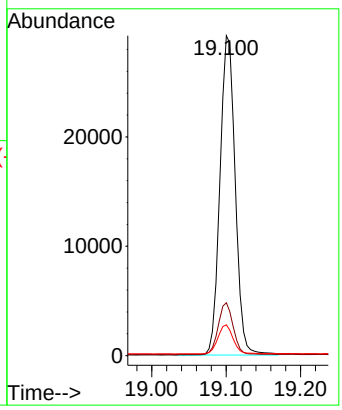
#27
Fluoranthene-d10
Concen: 0.320 ng
RT: 19.100 min Scan# 1

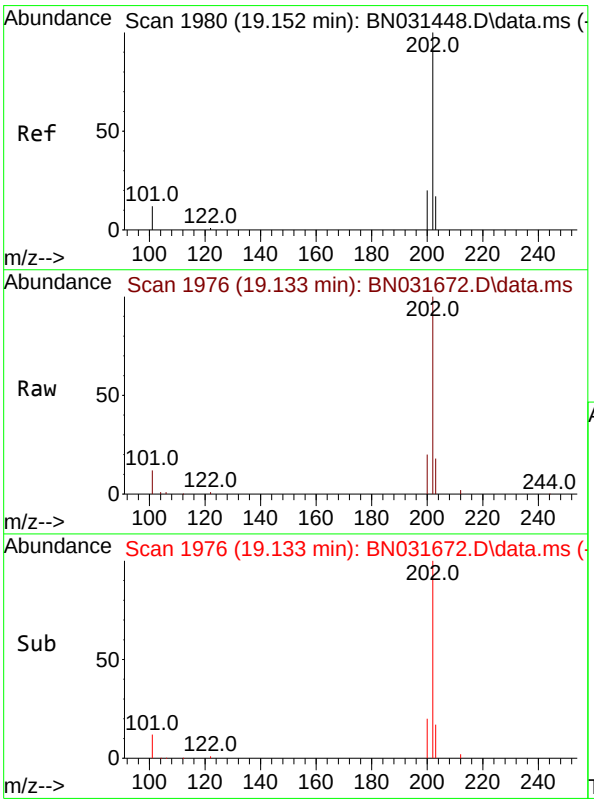
Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Delta R.T. -0.019 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:212 Resp: 41591

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.0	18.0
104	9.0	6.9	10.3

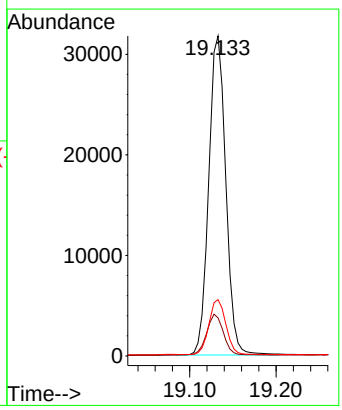


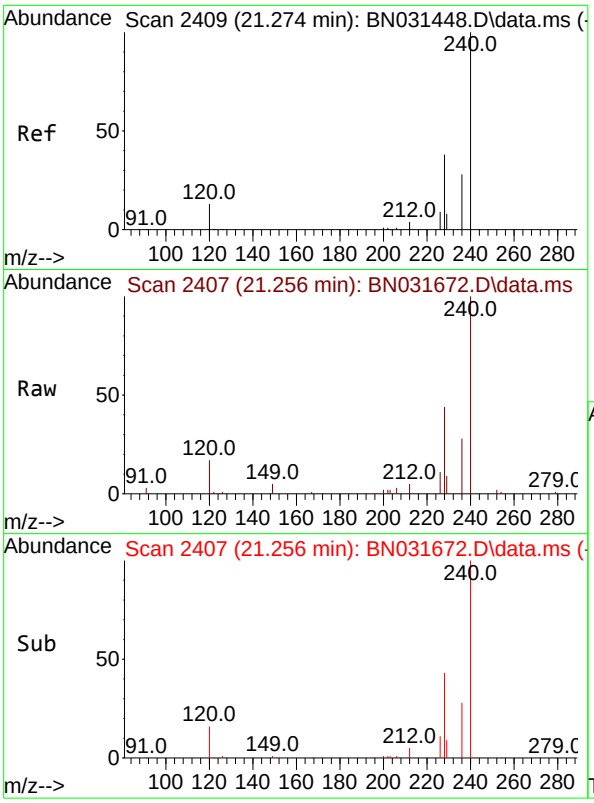


#28
Fluoranthene
Concen: 0.274 ng
RT: 19.133 min Scan# 1976
Delta R.T. -0.019 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:202 Resp: 43677

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.6
203	17.1	13.8	20.8



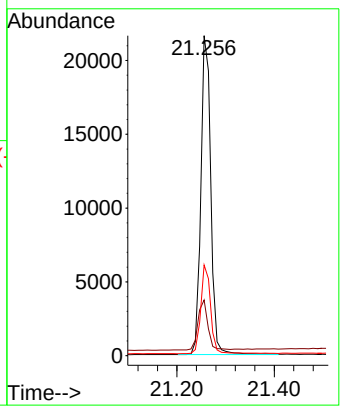


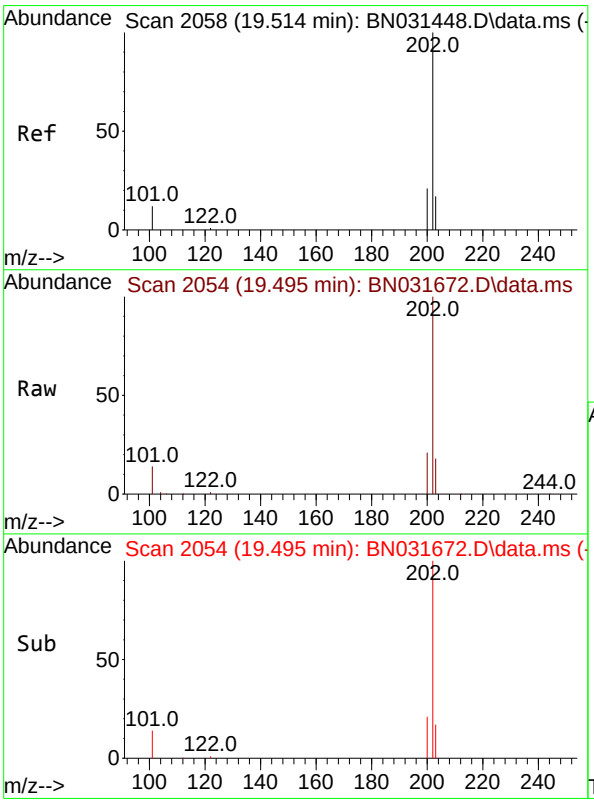
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.256 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:240 Resp: 30502

Ion	Ratio	Lower	Upper
240	100		
120	17.4	11.4	17.2#
236	28.3	22.2	33.4

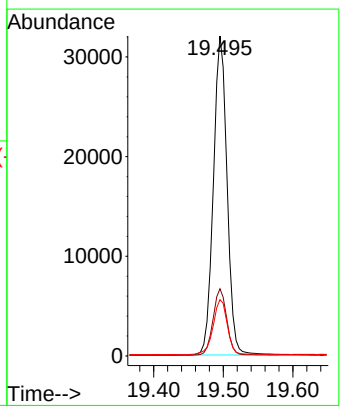


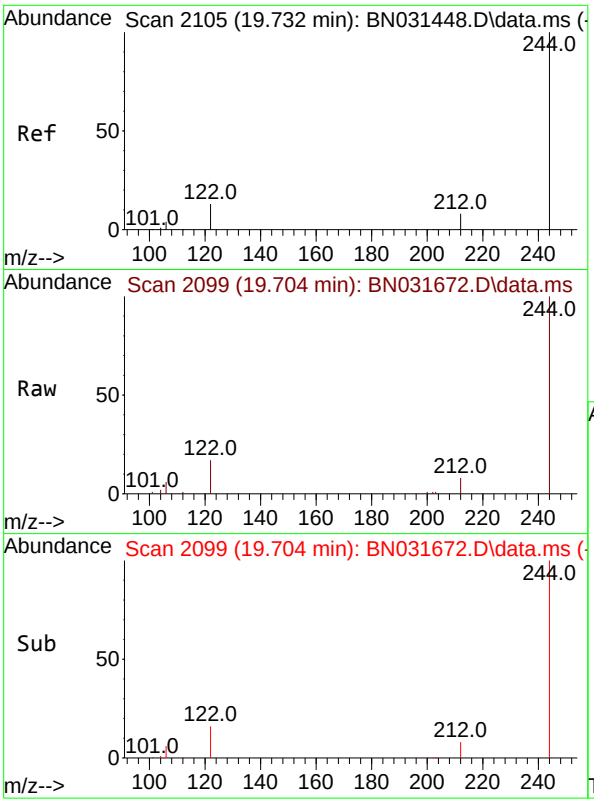


#30
Pyrene
Concen: 0.355 ng
RT: 19.495 min Scan# 2054
Delta R.T. -0.019 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:202 Resp: 43806

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.0	14.3	21.5



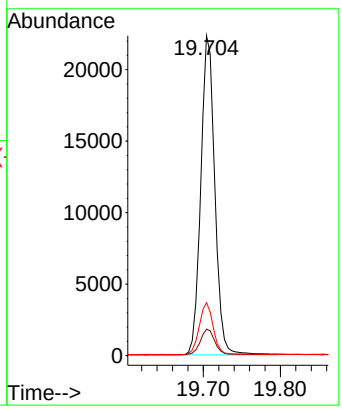


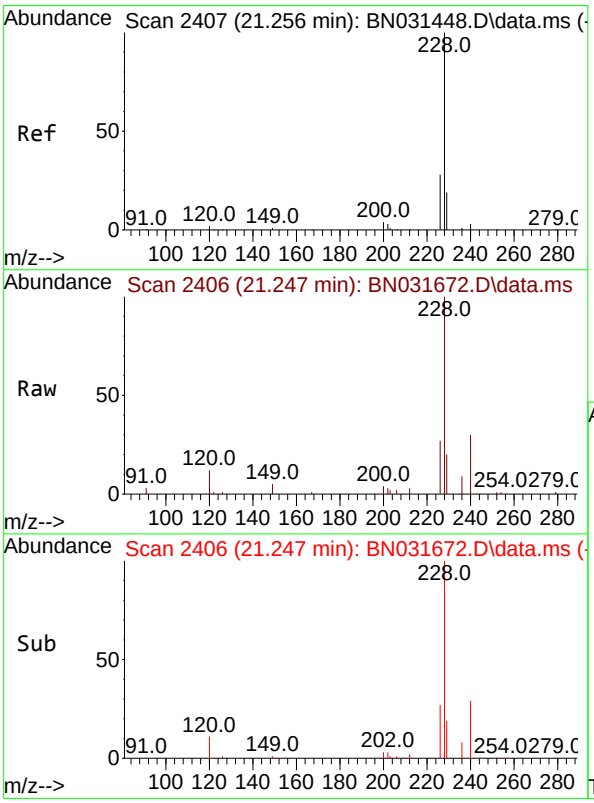
#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.704 min Scan# 2
Delta R.T. -0.028 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:244 Resp: 28327

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	16.6	11.4	17.2

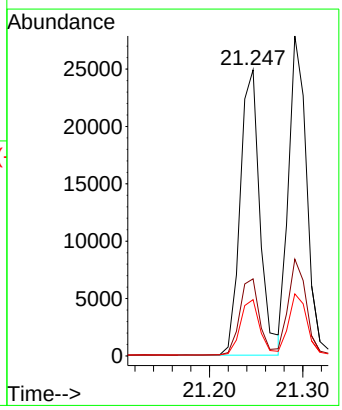


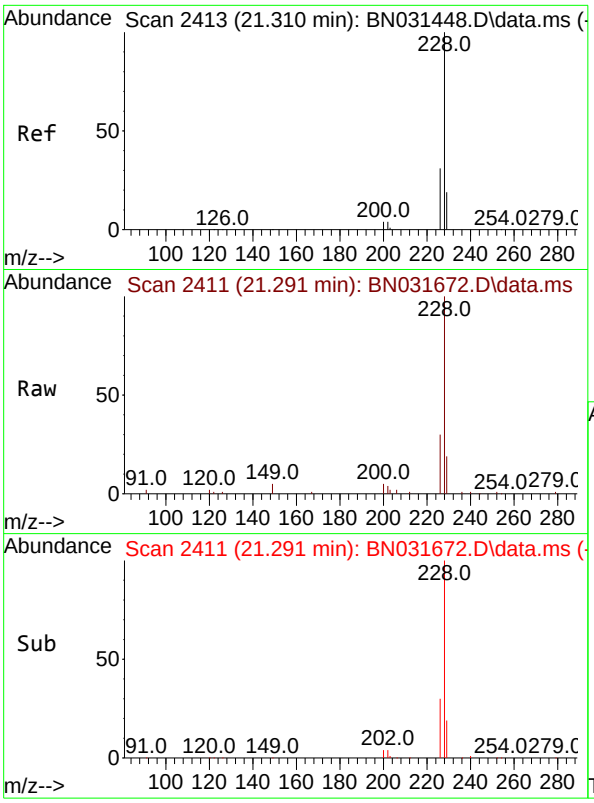


#32
Benzo(a)anthracene
Concen: 0.310 ng
RT: 21.247 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:228 Resp: 36522

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.4	33.6
229	19.7	15.5	23.3



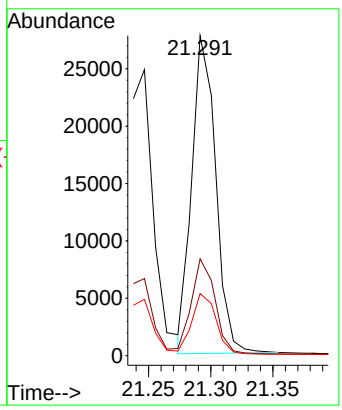


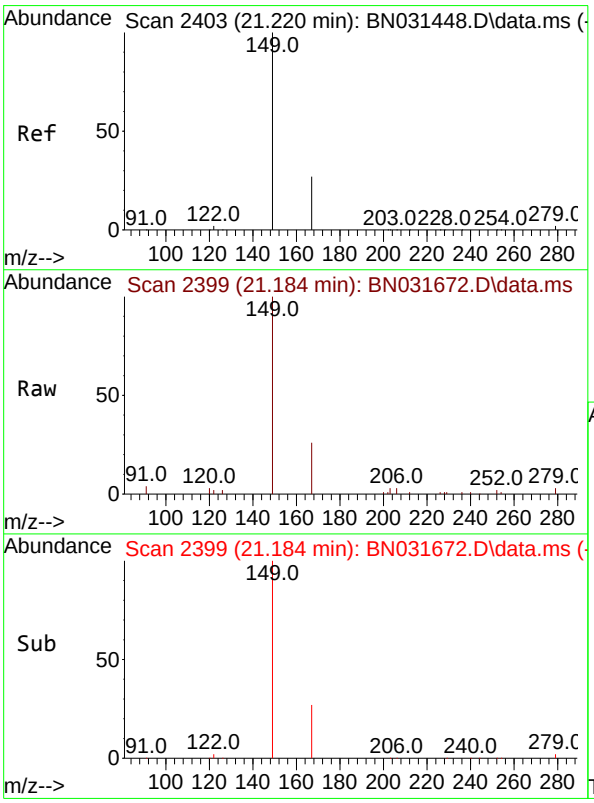
#33
Chrysene
Concen: 0.331 ng
RT: 21.291 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:228 Resp: 37070

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.4	15.8	23.8

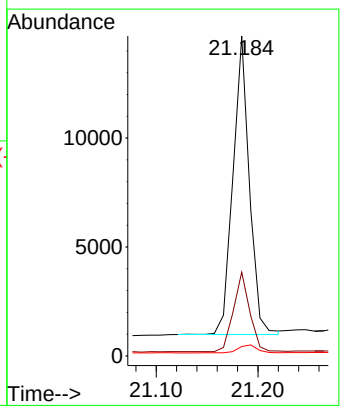


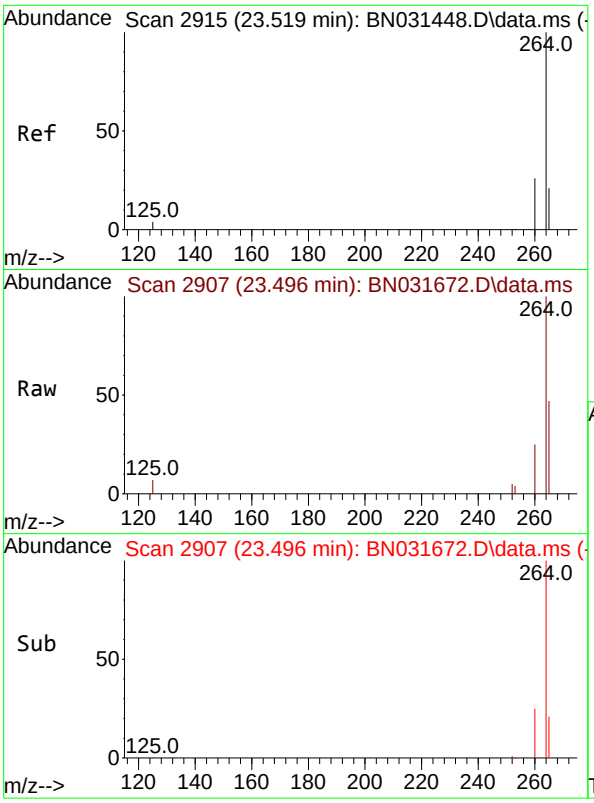


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.222 ng
RT: 21.184 min Scan# 2399
Delta R.T. -0.036 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:149 Resp: 15328

Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.1	33.1
279	3.1	2.7	4.1



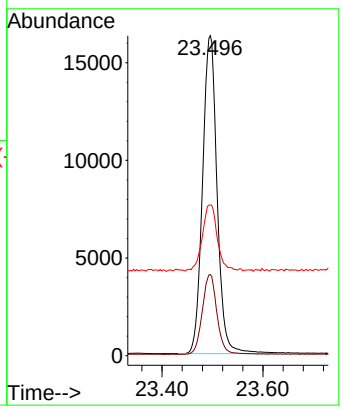


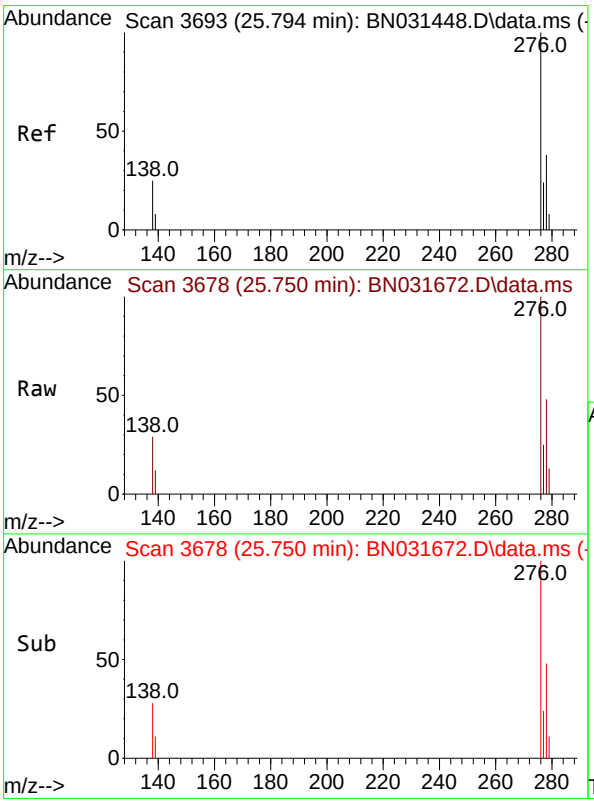
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.496 min Scan# 2
Delta R.T. -0.024 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:264 Resp: 32688

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	31.0
265	47.1	24.0	36.0#

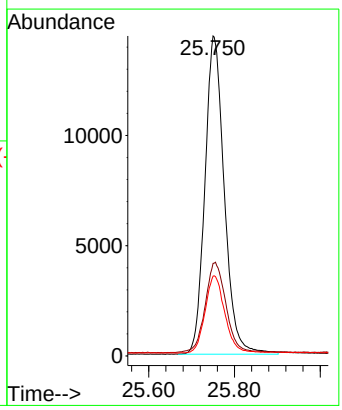


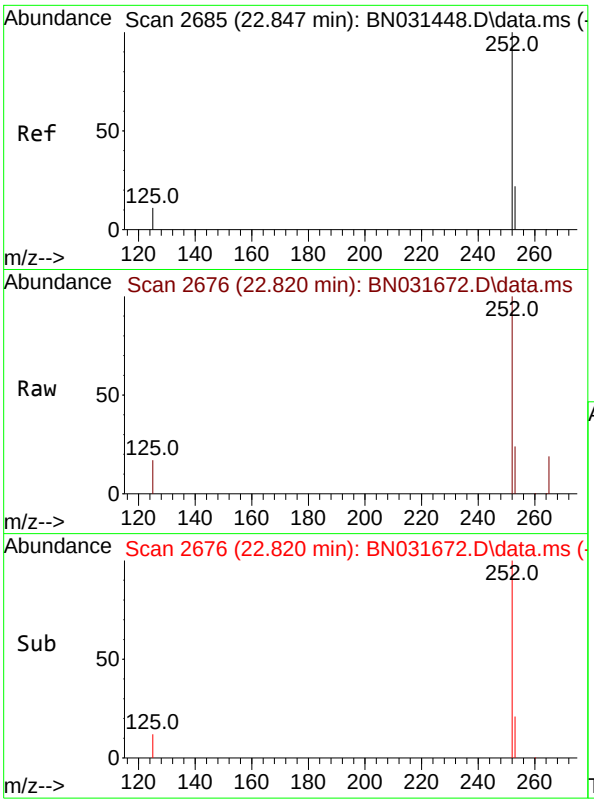


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.348 ng
RT: 25.750 min Scan# 3678
Delta R.T. -0.044 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:276 Resp: 45272

Ion	Ratio	Lower	Upper
276	100		
138	30.1	23.0	34.6
277	24.5	19.9	29.9



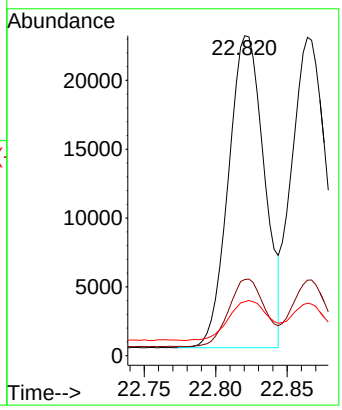


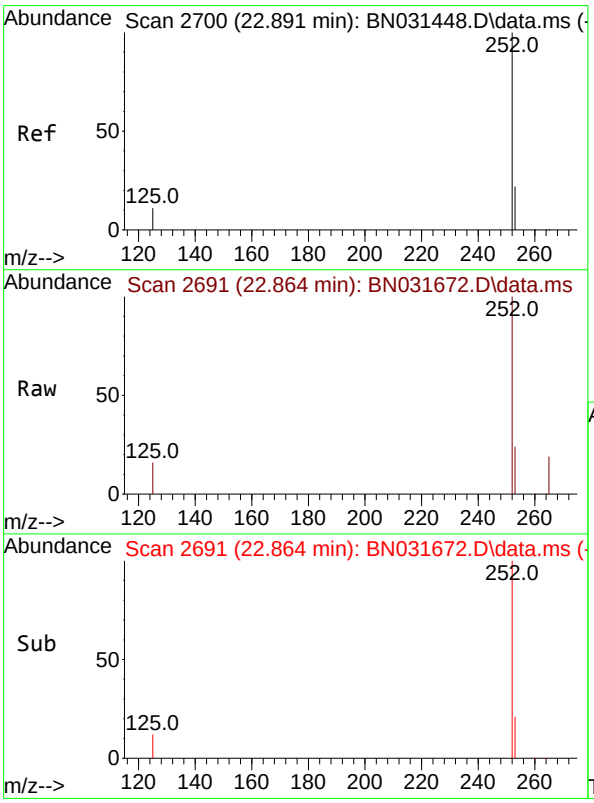
#37
Benzo(b)fluoranthene
Concen: 0.338 ng
RT: 22.820 min Scan# 2
Delta R.T. -0.027 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:252 Resp: 39609

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	16.8	10.5	15.7#

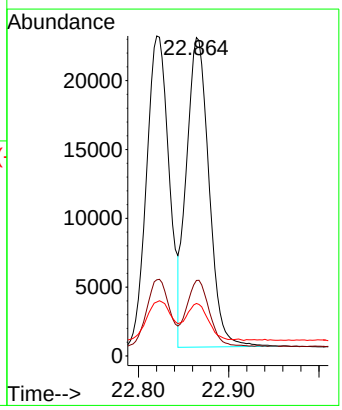


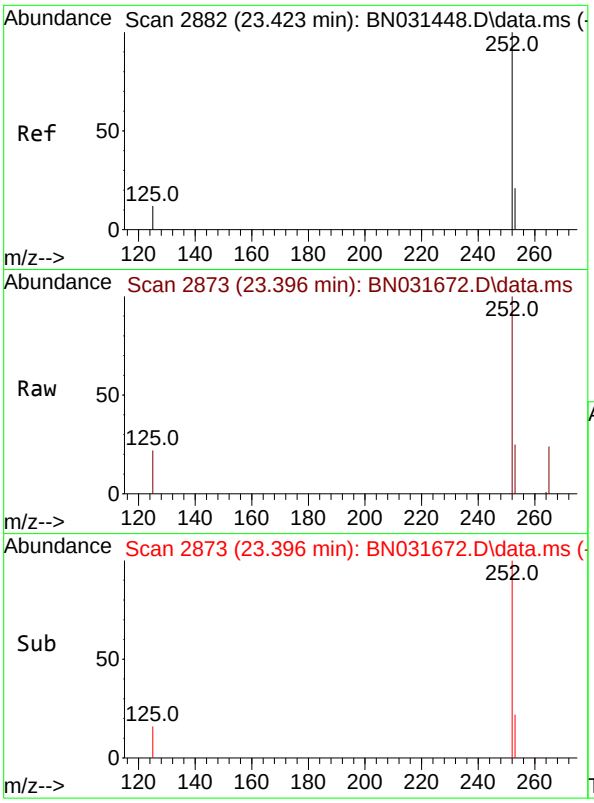


#38
Benzo(k)fluoranthene
Concen: 0.351 ng
RT: 22.864 min Scan# 2691
Delta R.T. -0.027 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:252 Resp: 38986

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	16.5	11.0	16.6



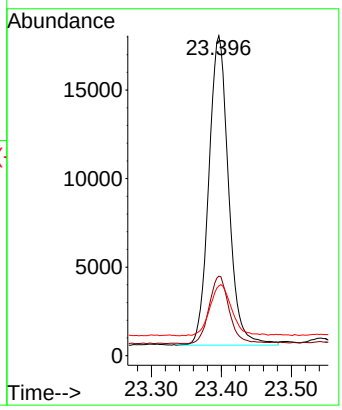


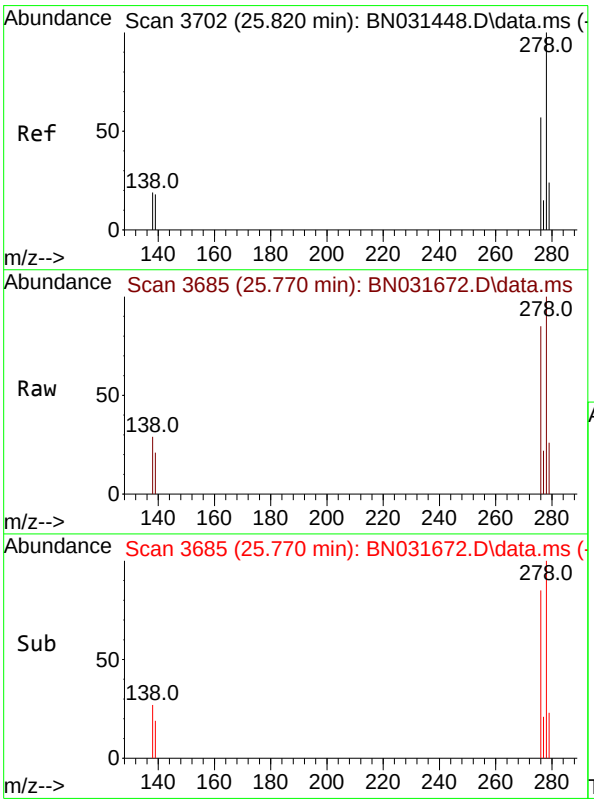
#39
Benzo(a)pyrene
Concen: 0.336 ng
RT: 23.396 min Scan# 2
Delta R.T. -0.027 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:252 Resp: 34257

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	21.8	11.9	17.9#

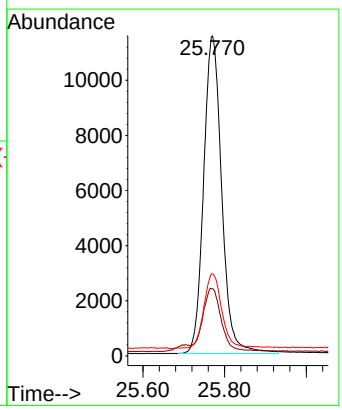


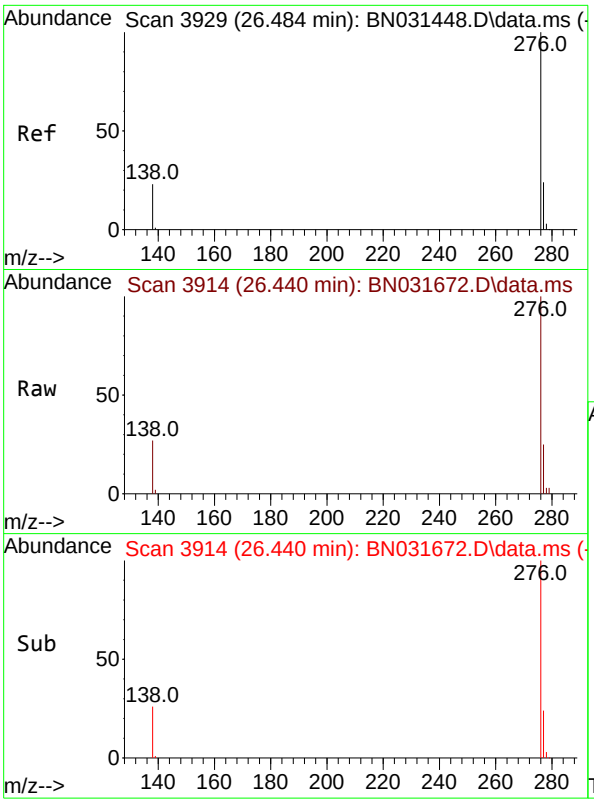


#40
Dibenzo(a,h)anthracene
Concen: 0.344 ng
RT: 25.770 min Scan# 3685
Delta R.T. -0.050 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Tgt Ion:278 Resp: 35480

Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.9	23.9
279	25.6	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 0.346 ng
RT: 26.440 min Scan# 3
Delta R.T. -0.044 min
Lab File: BN031672.D
Acq: 28 May 2024 12:53

Instrument :
BNA_N
ClientSampleId :
PB161112BSD

Tgt Ion:276 Resp: 38451

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.0
138	26.8	20.4	30.6